

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

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:52 AM

Quant Time: Oct 15 03:49:37 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	3.94	142	3472m	0.667	ug/l	
11) Tert butyl alcohol	4.77	59	3884m	4.523	ug/l	
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	5608m	1.007	ug/l	
19) Methyl tert-butyl Ether	5.03	73	10239m	0.788	ug/l	
20) Methylene Chloride	4.53	84	4667	1.017	ug/l #	84
21) trans-1,2-Dichloroethene	5.01	96	3447m	0.847	ug/l	
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	7.78	75	5100m	0.798	ug/l	
37) Ethyl Acetate	6.91	43	5975m	0.925	ug/l	
38) Carbon Tetrachloride	7.75	117	5167	0.830	ug/l	96

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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	7.17	41	2291m	0.758	ug/l	
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	9.20	88	1262m	16.351	ug/l	
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	5956m	1.140	ug/l	
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	12.30	75	1808m	0.927	ug/l	
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	13.37	146	6339m	0.806	ug/l	
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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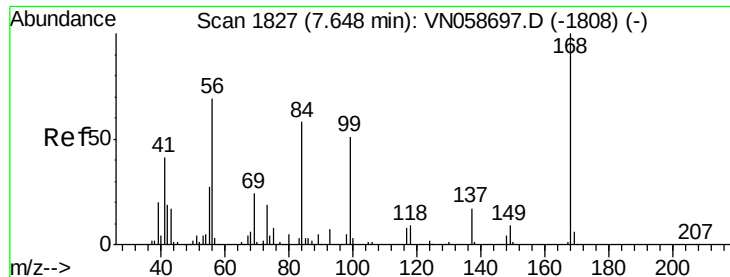
Manual Integrations
APPROVED

MMDadoda
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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

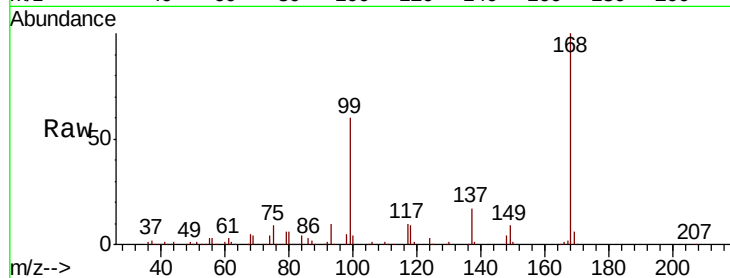
99 60.2 47.5 71.3

Manual Integrations

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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

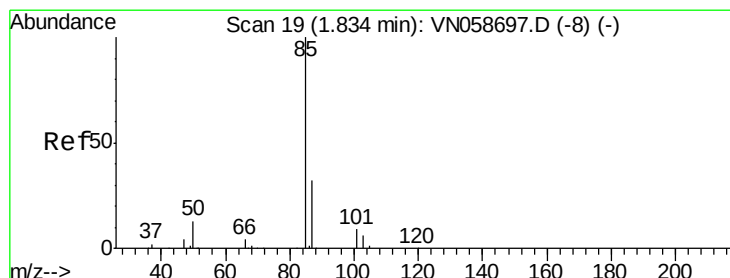
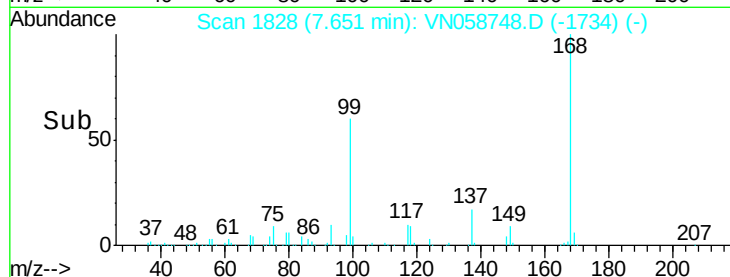
100000

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

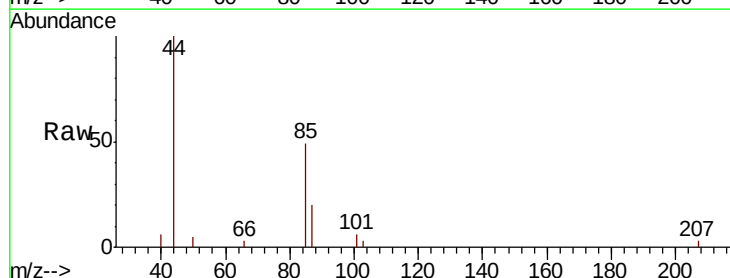
Acq: 14 Oct 2019 14:42

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

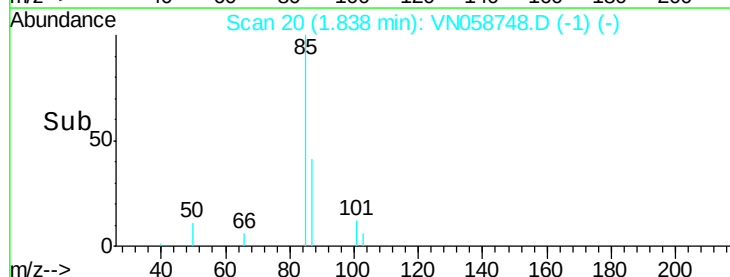
1000

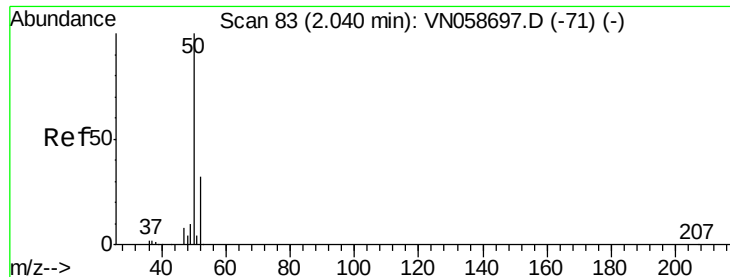
500

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

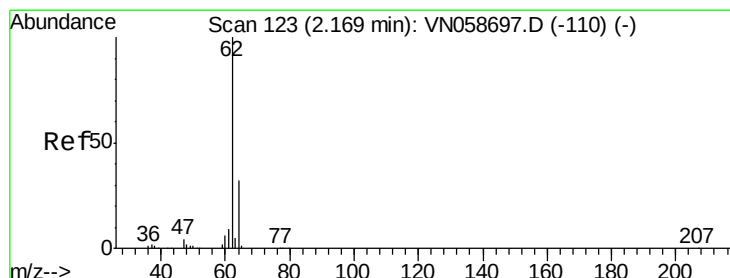
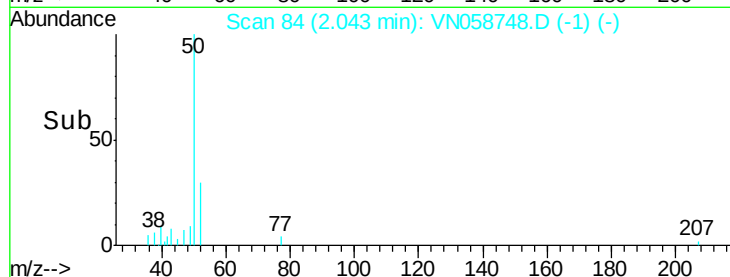
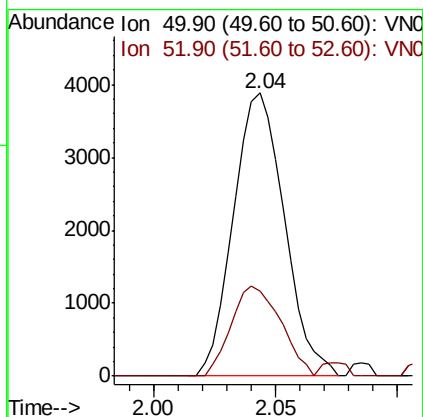
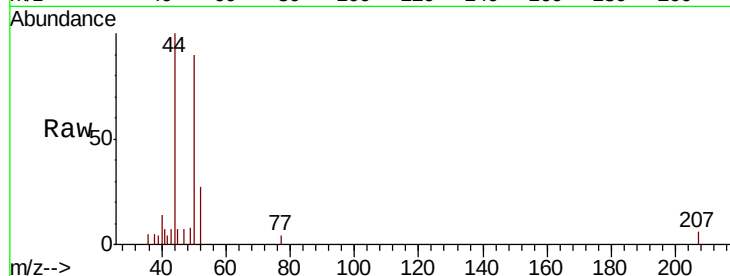
52 29.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 0.907 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058748.D

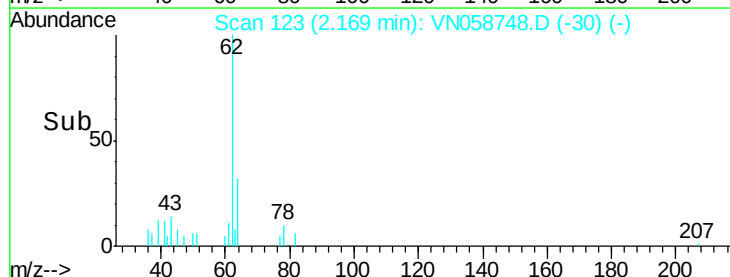
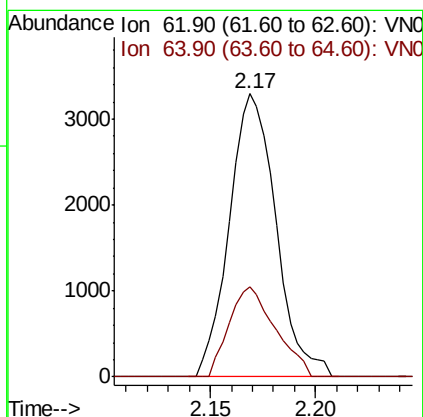
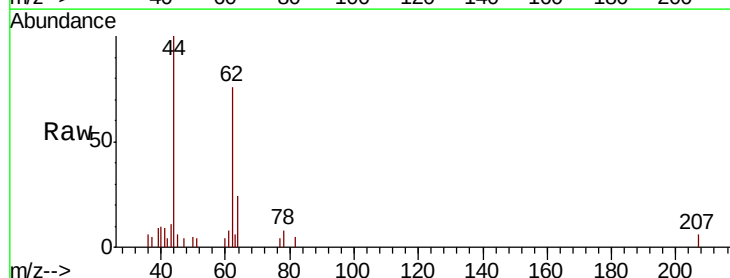
Acq: 14 Oct 2019 14:42

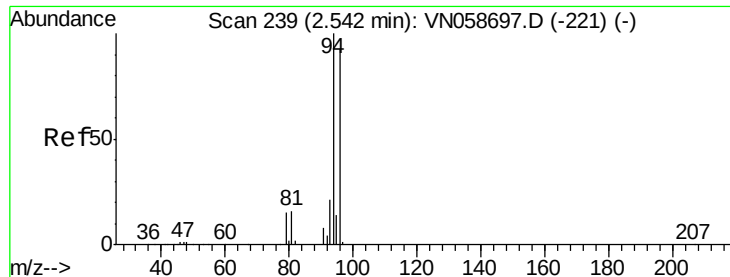
Tgt Ion: 62 Resp: 5065

Ion Ratio Lower Upper

62 100

64 31.6 25.3 37.9





#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 :

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Tot Ion: 94 Resp: 3680

Ion Ratio Lower Upper

94 100

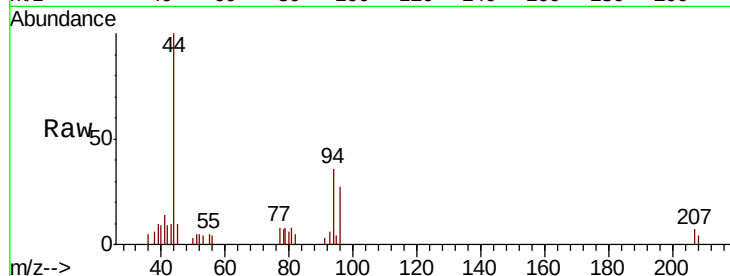
96 74.7 74.5 111.7

Manual Integrations

APPROVED

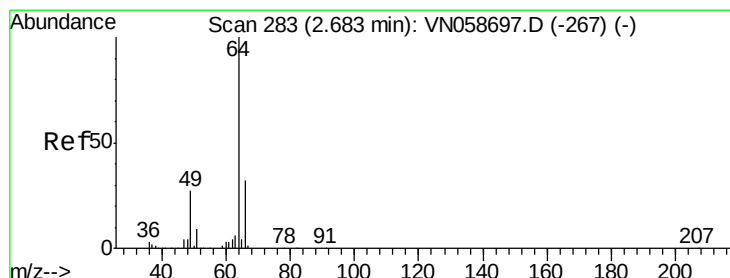
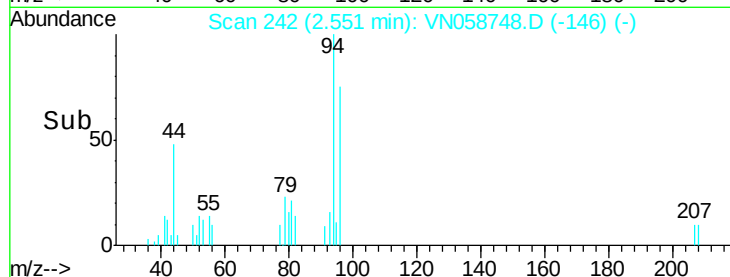
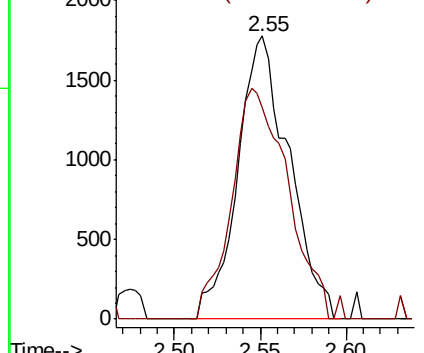
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Abundance Ion 93.90 (93.60 to 94.60): VN058697.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN058697.D (-221) (-)



#6

Chloroethane

Concen: 0.971 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058748.D

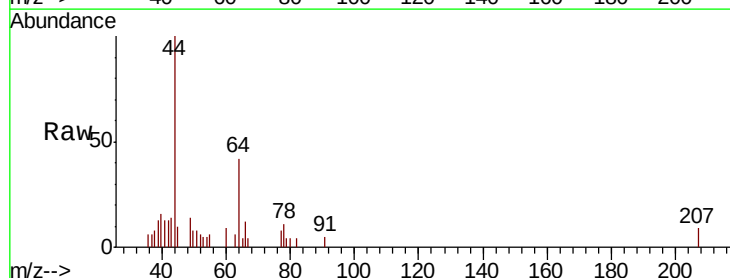
Acq: 14 Oct 2019 14:42

Tgt Ion: 64 Resp: 3345

Ion Ratio Lower Upper

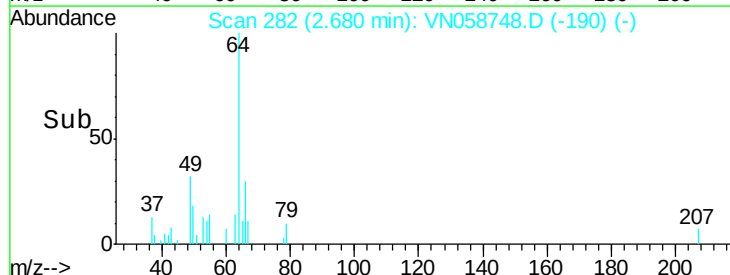
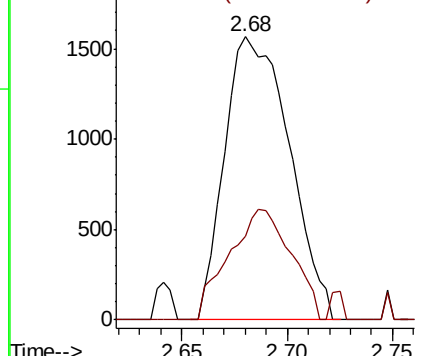
64 100

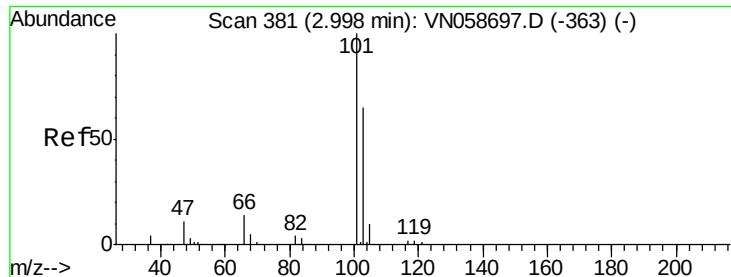
66 29.7 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN058697.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058697.D (-267) (-)





#7

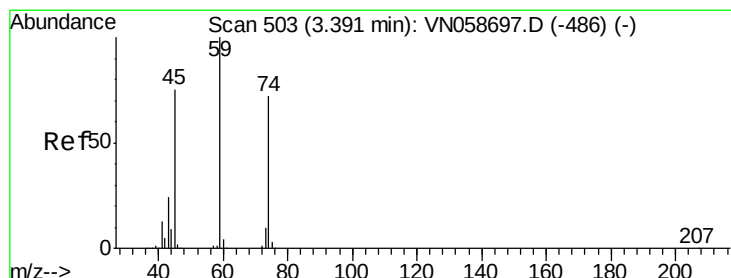
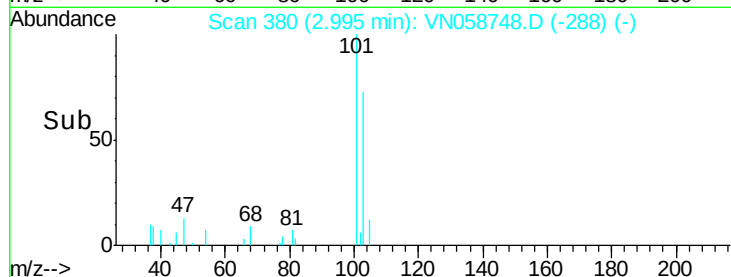
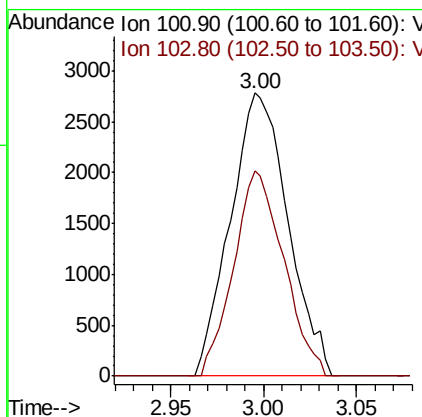
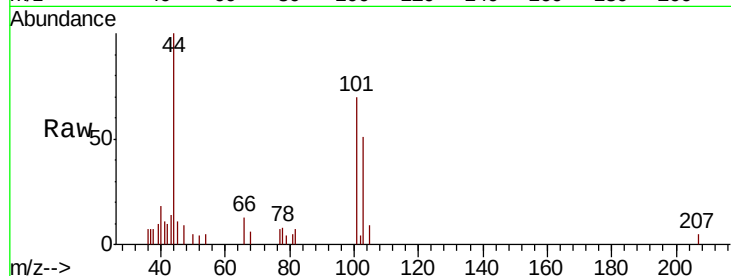
Trichlorofluoromethane
Concen: 0.898 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Manual Integrations
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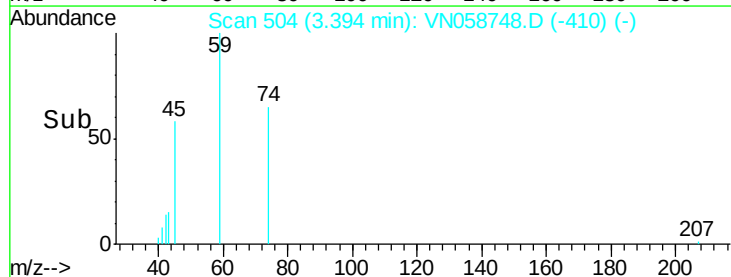
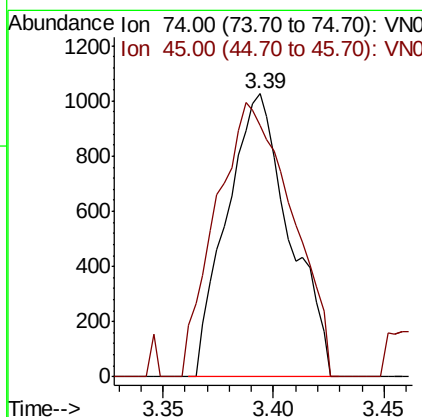
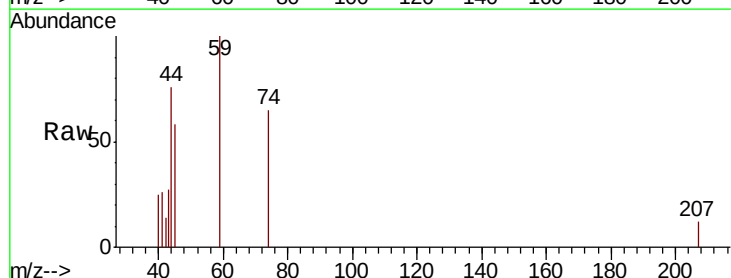
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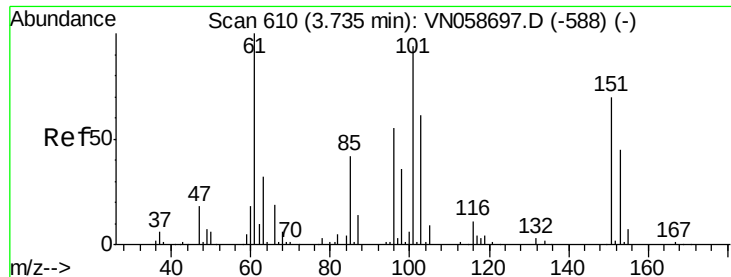


#8

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	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

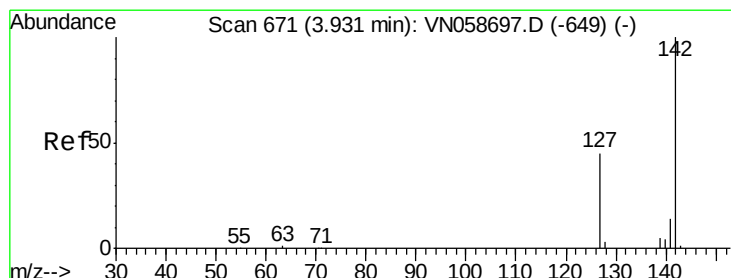
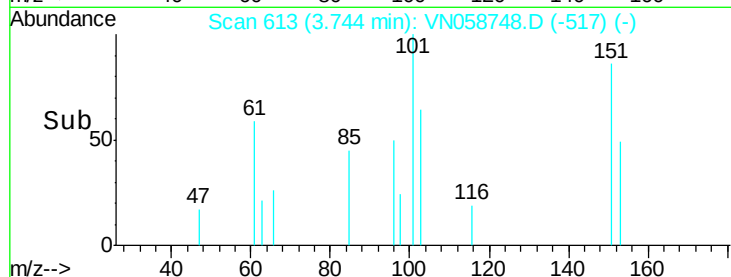
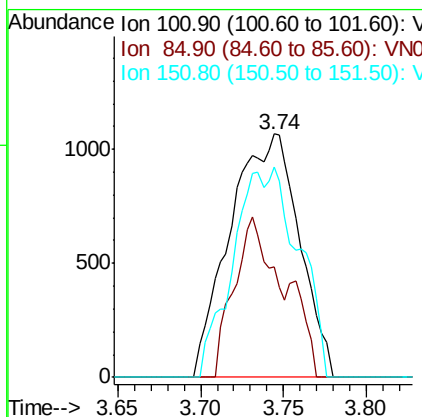
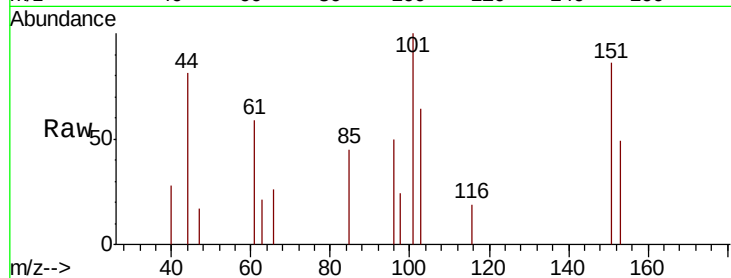
ClientSampleId :

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#

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#10

Methyl Iodide

Concen: 0.667 ug/l m

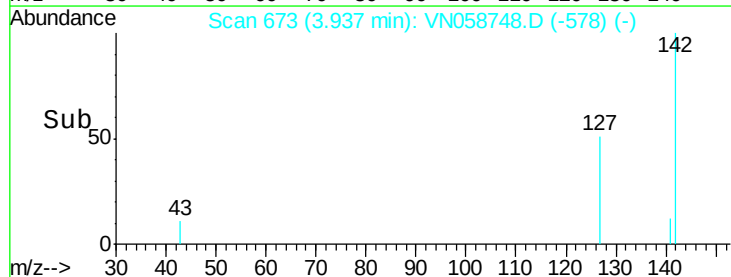
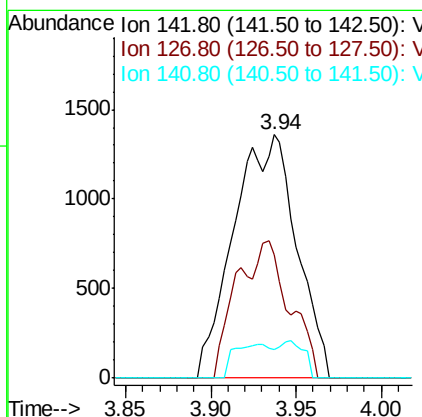
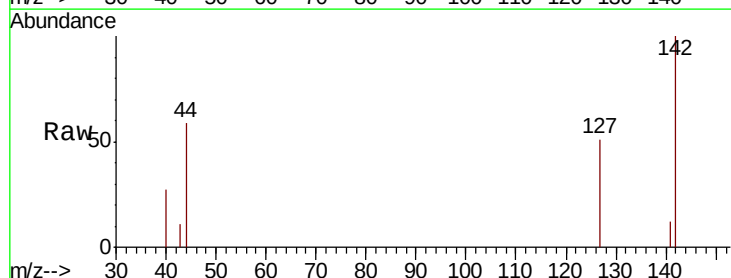
RT: 3.94 min Scan# 673

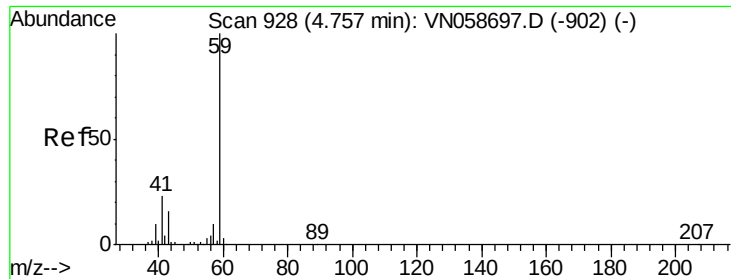
Delta R.T. 0.01 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Tgt Ion:	142	Resp:	3472
Ion Ratio	Lower	Upper	
142	100		
127	29.2	36.4	54.6#
141	8.6	11.1	16.7#





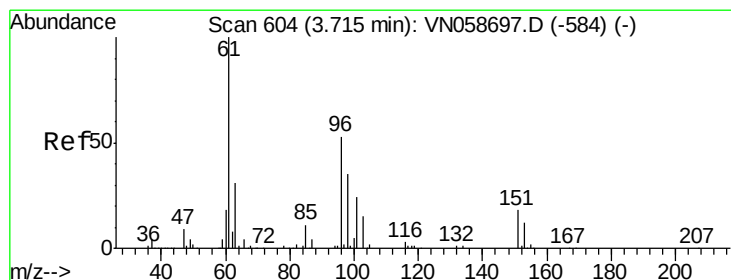
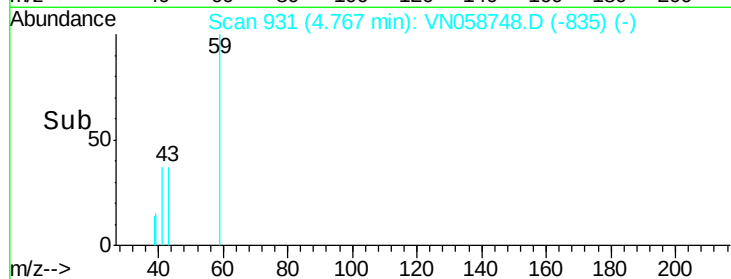
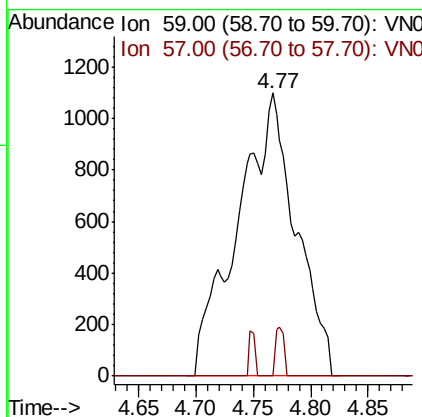
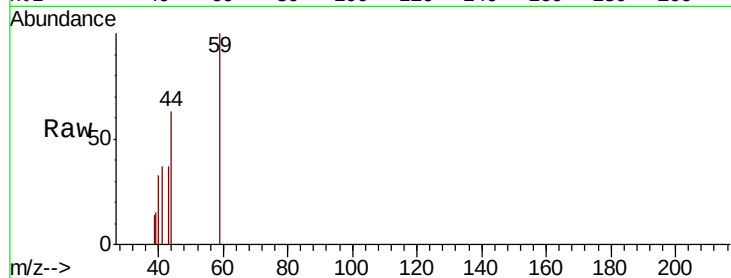
#11
Tert butyl alcohol
Concen: 4.523 ug/l m
RT: 4.77 min Scan# 931
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion: 59 Resp: 3884
Ion Ratio Lower Upper
59 100
57 1.7 8.4 12.6#

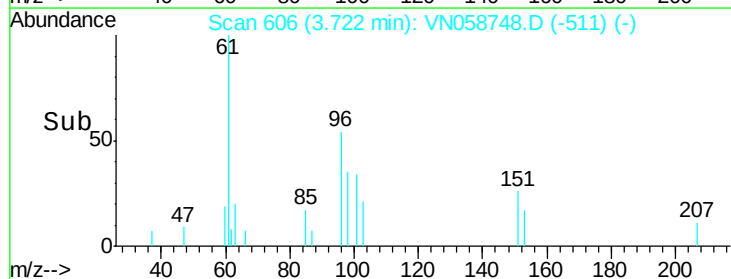
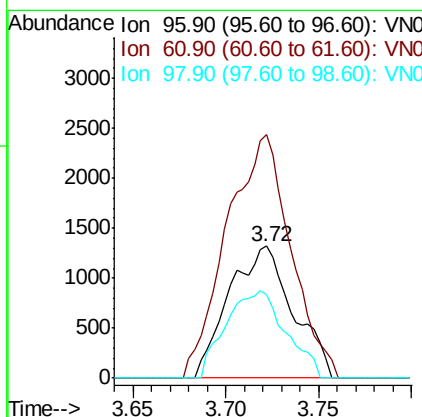
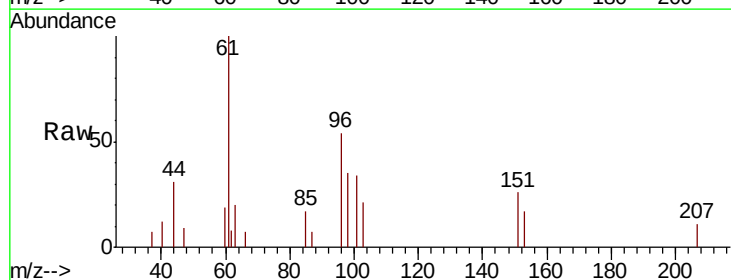
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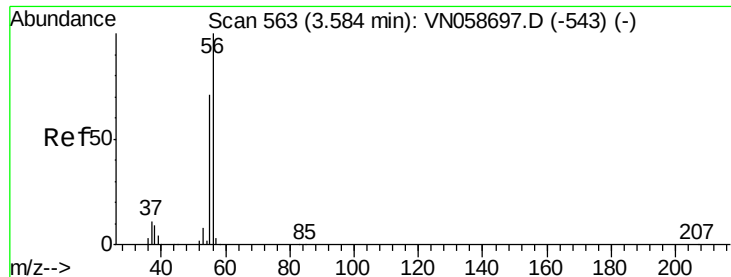
MMDadoda
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#12
1,1-Dichloroethene
Concen: 0.874 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

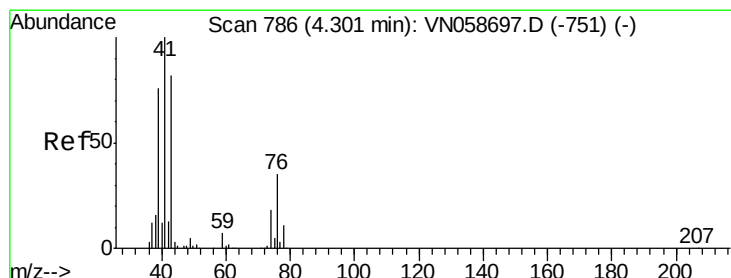
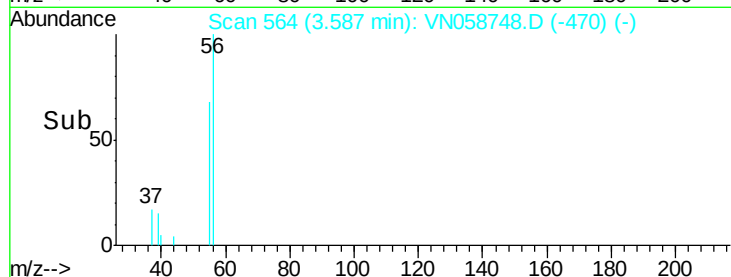
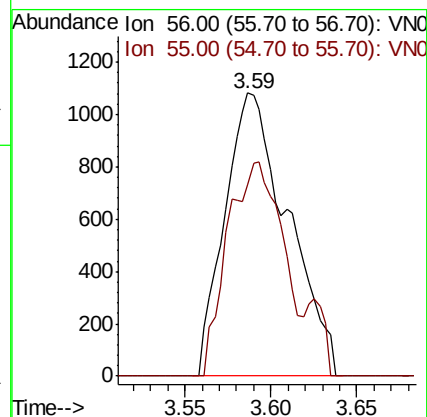
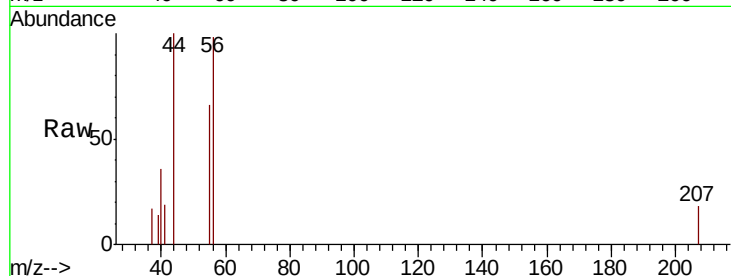
55 66.9 56.7 85.1

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#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

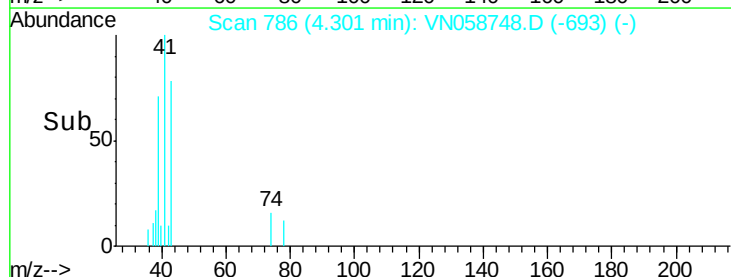
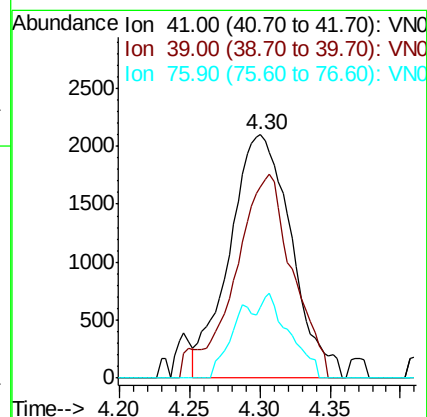
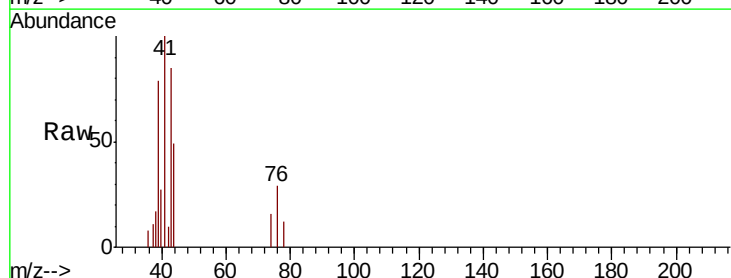
Tgt Ion: 41 Resp: 6410

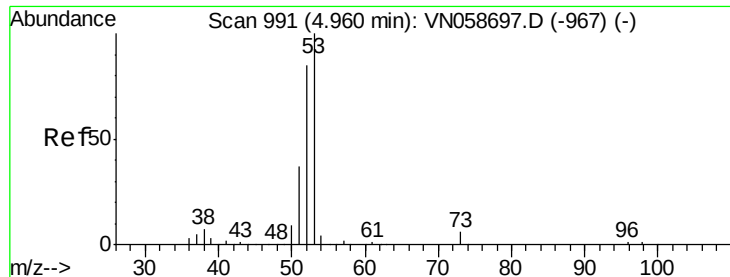
Ion Ratio Lower Upper

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

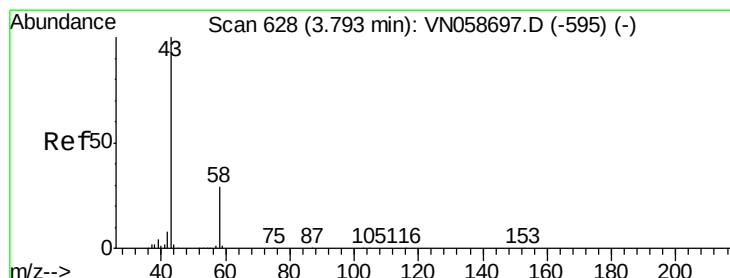
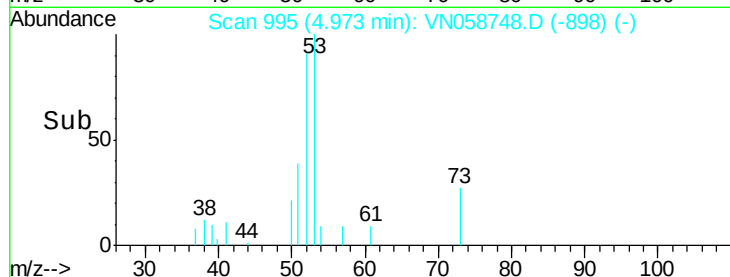
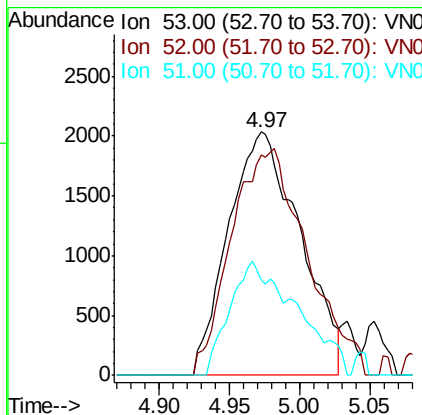
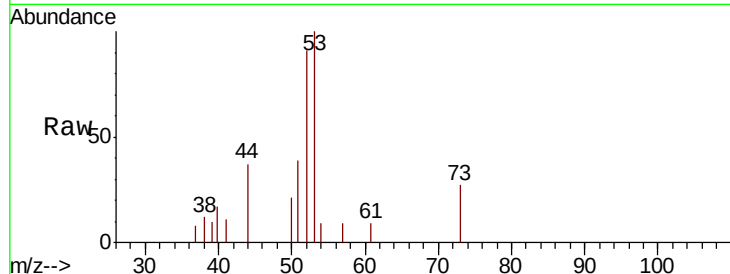
ClientSampleId :

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

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#16

Acetone

Concen: 4.585 ug/l

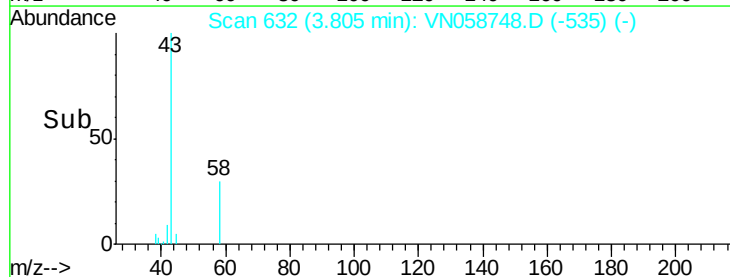
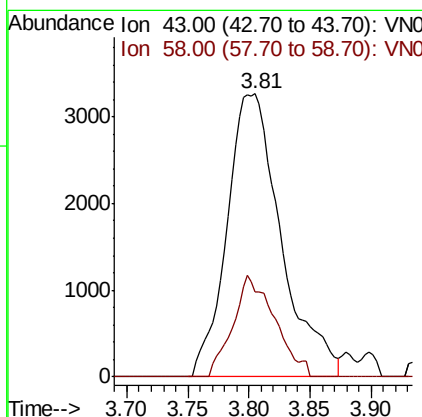
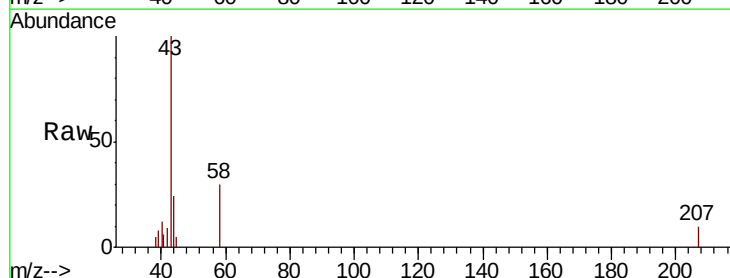
RT: 3.81 min Scan# 632

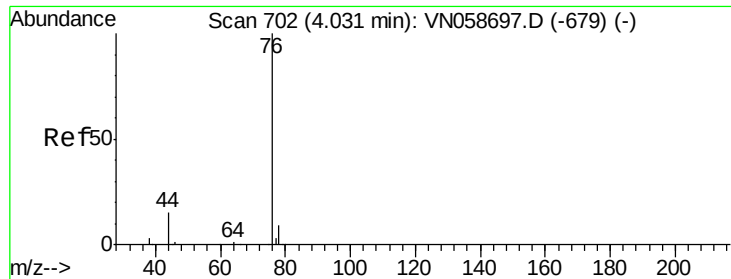
Delta R.T. 0.01 min

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





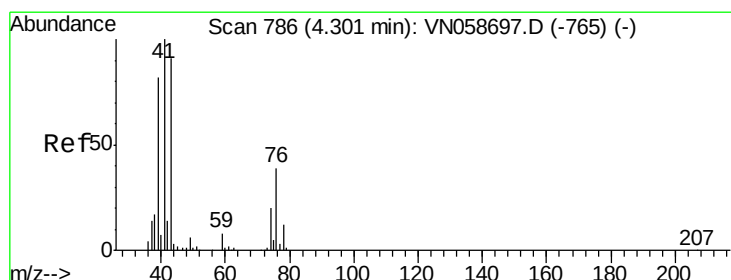
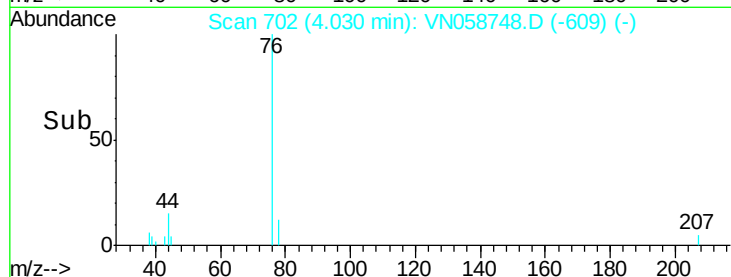
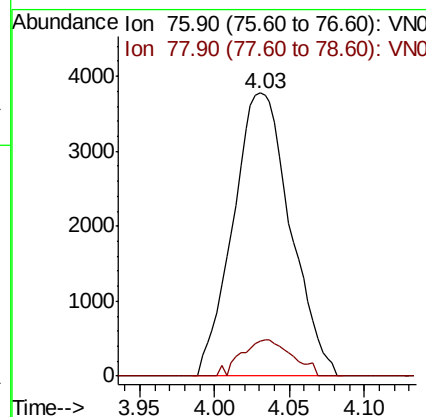
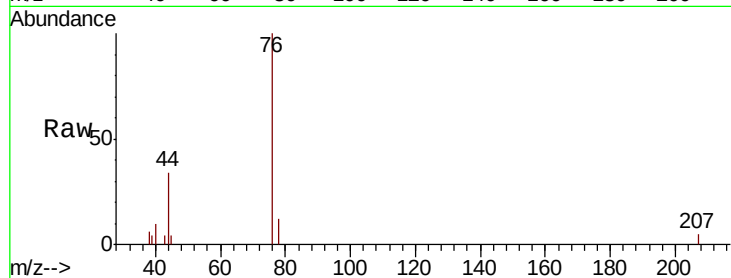
#17
Carbon Disulfide
Concen: 0.865 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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#

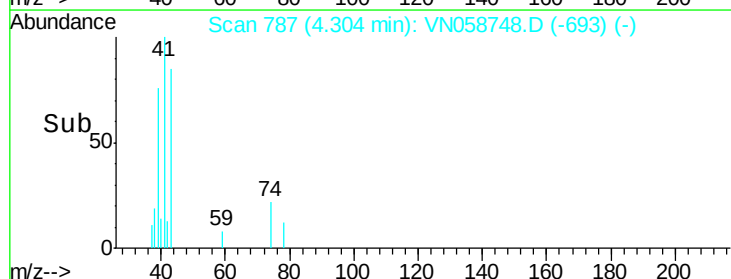
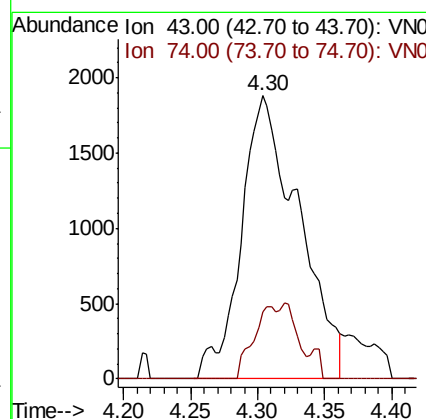
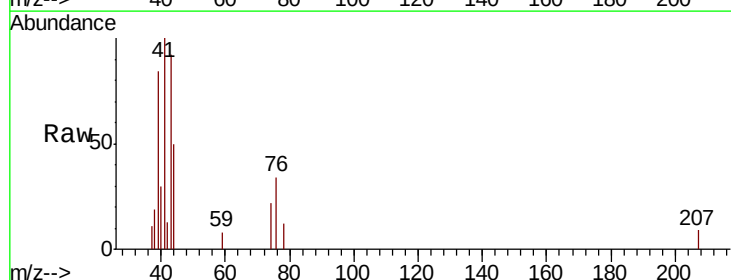
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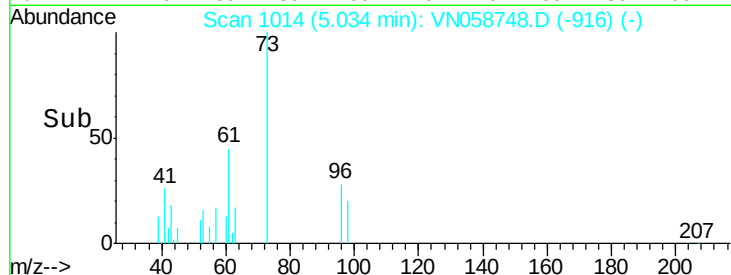
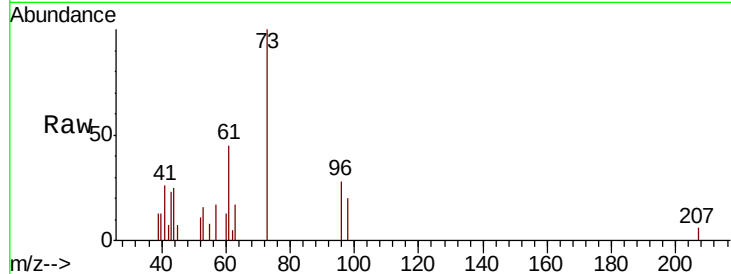
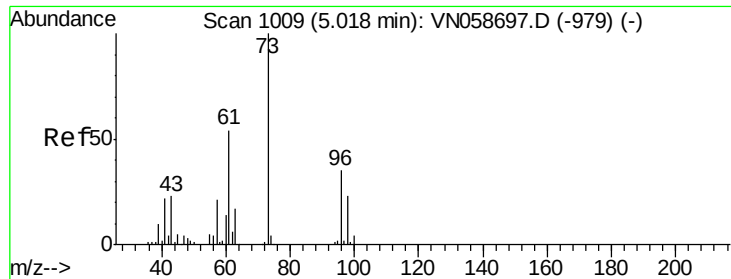
MMDadoda
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#18
Methyl Acetate
Concen: 1.007 ug/l m
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion: 43 Resp: 5608
Ion Ratio Lower Upper
43 100
74 10.4 17.2 25.8#





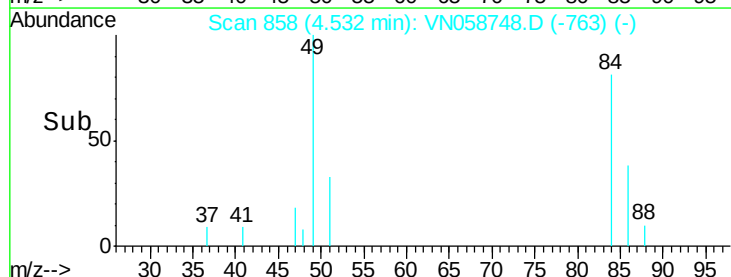
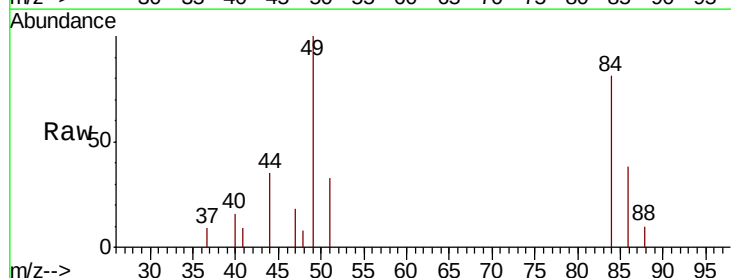
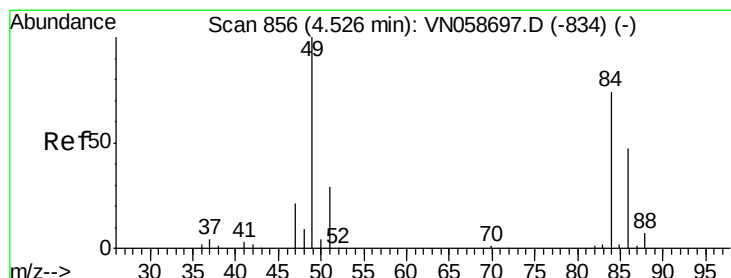
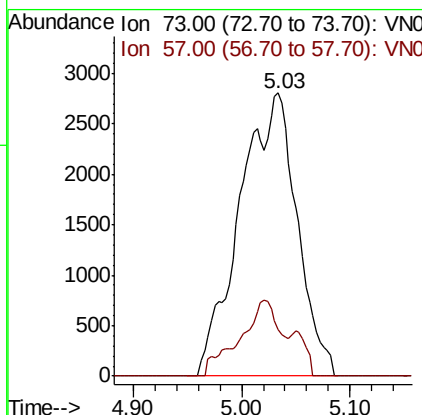
#19
Methyl tert-butyl Ether
Concen: 0.788 ug/l m
RT: 5.03 min Scan# 1014
Delta R.T. 0.02 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tot Ion: 73 Resp: 10239
Ion Ratio Lower Upper
73 100
57 16.6 17.0 25.6#

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

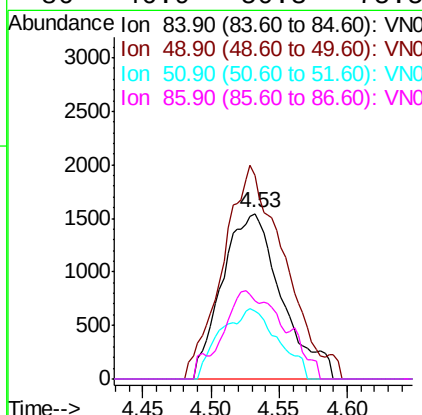
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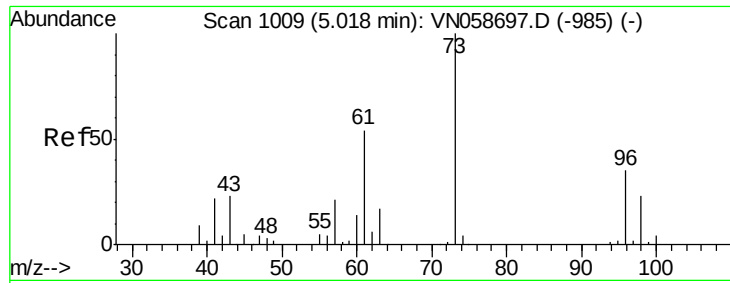
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#20
Methylene Chloride
Concen: 1.017 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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#





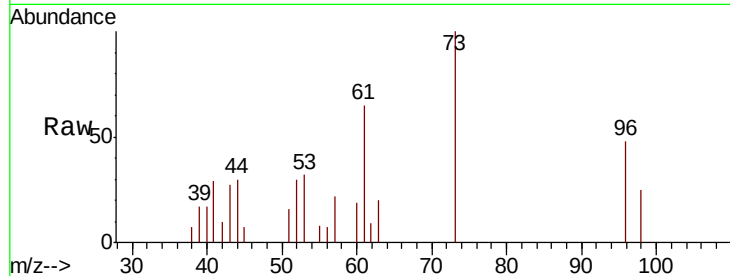
#21
trans-1,2-Dichloroethene
Concen: 0.847 ug/l m
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

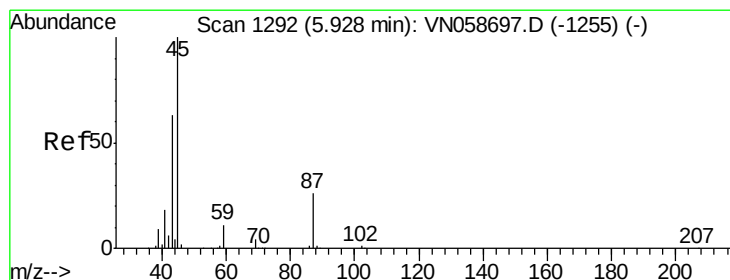
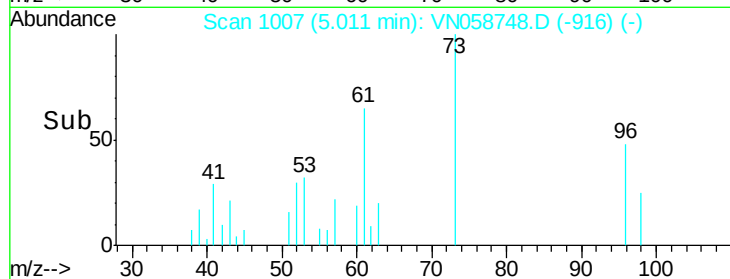
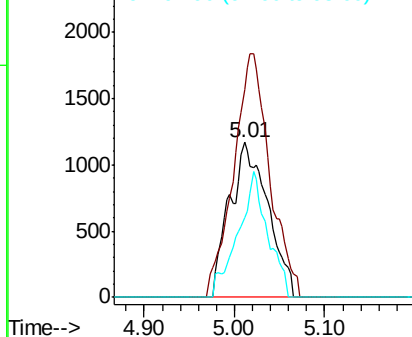
Tot Ion: 96 Resp: 3447
Ion Ratio Lower Upper
96 100
61 133.9 123.6 185.4
98 51.9 52.1 78.1#

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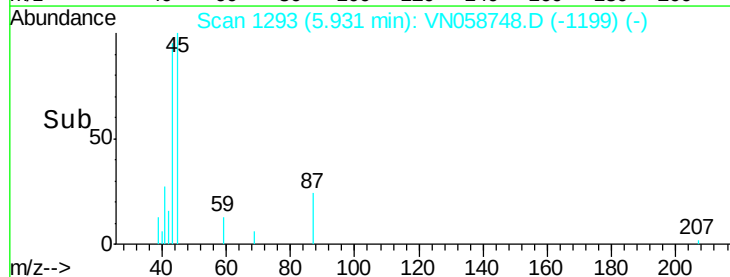
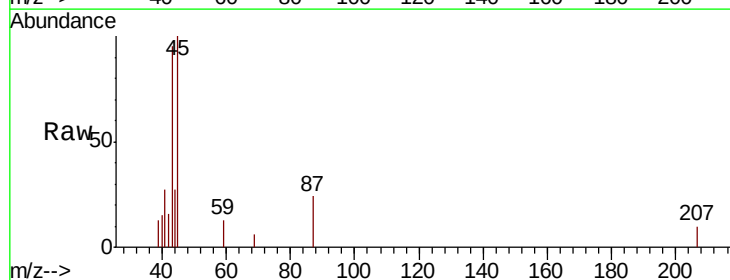
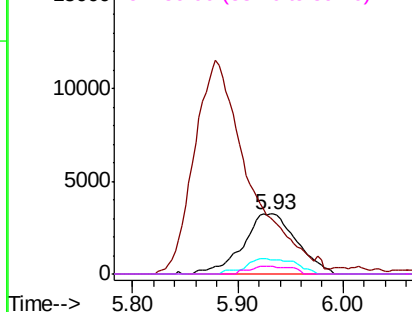
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

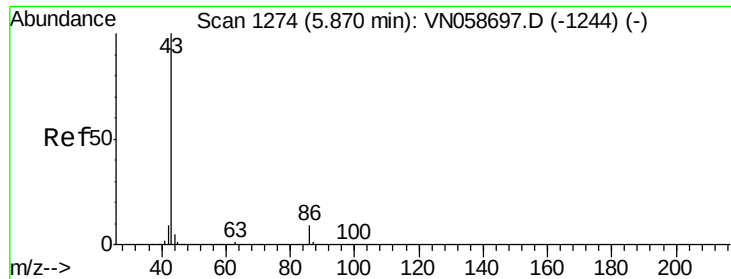


#22
Diisopropyl ether
Concen: 0.799 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

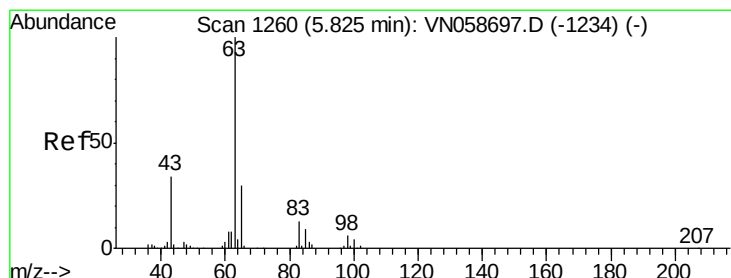
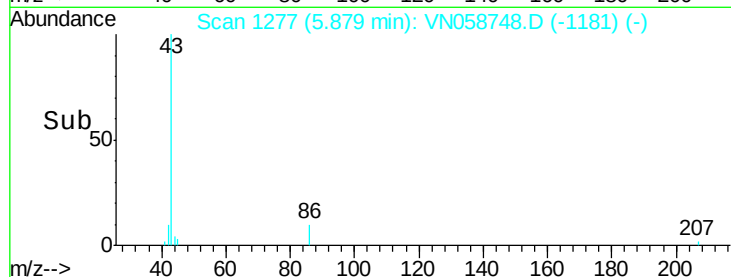
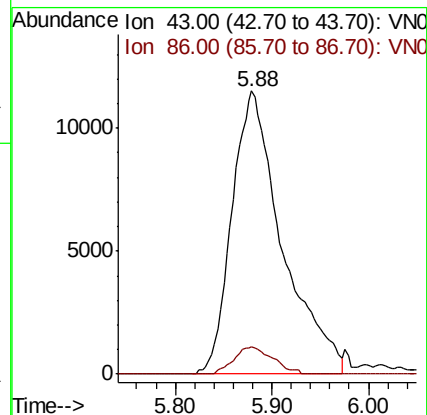
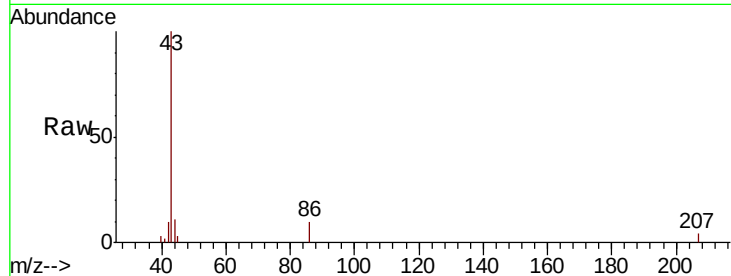
86 9.5 7.4 11.0

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#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

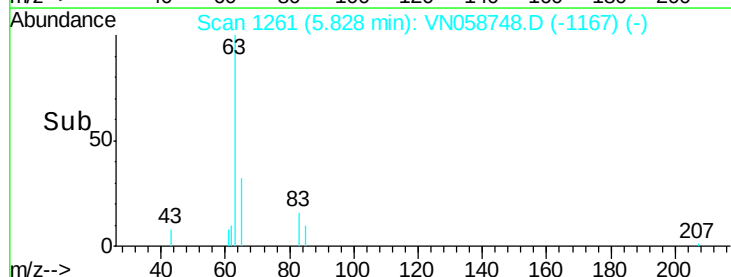
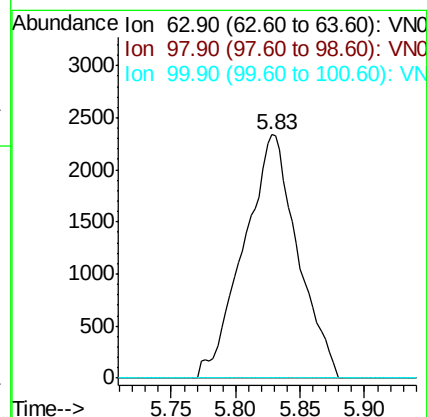
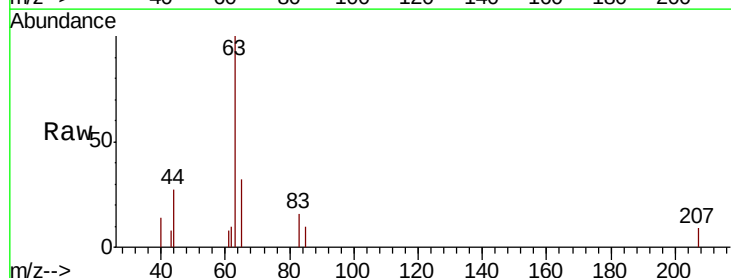
Tgt Ion: 63 Resp: 6793

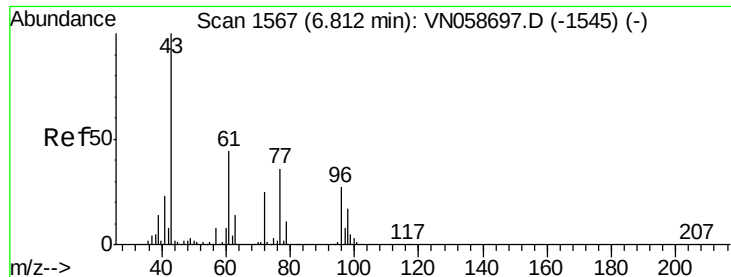
Ion Ratio Lower Upper

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

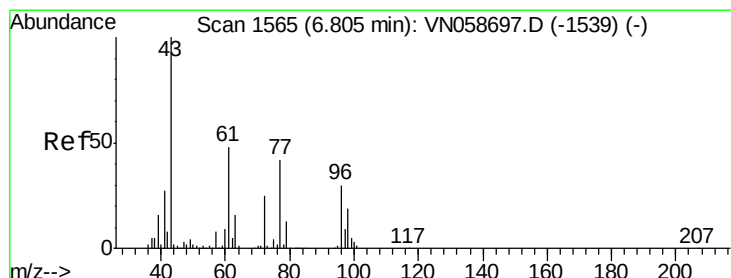
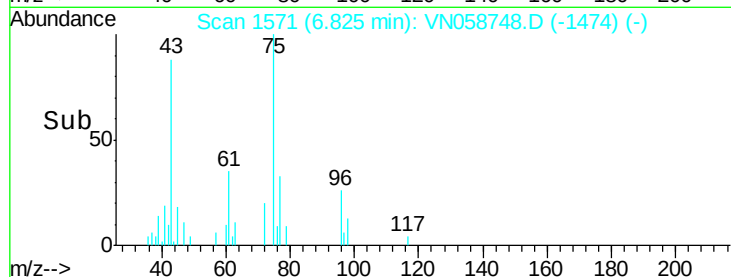
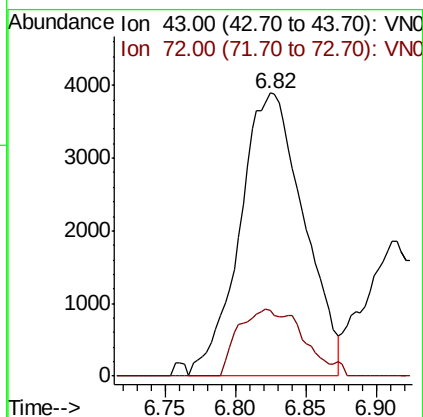
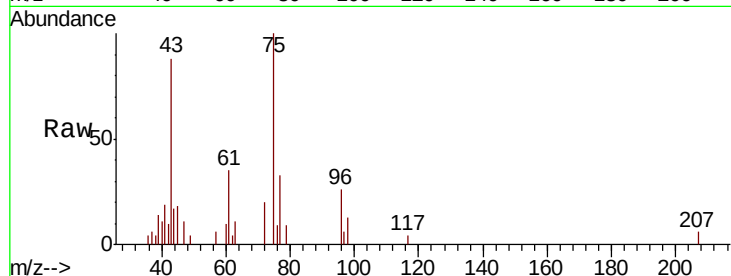
72 23.1 20.2 30.2

Manual Integrations

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#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

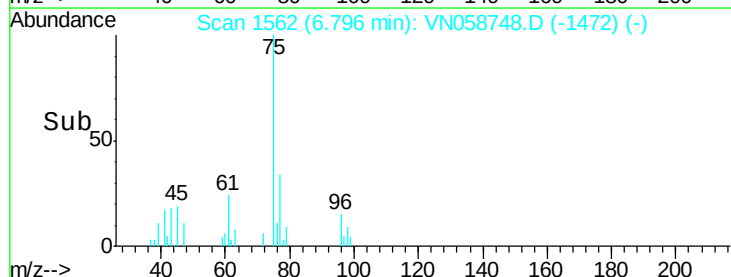
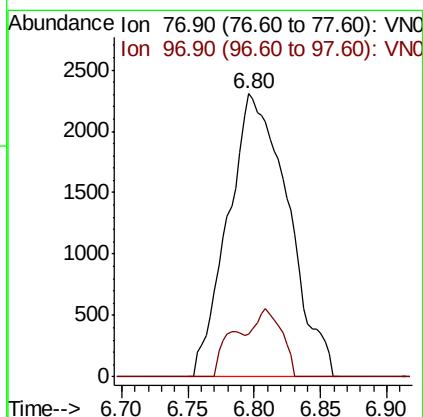
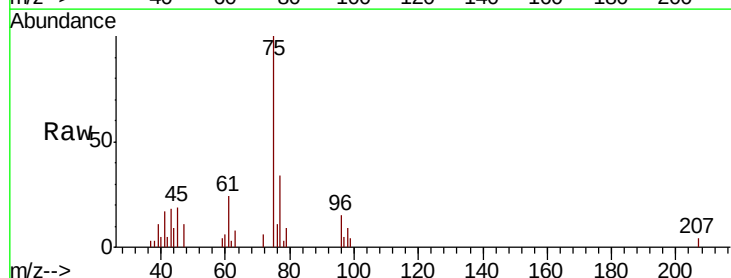
Acq: 14 Oct 2019 14:42

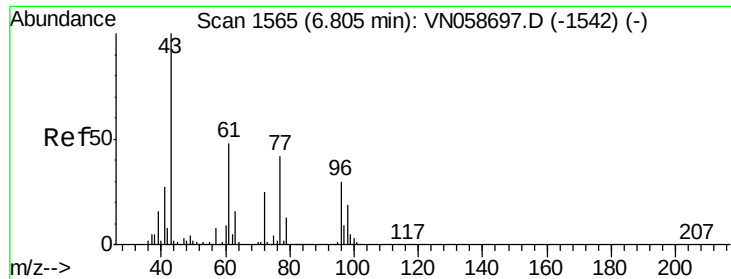
Tgt Ion: 77 Resp: 7275

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

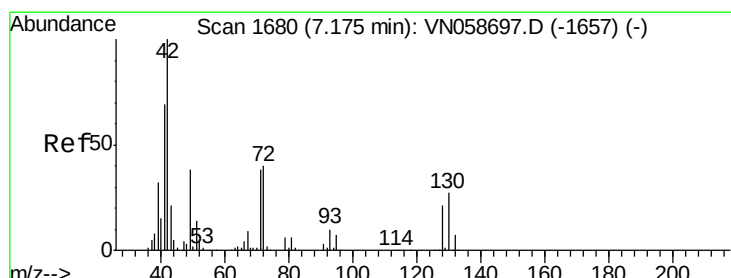
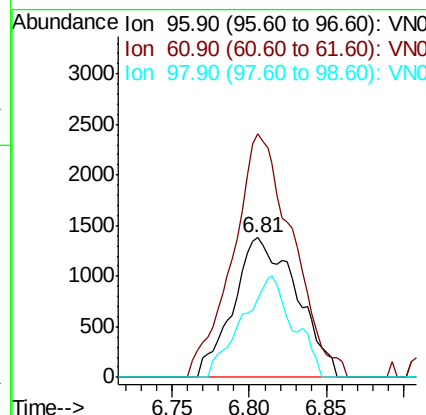
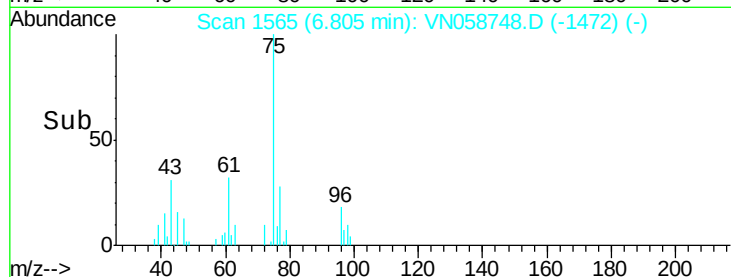
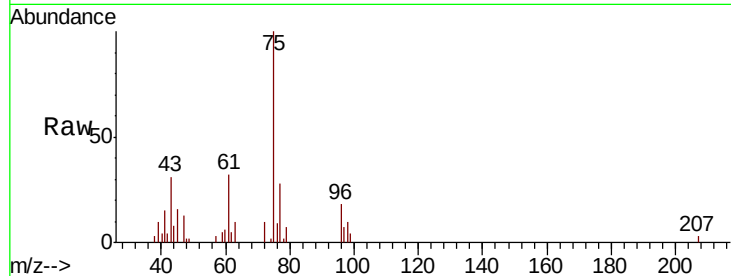
ClientSampleId :

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

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#28

Bromochloromethane

Concen: 0.871 ug/l

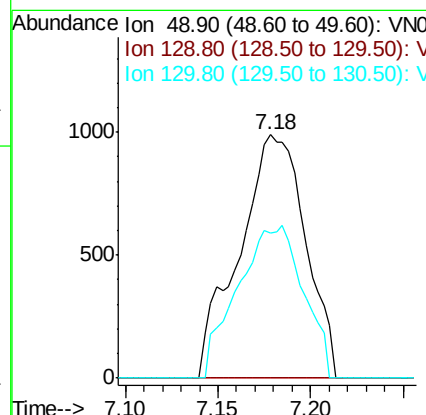
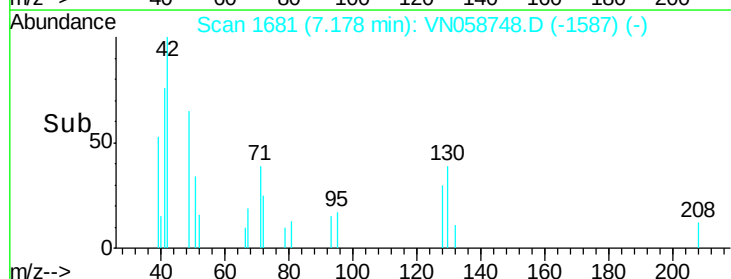
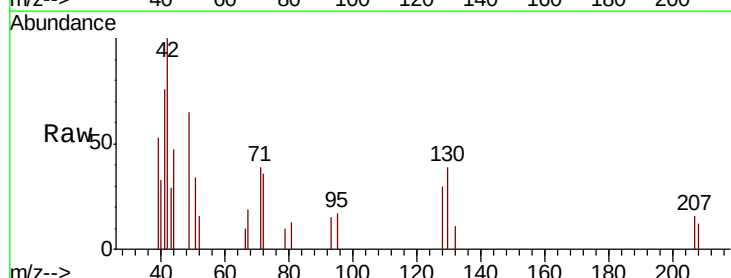
RT: 7.18 min Scan# 1681

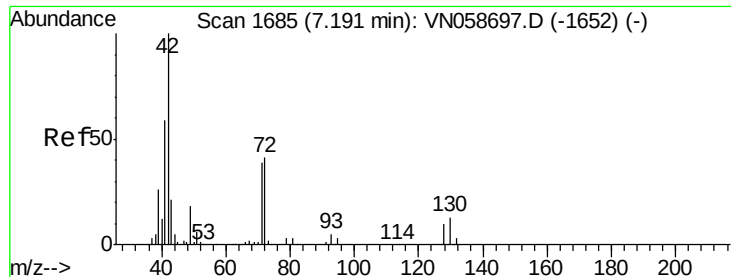
Delta R.T. 0.00 min

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





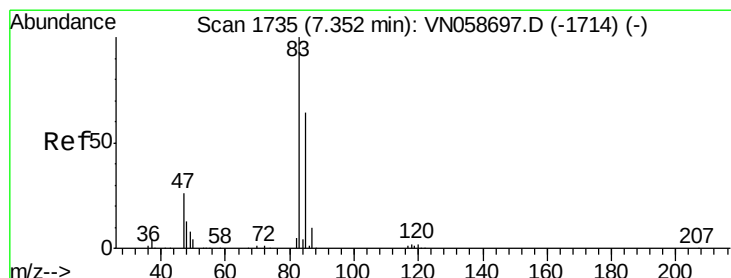
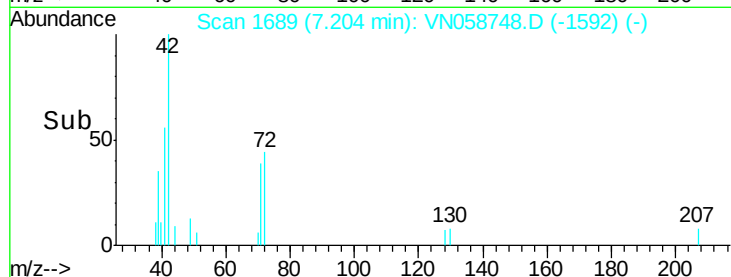
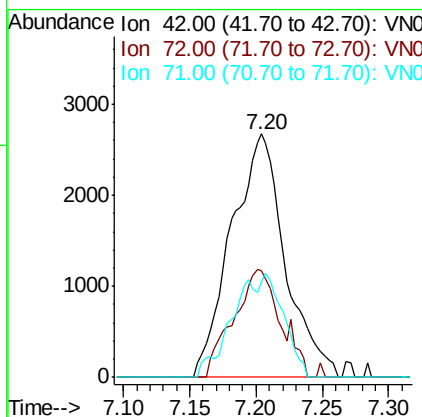
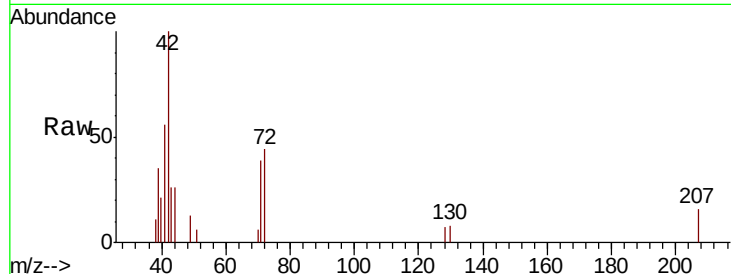
#29
Tetrahydrofuran
Concen: 3.683 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

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

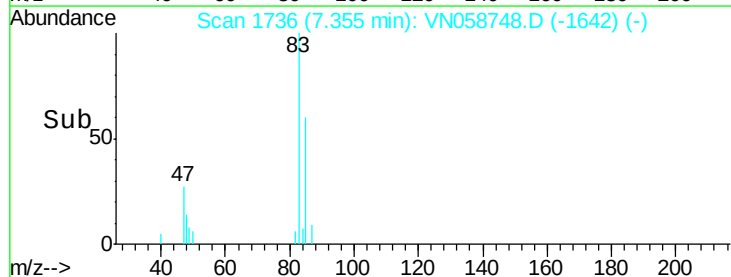
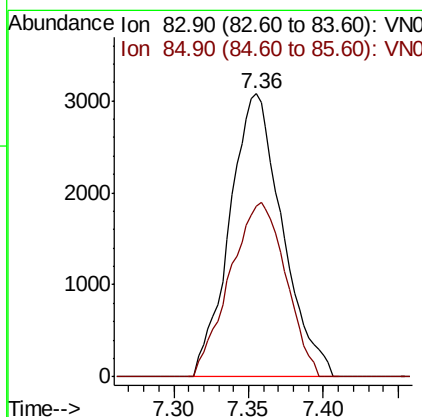
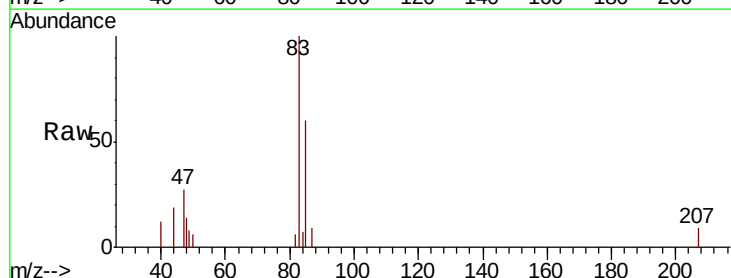
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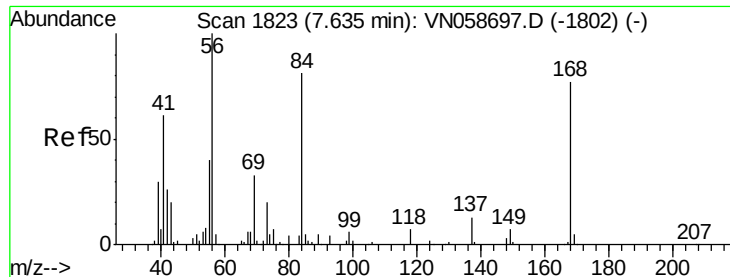
MMDadoda
10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
83	100		
85	60.3	51.0	76.6





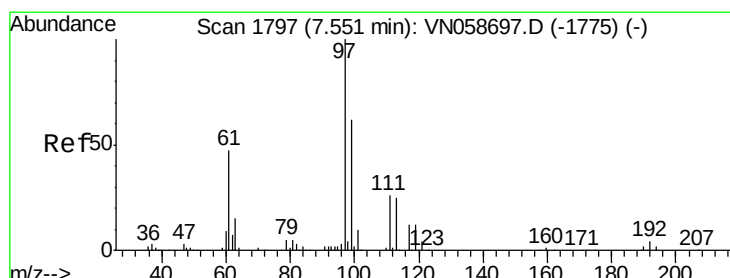
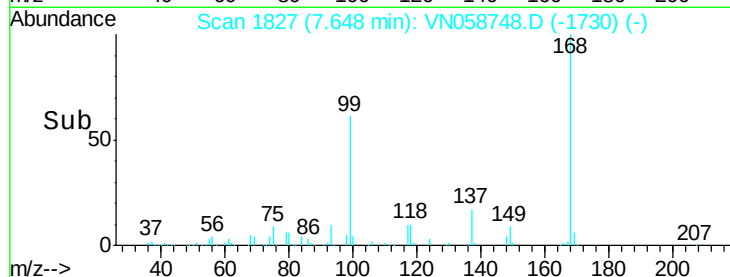
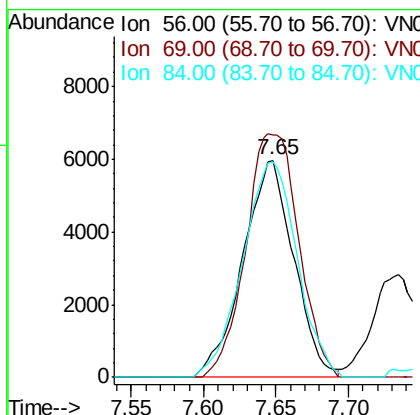
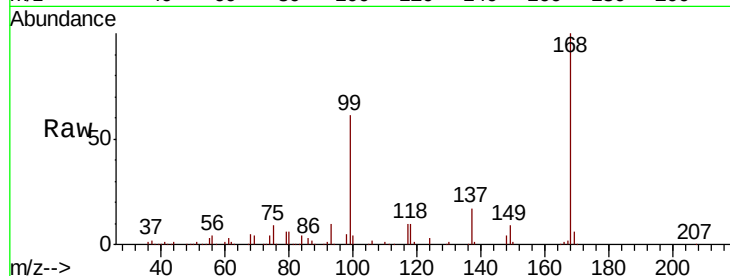
#31
Cyclohexane
Concen: 1.877 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	111.9	26.2	39.4#
84	99.4	64.9	97.3#

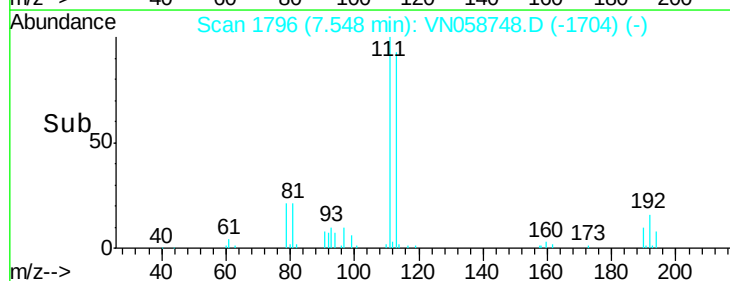
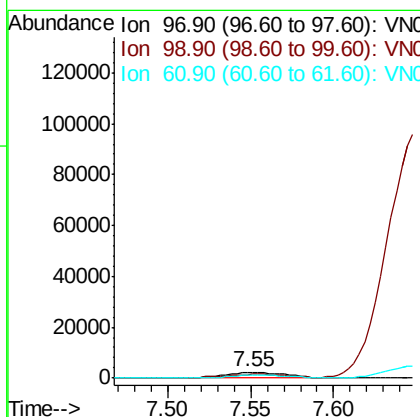
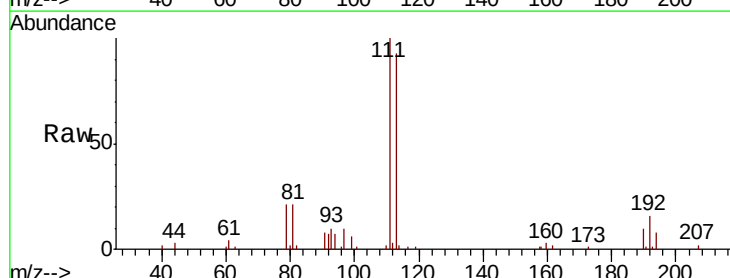
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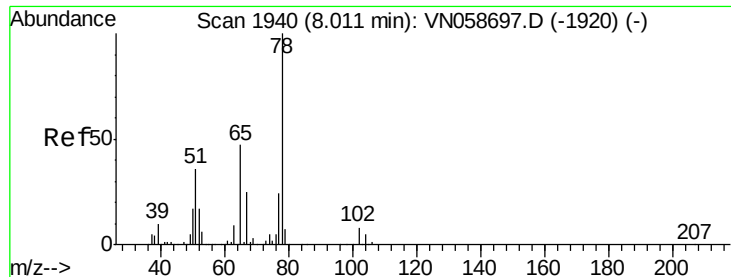
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 0.855 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.8	76.2#
61	47.9	38.1	57.1





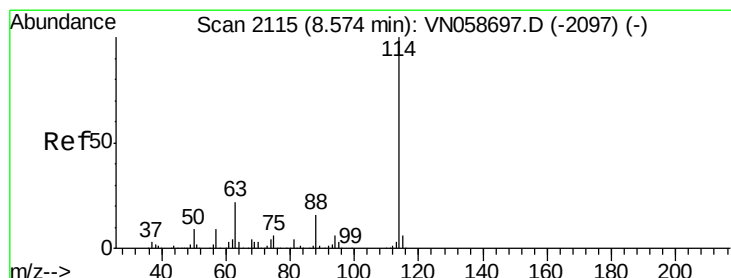
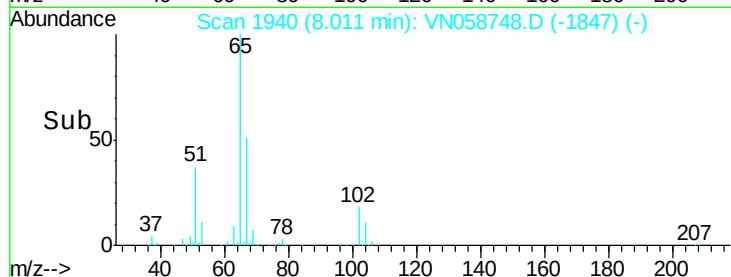
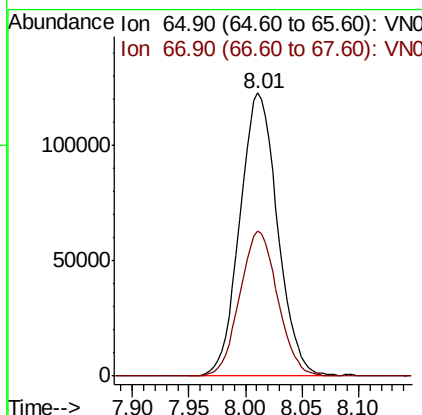
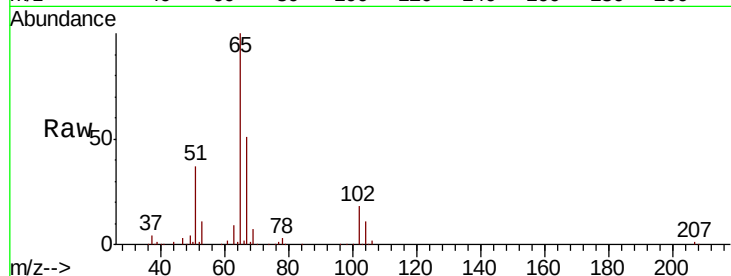
#33
 1,2-Dichloroethane-d4
 Concen: 53.818 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	285360		
67	51.3	0.0	103.8	

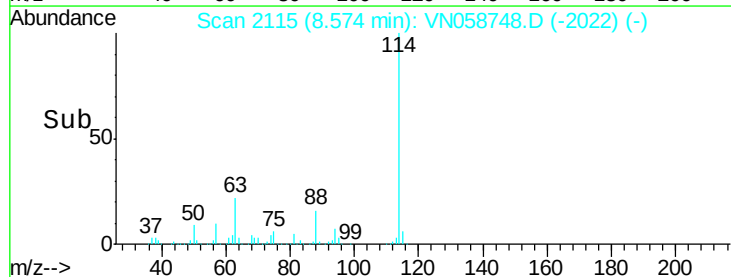
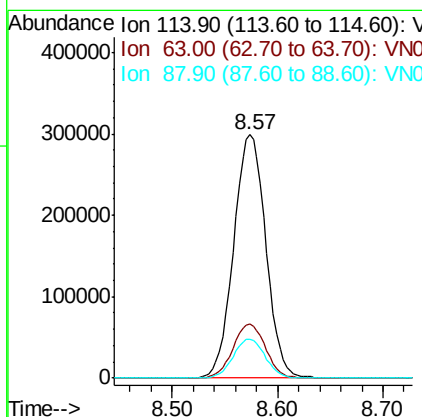
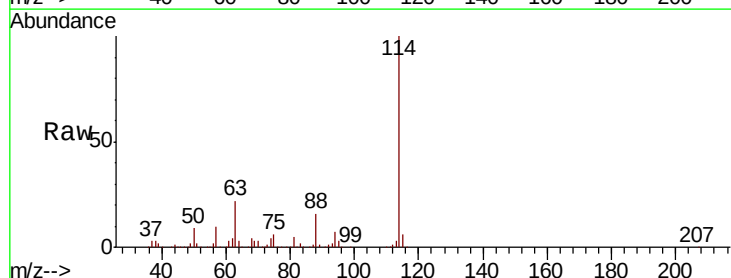
Manual Integrations
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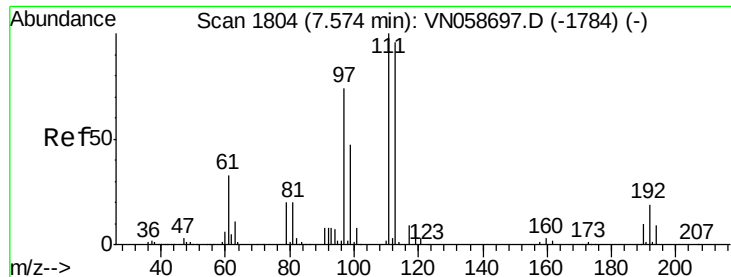
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	631822		
63	22.1	0.0	43.8	
88	16.1	0.0	32.0	





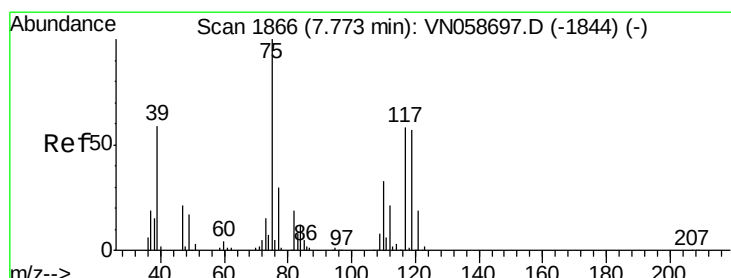
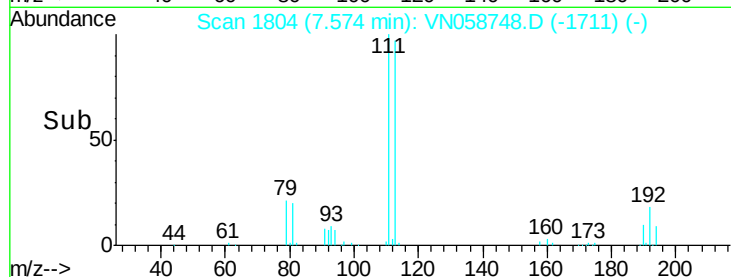
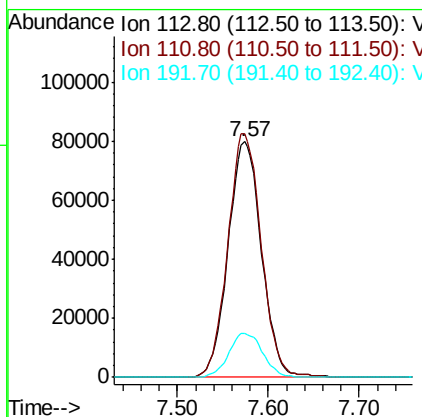
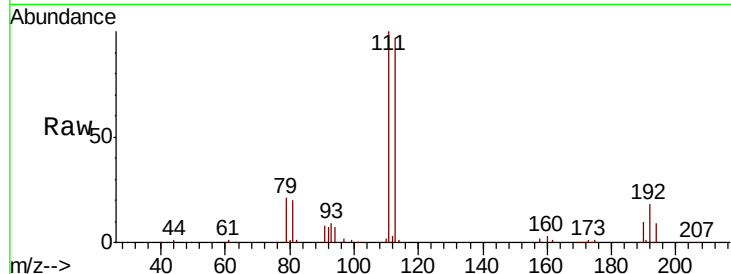
#35
 Dibromofluoromethane
 Concen: 52.081 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203253		
111	103.8	82.3	123.5	
192	19.1	15.0	22.6	

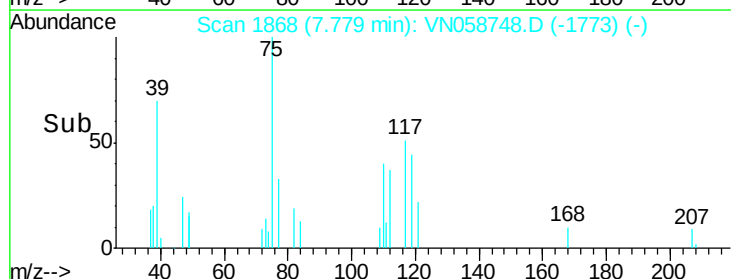
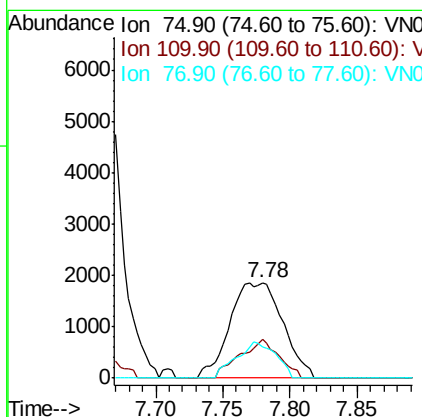
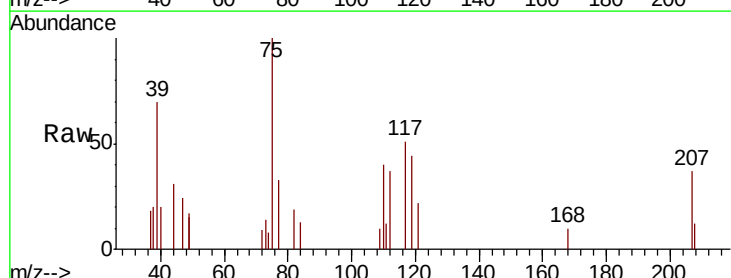
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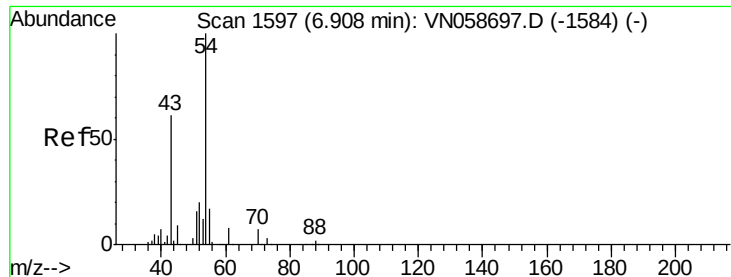
MMDadoda
 10/16/2019 12:56:52 AM



#36
 1,1-Dichloropropene
 Concen: 0.798 ug/l m
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	5100		
110	30.0	16.6	49.8	
77	28.4	24.6	37.0	





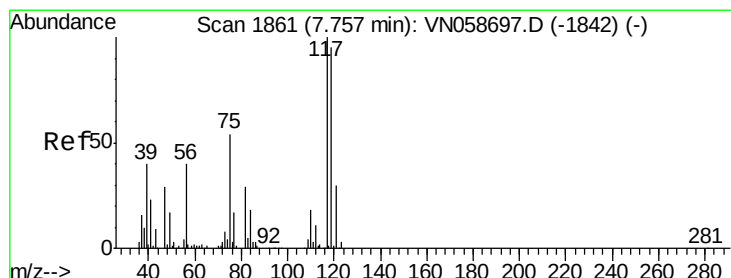
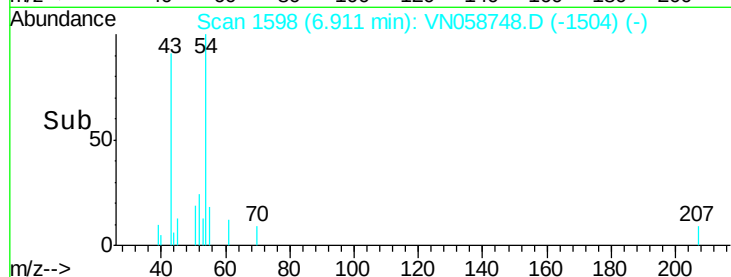
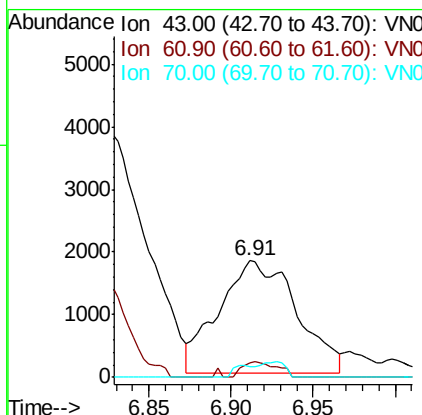
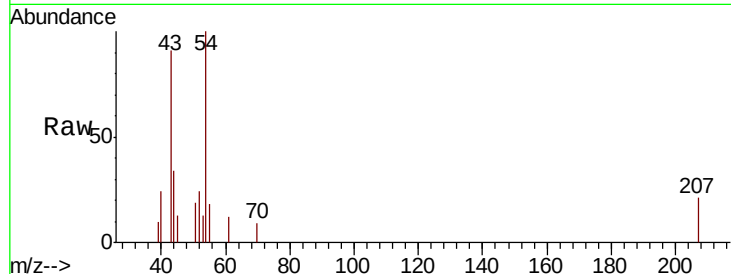
#37
Ethyl Acetate
Concen: 0.925 ug/l m
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	6.3	11.3	16.9#
70	2.9	7.2	10.8#

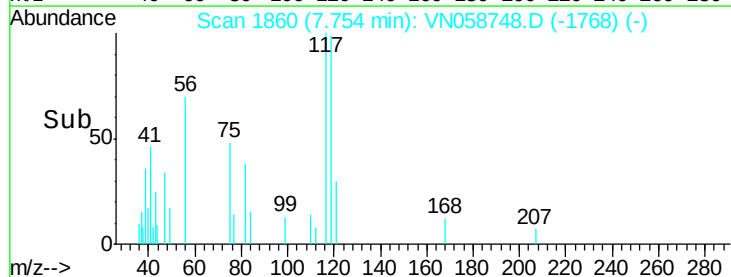
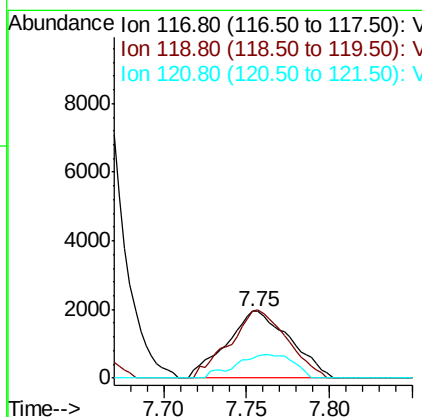
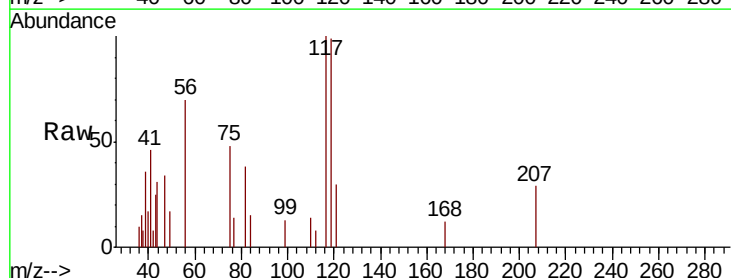
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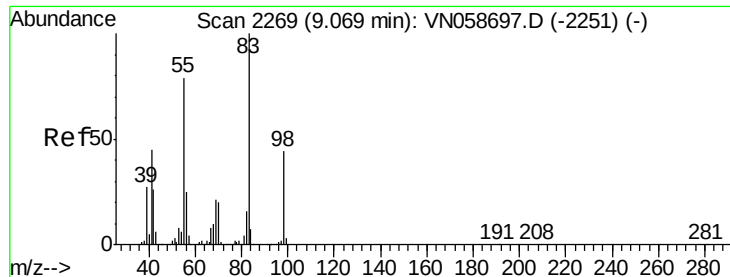
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#38
Carbon Tetrachloride
Concen: 0.830 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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





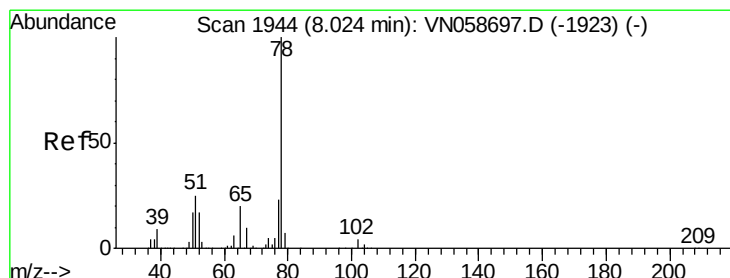
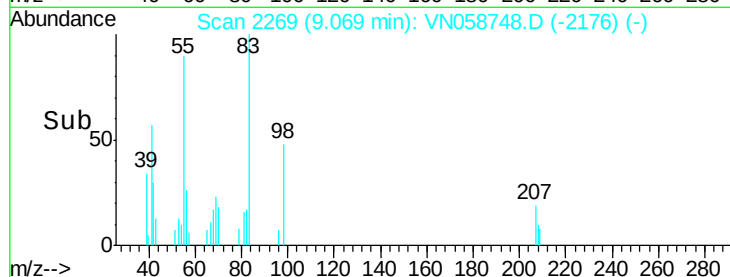
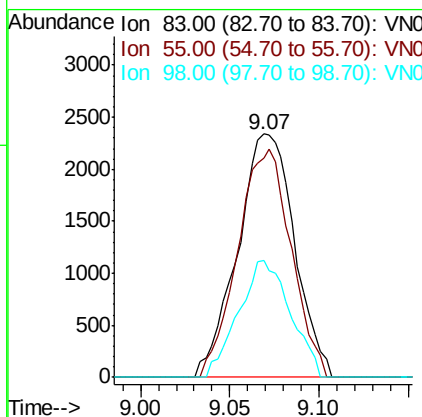
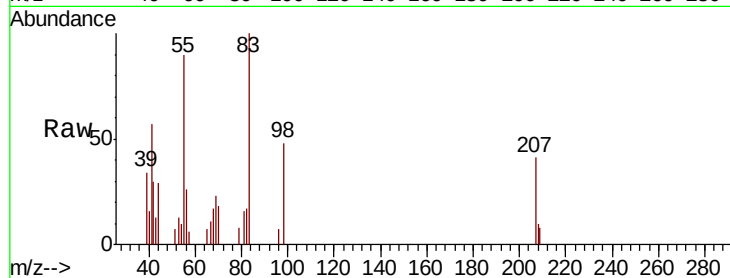
#39
Methylvlcyclohexane
Concen: 0.701 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

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

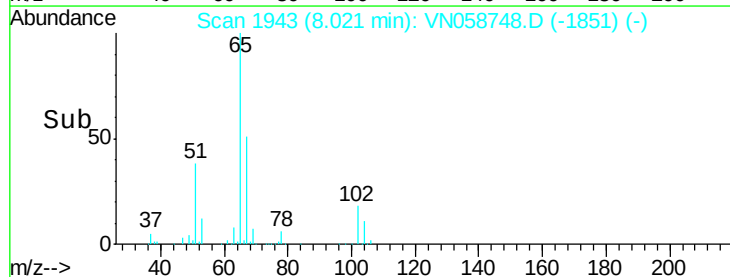
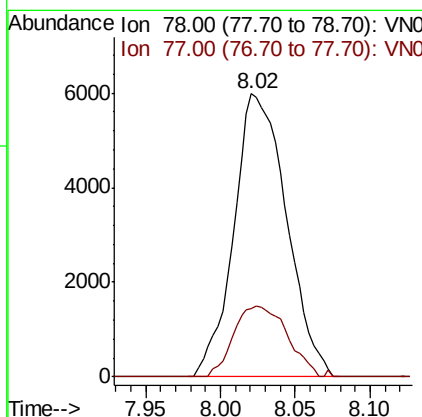
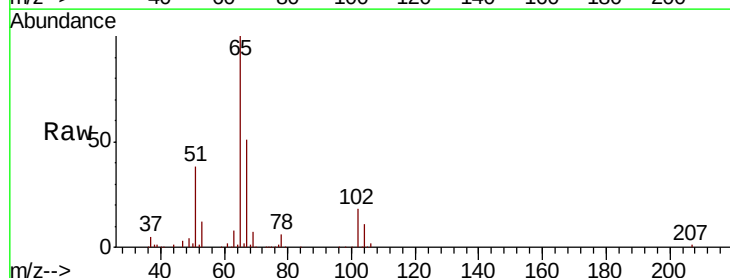
Manual Integrations
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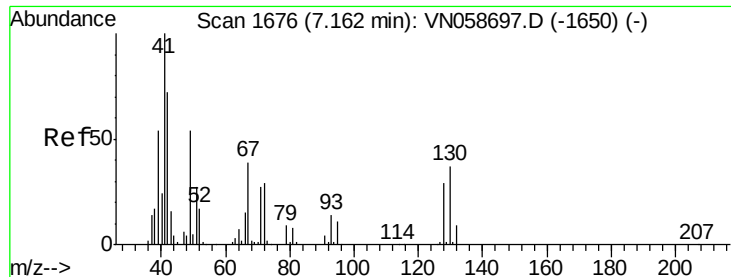
MMDadoda
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#40
Benzene
Concen: 0.799 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





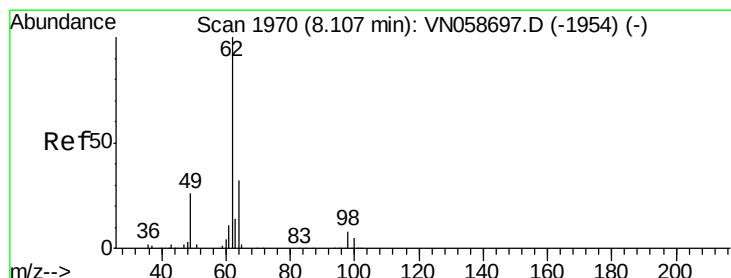
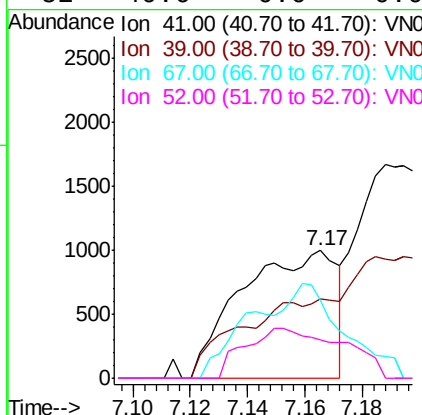
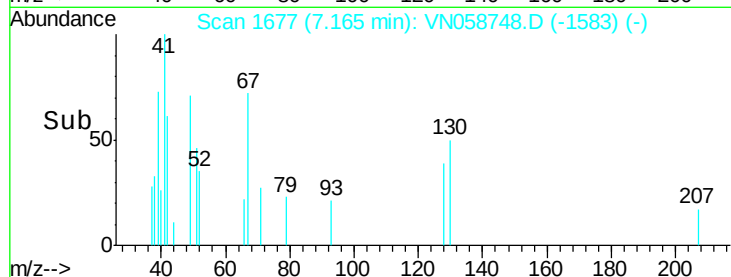
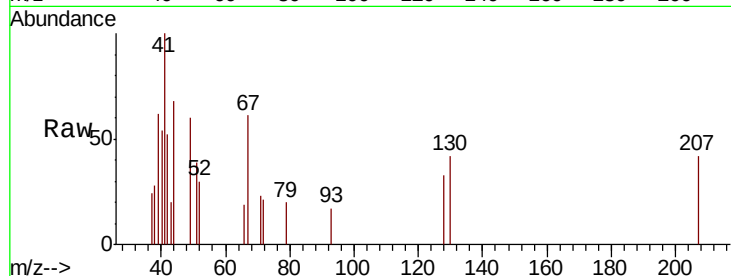
#41
Methacrylonitrile
Concen: 0.758 ug/l m
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	42.9	115.4	173.2#
67	45.8	0.0	0.0#
52	40.6	0.0	0.0#

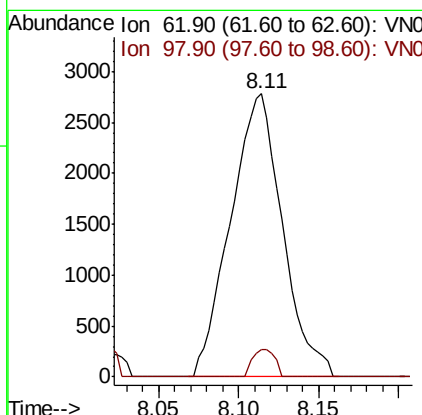
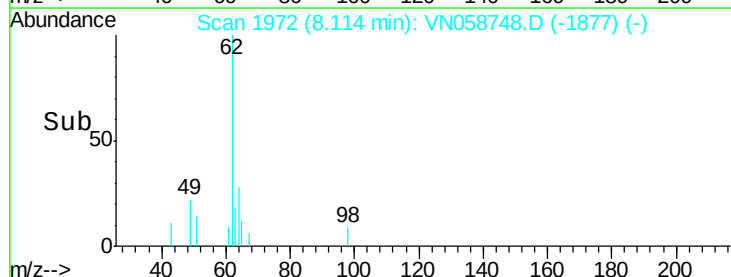
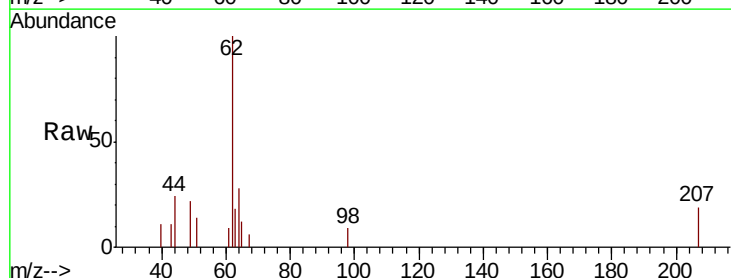
Manual Integrations
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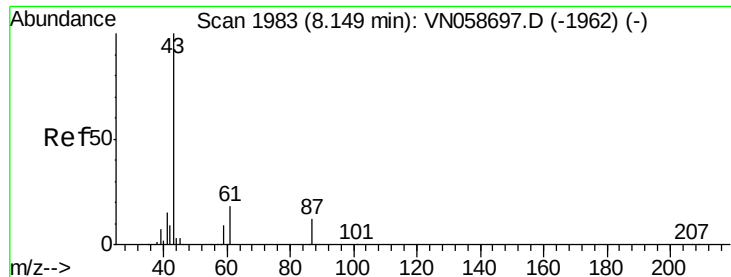
MMDadoda
10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
62	100		
98	4.2	0.0	15.8





#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

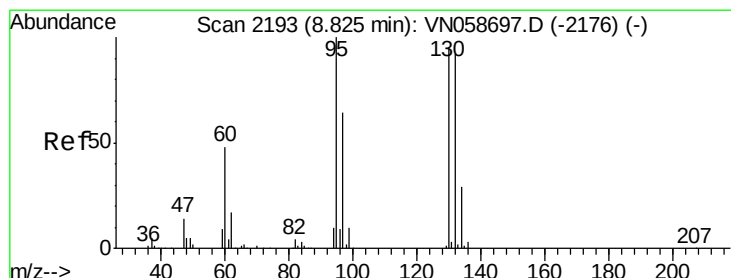
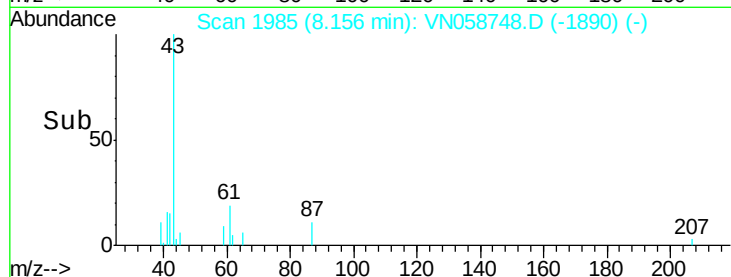
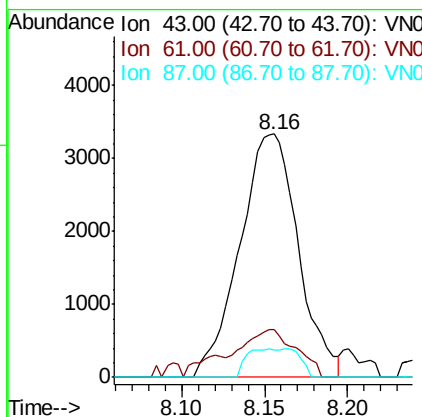
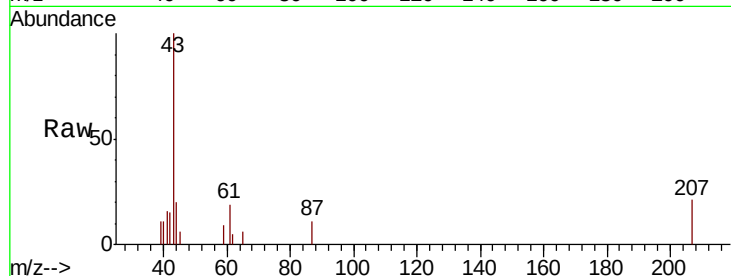
ClientSampleId :

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#

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:56:52 AM



#44

Trichloroethene

Concen: 0.860 ug/l

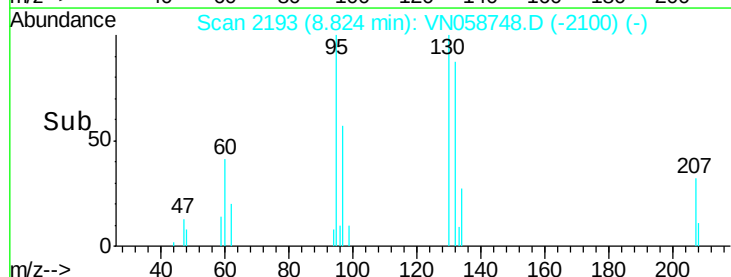
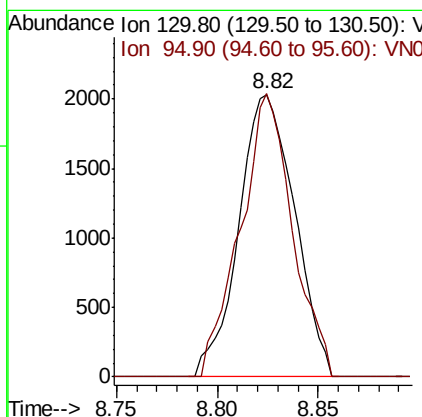
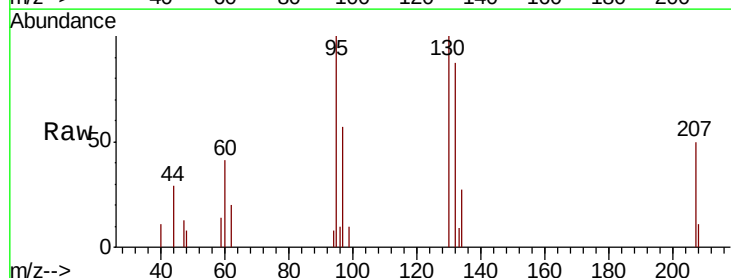
RT: 8.82 min Scan# 2193

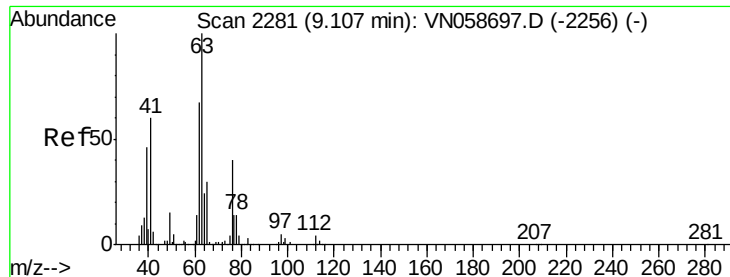
Delta R.T. -0.00 min

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





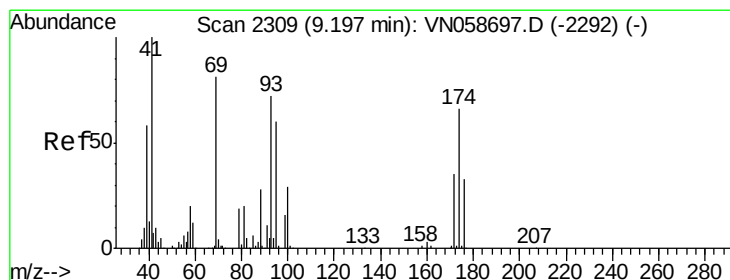
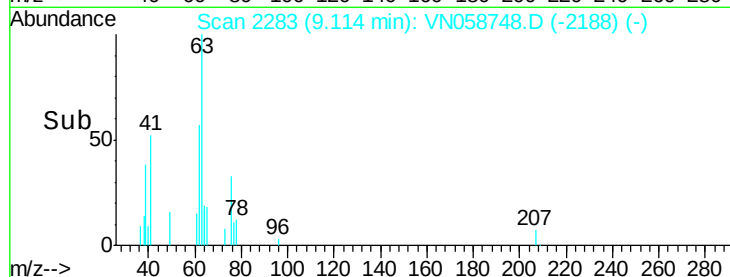
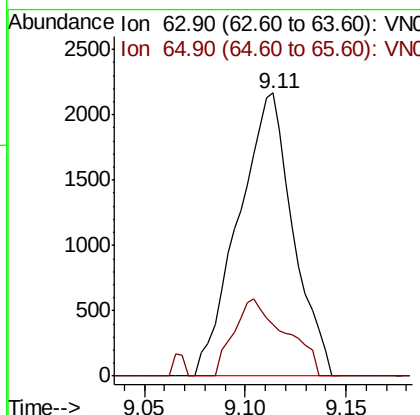
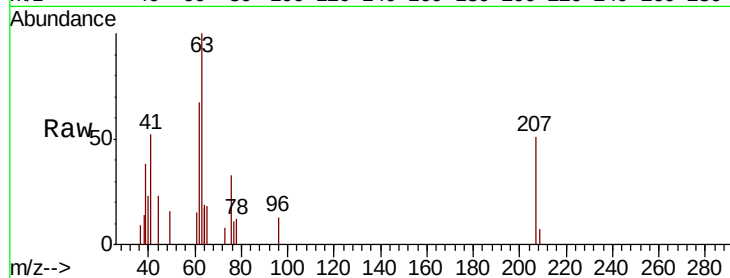
#45
 1,2-Dichloropropane
 Concen: 0.834 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.01 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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#

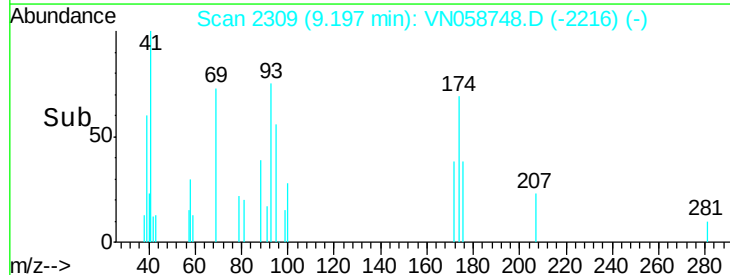
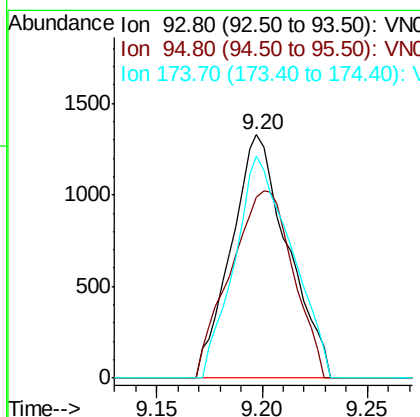
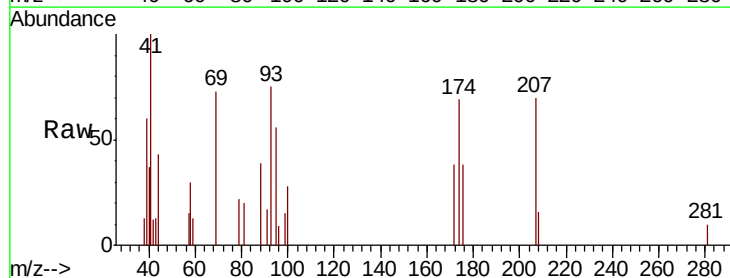
Manual Integrations
 APPROVED

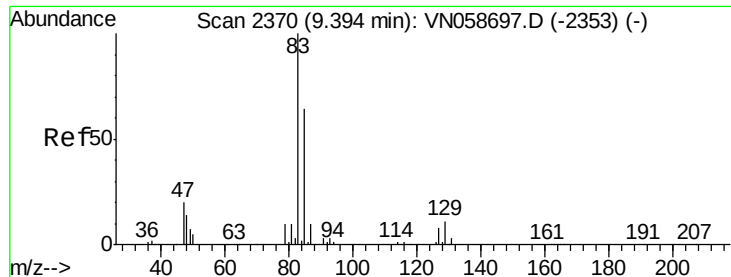
MMDadoda
 10/16/2019 12:56:52 AM



#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





#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

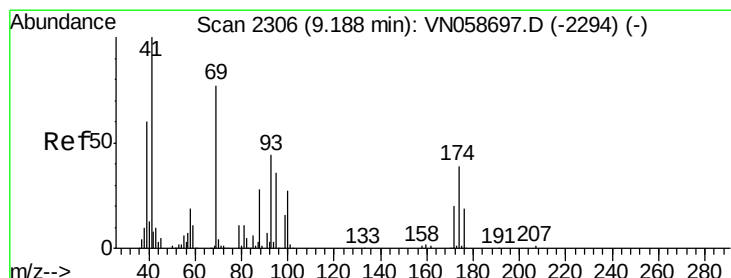
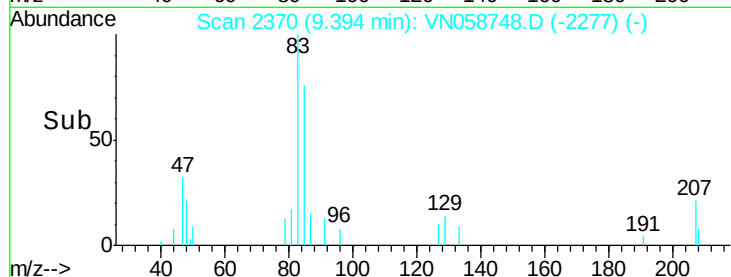
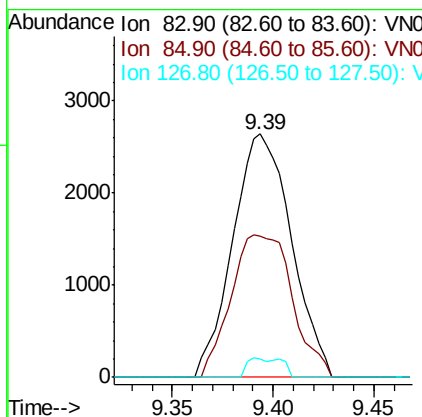
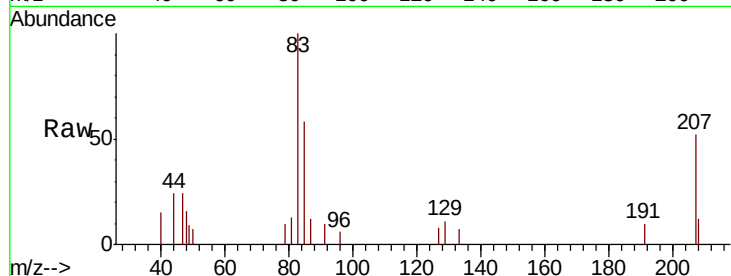
ClientSampleId :

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

Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:56:52 AM



#48

Methyl methacrylate

Concen: 0.758 ug/l

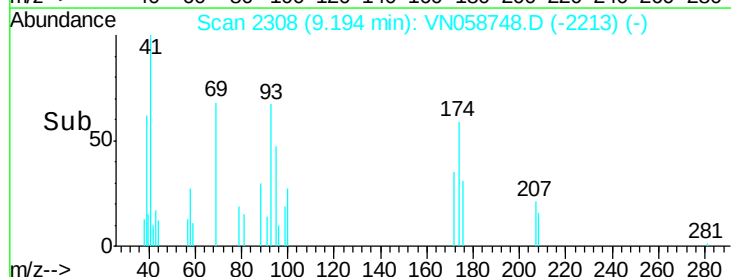
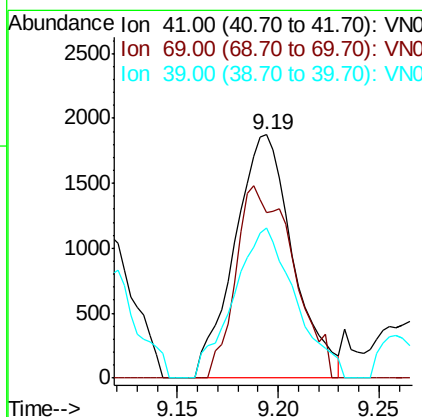
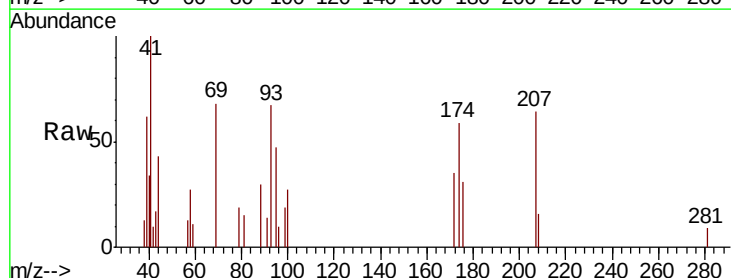
RT: 9.19 min Scan# 2308

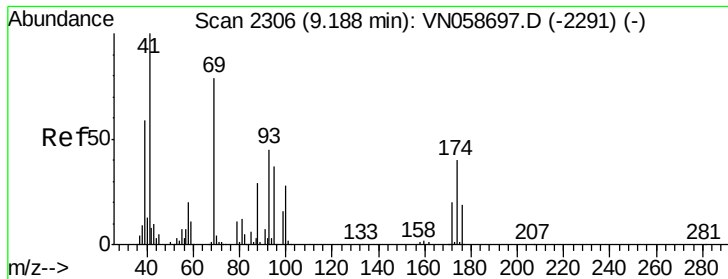
Delta R.T. 0.01 min

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





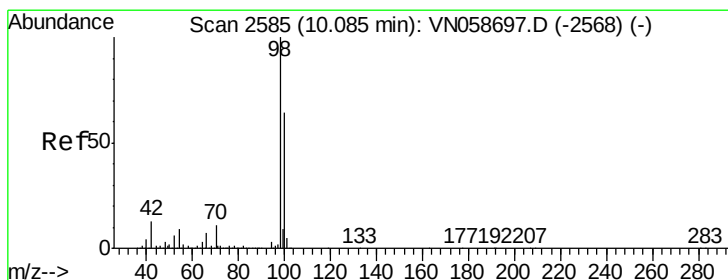
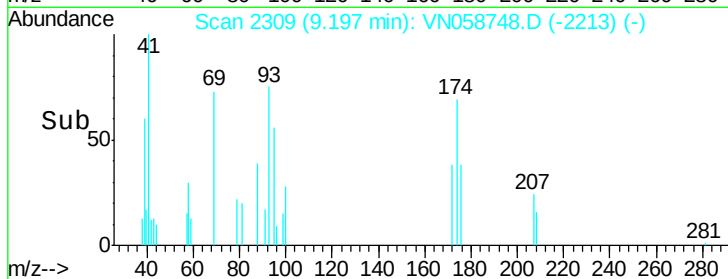
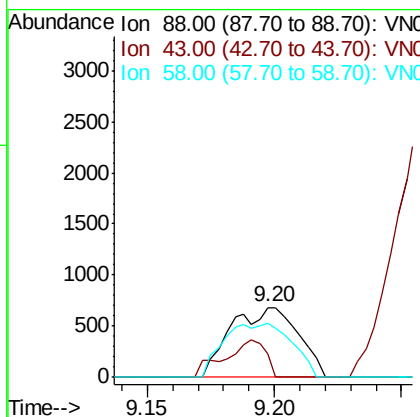
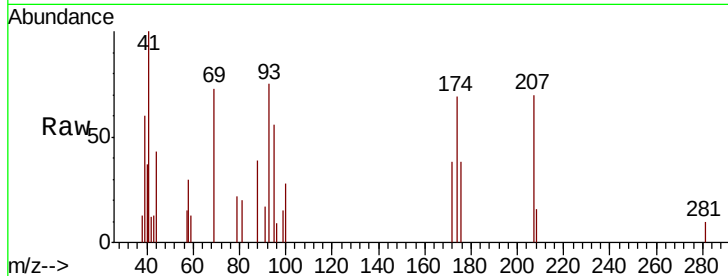
#49
1,4-Dioxane
Concen: 16.351 ug/l m
RT: 9.20 min Scan# 2309
Delta R.T. 0.01 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	28.6	43.0
58	36.8	57.2	85.8#

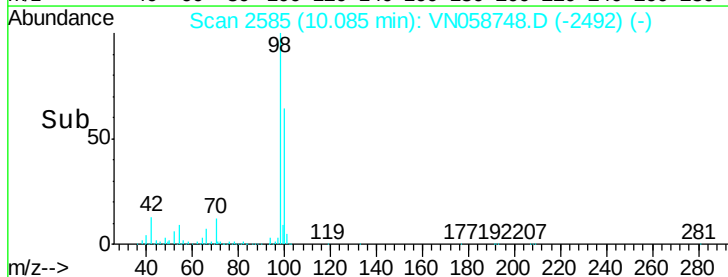
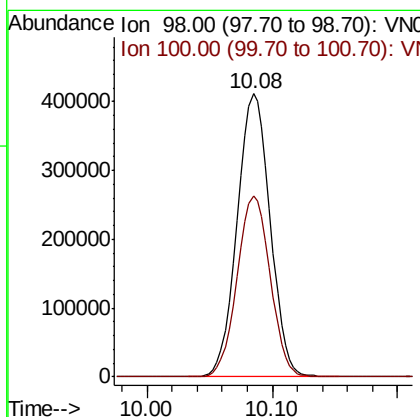
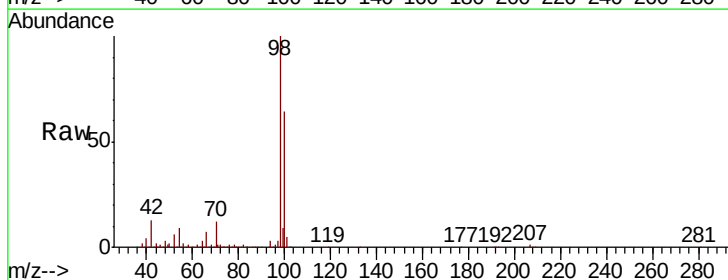
Manual Integrations
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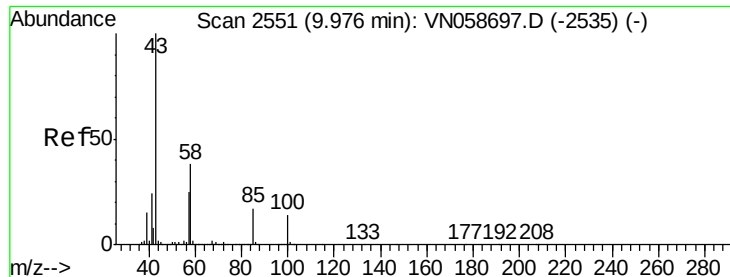
MMDadoda
10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
98	100		
100	64.2	51.1	76.7





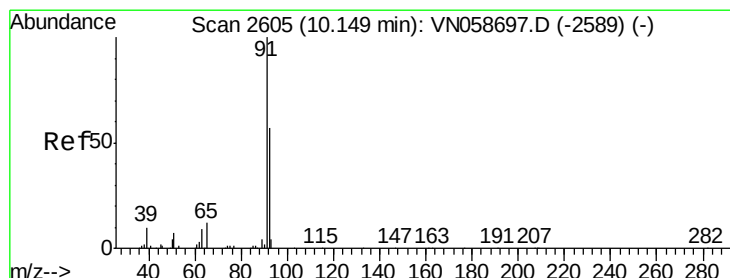
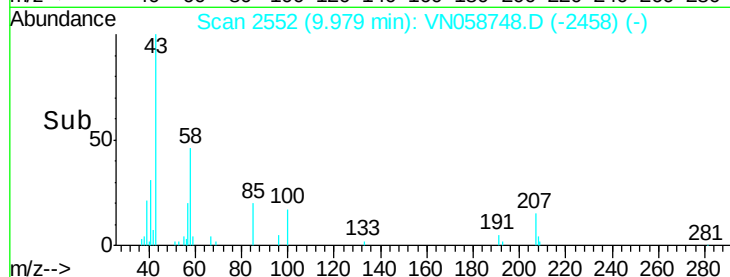
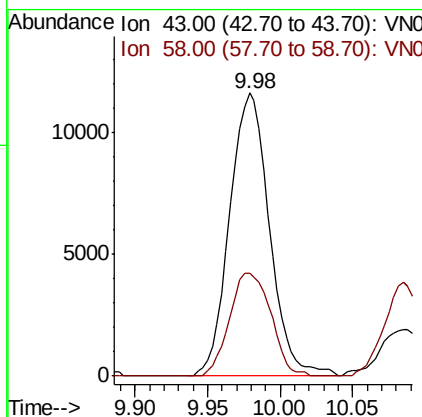
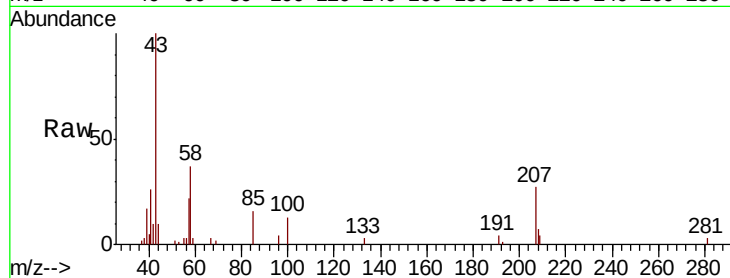
#51
4-Methyl-2-Pentanone
Concen: 3.591 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.3	45.5

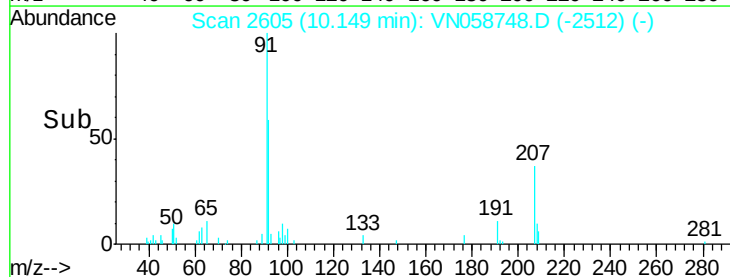
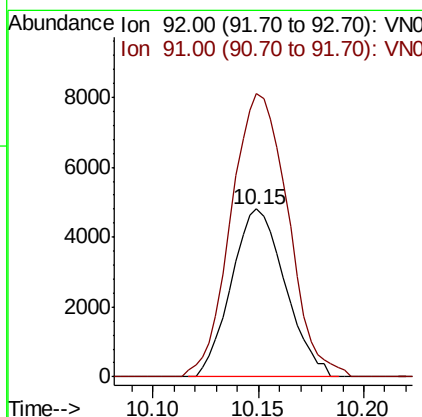
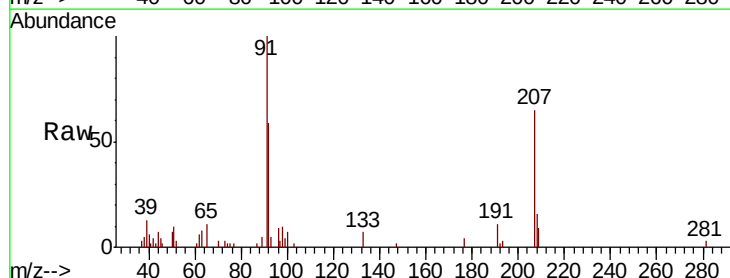
Manual Integrations
APPROVED

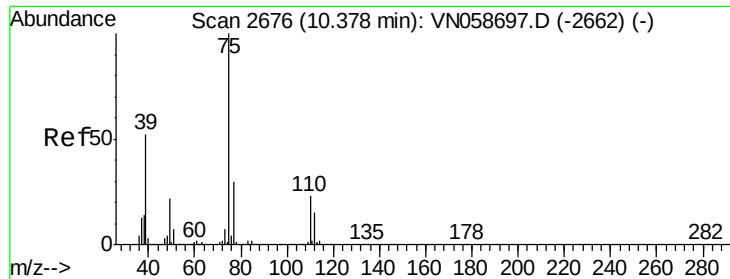
MMDadoda
10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
92	100		
91	178.5	139.1	208.7





#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

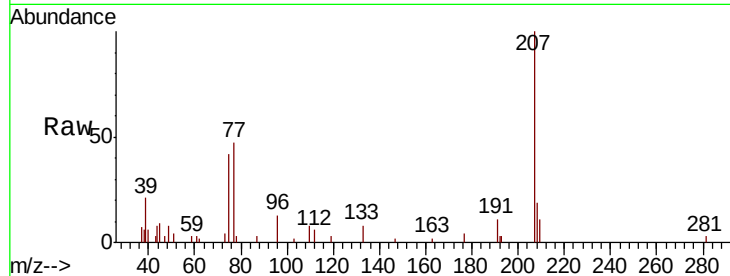
77 67.4 26.2 39.4#

Manual Integrations

APPROVED

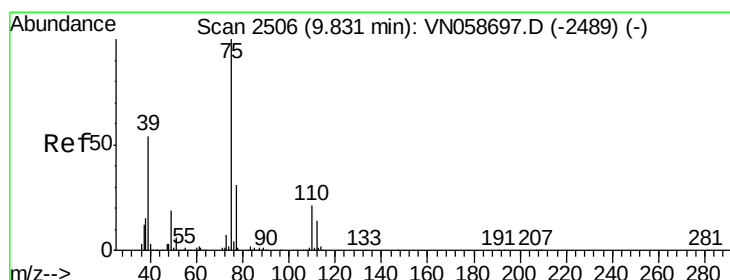
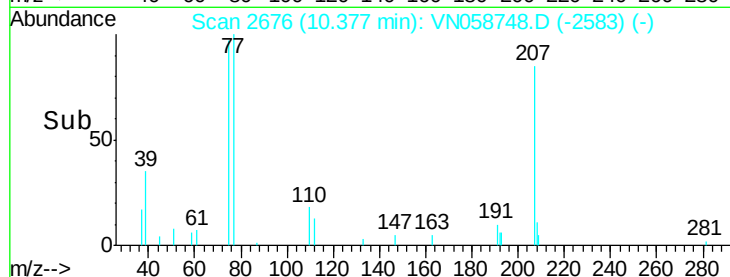
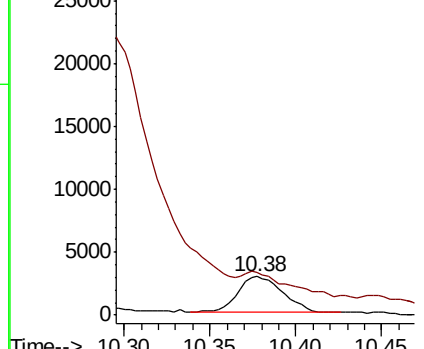
MMDadoda

10/16/2019 12:56:52 AM



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

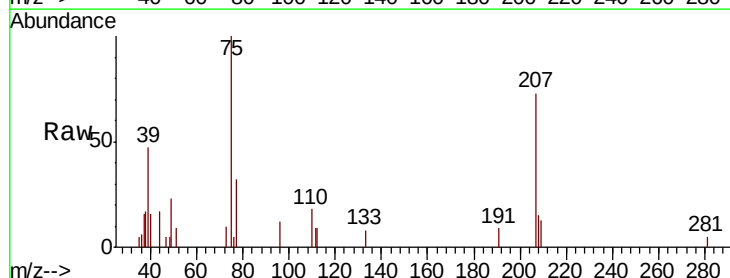
Tgt Ion: 75 Resp: 5626

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

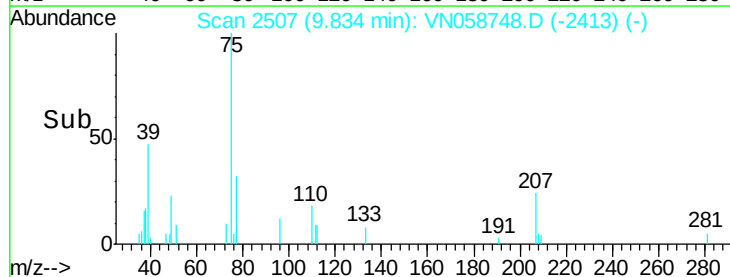
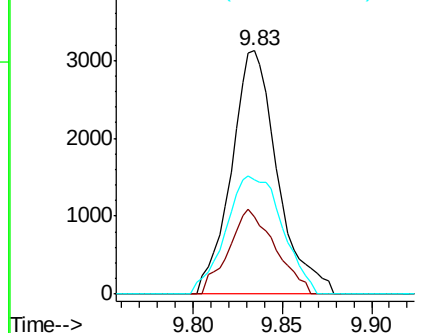
39 47.2 43.1 64.7

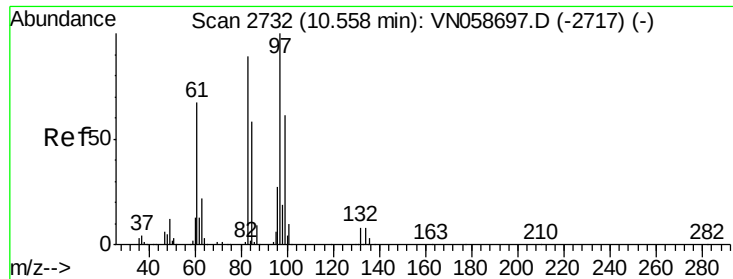


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





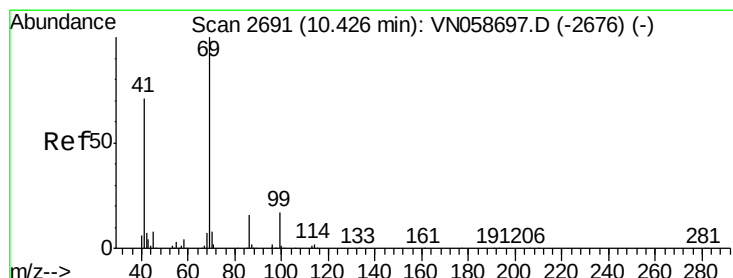
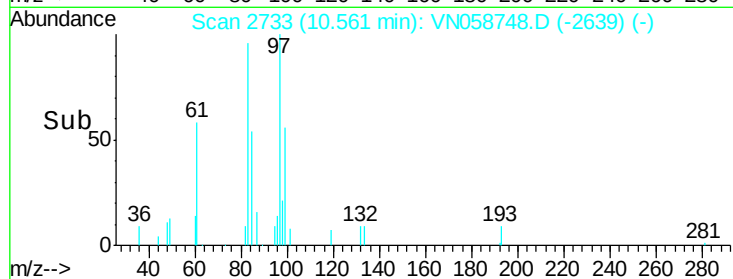
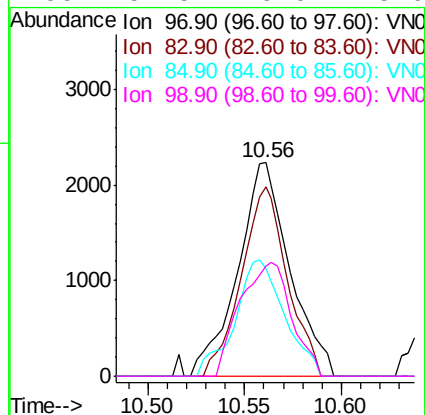
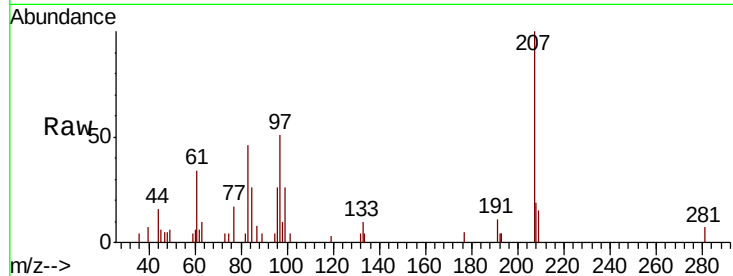
#55
 1,1,2-Trichloroethane
 Concen: 0.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

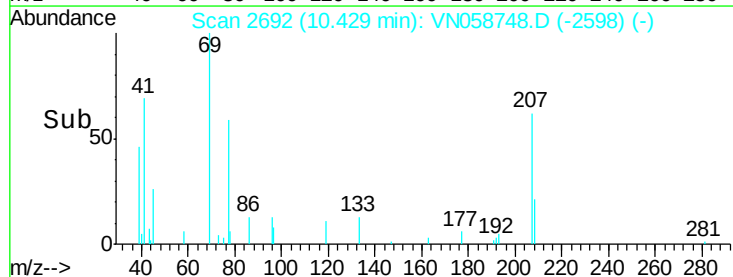
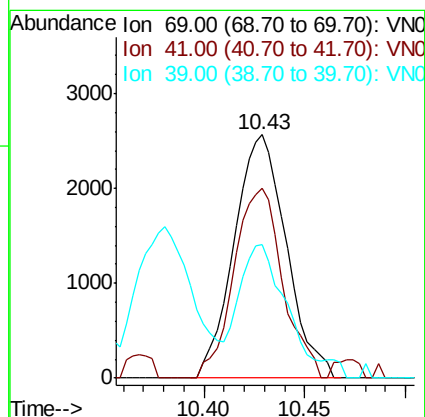
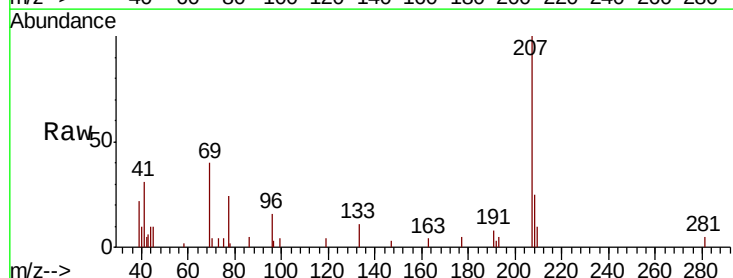
Manual Integrations
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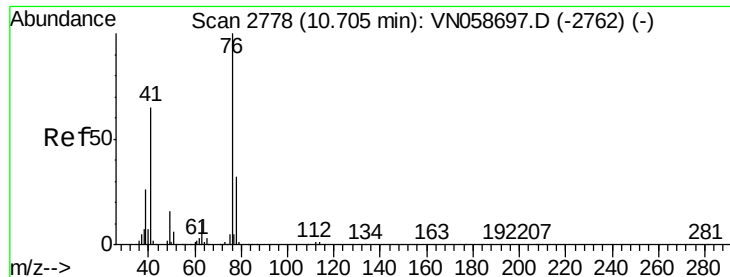
MMDadoda
 10/16/2019 12:56:52 AM



#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





#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

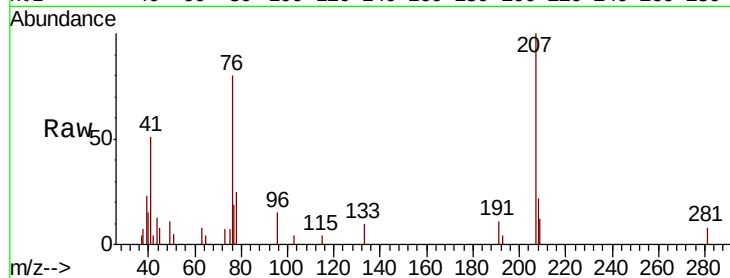
Ion Ratio Lower Upper

76 100

78 33.0 25.9 38.9

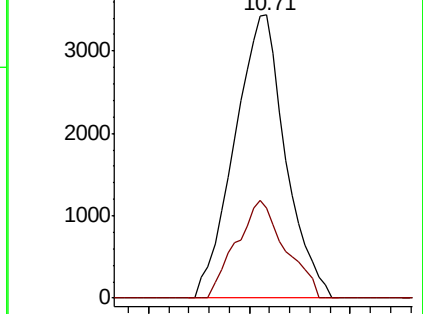
Manual Integrations
APPROVED

MMDadoda
10/16/2019 12:56:52 AM

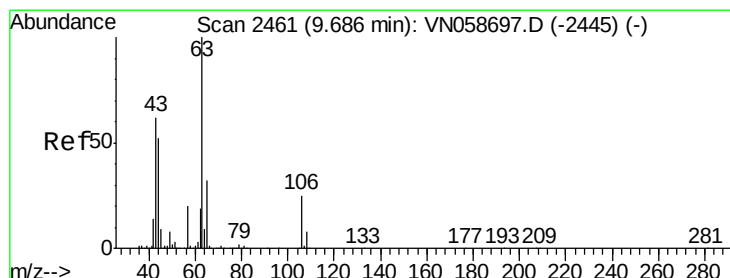
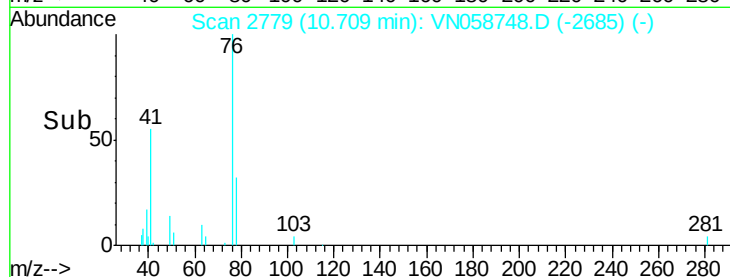


Abundance Ion 75.90 (75.60 to 76.60): VN058697.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN058697.D (-2762) (-)



Time-->



#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

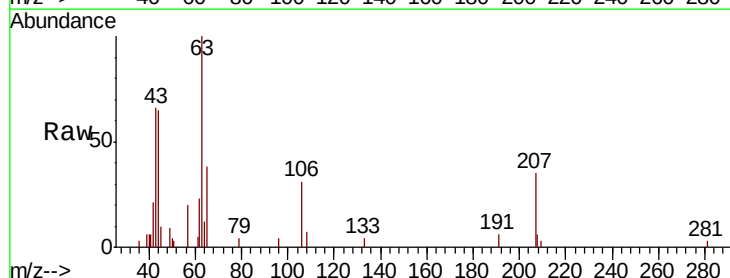
Acq: 14 Oct 2019 14:42

Tgt Ion: 63 Resp: 9932

Ion Ratio Lower Upper

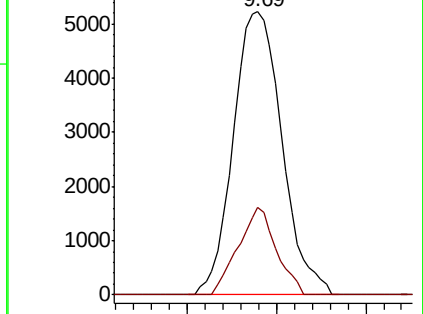
63 100

106 24.0 20.0 30.0

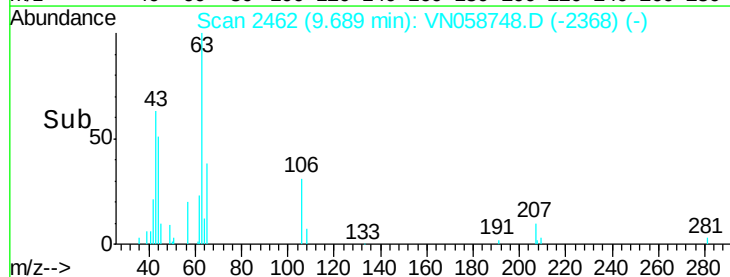


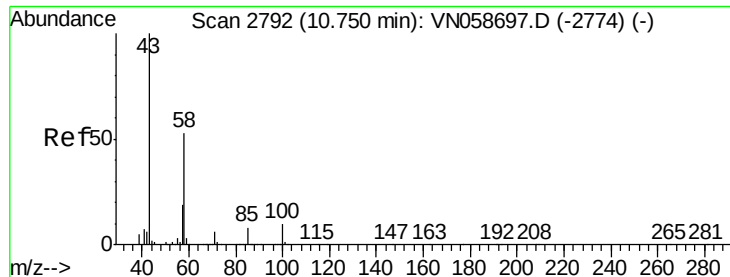
Abundance Ion 62.90 (62.60 to 63.60): VN058697.D (-2445) (-)

Ion 105.90 (105.60 to 106.60): VN058697.D (-2445) (-)



Time-->





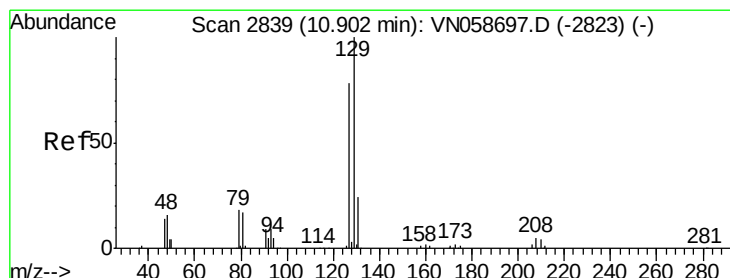
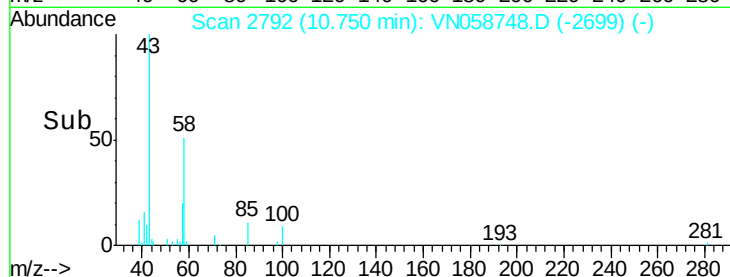
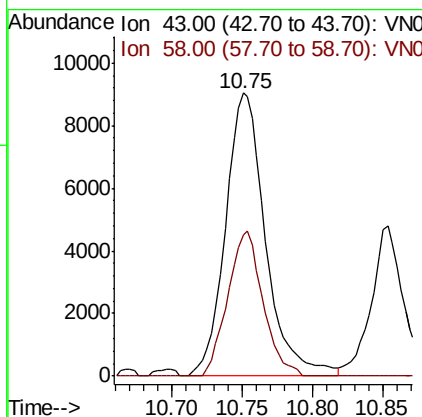
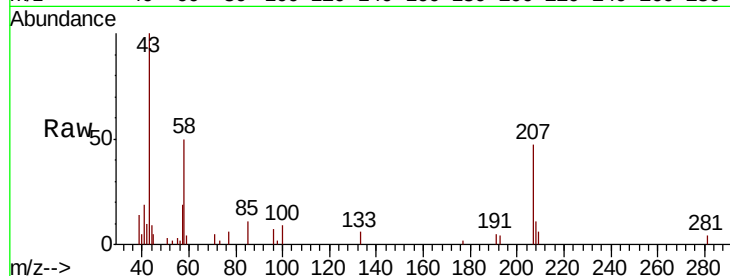
#59
2-Hexanone
Concen: 3.749 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

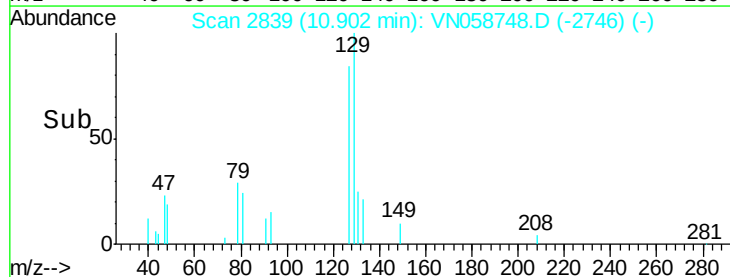
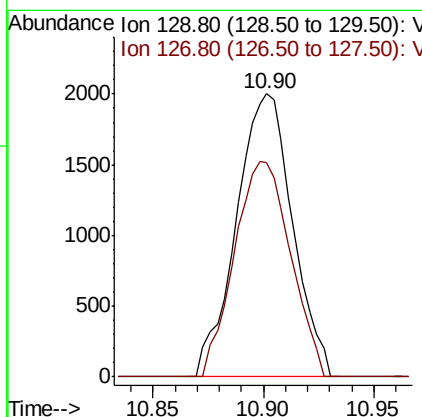
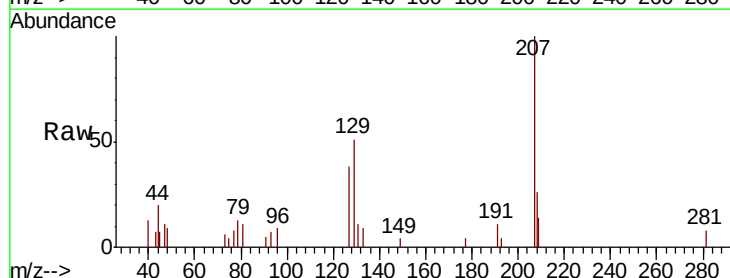
Manual Integrations
APPROVED

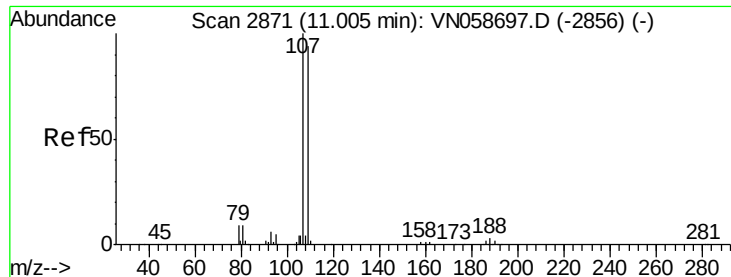
MMDadoda
10/16/2019 12:56:52 AM



#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





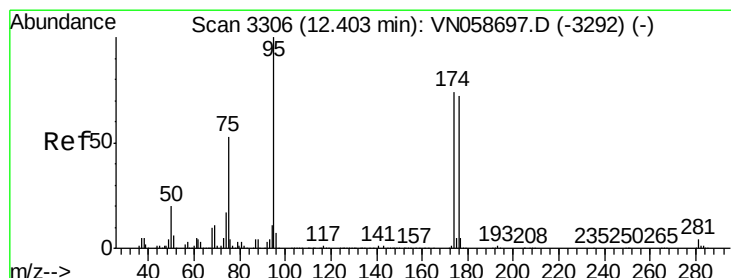
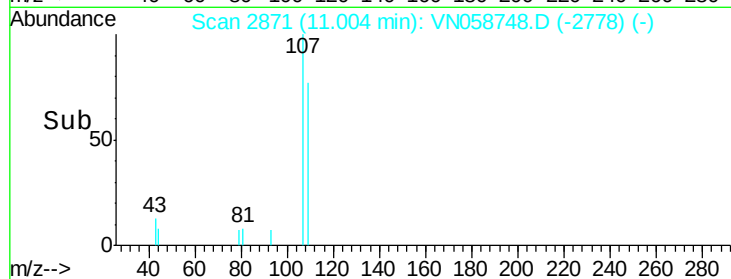
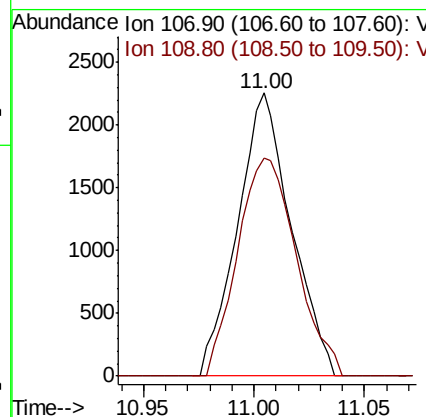
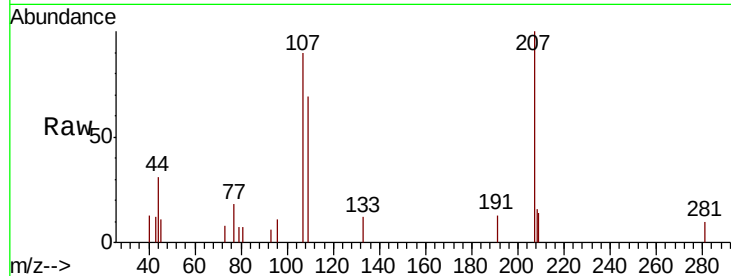
#61
 1,2-Dibromoethane
 Concen: 0.825 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

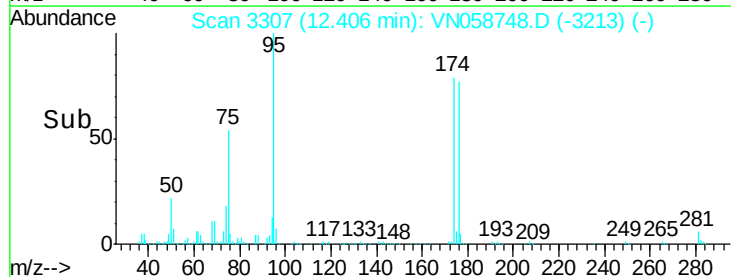
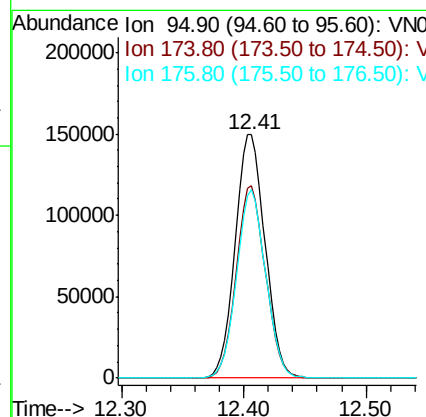
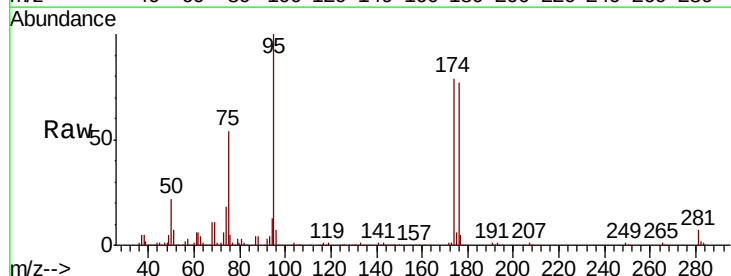
Manual Integrations
 APPROVED

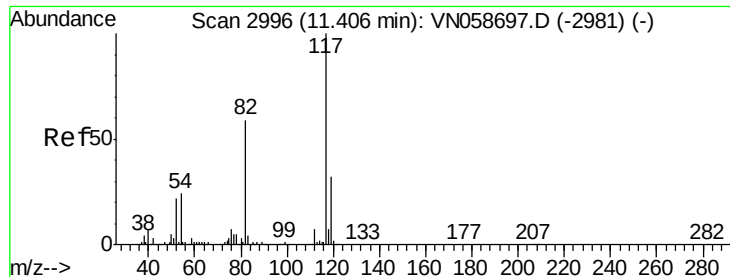
MMDadoda
 10/16/2019 12:56:52 AM



#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





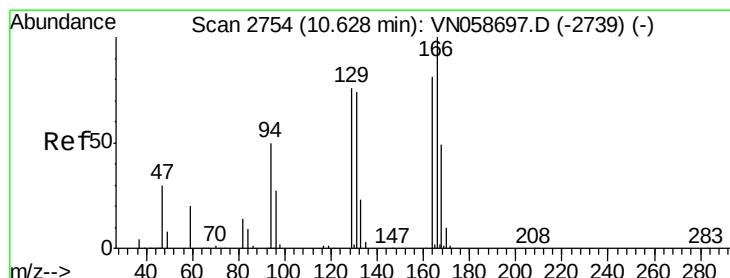
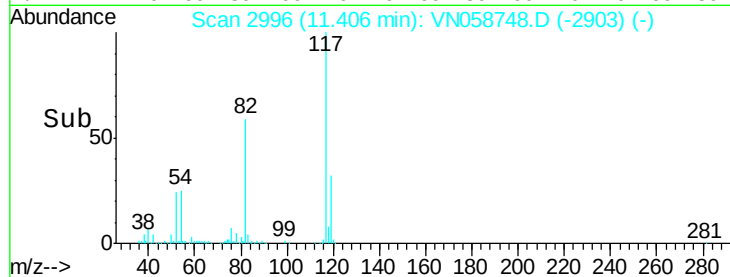
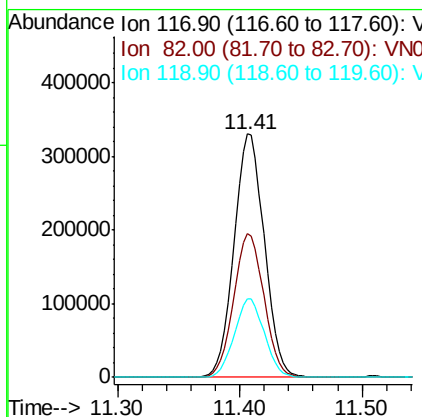
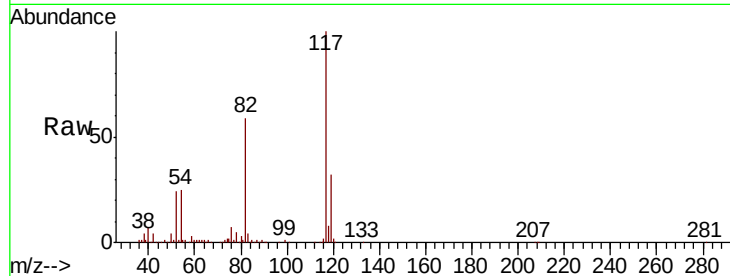
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

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

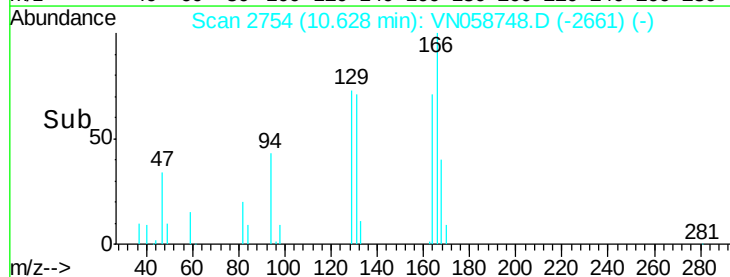
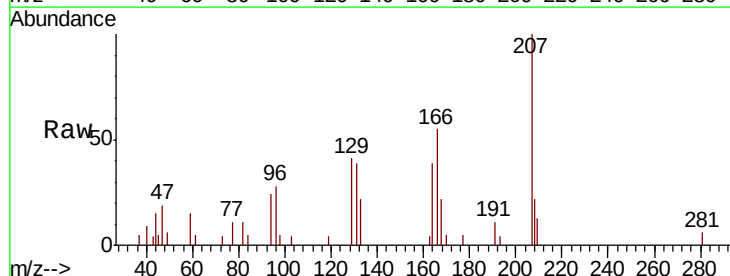
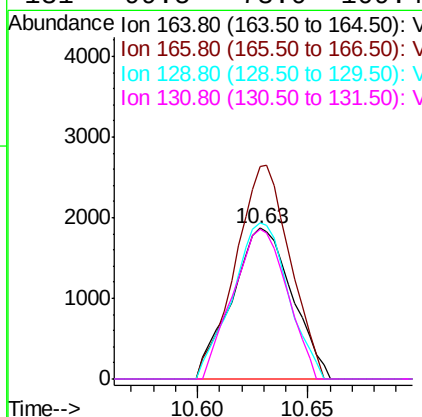
Manual Integrations
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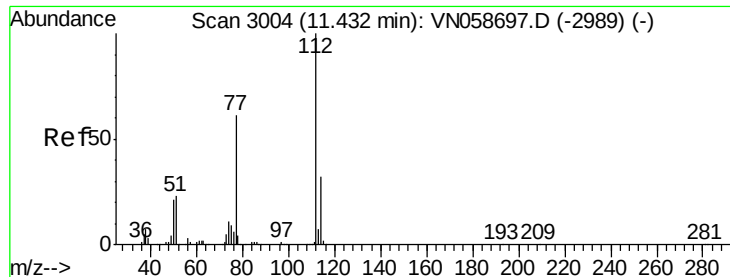
MMDadoda
10/16/2019 12:56:52 AM



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





#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

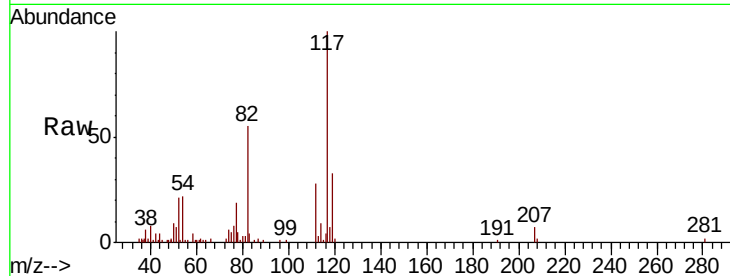
114 31.6 25.2 37.8

Manual Integrations

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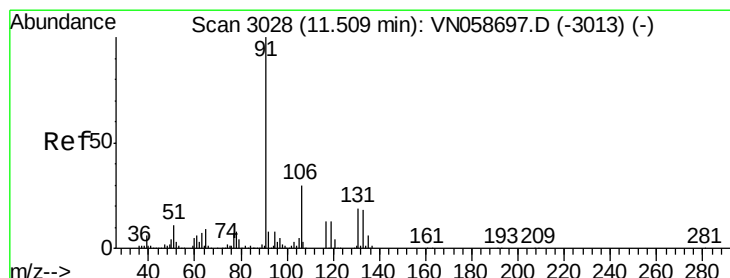
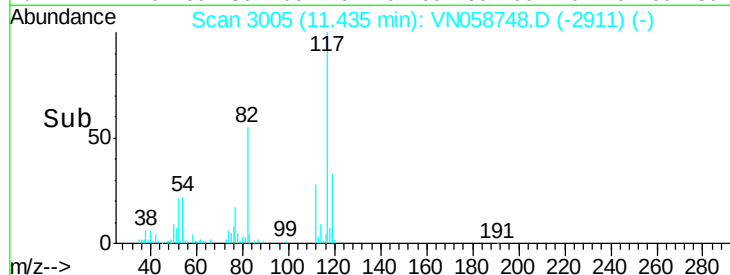
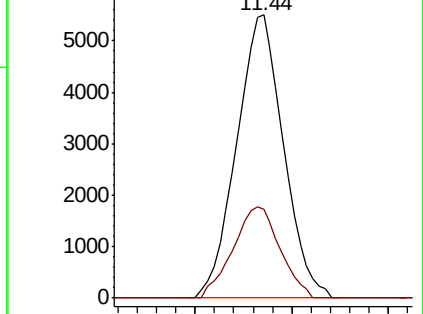
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#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

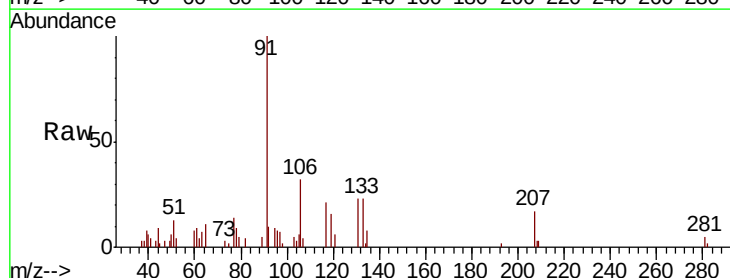
Tgt Ion:131 Resp: 3323

Ion Ratio Lower Upper

131 100

133 124.3 47.6 142.9

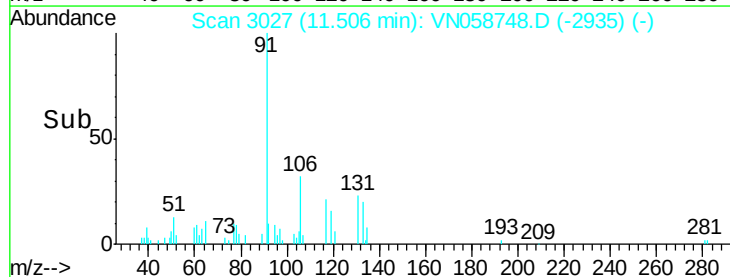
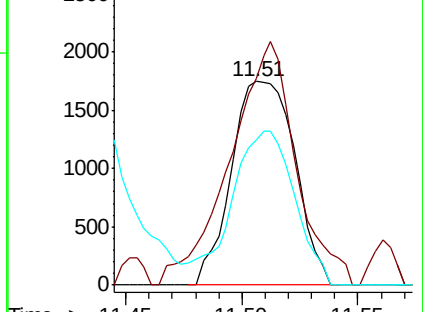
119 0.0 33.0 98.9#

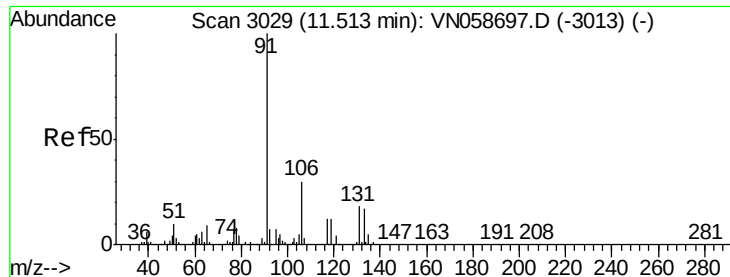


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#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

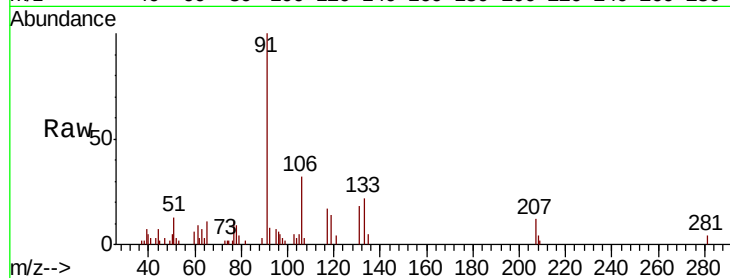
106 32.2 24.1 36.1

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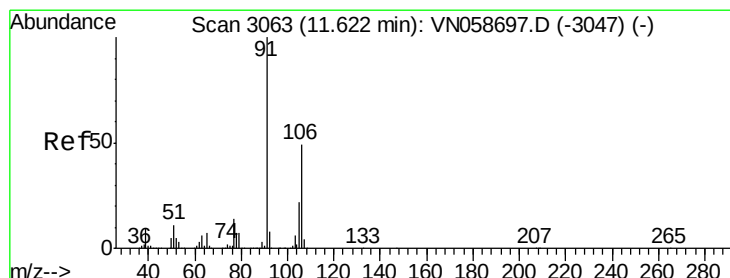
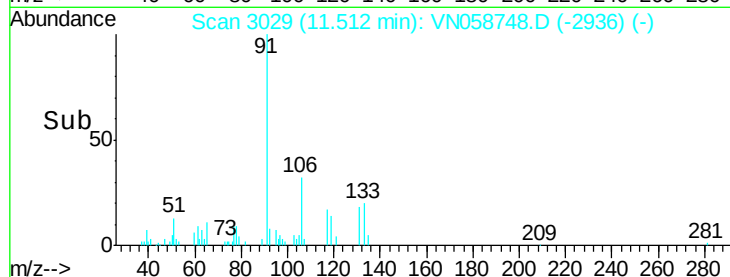
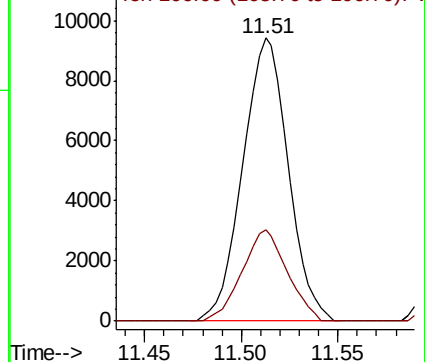
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#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

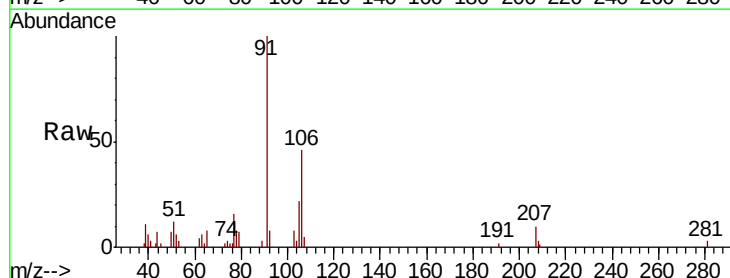
Acq: 14 Oct 2019 14:42

Tgt Ion: 106 Resp: 10283

Ion Ratio Lower Upper

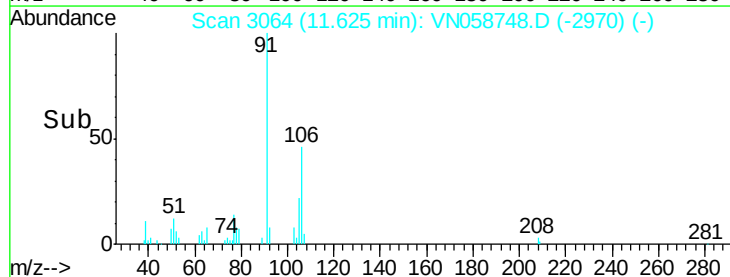
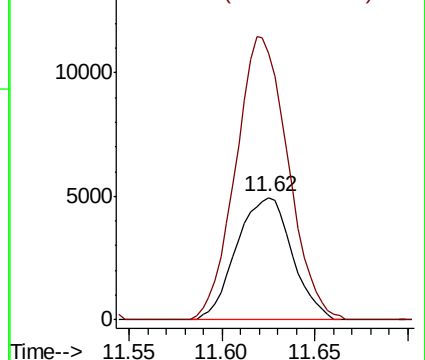
106 100

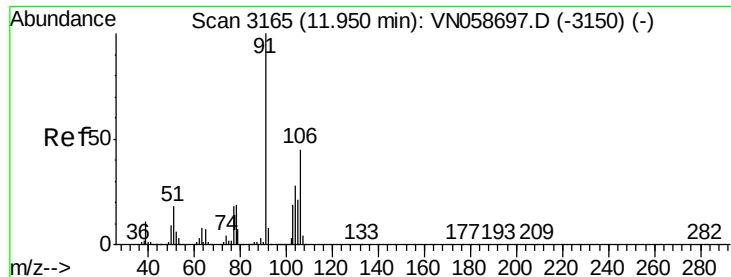
91 218.2 165.7 248.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





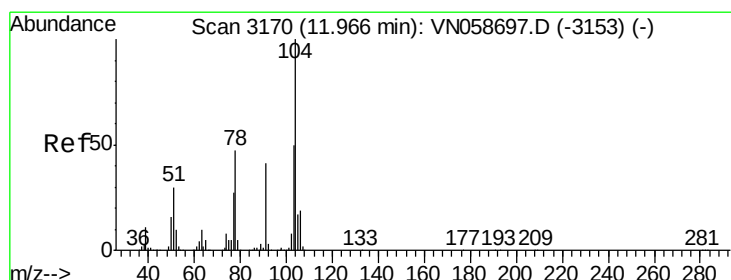
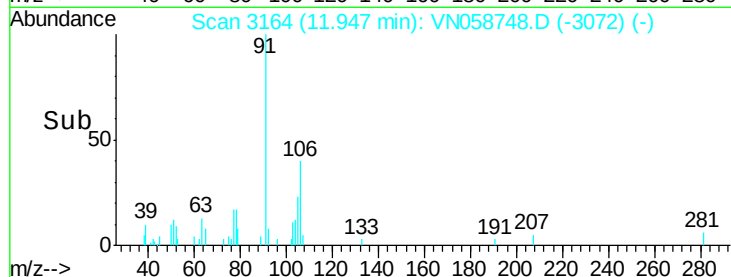
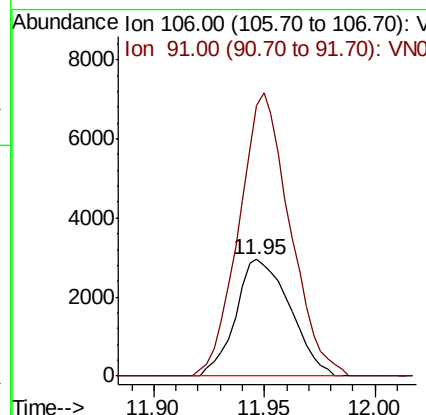
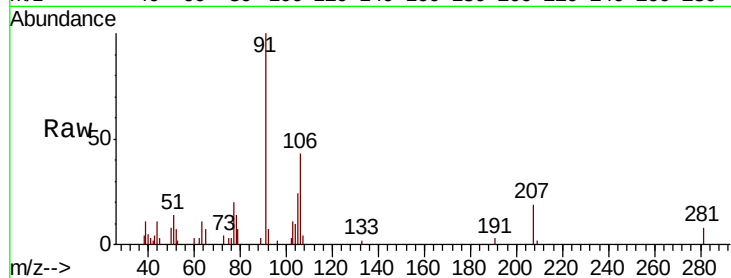
#69
o-Xylene
Concen: 0.673 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	228.0	110.9	332.9	

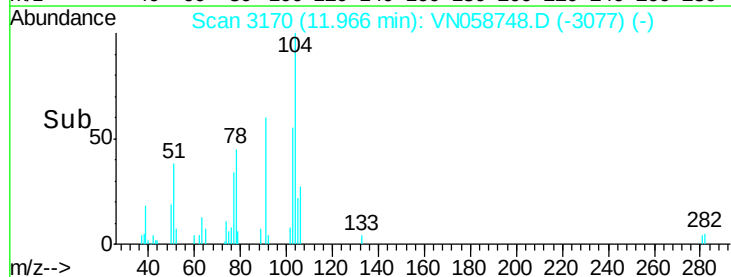
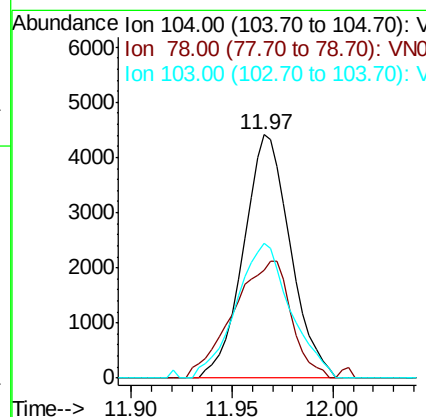
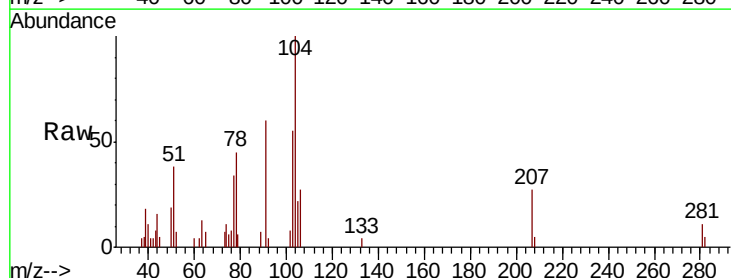
Manual Integrations
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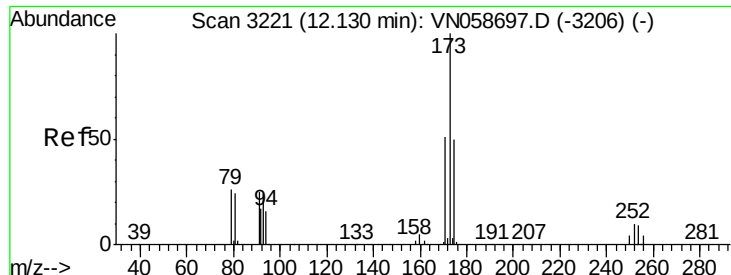
MMDadoda
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#70
Styrene
Concen: 0.586 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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





#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

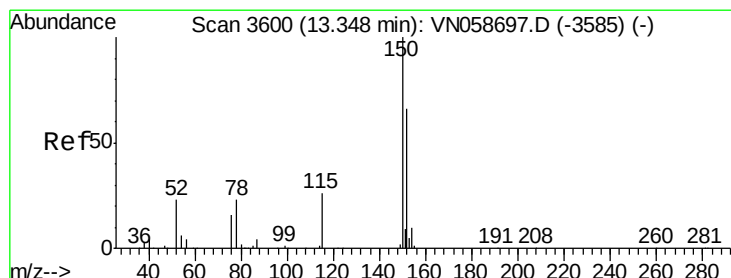
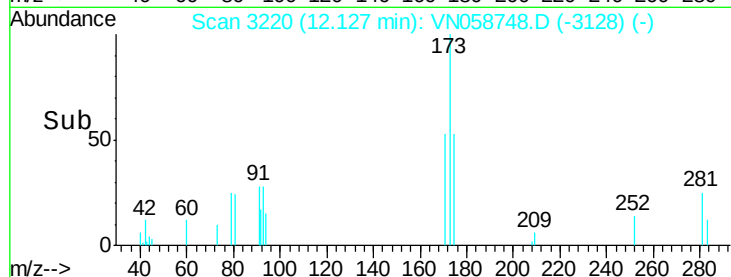
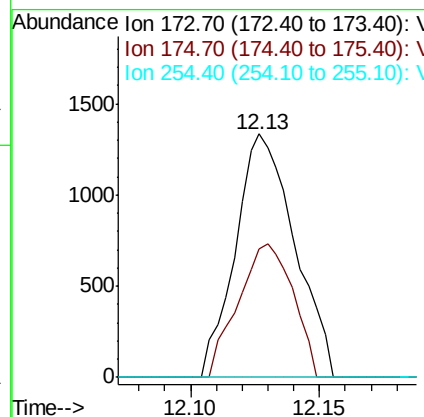
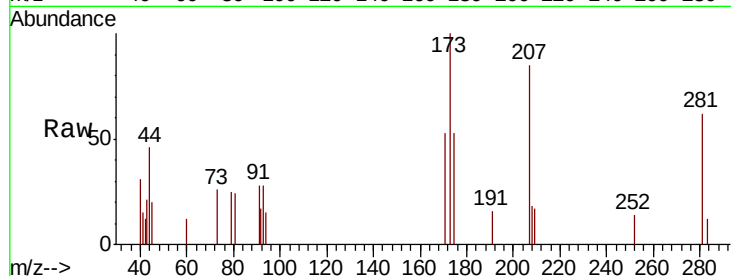
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.6	73.8
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

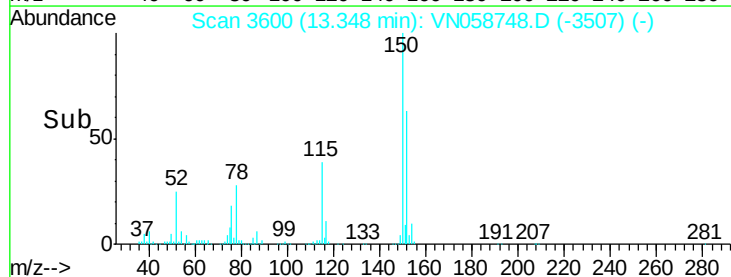
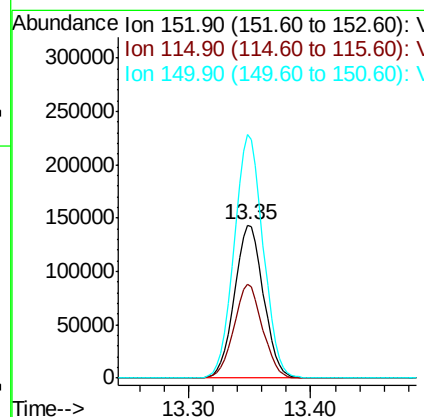
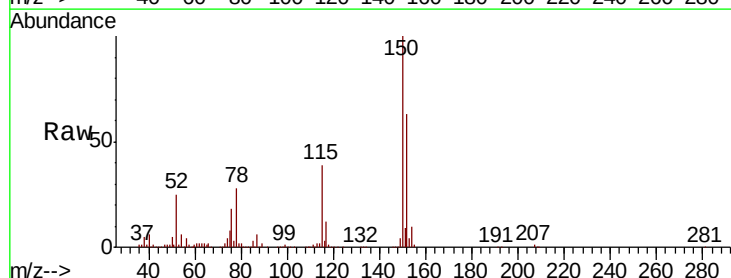
RT: 13.35 min Scan# 3600

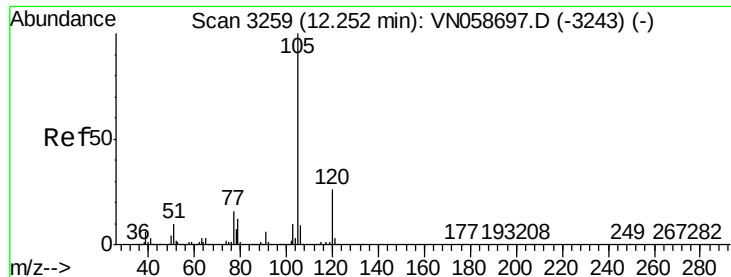
Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.4	91.2
150	158.1	0.0	345.4





#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

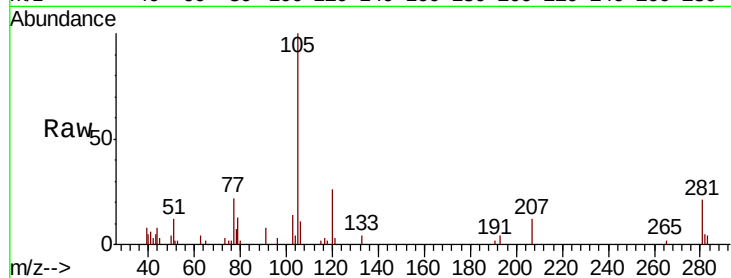
120 25.4 13.1 39.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

8000

6000

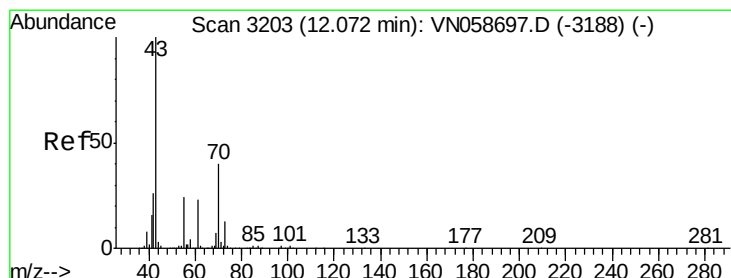
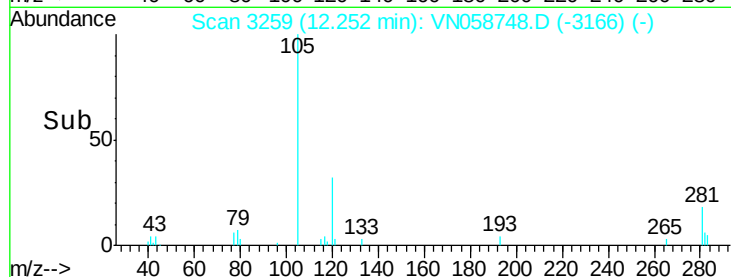
4000

2000

0

Time-->

12.20 12.25 12.30



#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

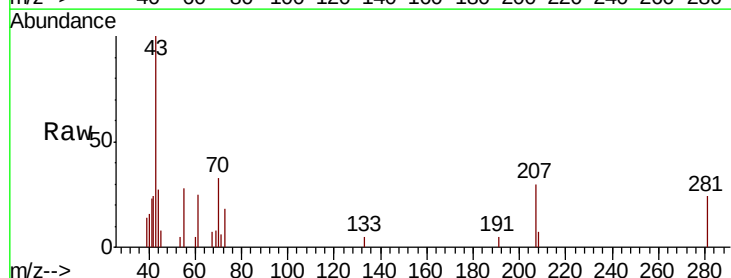
Ion Ratio Lower Upper

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

5000

4000

3000

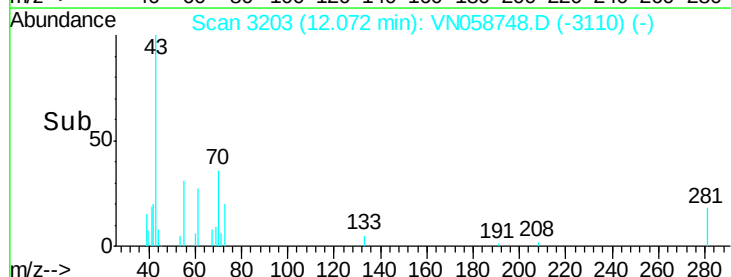
2000

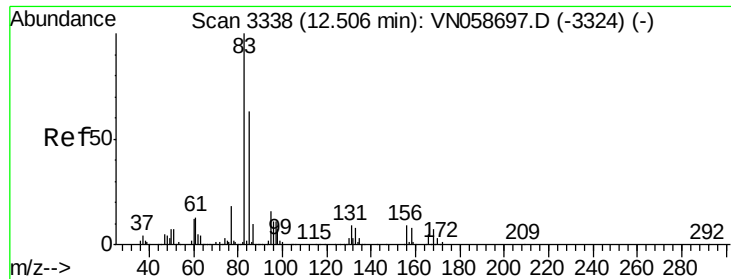
1000

0

Time-->

12.00 12.05 12.10 12.15





#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

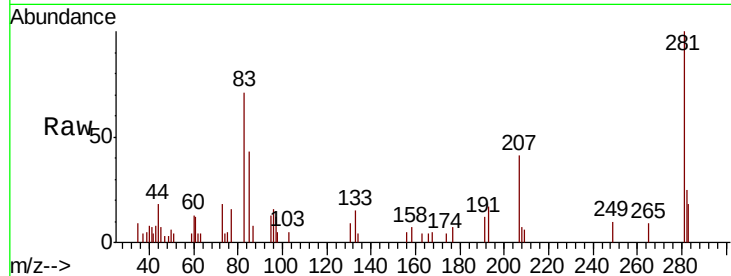
ClientSampleId :

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

Manual Integrations
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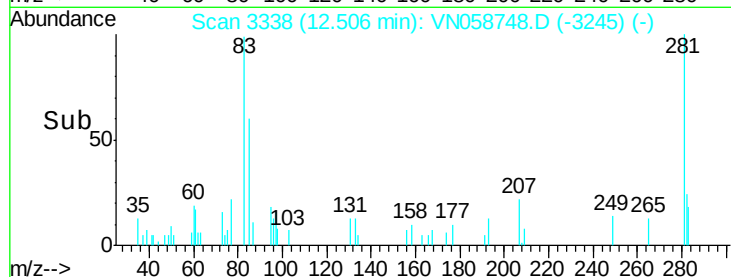


Abundance Ion 82.90 (82.60 to 83.60): VN058748.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN058748.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN058748.D (-3324) (-)

Time-->

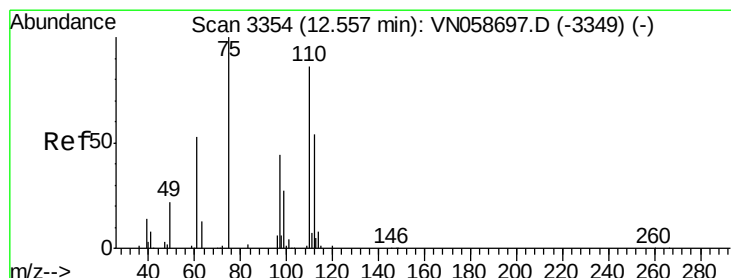


Abundance Ion 82.90 (82.60 to 83.60): VN058748.D (-3324) (-)

Ion 130.80 (130.50 to 131.50): VN058748.D (-3324) (-)

Ion 84.90 (84.60 to 85.60): VN058748.D (-3324) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 1.140 ug/l m

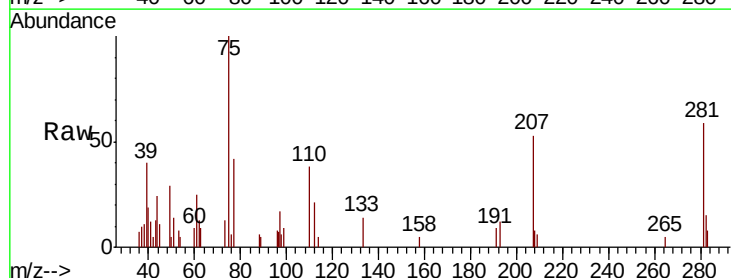
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

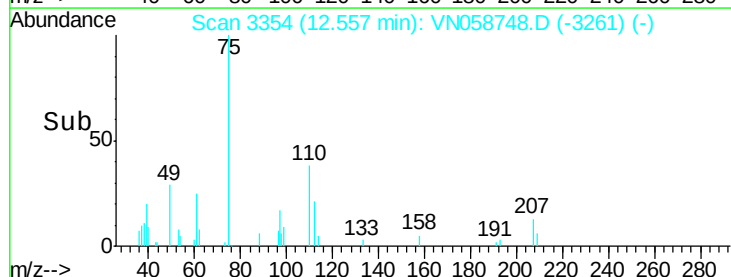
Tgt Ion:	75	Resp:	5956
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058748.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058748.D (-3349) (-)

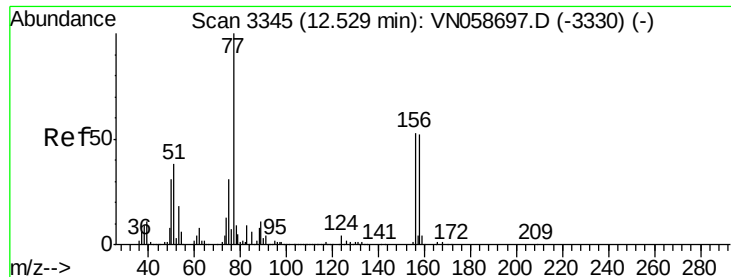
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN058748.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058748.D (-3349) (-)

Time-->



#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

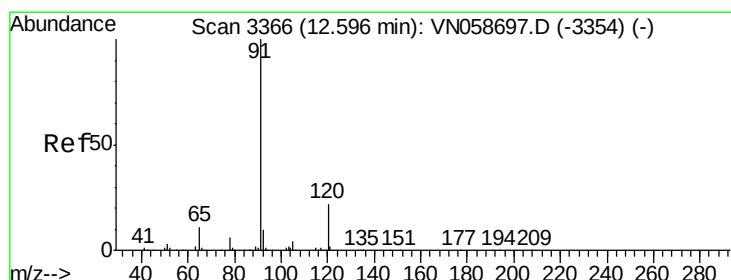
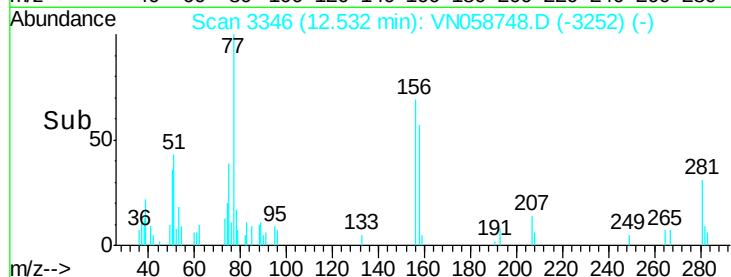
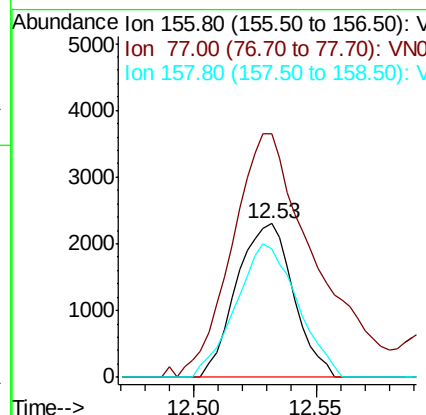
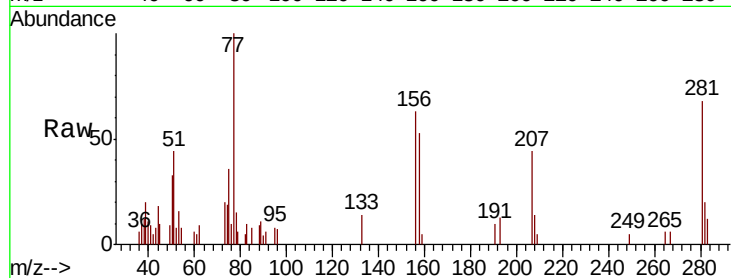
ClientSampleId :

LOD-MDL-WATER-01-QT4-2019

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.5	115.8	347.3
158	94.3	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 0.810 ug/l

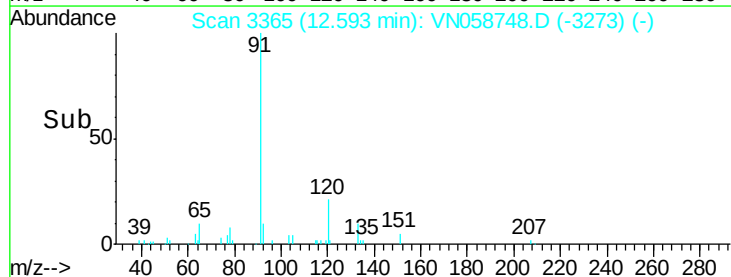
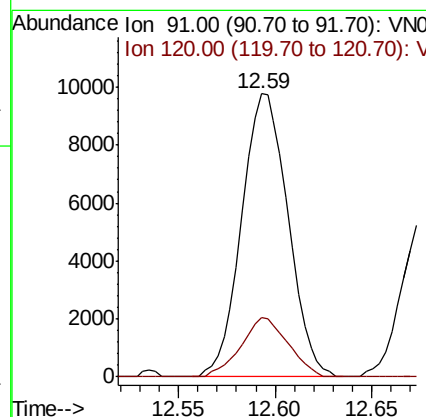
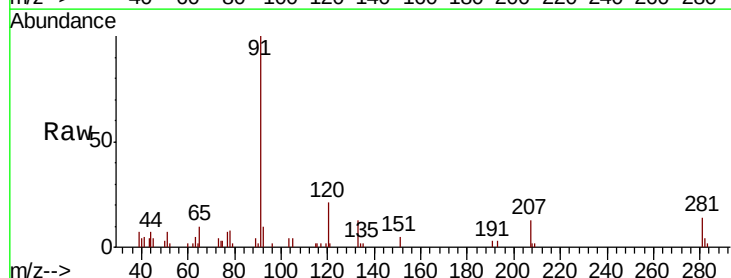
RT: 12.59 min Scan# 3365

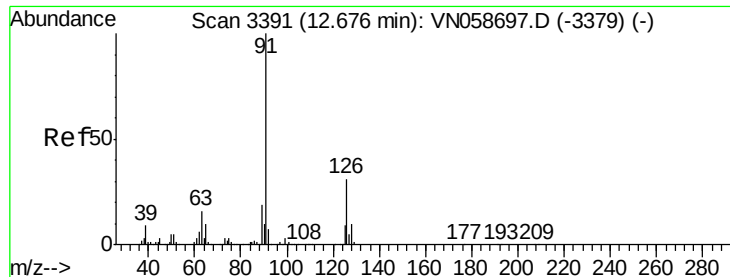
Delta R.T. -0.00 min

Lab File: VN058748.D

Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3





#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

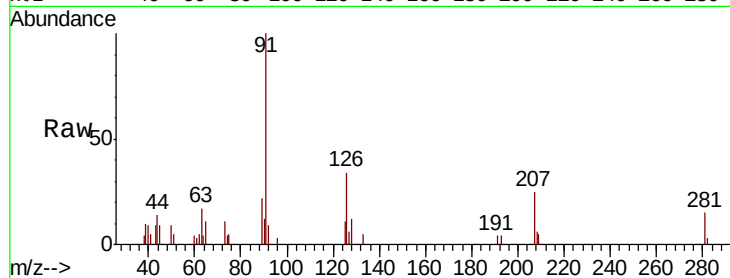
126 33.2 16.2 48.5

Manual Integrations

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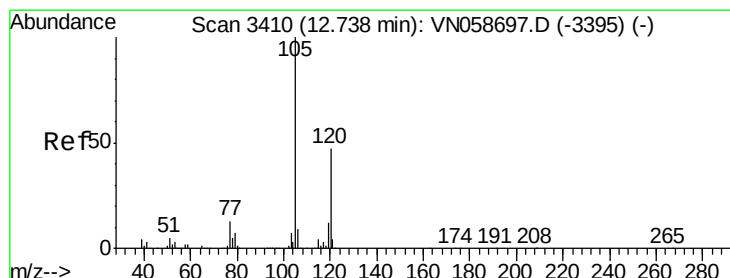
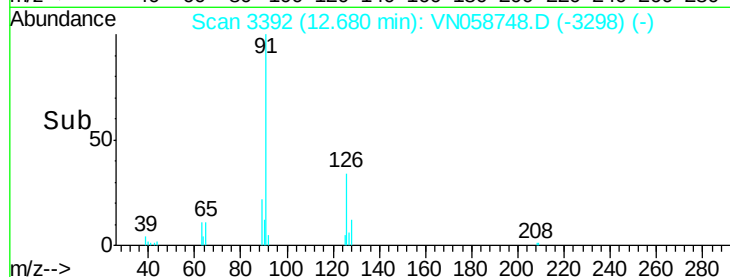
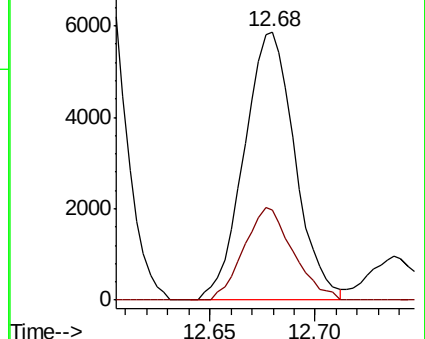
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Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3379) (-)

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

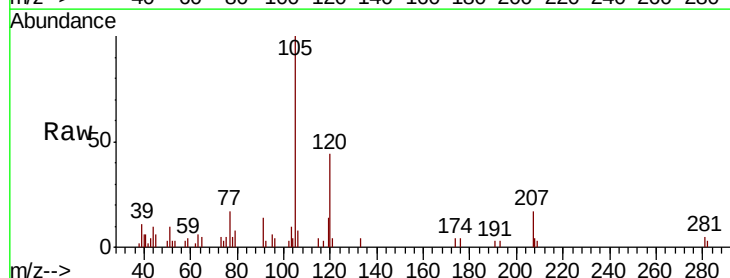
Acq: 14 Oct 2019 14:42

Tgt Ion: 105 Resp: 11950

Ion Ratio Lower Upper

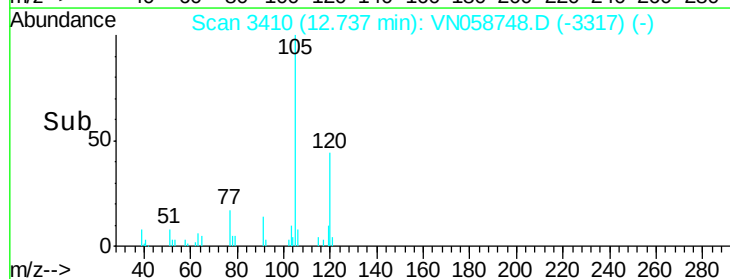
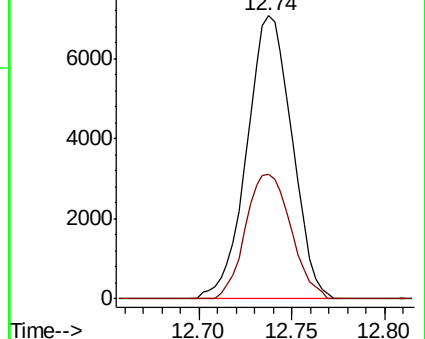
105 100

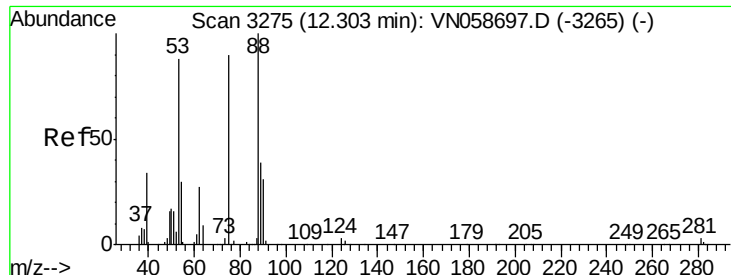
120 44.1 23.4 70.2



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

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





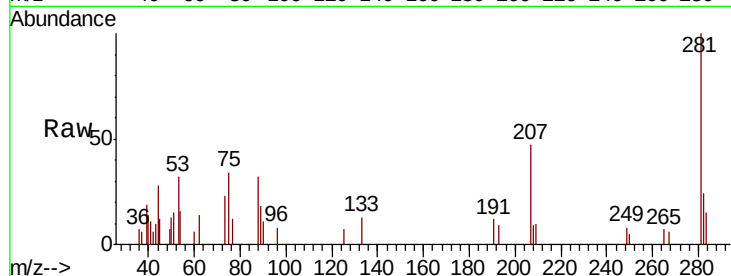
#81
trans-1,4-Dichloro-2-butene
Concen: 0.927 ug/l m
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

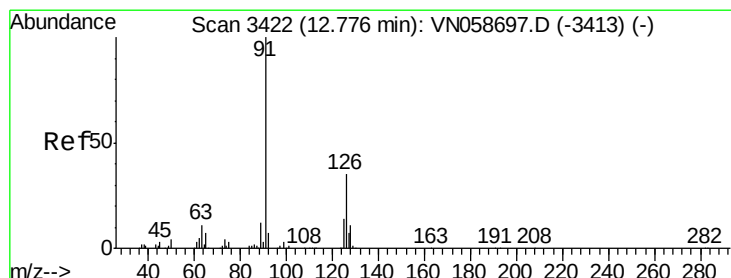
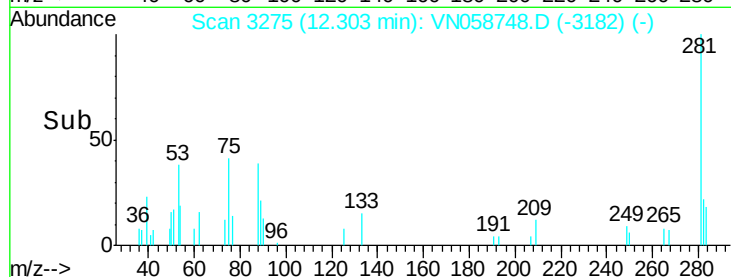
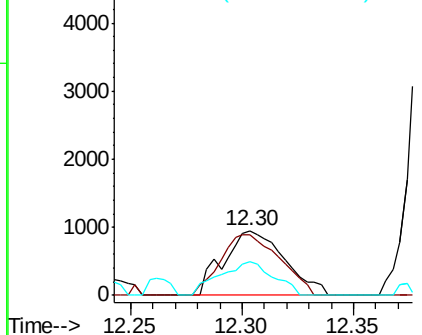
Tot Ion	Ratio	Lower	Upper
75	100		
53	7.2	78.4	117.6#
89	0.0	34.9	52.3#

Manual Integrations
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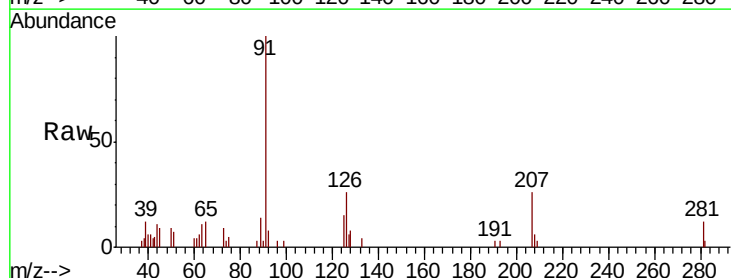


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

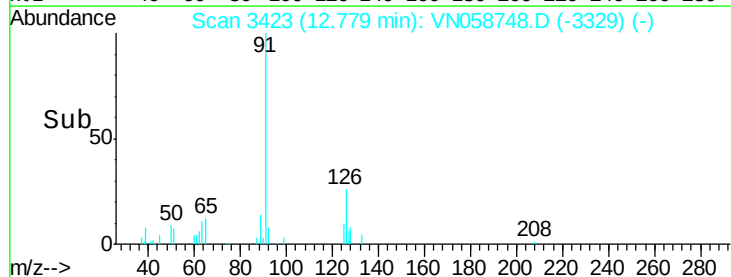
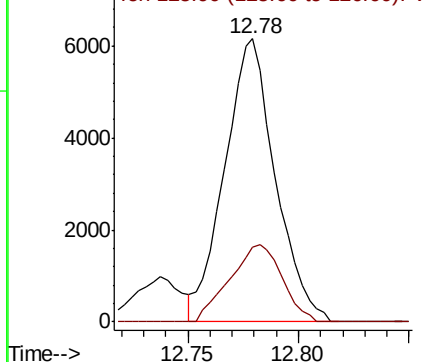


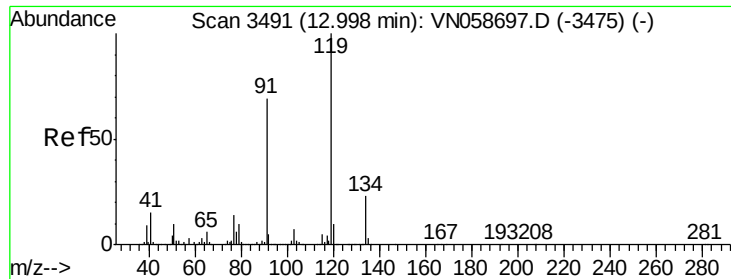
#82
4-Chlorotoluene
Concen: 0.766 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.2	15.9	47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





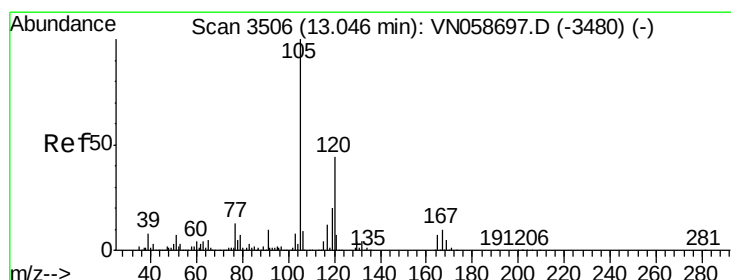
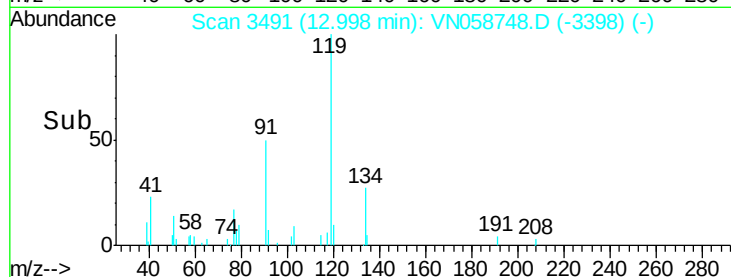
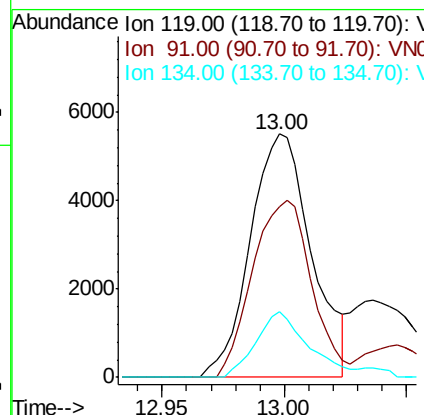
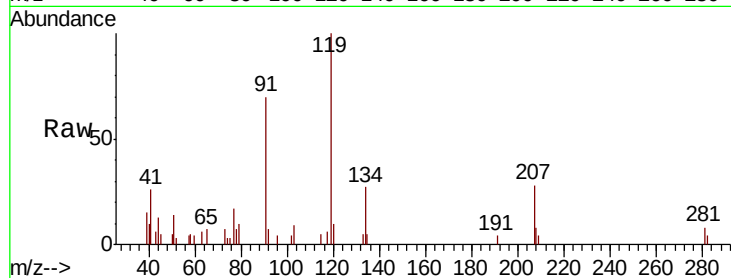
#83
 tert-Butylbenzene
 Concen: 0.759 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.3	33.8	101.3
134	23.2	12.6	37.6

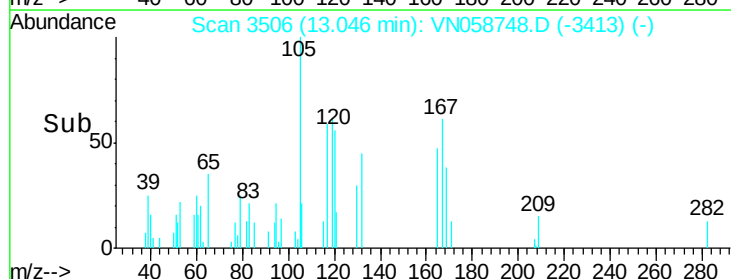
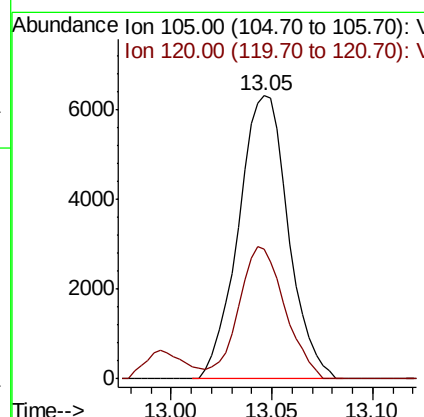
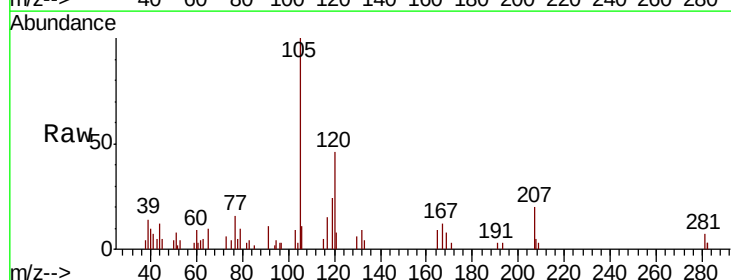
Manual Integrations
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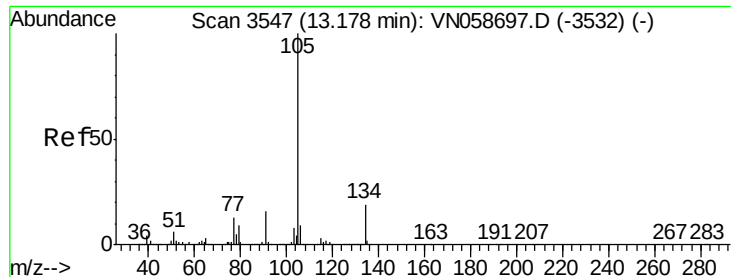
MMDadoda
 10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
105	100		
120	43.1	21.9	65.7





#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

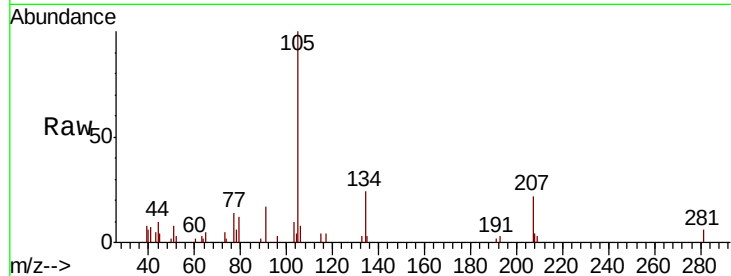
134 20.3 9.7 29.1

Manual Integrations

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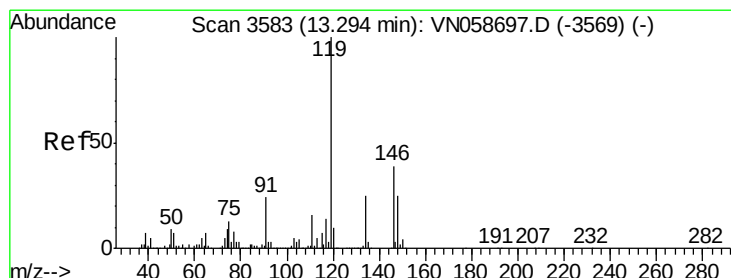
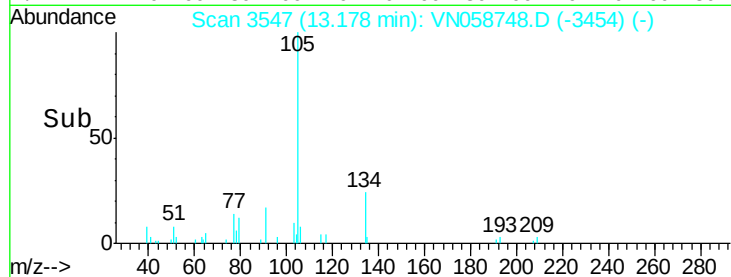
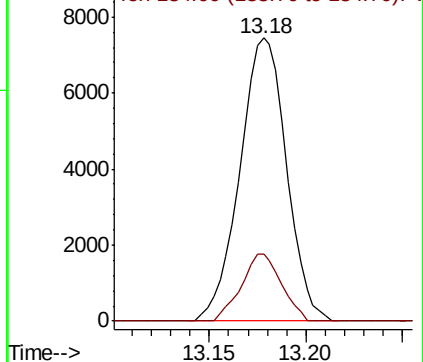
MMDadoda

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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

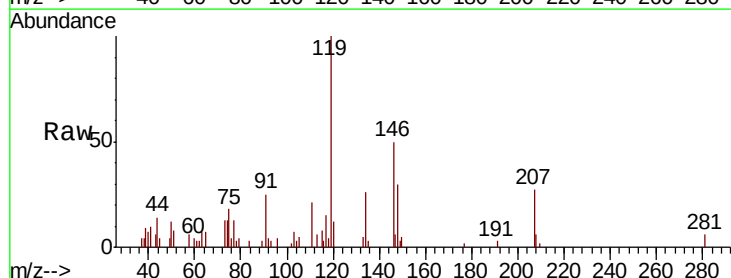
Tgt Ion:119 Resp: 10239

Ion Ratio Lower Upper

119 100

134 26.1 12.7 38.1

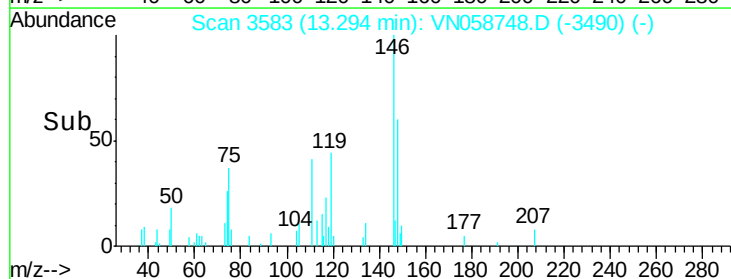
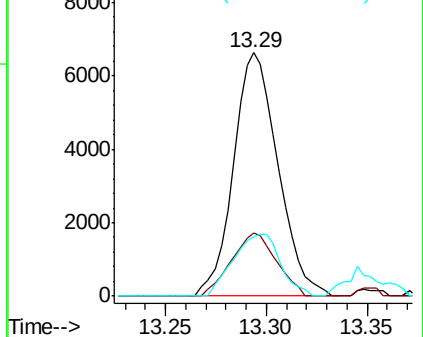
91 27.1 11.9 35.5

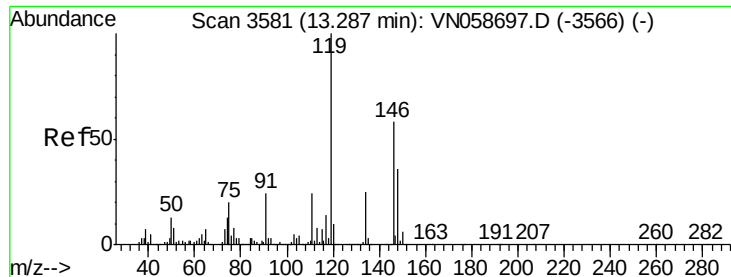


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





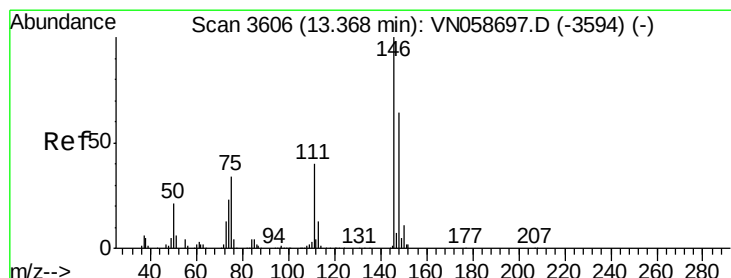
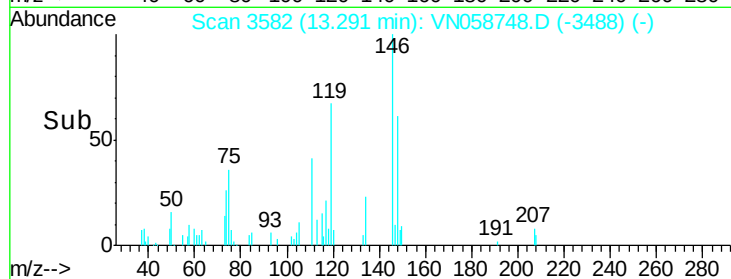
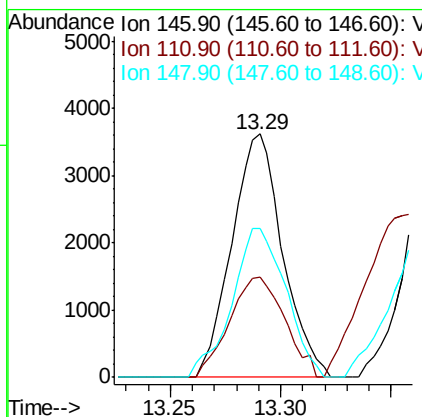
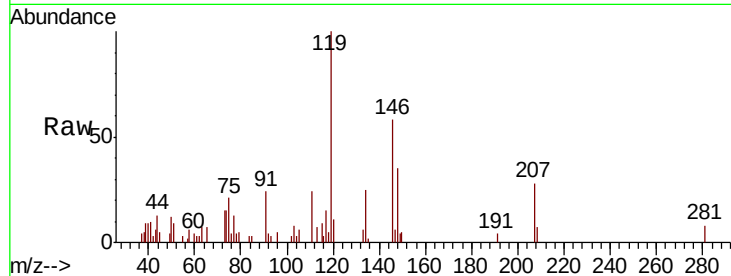
#87
 1,3-Dichlorobenzene
 Concen: 0.748 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

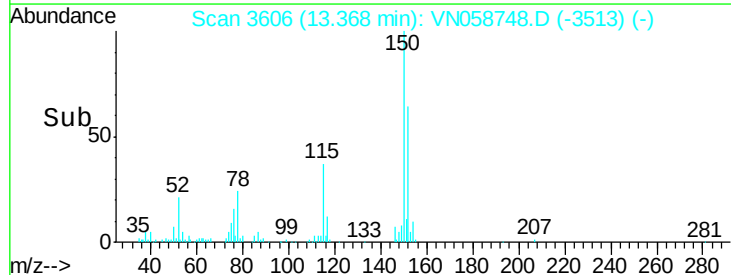
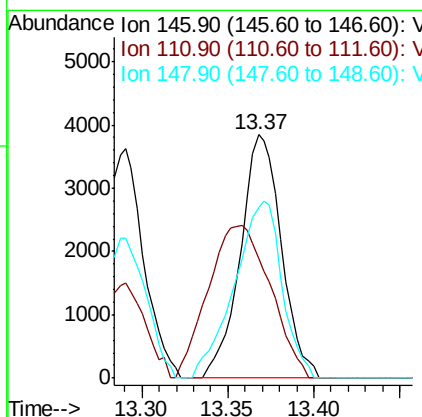
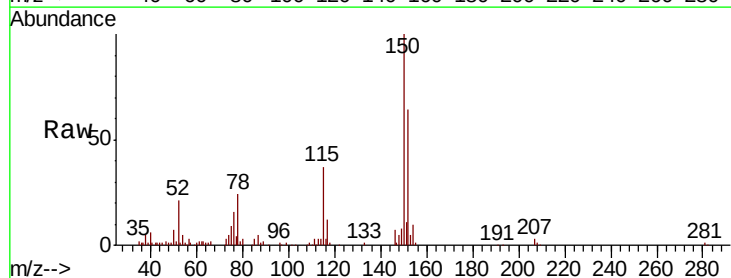
Manual Integrations
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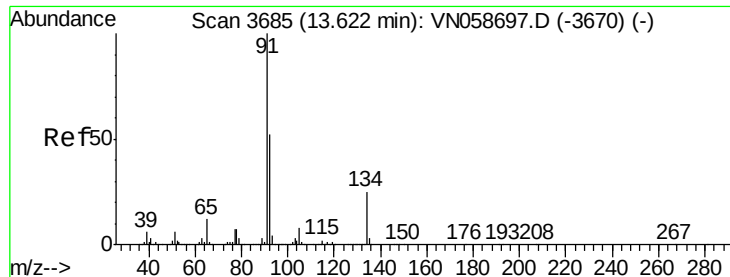
MMDadoda
 10/16/2019 12:56:52 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.806 ug/l m
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	59.1	31.9	95.7





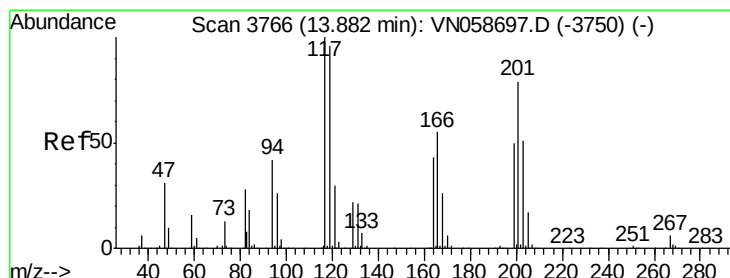
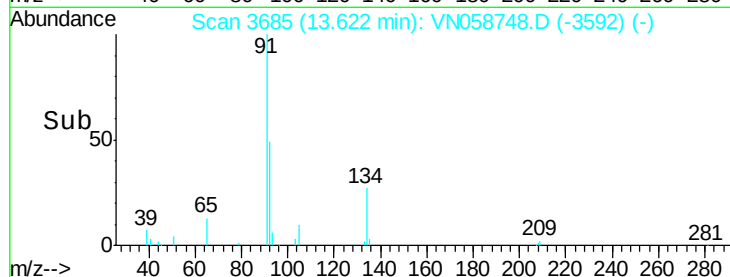
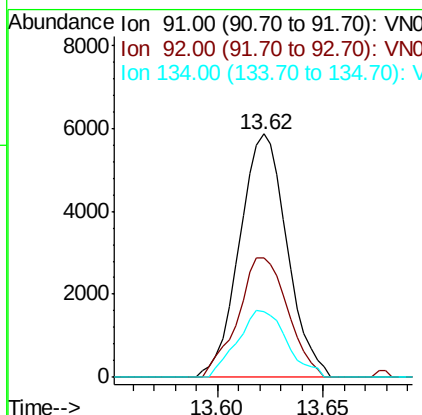
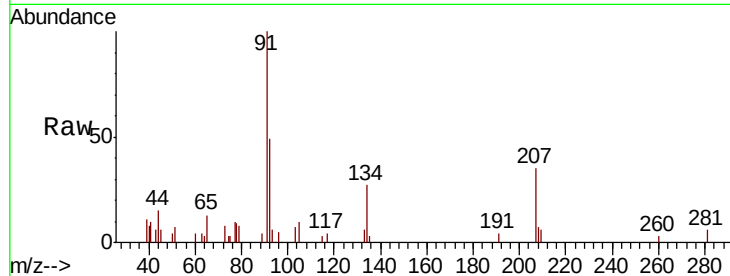
#89
n-Butylbenzene
Concen: 0.656 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058748.D
Acq: 14 Oct 2019 14:42

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

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

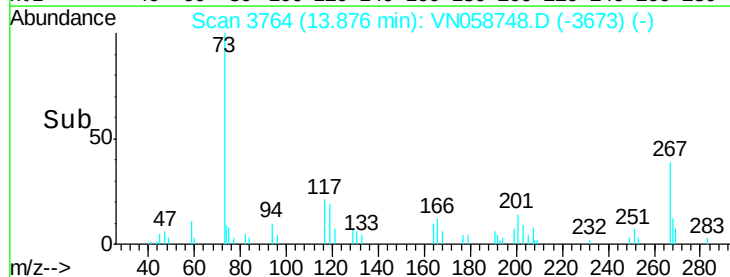
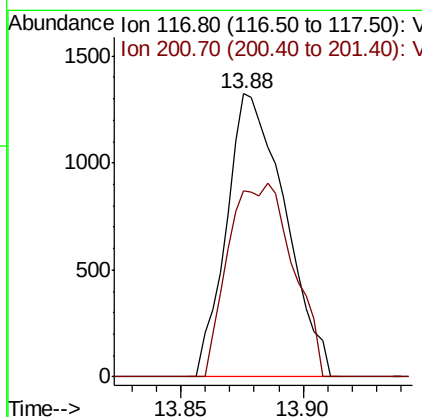
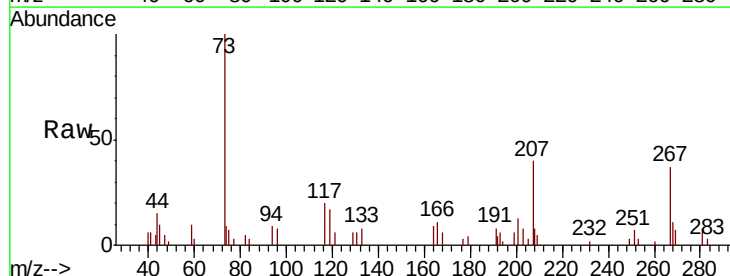
Manual Integrations
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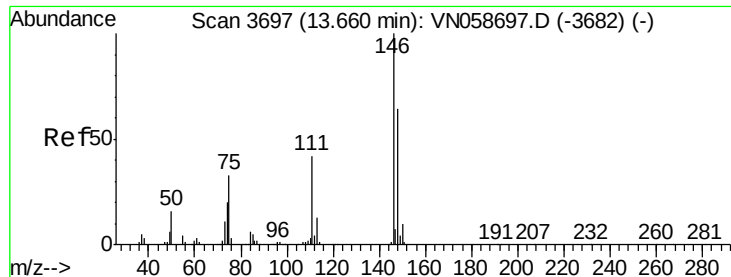
MMDadoda
10/16/2019 12:56:52 AM



#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	Ratio	Lower	Upper
117	100		
201	75.4	39.6	118.7





#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

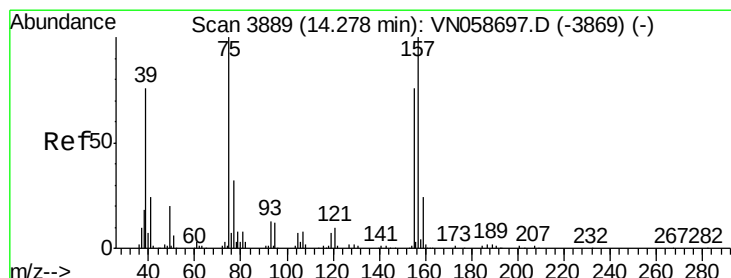
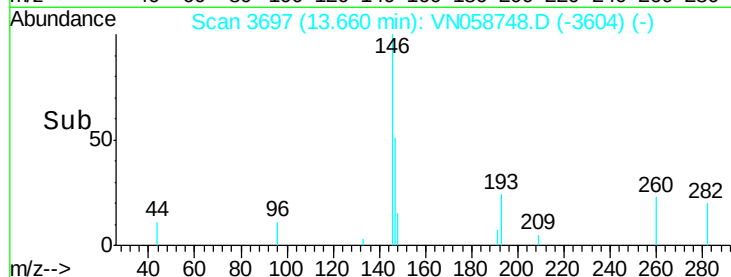
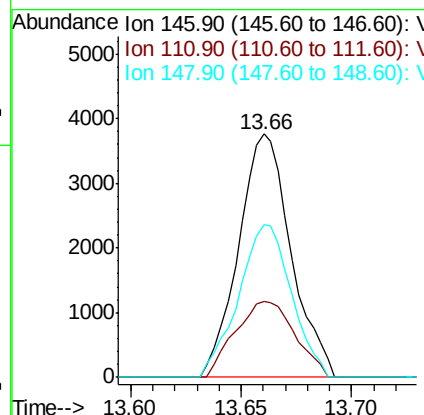
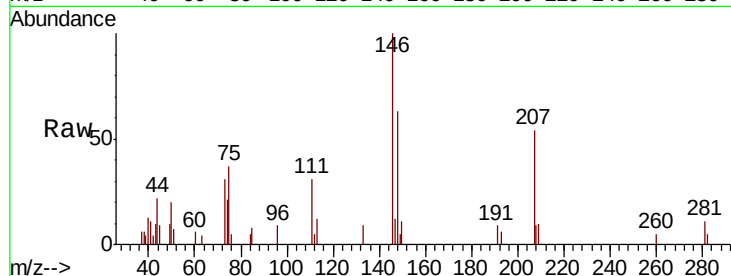
ClientSampleId :

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

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#92

1,2-Dibromo-3-Chloropropane

Concen: 0.912 ug/l

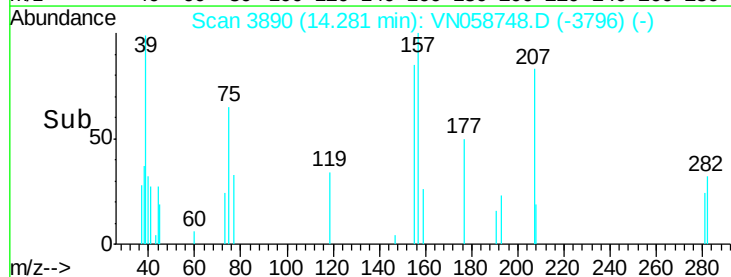
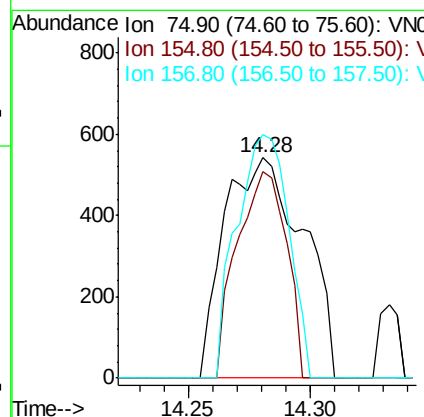
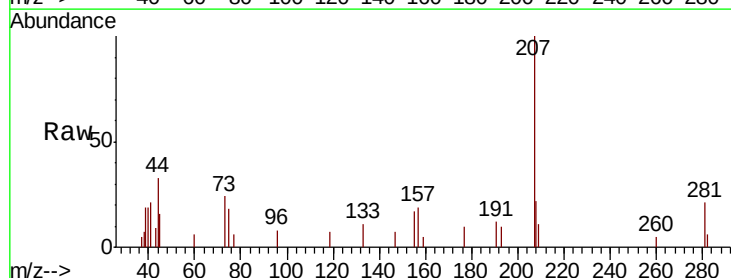
RT: 14.28 min Scan# 3890

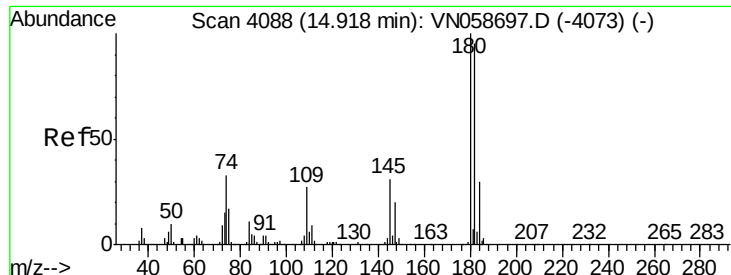
Delta R.T. 0.00 min

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





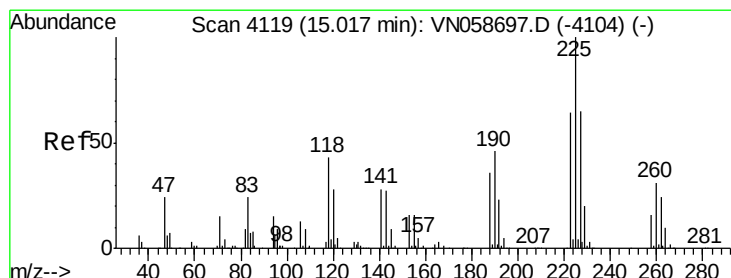
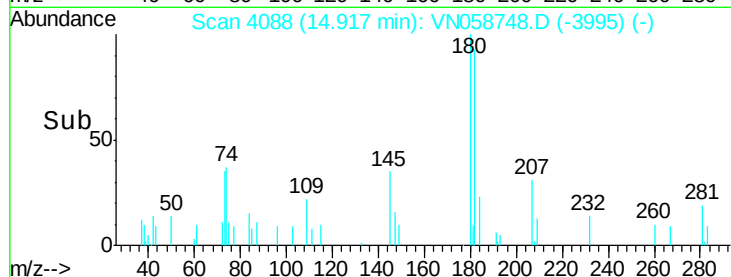
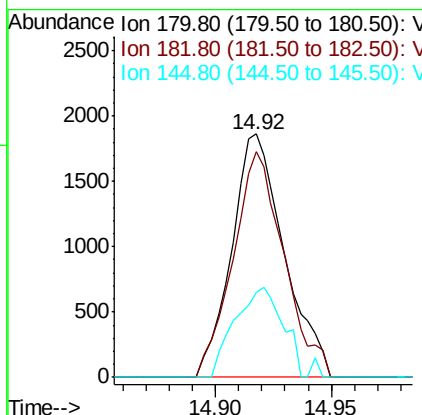
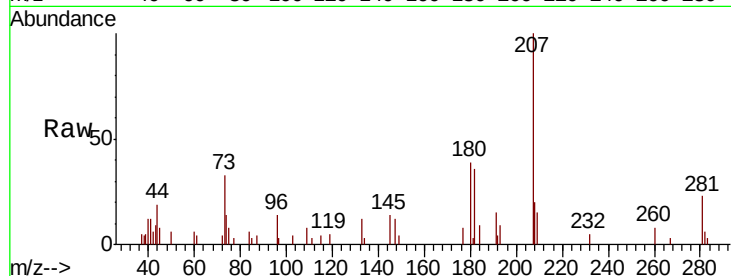
#93
 1,2,4-Trichlorobenzene
 Concen: 0.637 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058748.D
 Acq: 14 Oct 2019 14:42

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

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

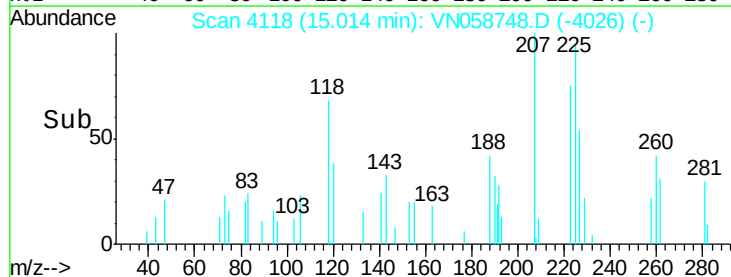
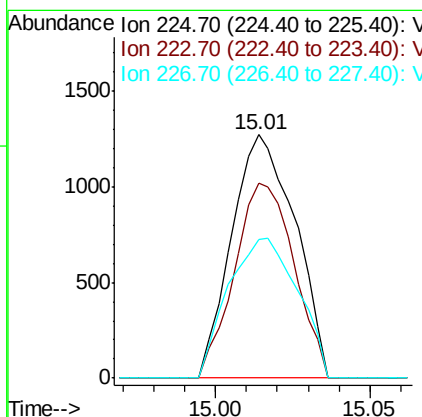
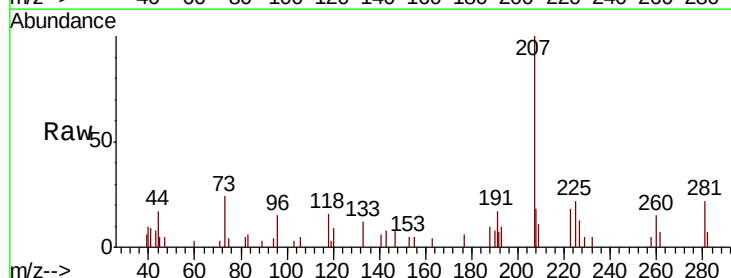
Manual Integrations
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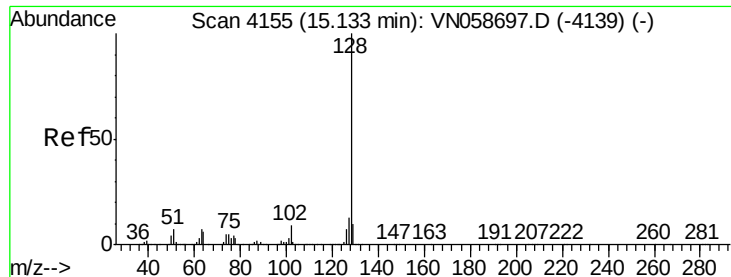
MMDadoda
 10/16/2019 12:56:52 AM



#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	Ratio	Resp	Lower	Upper
225	100	1808		
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

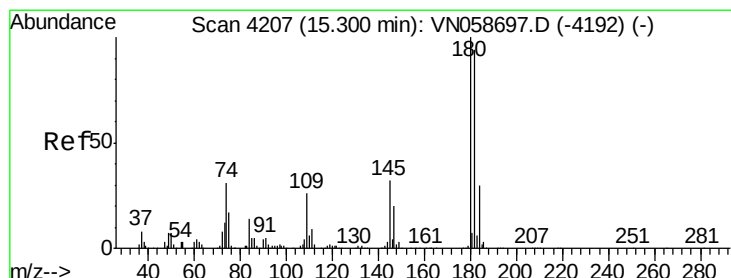
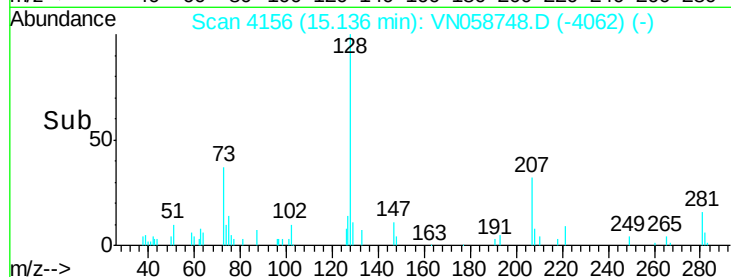
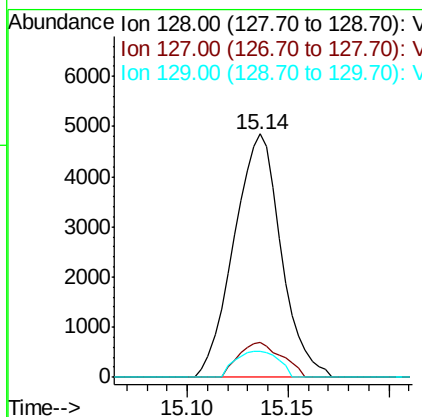
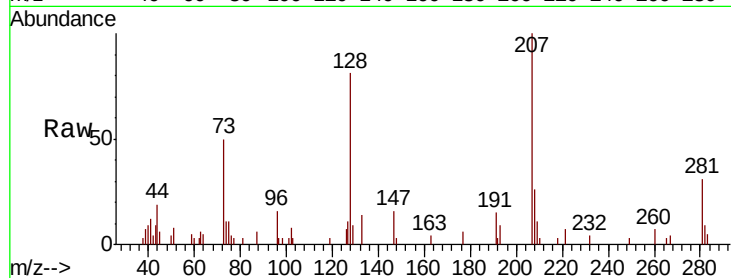
ClientSampleId :

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

Manual Integrations
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#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

