

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058748.D
 Acq On : 14 Oct 2019 14:42
 Operator : JC/SP
 Sample : K5111-07 0.75PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Quant Time: Oct 15 03:09:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	378738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	631822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568679	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238229	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	285360	53.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.64%	
35) Dibromofluoromethane	7.57	113	203253	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
50) Toluene-d8	10.08	98	752682	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.41	95	255263	43.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	3734	0.792	ug/l	84
3) Chloromethane	2.04	50	5642	1.006	ug/l	96
4) Vinyl Chloride	2.17	62	5065	0.907	ug/l	100
5) Bromomethane	2.55	94	3680	1.083	ug/l	81
6) Chloroethane	2.68	64	3345	0.971	ug/l	96
7) Trichlorofluoromethane	3.00	101	6004	0.898	ug/l	90
8) Diethyl Ether	3.39	74	2018	0.817	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3095	0.812	ug/l #	69
10) Methyl Iodide	3.92	142	1792	0.344	ug/l #	85
11) Tert butyl alcohol	4.75	59	1255	1.461	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	3180	0.874	ug/l	97
13) Acrolein	3.59	56	2770	4.011	ug/l	95
14) Allyl chloride	4.30	41	6410	0.873	ug/l #	86
15) Acrylonitrile	4.97	53	7209	3.329	ug/l	84
16) Acetone	3.81	43	10064	4.585	ug/l	98
17) Carbon Disulfide	4.03	76	10062	0.865	ug/l #	91
18) Methyl Acetate	4.30	43	3248	0.583	ug/l	92
19) Methyl tert-butyl Ether	5.01	73	4895	0.377	ug/l #	90
20) Methylene Chloride	4.53	84	4667	1.017	ug/l #	84
21) trans-1,2-Dichloroethene	5.01	96	2577	0.633	ug/l #	77
22) Diisopropyl ether	5.93	45	11405	0.799	ug/l #	82
23) Vinyl Acetate	5.88	43	41532	3.606	ug/l	99
24) 1,1-Dichloroethane	5.83	63	6793	0.836	ug/l #	85
25) 2-Butanone	6.82	43	12369	3.898	ug/l	96
26) 2,2-Dichloropropane	6.80	77	7275	0.980	ug/l #	68
27) cis-1,2-Dichloroethene	6.81	96	3939	0.830	ug/l	97
28) Bromochloromethane	7.18	49	2464	0.871	ug/l #	92
29) Tetrahydrofuran	7.20	42	7551	3.683	ug/l #	84
30) Chloroform	7.36	83	7510	0.920	ug/l	95
31) Cyclohexane	7.65	56	14595	1.877	ug/l #	45
32) 1,1,1-Trichloroethane	7.55	97	5955	0.855	ug/l #	53
36) 1,1-Dichloropropene	7.77	75	2495	0.391	ug/l #	50
37) Ethyl Acetate	6.91	43	2221	0.344	ug/l	95
38) Carbon Tetrachloride	7.75	117	5167	0.830	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5193	0.701	ug/l	90
40) Benzene	8.02	78	14665	0.799	ug/l	98
41) Methacrylonitrile	7.15	41	1399	0.463	ug/l #	40
42) 1,2-Dichloroethane	8.11	62	6182	0.877	ug/l	89
43) Isopropyl Acetate	8.16	43	8164	0.742	ug/l #	84
44) Trichloroethene	8.82	130	3918	0.860	ug/l	95
45) 1,2-Dichloropropane	9.11	63	4097	0.834	ug/l #	78
46) Dibromomethane	9.20	93	2472	0.794	ug/l	98
47) Bromodichloromethane	9.39	83	5354	0.844	ug/l	93
48) Methyl methacrylate	9.19	41	3783	0.758	ug/l	96
49) 1,4-Dioxane	9.19	88	508	6.582	ug/l #	58
51) 4-Methyl-2-Pentanone	9.98	43	22196	3.591	ug/l	100
52) Toluene	10.15	92	8530	0.760	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	5265	0.724	ug/l #	39
54) cis-1,3-Dichloropropene	9.83	75	5626	0.729	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4174	0.909	ug/l	93
56) Ethyl methacrylate	10.43	69	4639	0.691	ug/l	98
57) 1,3-Dichloropropane	10.71	76	6072	0.776	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	9932	3.072	ug/l	98
59) 2-Hexanone	10.75	43	17907	3.749	ug/l	90
60) Dibromochloromethane	10.90	129	3540	0.747	ug/l	99
61) 1,2-Dibromoethane	11.00	107	3797	0.825	ug/l	90
64) Tetrachloroethene	10.63	164	3556	0.894	ug/l	89
65) Chlorobenzene	11.44	112	9281	0.804	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	3323	0.778	ug/l #	48
67) Ethyl Benzene	11.51	91	15416	0.749	ug/l	96
68) m/p-Xylenes	11.62	106	10283	1.331	ug/l	93
69) o-Xylene	11.95	106	5034	0.673	ug/l	96
70) Styrene	11.97	104	7175	0.586	ug/l	89
71) Bromoform	12.13	173	2137	0.683	ug/l #	98
73) Isopropylbenzene	12.25	105	13231	0.767	ug/l	99
74) N-amyl acetate	12.07	43	5603	0.723	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	5272	0.928	ug/l	94
76) 1,2,3-Trichloropropane	12.56	75	7893	1.510	ug/l #	100
77) Bromobenzene	12.53	156	3713	0.885	ug/l	99
78) n-propylbenzene	12.59	91	16294	0.810	ug/l	98
79) 2-Chlorotoluene	12.68	91	9843	0.789	ug/l	98
80) 1,3,5-Trimethylbenzene	12.74	105	11950	0.811	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	139206	71.350	ug/l #	11
82) 4-Chlorotoluene	12.78	91	9810	0.766	ug/l	94
83) tert-Butylbenzene	13.00	119	9580	0.759	ug/l	96
84) 1,2,4-Trimethylbenzene	13.05	105	10933	0.748	ug/l	99
85) sec-Butylbenzene	13.18	105	12490	0.751	ug/l	98
86) p-Isopropyltoluene	13.29	119	10239	0.678	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	5787	0.748	ug/l	96
88) 1,4-Dichlorobenzene	13.29	146	5787	0.735	ug/l	96
89) n-Butylbenzene	13.62	91	9171	0.656	ug/l	97
90) Hexachloroethane	13.88	117	2205	0.815	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	6208	0.823	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1211	0.912	ug/l	77

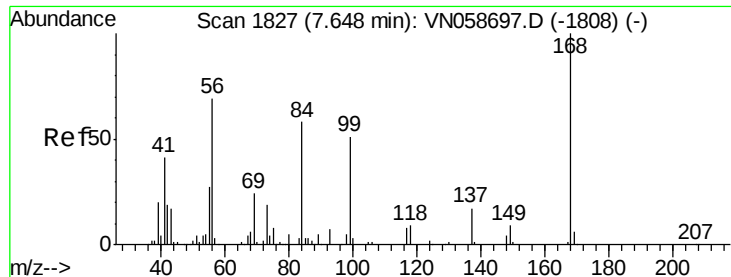
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	2929	0.637	ug/l	95
94) Hexachlorobutadiene	15.01	225	1808	0.746	ug/l	92
95) Naphthalene	15.14	128	7933	0.600	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	3024	0.673	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

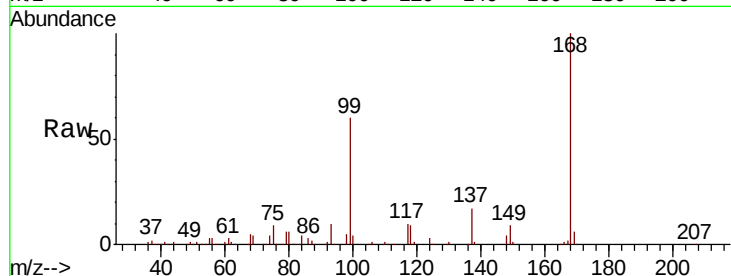
LOD-MDL-WATER-01-QT4-2019

Tot Ion:168 Resp: 378738

Ion Ratio Lower Upper

168 100

99 60.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VN058697.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1808) (-)

7.65

150000

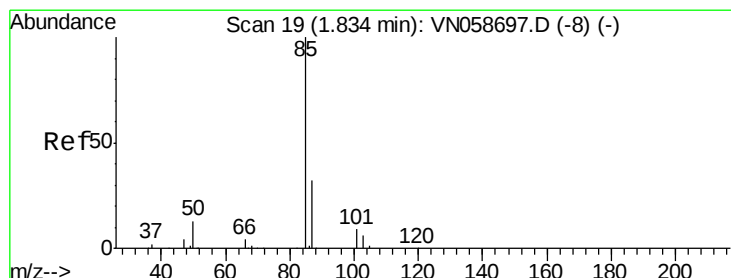
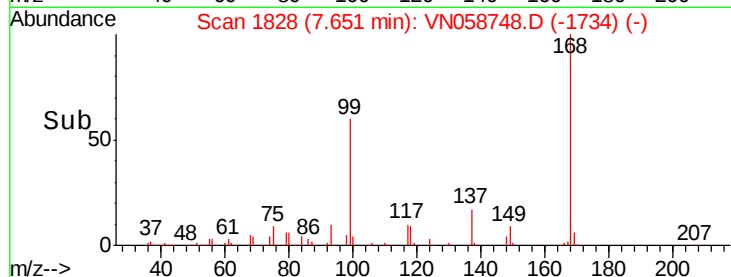
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.792 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058748.D

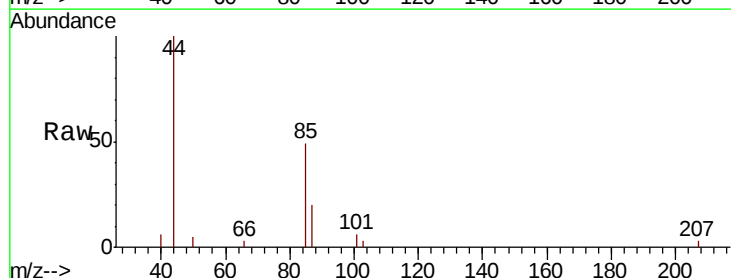
Acq: 14 Oct 2019 14:42

Tgt Ion: 85 Resp: 3734

Ion Ratio Lower Upper

85 100

87 41.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN058697.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN058697.D (-8) (-)

1.84

3000

2500

2000

1500

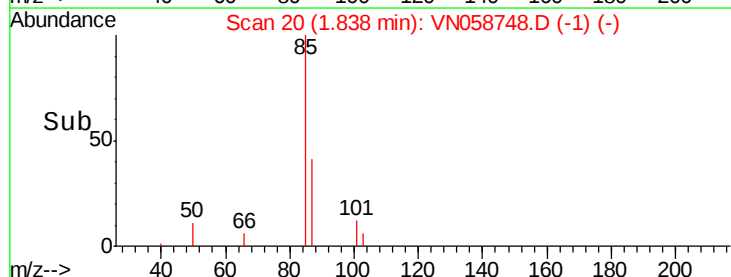
1000

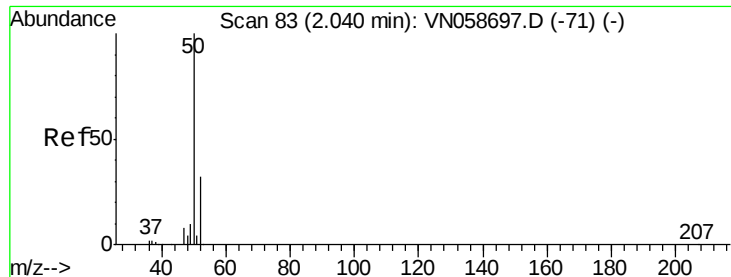
500

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 1.006 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

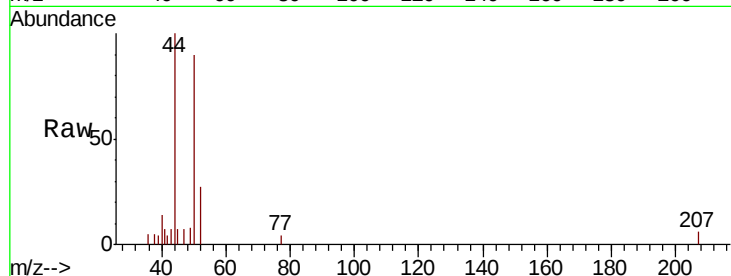
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 5642

Ion Ratio Lower Upper

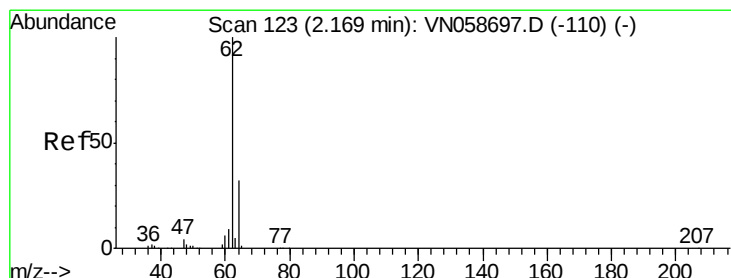
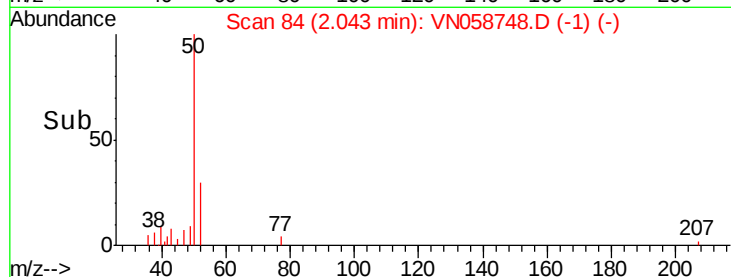
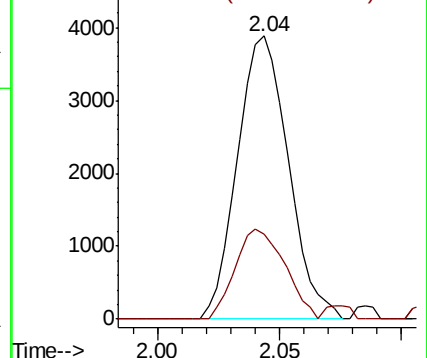
50 100

52 29.8 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.907 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058748.D

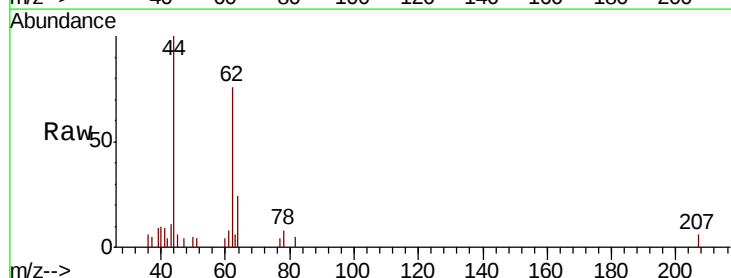
Acq: 14 Oct 2019 14:42

Tgt Ion: 62 Resp: 5065

Ion Ratio Lower Upper

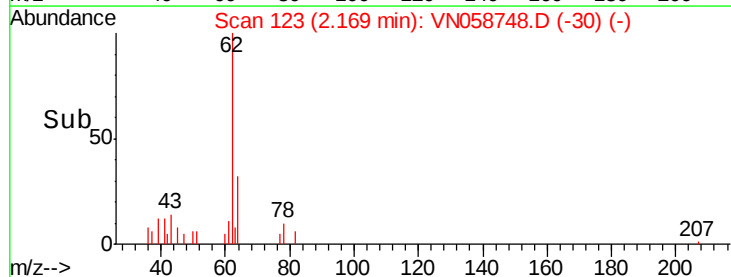
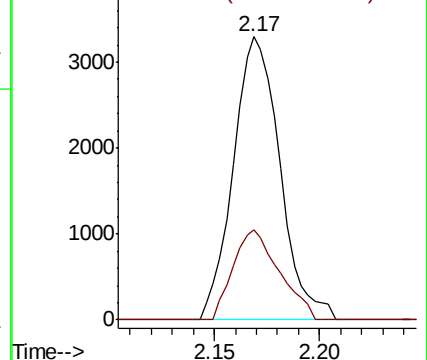
62 100

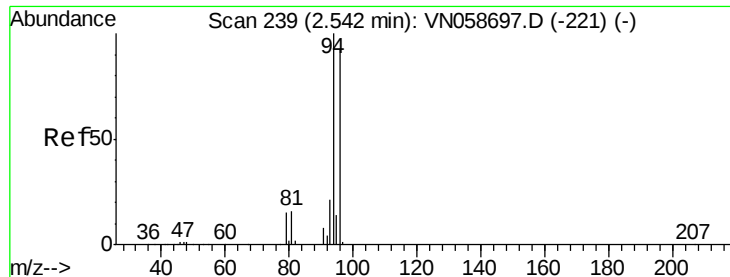
64 31.6 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.083 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

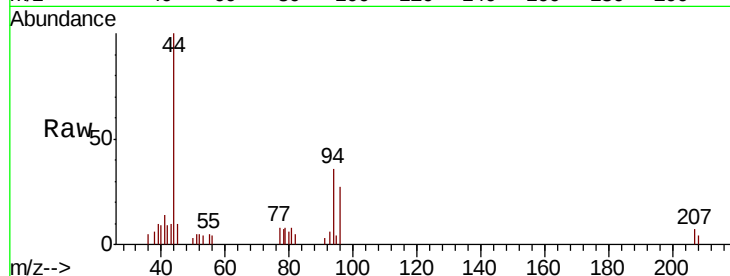
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 3680

Ion Ratio Lower Upper

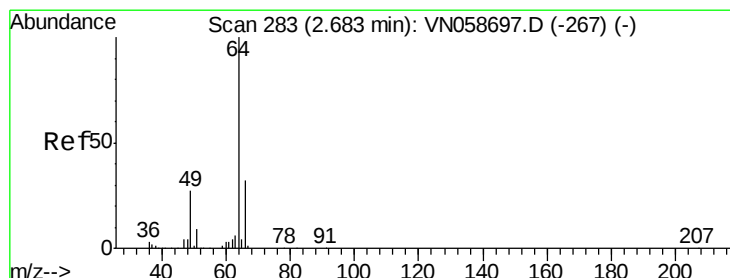
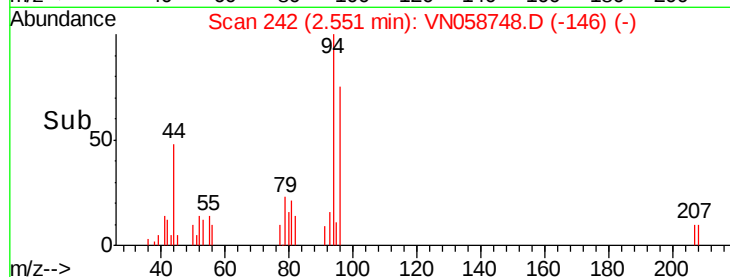
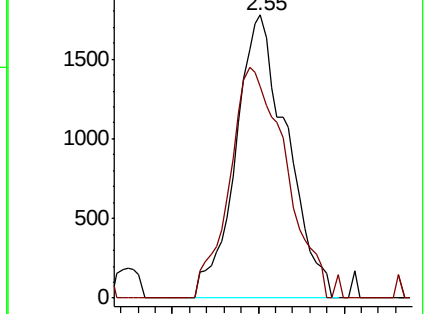
94 100

96 74.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.971 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058748.D

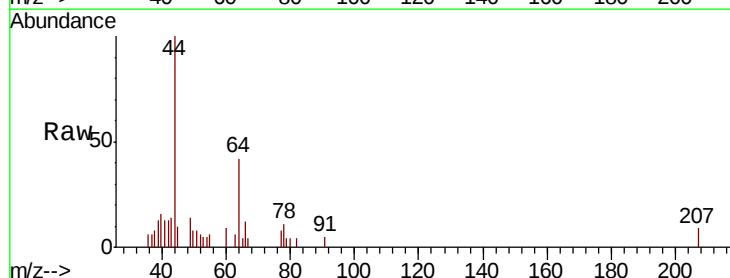
Acq: 14 Oct 2019 14:42

Tgt Ion: 64 Resp: 3345

Ion Ratio Lower Upper

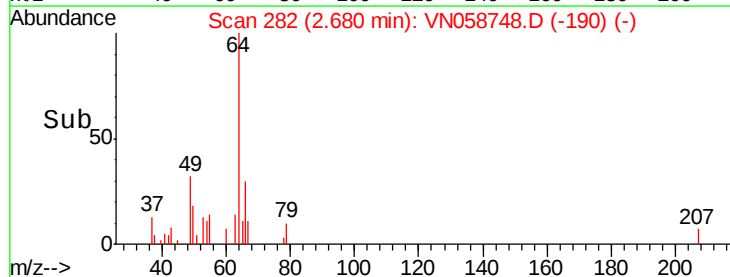
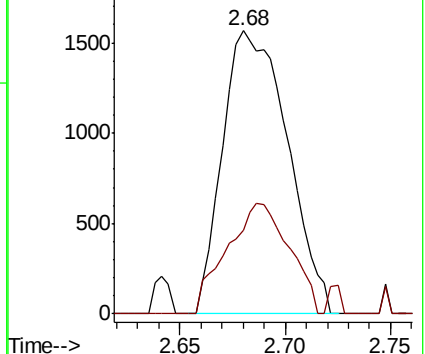
64 100

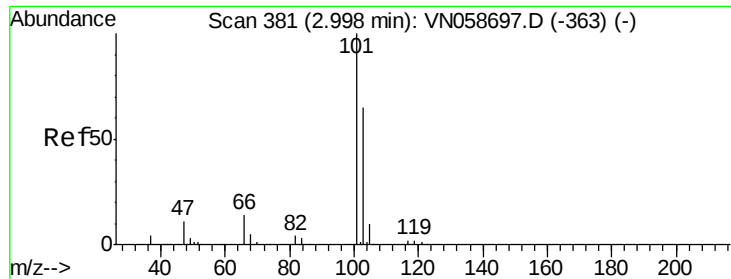
66 29.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



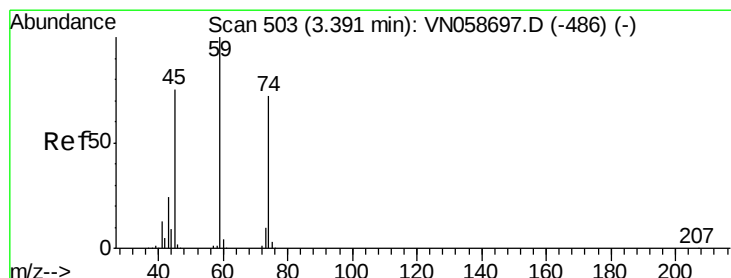
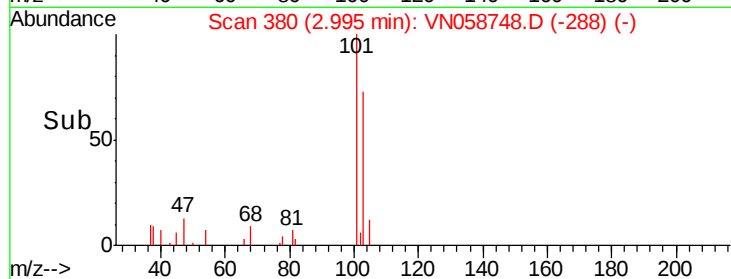
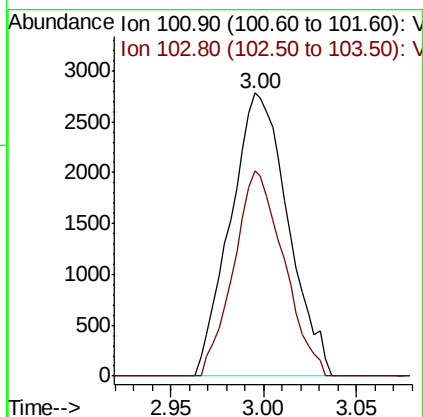
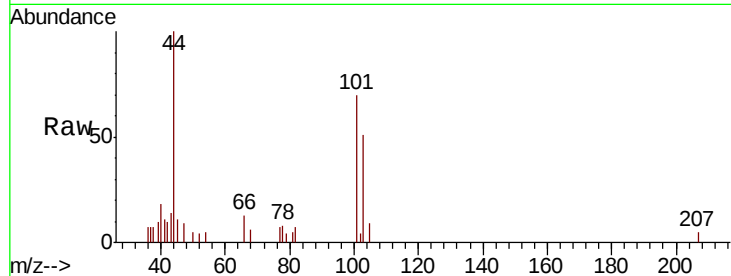


#7

Trichlorofluoromethane
 Concen: 0.898 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Instrument :
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 LOD-MDL-WATER-01-QT4-2019

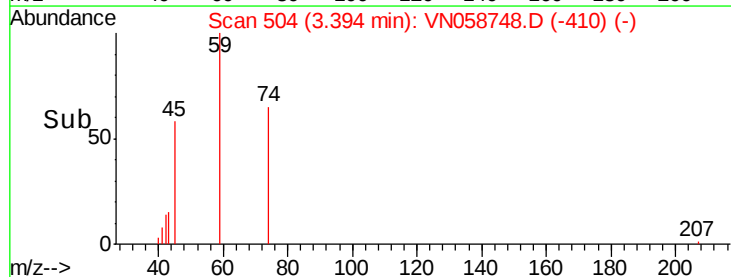
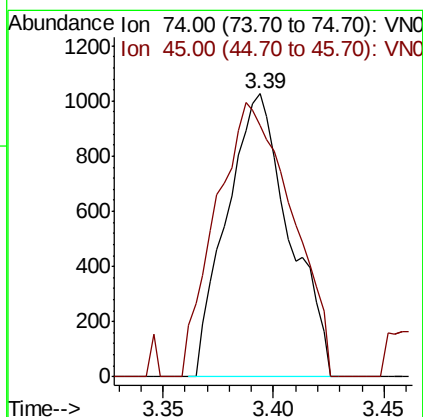
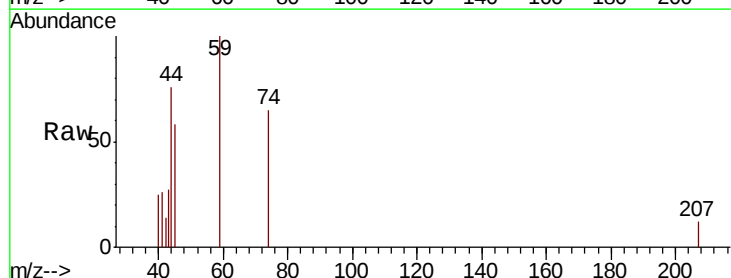
Tot Ion:101 Resp: 6004
 Ion Ratio Lower Upper
 101 100
 103 72.6 51.8 77.6

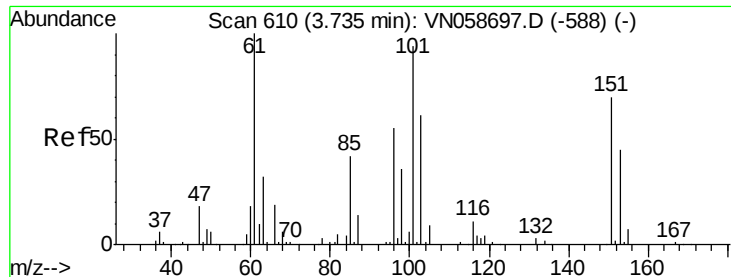


#8

Diethyl Ether
 Concen: 0.817 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 74 Resp: 2018
 Ion Ratio Lower Upper
 74 100
 45 117.6 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.812 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

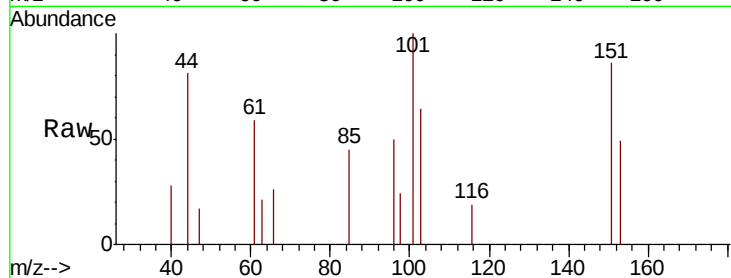
Tot Ion:101 Resp: 3095

Ion Ratio Lower Upper

101 100

85 37.5 37.0 55.6

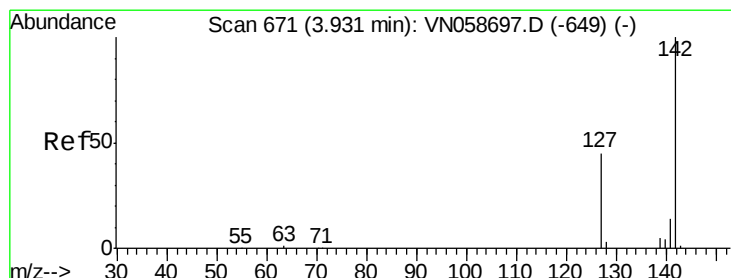
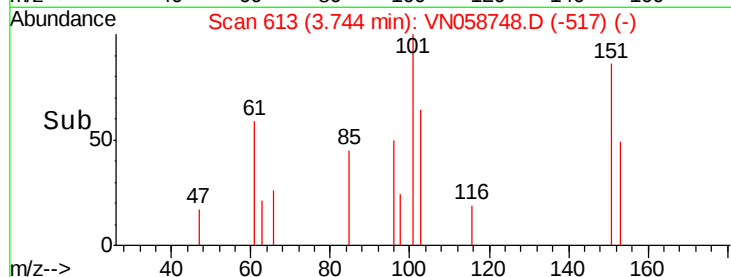
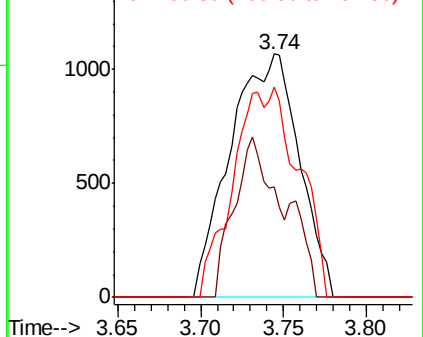
151 40.6 61.8 92.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.344 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

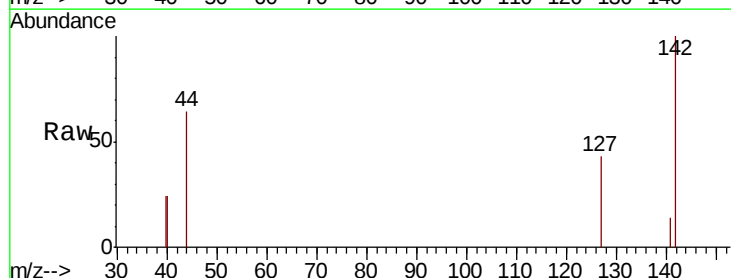
Tgt Ion:142 Resp: 1792

Ion Ratio Lower Upper

142 100

127 56.6 36.4 54.6#

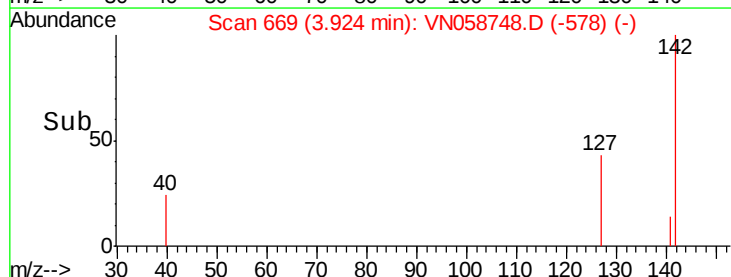
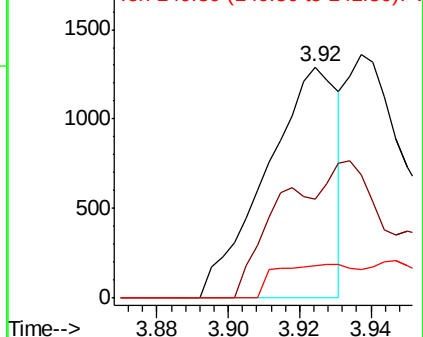
141 16.7 11.1 16.7#

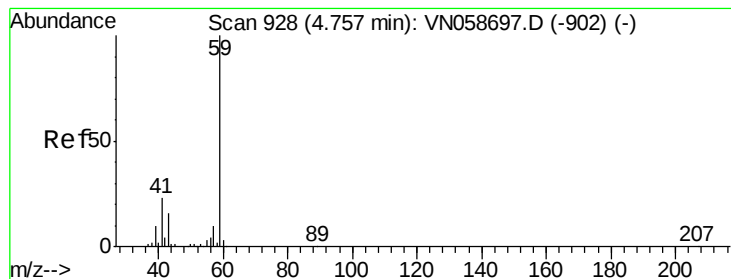


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



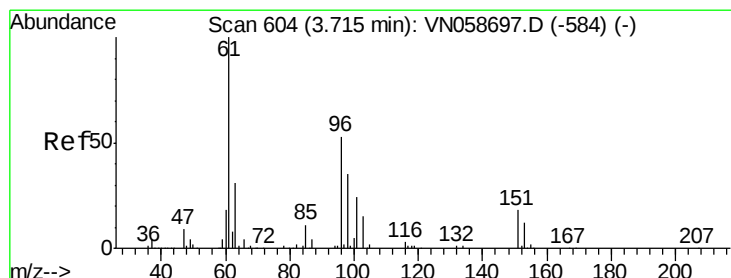
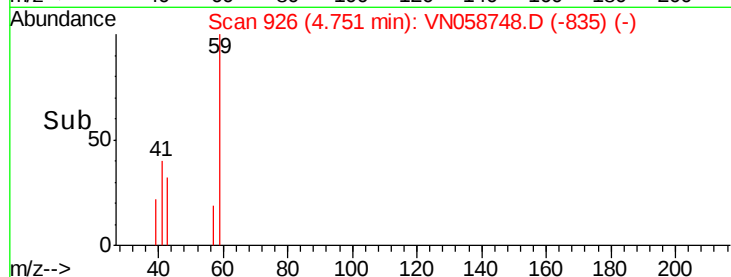
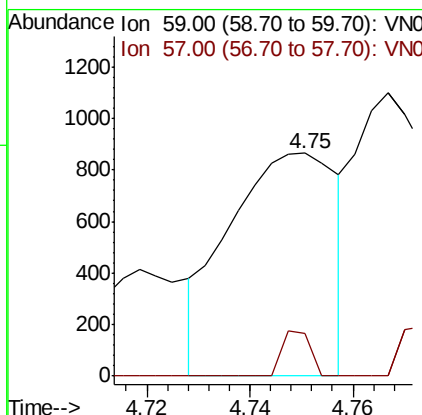
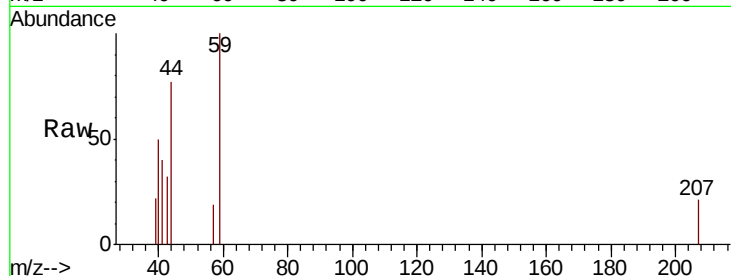


#11

Tert butyl alcohol
 Concen: 1.461 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

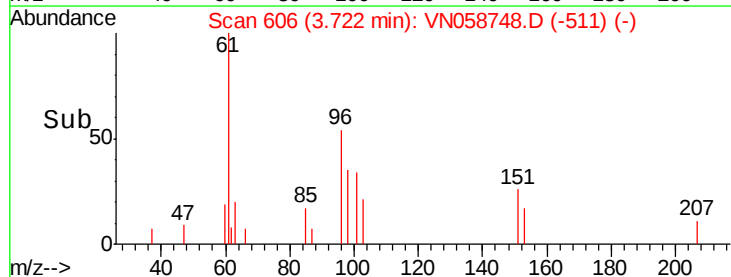
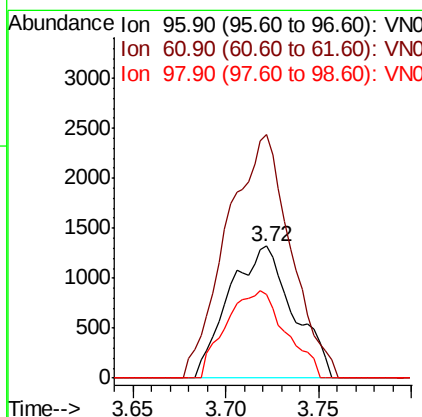
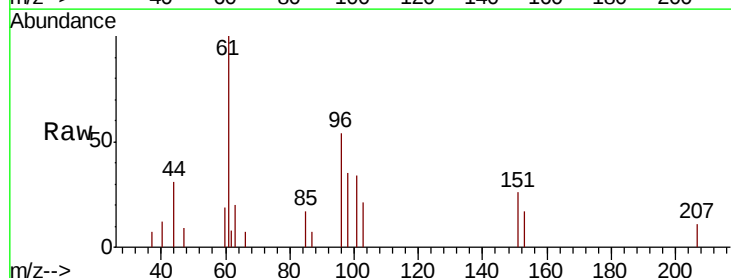
Tot Ion: 59 Resp: 1255
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.4 12.6#

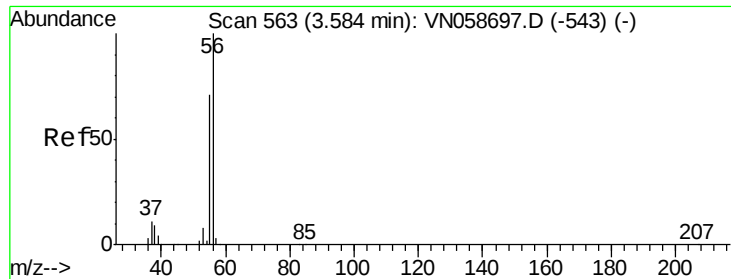


#12

1,1-Dichloroethene
 Concen: 0.874 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 96 Resp: 3180
 Ion Ratio Lower Upper
 96 100
 61 185.0 151.3 226.9
 98 63.9 52.6 78.8





#13

Acrolein

Concen: 4.011 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

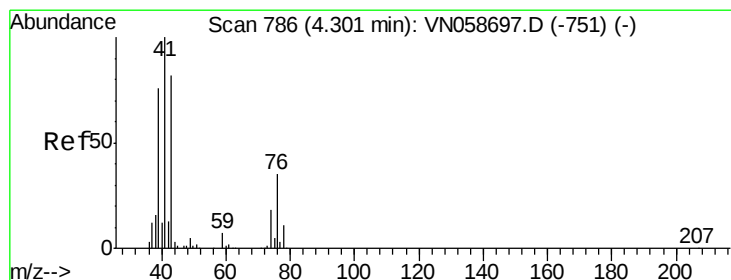
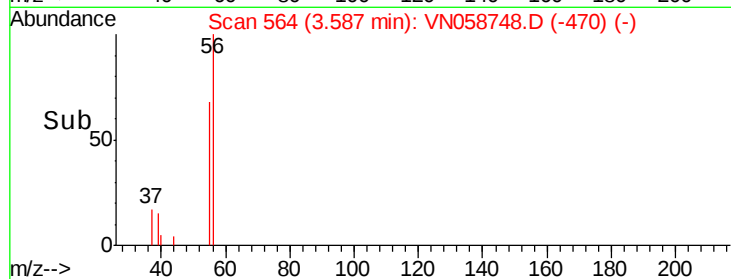
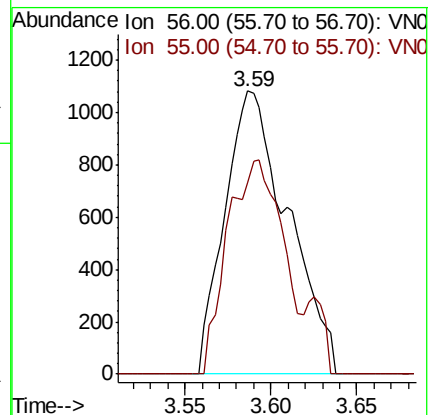
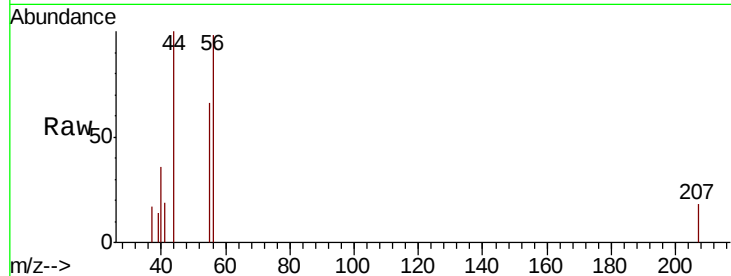
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 56 Resp: 2770

Ion Ratio Lower Upper

56 100

55 66.9 56.7 85.1



#14

Allyl chloride

Concen: 0.873 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

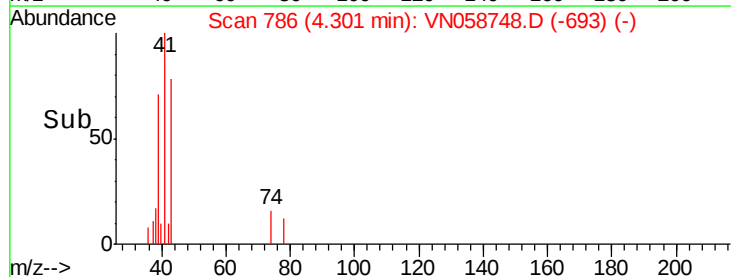
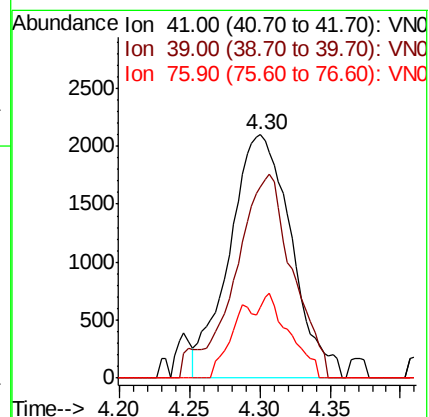
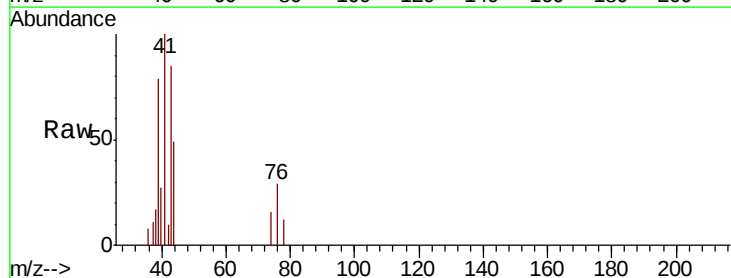
Tgt Ion: 41 Resp: 6410

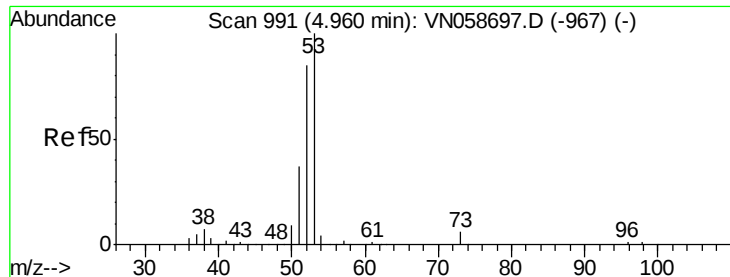
Ion Ratio Lower Upper

41 100

39 78.9 57.2 85.8

76 16.5 25.0 37.6#





#15

Acrylonitrile

Concen: 3.329 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

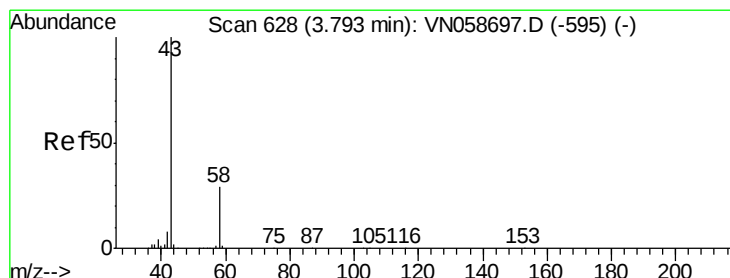
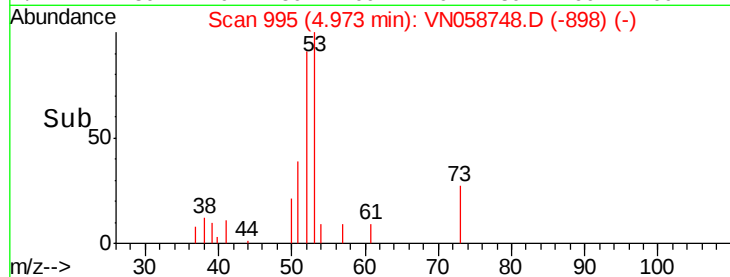
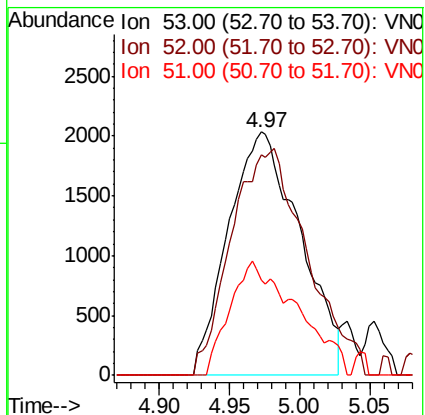
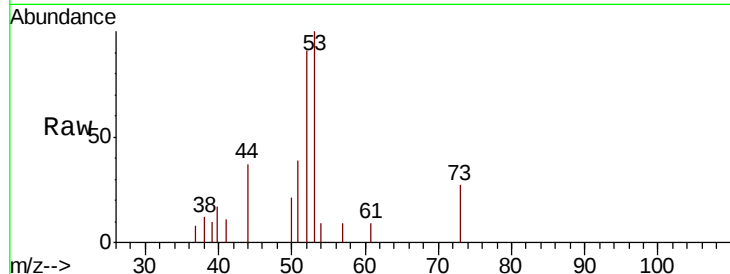
Tot Ion: 53 Resp: 7209

Ion Ratio Lower Upper

53 100

52 98.3 66.2 99.2

51 44.0 29.4 44.2



#16

Acetone

Concen: 4.585 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058748.D

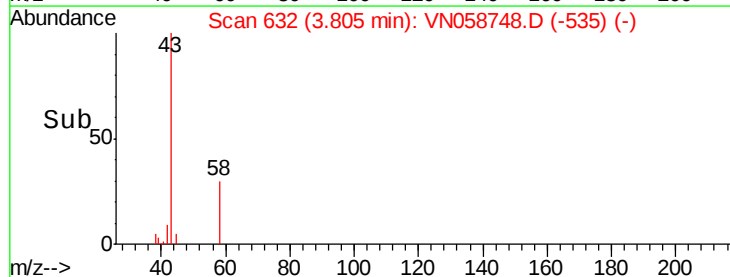
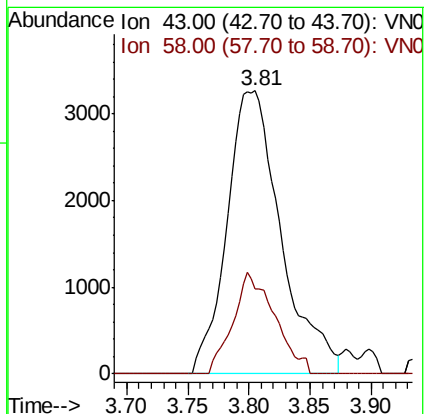
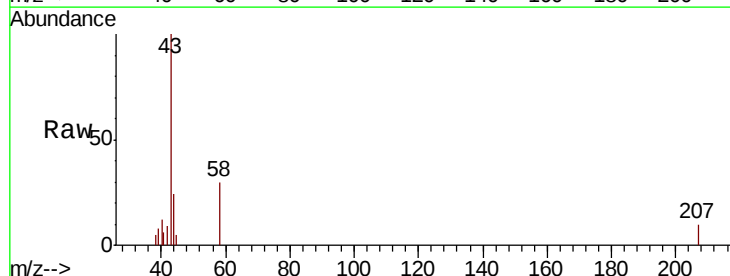
Acq: 14 Oct 2019 14:42

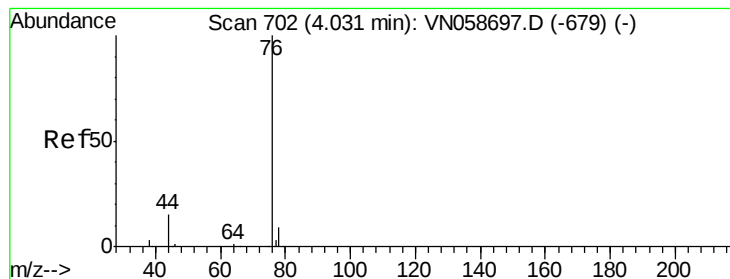
Tgt Ion: 43 Resp: 10064

Ion Ratio Lower Upper

43 100

58 30.1 23.3 34.9





#17

Carbon Disulfide

Concen: 0.865 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

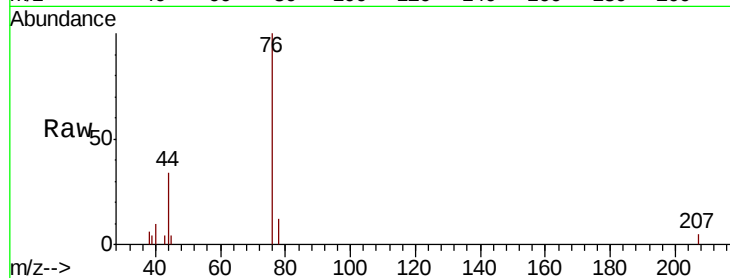
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 76 Resp: 10062

Ion Ratio Lower Upper

76 100

78 12.2 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

4000

3000

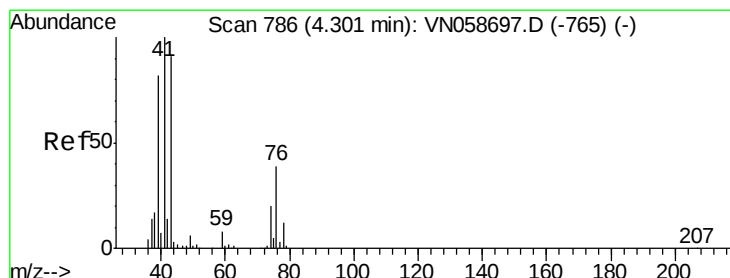
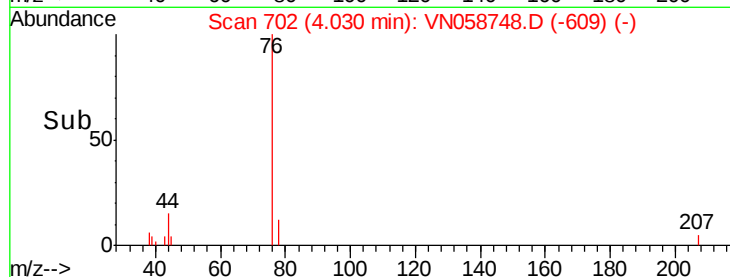
2000

1000

0

Time-->

3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 0.583 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058748.D

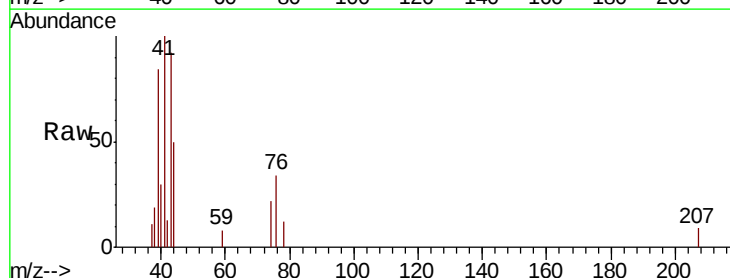
Acq: 14 Oct 2019 14:42

Tgt Ion: 43 Resp: 3248

Ion Ratio Lower Upper

43 100

74 17.9 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

2000

1500

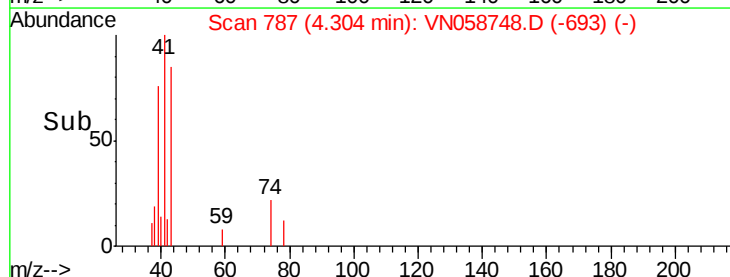
1000

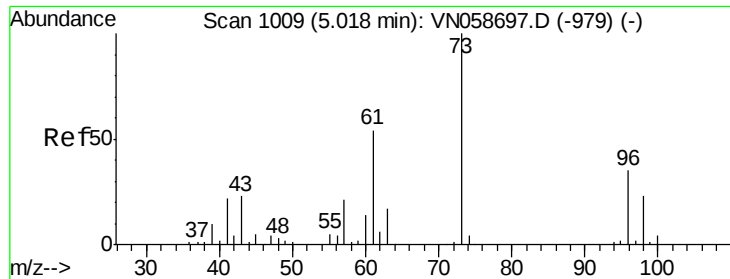
500

0

Time-->

4.26 4.28 4.30 4.32 4.34

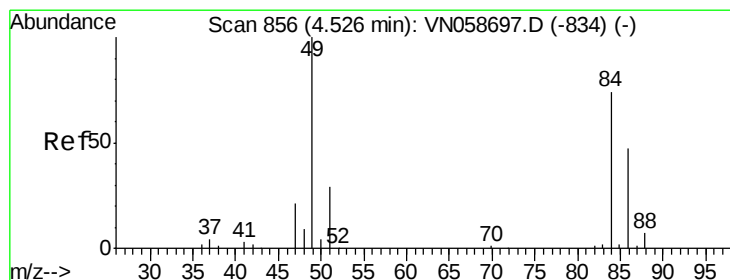
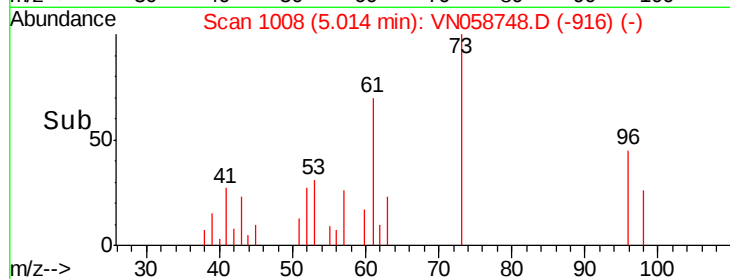
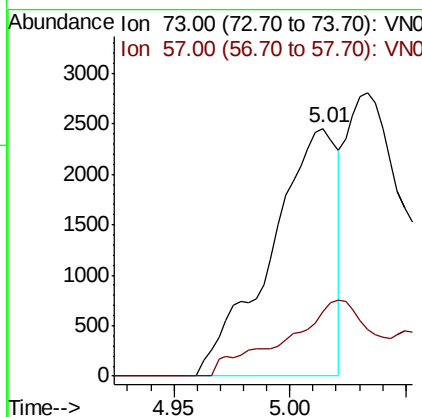
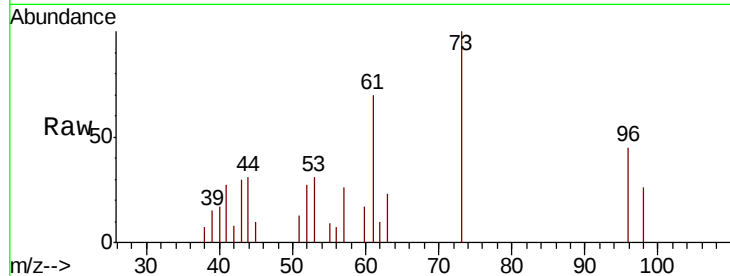




#19
Methvl tert-butvl Ether
Concen: 0.377 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

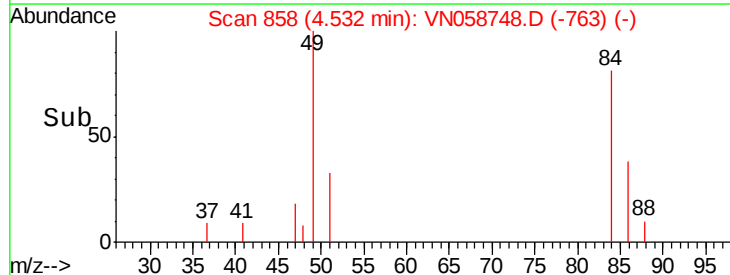
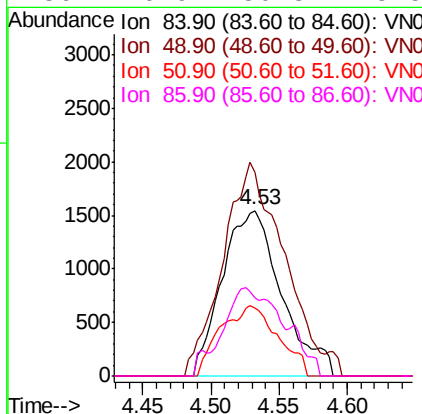
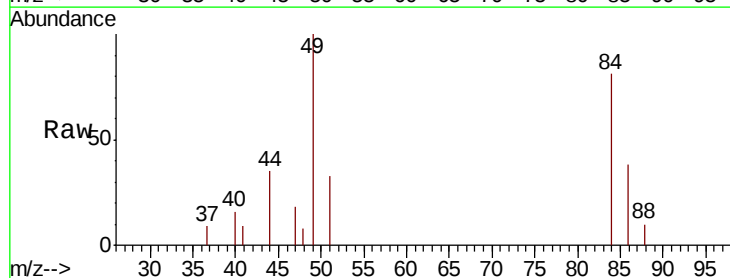
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

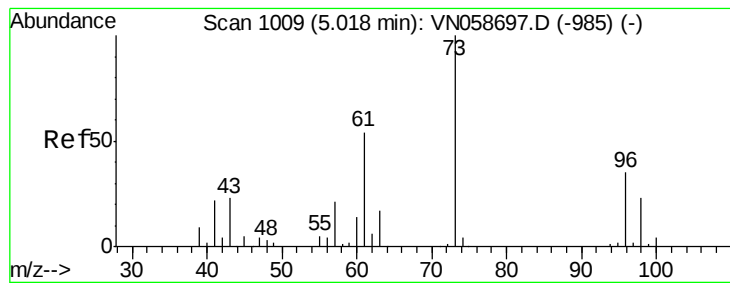
Tot Ion: 73 Resp: 4895
Ion Ratio Lower Upper
73 100
57 26.0 17.0 25.6#



#20
Methylene Chloride
Concen: 1.017 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 84 Resp: 4667
Ion Ratio Lower Upper
84 100
49 113.4 107.6 161.4
51 41.2 31.4 47.0
86 46.9 50.3 75.5#





#21

trans-1,2-Dichloroethene

Concen: 0.633 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

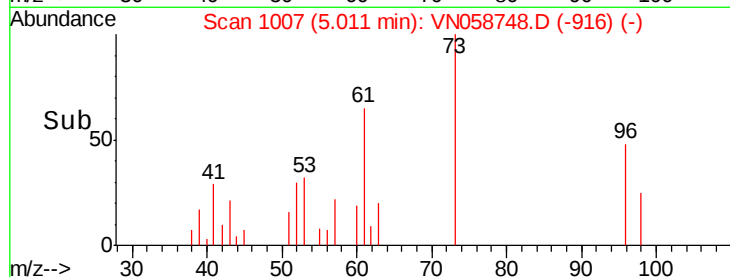
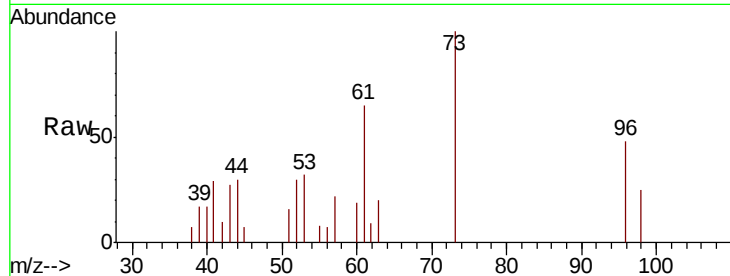
Tot Ion: 96 Resp: 2577

Ion Ratio Lower Upper

96 100

61 120.5 123.6 185.4#

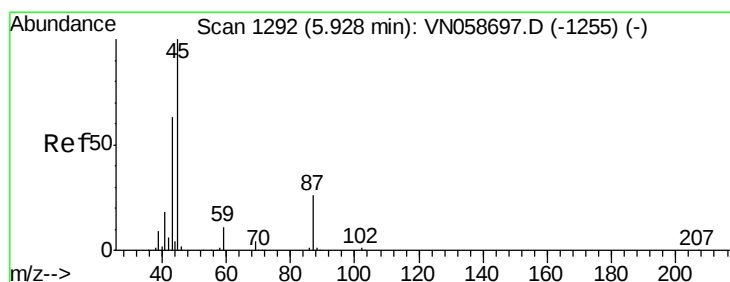
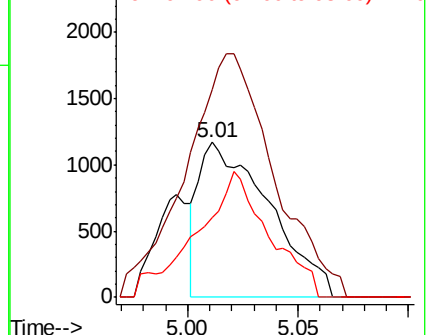
98 51.9 52.1 78.1#



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.799 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Tgt Ion: 45 Resp: 11405

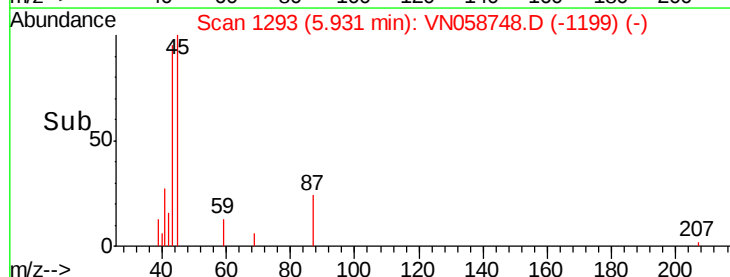
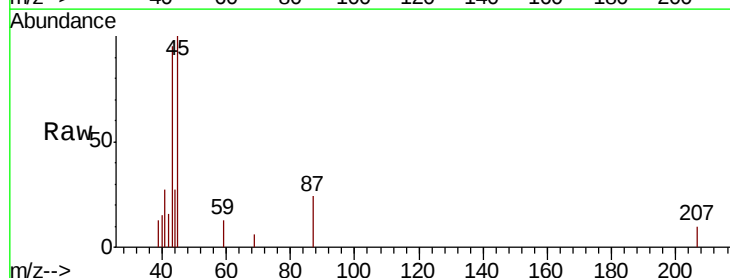
Ion Ratio Lower Upper

45 100

43 83.3 50.6 75.8#

87 24.0 21.1 31.7

59 12.6 9.0 13.4

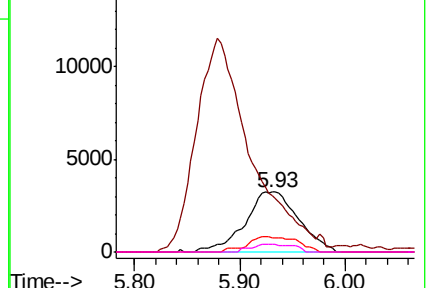


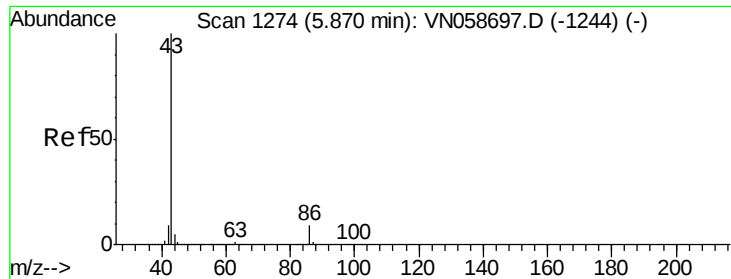
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

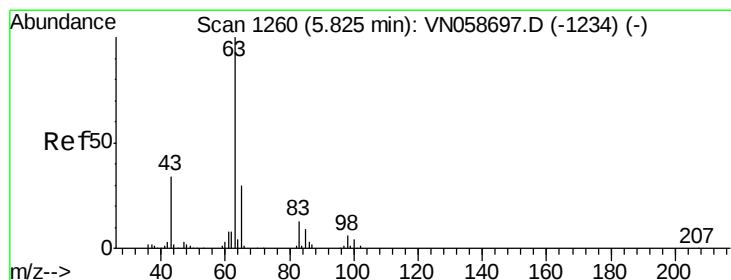
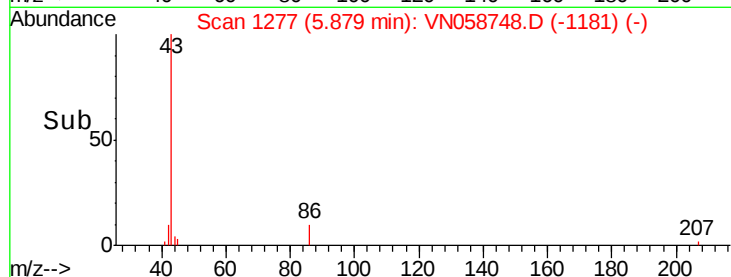
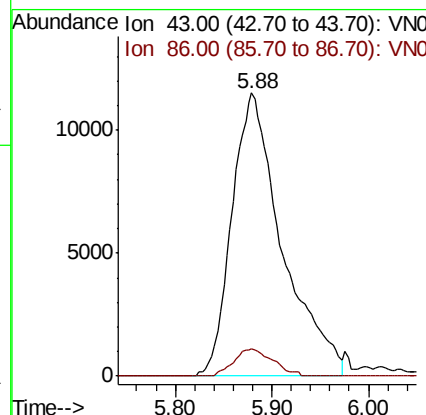
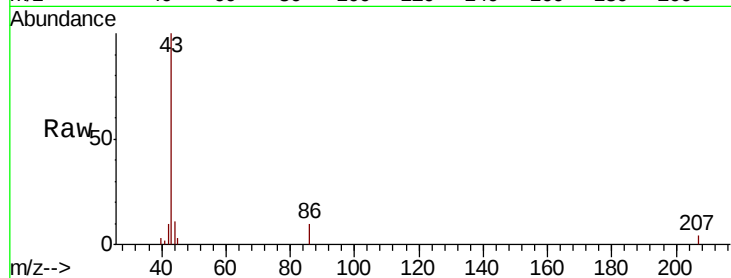




#23
 Vinyl Acetate
 Concen: 3.606 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

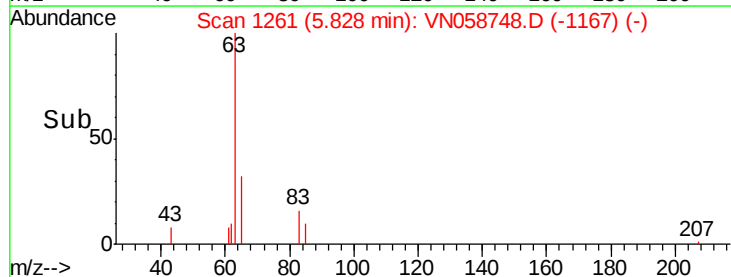
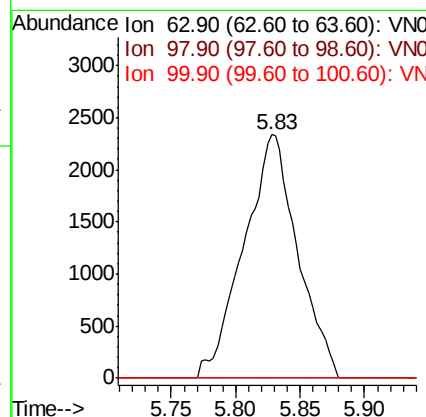
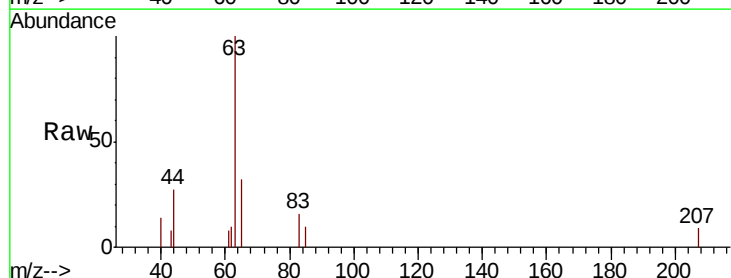
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

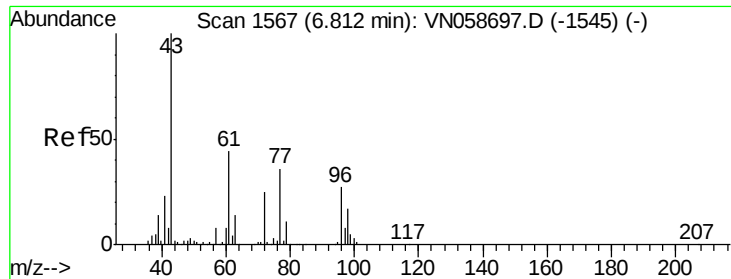
Tot Ion: 43 Resp: 41532
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 0.836 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 63 Resp: 6793
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.6#
 100 0.0 1.8 5.5#





#25

2-Butanone

Concen: 3.898 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

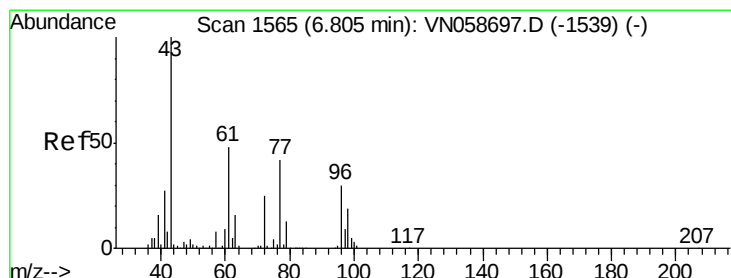
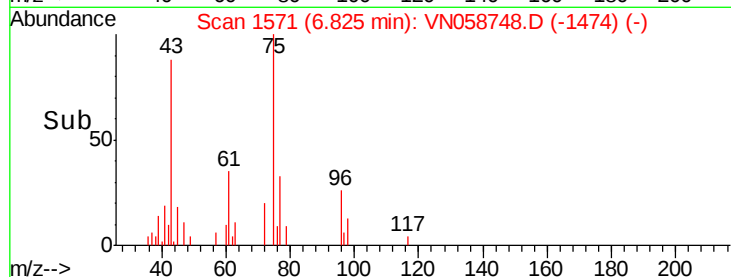
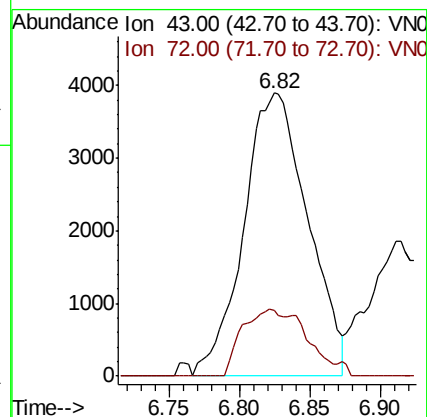
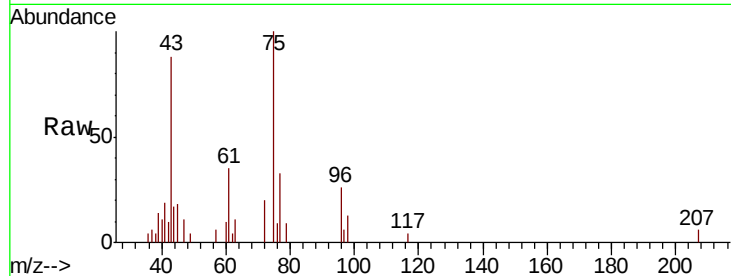
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 12369

Ion Ratio Lower Upper

43 100

72 23.1 20.2 30.2



#26

2,2-Dichloropropane

Concen: 0.980 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VN058748.D

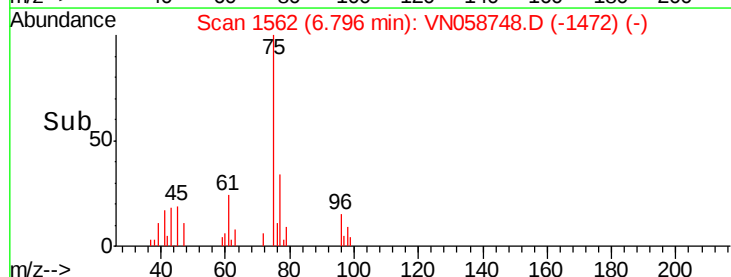
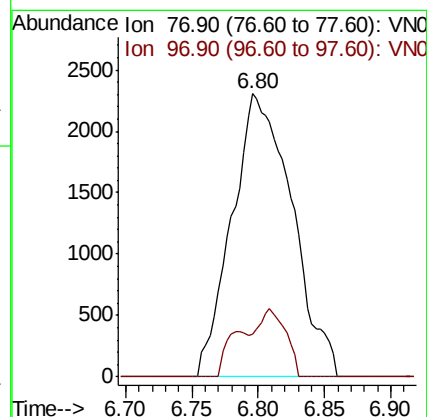
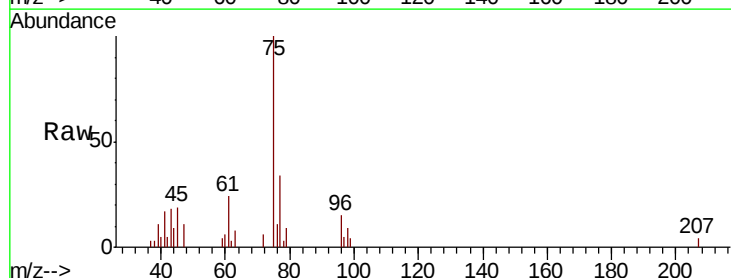
Acq: 14 Oct 2019 14:42

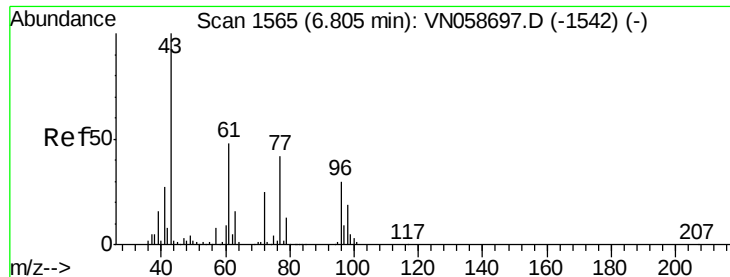
Tgt Ion: 77 Resp: 7275

Ion Ratio Lower Upper

77 100

97 6.1 10.7 31.9#





#27

cis-1,2-Dichloroethene

Concen: 0.830 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

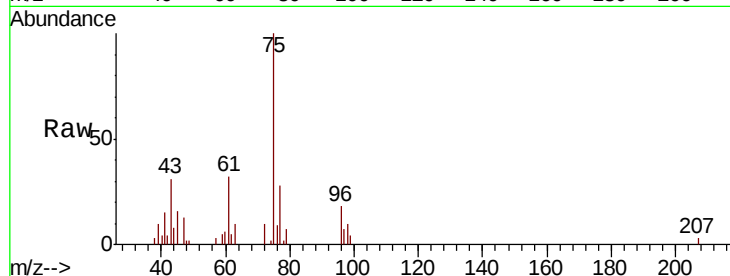
Tot Ion: 96 Resp: 3939

Ion Ratio Lower Upper

96 100

61 164.1 0.0 324.8

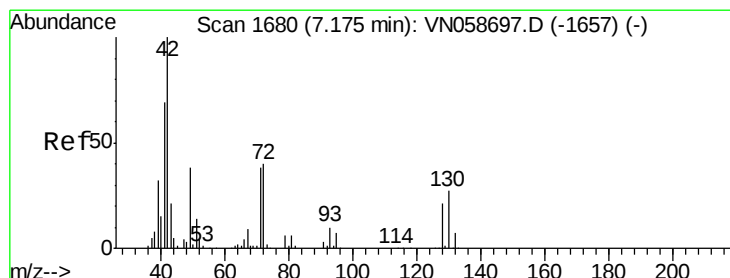
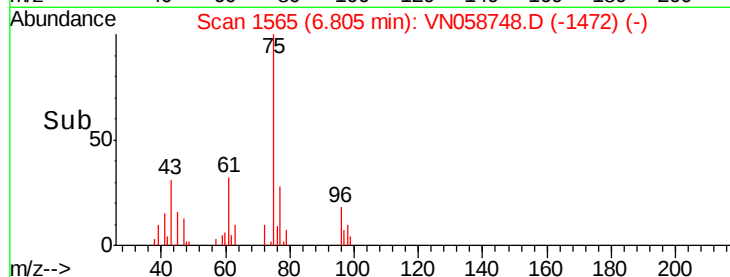
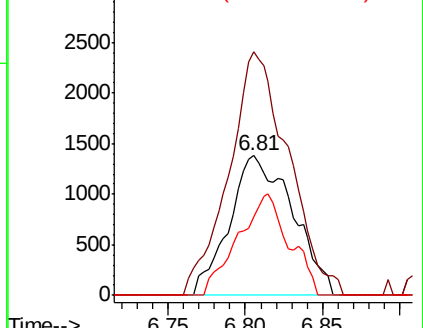
98 58.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058748.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058748.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058748.D (-1472) (-)



#28

Bromochloromethane

Concen: 0.871 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

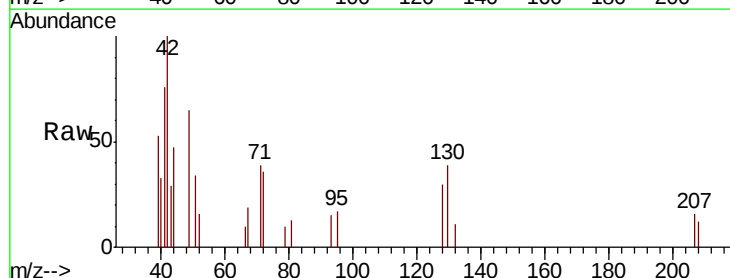
Tgt Ion: 49 Resp: 2464

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

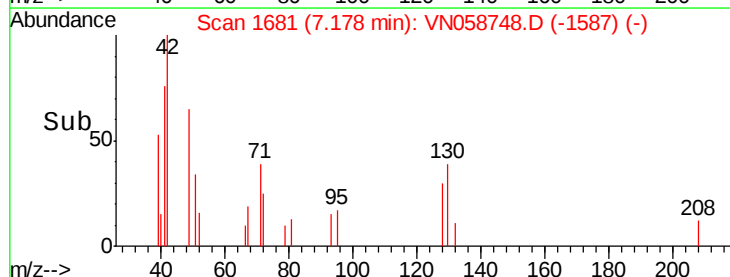
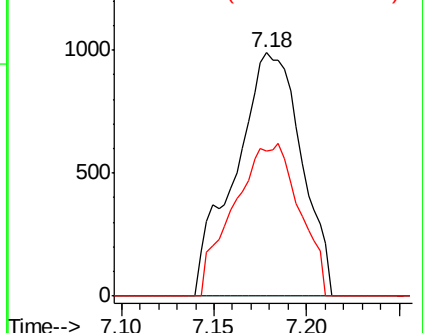
130 61.8 55.0 82.4

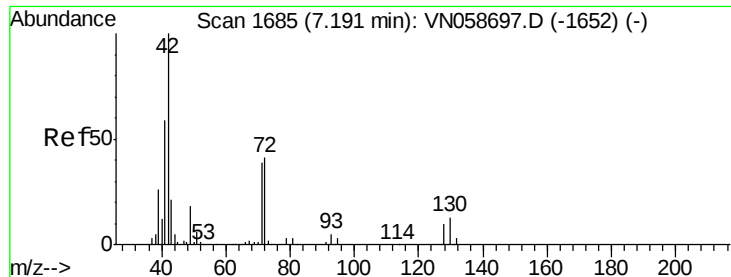


Abundance Ion 48.90 (48.60 to 49.60): VN058748.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058748.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058748.D (-1587) (-)

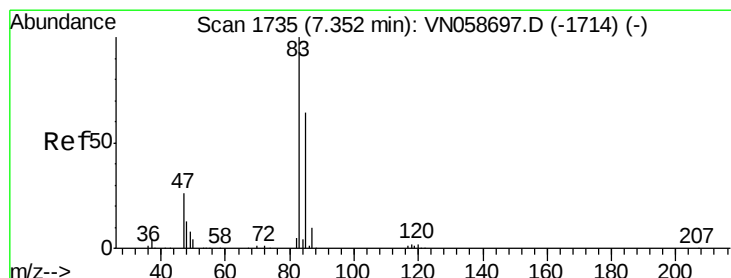
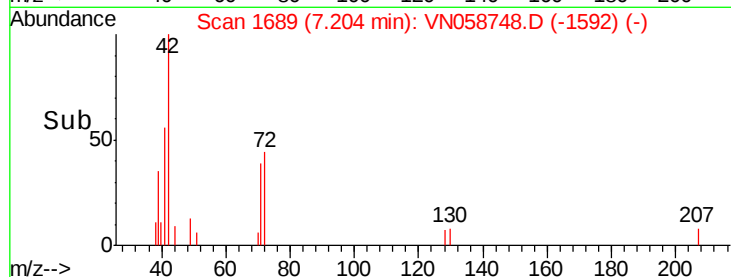
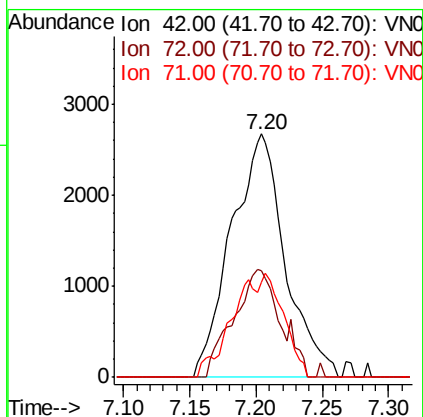
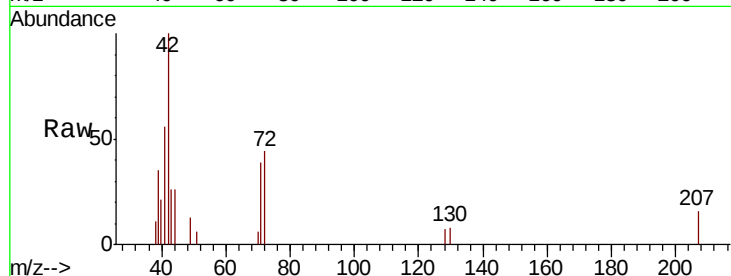




#29
Tetrahydrofuran
Concen: 3.683 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

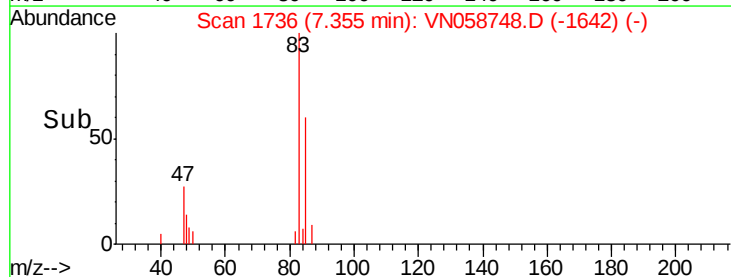
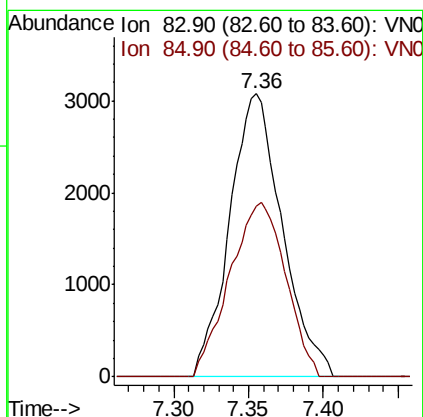
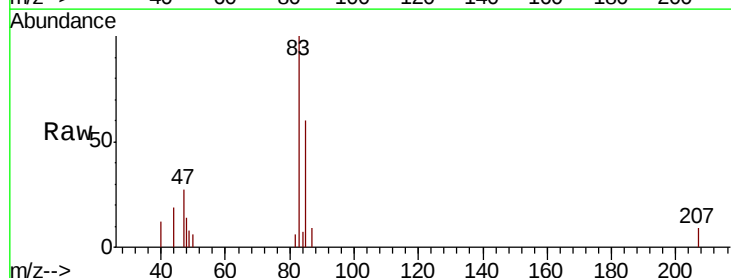
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

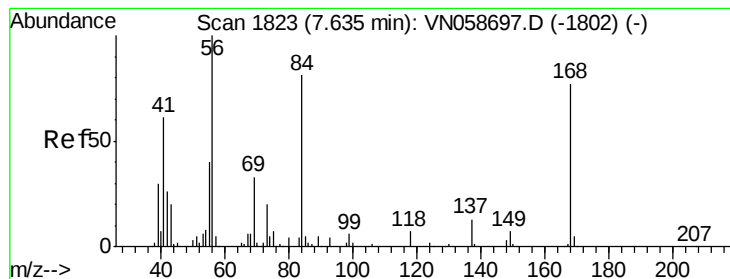
Tot Ion: 42 Resp: 7551
Ion Ratio Lower Upper
42 100
72 38.9 32.8 49.2
71 21.0 31.1 46.7#



#30
Chloroform
Concen: 0.920 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 83 Resp: 7510
Ion Ratio Lower Upper
83 100
85 60.3 51.0 76.6





#31

Cyclohexane

Concen: 1.877 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

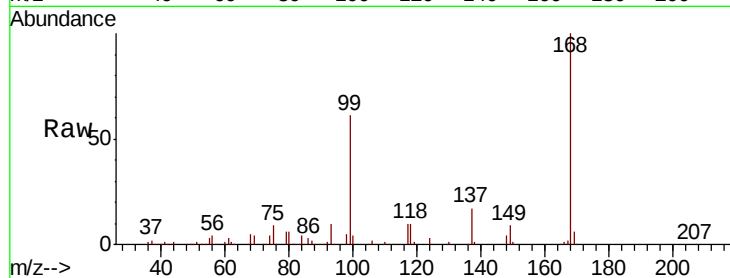
Tot Ion: 56 Resp: 14595

Ion Ratio Lower Upper

56 100

69 111.9 26.2 39.4#

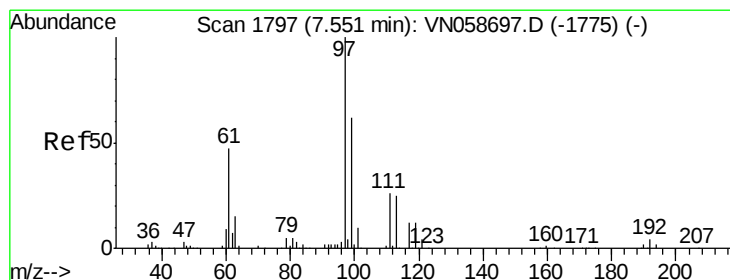
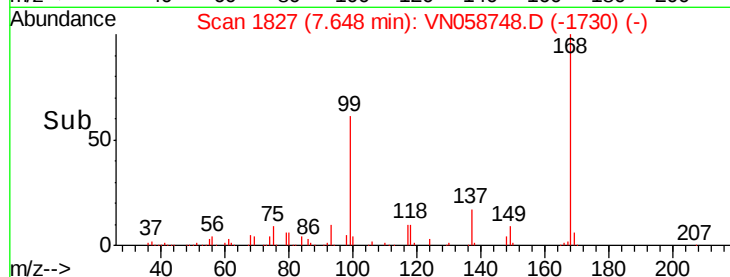
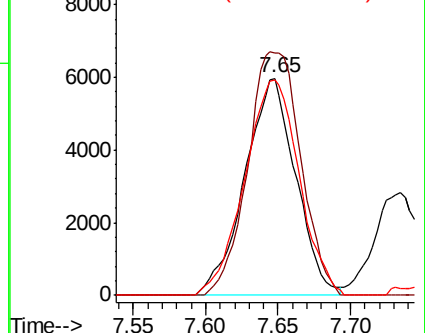
84 99.4 64.9 97.3#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.855 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

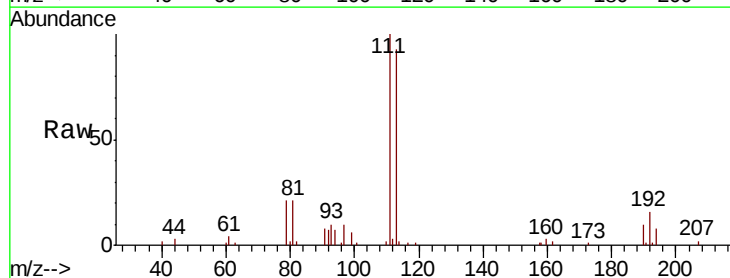
Tgt Ion: 97 Resp: 5955

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

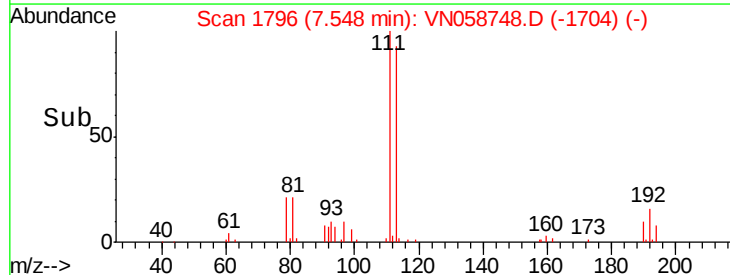
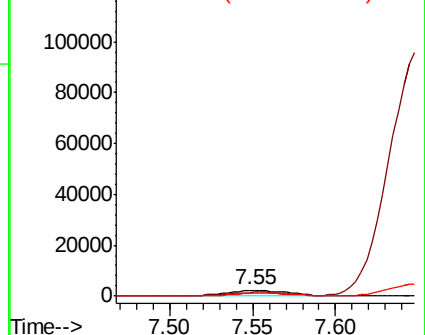
61 47.9 38.1 57.1

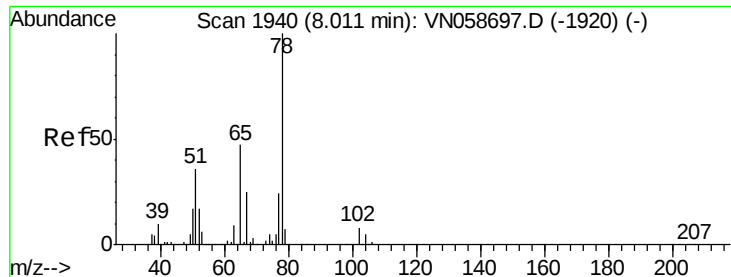


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 53.818 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

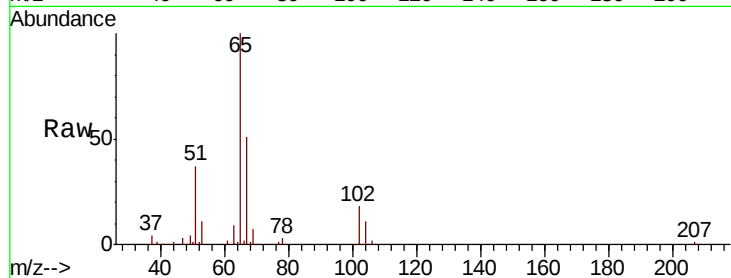
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 65 Resp: 285360

Ion Ratio Lower Upper

65 100

67 51.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058697.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN058697.D (-1920) (-)

8.01

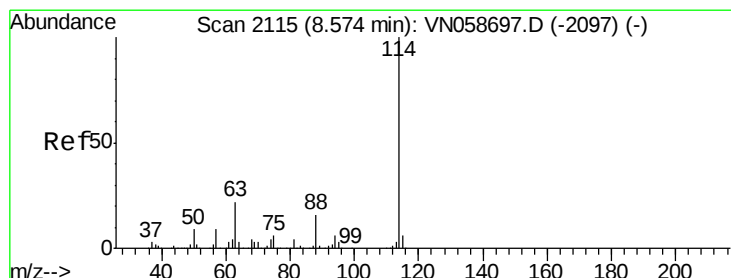
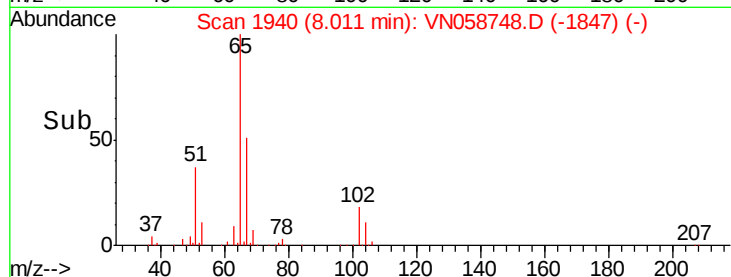
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

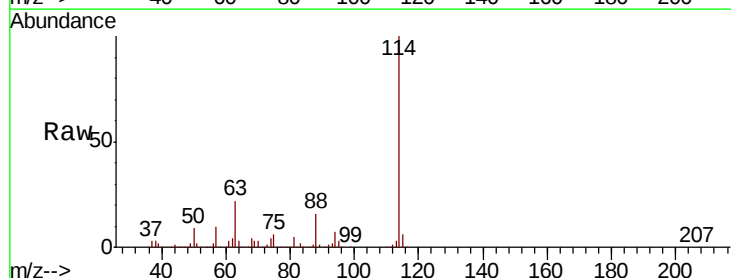
Tgt Ion: 114 Resp: 631822

Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.8

88 16.1 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN058697.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058697.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058697.D (-2097) (-)

8.57

400000

300000

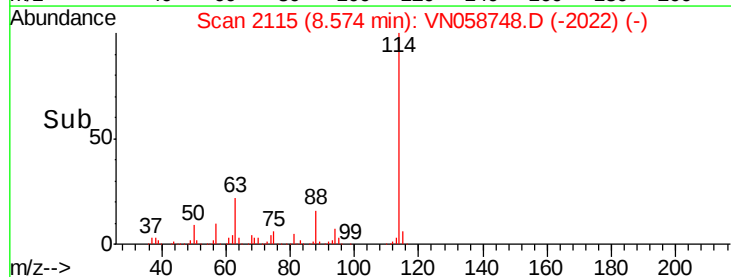
200000

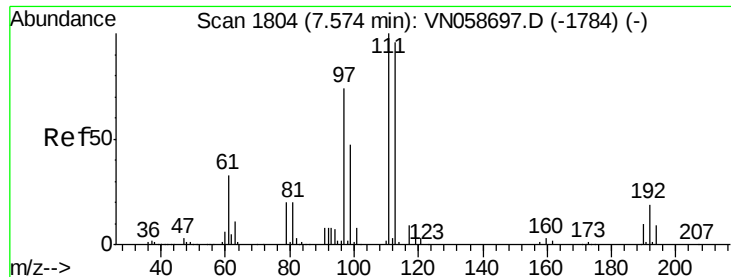
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

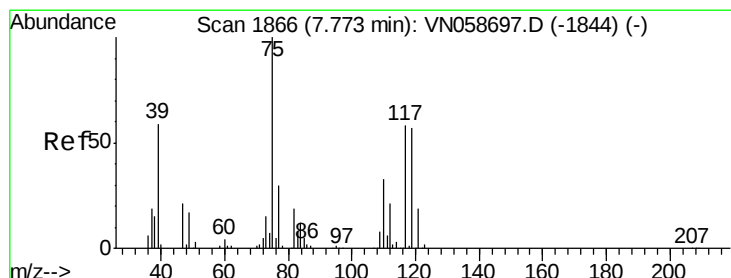
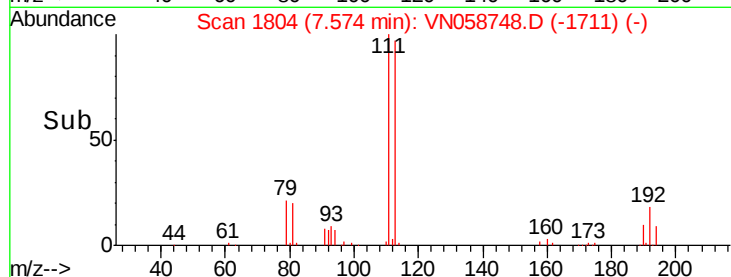
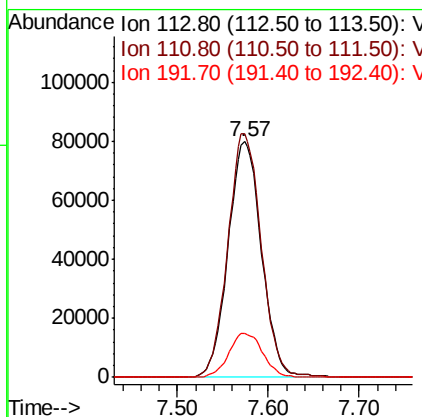
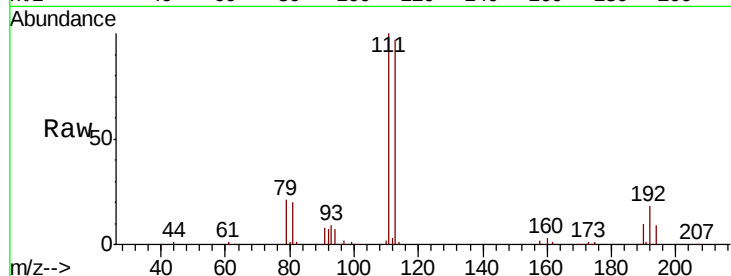




#35
 Dibromofluoromethane
 Concen: 52.081 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

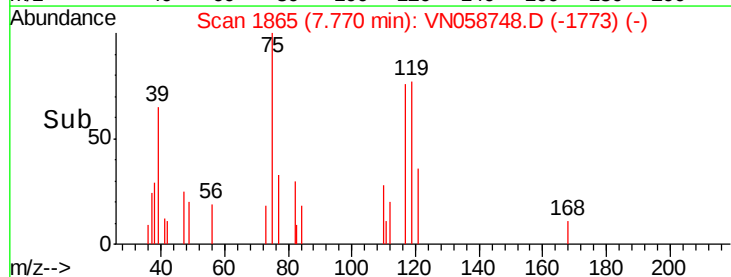
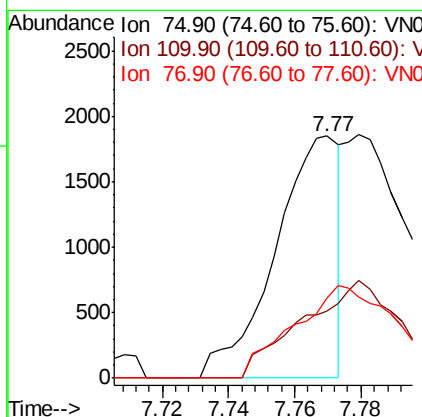
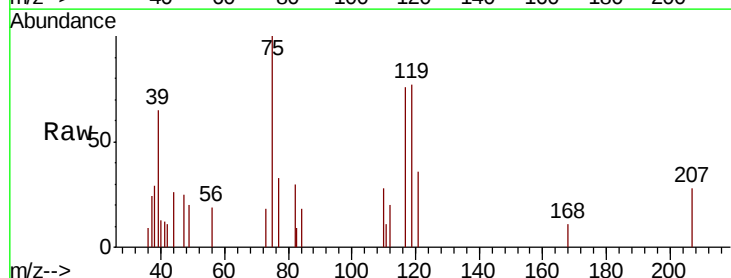
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

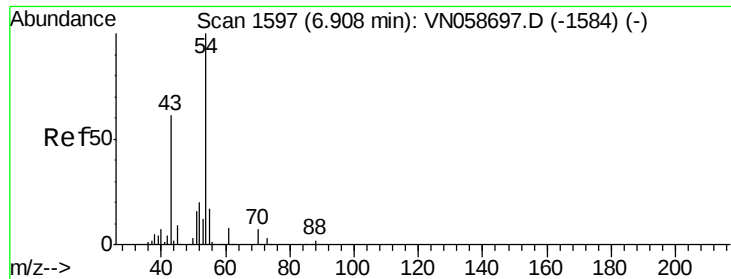
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.3	123.5
192	19.1	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 0.391 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	61.4	16.6	49.8#
77	58.0	24.6	37.0#

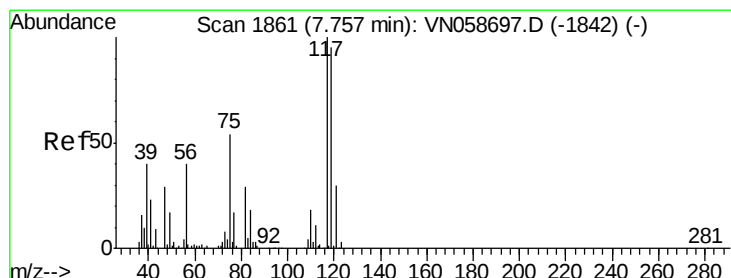
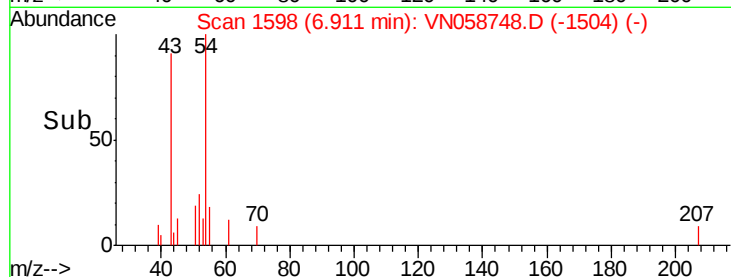
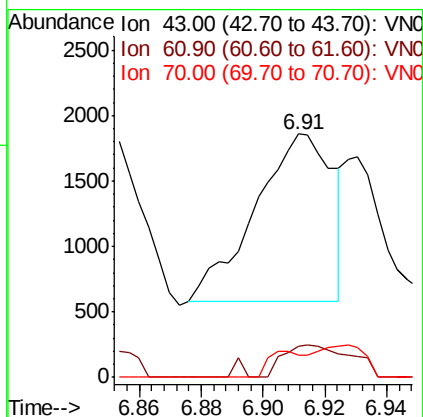
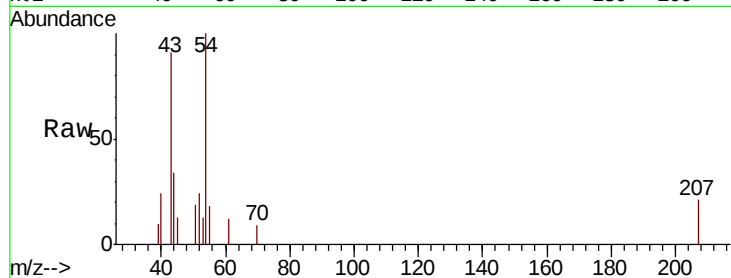




#37
Ethyl Acetate
Concen: 0.344 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

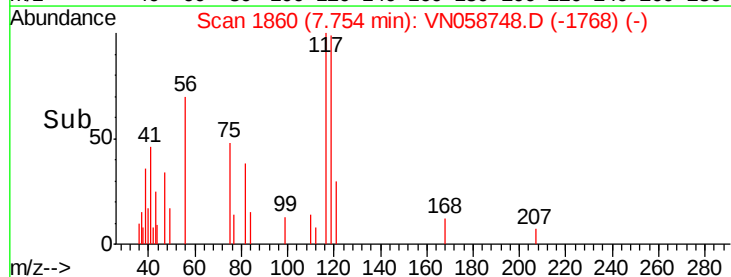
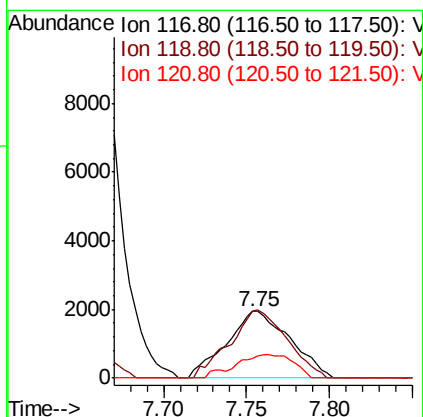
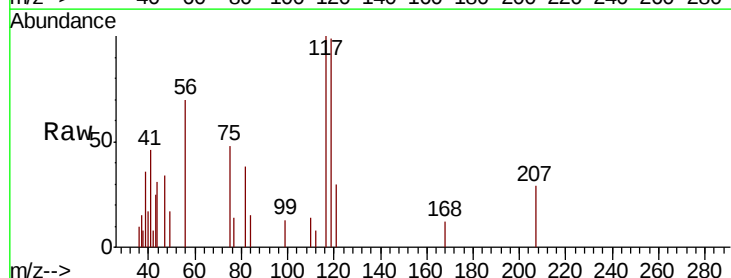
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

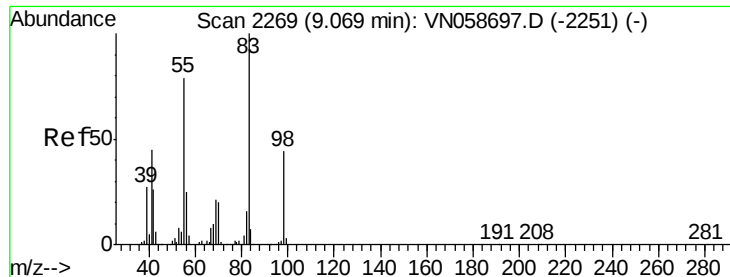
Tot Ion: 43 Resp: 2221
Ion Ratio Lower Upper
43 100
61 16.8 11.3 16.9
70 7.8 7.2 10.8



#38
Carbon Tetrachloride
Concen: 0.830 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 117 Resp: 5167
Ion Ratio Lower Upper
117 100
119 99.4 75.7 113.5
121 29.8 23.9 35.9

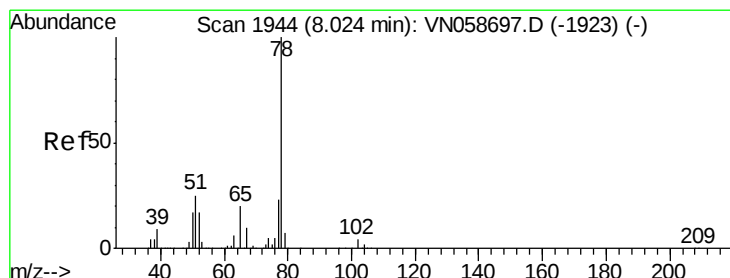
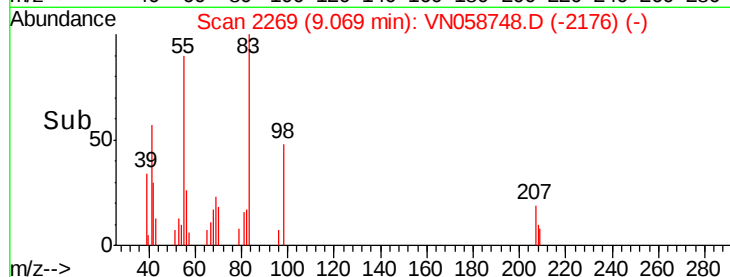
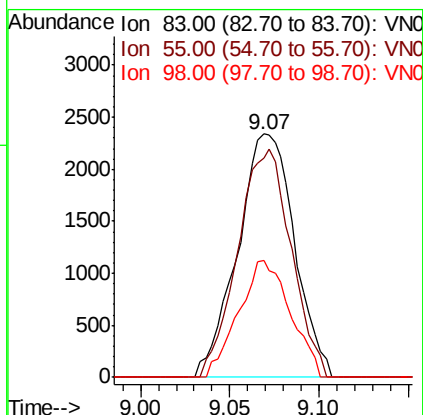
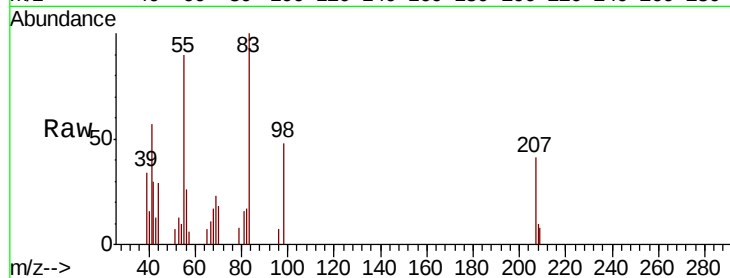




#39
Methvlcvclohexane
Concen: 0.701 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

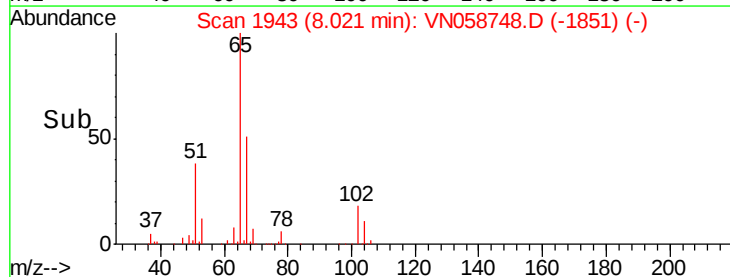
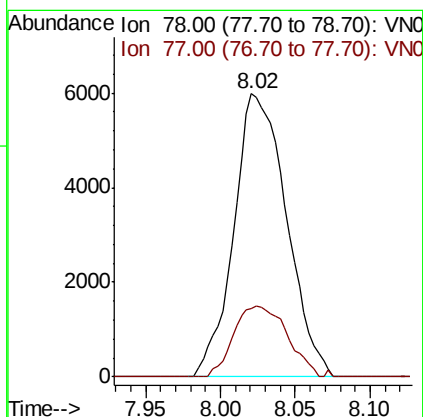
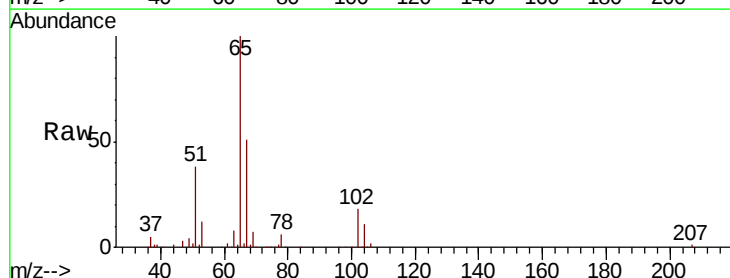
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

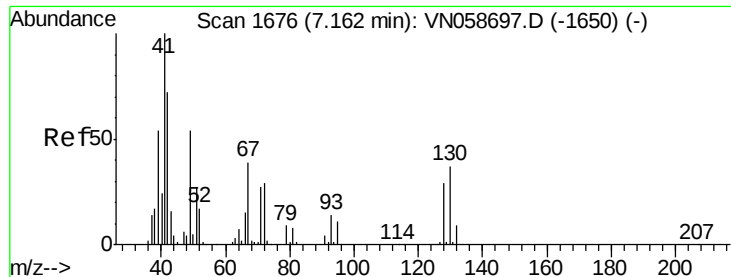
Tot Ion: 83 Resp: 5193
Ion Ratio Lower Upper
83 100
55 90.1 63.4 95.0
98 48.0 35.1 52.7



#40
Benzene
Concen: 0.799 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 78 Resp: 14665
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2

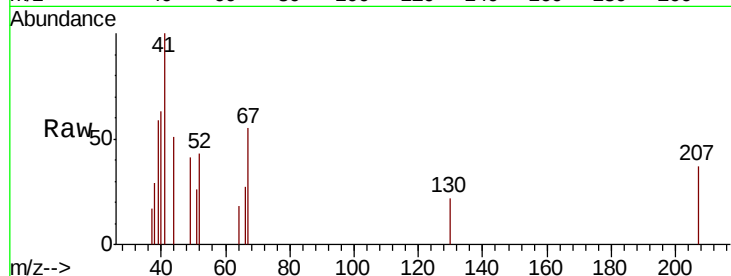




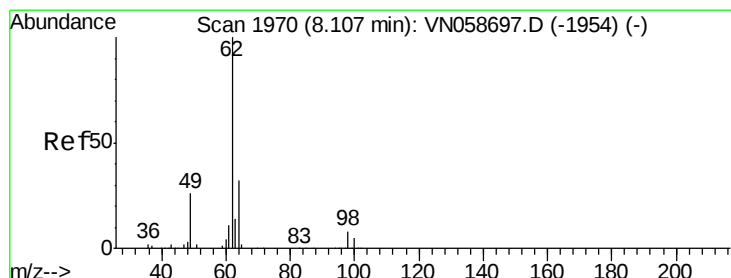
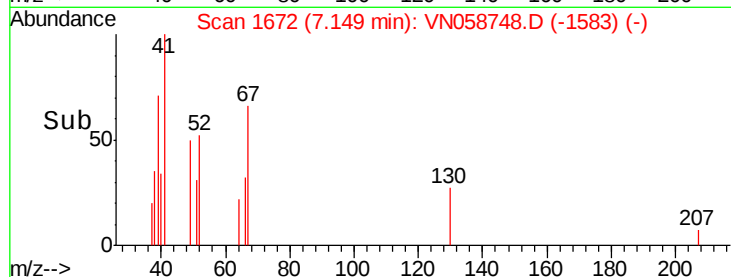
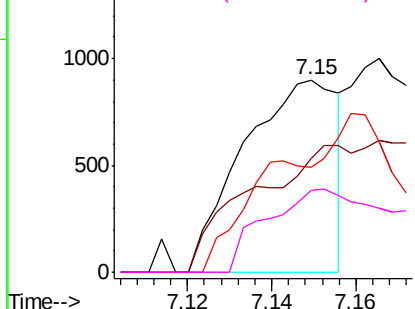
#41
Methacrylonitrile
Concen: 0.463 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 41 Resp: 1399
Ion Ratio Lower Upper
41 100
39 70.2 115.4 173.2#
67 75.1 0.0 0.0#
52 66.5 0.0 0.0#

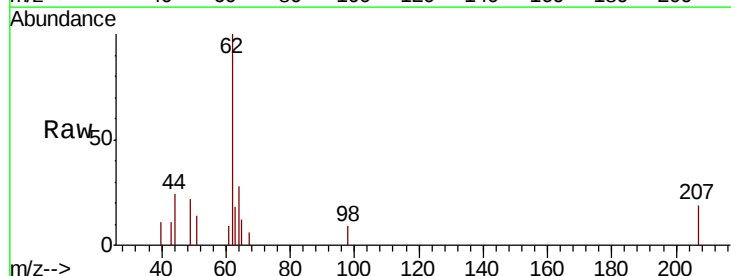


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

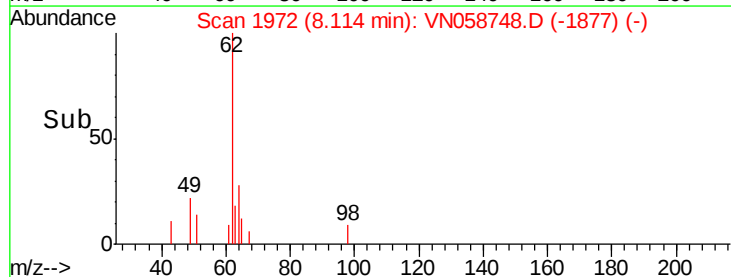
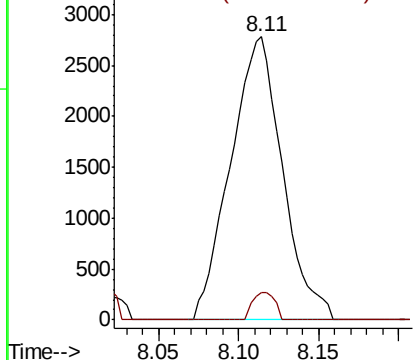


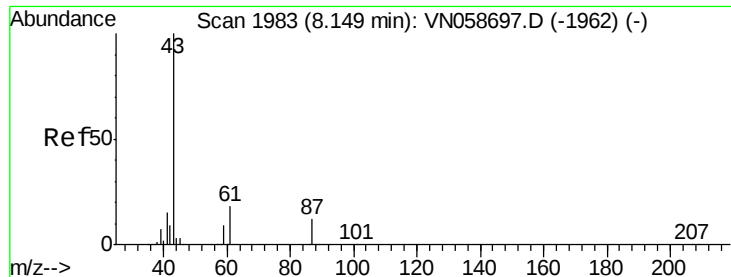
#42
1,2-Dichloroethane
Concen: 0.877 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 62 Resp: 6182
Ion Ratio Lower Upper
62 100
98 4.2 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 0.742 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

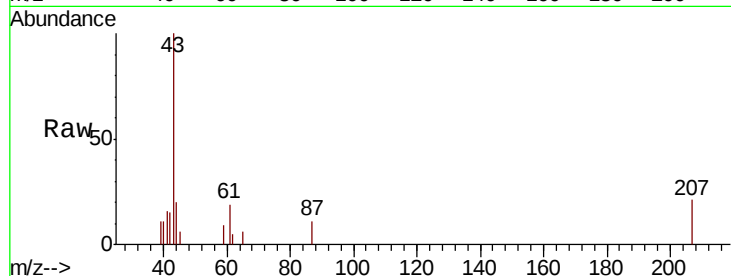
Tot Ion: 43 Resp: 8164

Ion Ratio Lower Upper

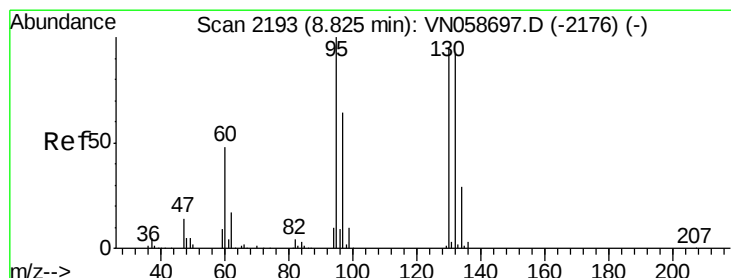
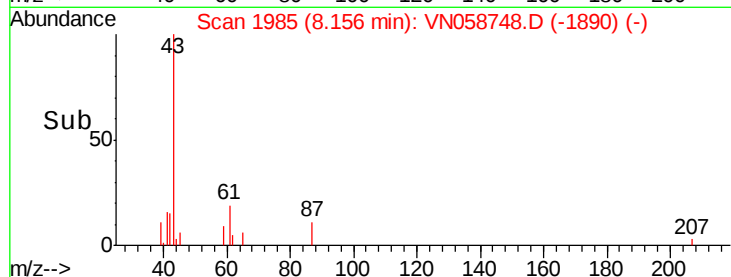
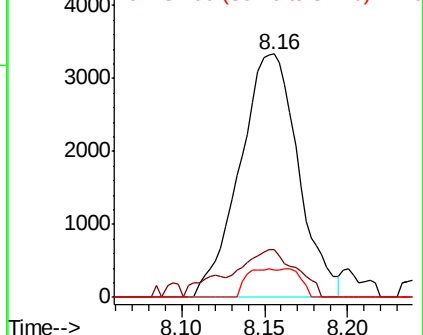
43 100

61 17.8 20.3 30.5#

87 5.7 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 0.860 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058748.D

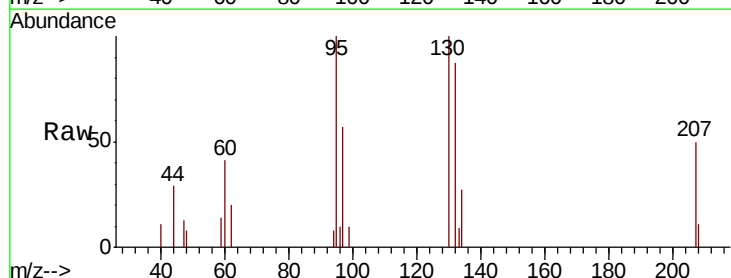
Acq: 14 Oct 2019 14:42

Tgt Ion: 130 Resp: 3918

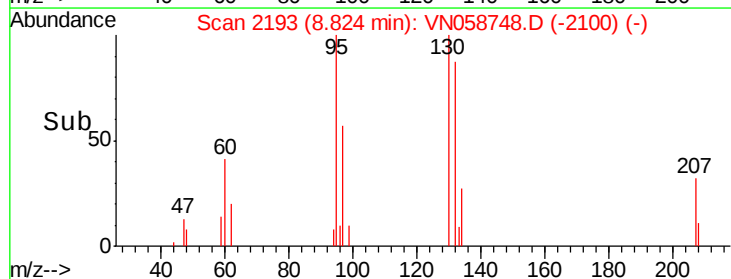
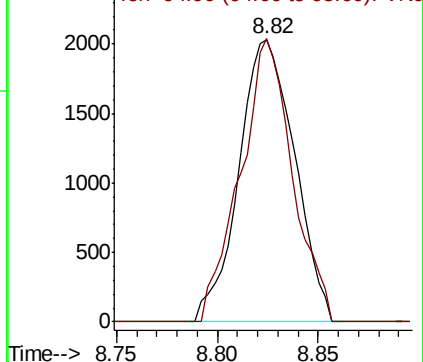
Ion Ratio Lower Upper

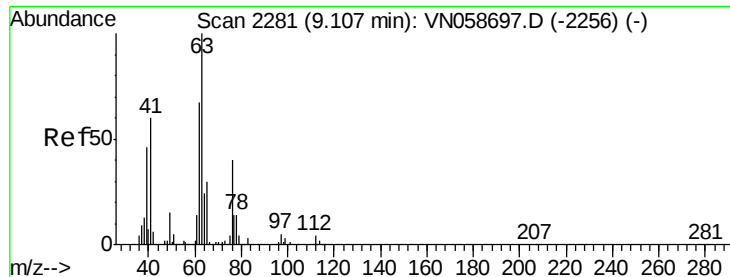
130 100

95 100.2 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 0.834 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

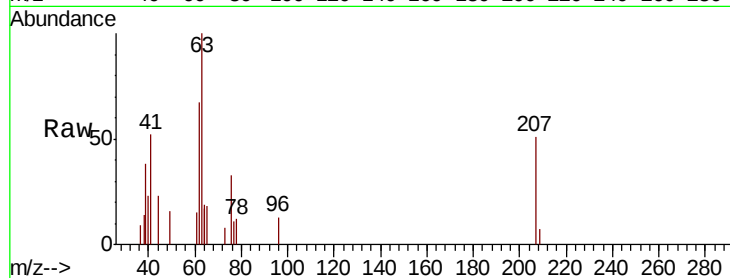
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 63 Resp: 4097

Ion Ratio Lower Upper

63 100

65 18.2 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2256) (-)

Ion 64.90 (64.60 to 65.60): VN058697.D (-2256) (-)

9.11

2500

2000

1500

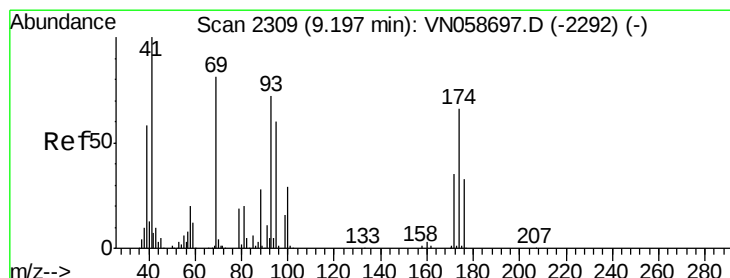
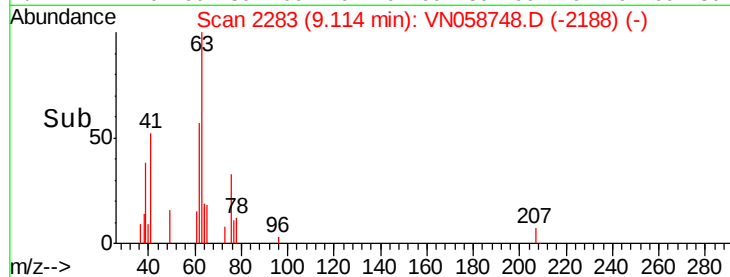
1000

500

0

9.05 9.10 9.15

Time-->



#46

Dibromomethane

Concen: 0.794 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

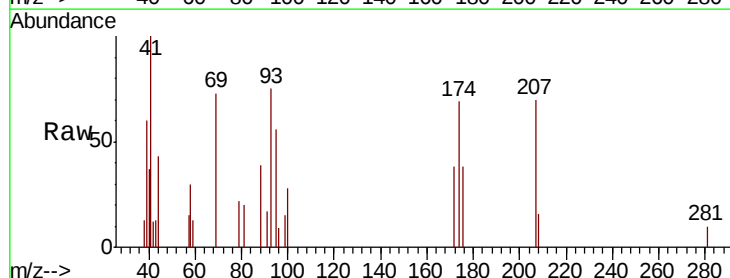
Tgt Ion: 93 Resp: 2472

Ion Ratio Lower Upper

93 100

95 85.5 66.6 100.0

174 91.9 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058697.D (-2292) (-)

Ion 94.80 (94.50 to 95.50): VN058697.D (-2292) (-)

Ion 173.70 (173.40 to 174.40): VN058697.D (-2292) (-)

1500

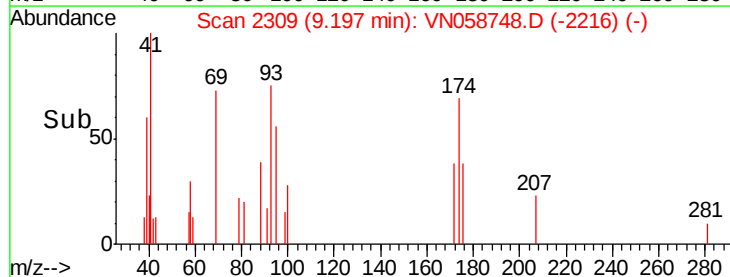
1000

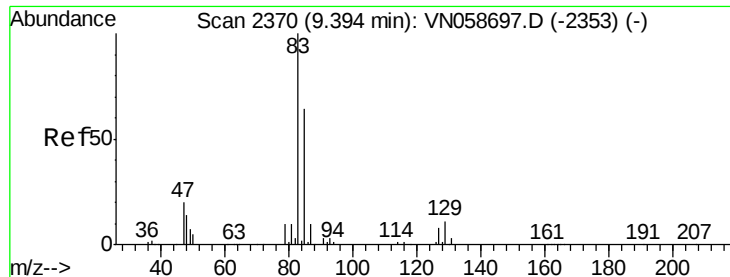
500

0

9.15 9.20 9.25

Time-->





#47

Bromodichloromethane

Concen: 0.844 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

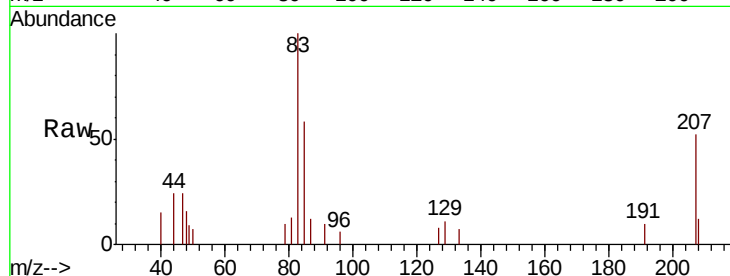
Tot Ion: 83 Resp: 5354

Ion Ratio Lower Upper

83 100

85 57.8 50.9 76.3

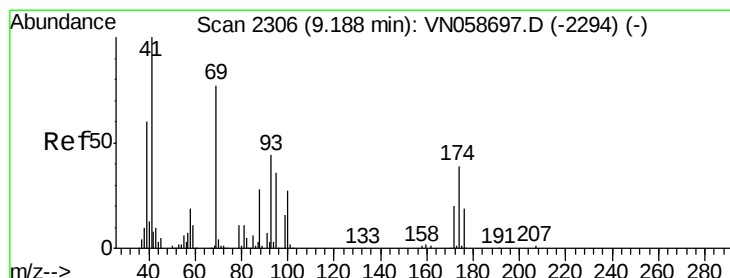
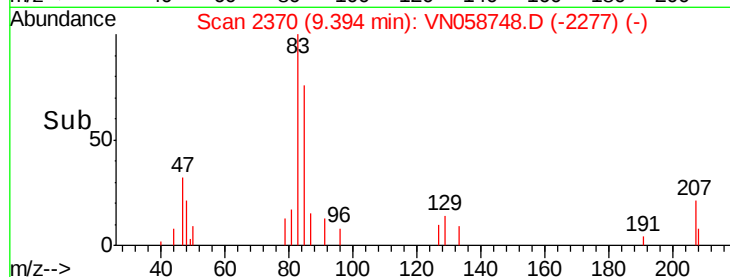
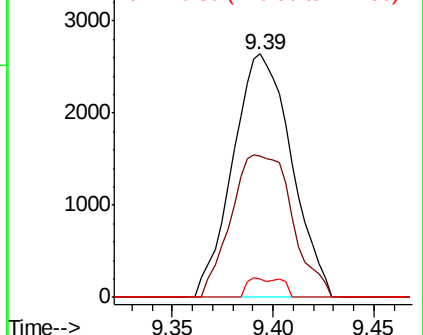
127 7.6 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058748.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058748.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058748.D (-2277) (-)



#48

Methyl methacrylate

Concen: 0.758 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

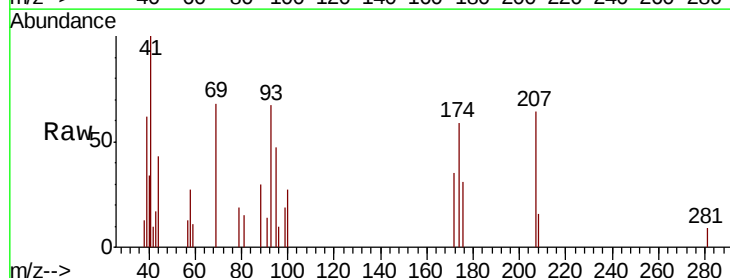
Tgt Ion: 41 Resp: 3783

Ion Ratio Lower Upper

41 100

69 77.7 63.4 95.2

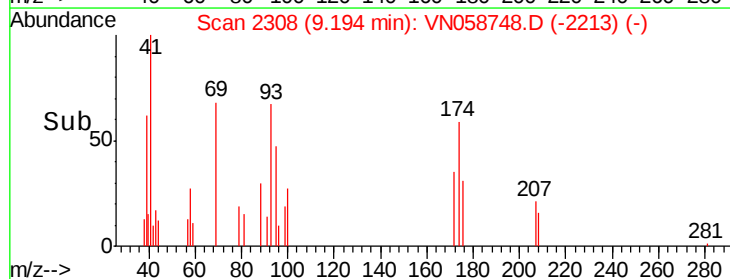
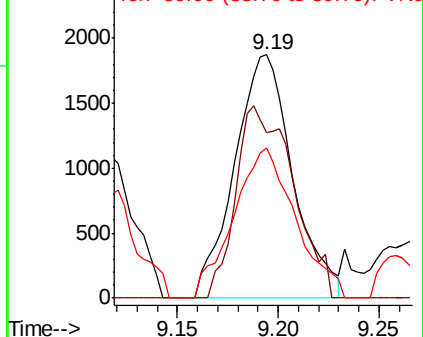
39 65.5 48.9 73.3

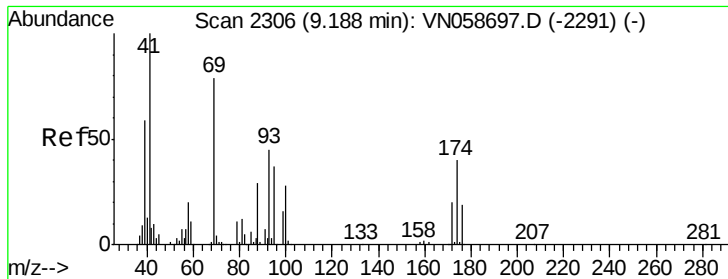


Abundance Ion 41.00 (40.70 to 41.70): VN058748.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058748.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058748.D (-2213) (-)

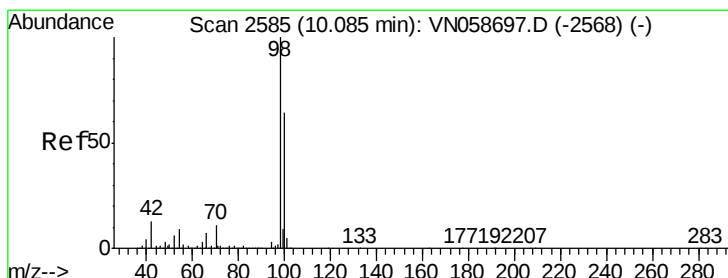
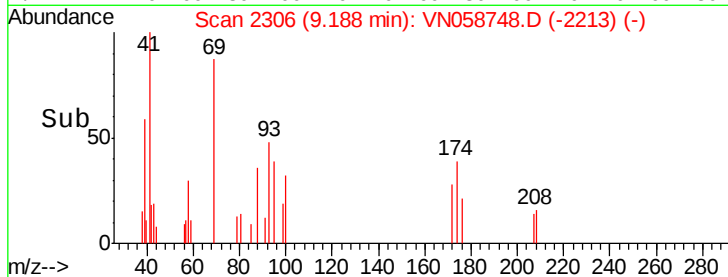
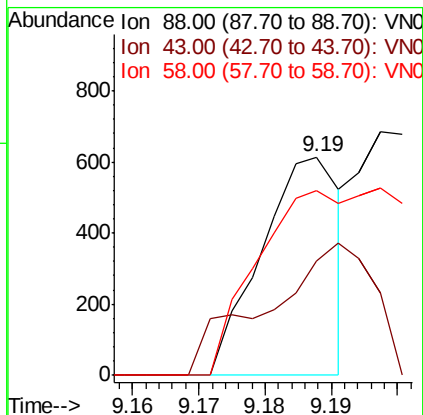
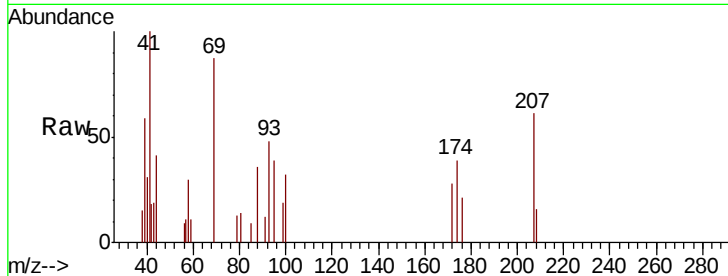




#49
1,4-Dioxane
Concen: 6.582 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

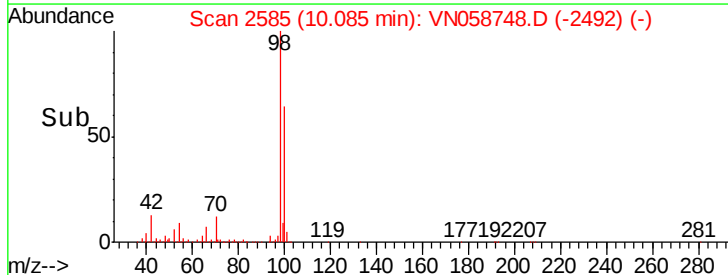
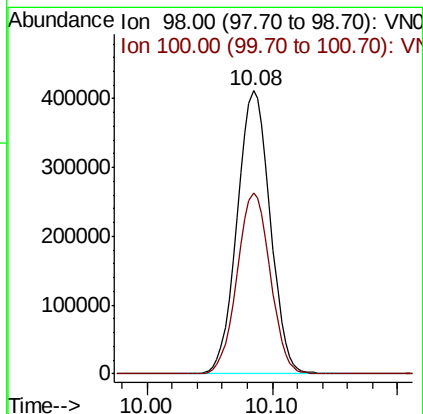
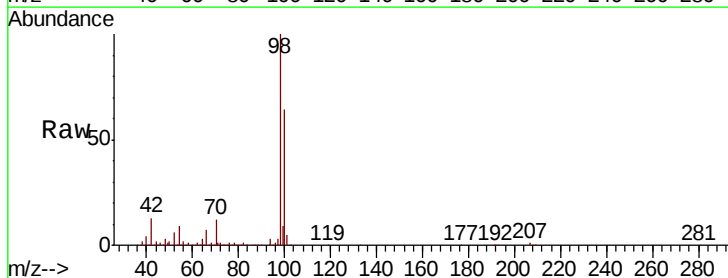
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

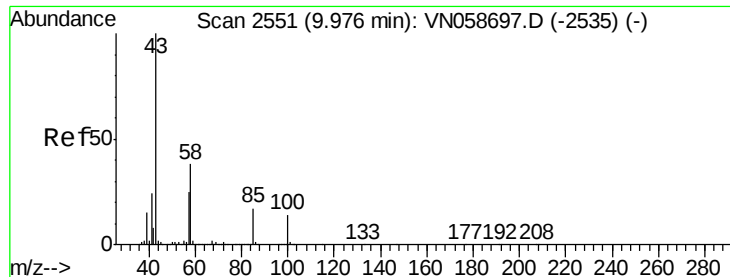
Tot Ion: 88 Resp: 508
Ion Ratio Lower Upper
88 100
43 82.1 28.6 43.0#
58 91.5 57.2 85.8#



#50
Toluene-d8
Concen: 48.230 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 98 Resp: 752682
Ion Ratio Lower Upper
98 100
100 64.2 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 3.591 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

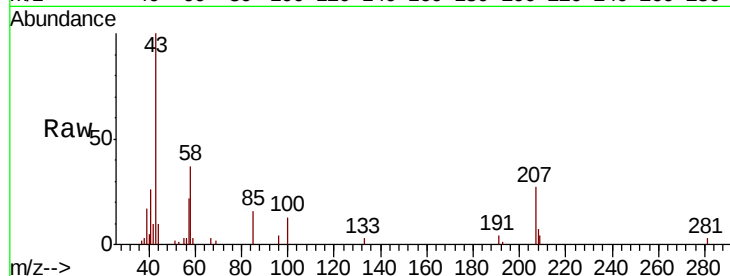
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 22196

Ion Ratio Lower Upper

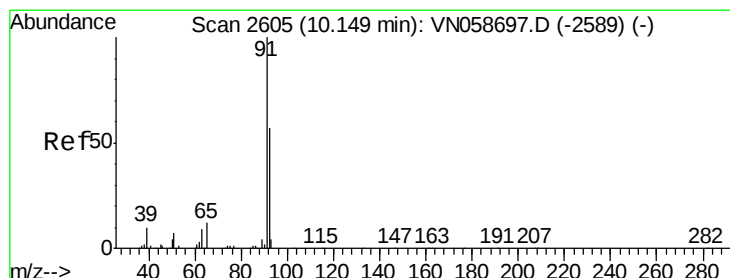
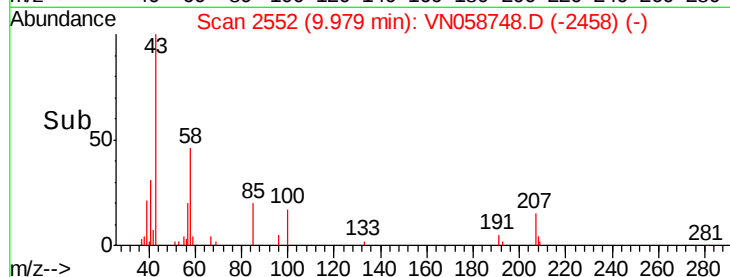
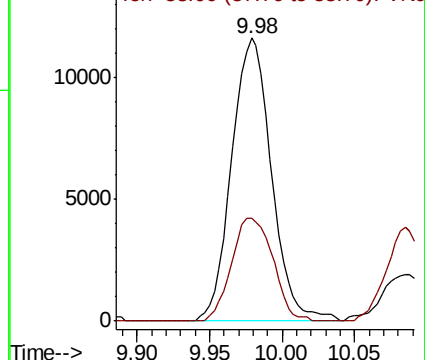
43 100

58 37.8 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.760 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058748.D

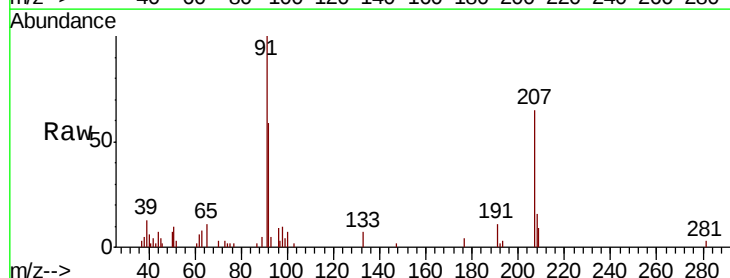
Acq: 14 Oct 2019 14:42

Tgt Ion: 92 Resp: 8530

Ion Ratio Lower Upper

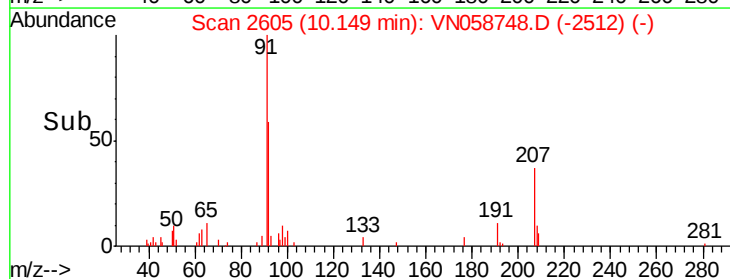
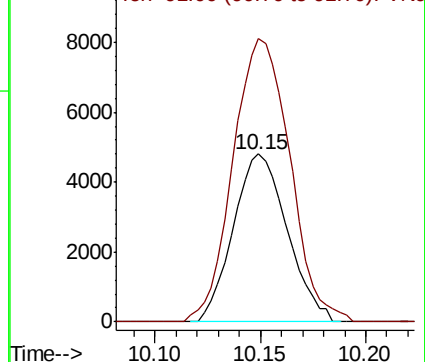
92 100

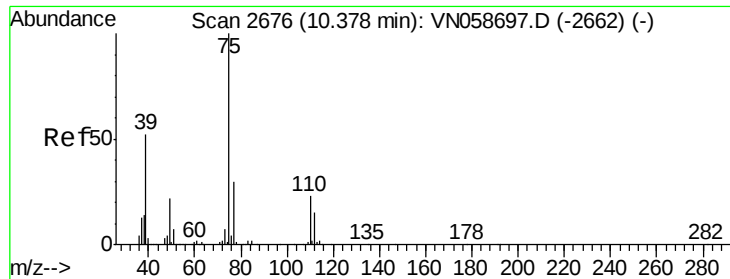
91 178.5 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 0.724 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

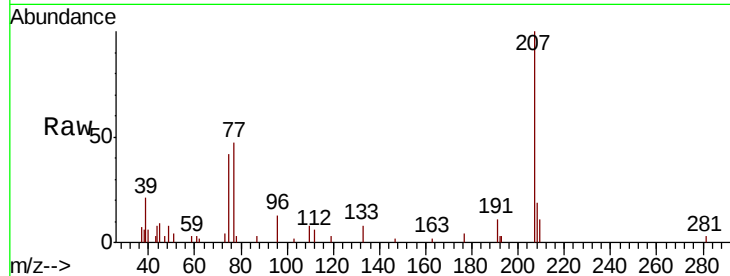
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 75 Resp: 5265

Ion Ratio Lower Upper

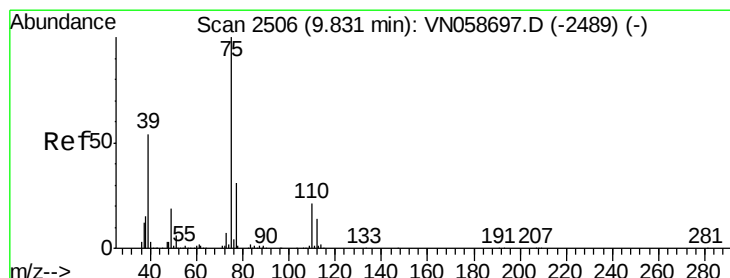
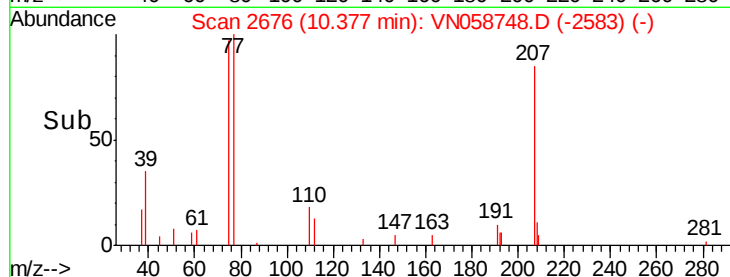
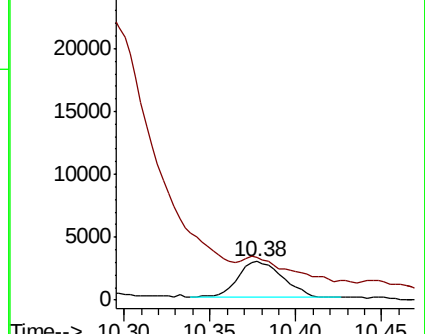
75 100

77 67.4 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.729 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

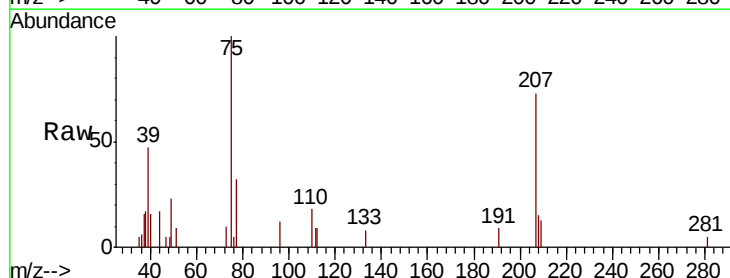
Tgt Ion: 75 Resp: 5626

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

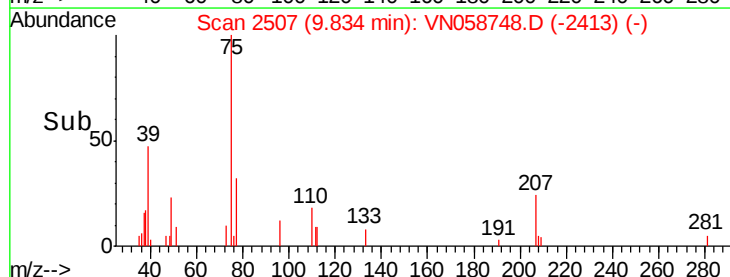
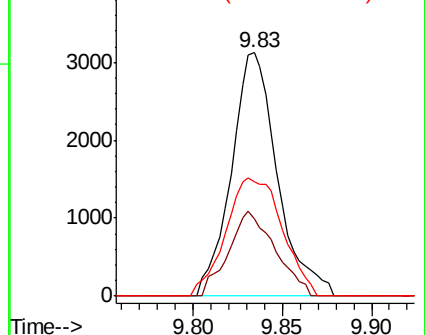
39 47.2 43.1 64.7

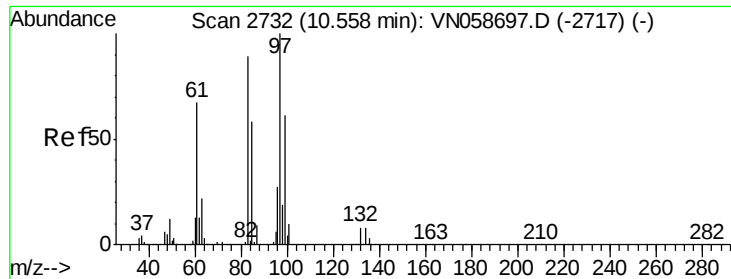


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

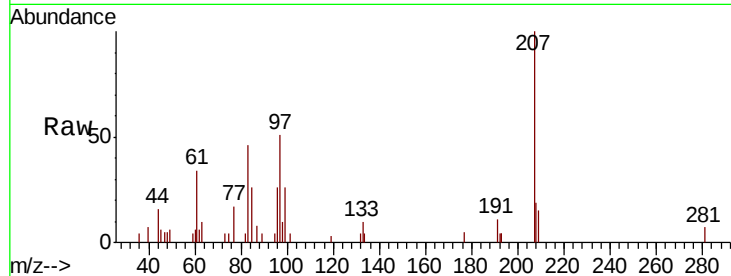




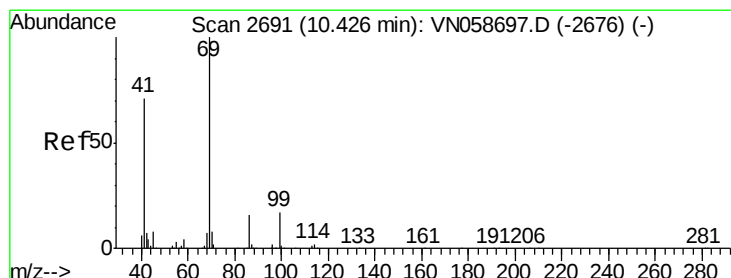
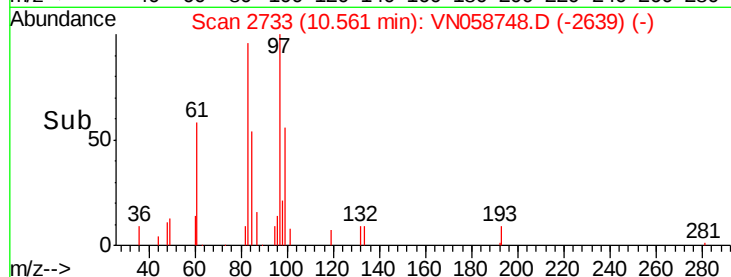
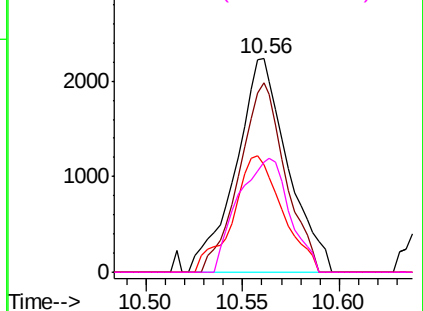
#55
 1,1,2-Trichloroethane
 Concen: 0.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

Tot Ion: 97 Resp: 4174
 Ion Ratio Lower Upper
 97 100
 83 89.0 71.2 106.8
 85 50.4 46.7 70.1
 99 51.5 49.0 73.6

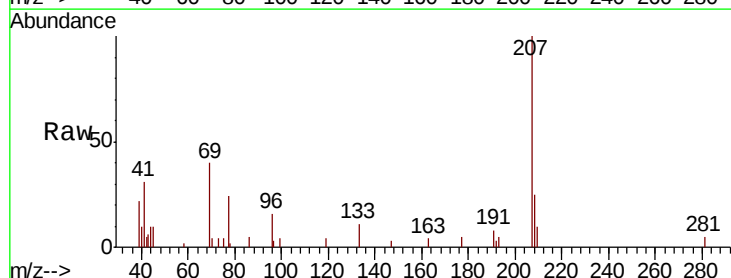


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

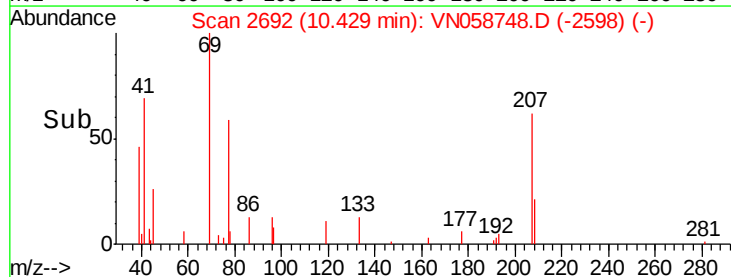
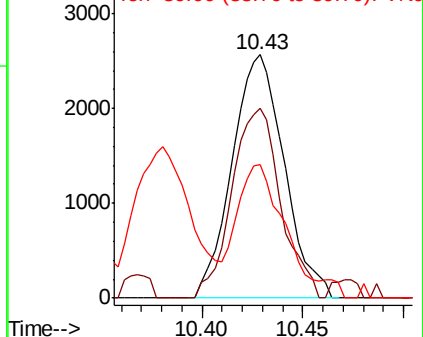


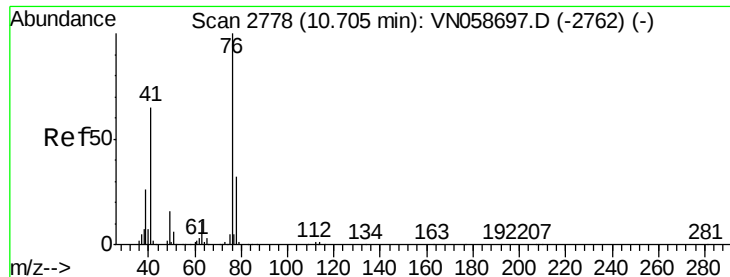
#56
 Ethyl methacrylate
 Concen: 0.691 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 69 Resp: 4639
 Ion Ratio Lower Upper
 69 100
 41 73.1 56.8 85.2
 39 40.8 32.5 48.7



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 0.776 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

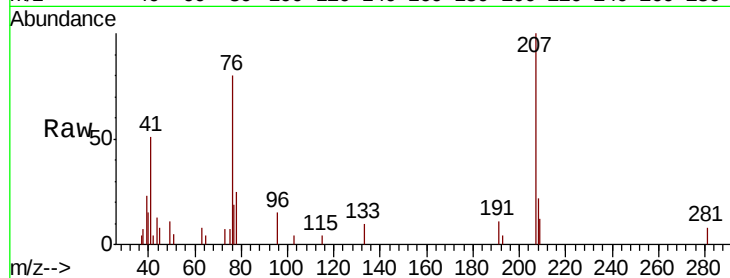
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 76 Resp: 6072

Ion Ratio Lower Upper

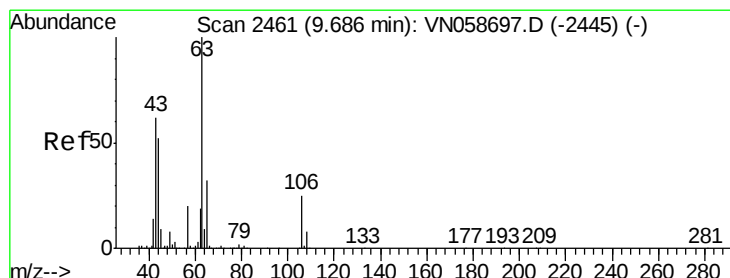
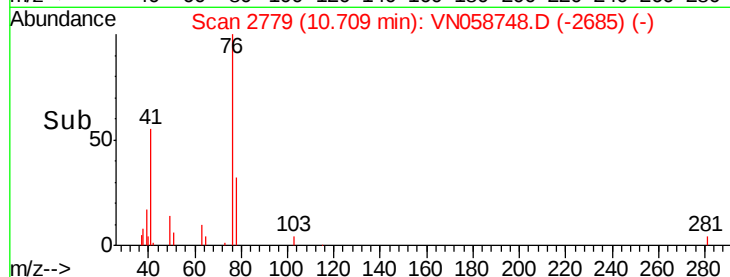
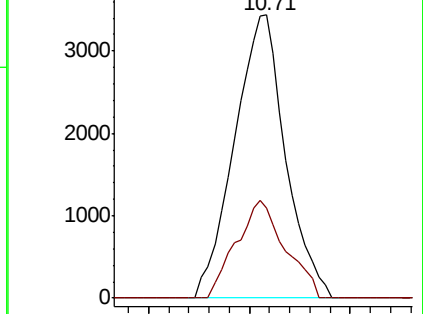
76 100

78 33.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 3.072 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058748.D

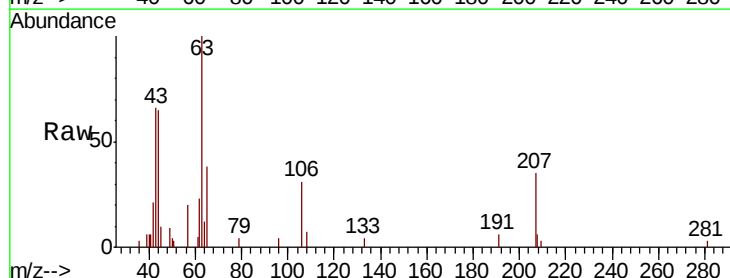
Acq: 14 Oct 2019 14:42

Tgt Ion: 63 Resp: 9932

Ion Ratio Lower Upper

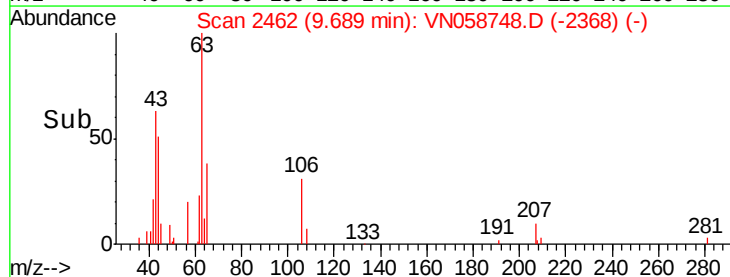
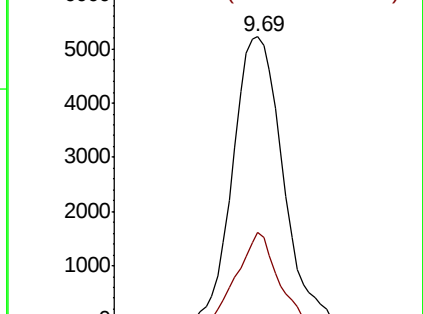
63 100

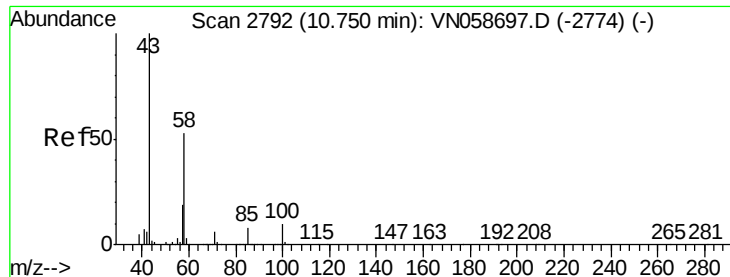
106 24.0 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

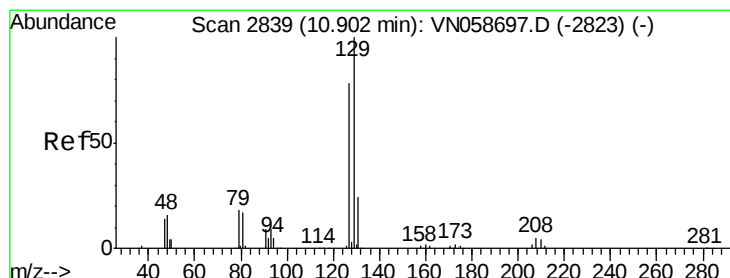
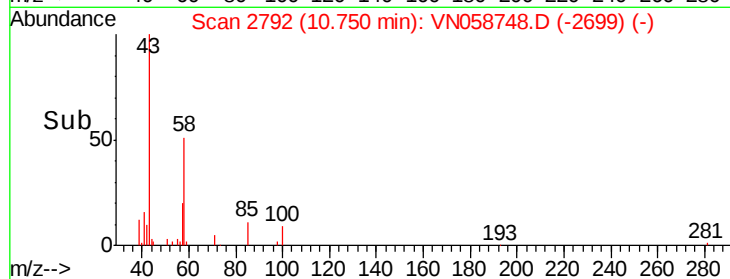
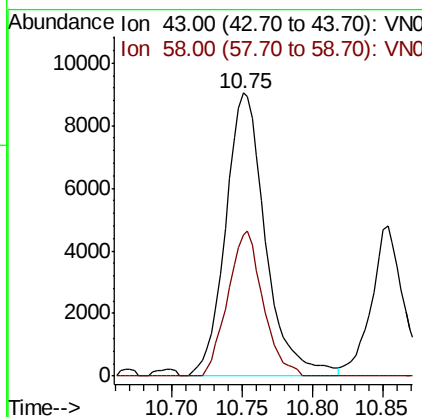
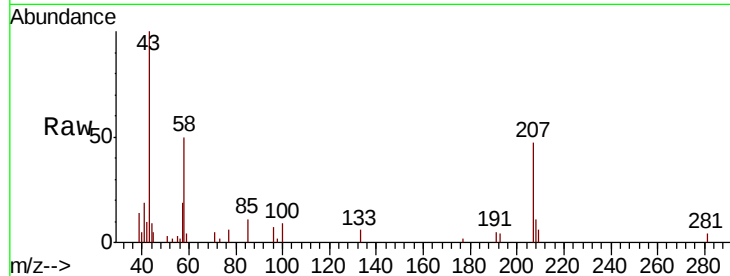




#59
2-Hexanone
Concen: 3.749 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

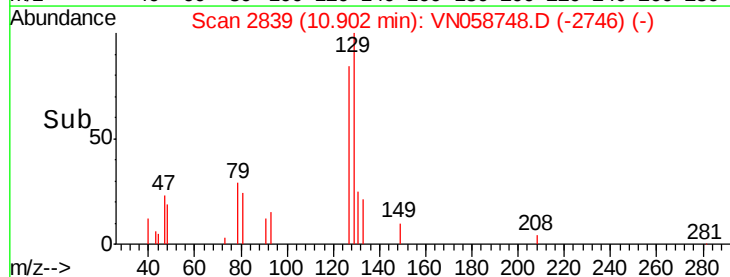
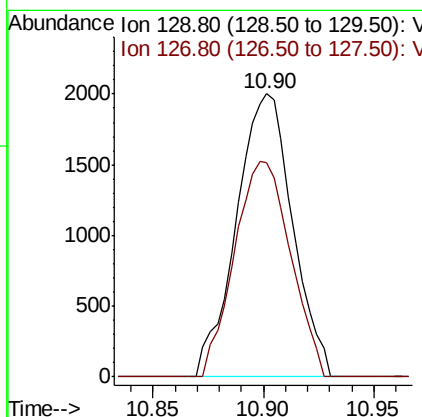
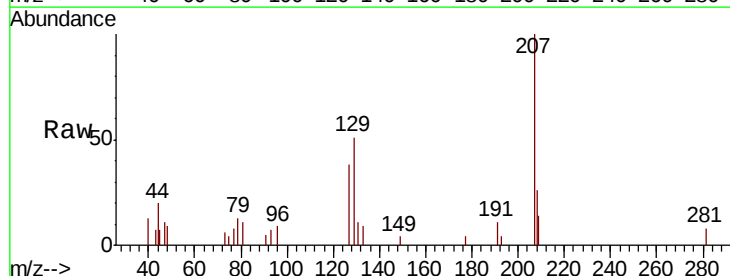
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

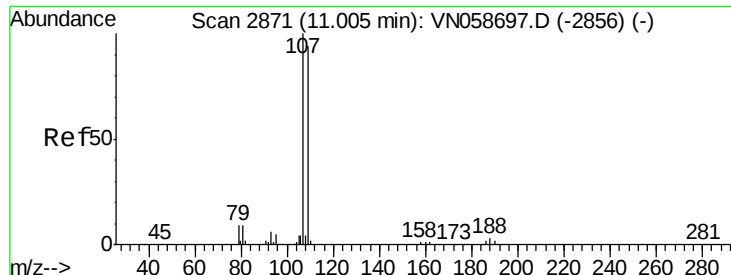
Tot Ion: 43 Resp: 17907
Ion Ratio Lower Upper
43 100
58 44.9 26.1 78.3



#60
Dibromochloromethane
Concen: 0.747 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 129 Resp: 3540
Ion Ratio Lower Upper
129 100
127 76.1 38.5 115.3

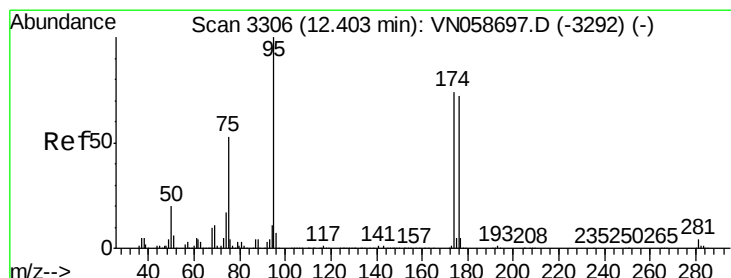
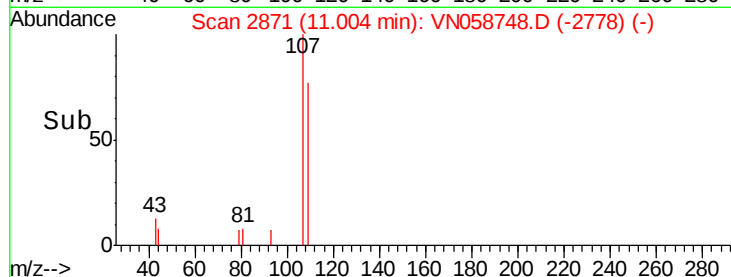
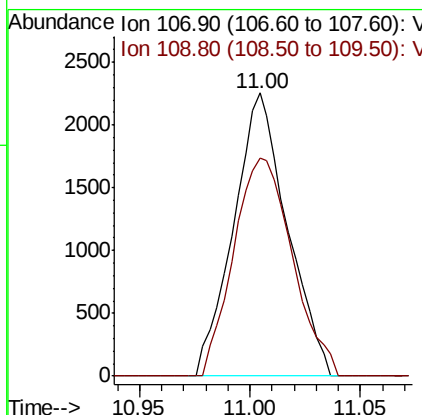
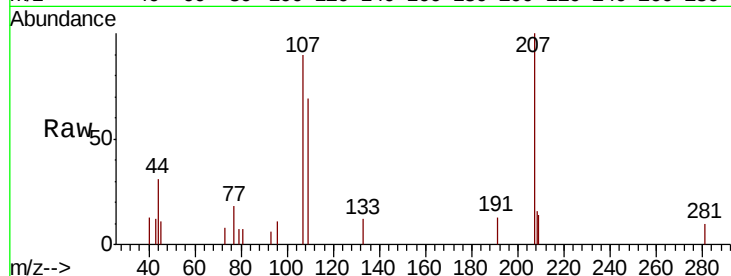




#61
 1,2-Dibromoethane
 Concen: 0.825 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

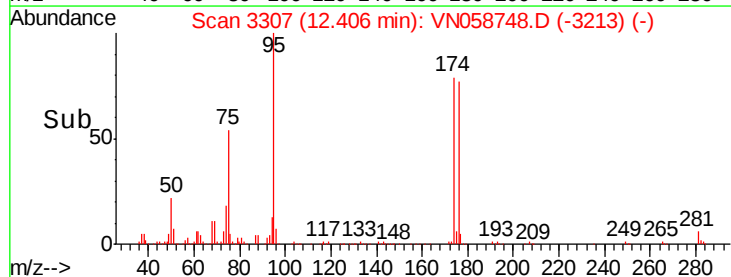
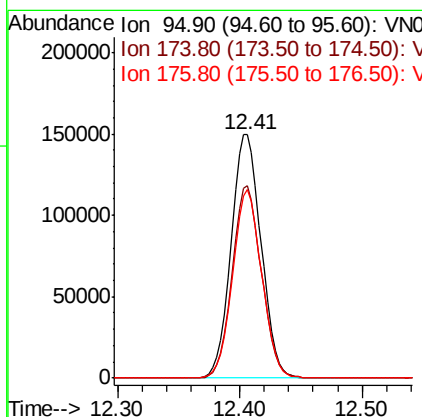
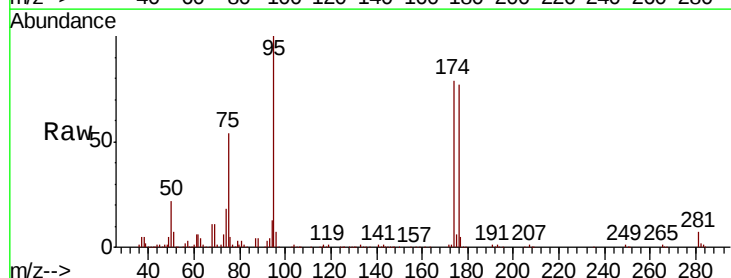
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

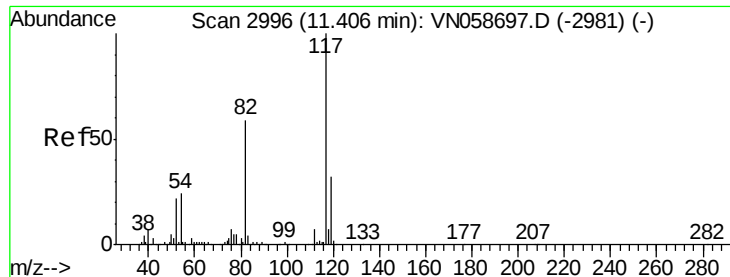
Tot Ion: 107 Resp: 3797
 Ion Ratio Lower Upper
 107 100
 109 84.4 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 43.211 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 95 Resp: 255263
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.4
 176 75.3 0.0 146.8

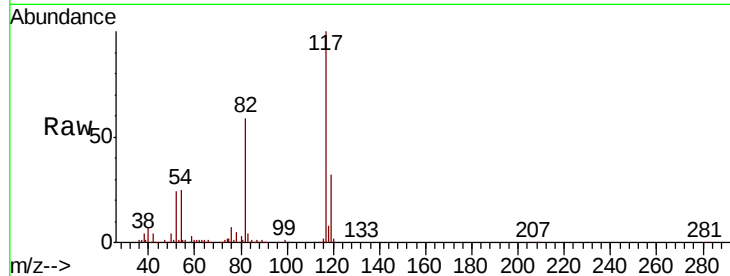




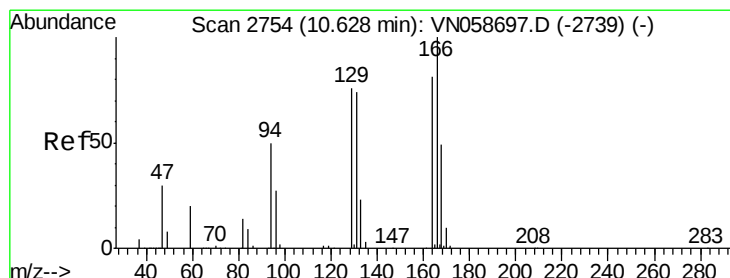
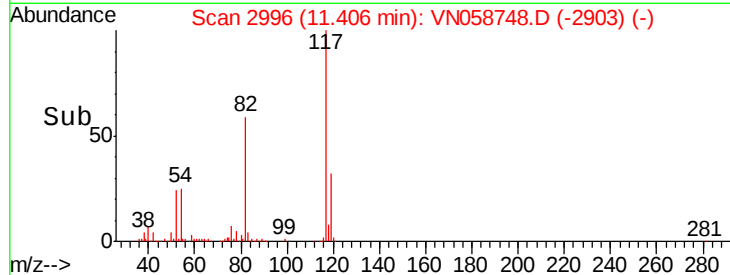
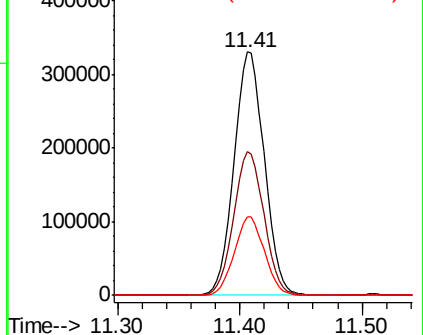
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:117 Resp: 568679
Ion Ratio Lower Upper
117 100
82 58.9 47.0 70.4
119 32.0 25.4 38.2

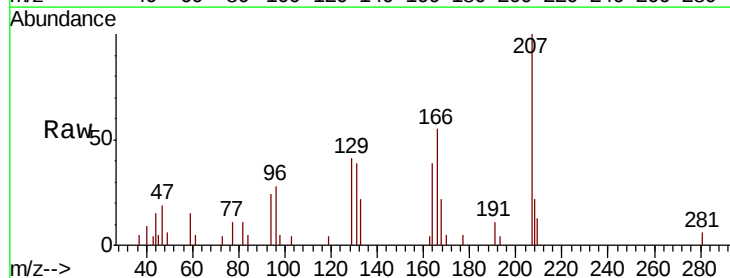


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

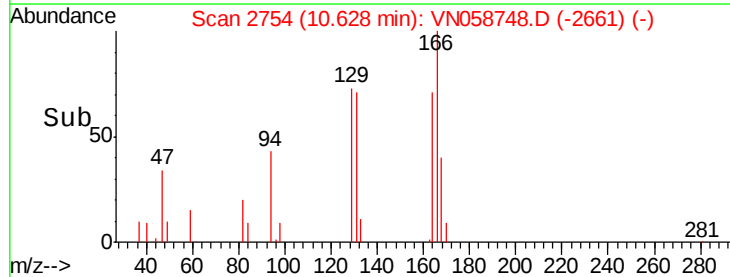
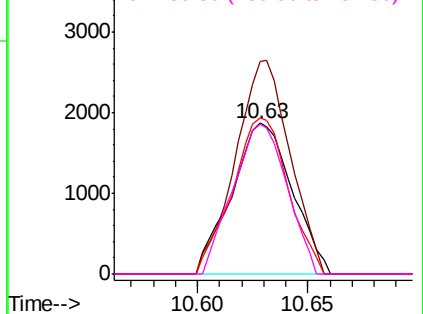


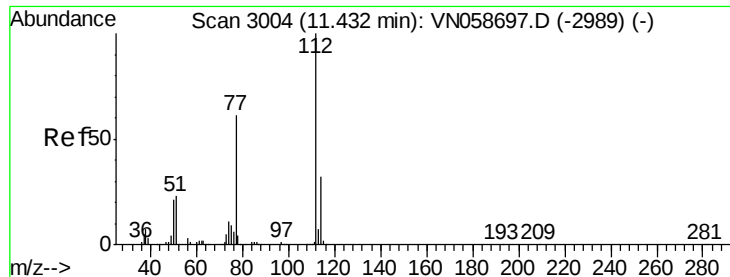
#64
Tetrachloroethene
Concen: 0.894 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion:164 Resp: 3556
Ion Ratio Lower Upper
164 100
166 140.8 99.3 148.9
129 103.3 75.2 112.8
131 99.5 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

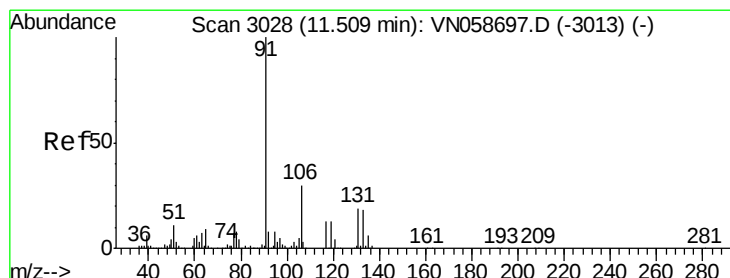
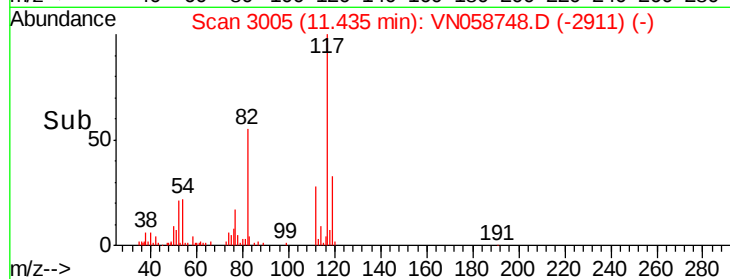
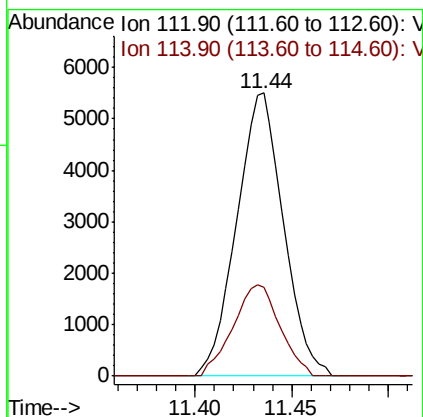
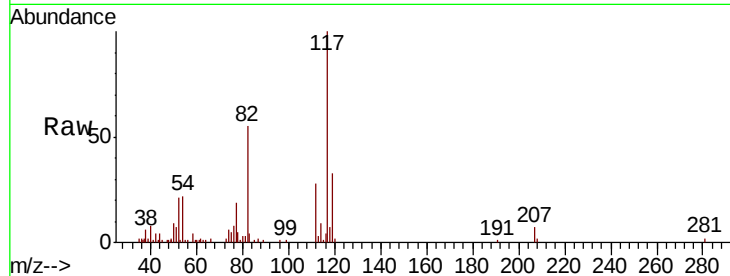




#65
Chlorobenzene
Concen: 0.804 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

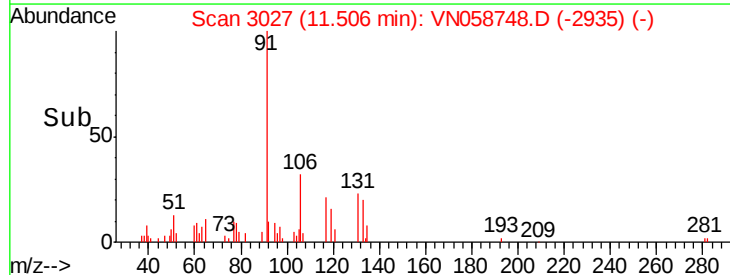
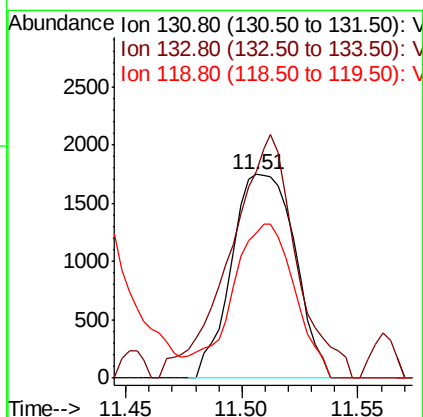
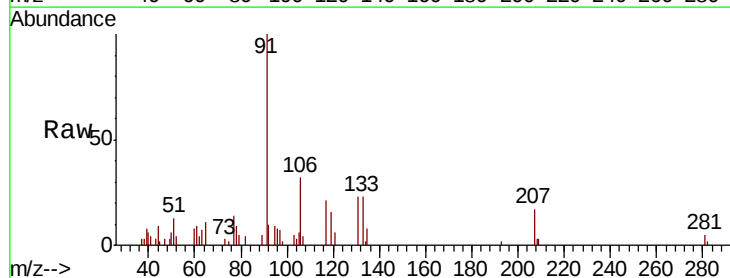
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

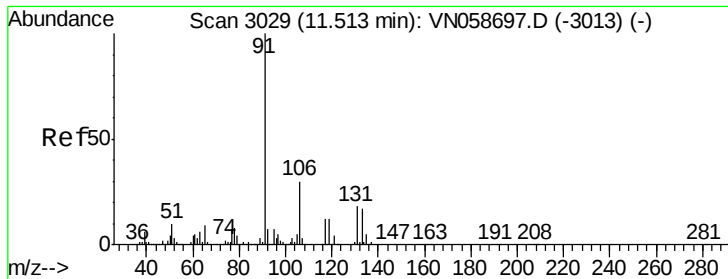
Tot Ion:112 Resp: 9281
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 0.778 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion:131 Resp: 3323
Ion Ratio Lower Upper
131 100
133 124.3 47.6 142.9
119 0.0 33.0 98.9#

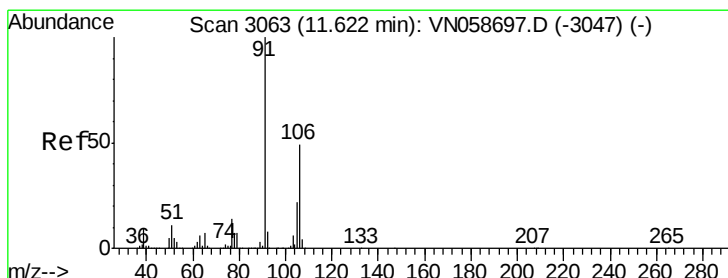
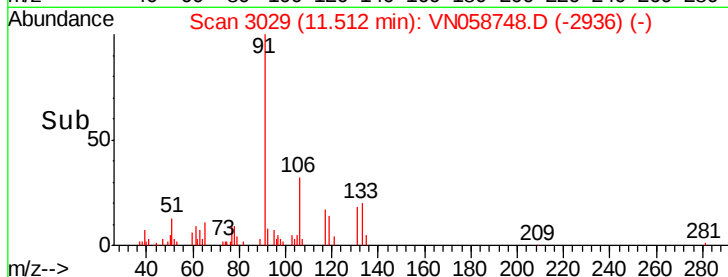
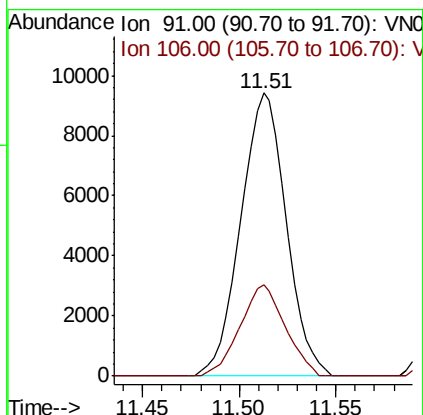
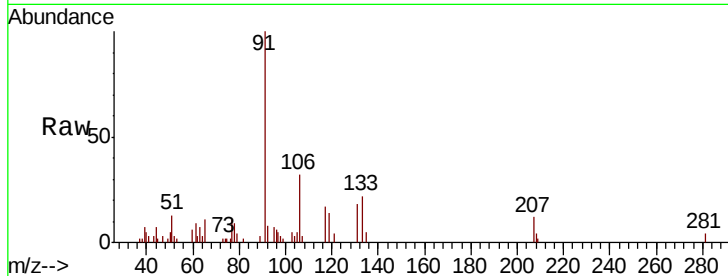




#67
Ethyl Benzene
Concen: 0.749 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

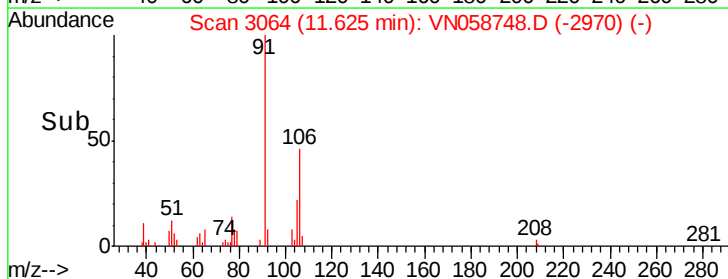
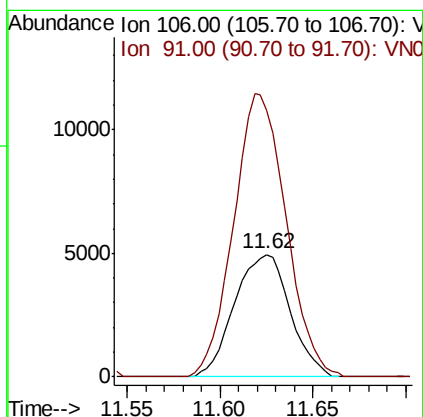
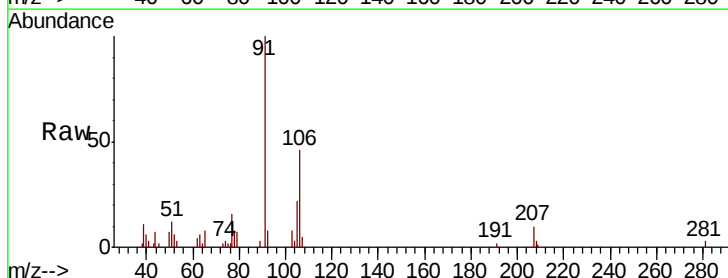
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

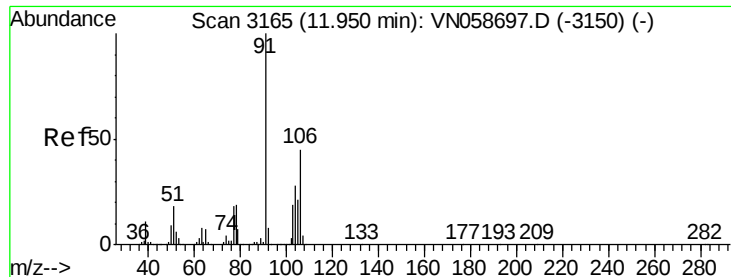
Tot Ion: 91 Resp: 15416
Ion Ratio Lower Upper
91 100
106 32.2 24.1 36.1



#68
m/p-Xylenes
Concen: 1.331 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 106 Resp: 10283
Ion Ratio Lower Upper
106 100
91 218.2 165.7 248.5

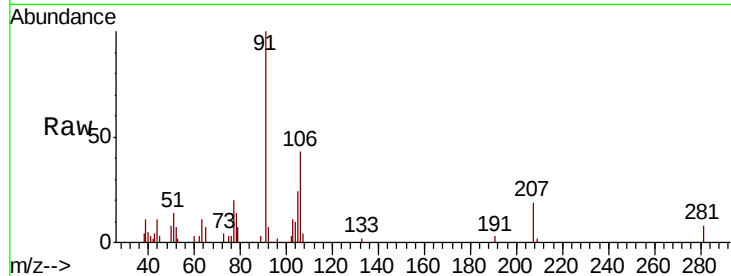




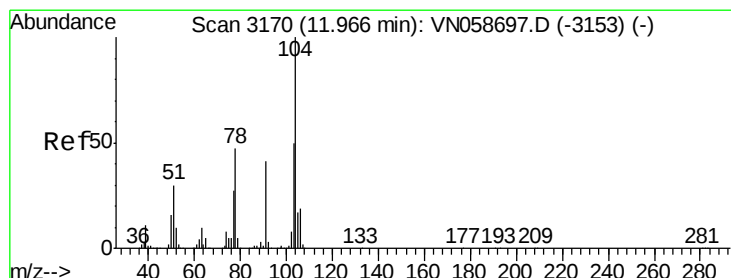
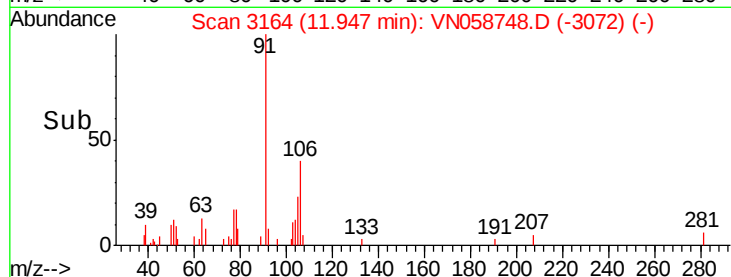
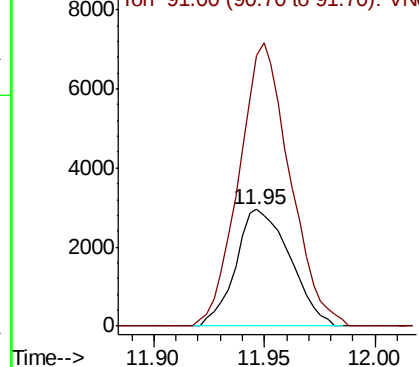
#69
o-Xylene
Concen: 0.673 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:106 Resp: 5034
Ion Ratio Lower Upper
106 100
91 228.0 110.9 332.9

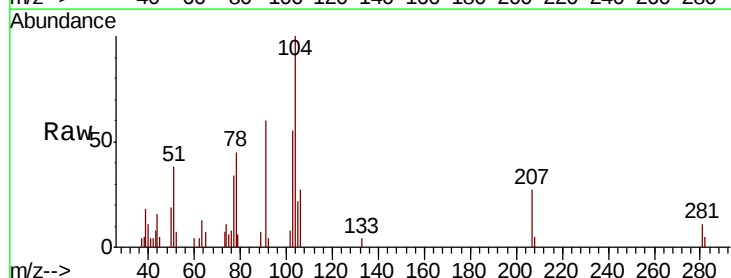


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

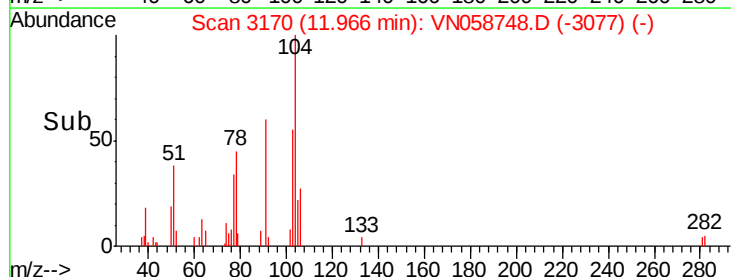
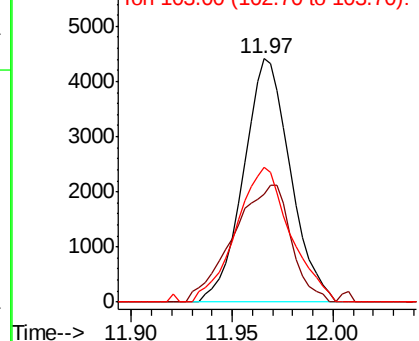


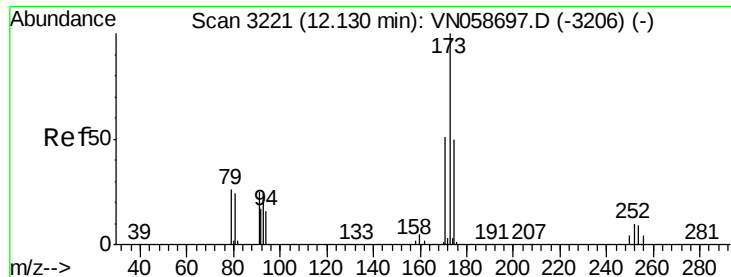
#70
Styrene
Concen: 0.586 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion:104 Resp: 7175
Ion Ratio Lower Upper
104 100
78 59.3 42.2 63.2
103 64.4 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.683 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

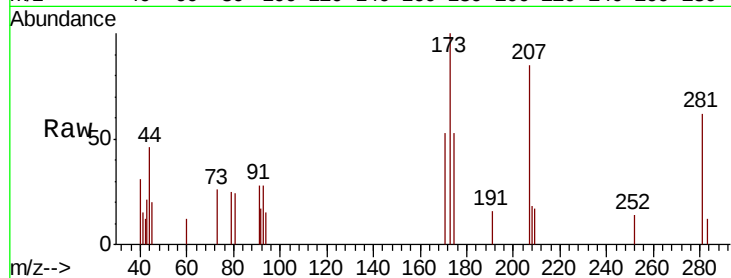
Tot Ion:173 Resp: 2137

Ion Ratio Lower Upper

173 100

175 50.8 24.6 73.8

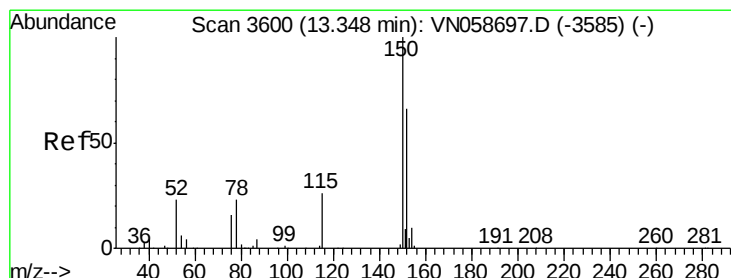
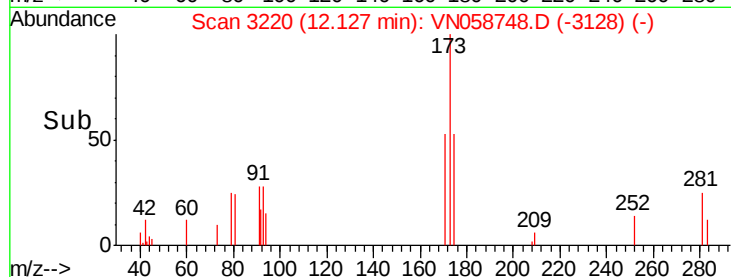
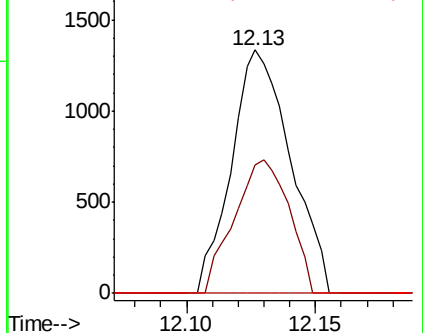
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

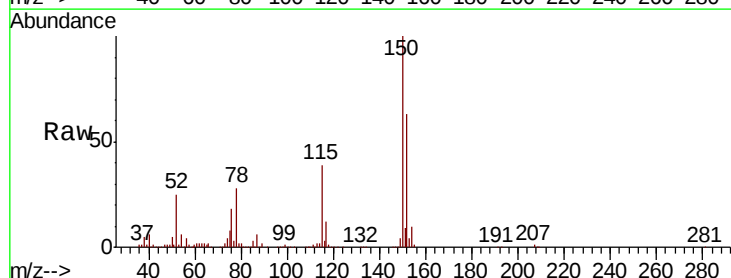
Tgt Ion:152 Resp: 238229

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

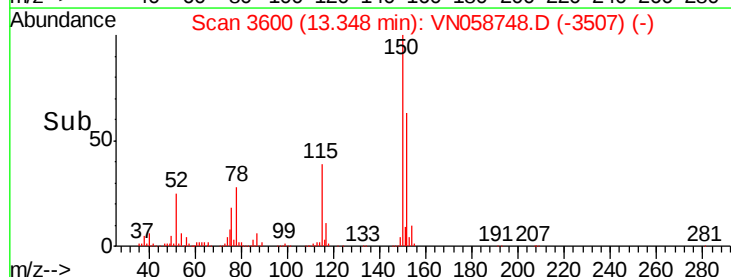
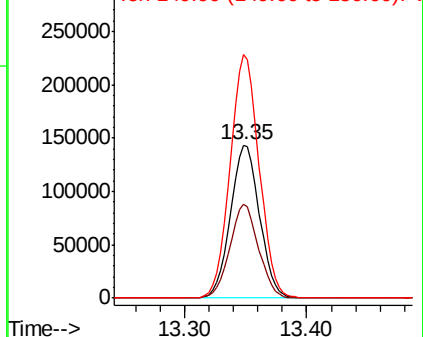
150 158.1 0.0 345.4

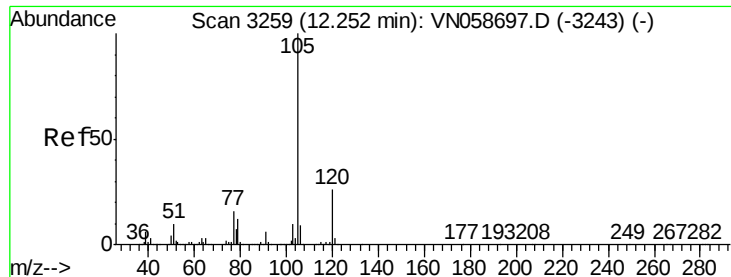


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.767 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

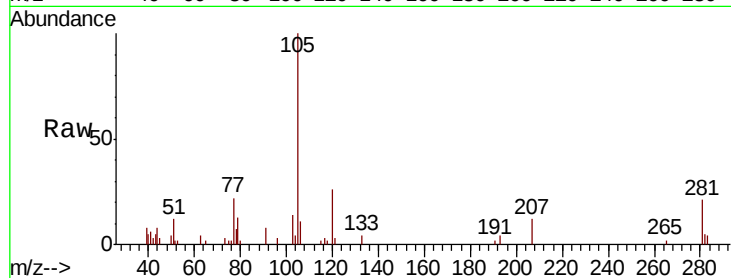
LOD-MDL-WATER-01-QT4-2019

Tot Ion:105 Resp: 13231

Ion Ratio Lower Upper

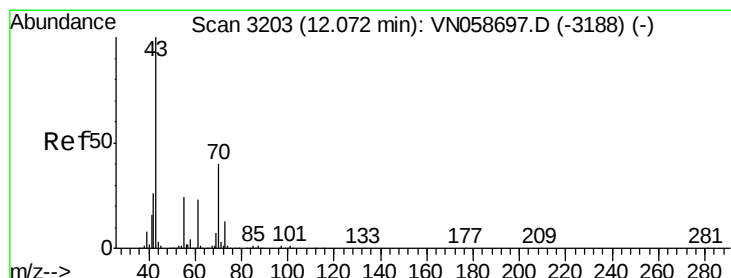
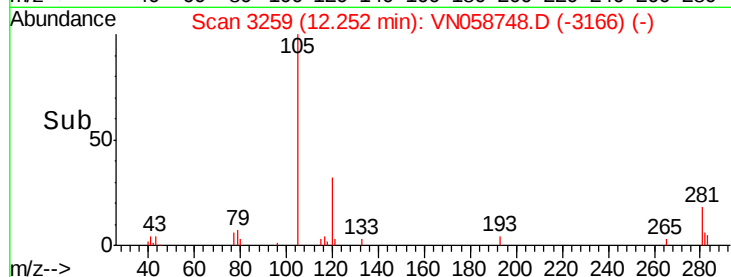
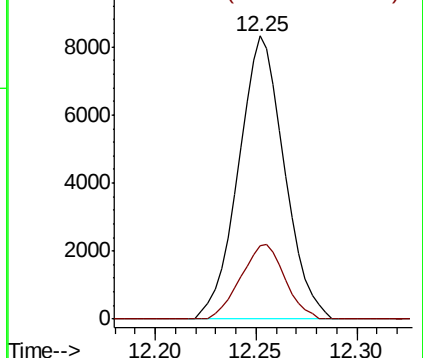
105 100

120 25.4 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.723 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Tgt Ion: 43 Resp: 5603

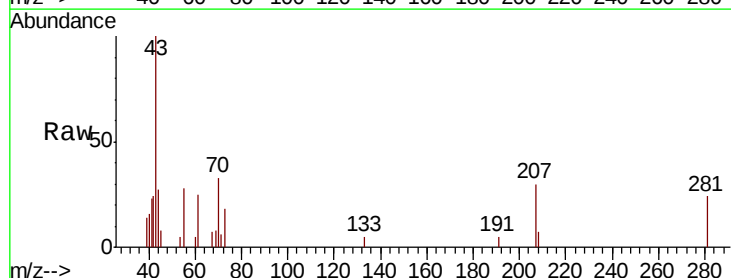
Ion Ratio Lower Upper

43 100

70 36.5 32.2 48.4

55 25.5 19.6 29.4

61 23.9 18.6 28.0

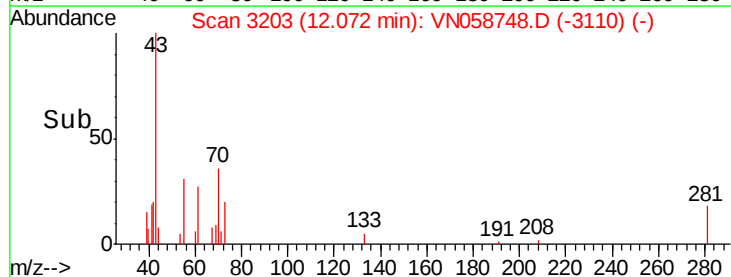
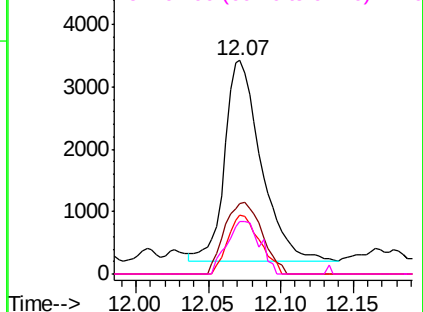


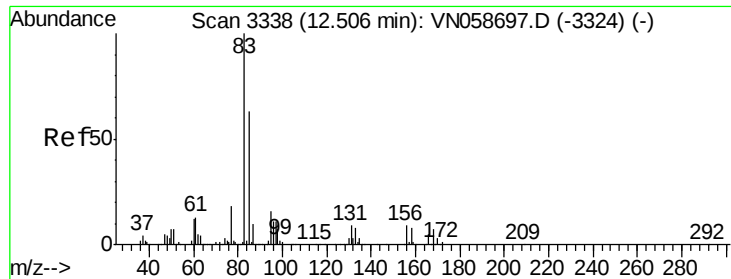
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.928 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

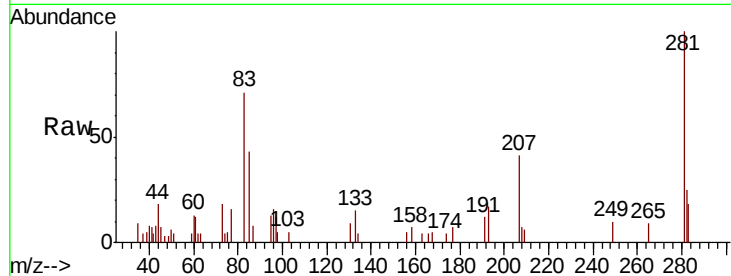
Tot Ion: 83 Resp: 5272

Ion Ratio Lower Upper

83 100

131 10.5 4.8 14.4

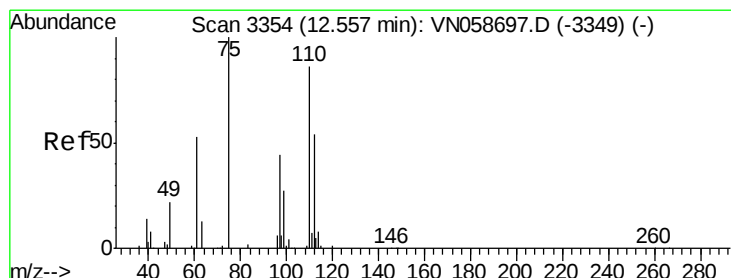
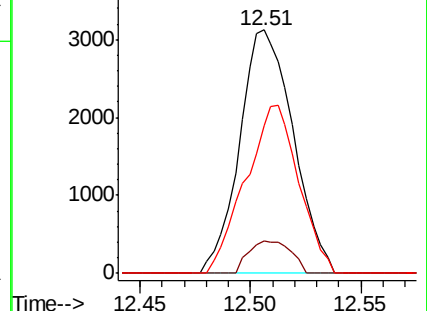
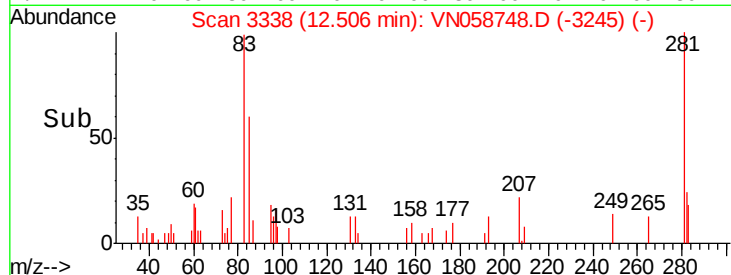
85 68.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.510 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058748.D

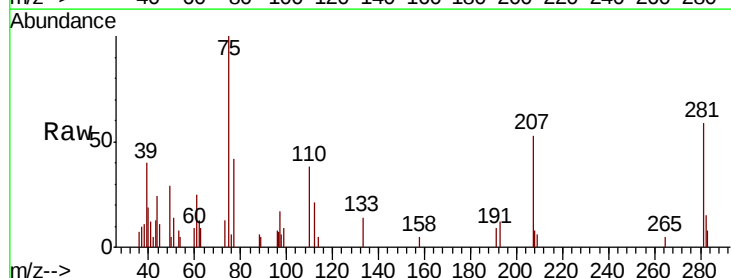
Acq: 14 Oct 2019 14:42

Tgt Ion: 75 Resp: 7893

Ion Ratio Lower Upper

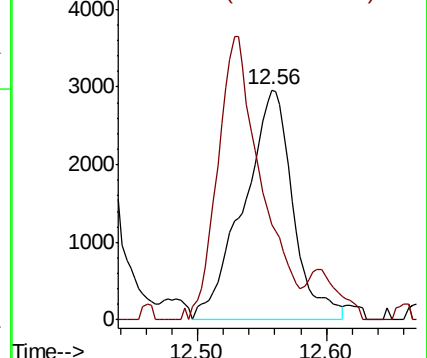
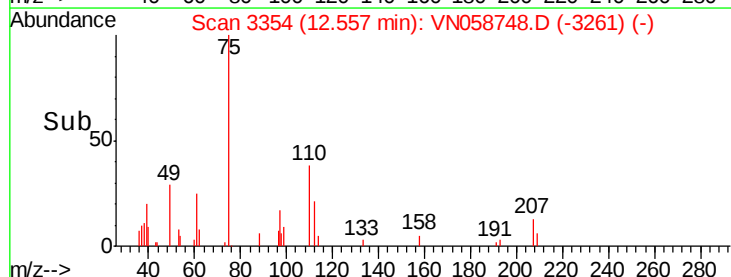
75 100

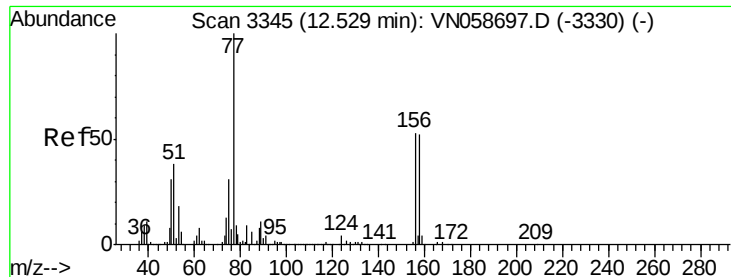
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.885 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

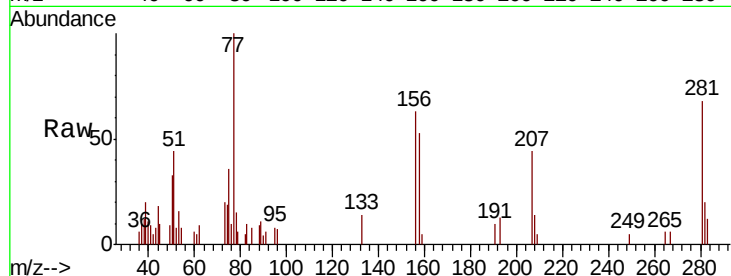
Tot Ion:156 Resp: 3713

Ion Ratio Lower Upper

156 100

77 231.5 115.8 347.3

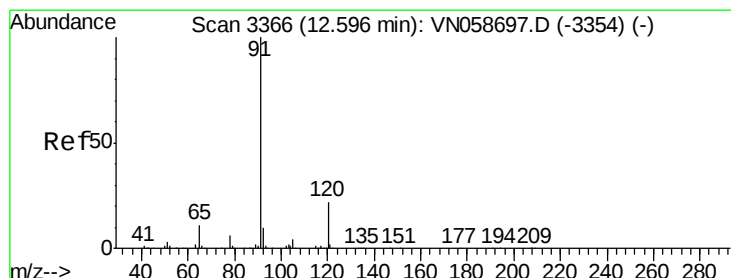
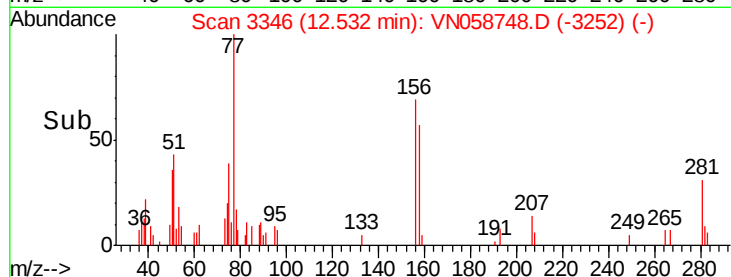
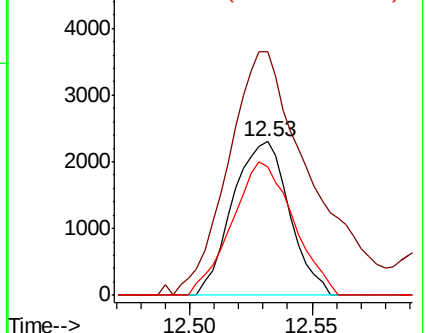
158 94.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.810 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058748.D

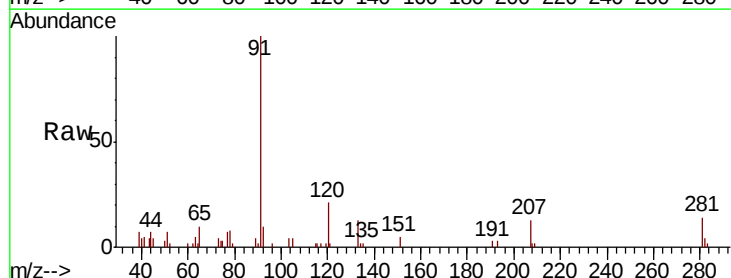
Acq: 14 Oct 2019 14:42

Tgt Ion: 91 Resp: 16294

Ion Ratio Lower Upper

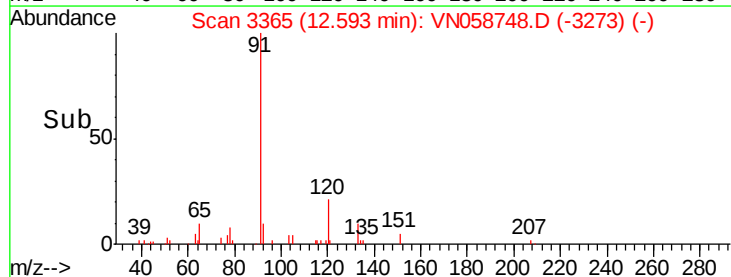
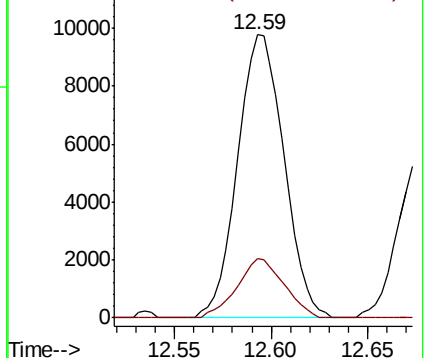
91 100

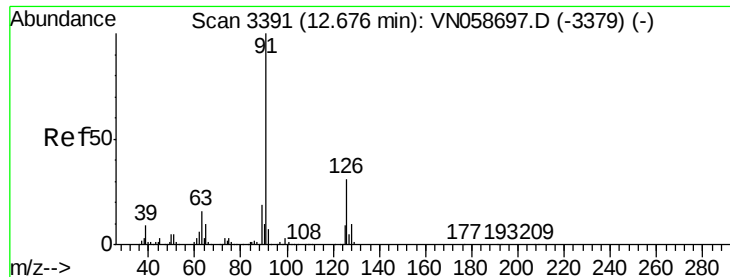
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.789 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

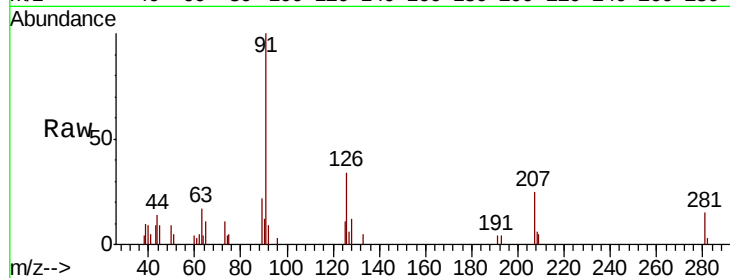
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 91 Resp: 9843

Ion Ratio Lower Upper

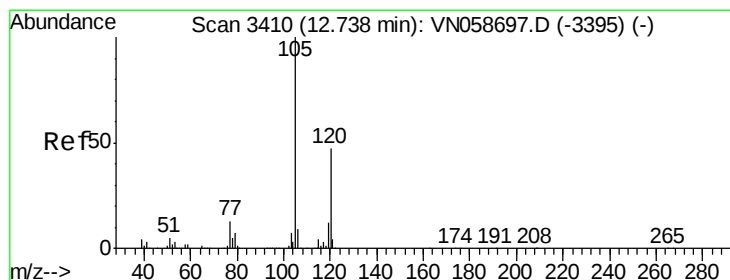
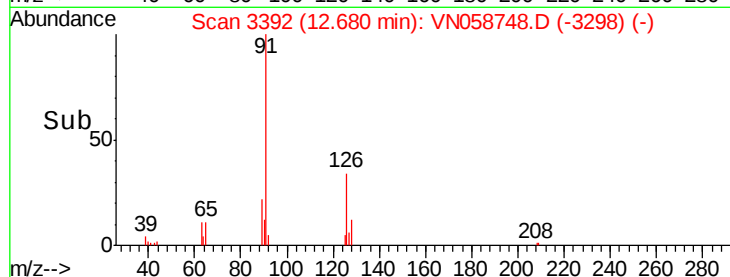
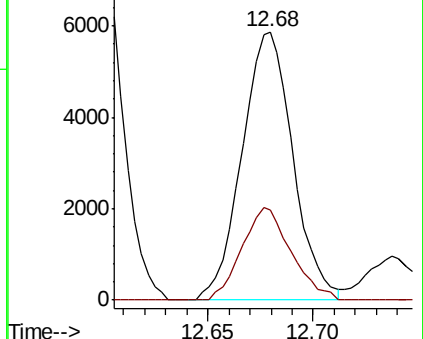
91 100

126 33.2 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058697.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.811 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058748.D

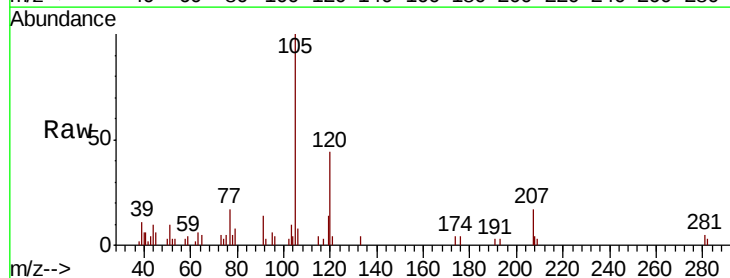
Acq: 14 Oct 2019 14:42

Tgt Ion: 105 Resp: 11950

Ion Ratio Lower Upper

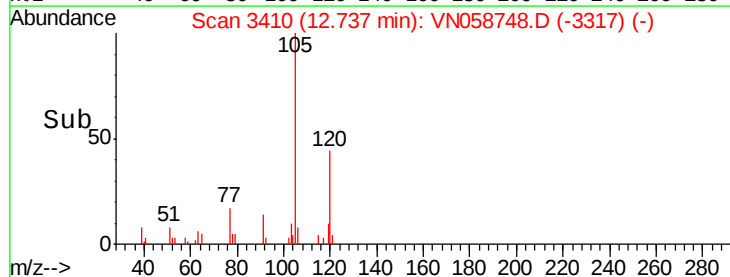
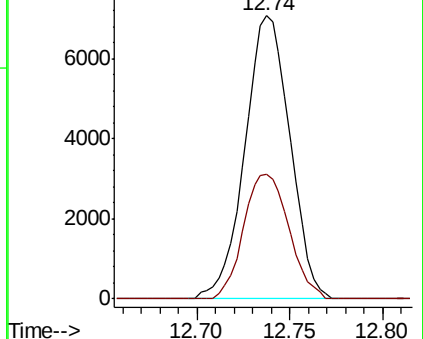
105 100

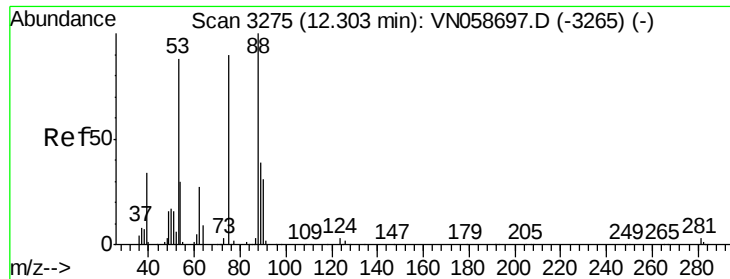
120 44.1 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058697.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN058697.D (-3395) (-)

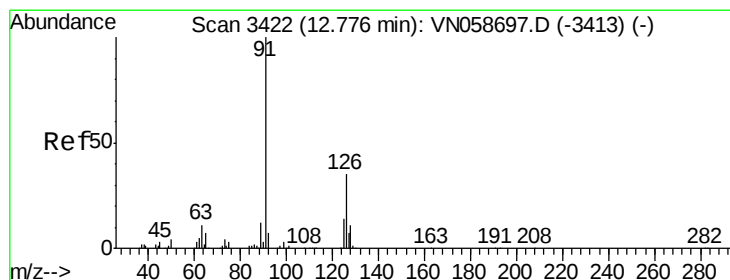
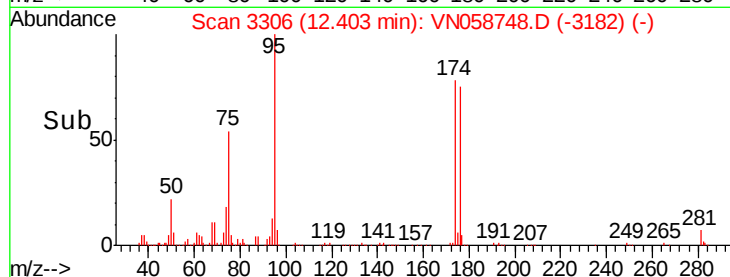
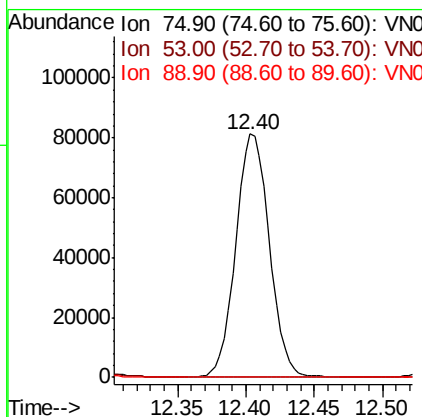
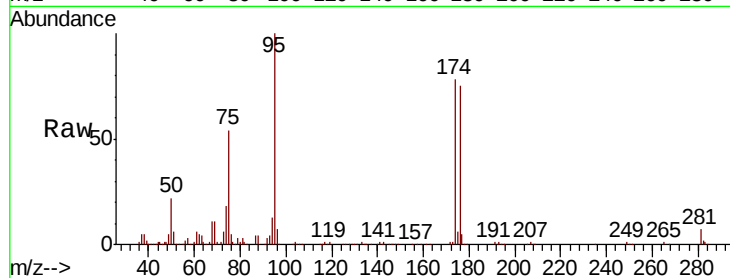




#81
trans-1,4-Dichloro-2-butene
Concen: 71.350 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

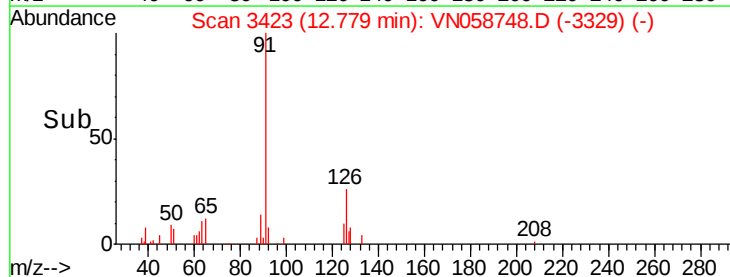
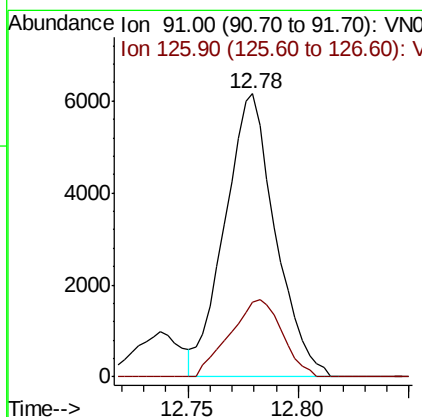
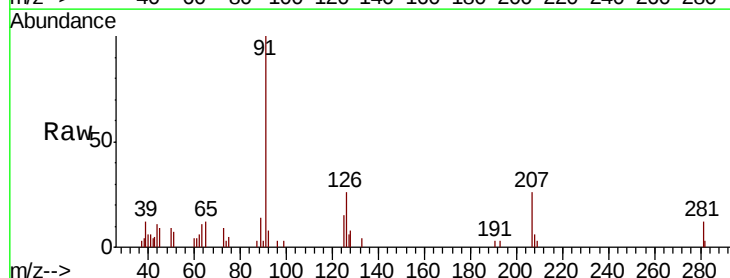
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

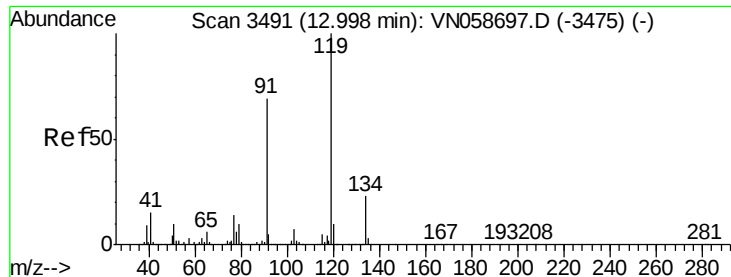
Tot Ion: 75 Resp: 139206
Ion Ratio Lower Upper
75 100
53 0.1 78.4 117.6#
89 0.0 34.9 52.3#



#82
4-Chlorotoluene
Concen: 0.766 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 91 Resp: 9810
Ion Ratio Lower Upper
91 100
126 28.2 15.9 47.6





#83

tert-Butylbenzene

Concen: 0.759 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

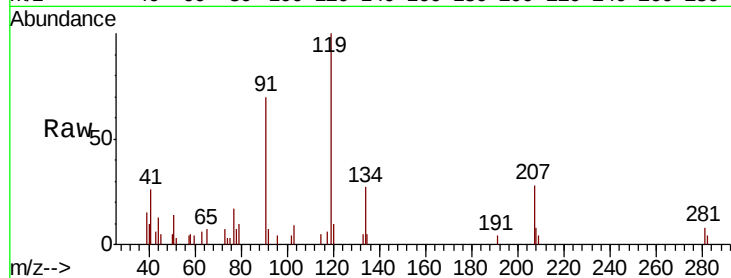
Tot Ion:119 Resp: 9580

Ion Ratio Lower Upper

119 100

91 70.3 33.8 101.3

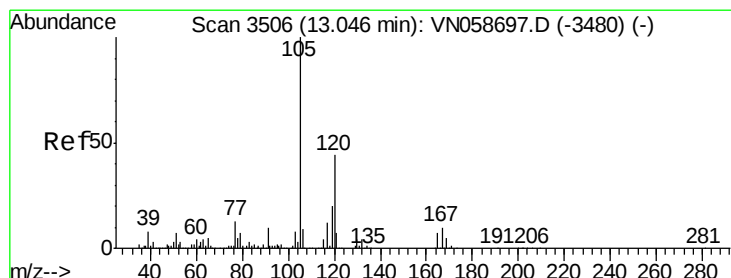
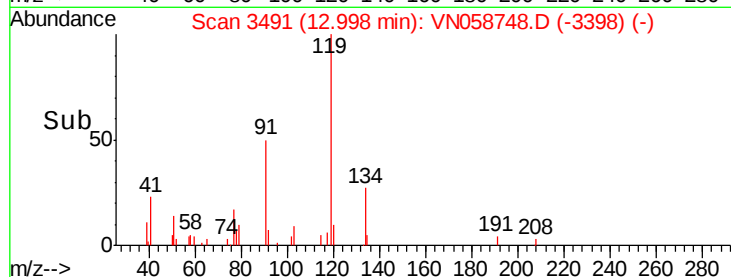
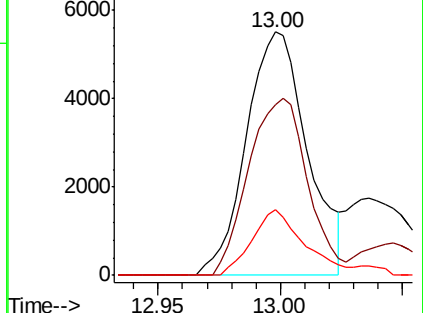
134 23.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.748 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058748.D

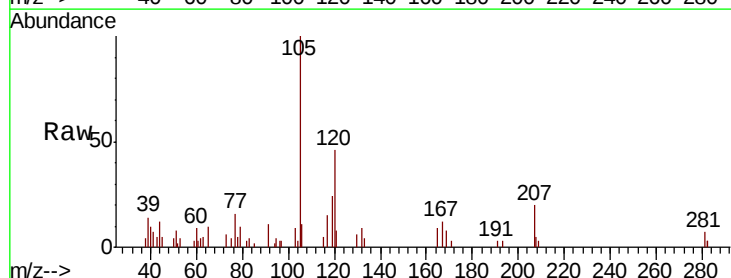
Acq: 14 Oct 2019 14:42

Tgt Ion:105 Resp: 10933

Ion Ratio Lower Upper

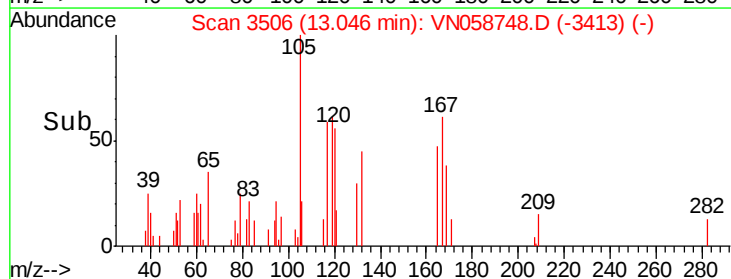
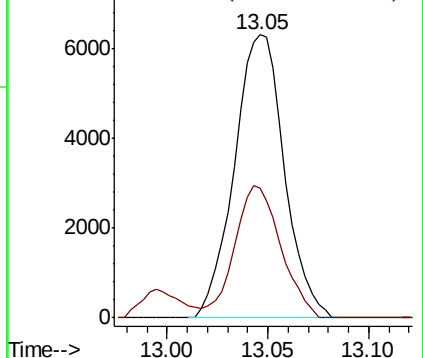
105 100

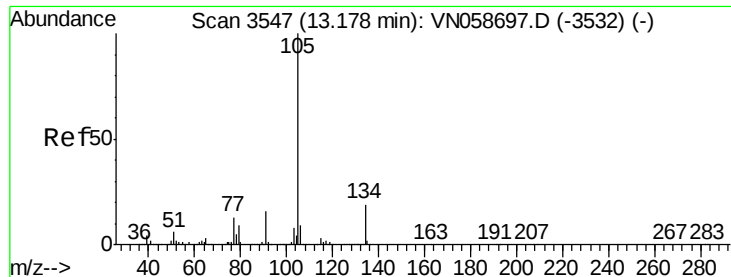
120 43.1 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.751 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Instrument :

MSVOA_N

ClientSampleId :

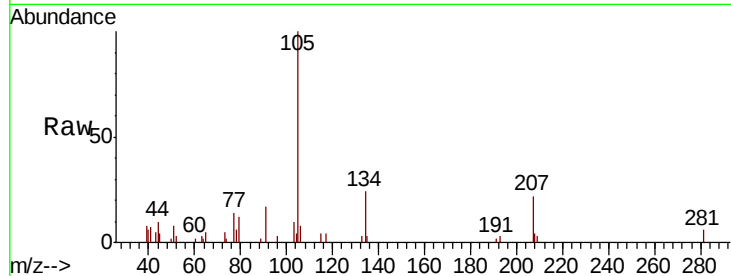
LOD-MDL-WATER-01-QT4-2019

Tot Ion:105 Resp: 12490

Ion Ratio Lower Upper

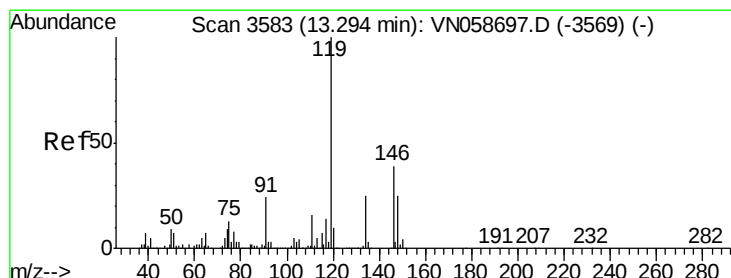
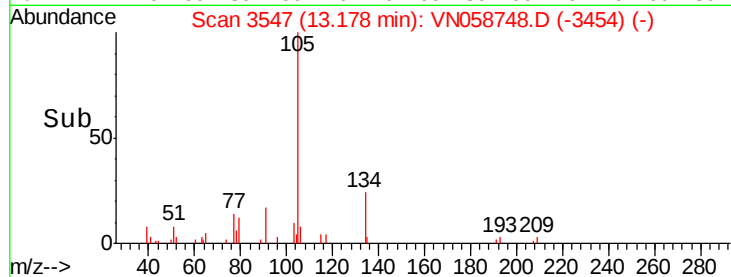
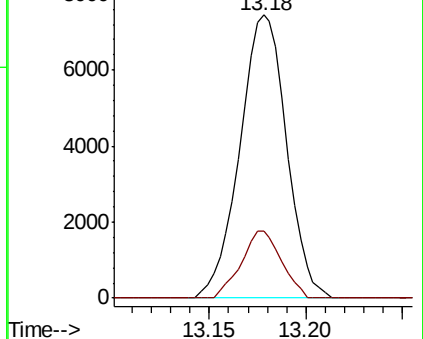
105 100

134 20.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.678 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

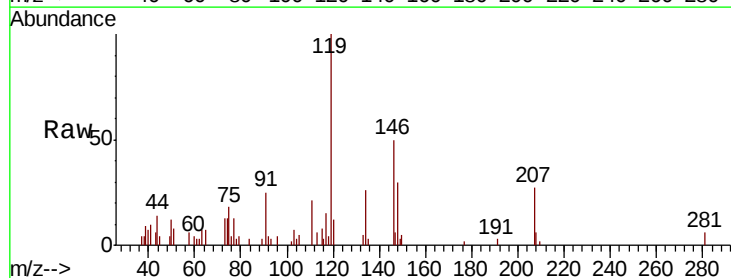
Tgt Ion:119 Resp: 10239

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

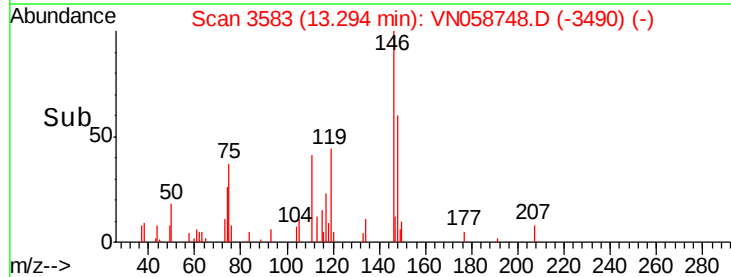
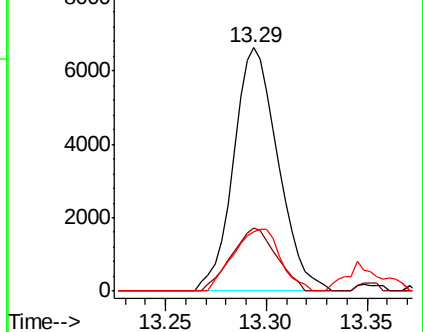
91 27.1 11.9 35.5

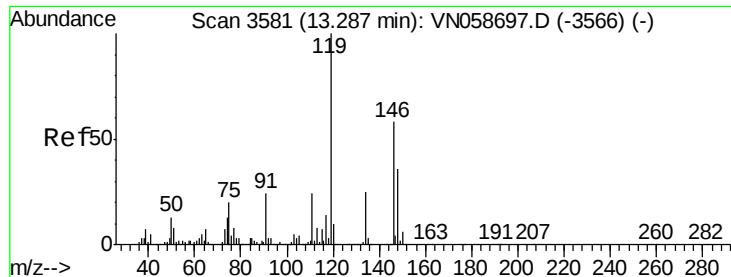


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

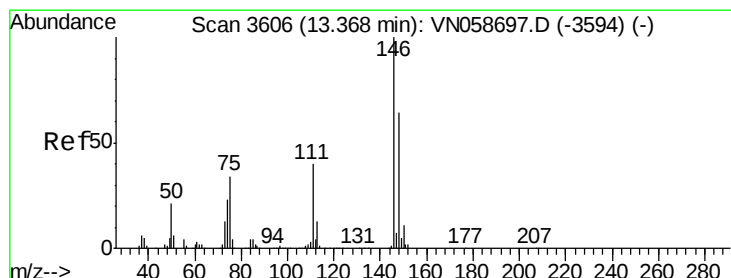
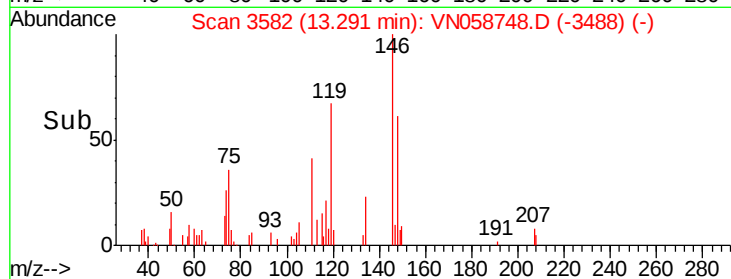
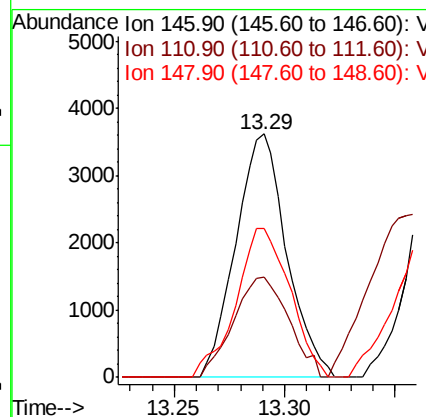
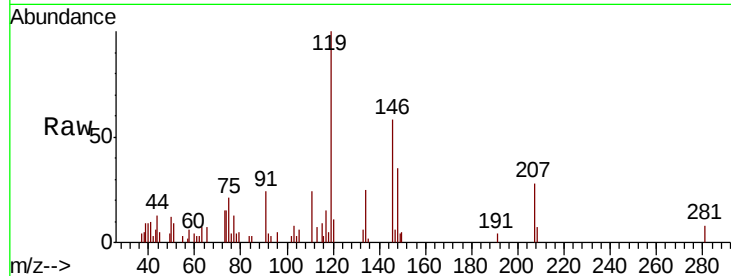




#87
 1,3-Dichlorobenzene
 Concen: 0.748 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

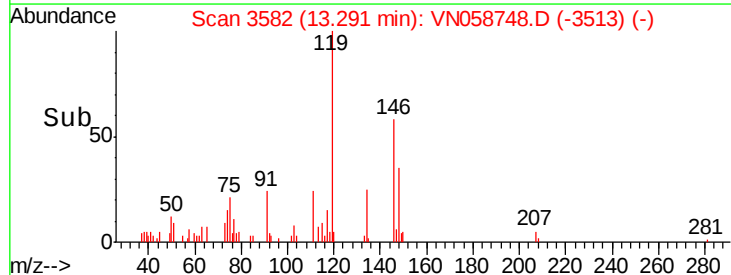
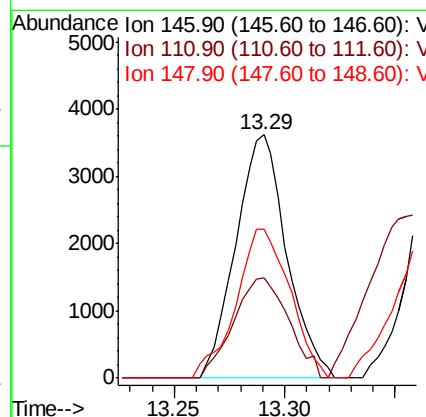
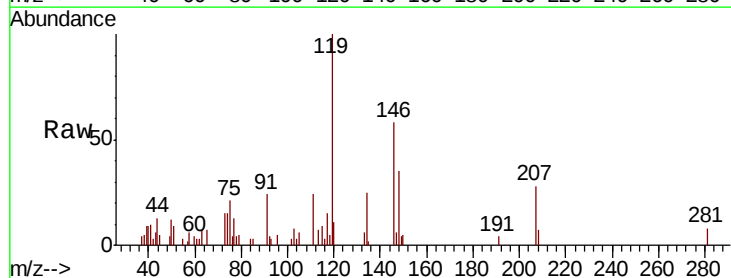
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

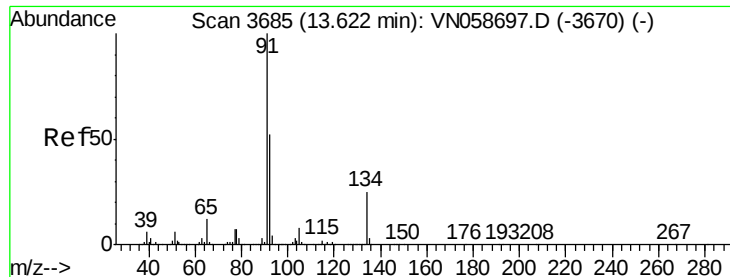
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.5	61.6
148	64.8	31.3	93.9



#88
 1,4-Dichlorobenzene
 Concen: 0.735 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	20.1	60.2
148	64.8	31.9	95.7

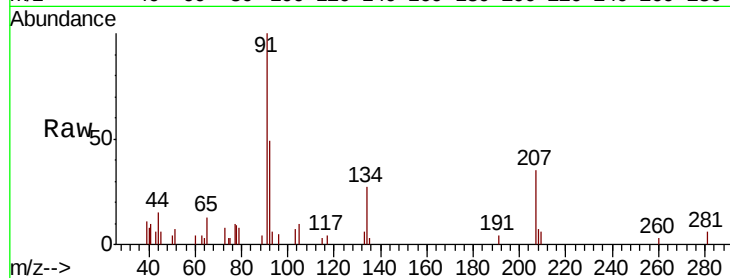




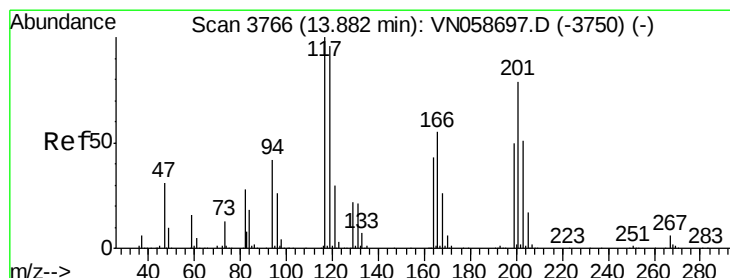
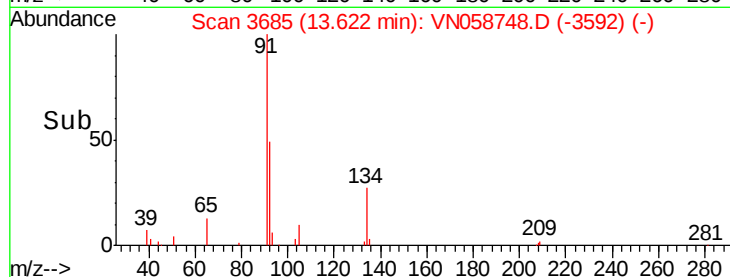
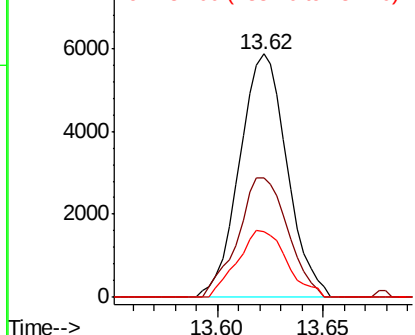
#89
n-Butylbenzene
Concen: 0.656 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 91 Resp: 9171
Ion Ratio Lower Upper
91 100
92 51.7 26.0 78.0
134 28.6 12.2 36.6

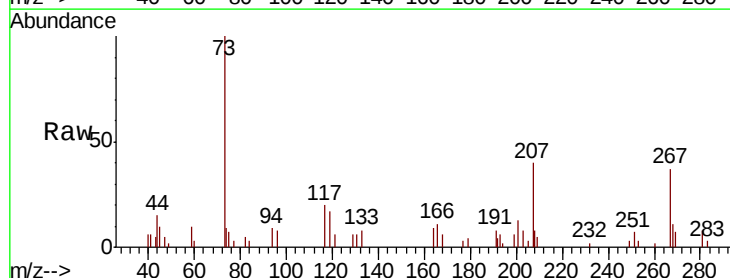


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

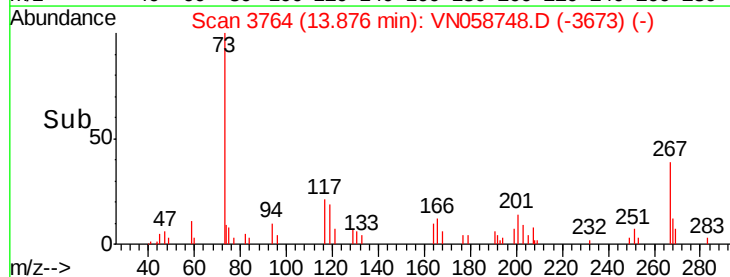
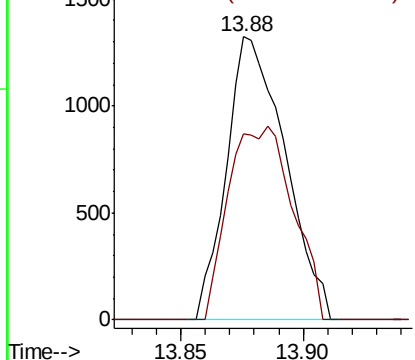


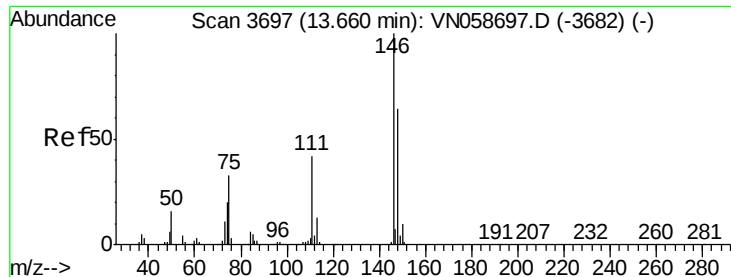
#90
Hexachloroethane
Concen: 0.815 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 117 Resp: 2205
Ion Ratio Lower Upper
117 100
201 75.4 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

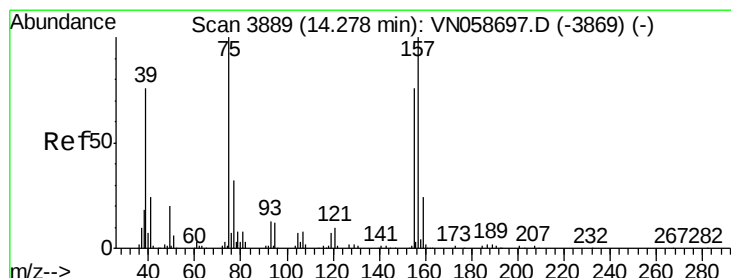
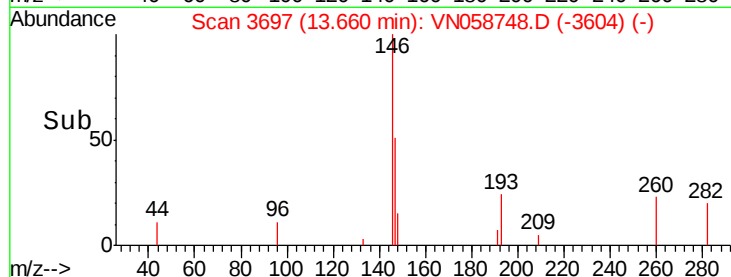
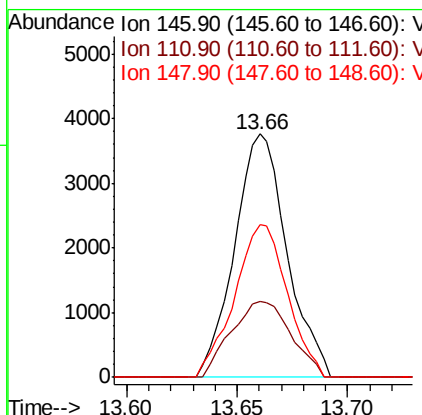
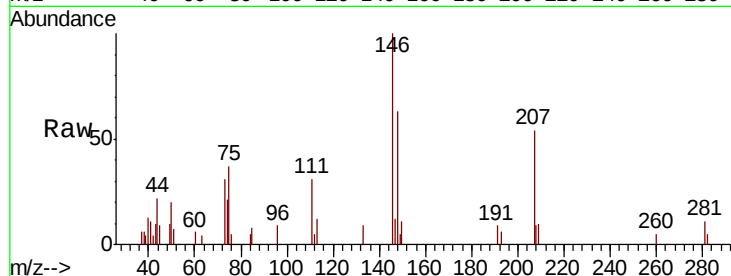




#91
 1,2-Dichlorobenzene
 Concen: 0.823 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

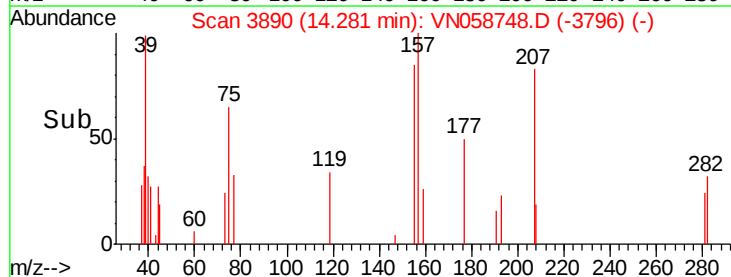
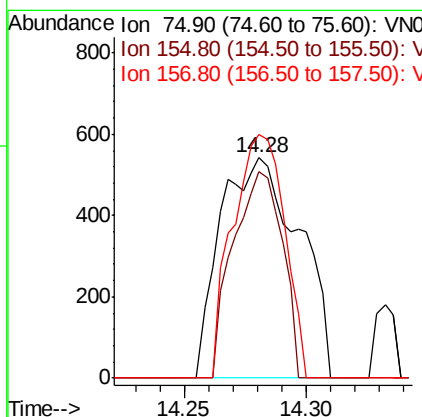
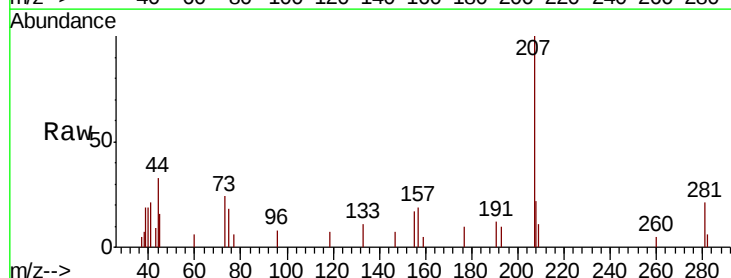
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

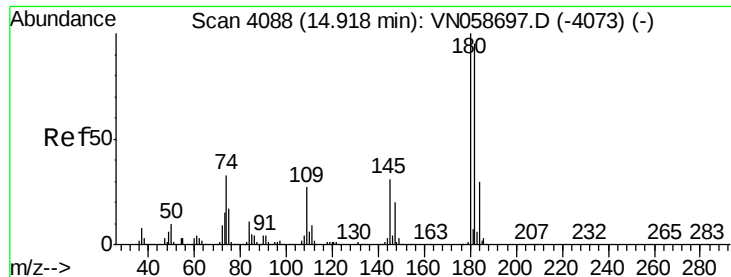
Tot Ion:146 Resp: 6208
 Ion Ratio Lower Upper
 146 100
 111 35.5 21.1 63.4
 148 63.2 31.8 95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.912 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion: 75 Resp: 1211
 Ion Ratio Lower Upper
 75 100
 155 58.7 37.9 113.6
 157 73.2 49.4 148.2

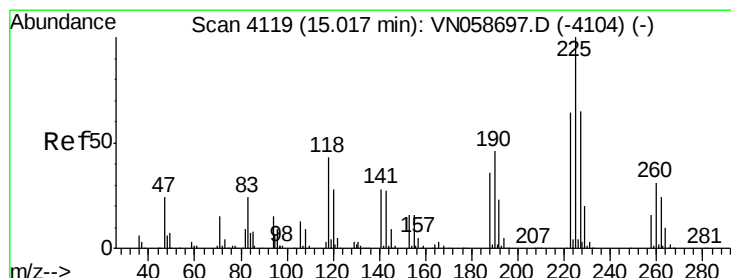
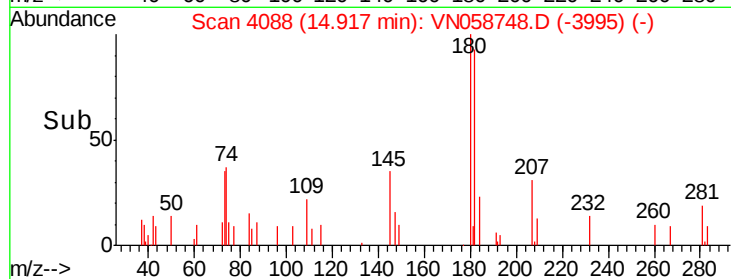
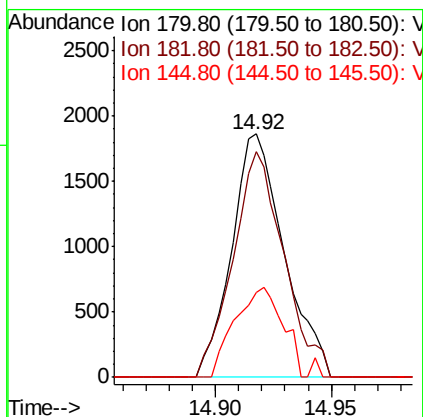
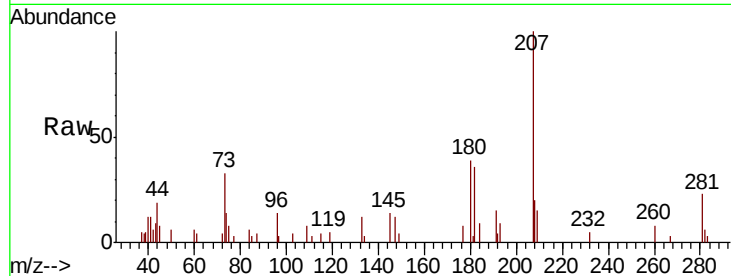




#93
 1,2,4-Trichlorobenzene
 Concen: 0.637 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

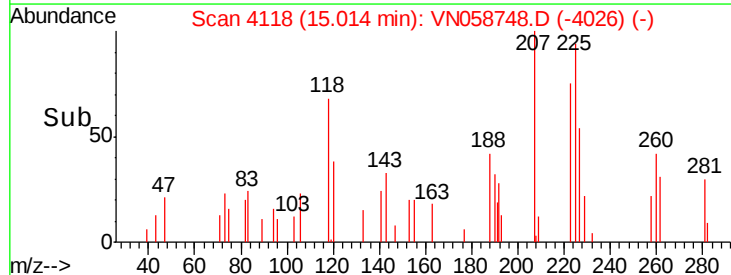
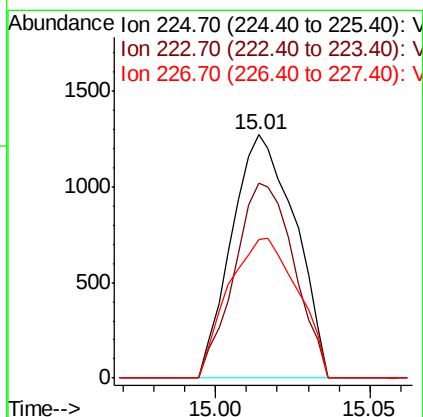
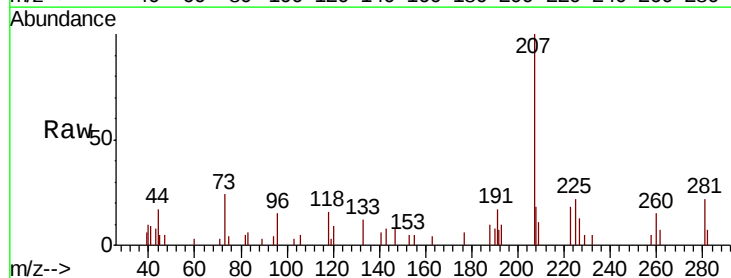
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

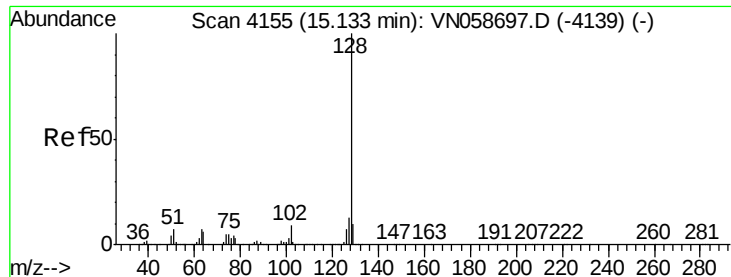
Tot Ion:180 Resp: 2929
 Ion Ratio Lower Upper
 180 100
 182 89.9 47.4 142.2
 145 33.8 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 0.746 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion:225 Resp: 1808
 Ion Ratio Lower Upper
 225 100
 223 75.2 32.3 96.8
 227 63.1 32.4 97.0

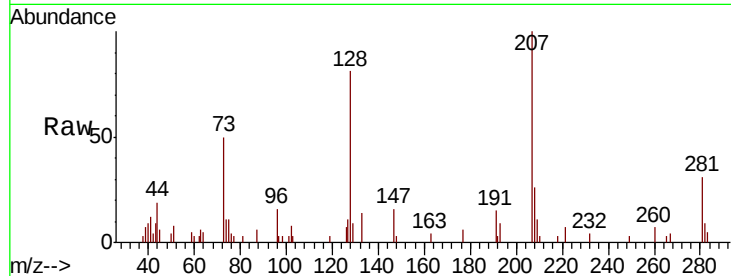




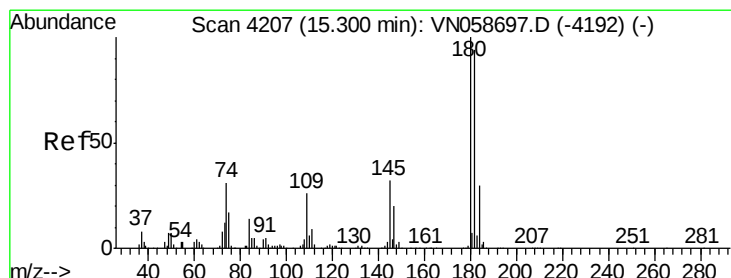
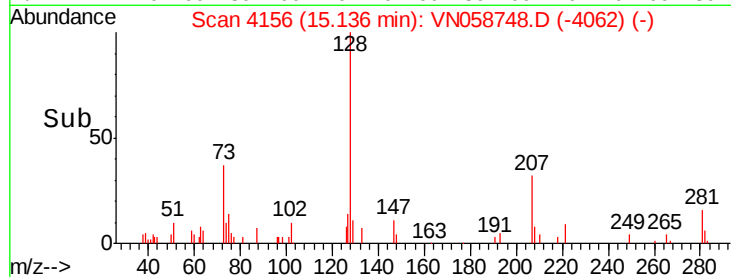
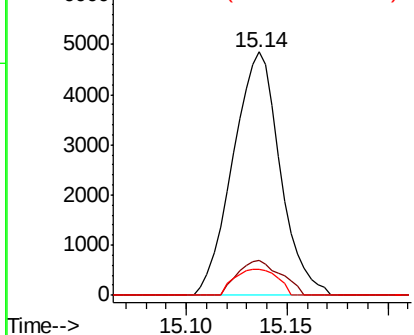
#95
Naphthalene
Concen: 0.600 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

Tot Ion:128 Resp: 7933
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 9.8 8.5 12.7

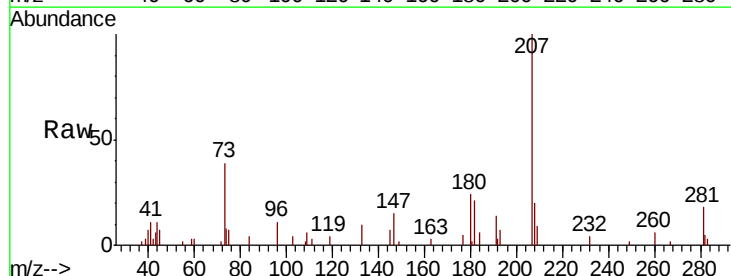


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 0.673 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion:180 Resp: 3024
Ion Ratio Lower Upper
180 100
182 95.4 47.3 142.0
145 34.9 16.2 48.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

