

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058752.D
 Acq On : 14 Oct 2019 16:11
 Operator : JC/SP
 Sample : K5111-07 0.2PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Oct 15 03:11:39 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	385740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645027	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	583200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244221	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	311264	57.64	ug/l	0.00
Spiked Amount			Recovery	=	115.28%	
35) Dibromofluoromethane	7.58	113	217432	54.57	ug/l	0.00
Spiked Amount			Recovery	=	109.14%	
50) Toluene-d8	10.08	98	801701	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.41	95	276688	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	1149	0.239	ug/l	96
3) Chloromethane	2.04	50	1744	0.305	ug/l	96
4) Vinyl Chloride	2.17	62	1237	0.217	ug/l #	84
5) Bromomethane	2.55	94	1181	0.341	ug/l	87
6) Chloroethane	2.69	64	976	0.278	ug/l #	73
7) Trichlorofluoromethane	3.00	101	1536	0.226	ug/l	96
10) Methyl Iodide	3.93	142	1165	0.220	ug/l #	78
11) Tert butyl alcohol	4.77	59	684	0.782	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	918	0.248	ug/l #	61
13) Acrolein	3.58	56	352	0.500	ug/l #	40
15) Acrylonitrile	4.96	53	478	0.217	ug/l #	17
16) Acetone	3.81	43	3792	1.696	ug/l #	86
17) Carbon Disulfide	4.02	76	3542	0.299	ug/l #	75
18) Methyl Acetate	4.31	43	2580	0.455	ug/l #	67
20) Methylene Chloride	4.53	84	1032	0.221	ug/l #	70
23) Vinyl Acetate	5.88	43	11181	0.953	ug/l	100
25) 2-Butanone	6.82	43	2238	0.693	ug/l	98
26) 2,2-Dichloropropane	6.80	77	2706	0.358	ug/l #	59
27) cis-1,2-Dichloroethene	6.82	96	1137	0.235	ug/l	67
29) Tetrahydrofuran	7.19	42	1040	0.498	ug/l #	46
31) Cyclohexane	7.65	56	10519	1.328	ug/l #	16
32) 1,1,1-Trichloroethane	7.55	97	1546	0.218	ug/l #	50
36) 1,1-Dichloropropene	7.78	75	1781	0.273	ug/l #	50
38) Carbon Tetrachloride	7.75	117	1574	0.248	ug/l #	80
39) Methylcyclohexane	9.07	83	1624	0.215	ug/l #	84
40) Benzene	8.03	78	4515	0.241	ug/l	94
42) 1,2-Dichloroethane	8.10	62	1442	0.200	ug/l	83
43) Isopropyl Acetate	8.16	43	2712	0.241	ug/l #	72
44) Trichloroethene	8.82	130	1133	0.244	ug/l	66
45) 1,2-Dichloropropane	9.11	63	1100	0.219	ug/l #	45
46) Dibromomethane	9.20	93	759	0.239	ug/l #	26
47) Bromodichloromethane	9.38	83	1571	0.243	ug/l #	75
48) Methyl methacrylate	9.19	41	1156	0.227	ug/l #	63
49) 1,4-Dioxane	9.20	88	296	3.757	ug/l #	58

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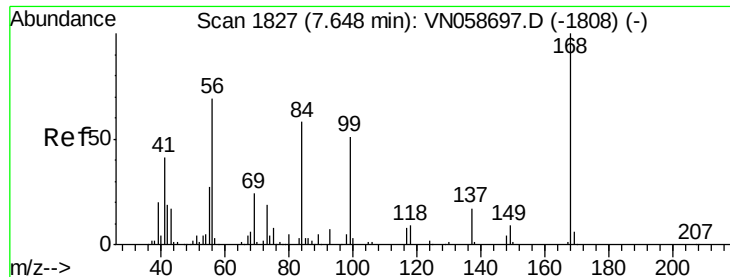
Instrument :
 MSVOA_N
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 LOD-MDL-WATER-01-QT4-2019

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

51) 4-Methyl-2-Pentanone	9.98	43	6420	1.017	ug/l	94
52) Toluene	10.16	92	2351	0.205	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	2392	0.322	ug/l #	1
54) cis-1,3-Dichloropropene	9.83	75	1581	0.201	ug/l #	53
55) 1,1,2-Trichloroethane	10.56	97	1112	0.237	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	1940	0.243	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.69	63	2561	0.776	ug/l #	84
59) 2-Hexanone	10.75	43	5125	1.051	ug/l	84
64) Tetrachloroethene	10.63	164	1256	0.308	ug/l #	85
65) Chlorobenzene	11.43	112	2817	0.238	ug/l	96
67) Ethyl Benzene	11.51	91	4938	0.234	ug/l #	85
68) m/p-Xylenes	11.62	106	3242	0.409	ug/l	99
69) o-Xylene	11.95	106	1544	0.201	ug/l	94
71) Bromoform	12.12	173	660	0.206	ug/l #	28
73) Isopropylbenzene	12.25	105	3988	0.225	ug/l	93
74) N-amyl acetate	12.08	43	1648	0.207	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	1553	0.267	ug/l	95
76) 1,2,3-Trichloropropane	12.41	75	149585	27.920	ug/l #	100
77) Bromobenzene	12.52	156	1014	0.236	ug/l	59
78) n-propylbenzene	12.60	91	4745	0.230	ug/l	98
79) 2-Chlorotoluene	12.68	91	3318	0.259	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	3550	0.235	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	149585	74.789	ug/l #	11
82) 4-Chlorotoluene	12.78	91	3205	0.244	ug/l	99
83) tert-Butylbenzene	13.00	119	2885	0.223	ug/l	98
85) sec-Butylbenzene	13.18	105	3470	0.204	ug/l	88
86) p-Isopropyltoluene	13.29	119	3178	0.205	ug/l	87
87) 1,3-Dichlorobenzene	13.28	146	1822	0.230	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	1822	0.226	ug/l	95
89) n-Butylbenzene	13.62	91	3091	0.216	ug/l	88
91) 1,2-Dichlorobenzene	13.67	146	2051	0.265	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	576	0.423	ug/l #	26
93) 1,2,4-Trichlorobenzene	14.92	180	1165	0.247	ug/l	95
94) Hexachlorobutadiene	15.02	225	570	0.229	ug/l	92
95) Naphthalene	15.13	128	3826	0.282	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	1246	0.271	ug/l	89

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058752.D

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Instrument :

MSVOA_N

ClientSampleId :

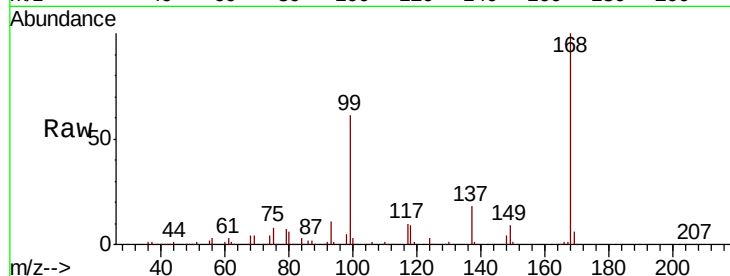
LOD-MDL-WATER-01-QT4-2019

Tot Ion:168 Resp: 385740

Ion Ratio Lower Upper

168 100

99 60.9 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

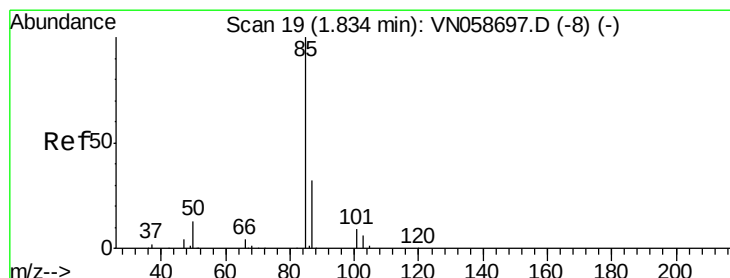
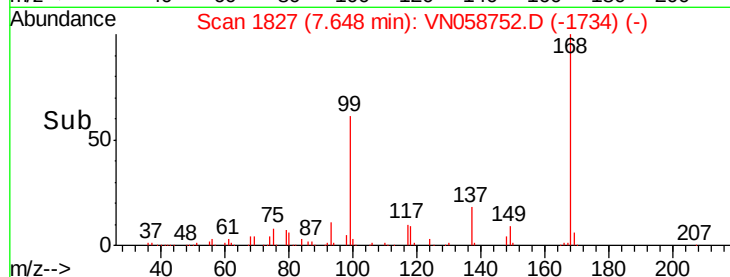
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.239 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058752.D

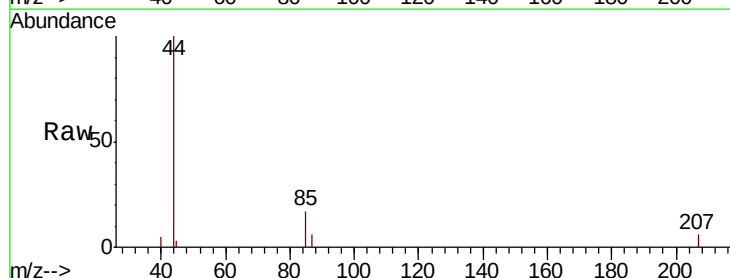
Acq: 14 Oct 2019 16:11

Tgt Ion: 85 Resp: 1149

Ion Ratio Lower Upper

85 100

87 34.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000

800

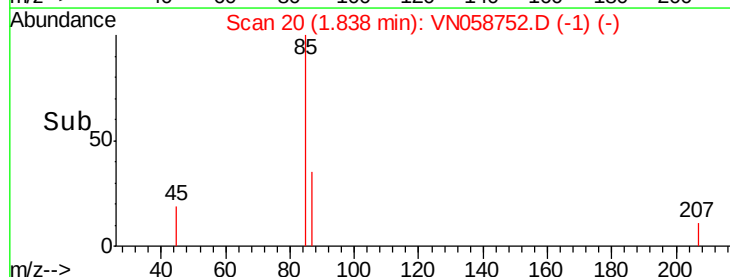
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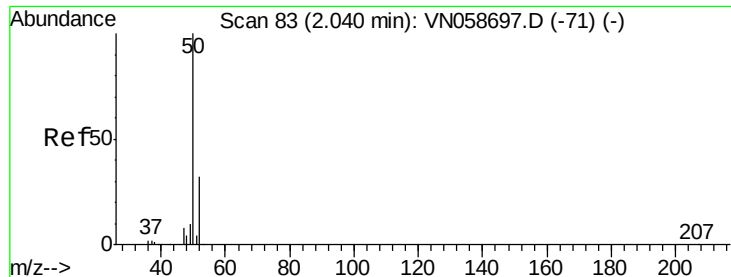
400

200

0

Time-->





#3

Chloromethane

Concen: 0.305 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

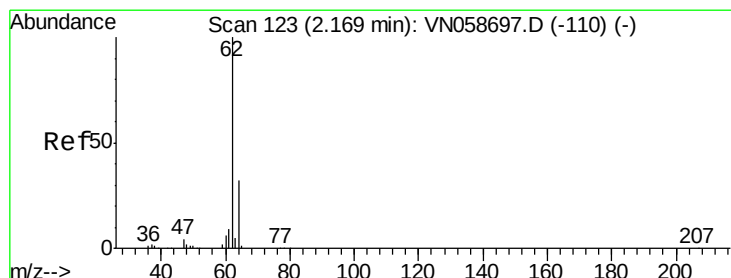
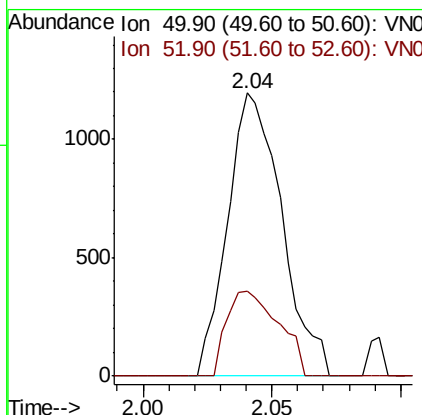
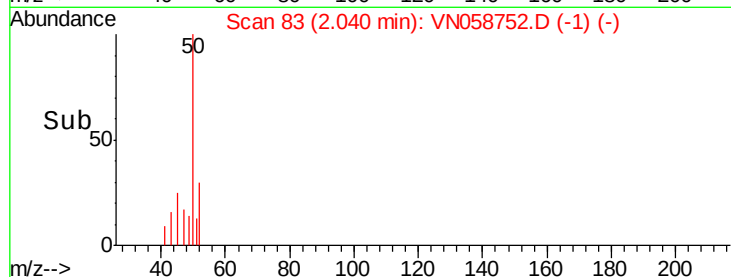
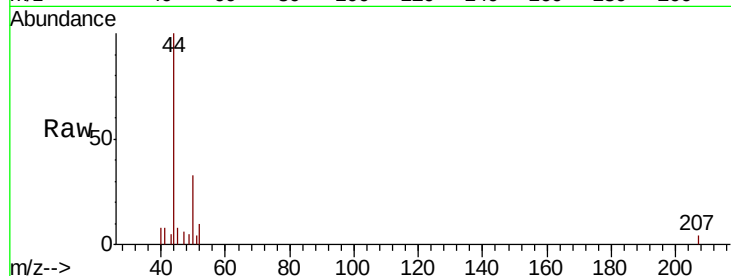
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 50 Resp: 1744

Ion Ratio Lower Upper

50 100

52 29.9 25.8 38.6



#4

Vinyl Chloride

Concen: 0.217 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058752.D

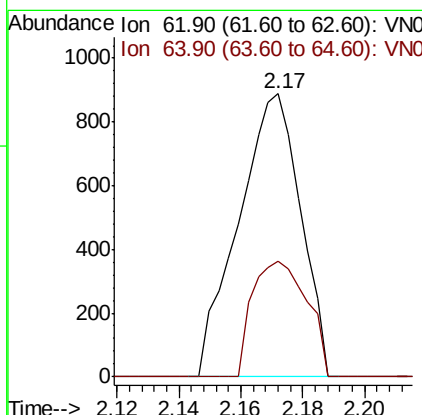
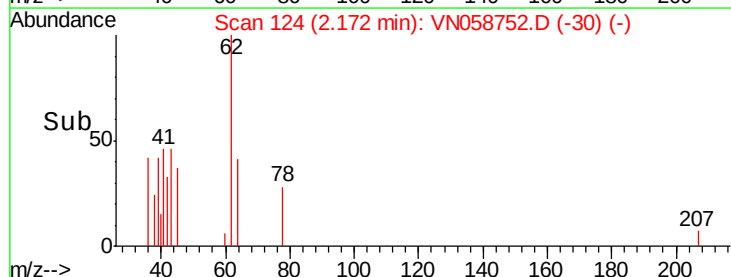
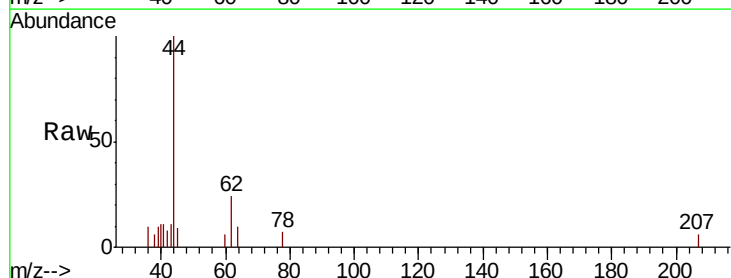
Acq: 14 Oct 2019 16:11

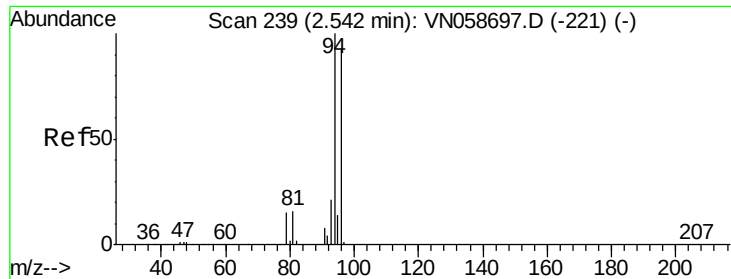
Tgt Ion: 62 Resp: 1237

Ion Ratio Lower Upper

62 100

64 40.7 25.3 37.9#





#5

Bromomethane

Concen: 0.341 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

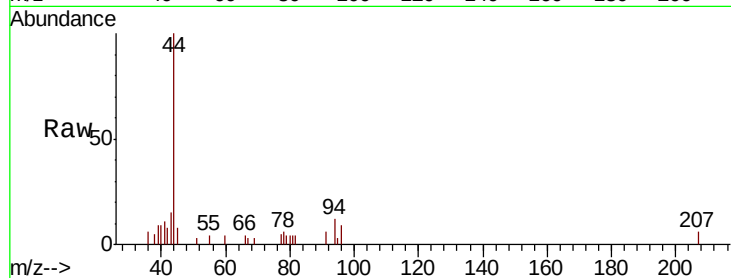
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 94 Resp: 1181

Ion Ratio Lower Upper

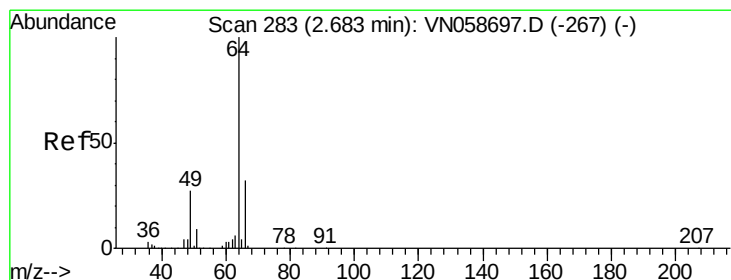
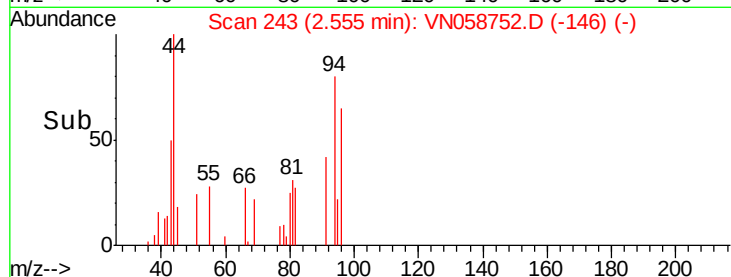
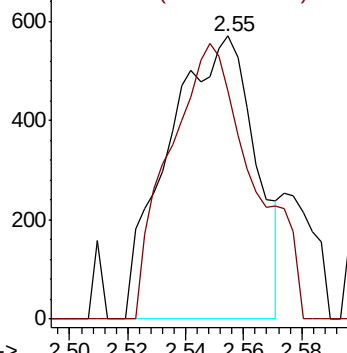
94 100

96 80.9 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: 0.278 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN058752.D

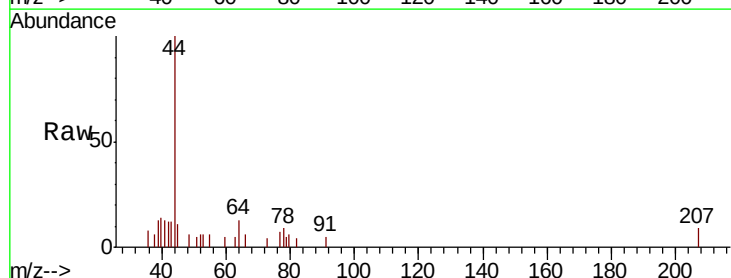
Acq: 14 Oct 2019 16:11

Tgt Ion: 64 Resp: 976

Ion Ratio Lower Upper

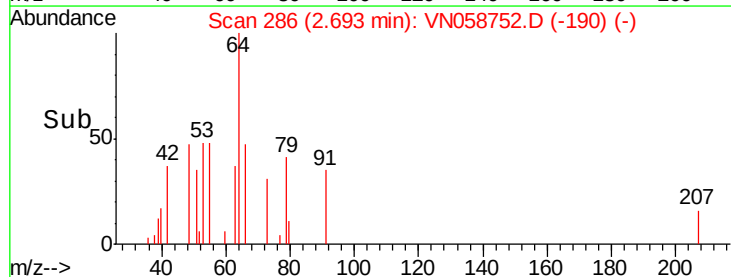
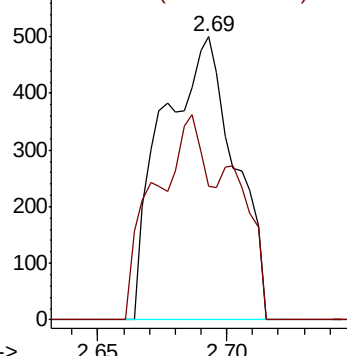
64 100

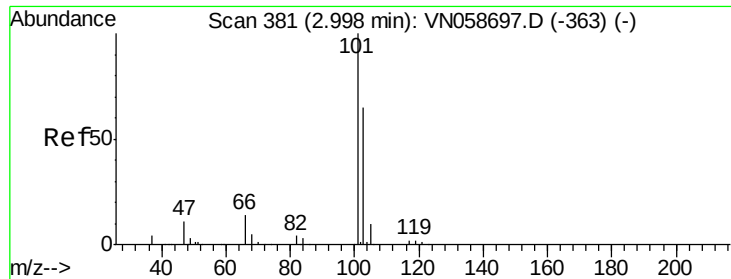
66 47.0 25.4 38.2#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



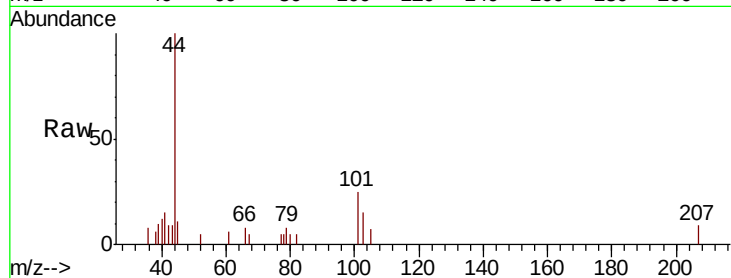


#7

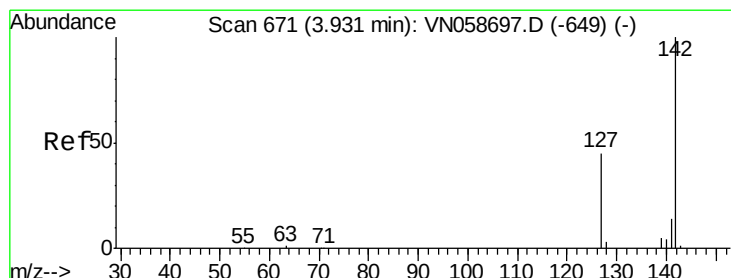
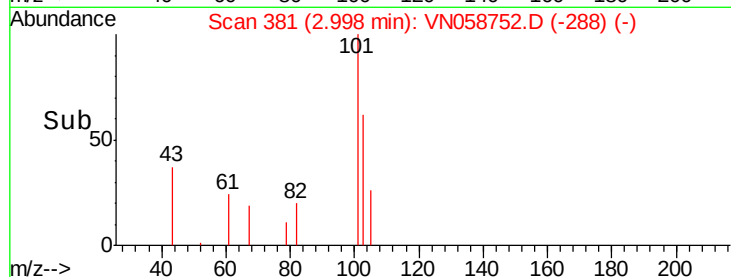
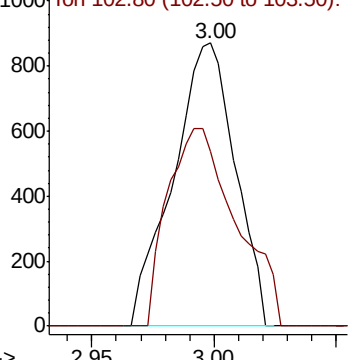
Trichlorofluoromethane
Concen: 0.226 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

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

Tot Ion:101 Resp: 1536
Ion Ratio Lower Upper
101 100
103 61.5 51.8 77.6



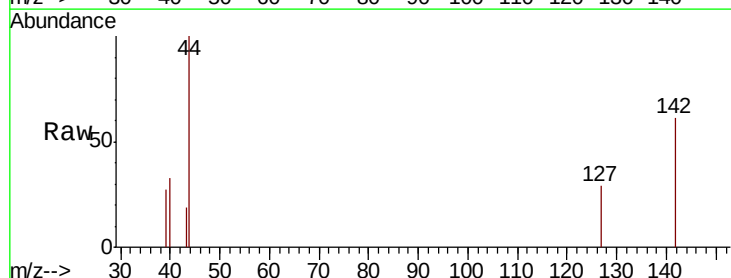
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



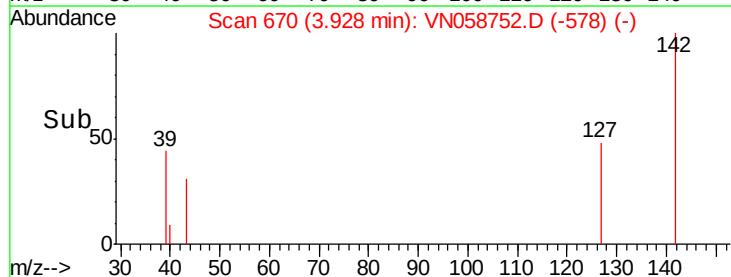
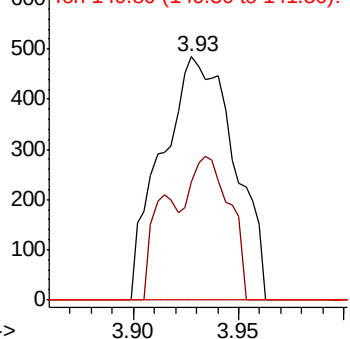
#10

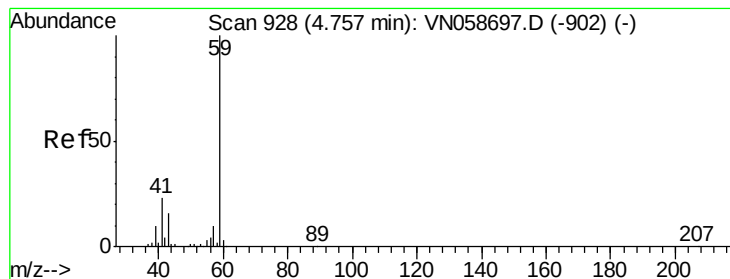
Methyl Iodide
Concen: 0.220 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion:142 Resp: 1165
Ion Ratio Lower Upper
142 100
127 33.8 36.4 54.6#
141 0.0 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



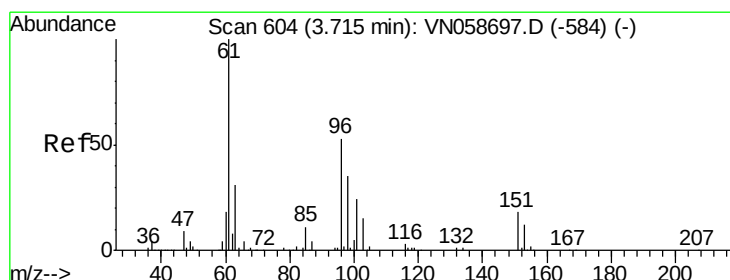
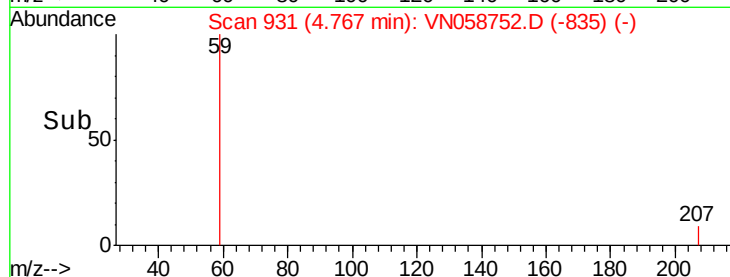
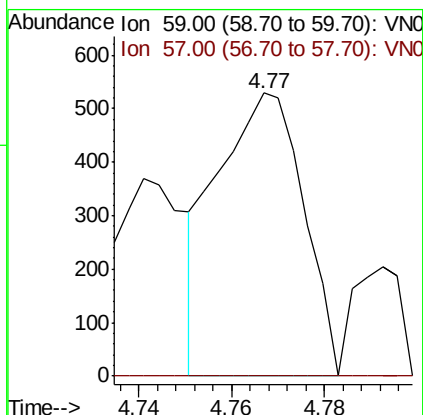
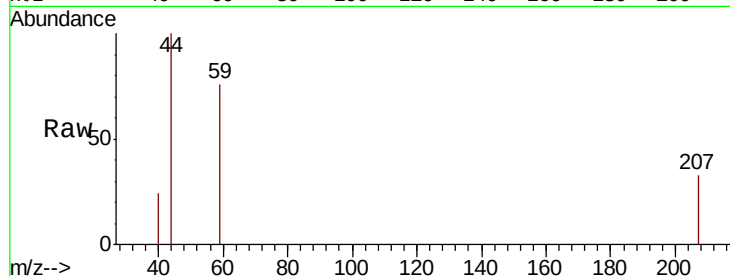


#11

Tert butyl alcohol
 Concen: 0.782 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

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

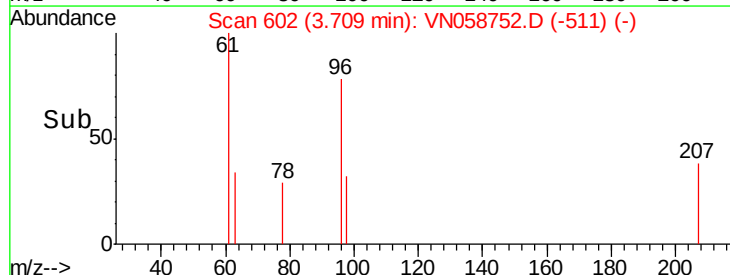
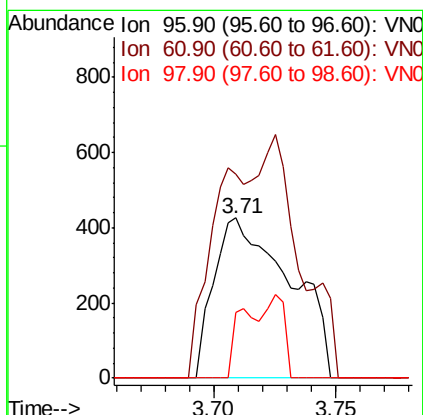
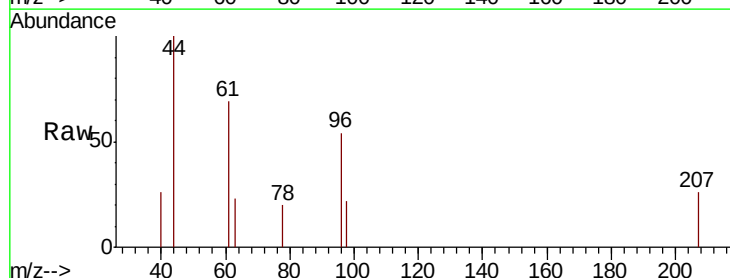
Tot Ion: 59 Resp: 684
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

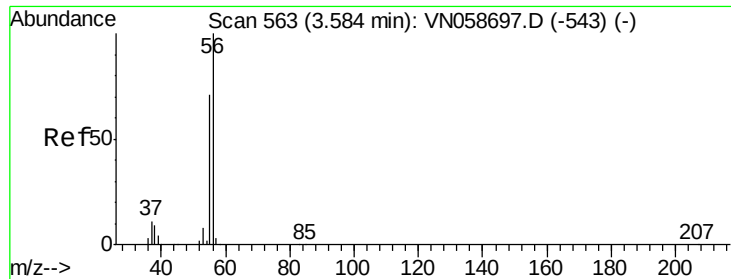


#12

1,1-Dichloroethene
 Concen: 0.248 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 96 Resp: 918
 Ion Ratio Lower Upper
 96 100
 61 127.5 151.3 226.9#
 98 41.1 52.6 78.8#





#13

Acrolein

Concen: 0.500 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

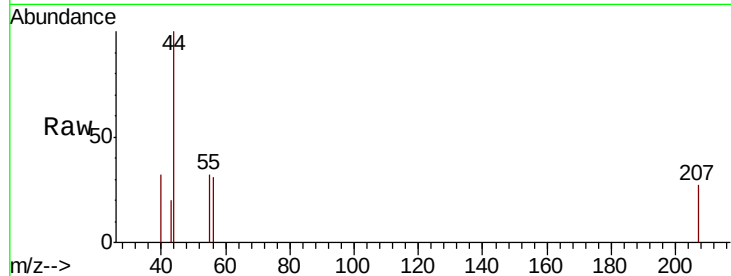
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 56 Resp: 352

Ion Ratio Lower Upper

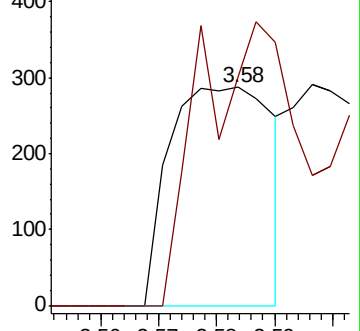
56 100

55 120.2 56.7 85.1#

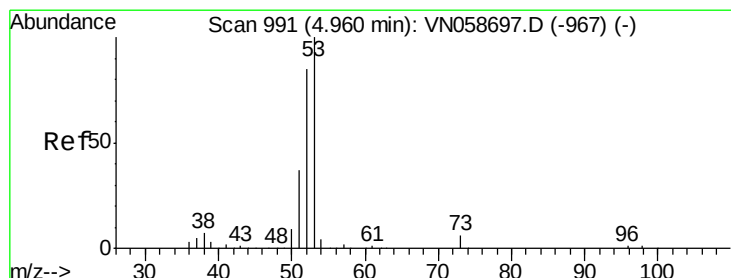
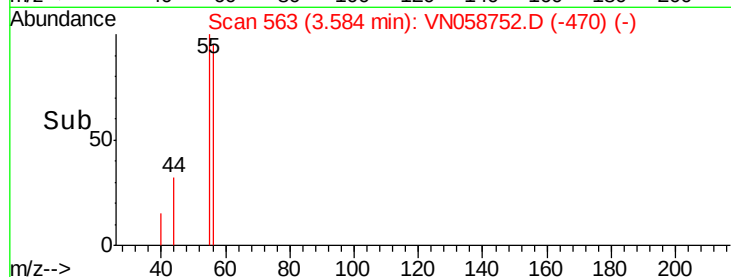


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#15

Acrylonitrile

Concen: 0.217 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

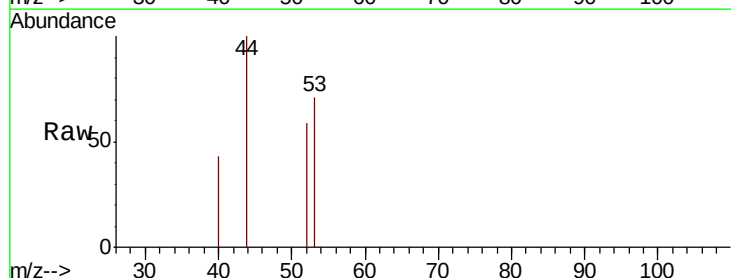
Tgt Ion: 53 Resp: 478

Ion Ratio Lower Upper

53 100

52 0.0 66.2 99.2#

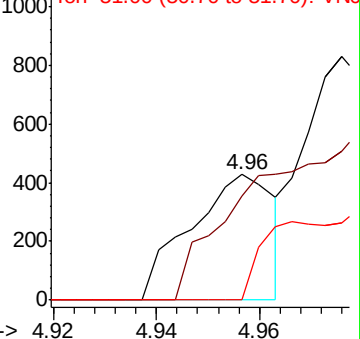
51 0.0 29.4 44.2#



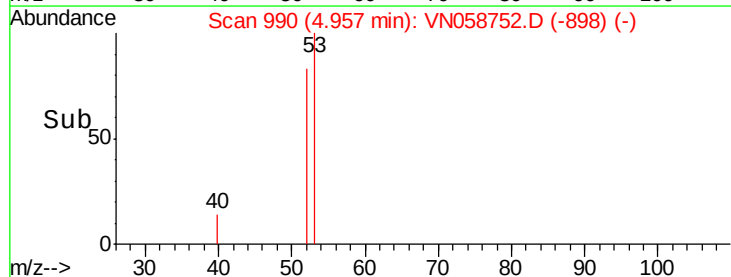
Abundance Ion 53.00 (52.70 to 53.70): VN0

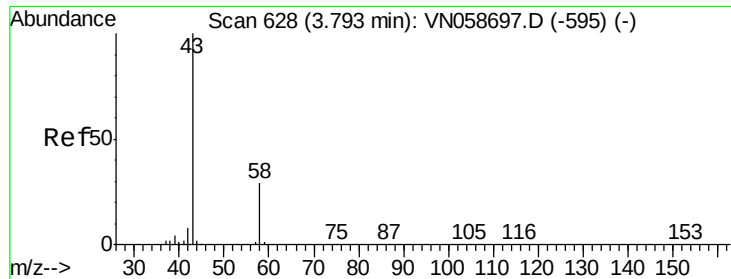
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



Time-->





#16

Acetone

Concen: 1.696 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

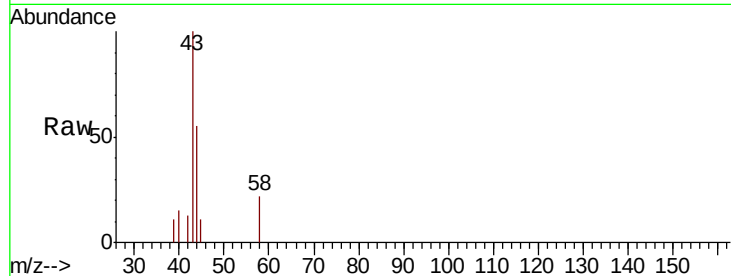
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 43 Resp: 3792

Ion Ratio Lower Upper

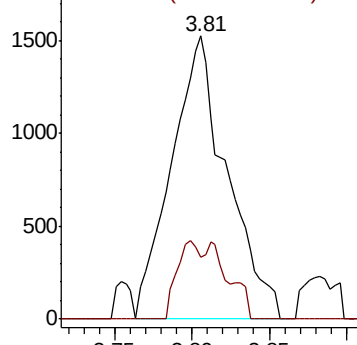
43 100

58 21.8 23.3 34.9#

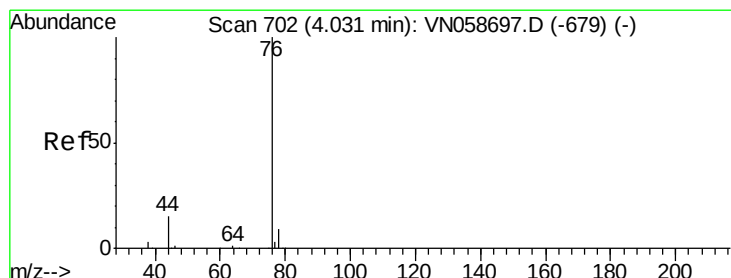
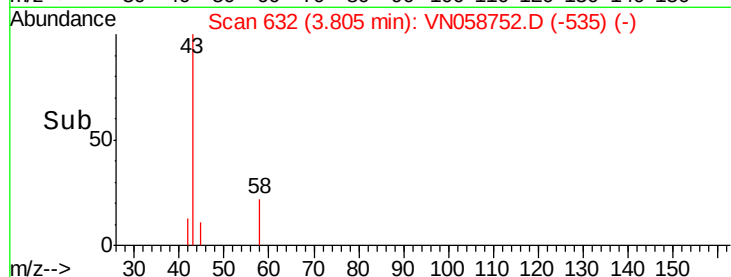


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: 0.299 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN058752.D

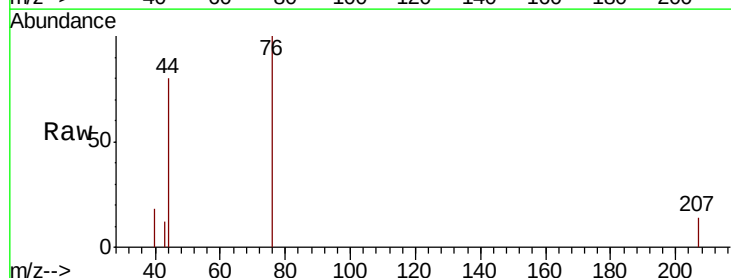
Acq: 14 Oct 2019 16:11

Tgt Ion: 76 Resp: 3542

Ion Ratio Lower Upper

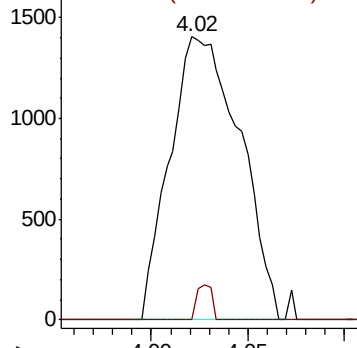
76 100

78 0.0 7.1 10.7#

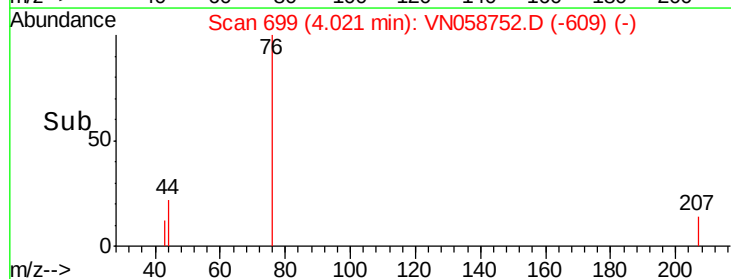


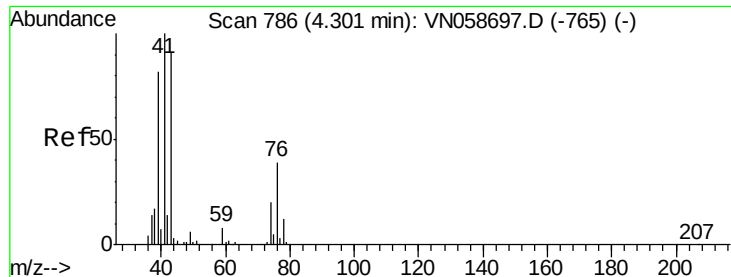
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->

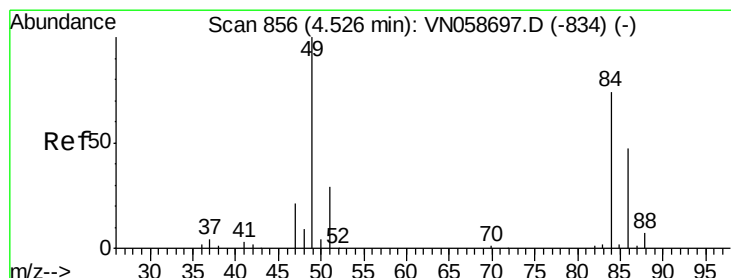
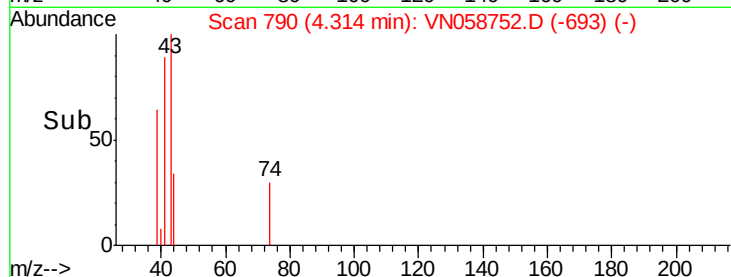
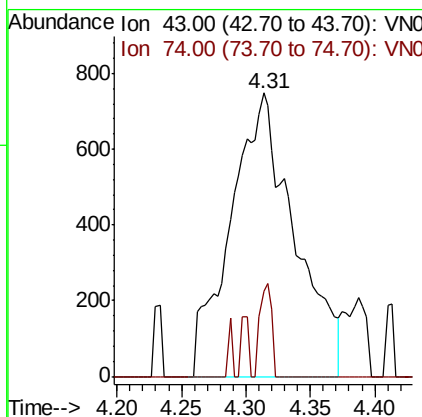
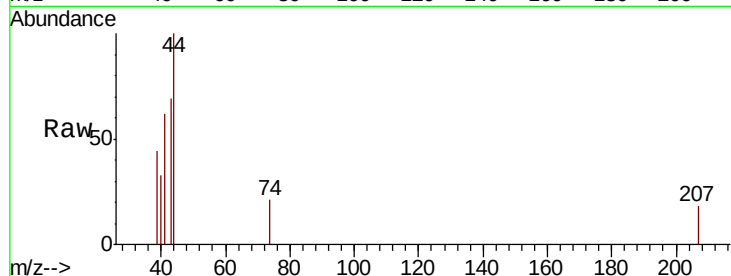




#18
Methyl Acetate
Concen: 0.455 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

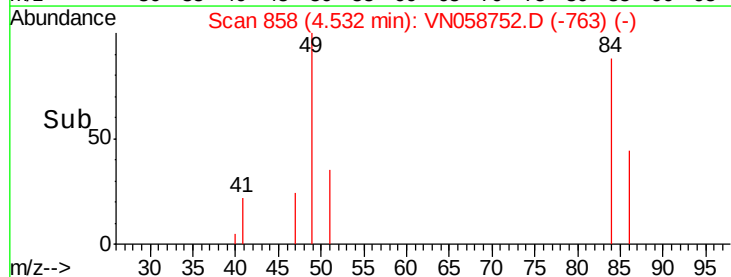
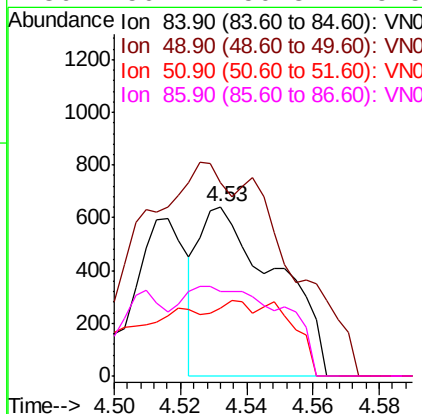
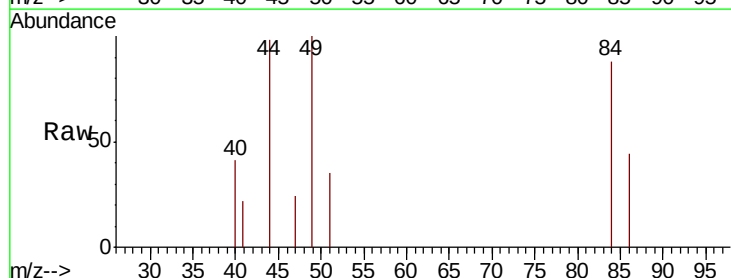
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

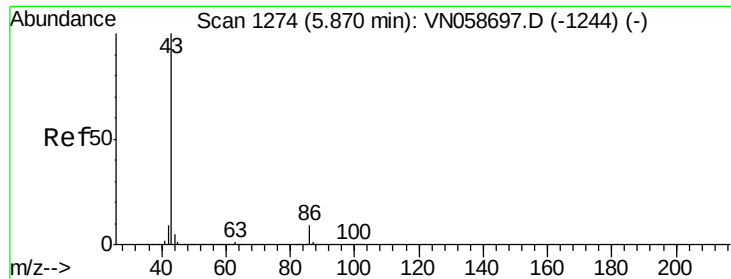
Tot Ion: 43 Resp: 2580
Ion Ratio Lower Upper
43 100
74 6.0 17.2 25.8#



#20
Methylene Chloride
Concen: 0.221 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 84 Resp: 1032
Ion Ratio Lower Upper
84 100
49 80.6 107.6 161.4#
51 40.1 31.4 47.0
86 50.2 50.3 75.5#

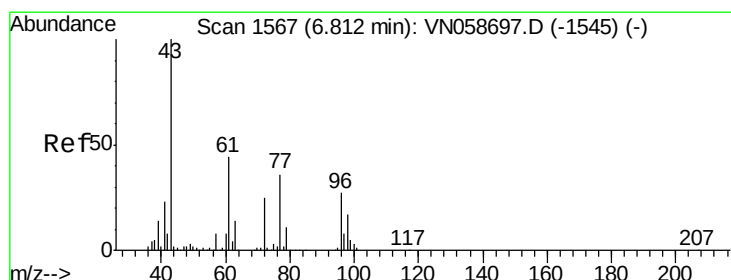
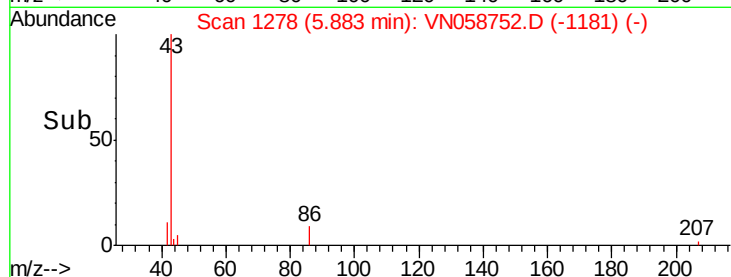
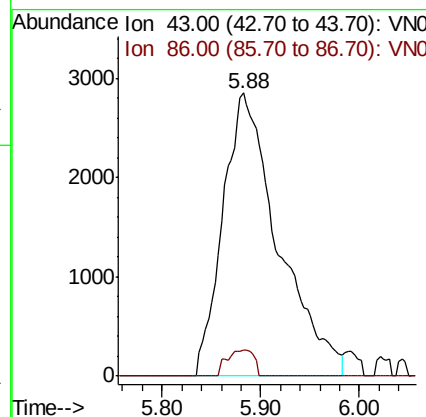
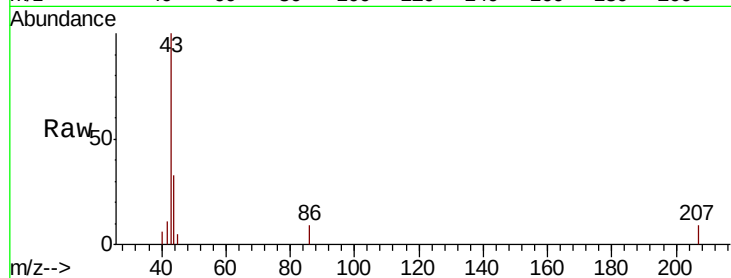




#23
 Vinyl Acetate
 Concen: 0.953 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

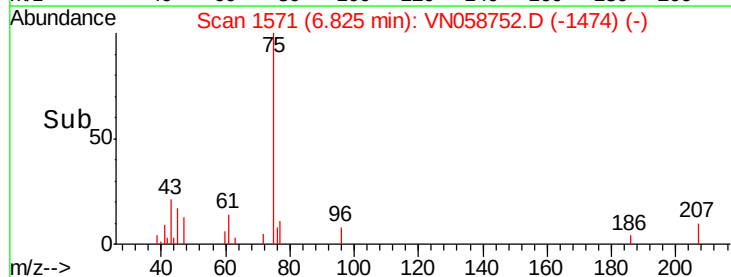
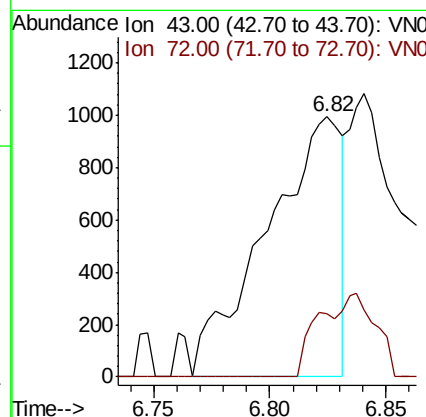
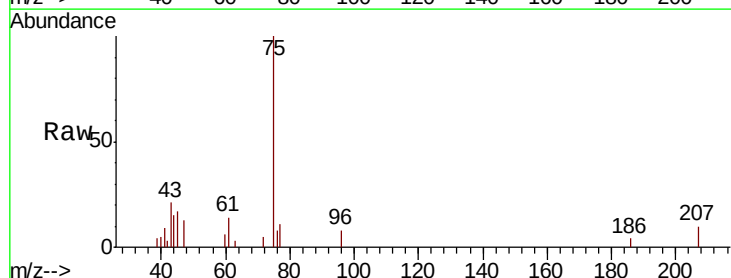
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

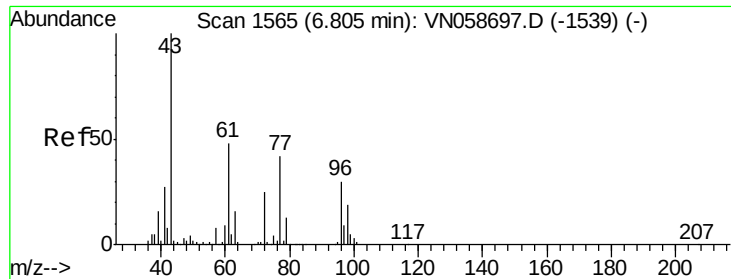
Tot Ion: 43 Resp: 11181
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.4 11.0



#25
 2-Butanone
 Concen: 0.693 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 2238
 Ion Ratio Lower Upper
 43 100
 72 24.1 20.2 30.2

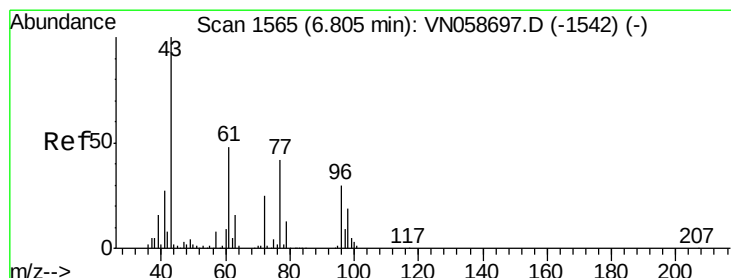
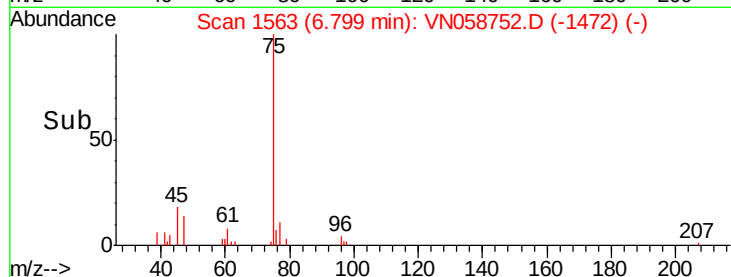
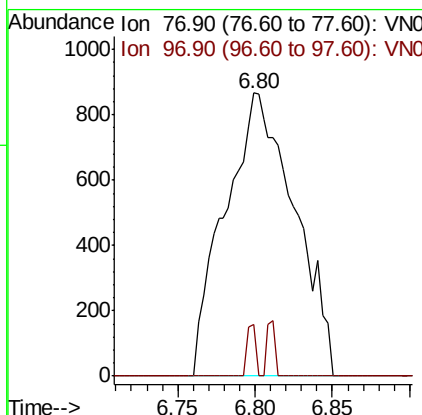
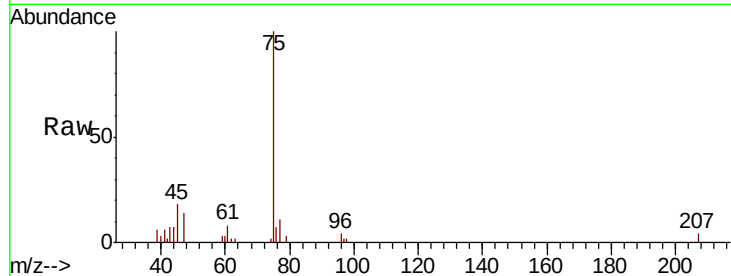




#26
 2,2-Dichloropropane
 Concen: 0.358 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

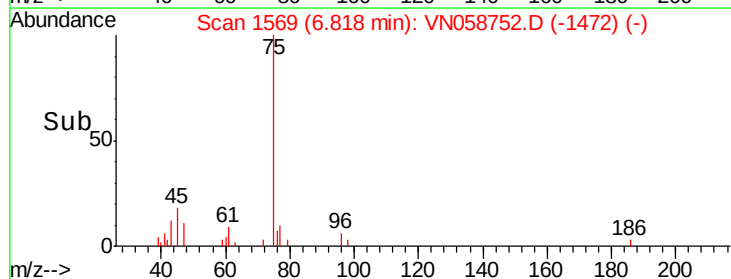
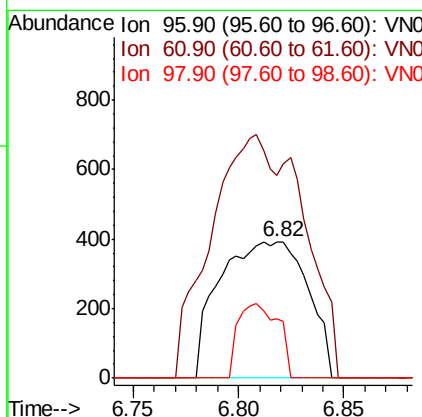
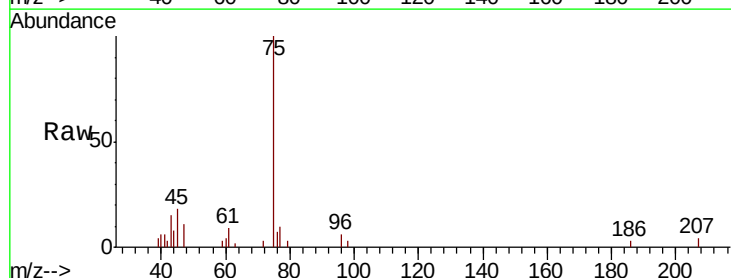
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

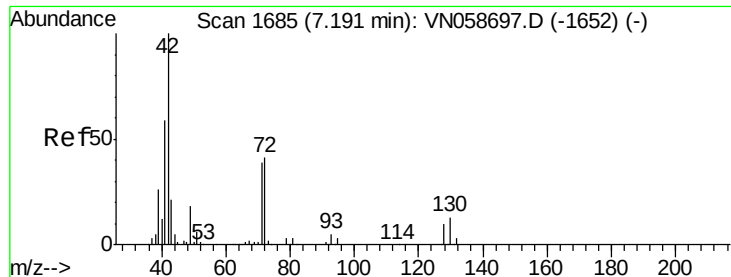
Tot Ion: 77 Resp: 2706
 Ion Ratio Lower Upper
 77 100
 97 2.2 10.7 31.9#



#27
 cis-1,2-Dichloroethene
 Concen: 0.235 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 96 Resp: 1137
 Ion Ratio Lower Upper
 96 100
 61 128.7 0.0 324.8
 98 24.8 0.0 129.2

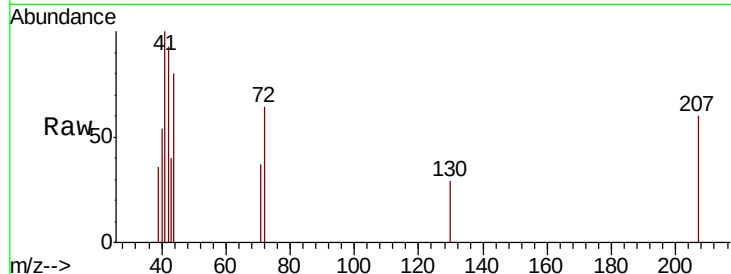




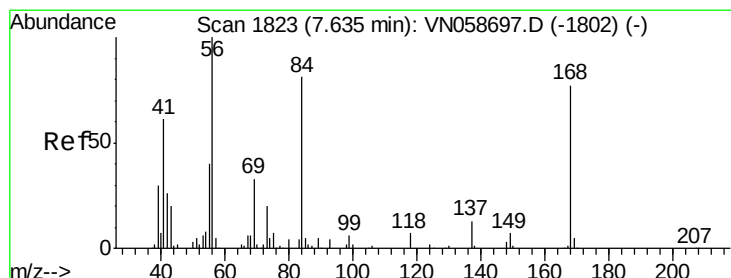
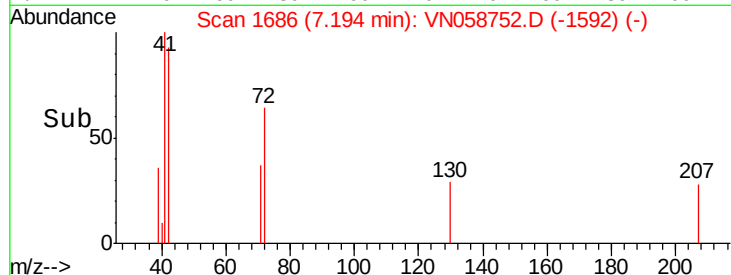
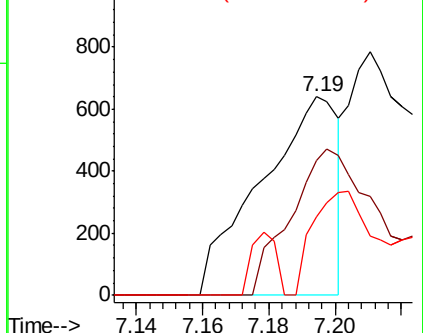
#29
Tetrahydrofuran
Concen: 0.498 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

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

Tot Ion: 42 Resp: 1040
Ion Ratio Lower Upper
42 100
72 78.3 32.8 49.2#
71 10.0 31.1 46.7#

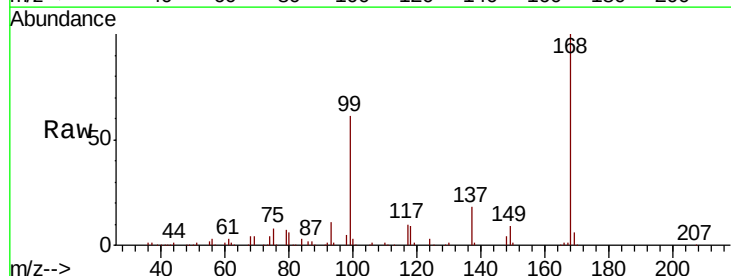


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

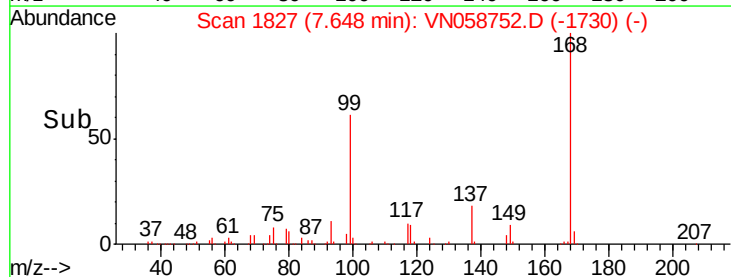
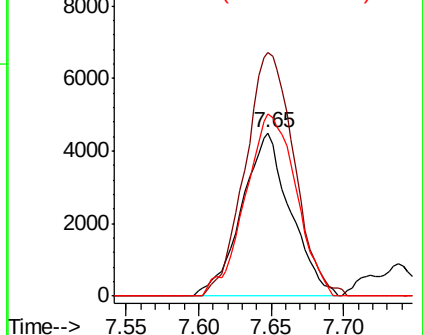


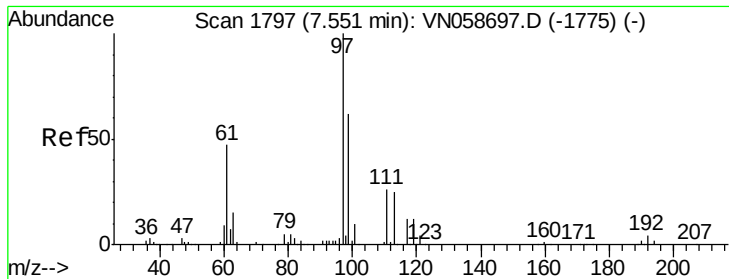
#31
Cyclohexane
Concen: 1.328 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 56 Resp: 10519
Ion Ratio Lower Upper
56 100
69 149.2 26.2 39.4#
84 111.5 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: 0.218 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

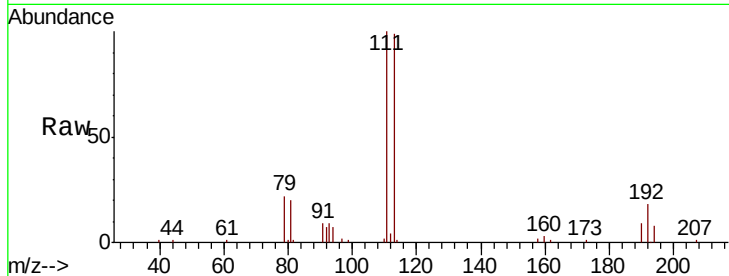
Tot Ion: 97 Resp: 1546

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2#

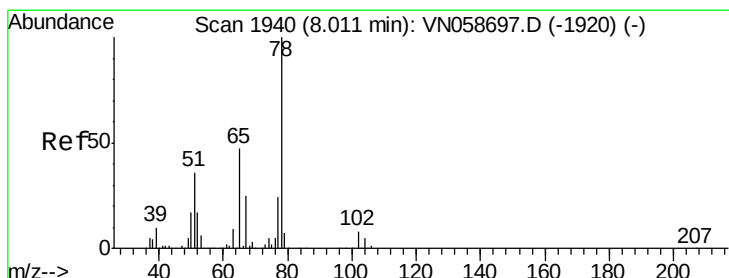
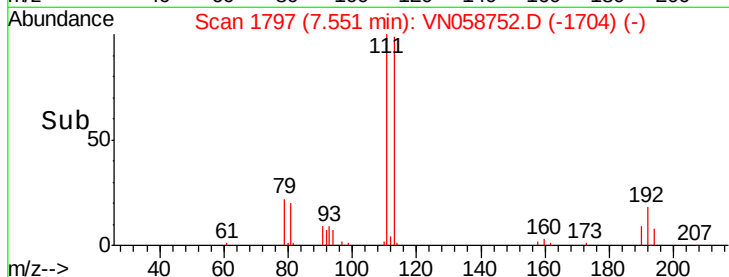
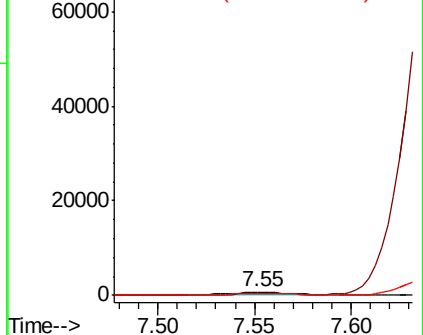
61 53.0 38.1 57.1



Abundance Ion 96.90 (96.60 to 97.60): VN058697.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058697.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058697.D (-1775) (-)



#33

1,2-Dichloroethane-d4

Concen: 57.638 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058752.D

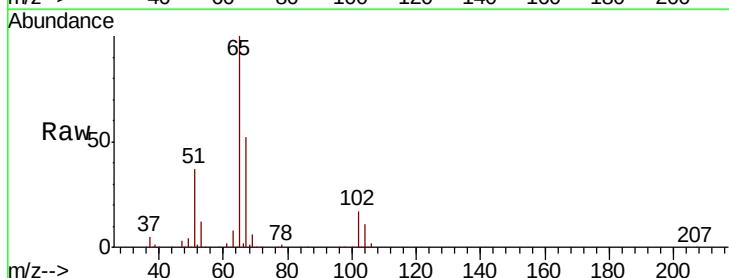
Acq: 14 Oct 2019 16:11

Tgt Ion: 65 Resp: 311264

Ion Ratio Lower Upper

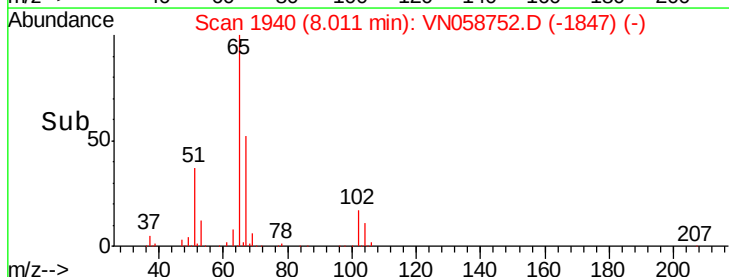
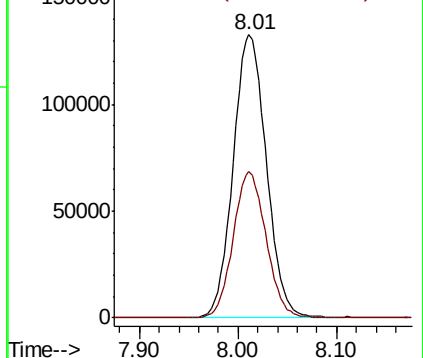
65 100

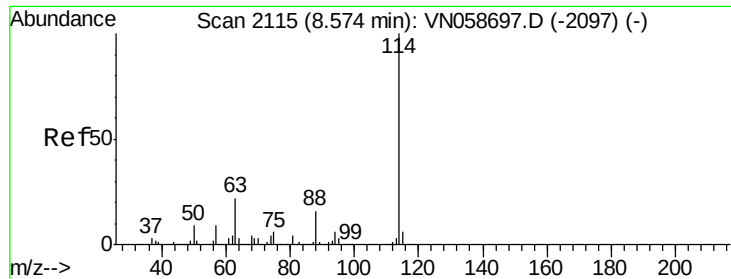
67 51.2 0.0 103.8



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

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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

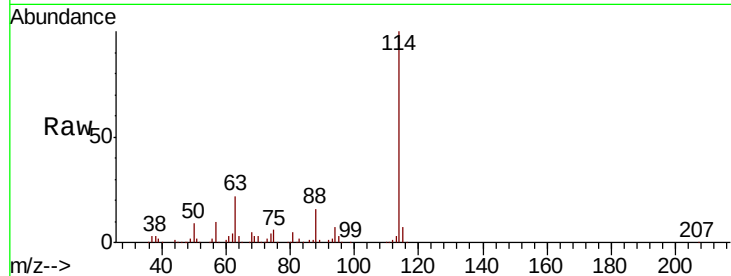
Tot Ion:114 Resp: 645027

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

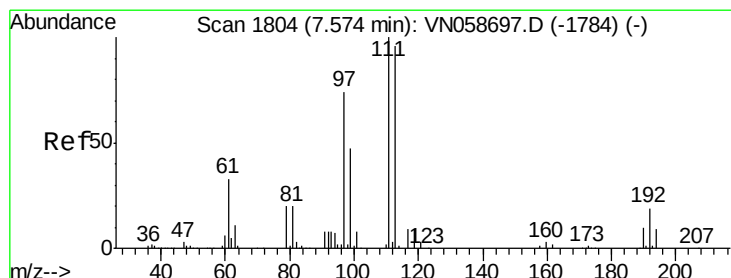
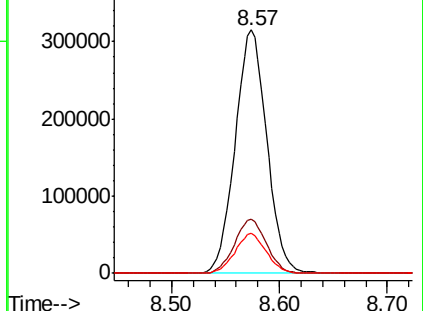
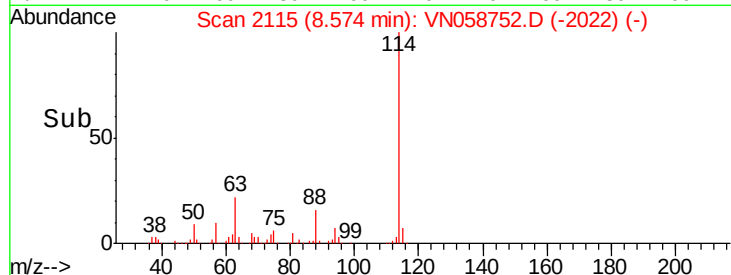
88 16.3 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 54.574 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

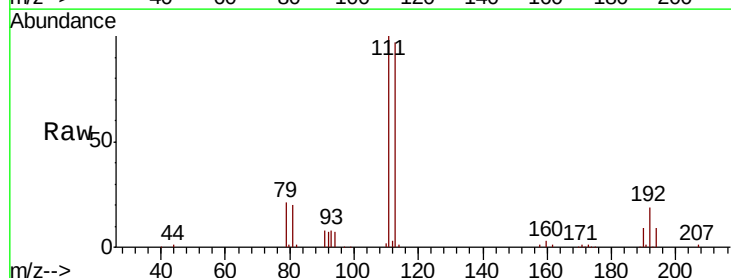
Tgt Ion:113 Resp: 217432

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

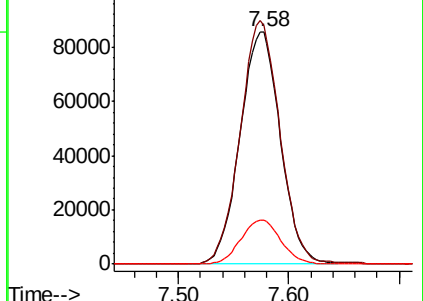
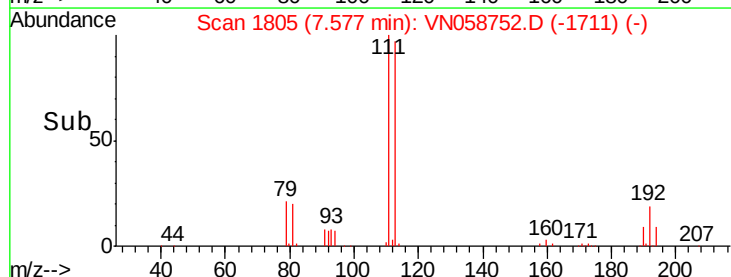
192 18.8 15.0 22.6

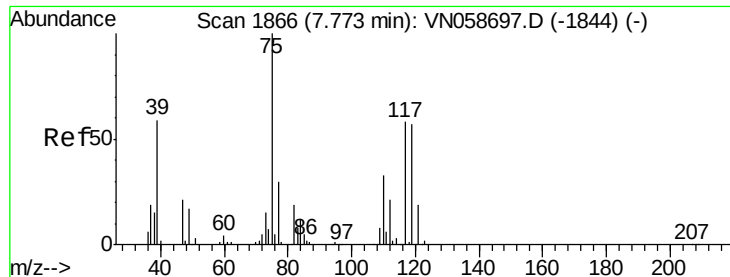


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

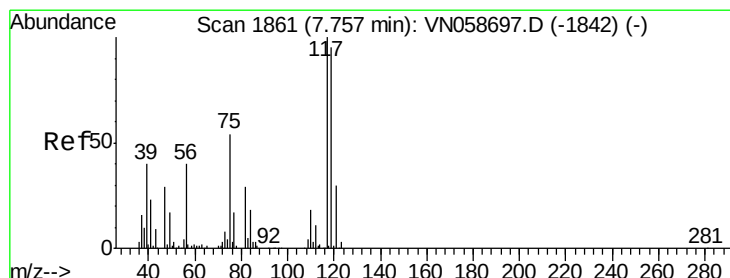
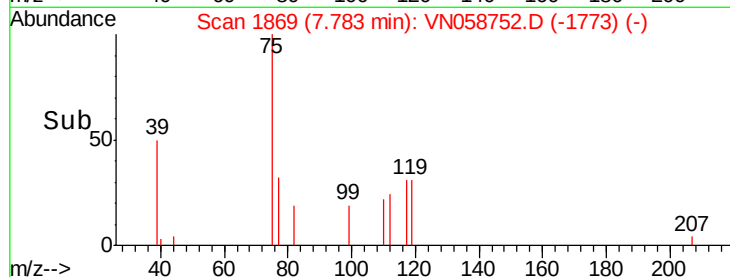
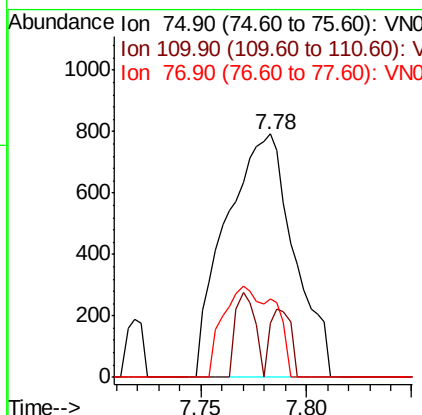
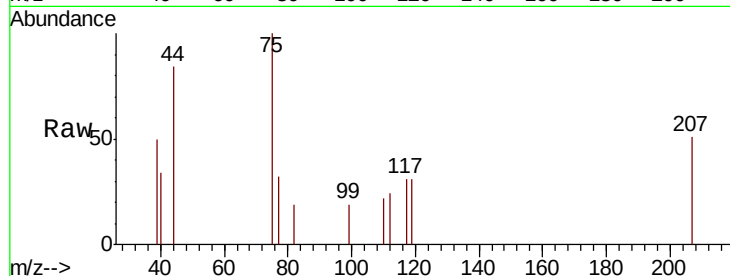




#36
 1,1-Dichloropropene
 Concen: 0.273 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

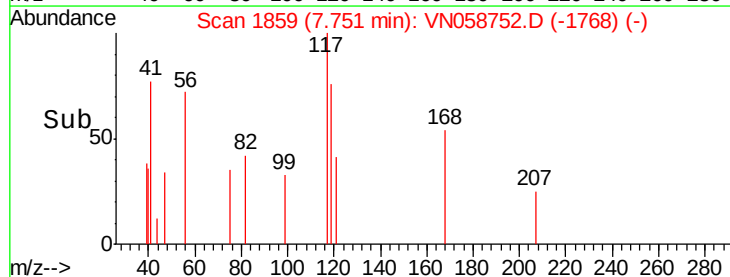
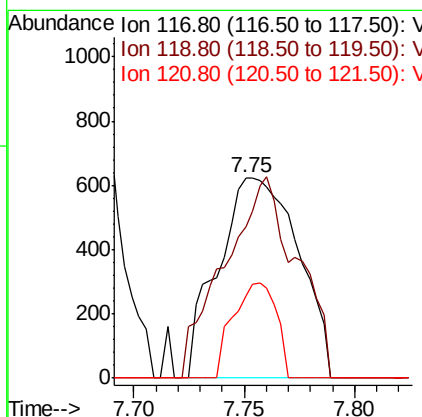
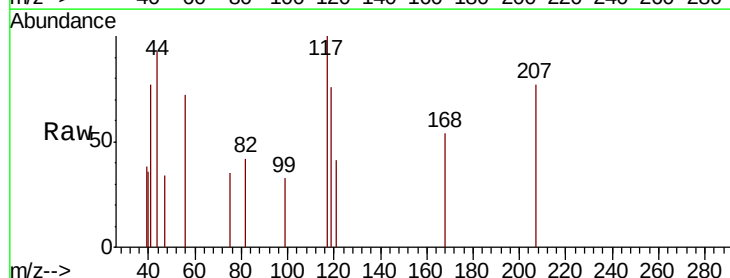
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

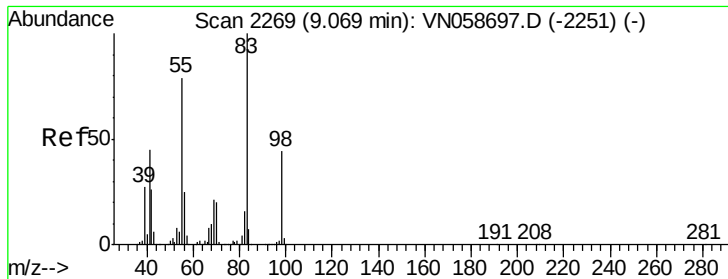
Tot Ion: 75 Resp: 1781
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.6 49.8#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 0.248 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 117 Resp: 1574
 Ion Ratio Lower Upper
 117 100
 119 75.8 75.7 113.5
 121 41.2 23.9 35.9#

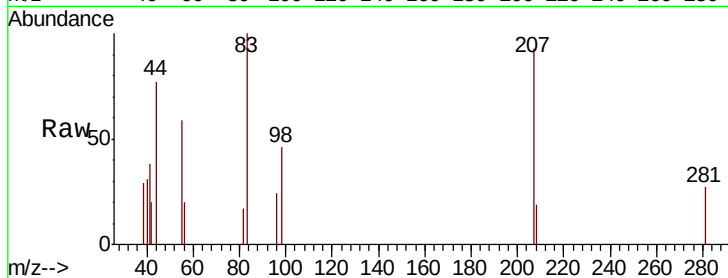




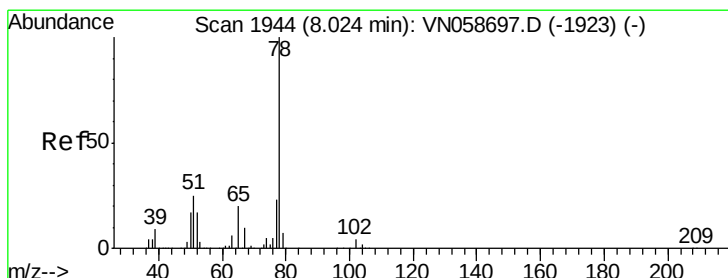
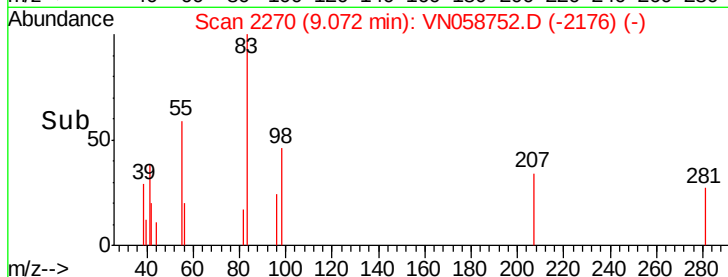
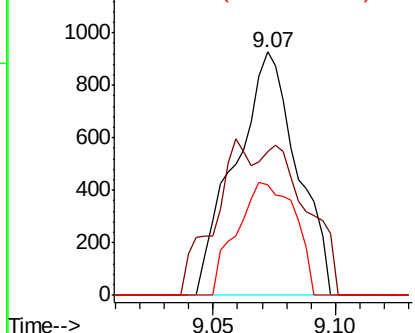
#39
Methylcyclohexane
Concen: 0.215 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

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

Tot Ion: 83 Resp: 1624
Ion Ratio Lower Upper
83 100
55 58.8 63.4 95.0#
98 45.5 35.1 52.7

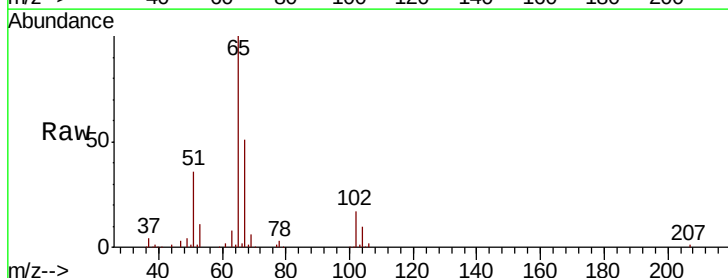


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

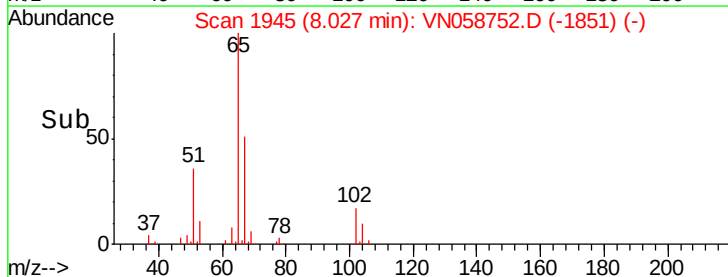
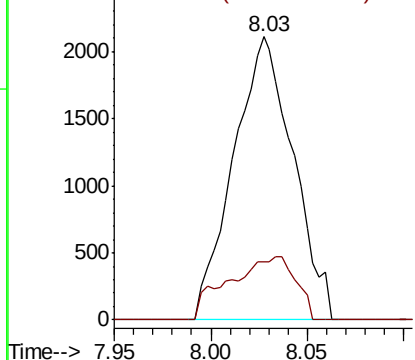


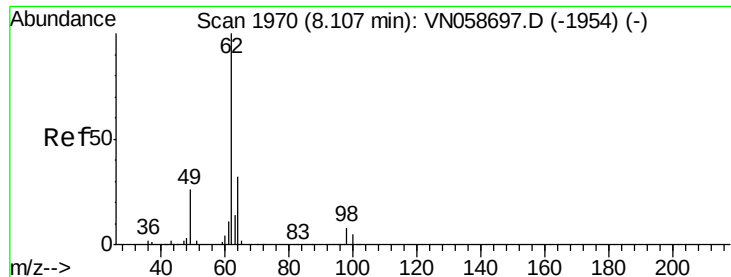
#40
Benzene
Concen: 0.241 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 78 Resp: 4515
Ion Ratio Lower Upper
78 100
77 20.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#42

1,2-Dichloroethane

Concen: 0.200 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

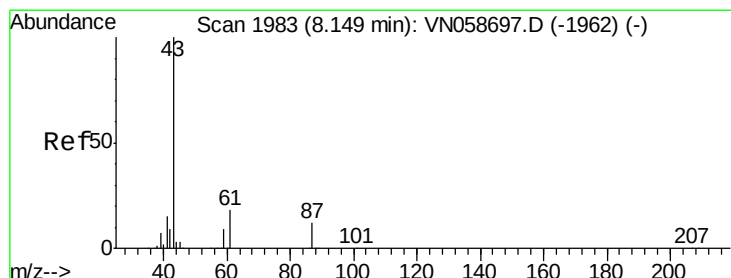
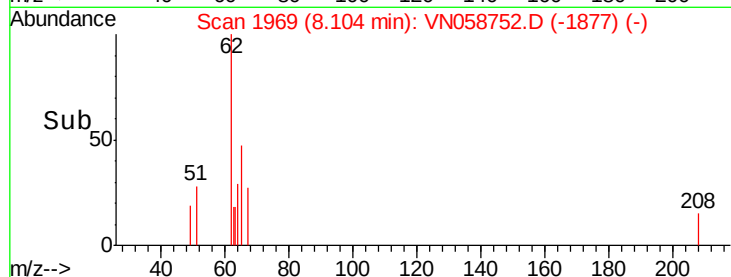
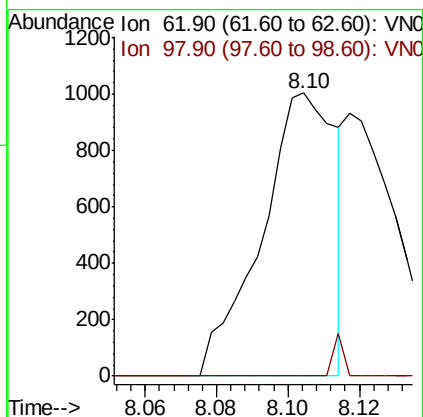
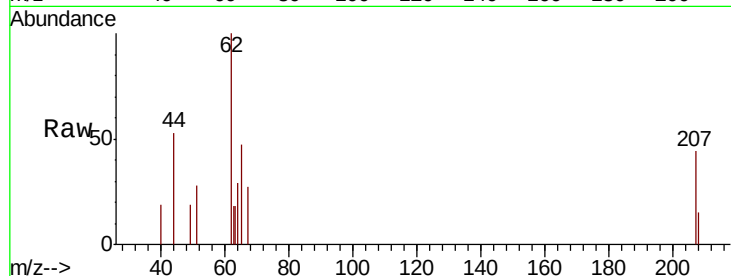
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 62 Resp: 1442

Ion Ratio Lower Upper

62 100

98 2.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 0.241 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

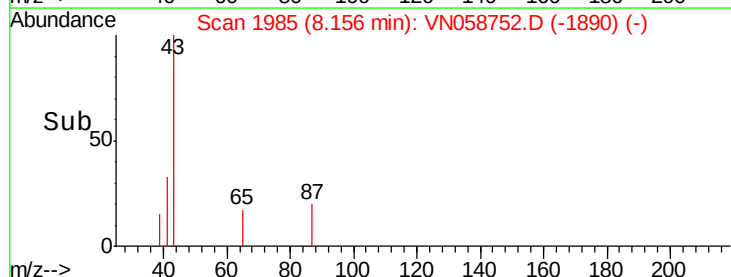
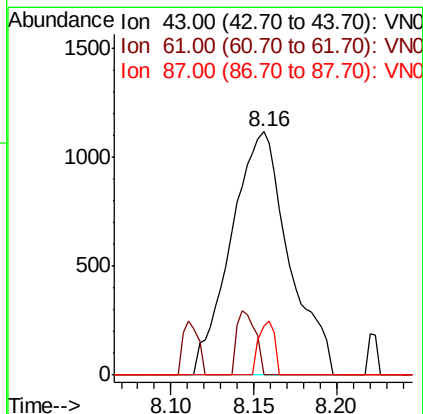
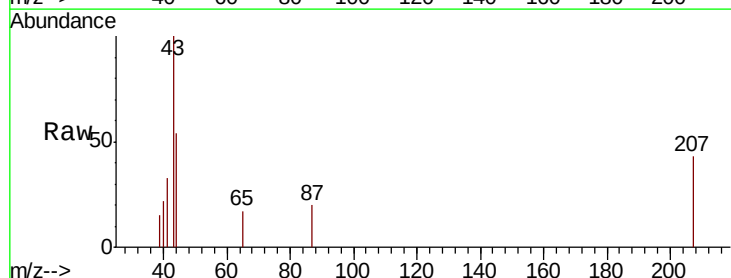
Tgt Ion: 43 Resp: 2712

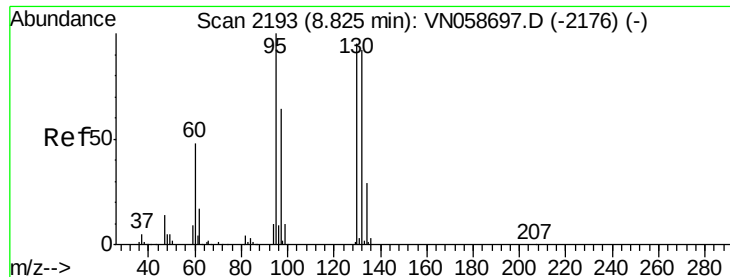
Ion Ratio Lower Upper

43 100

61 8.7 20.3 30.5#

87 5.9 9.8 14.6#





#44

Trichloroethene

Concen: 0.244 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

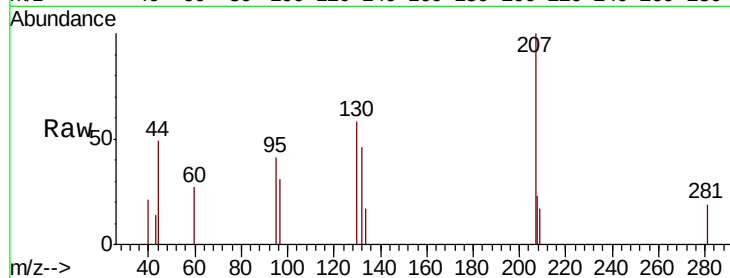
LOD-MDL-WATER-01-QT4-2019

Tot Ion:130 Resp: 1133

Ion Ratio Lower Upper

130 100

95 70.3 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

800

600

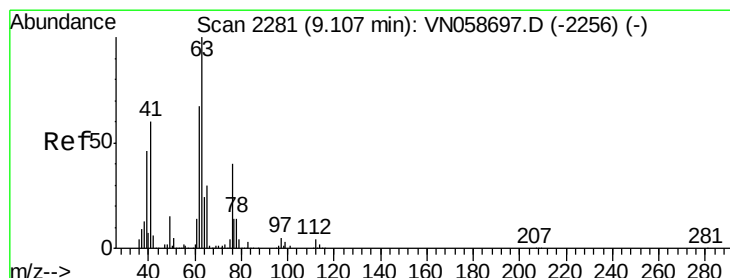
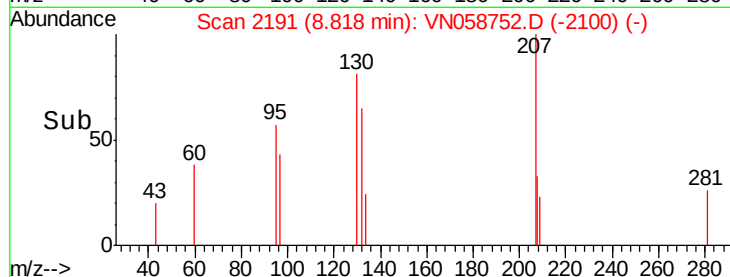
400

200

0

8.78 8.80 8.82 8.84 8.86

Time-->



#45

1,2-Dichloropropane

Concen: 0.219 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058752.D

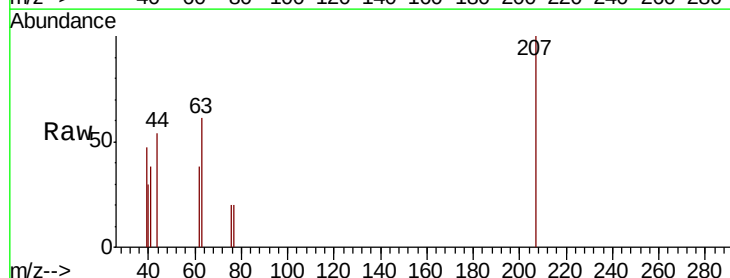
Acq: 14 Oct 2019 16:11

Tgt Ion: 63 Resp: 1100

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

600

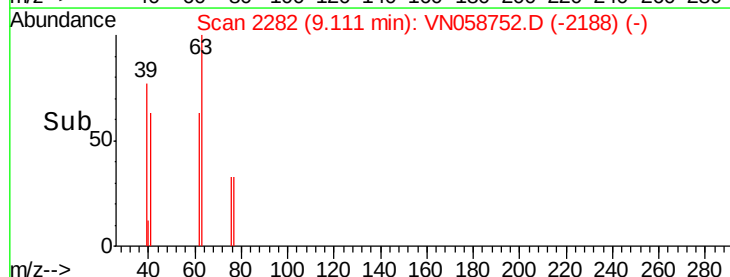
400

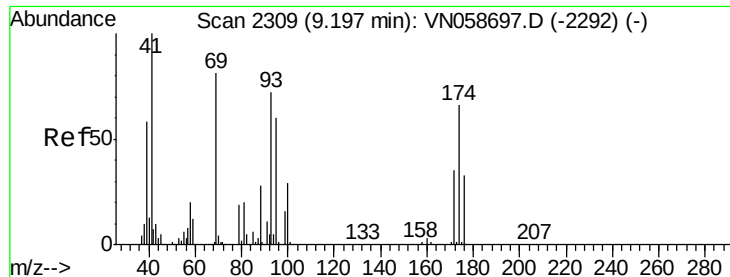
200

0

9.05 9.10 9.15

Time-->

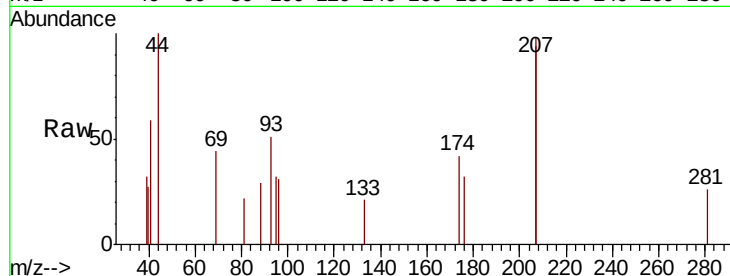




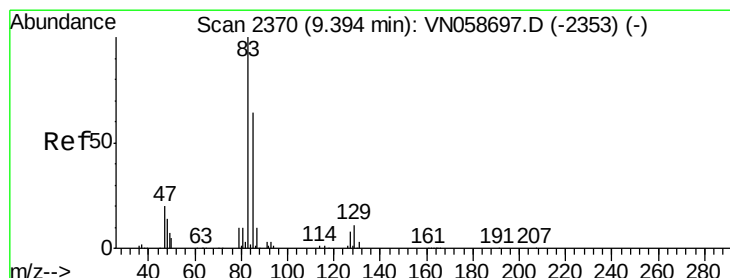
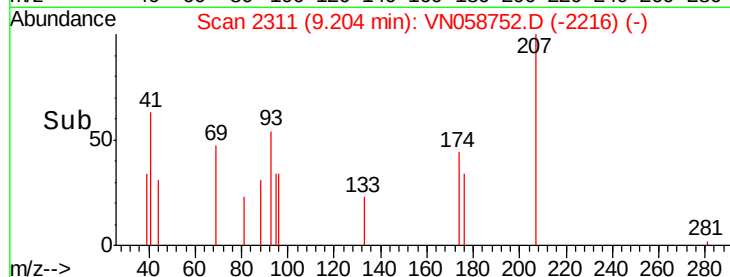
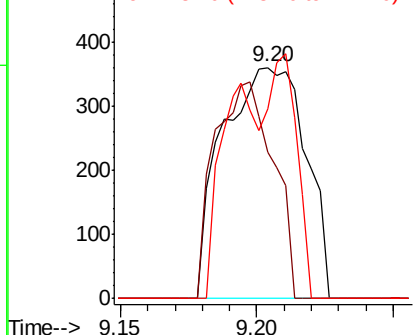
#46
Dibromomethane
Concen: 0.239 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

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

Tot Ion: 93 Resp: 759
Ion Ratio Lower Upper
93 100
95 0.0 66.6 100.0#
174 37.8 75.2 112.8#

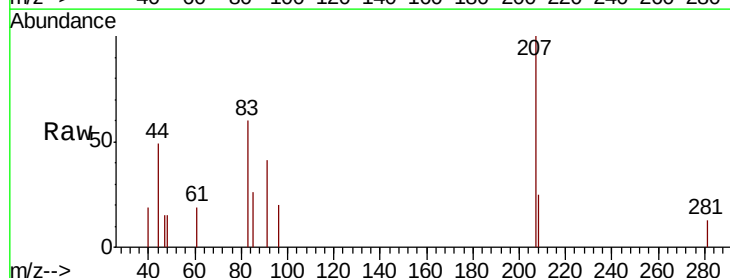


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

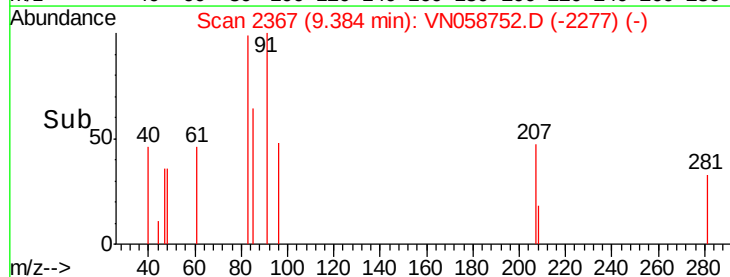
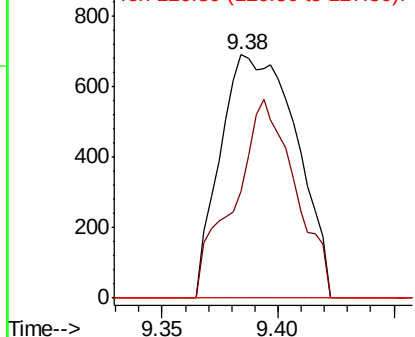


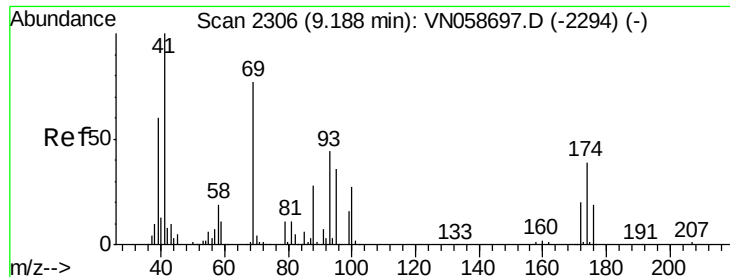
#47
Bromodichloromethane
Concen: 0.243 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 83 Resp: 1571
Ion Ratio Lower Upper
83 100
85 43.7 50.9 76.3#
127 0.0 6.3 9.5#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

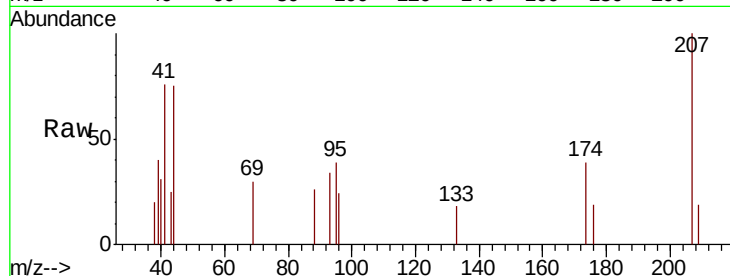




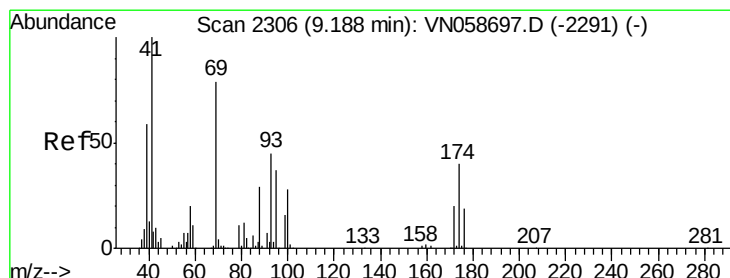
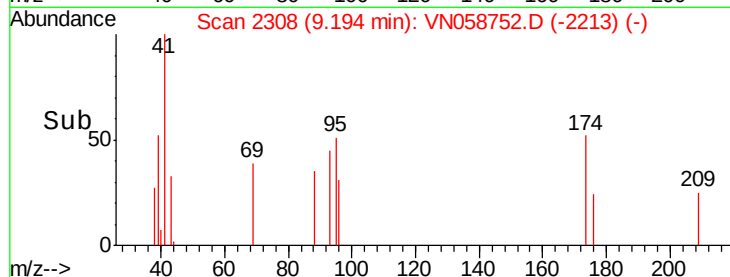
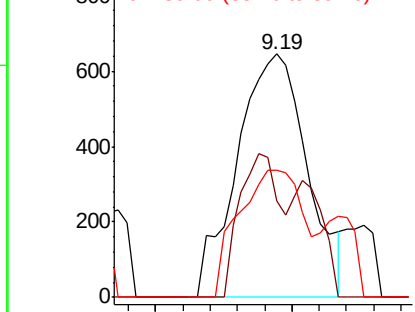
#48
Methvl methacrylate
Concen: 0.227 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

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

Tot Ion: 41 Resp: 1156
Ion Ratio Lower Upper
41 100
69 33.7 63.4 95.2#
39 47.6 48.9 73.3#

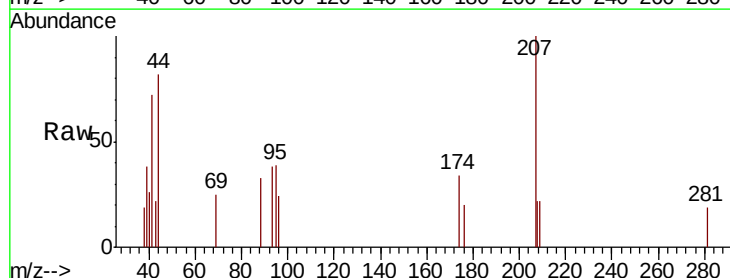


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

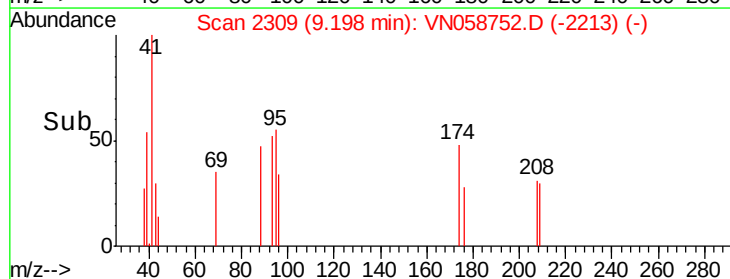
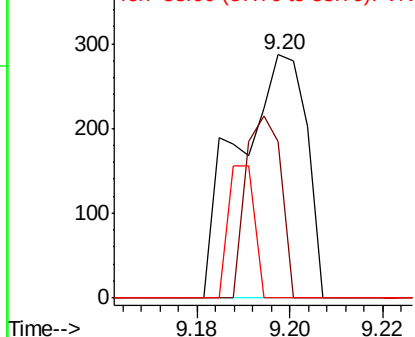


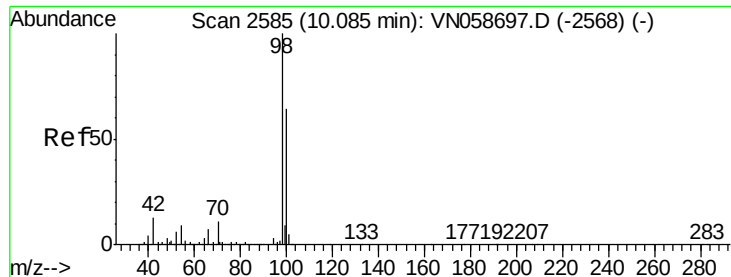
#49
1,4-Dioxane
Concen: 3.757 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 88 Resp: 296
Ion Ratio Lower Upper
88 100
43 38.2 28.6 43.0
58 20.3 57.2 85.8#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 50.319 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

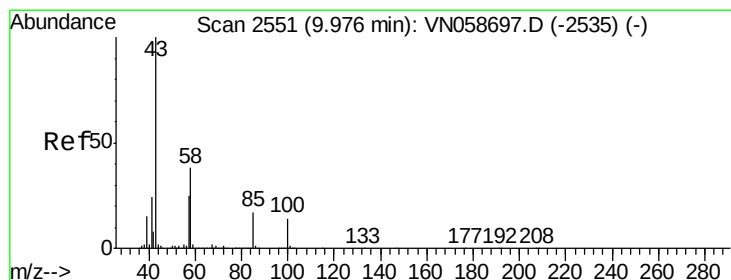
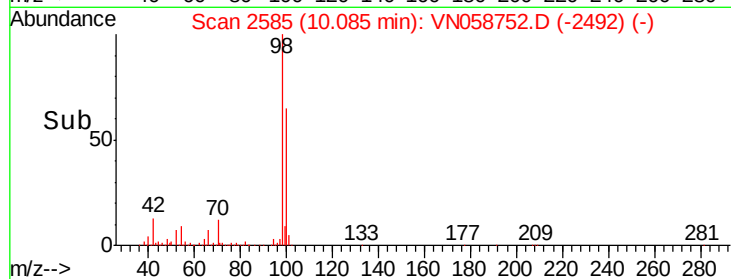
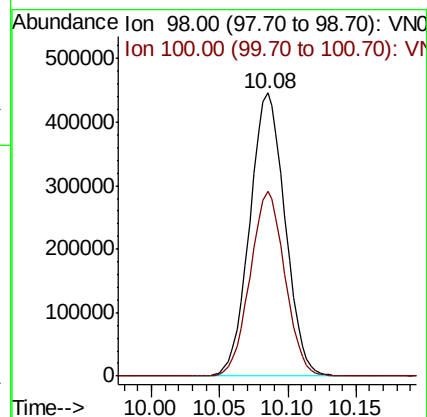
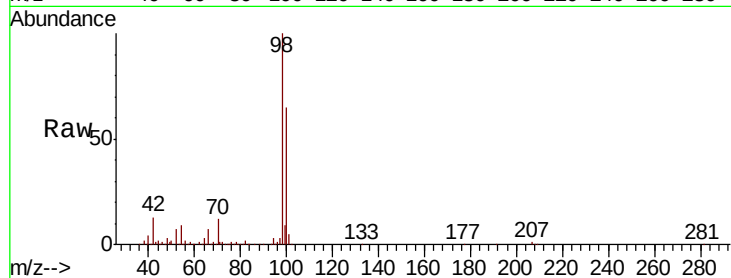
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 98 Resp: 801701

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 1.017 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058752.D

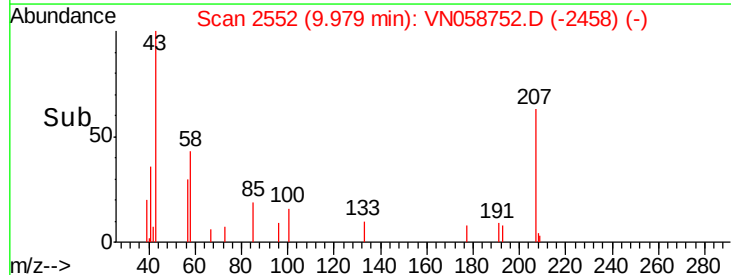
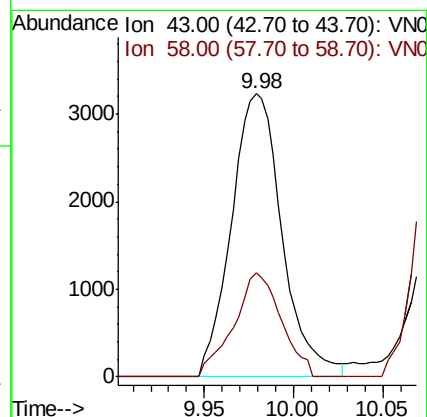
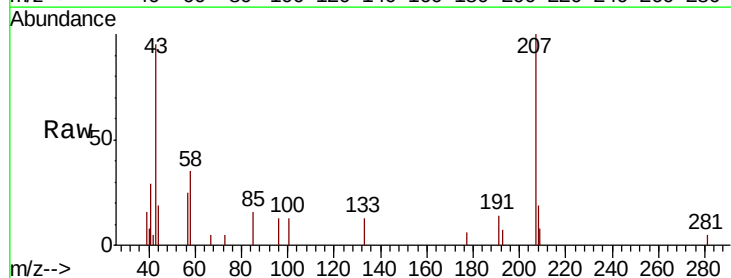
Acq: 14 Oct 2019 16:11

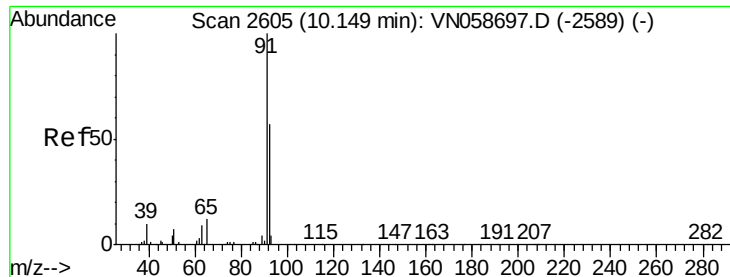
Tgt Ion: 43 Resp: 6420

Ion Ratio Lower Upper

43 100

58 34.4 30.3 45.5





#52

Toluene

Concen: 0.205 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

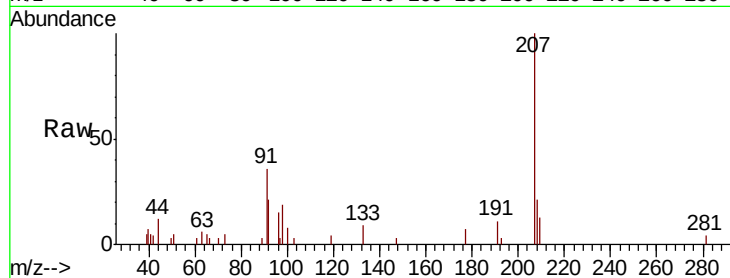
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 92 Resp: 2351

Ion Ratio Lower Upper

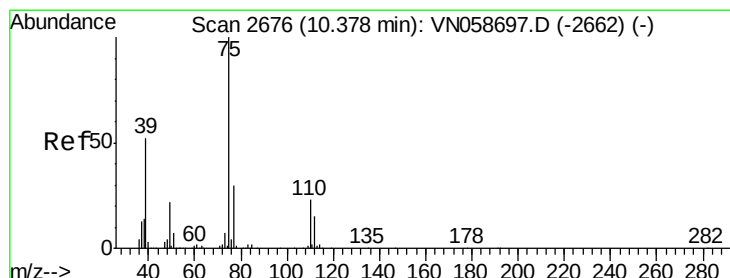
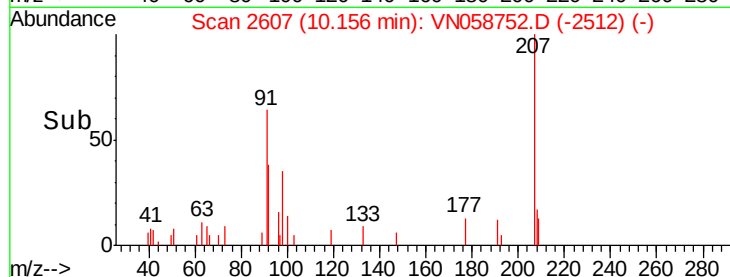
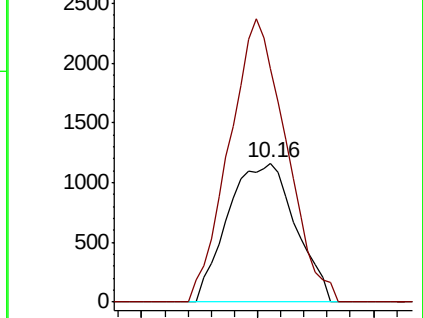
92 100

91 172.1 139.1 208.7



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: 0.322 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058752.D

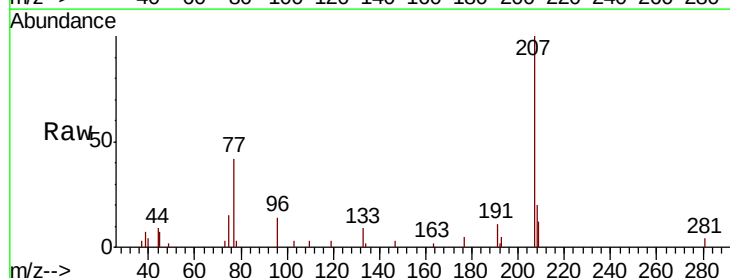
Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 2392

Ion Ratio Lower Upper

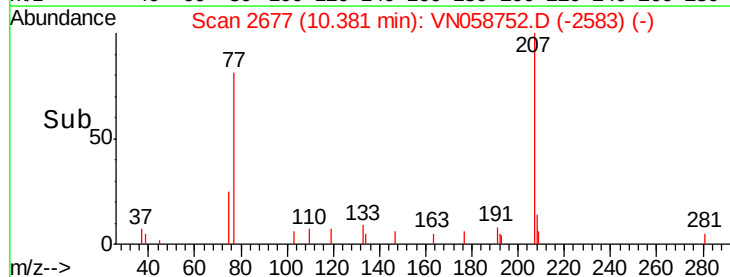
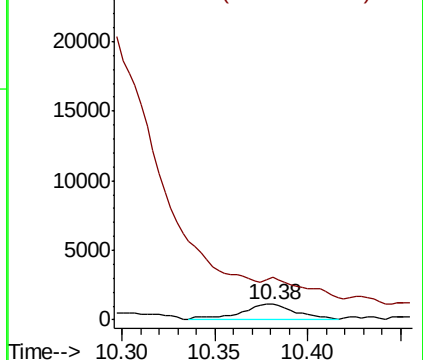
75 100

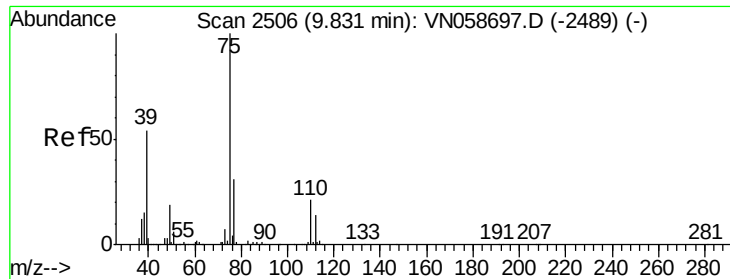
77 133.9 26.2 39.4#



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: 0.201 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

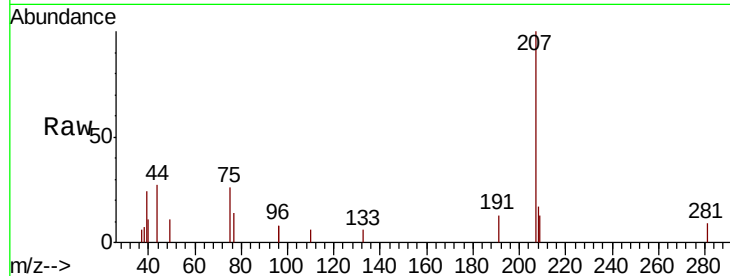
Tot Ion: 75 Resp: 1581

Ion Ratio Lower Upper

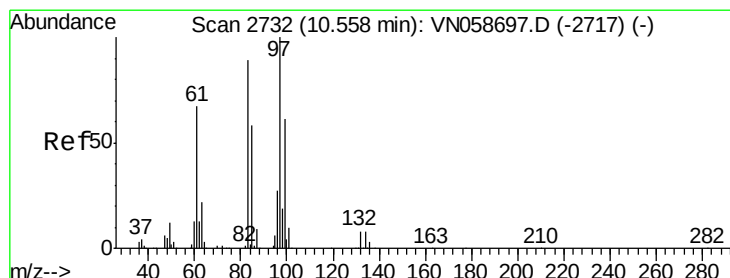
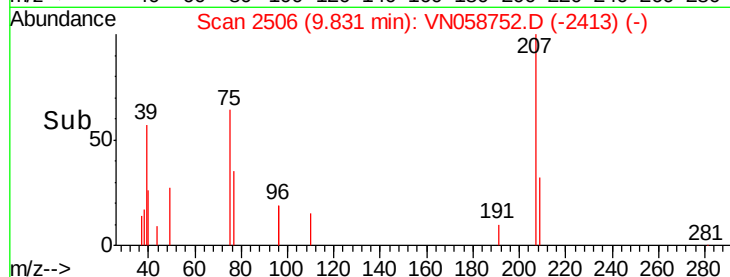
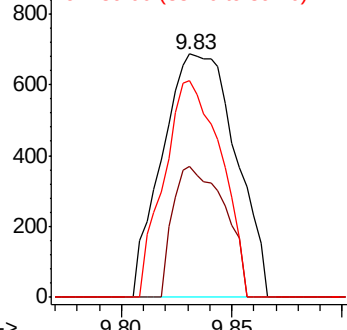
75 100

77 53.9 24.4 36.6#

39 89.2 43.1 64.7#



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC
Ion 39.00 (38.70 to 39.70): VNC



#55

1,1,2-Trichloroethane

Concen: 0.237 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion: 97 Resp: 1112

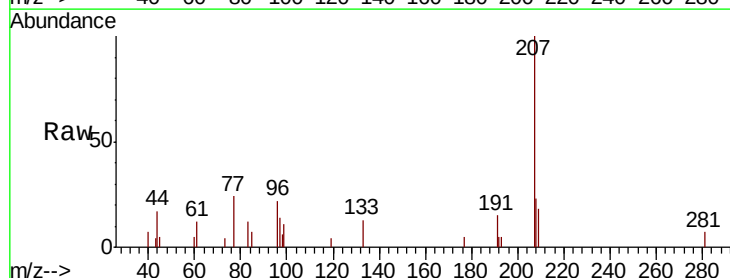
Ion Ratio Lower Upper

97 100

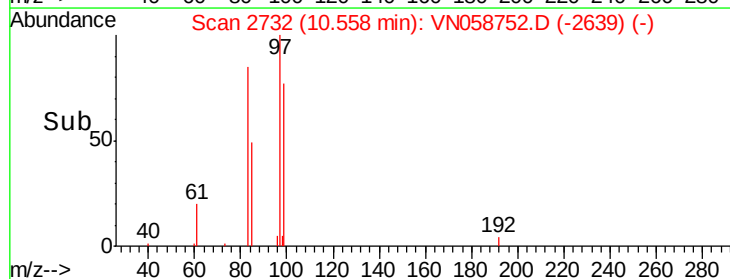
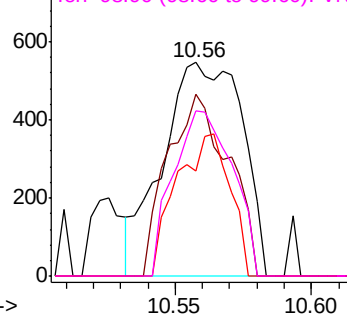
83 85.0 71.2 106.8

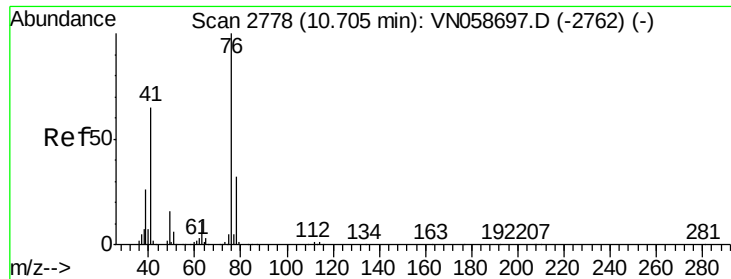
85 49.2 46.7 70.1

99 77.3 49.0 73.6#



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





#57

1,3-Dichloropropane

Concen: 0.243 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

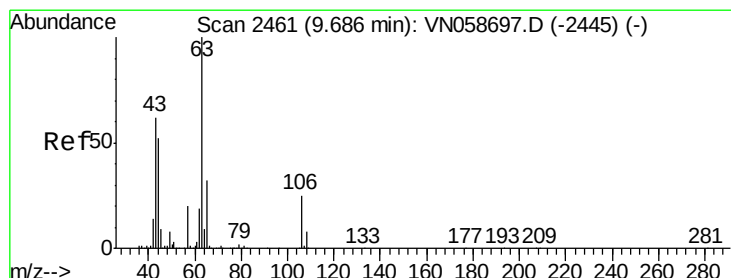
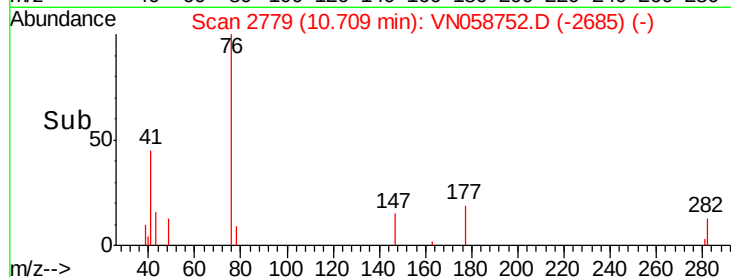
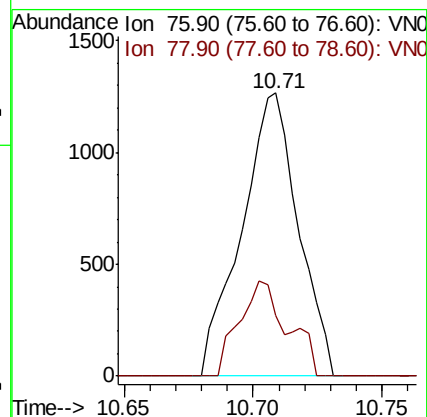
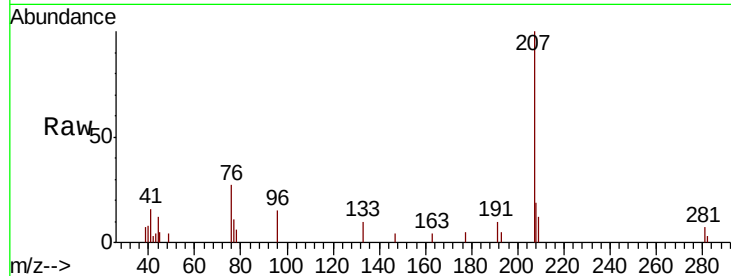
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 76 Resp: 1940

Ion Ratio Lower Upper

76 100

78 28.7 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 0.776 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058752.D

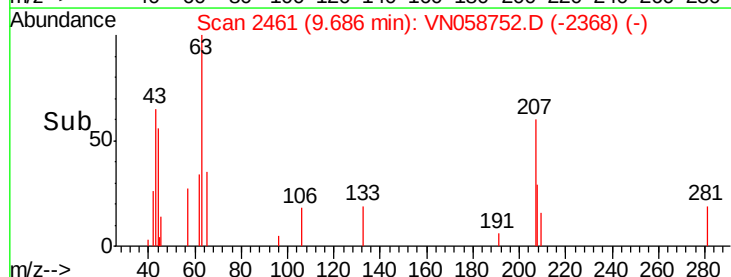
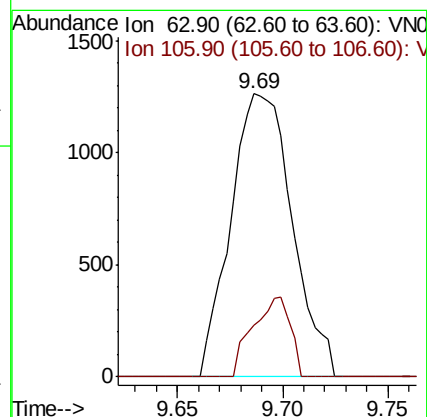
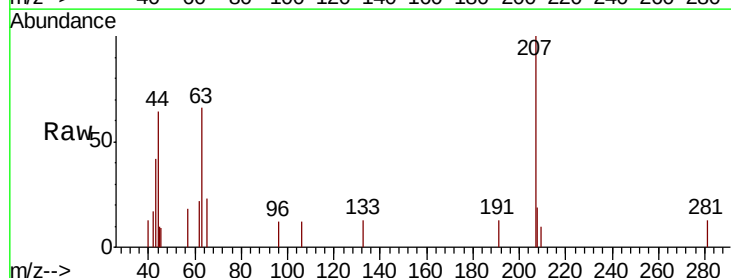
Acq: 14 Oct 2019 16:11

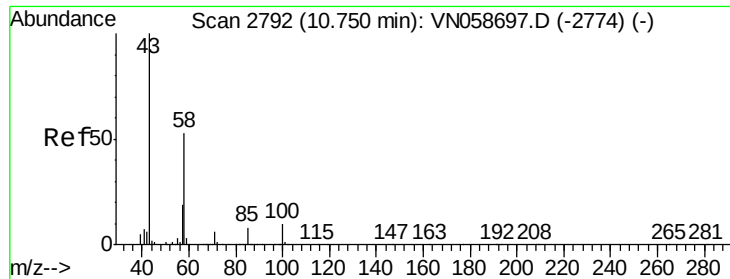
Tgt Ion: 63 Resp: 2561

Ion Ratio Lower Upper

63 100

106 17.2 20.0 30.0#

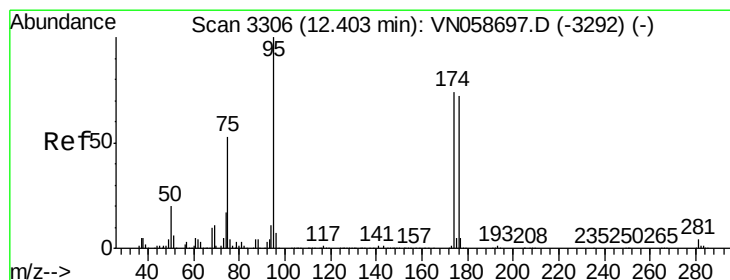
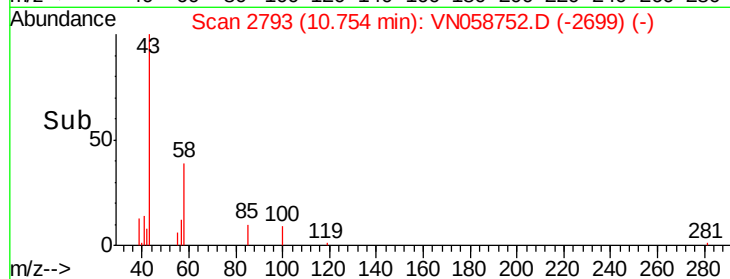
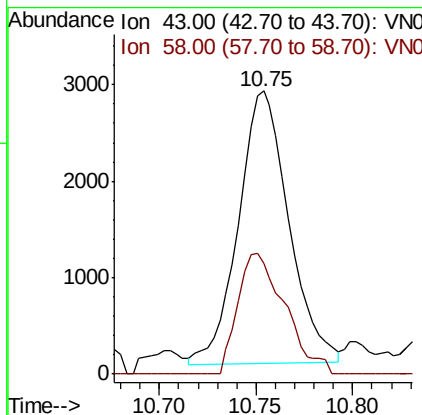
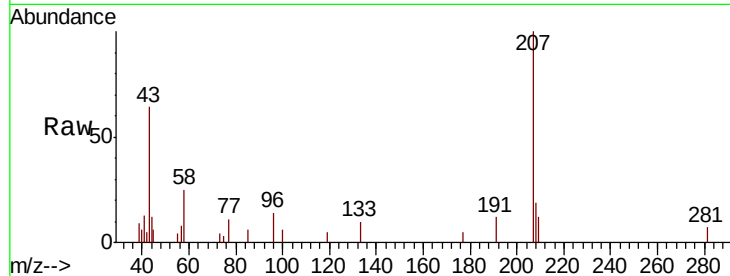




#59
2-Hexanone
Concen: 1.051 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

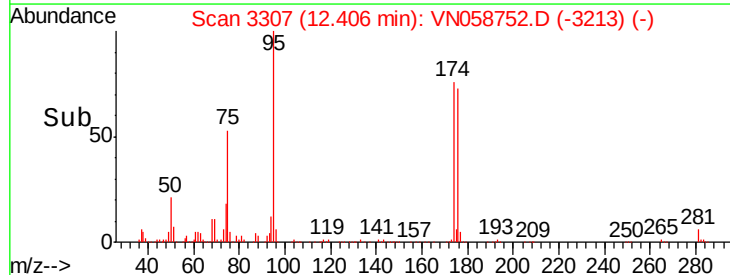
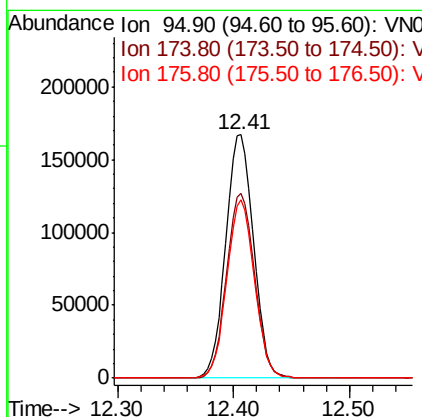
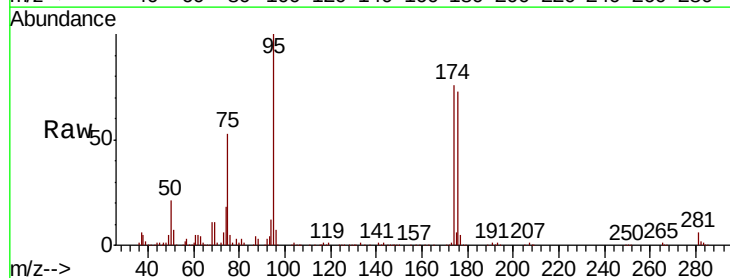
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

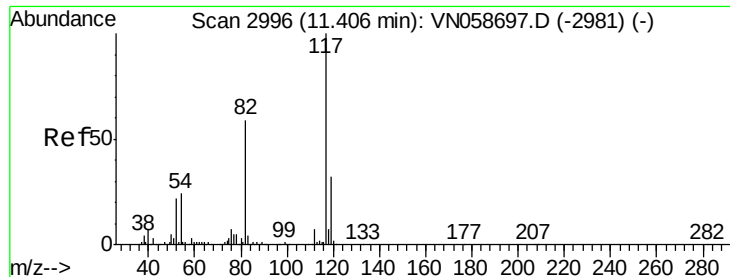
Tot Ion: 43 Resp: 5125
Ion Ratio Lower Upper
43 100
58 41.2 26.1 78.3



#62
4-Bromofluorobenzene
Concen: 45.879 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 95 Resp: 276688
Ion Ratio Lower Upper
95 100
174 76.2 0.0 150.4
176 72.6 0.0 146.8

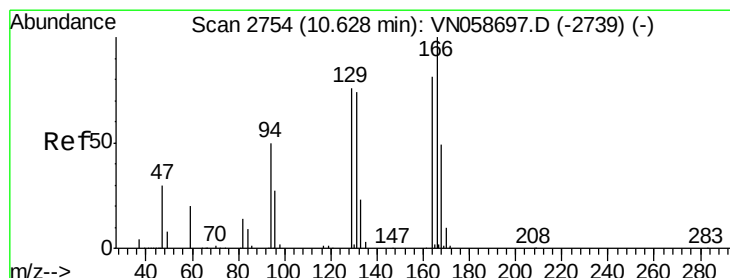
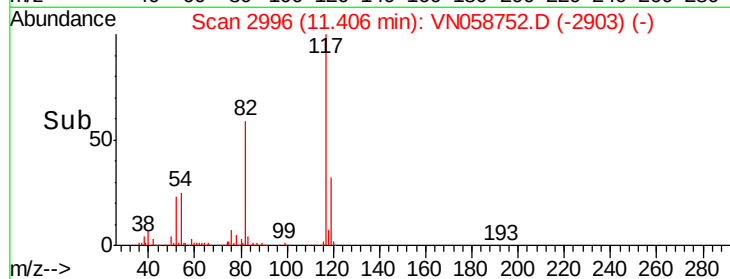
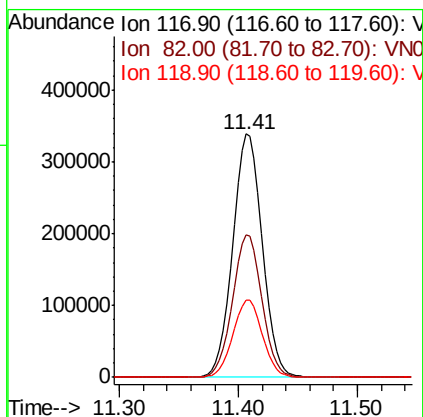
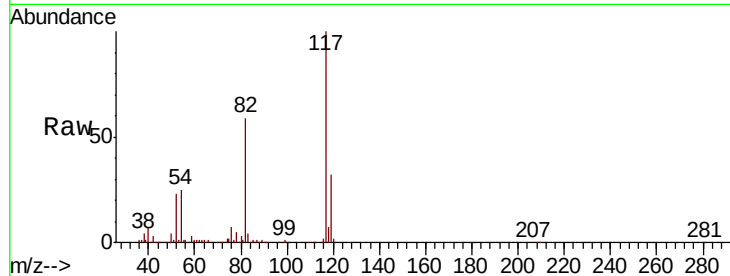




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

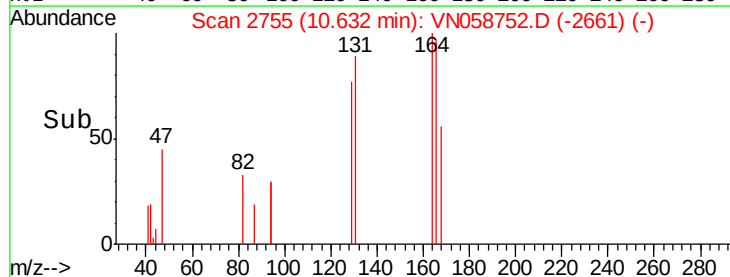
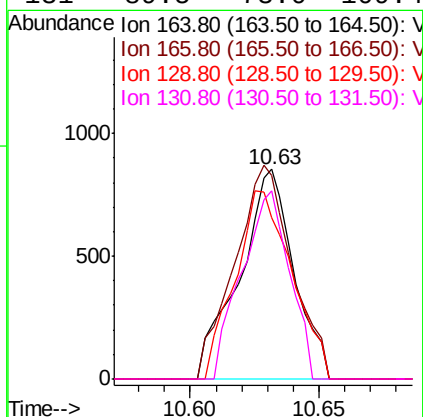
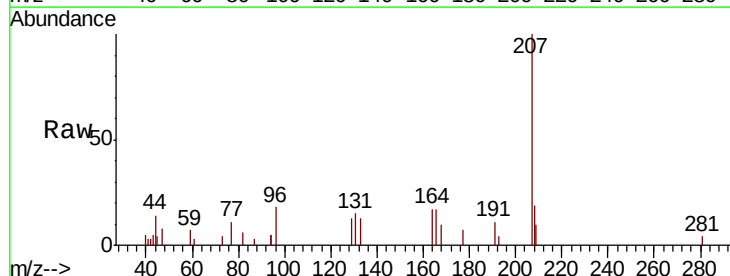
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

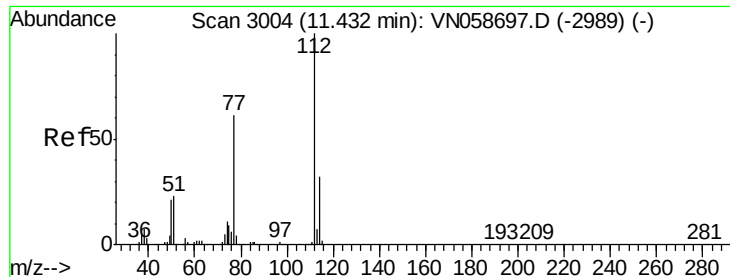
Tot Ion:117 Resp: 583200
Ion Ratio Lower Upper
117 100
82 58.8 47.0 70.4
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 0.308 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion:164 Resp: 1256
Ion Ratio Lower Upper
164 100
166 97.3 99.3 148.9#
129 76.8 75.2 112.8
131 89.5 73.0 109.4

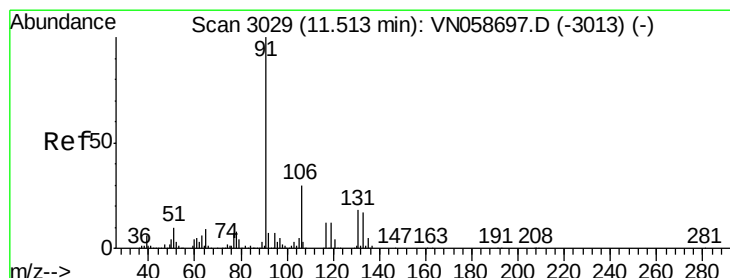
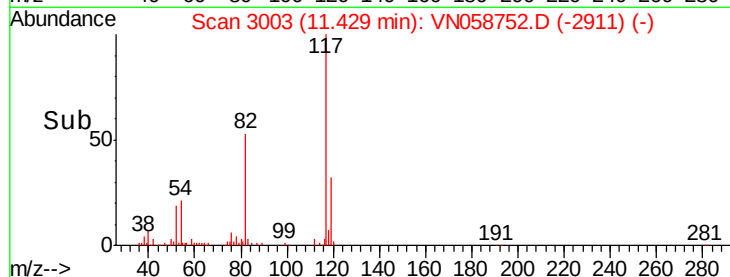
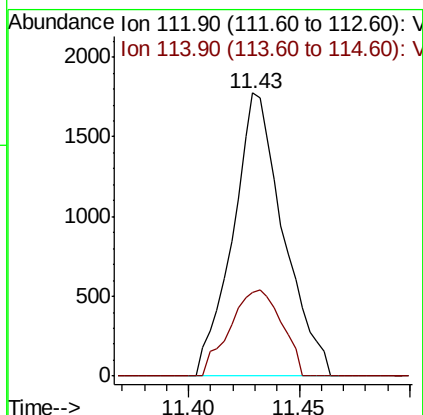
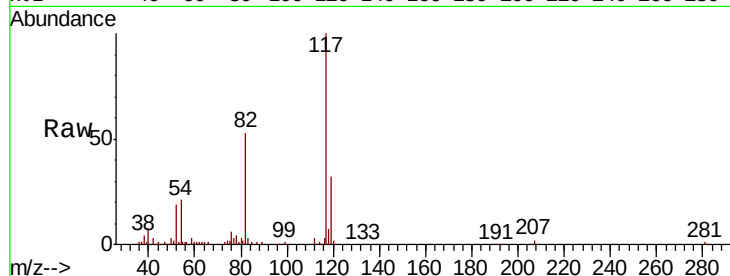




#65
Chlorobenzene
Concen: 0.238 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

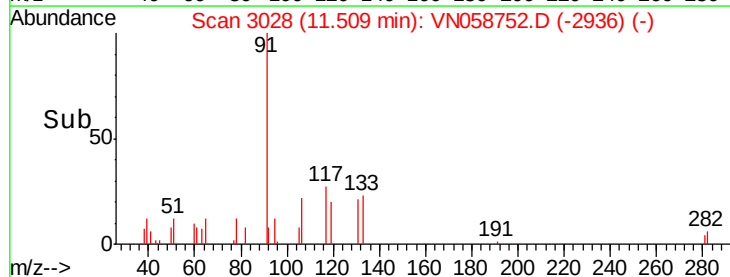
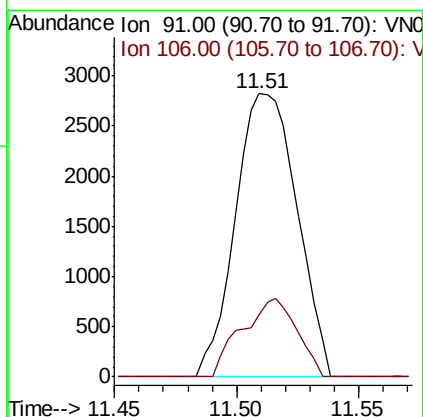
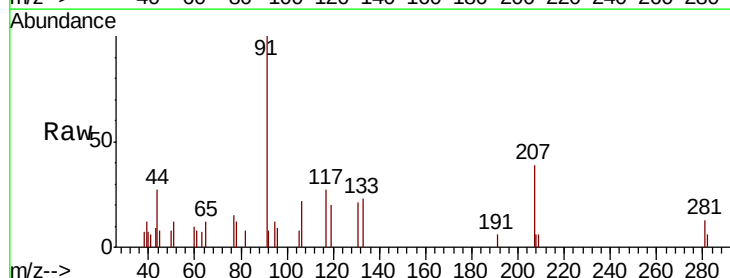
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

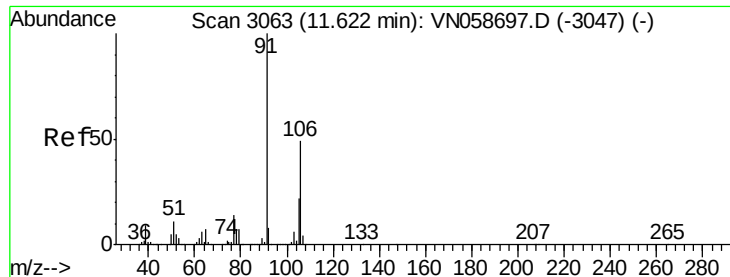
Tot Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
114 29.4 25.2 37.8



#67
Ethyl Benzene
Concen: 0.234 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 4938
Ion Ratio Lower Upper
91 100
106 21.8 24.1 36.1#

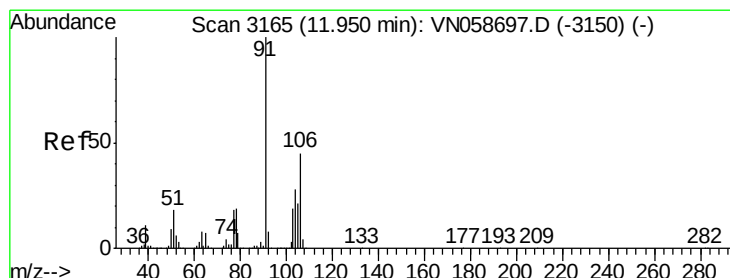
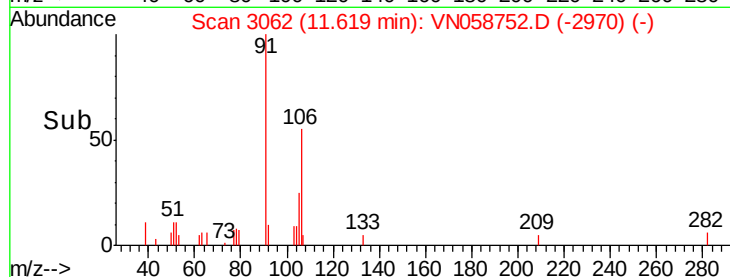
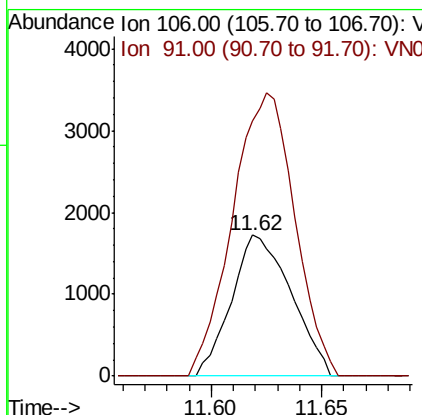
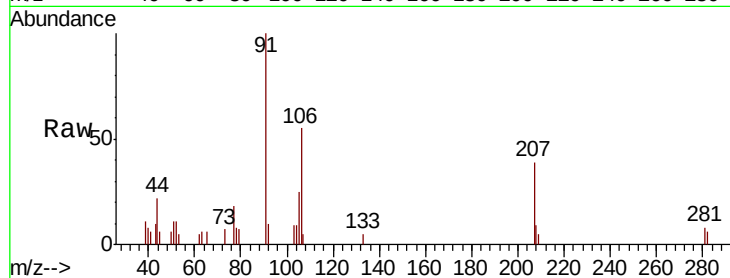




#68
m/p-Xylenes
Concen: 0.409 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

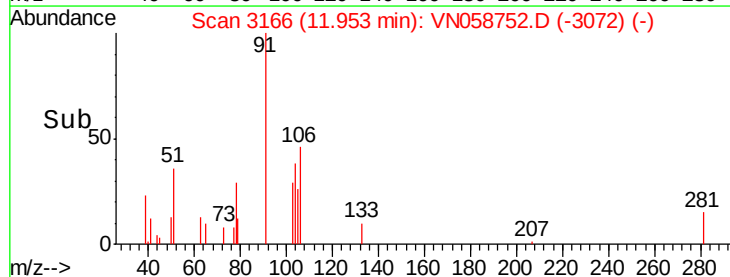
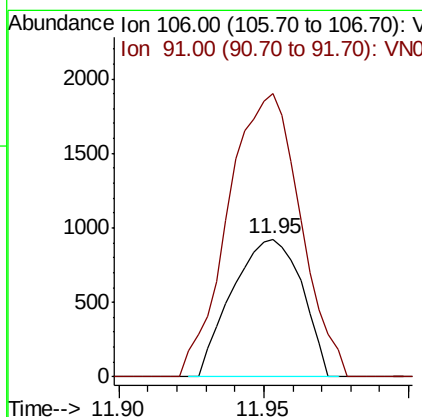
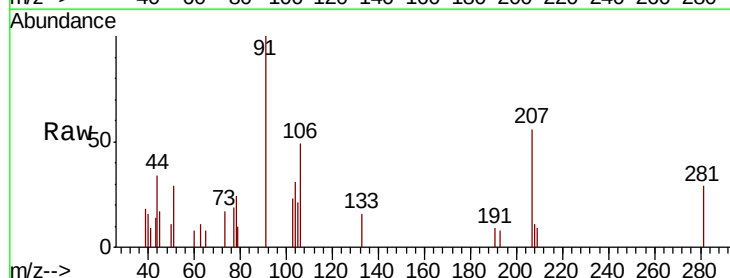
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2019

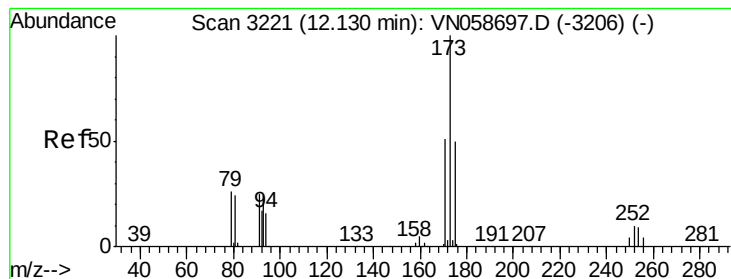
Tot Ion:106 Resp: 3242
Ion Ratio Lower Upper
106 100
91 208.7 165.7 248.5



#69
o-Xylene
Concen: 0.201 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058752.D
Acq: 14 Oct 2019 16:11

Tgt Ion:106 Resp: 1544
Ion Ratio Lower Upper
106 100
91 212.9 110.9 332.9





#71

Bromoform

Concen: 0.206 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

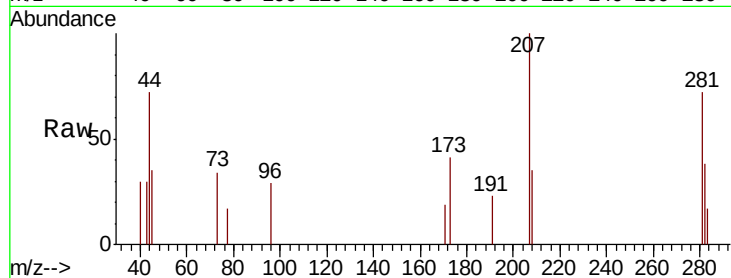
Tot Ion:173 Resp: 660

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

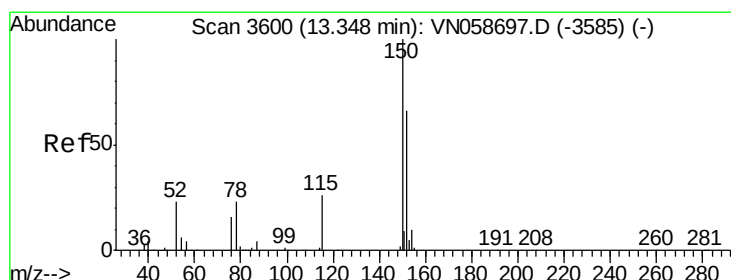
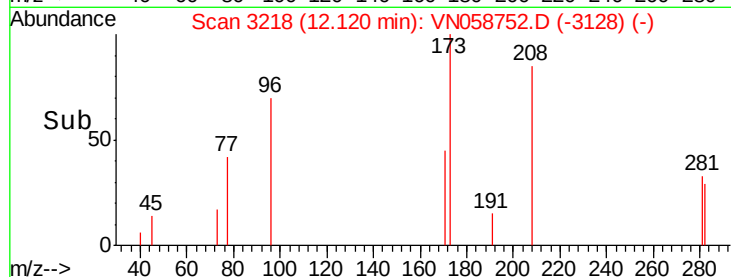
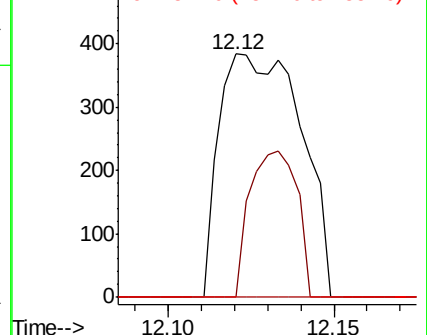
254 0.0 0.1 0.1#



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: VN058752.D

Acq: 14 Oct 2019 16:11

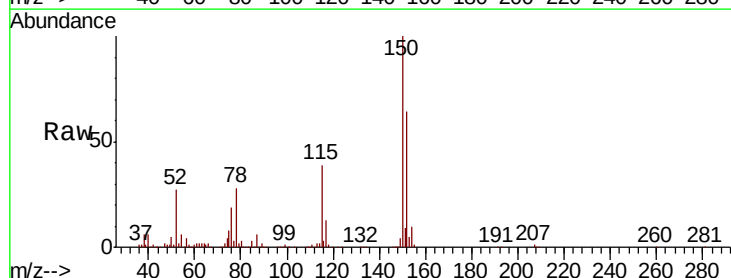
Tgt Ion:152 Resp: 244221

Ion Ratio Lower Upper

152 100

115 60.0 30.4 91.2

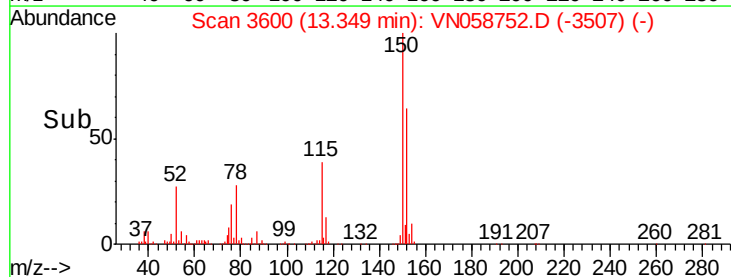
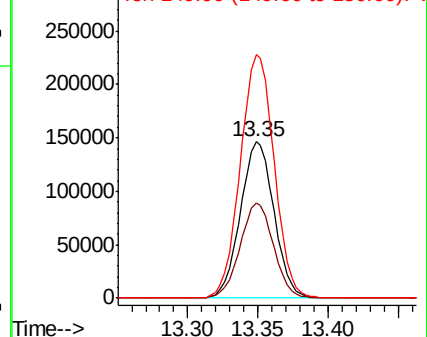
150 156.7 0.0 345.4

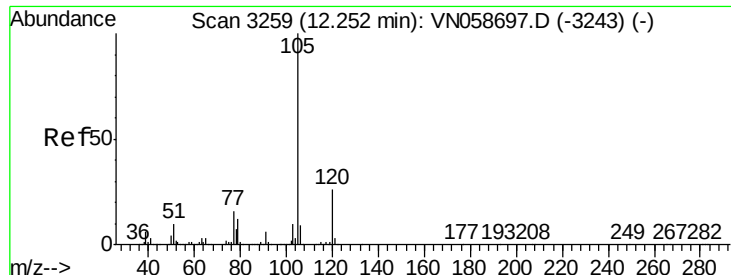


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.225 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

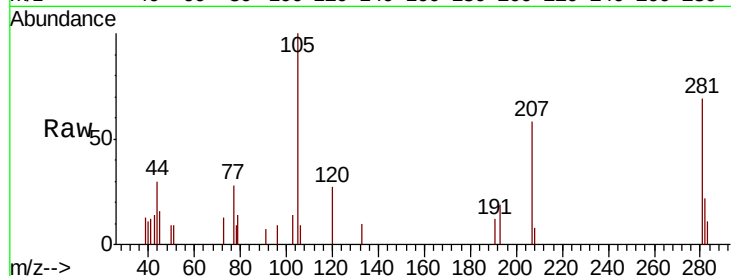
LOD-MDL-WATER-01-QT4-2019

Tot Ion: 105 Resp: 3988

Ion Ratio Lower Upper

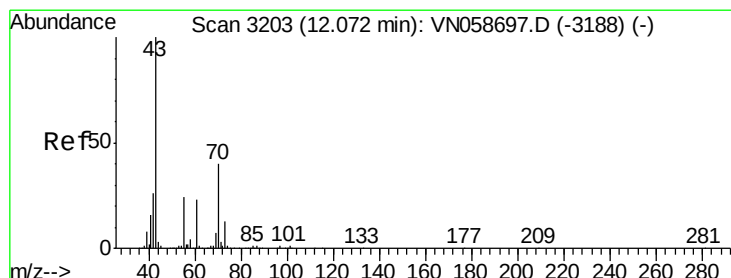
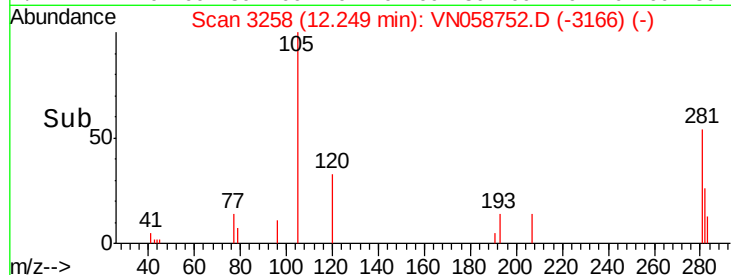
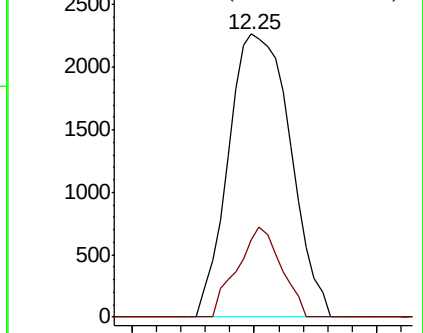
105 100

120 22.5 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: 0.207 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Tgt Ion: 43 Resp: 1648

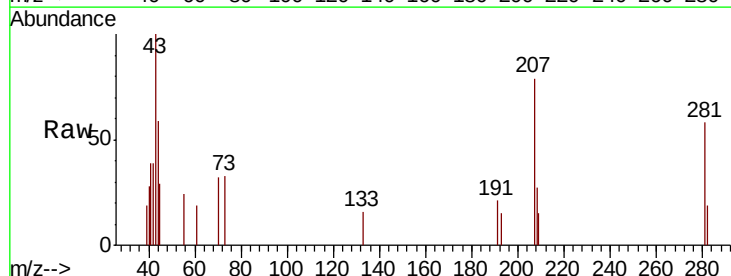
Ion Ratio Lower Upper

43 100

70 34.6 32.2 48.4

55 23.8 19.6 29.4

61 17.6 18.6 28.0#

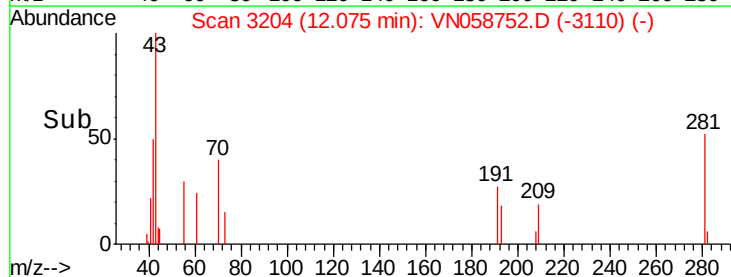
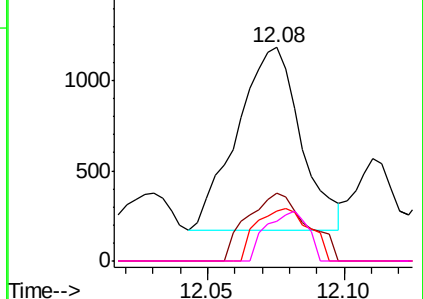


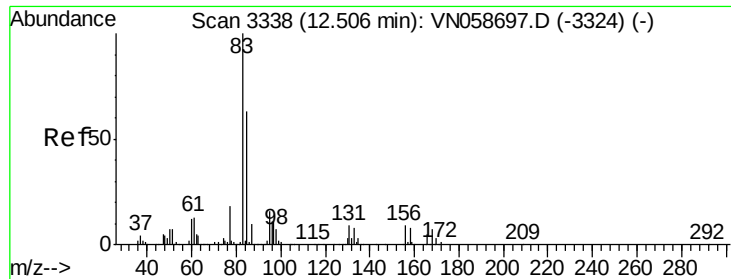
Abundance Ion 43.00 (42.70 to 43.70): V

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: 0.267 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

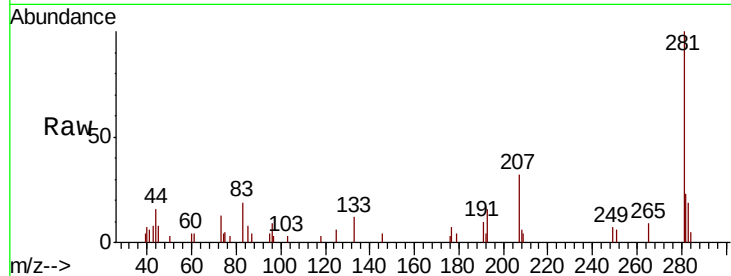
Tot Ion: 83 Resp: 1553

Ion Ratio Lower Upper

83 100

131 7.6 4.8 14.4

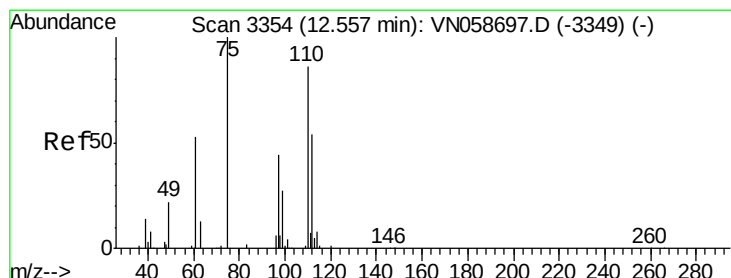
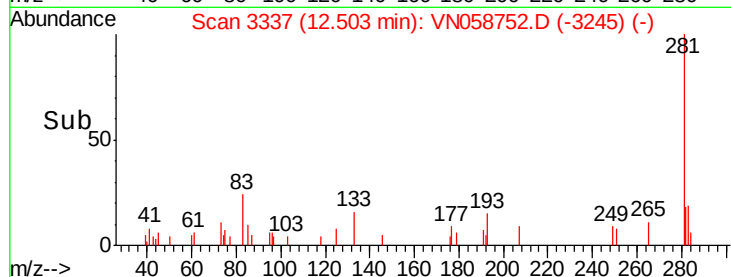
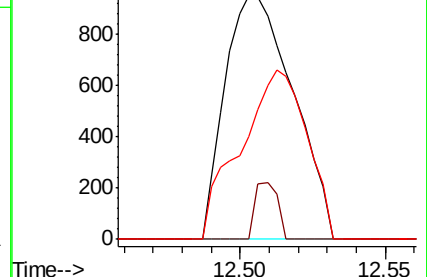
85 67.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.920 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058752.D

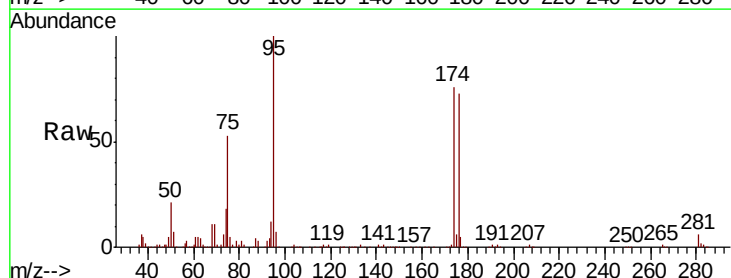
Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 149585

Ion Ratio Lower Upper

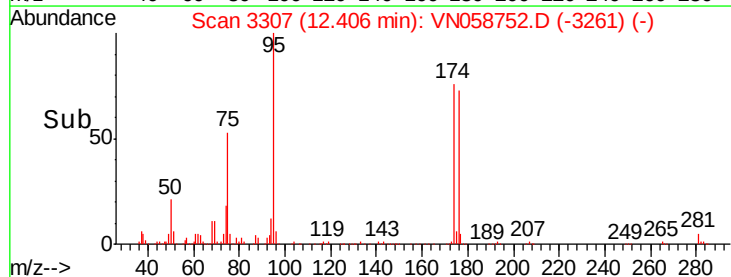
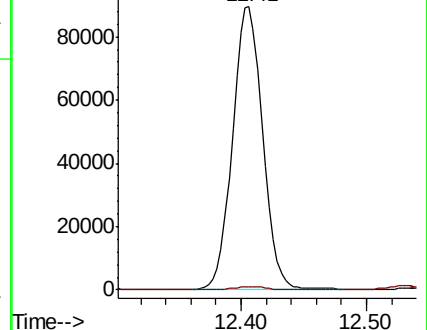
75 100

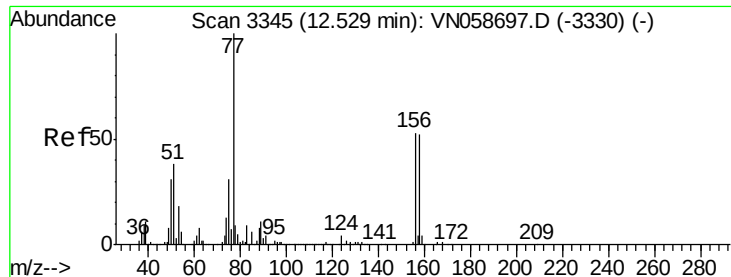
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.236 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.01 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

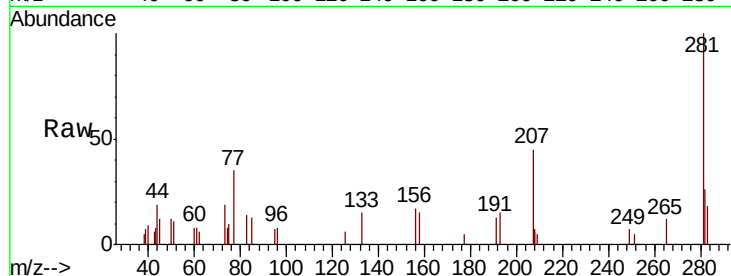
Tot Ion:156 Resp: 1014

Ion Ratio Lower Upper

156 100

77 325.5 115.8 347.3

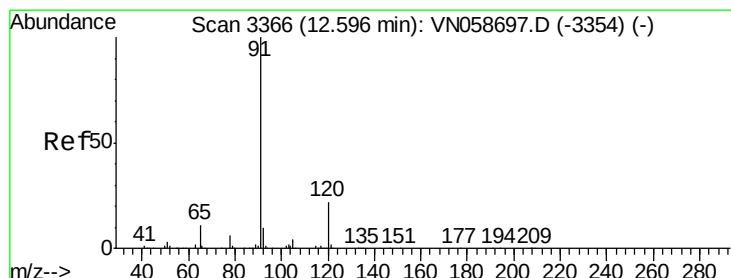
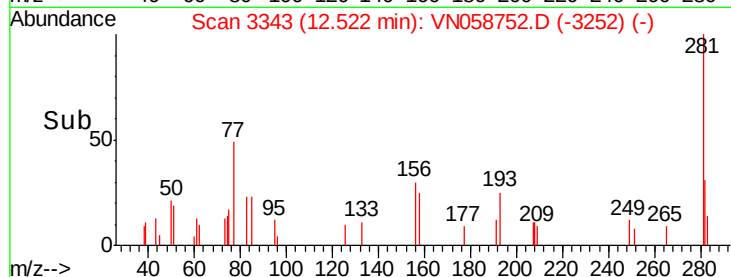
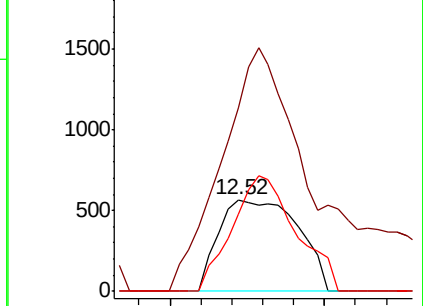
158 101.3 48.9 146.6



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: 0.230 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058752.D

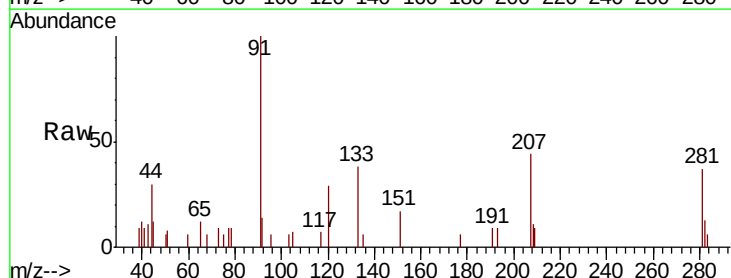
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 4745

Ion Ratio Lower Upper

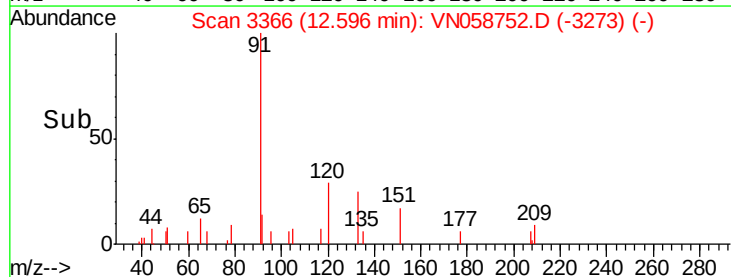
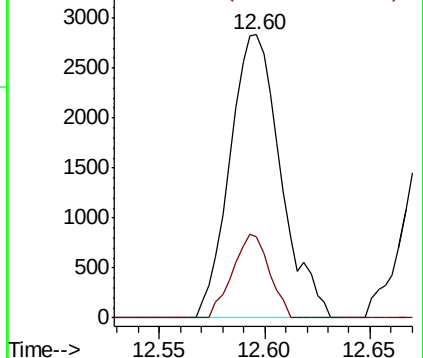
91 100

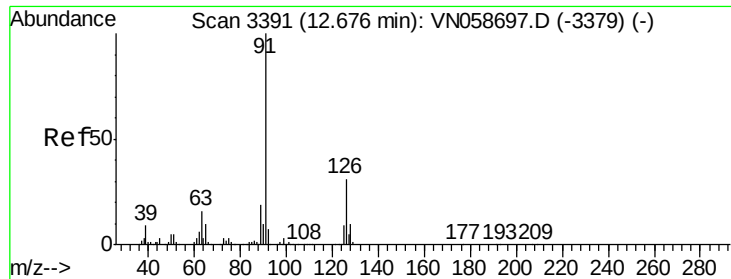
120 21.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

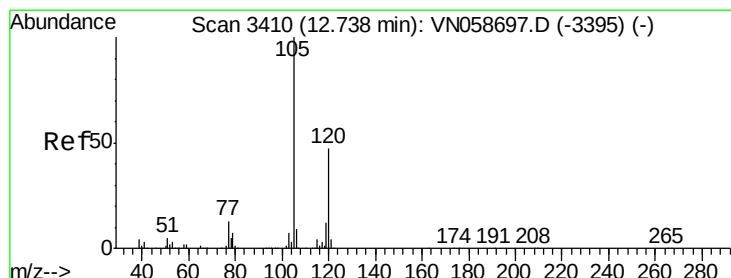
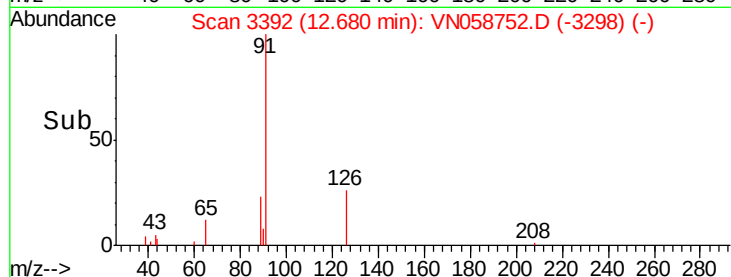
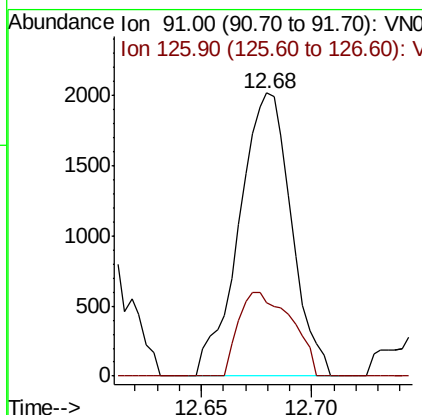
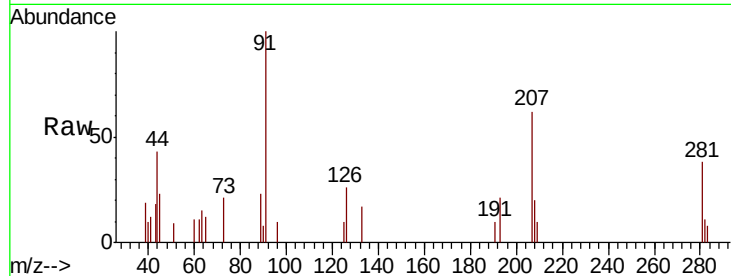




#79
 2-Chlorotoluene
 Concen: 0.259 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

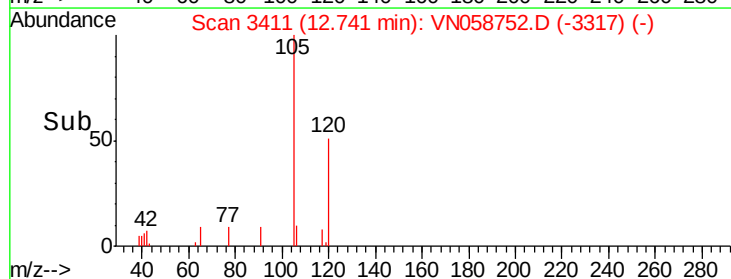
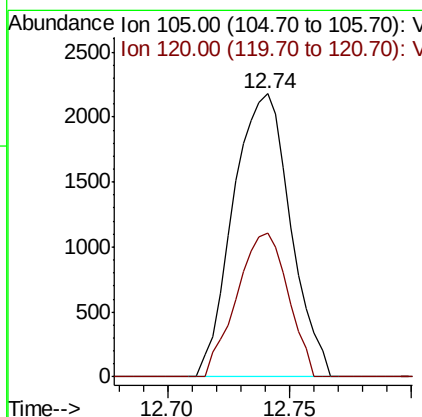
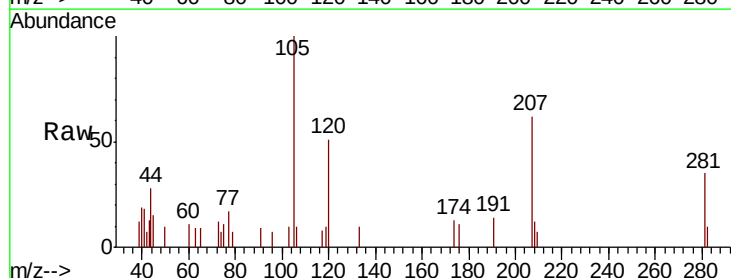
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

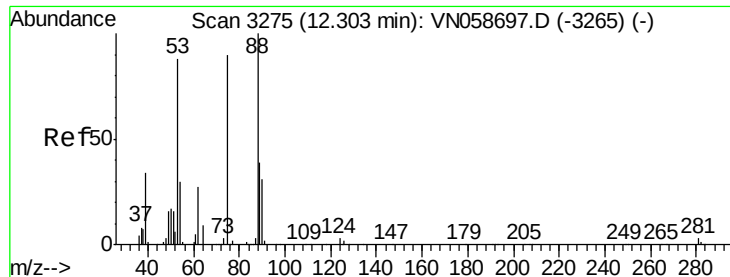
Tot Ion: 91 Resp: 3318
 Ion Ratio Lower Upper
 91 100
 126 30.0 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 0.235 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 105 Resp: 3550
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 74.789 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

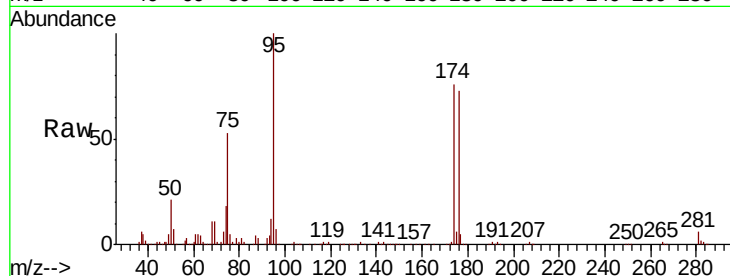
Tot Ion: 75 Resp: 149585

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

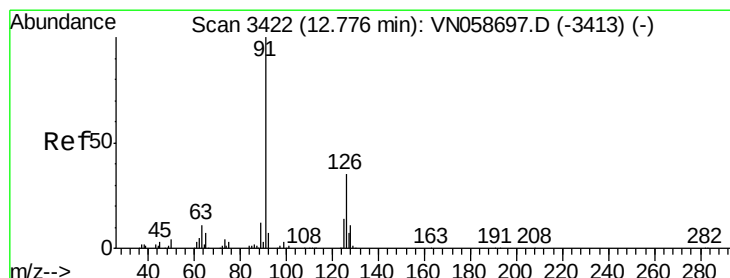
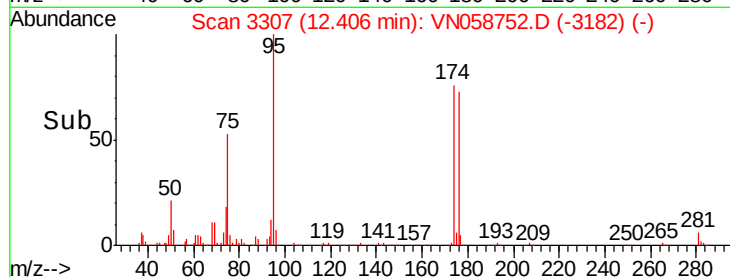
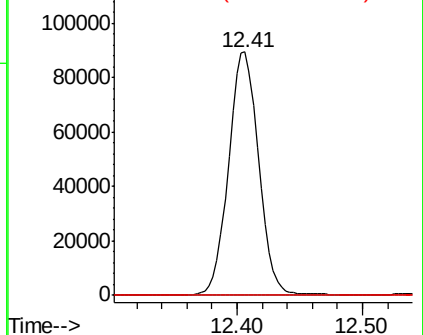
89 0.0 34.9 52.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 0.244 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058752.D

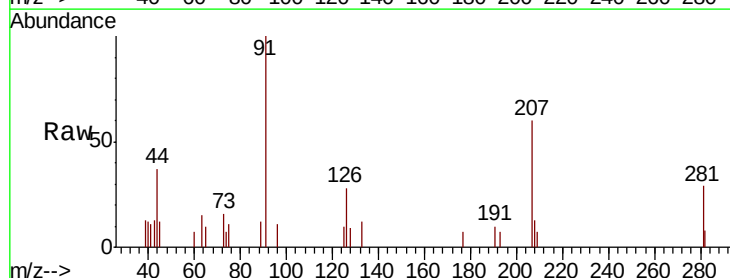
Acq: 14 Oct 2019 16:11

Tgt Ion: 91 Resp: 3205

Ion Ratio Lower Upper

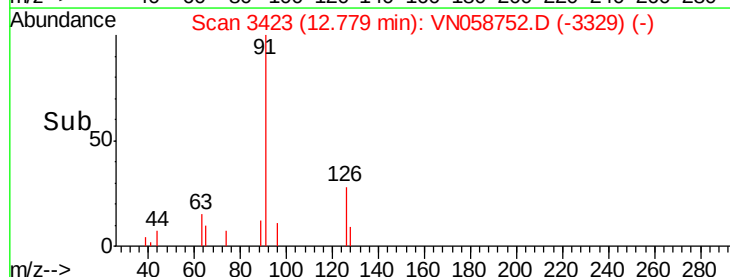
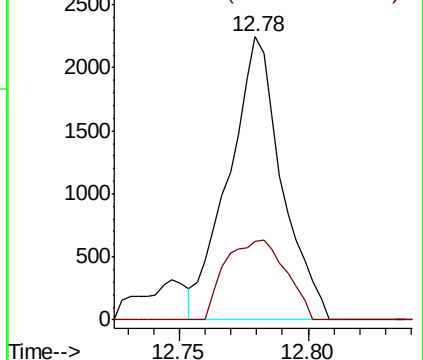
91 100

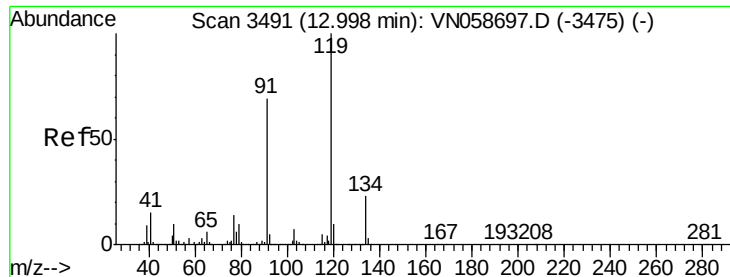
126 32.4 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

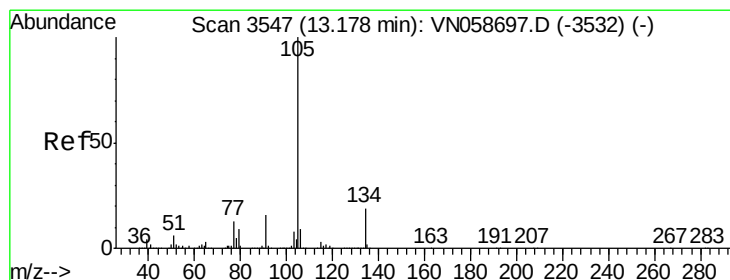
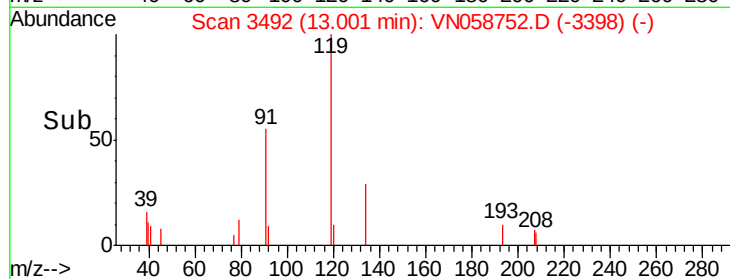
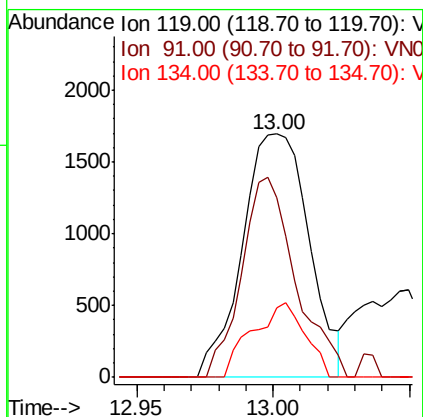
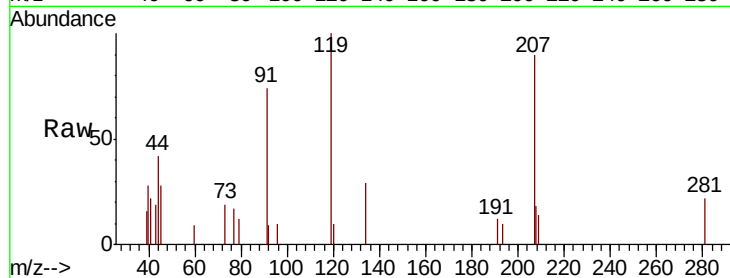




#83
 tert-Butylbenzene
 Concen: 0.223 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

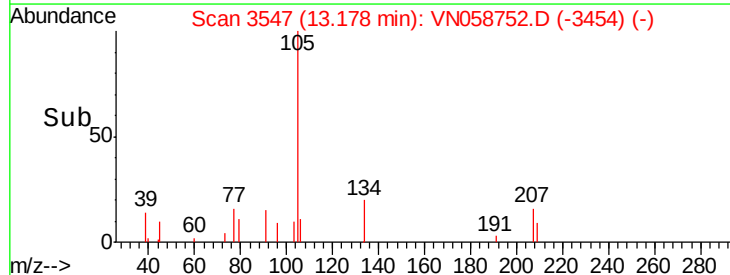
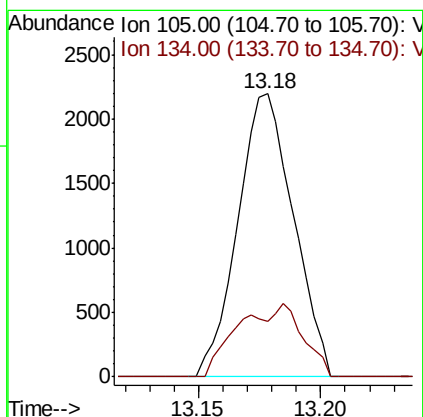
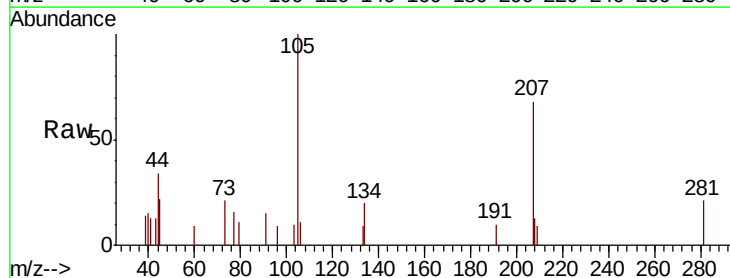
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2019

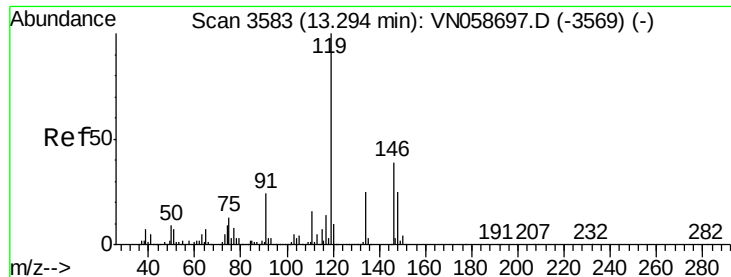
Tot Ion:119 Resp: 2885
 Ion Ratio Lower Upper
 119 100
 91 66.2 33.8 101.3
 134 24.3 12.6 37.6



#85
 sec-Butylbenzene
 Concen: 0.204 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion:105 Resp: 3470
 Ion Ratio Lower Upper
 105 100
 134 14.1 9.7 29.1





#86

p-Isopropyltoluene

Concen: 0.205 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

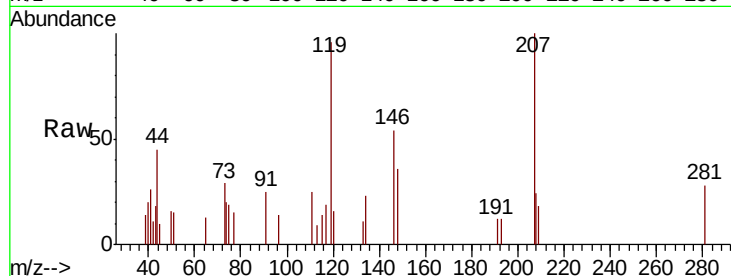
Tot Ion:119 Resp: 3178

Ion Ratio Lower Upper

119 100

134 17.6 12.7 38.1

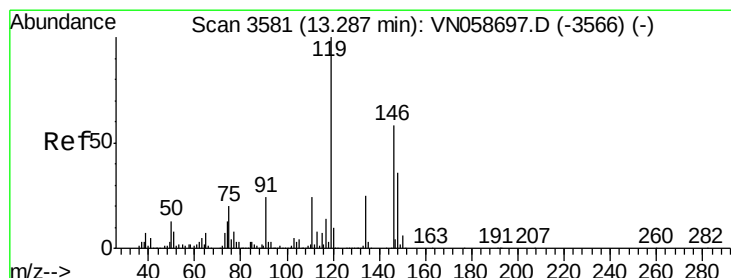
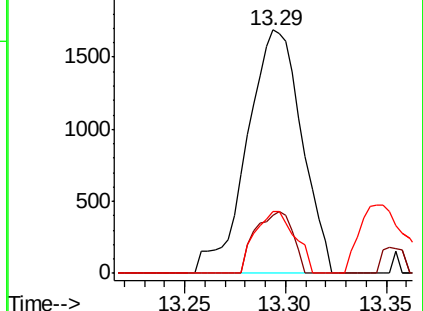
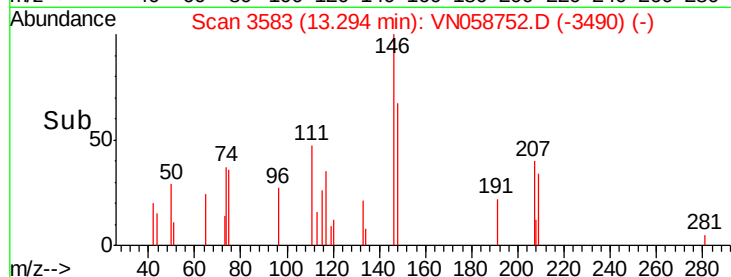
91 18.8 11.9 35.5



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: 0.230 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

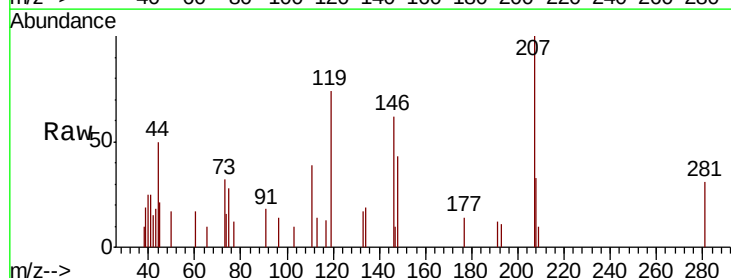
Tgt Ion:146 Resp: 1822

Ion Ratio Lower Upper

146 100

111 44.4 20.5 61.6

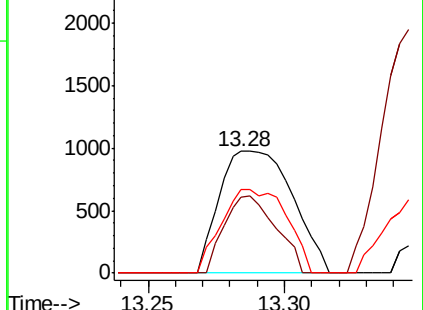
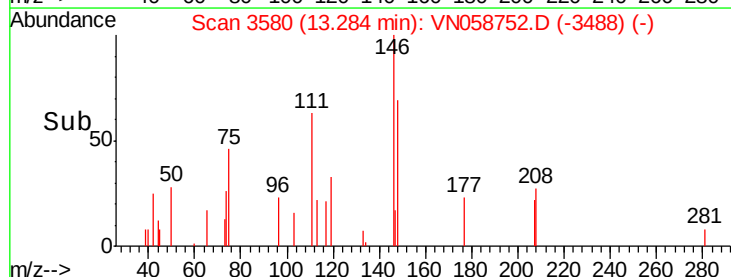
148 60.8 31.3 93.9

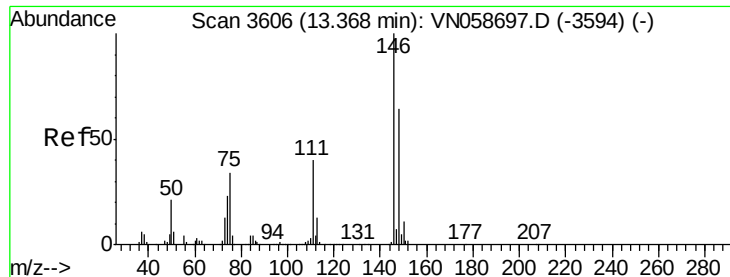


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.226 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

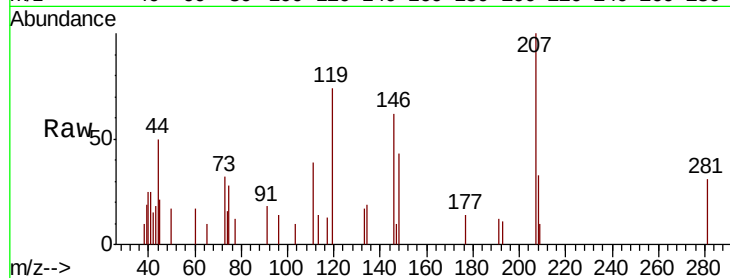
Tot Ion:146 Resp: 1822

Ion Ratio Lower Upper

146 100

111 44.4 20.1 60.2

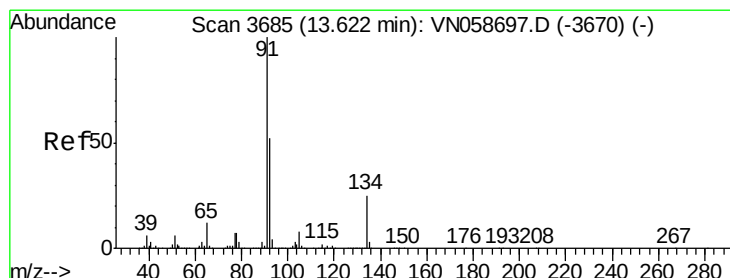
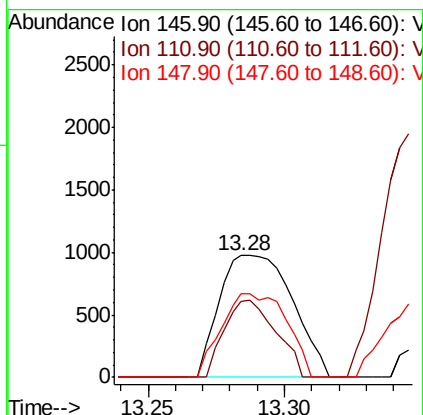
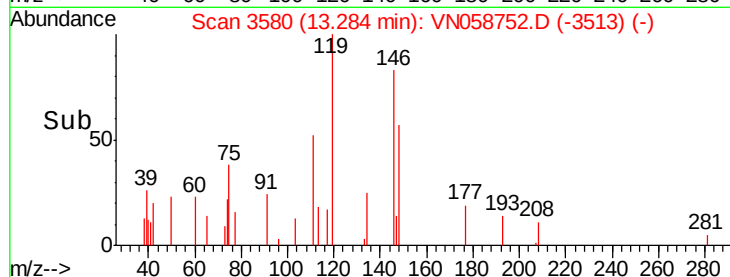
148 60.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.216 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

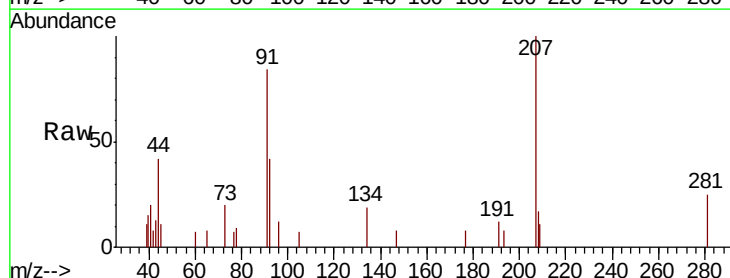
Tgt Ion: 91 Resp: 3091

Ion Ratio Lower Upper

91 100

92 45.0 26.0 78.0

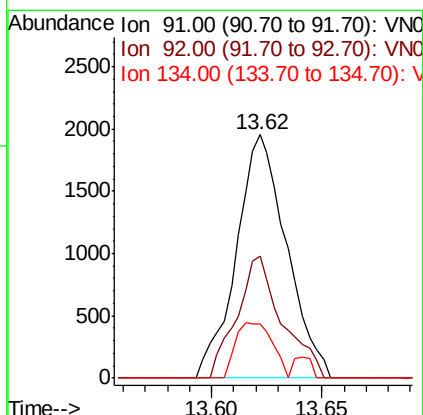
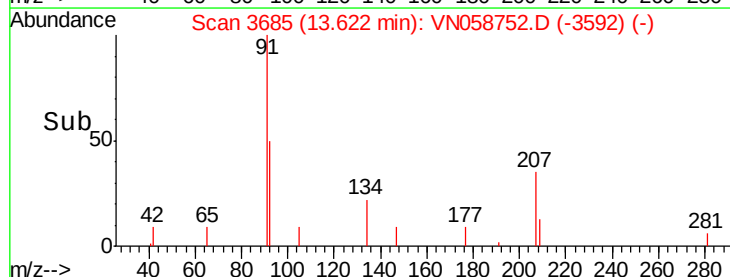
134 16.8 12.2 36.6

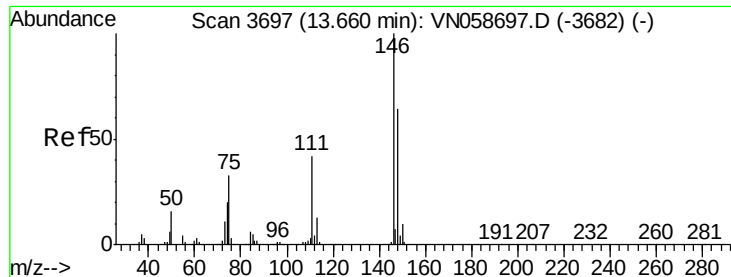


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

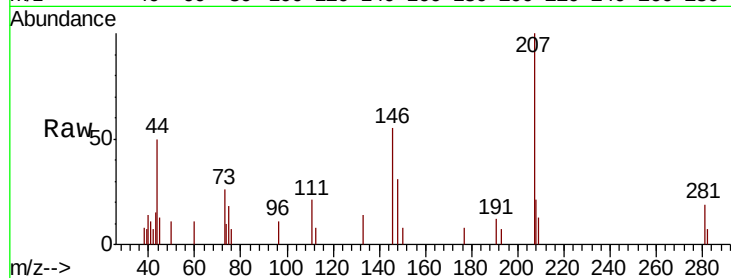




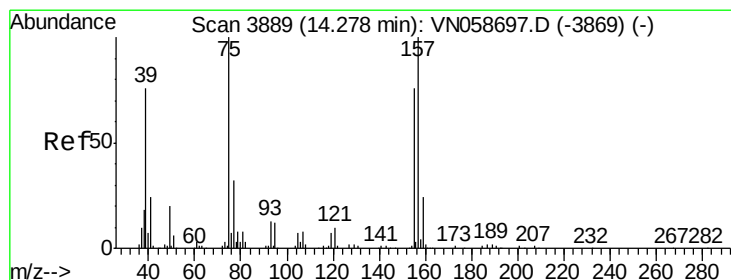
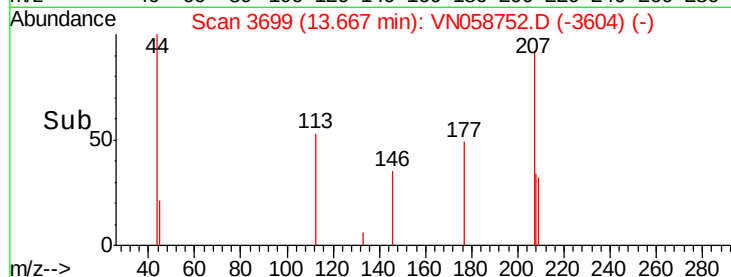
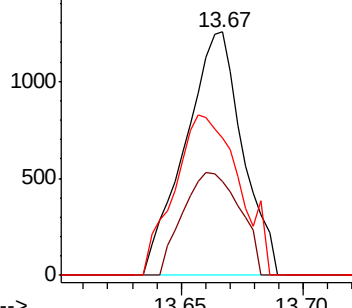
#91
 1,2-Dichlorobenzene
 Concen: 0.265 ug/l
 RT: 13.67 min Scan# 3699
 Delta R.T. 0.01 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

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

Tot Ion:146 Resp: 2051
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.4
 148 73.9 31.8 95.3

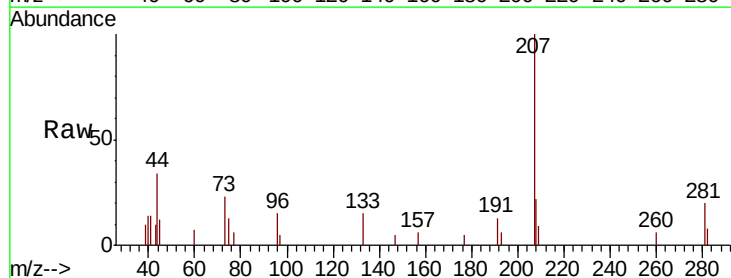


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

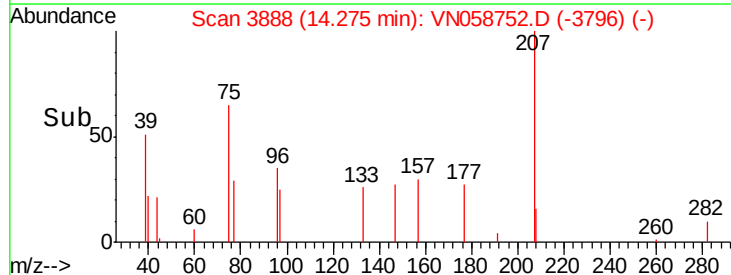
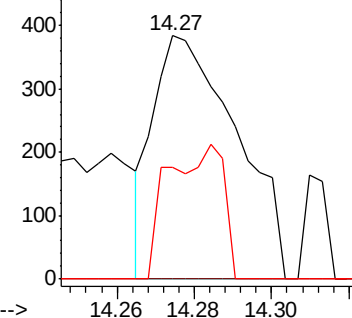


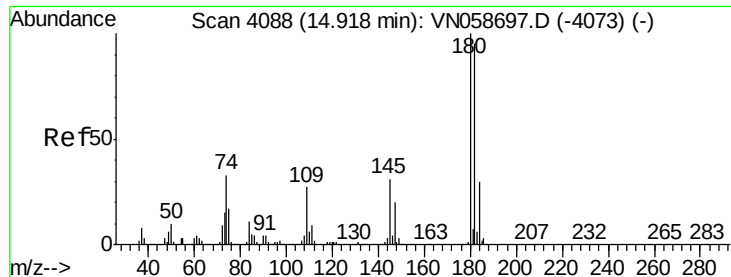
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.423 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion: 75 Resp: 576
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.9 113.6#
 157 36.6 49.4 148.2#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

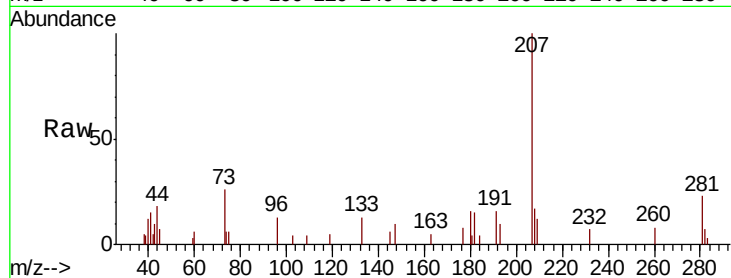




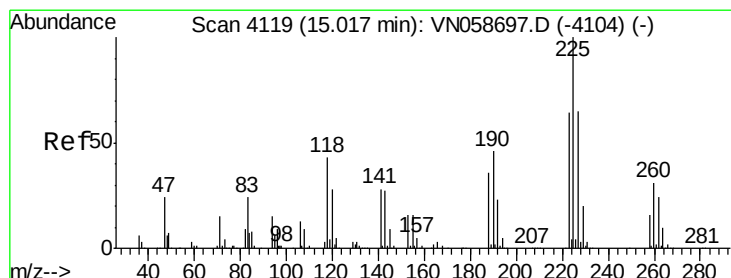
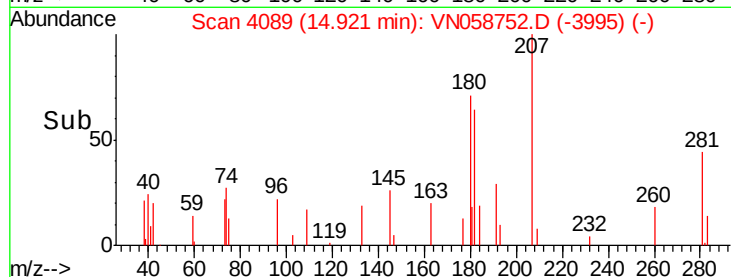
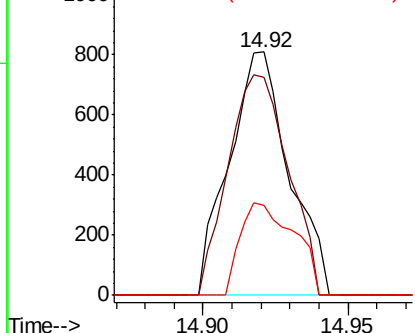
#93
 1,2,4-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

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

Tot Ion:180 Resp: 1165
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.4 142.2
 145 34.2 15.4 46.2

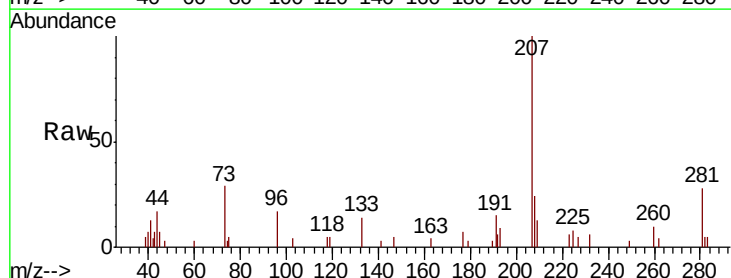


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

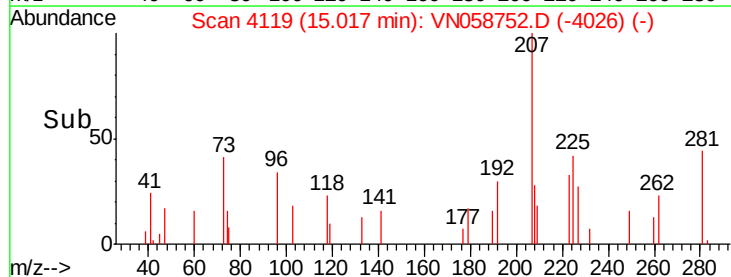
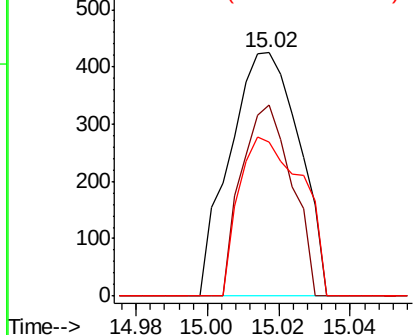


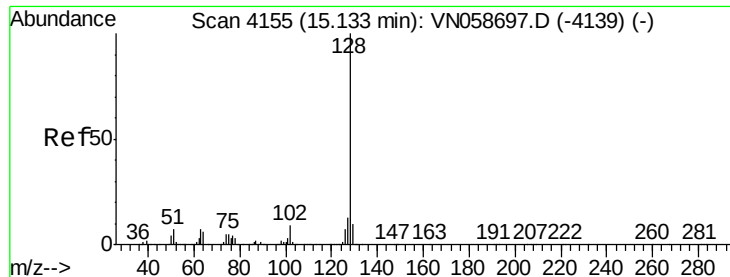
#94
 Hexachlorobutadiene
 Concen: 0.229 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058752.D
 Acq: 14 Oct 2019 16:11

Tgt Ion:225 Resp: 570
 Ion Ratio Lower Upper
 225 100
 223 57.2 32.3 96.8
 227 59.6 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.282 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

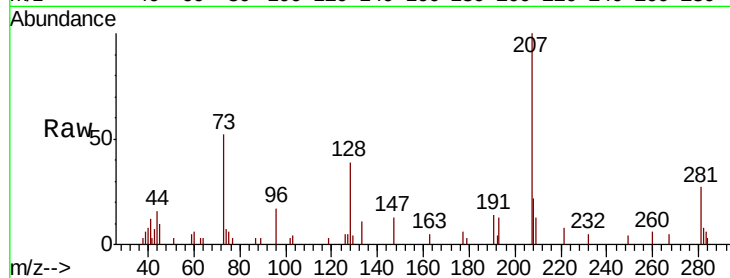
Tot Ion:128 Resp: 3826

Ion Ratio Lower Upper

128 100

127 8.6 10.2 15.4#

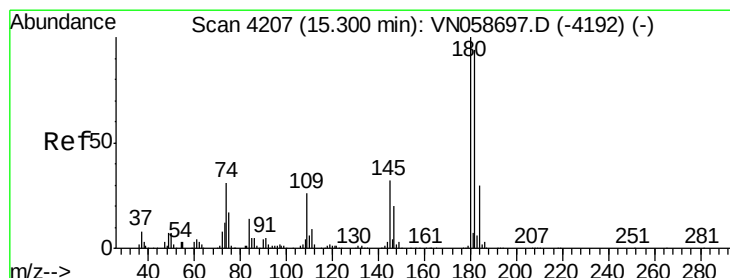
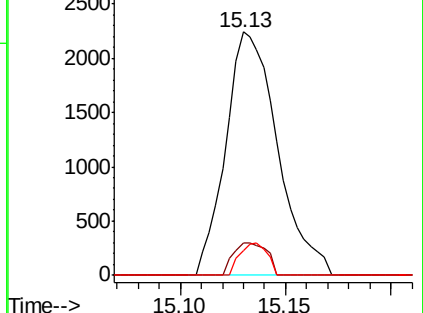
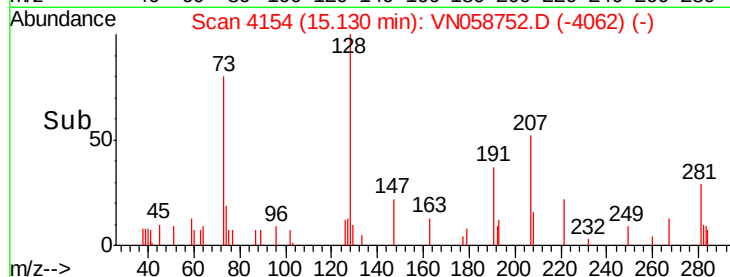
129 7.0 8.5 12.7#



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: 0.271 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058752.D

Acq: 14 Oct 2019 16:11

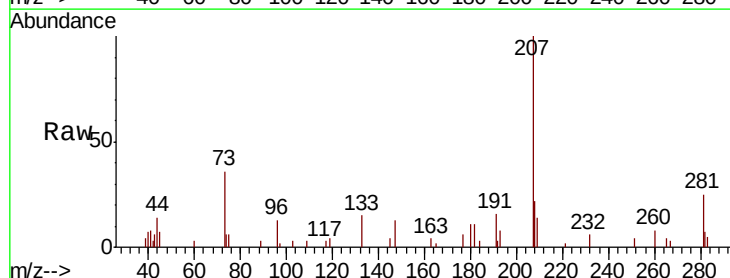
Tgt Ion:180 Resp: 1246

Ion Ratio Lower Upper

180 100

182 84.3 47.3 142.0

145 39.1 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

