

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW013021\
 Data File : VW020219.D
 Acq On : 29 Jan 2021 10:59
 Operator : SY/MD
 Sample : L5214-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT1-2021-02

Manual Integrations
 APPROVED

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 2/1/2021 1:54:40 PM

Quant Time: Jan 30 02:27:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012921WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 30 02:26:26 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	452492	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.859	117	440736	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	230885	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.303	65	126079	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.563	69	110548	4.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.00%
11) 1,1-Dichloroethene-d2	2.103	63	155794	3.48	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.60%
20) 2-Butanone-d5	3.929	46	260783	39.70	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	79.40%
24) Chloroform-d	4.354	84	250590	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.80%
26) 1,2-Dichloroethane-d4	5.039	65	127655	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.20%
32) Benzene-d6	5.052	84	478521	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.074	67	147471	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	7.318	98	428737	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
43) trans-1,3-Dichloroprop...	7.627	79	49940	3.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.40%
46) 2-Hexanone-d5	8.097	63	197980	37.00	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	74.00%
56) 1,1,2,2-Tetrachloroeth...	10.222	84	97952	4.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.80%
66) 1,2-Dichlorobenzene-d4	11.630	152	170255	4.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	84.60%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.129	85	11242	0.25	ug/L	98
3) Chloromethane	1.238	50	11317	0.26	ug/L	99
5) Vinyl chloride	1.306	62	10602	0.25	ug/L #	82
6) Bromomethane	1.518	94	5939	0.25	ug/L	96
8) Chloroethane	1.582	64	6326	0.26	ug/L	99
9) Trichlorofluoromethane	1.750	101	11943	0.24	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.113	101	8762	0.34	ug/L #	93
12) 1,1-Dichloroethene	2.113	96	8138	0.32	ug/L #	1
13) Acetone	2.248	43	10756m	2.90	ug/L	
14) Carbon disulfide	2.290	76	24948	0.26	ug/L	97
15) Methyl Acetate	2.450	43	2470m	0.23	ug/L	
16) Methylene chloride	2.505	84	10364	0.31	ug/L	90
17) Methyl tert-butyl Ether	2.775	73	15323	0.22	ug/L	96
18) trans-1,2-Dichloroethene	2.759	96	7634	0.23	ug/L	94
19) 1,1-Dichloroethane	3.193	63	13204	0.22	ug/L	97
21) 2-Butanone	4.023	43	15992m	2.25	ug/L	
22) cis-1,2-Dichloroethene	3.917	96	7638	0.22	ug/L	89
23) Bromochloromethane	4.257	128	3608	0.24	ug/L	75
25) Chloroform	4.380	83	17184	0.28	ug/L	98

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 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 30 02:26:26 2021
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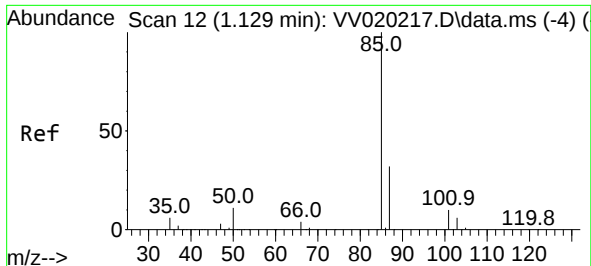
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.151	62	6998	0.19	ug/L #	95
29) 1,1,1-Trichloroethane	4.614	97	12405	0.23	ug/L	97
30) Cyclohexane	4.679	56	11888	0.23	ug/L	91
31) Carbon tetrachloride	4.833	117	10945	0.23	ug/L	96
33) Benzene	5.109	78	30768	0.24	ug/L	100
34) Trichloroethene	5.920	95	8522	0.24	ug/L	93
35) Methylcyclohexane	6.132	83	12238	0.23	ug/L	98
37) 1,2-Dichloropropane	6.180	63	7891	0.25	ug/L #	93
38) Bromodichloromethane	6.518	83	8739	0.21	ug/L #	91
39) cis-1,3-Dichloropropene	7.035	75	8894	0.20	ug/L	95
40) 4-Methyl-2-pentanone	7.241	43	30999	1.77	ug/L #	87
42) Toluene	7.396	91	31887	0.23	ug/L	97
44) trans-1,3-Dichloropropene	7.659	75	9957	0.27	ug/L #	82
45) 1,1,2-Trichloroethane	7.849	97	4993	0.23	ug/L	94
47) Tetrachloroethene	7.981	164	7557	0.25	ug/L	93
48) 2-Hexanone	8.154	43	27640	2.27	ug/L	95
49) Dibromochloromethane	8.251	129	5676	0.22	ug/L	95
50) 1,2-Dibromoethane	8.363	107	4664	0.22	ug/L #	85
51) Chlorobenzene	8.887	112	21106	0.23	ug/L	92
52) Ethylbenzene	9.019	91	34076	0.22	ug/L	97
53) m,p-xylene	9.145	106	12006	0.21	ug/L	89
54) o-xylene	9.553	106	11135	0.20	ug/L	94
55) Styrene	9.572	104	17356	0.18	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.248	83	6518	0.28	ug/L #	94
59) Bromoform	9.743	173	3310	0.25	ug/L #	94
60) Isopropylbenzene	9.939	105	31429	0.23	ug/L	100
61) 1,2,3-Trichloropropane	10.280	75	4023	0.25	ug/L #	94
62) 1,3,5-Trimethylbenzene	10.543	105	24813	0.22	ug/L	96
63) 1,2,4-Trimethylbenzene	10.923	105	23387	0.20	ug/L	96
64) 1,3-Dichlorobenzene	11.193	146	16983	0.24	ug/L	94
65) 1,4-Dichlorobenzene	11.280	146	18531	0.25	ug/L	91
67) 1,2-Dichlorobenzene	11.649	146	16010	0.25	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.447	75	797	0.21	ug/L	90
69) 1,3,5-Trichlorobenzene	12.656	180	14012	0.23	ug/L	95
70) 1,2,4-trichlorobenzene	13.273	180	10680	0.21	ug/L	91
71) Naphthalene	13.514	128	12186	0.18	ug/L #	94
72) 1,2,3-Trichlorobenzene	13.755	180	9483	0.21	ug/L	95

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

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The chromatogram displays a series of peaks over a 17-minute period. The y-axis represents Abundance, ranging from 0 to 1,000,000. The x-axis represents Time in minutes, ranging from 0 to 17.00. Numerous peaks are labeled with chemical names and their corresponding retention times. The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
1,1,1-Trichloroethane, T	1.0
1,1,2-Trichloroethane, T	1.2
1,1,2,2-Tetrachloroethane, T	1.4
1,1,2,2-Tetrachloroethane, T	1.6
1,1,2,2-Tetrachloroethane, T	1.8
1,1,2,2-Tetrachloroethane, T	2.0
1,1,2,2-Tetrachloroethane, T	2.2
1,1,2,2-Tetrachloroethane, T	2.4
1,1,2,2-Tetrachloroethane, T	2.6
1,1,2,2-Tetrachloroethane, T	2.8
1,1,2,2-Tetrachloroethane, T	3.0
1,1,2,2-Tetrachloroethane, T	3.2
1,1,2,2-Tetrachloroethane, T	3.4
1,1,2,2-Tetrachloroethane, T	3.6
1,1,2,2-Tetrachloroethane, T	3.8
1,1,2,2-Tetrachloroethane, T	4.0
1,1,2,2-Tetrachloroethane, T	4.2
1,1,2,2-Tetrachloroethane, T	4.4
1,1,2,2-Tetrachloroethane, T	4.6
1,1,2,2-Tetrachloroethane, T	4.8
1,1,2,2-Tetrachloroethane, T	5.0
1,1,2,2-Tetrachloroethane, T	5.2
1,1,2,2-Tetrachloroethane, T	5.4
1,1,2,2-Tetrachloroethane, T	5.6
1,1,2,2-Tetrachloroethane, T	5.8
1,1,2,2-Tetrachloroethane, T	6.0
1,1,2,2-Tetrachloroethane, T	6.2
1,1,2,2-Tetrachloroethane, T	6.4
1,1,2,2-Tetrachloroethane, T	6.6
1,1,2,2-Tetrachloroethane, T	6.8
1,1,2,2-Tetrachloroethane, T	7.0
1,1,2,2-Tetrachloroethane, T	7.2
1,1,2,2-Tetrachloroethane, T	7.4
1,1,2,2-Tetrachloroethane, T	7.6
1,1,2,2-Tetrachloroethane, T	7.8
1,1,2,2-Tetrachloroethane, T	8.0
1,1,2,2-Tetrachloroethane, T	8.2
1,1,2,2-Tetrachloroethane, T	8.4
1,1,2,2-Tetrachloroethane, T	8.6
1,1,2,2-Tetrachloroethane, T	8.8
1,1,2,2-Tetrachloroethane, T	9.0
1,1,2,2-Tetrachloroethane, T	9.2
1,1,2,2-Tetrachloroethane, T	9.4
1,1,2,2-Tetrachloroethane, T	9.6
1,1,2,2-Tetrachloroethane, T	9.8
1,1,2,2-Tetrachloroethane, T	10.0
1,1,2,2-Tetrachloroethane, T	10.2
1,1,2,2-Tetrachloroethane, T	10.4
1,1,2,2-Tetrachloroethane, T	10.6
1,1,2,2-Tetrachloroethane, T	10.8
1,1,2,2-Tetrachloroethane, T	11.0
1,1,2,2-Tetrachloroethane, T	11.2
1,1,2,2-Tetrachloroethane, T	11.4
1,1,2,2-Tetrachloroethane, T	11.6
1,1,2,2-Tetrachloroethane, T	11.8
1,1,2,2-Tetrachloroethane, T	12.0
1,1,2,2-Tetrachloroethane, T	12.2
1,1,2,2-Tetrachloroethane, T	12.4
1,1,2,2-Tetrachloroethane, T	12.6
1,1,2,2-Tetrachloroethane, T	12.8
1,1,2,2-Tetrachloroethane, T	13.0
1,1,2,2-Tetrachloroethane, T	13.2
1,1,2,2-Tetrachloroethane, T	13.4
1,1,2,2-Tetrachloroethane, T	13.6
1,1,2,2-Tetrachloroethane, T	13.8
1,1,2,2-Tetrachloroethane, T	14.0
1,1,2,2-Tetrachloroethane, T	14.2
1,1,2,2-Tetrachloroethane, T	14.4
1,1,2,2-Tetrachloroethane, T	14.6
1,1,2,2-Tetrachloroethane, T	14.8
1,1,2,2-Tetrachloroethane, T	15.0
1,1,2,2-Tetrachloroethane, T	15.2
1,1,2,2-Tetrachloroethane, T	15.4
1,1,2,2-Tetrachloroethane, T	15.6
1,1,2,2-Tetrachloroethane, T	15.8
1,1,2,2-Tetrachloroethane, T	16.0
1,1,2,2-Tetrachloroethane, T	16.2
1,1,2,2-Tetrachloroethane, T	16.4
1,1,2,2-Tetrachloroethane, T	16.6
1,1,2,2-Tetrachloroethane, T	16.8
1,1,2,2-Tetrachloroethane, T	17.0



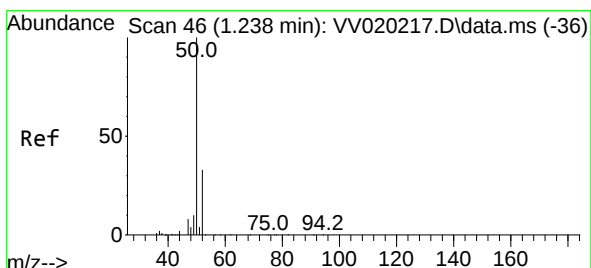
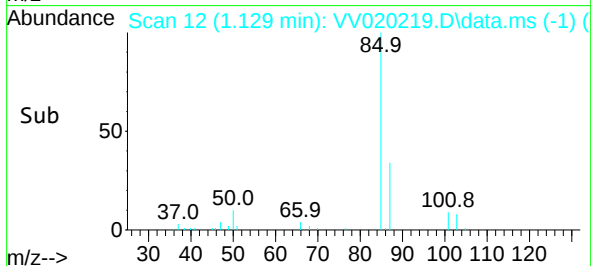
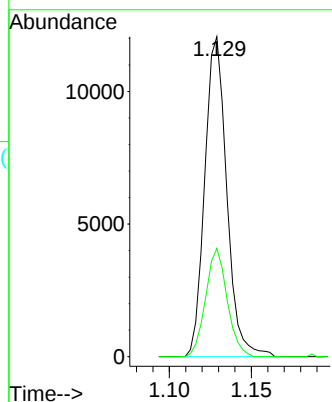
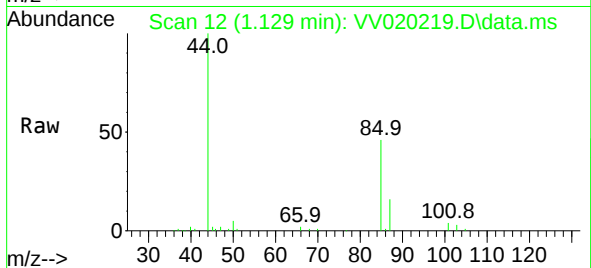
#2
Dichlorodifluoromethane
Concen: 0.25 ug/L
RT: 1.129 min Scan# 12
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 85 Resp: 11242
Ion Ratio Lower Upper
85 100
87 33.1 25.6 38.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

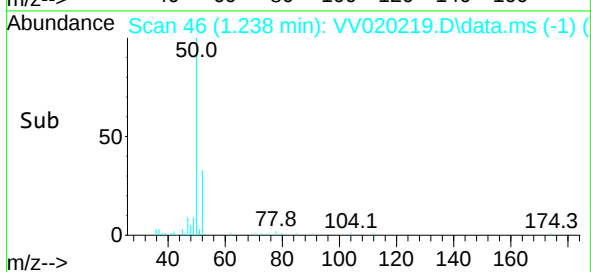
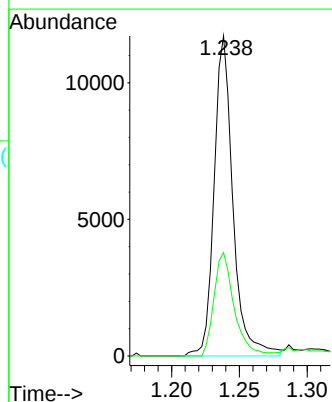
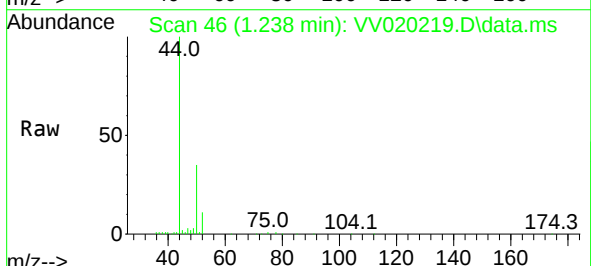
Manual Integrations
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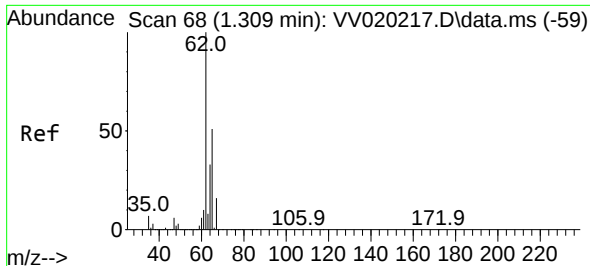
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#3
Chloromethane
Concen: 0.26 ug/L
RT: 1.238 min Scan# 46
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 50 Resp: 11317
Ion Ratio Lower Upper
50 100
52 32.3 23.1 42.9





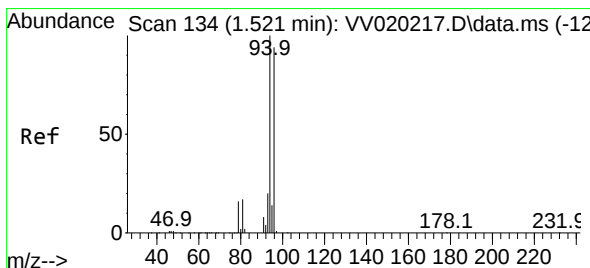
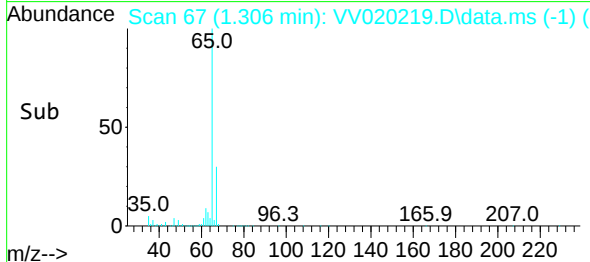
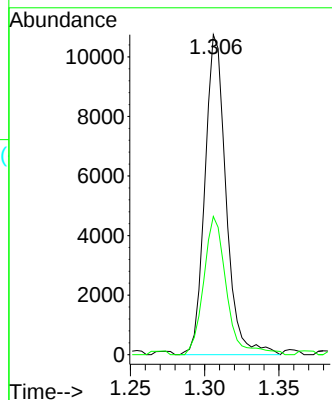
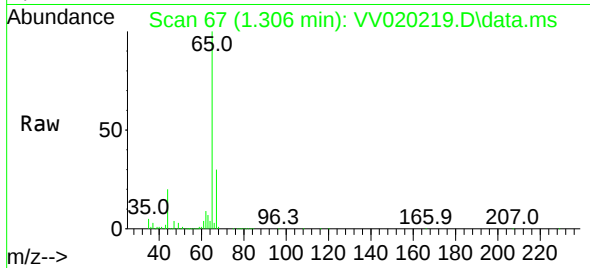
#5
 Vinyl chloride
 Concen: 0.25 ug/L
 RT: 1.306 min Scan# 67
 Delta R.T. -0.003 min
 Lab File: VV020219.D
 Acq: 29 Jan 2021 10:59

Tgt Ion: 62 Resp: 10602
 Ion Ratio Lower Upper
 62 100
 64 43.2 23.2 43.2#

Instrument :
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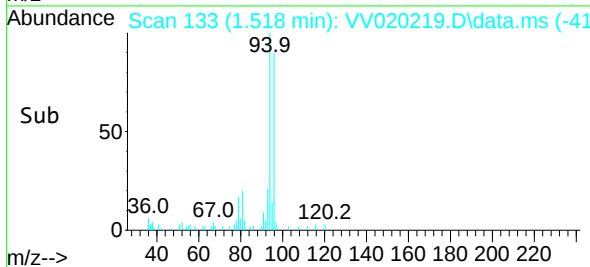
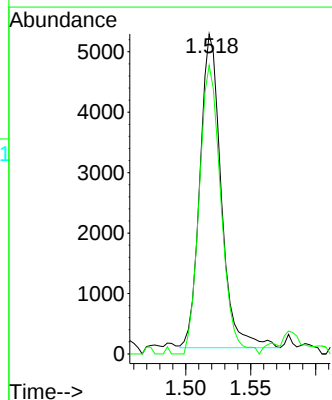
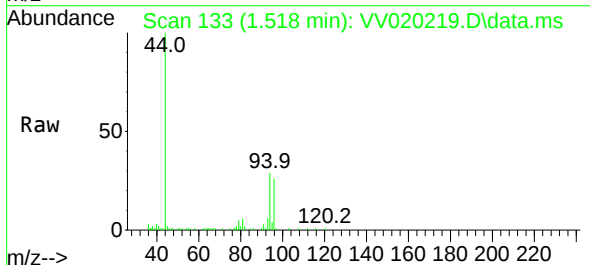
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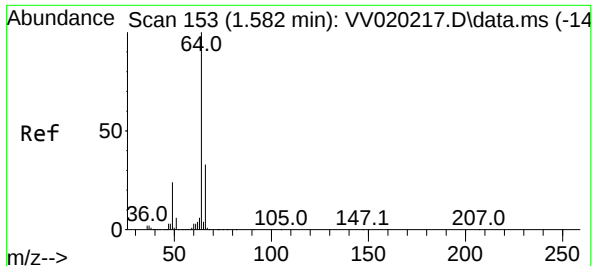
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#6
 Bromomethane
 Concen: 0.25 ug/L
 RT: 1.518 min Scan# 133
 Delta R.T. -0.003 min
 Lab File: VV020219.D
 Acq: 29 Jan 2021 10:59

Tgt Ion: 94 Resp: 5939
 Ion Ratio Lower Upper
 94 100
 96 90.3 65.6 121.8





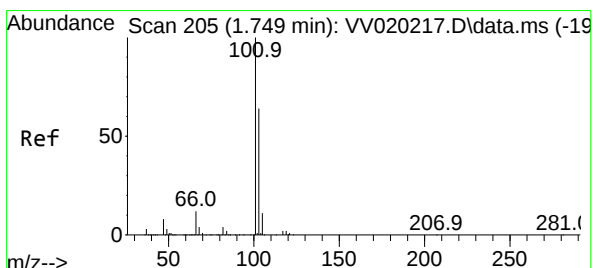
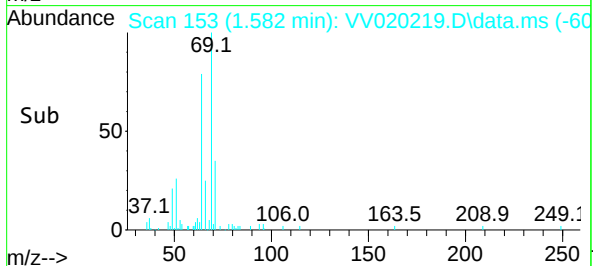
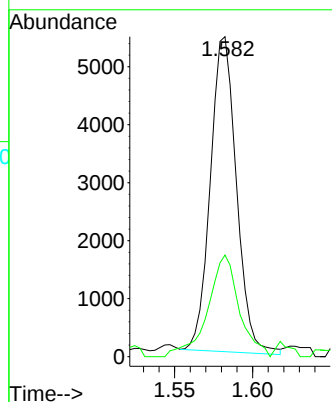
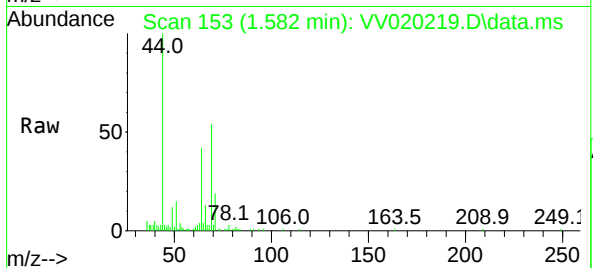
#8
Chloroethane
Concen: 0.26 ug/L
RT: 1.582 min Scan# 153
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 64 Resp: 6326
Ion Ratio Lower Upper
64 100
66 31.8 22.0 40.8

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MDL-WATER-QT1-2021-02

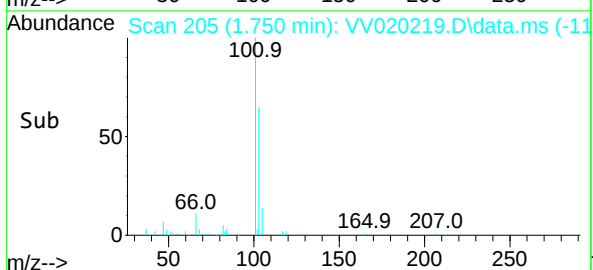
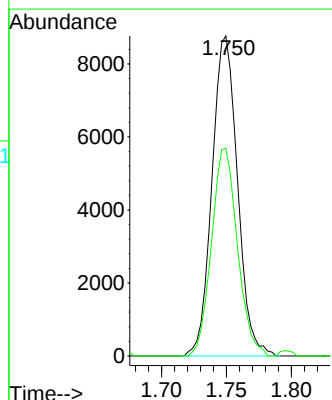
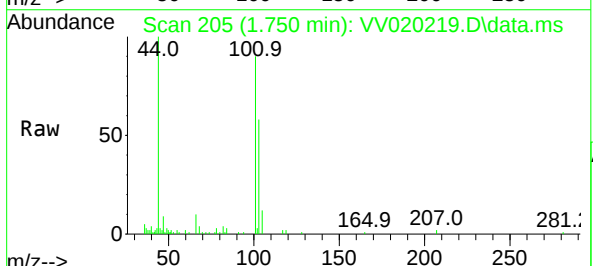
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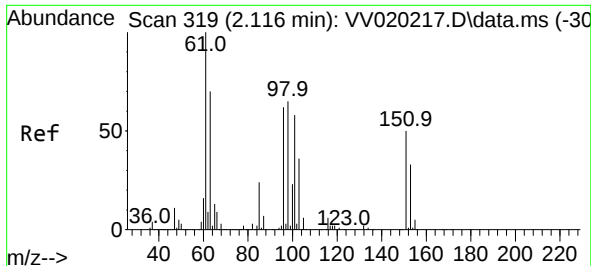
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#9
Trichlorofluoromethane
Concen: 0.24 ug/L
RT: 1.750 min Scan# 205
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 101 Resp: 11943
Ion Ratio Lower Upper
101 100
103 65.9 51.8 77.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.34 ug/L

RT: 2.113 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV020219.D

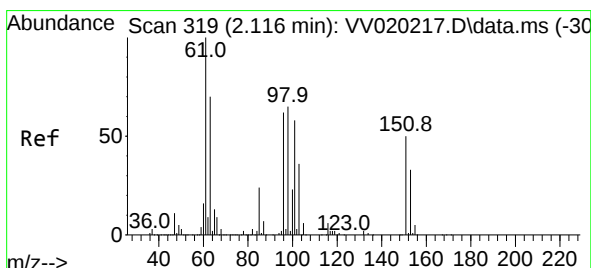
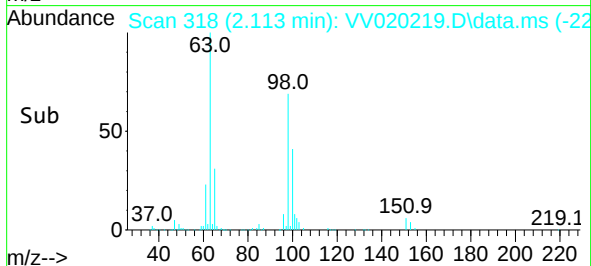
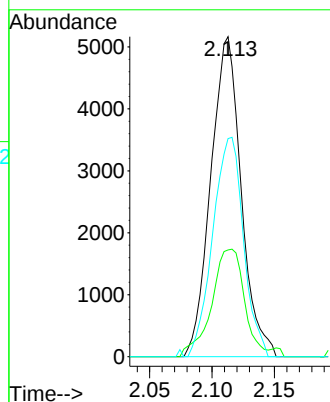
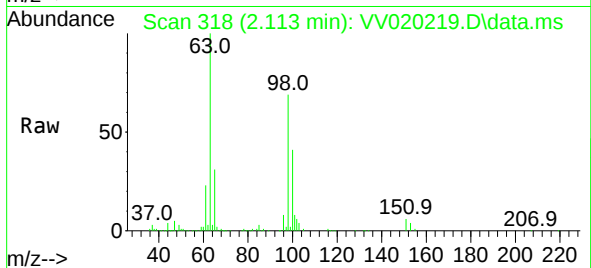
Acq: 29 Jan 2021 10:59

Tgt Ion:	101	Resp:	8762
Ion Ratio	Lower	Upper	
101	100		
85	36.3	36.4	54.6#
151	69.3	54.1	81.1

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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#12

1,1-Dichloroethene

Concen: 0.32 ug/L

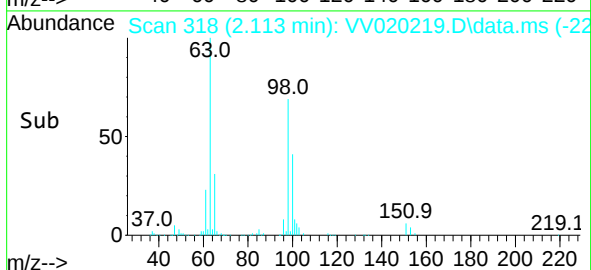
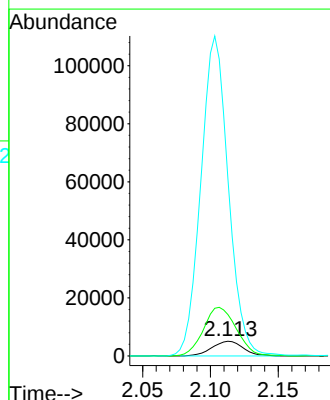
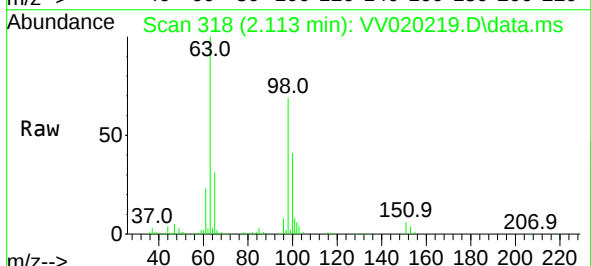
RT: 2.113 min Scan# 318

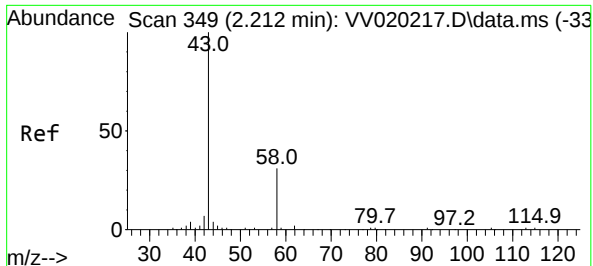
Delta R.T. -0.003 min

Lab File: VV020219.D

Acq: 29 Jan 2021 10:59

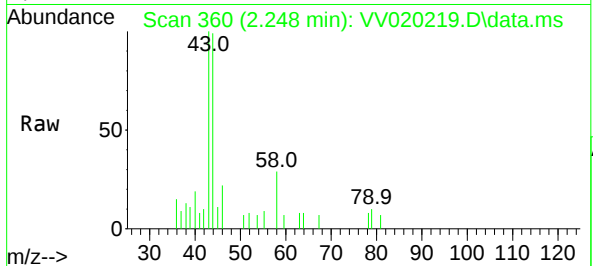
Tgt Ion:	96	Resp:	8138
Ion Ratio	Lower	Upper	
96	100		
61	280.0	131.5	244.1#
63	1202.3	95.2	176.8#





#13
Acetone
Concen: 2.90 ug/L m
RT: 2.248 min Scan# 360
Delta R.T. 0.035 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

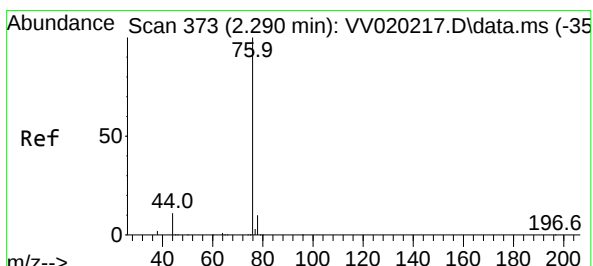
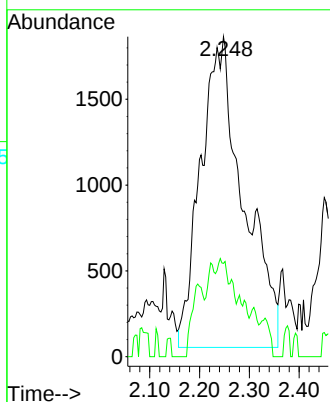
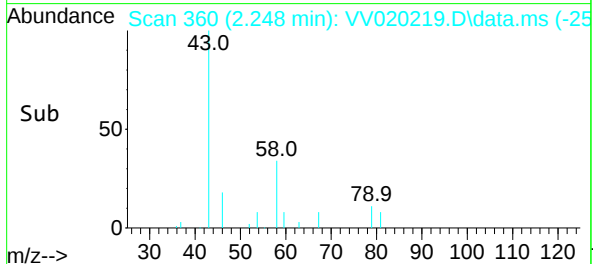
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02



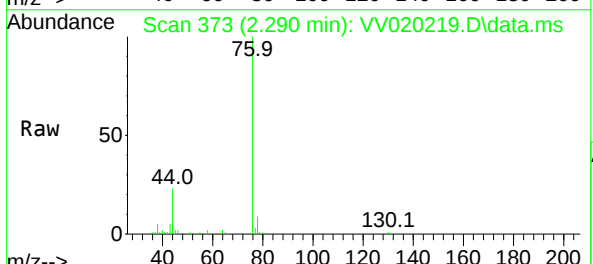
Tgt Ion: 43 Resp: 10756
Ion Ratio Lower Upper
43 100
58 0.7 0.0 31.4

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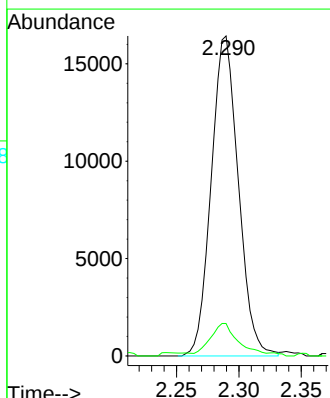
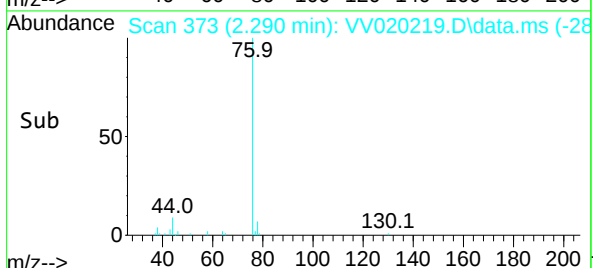
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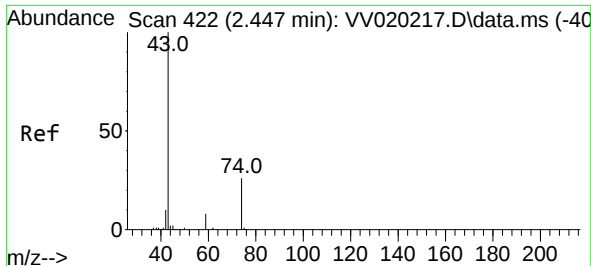


#14
Carbon disulfide
Concen: 0.26 ug/L
RT: 2.290 min Scan# 373
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

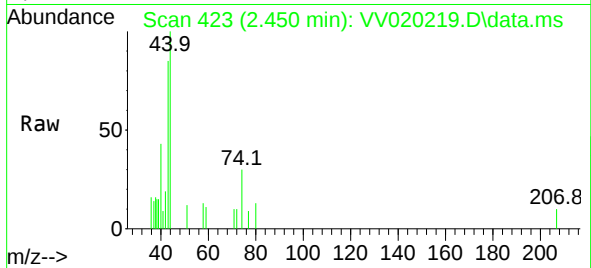


Tgt Ion: 76 Resp: 24948
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8

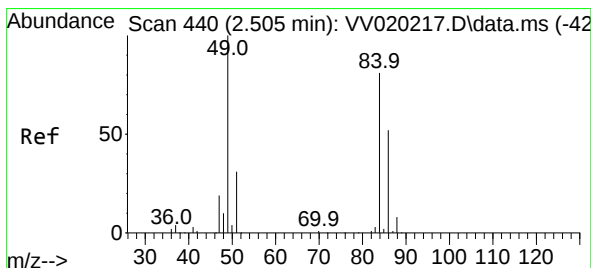
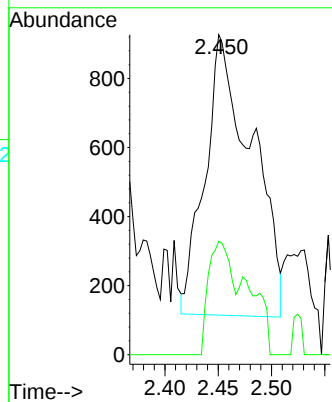
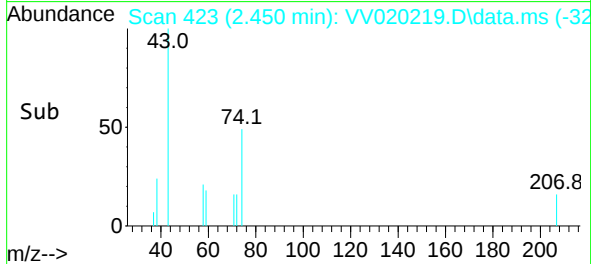




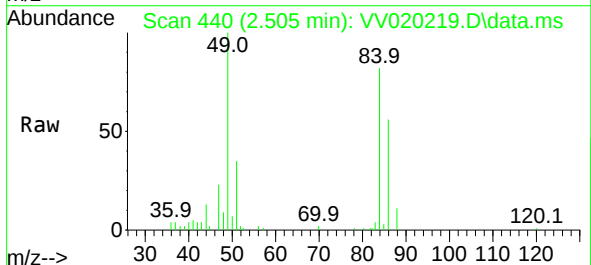
#15
Methyl Acetate
Concen: 0.23 ug/L m
RT: 2.450 min Scan# 423
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



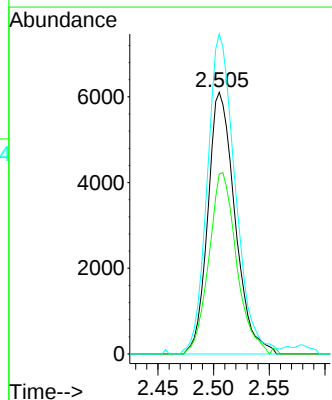
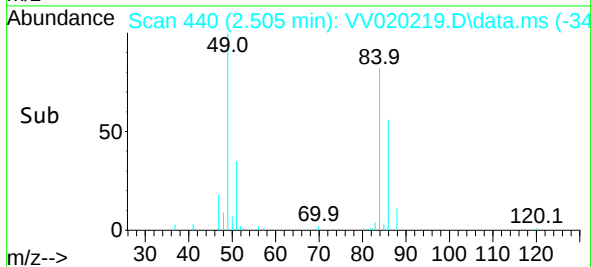
Tgt Ion: 43 Resp: 2470
Ion Ratio Lower Upper
43 100
74 20.1 10.6 16.0#



#16
Methylene chloride
Concen: 0.31 ug/L
RT: 2.505 min Scan# 440
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



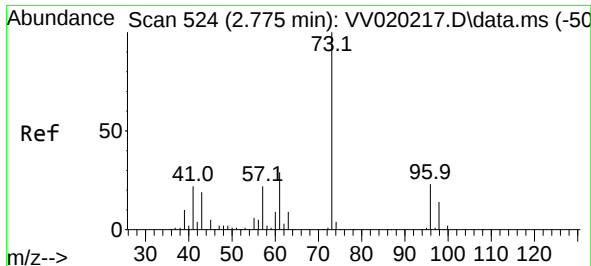
Tgt Ion: 84 Resp: 10364
Ion Ratio Lower Upper
84 100
86 68.8 42.8 79.4
49 122.3 93.9 174.3



Instrument :
MSVOA_V
ClientSampleId :
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#17

Methyl tert-butyl Ether

Concen: 0.22 ug/L

RT: 2.775 min Scan# 524

Delta R.T. 0.000 min

Lab File: VV020219.D

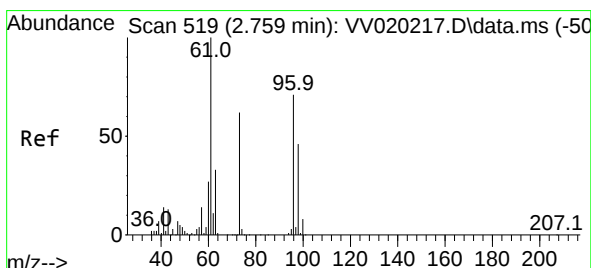
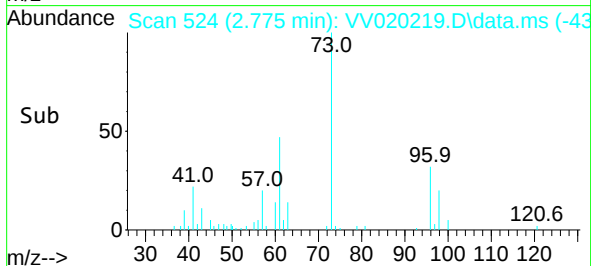
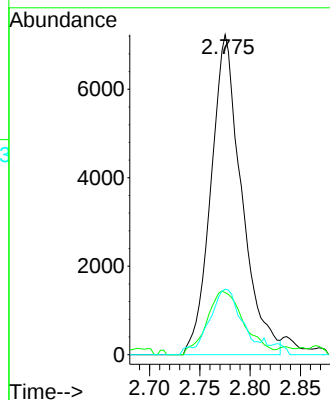
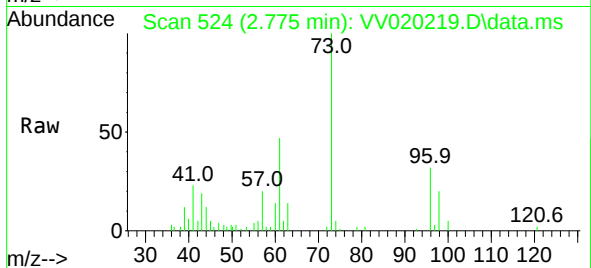
Acq: 29 Jan 2021 10:59

Tgt Ion: 73	Resp: 15323
Ion Ratio	Lower Upper
73 100	
43 24.0	17.0 25.6
57 21.8	18.2 27.4

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

Manual Integrations
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#18

trans-1,2-Dichloroethene

Concen: 0.23 ug/L

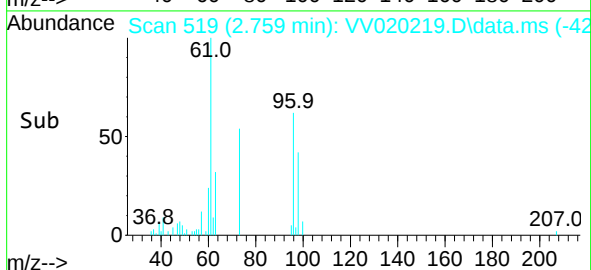
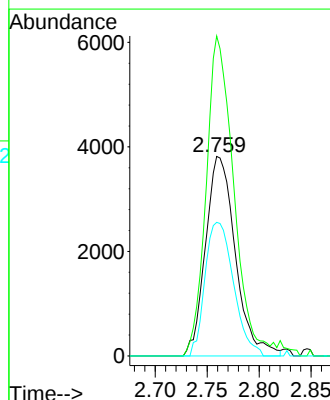
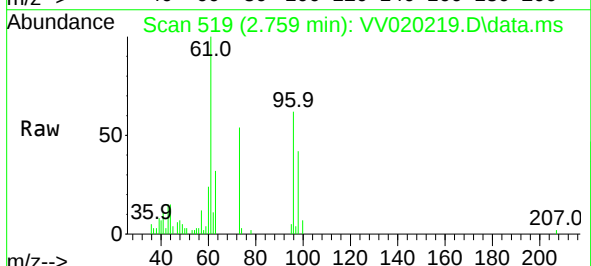
RT: 2.759 min Scan# 519

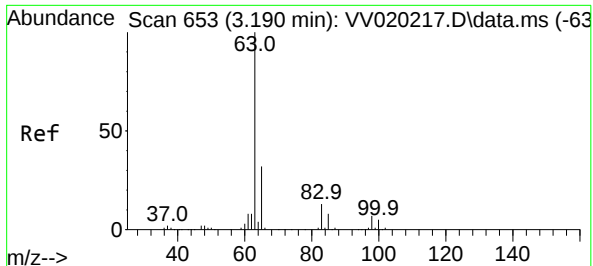
Delta R.T. 0.000 min

Lab File: VV020219.D

Acq: 29 Jan 2021 10:59

Tgt Ion: 96	Resp: 7634
Ion Ratio	Lower Upper
96 100	
61 160.4	106.3 197.3
98 67.0	44.7 82.9





#19

1,1-Dichloroethane

Concen: 0.22 ug/L

RT: 3.193 min Scan# 654

Delta R.T. 0.003 min

Lab File: VV020219.D

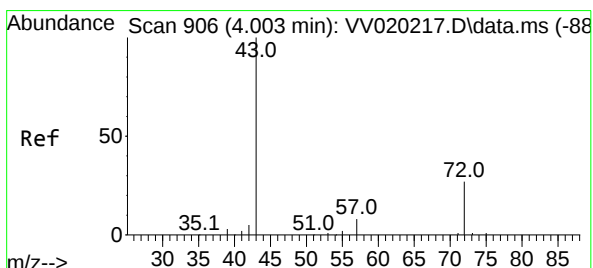
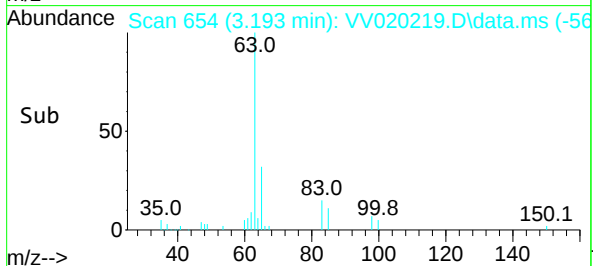
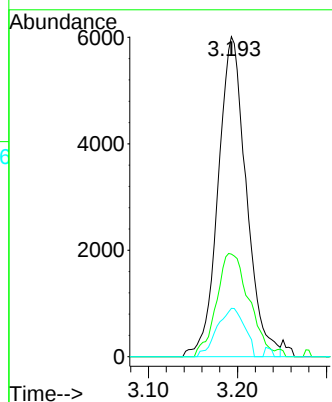
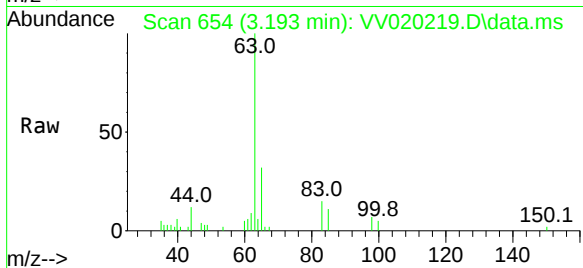
Acq: 29 Jan 2021 10:59

Tgt Ion:	63	Resp:	13204
Ion	Ratio	Lower	Upper
63	100		
65	32.1	21.8	40.6
83	15.1	9.0	16.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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#21

2-Butanone

Concen: 2.25 ug/L m

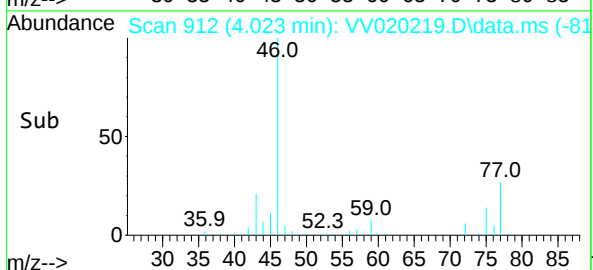
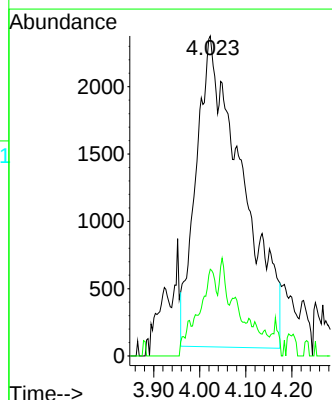
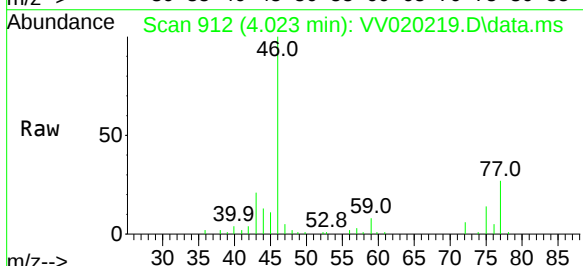
RT: 4.023 min Scan# 912

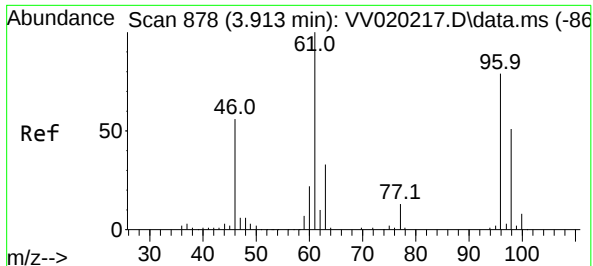
Delta R.T. 0.019 min

Lab File: VV020219.D

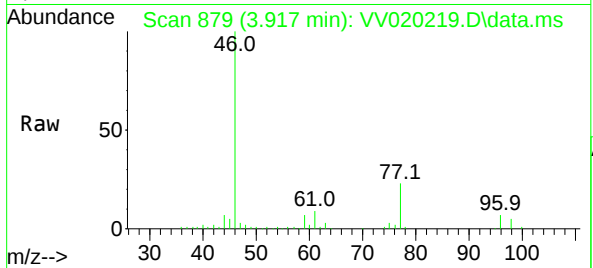
Acq: 29 Jan 2021 10:59

Tgt Ion:	43	Resp:	15992
Ion	Ratio	Lower	Upper
43	100		
72	7.4	10.9	32.7#

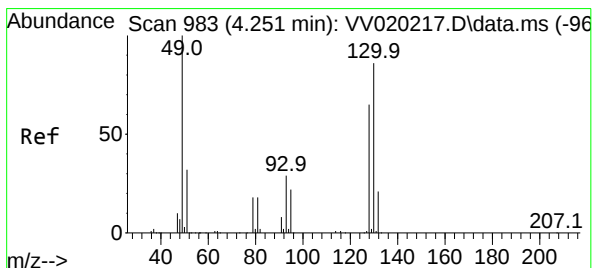
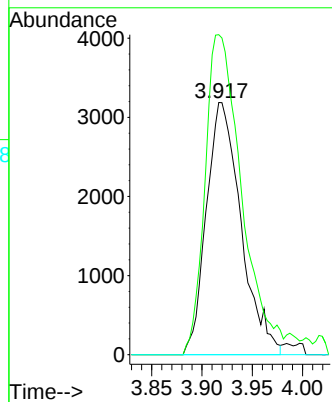
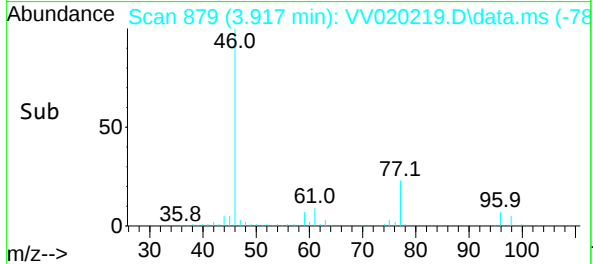




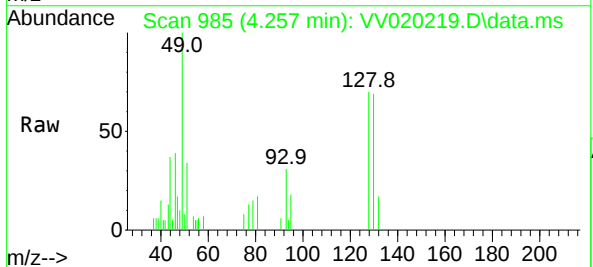
#22
cis-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 3.917 min Scan# 879
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



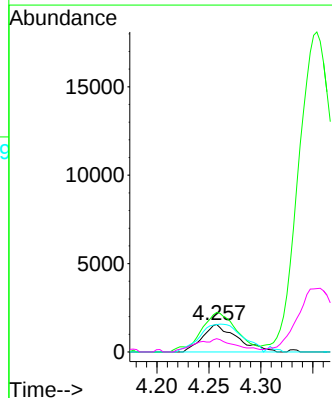
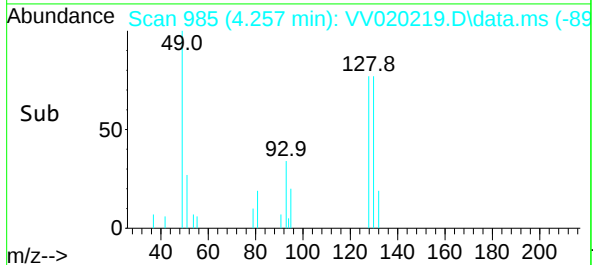
Tgt Ion: 96 Resp: 7638
Ion Ratio Lower Upper
96 100
61 126.9 98.1 182.3
68 0.0 0.0 0.0



#23
Bromochloromethane
Concen: 0.24 ug/L
RT: 4.257 min Scan# 985
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



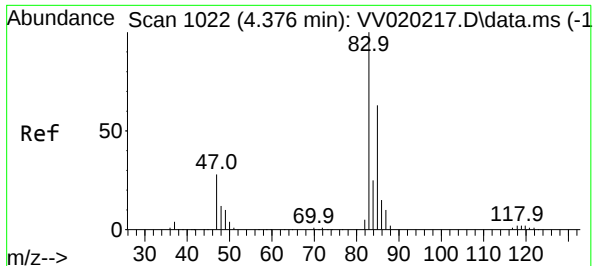
Tgt Ion: 128 Resp: 3608
Ion Ratio Lower Upper
128 100
49 143.8 132.6 246.2
130 99.6 86.4 160.4
51 48.6 48.0 72.0



Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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#25

Chloroform

Concen: 0.28 ug/L

RT: 4.380 min Scan# 1023

Delta R.T. 0.003 min

Lab File: VV020219.D

Acq: 29 Jan 2021 10:59

Tgt Ion: 83 Resp: 17184

Ion Ratio Lower Upper

83 100

85 64.7 46.4 86.2

Instrument :

MSVOA_V

ClientSampleId :

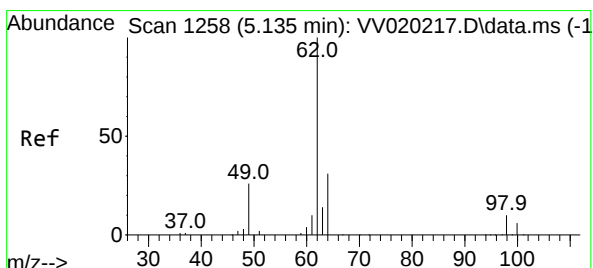
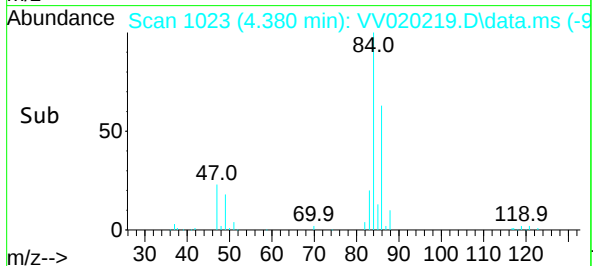
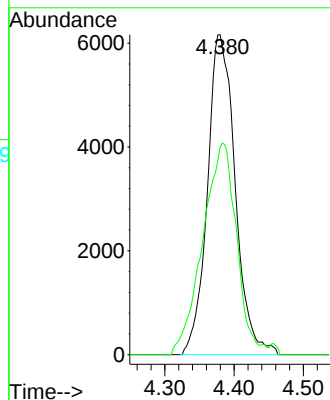
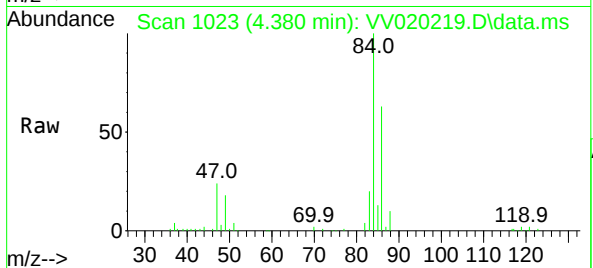
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#27

1,2-Dichloroethane

Concen: 0.19 ug/L

RT: 5.151 min Scan# 1263

Delta R.T. 0.016 min

Lab File: VV020219.D

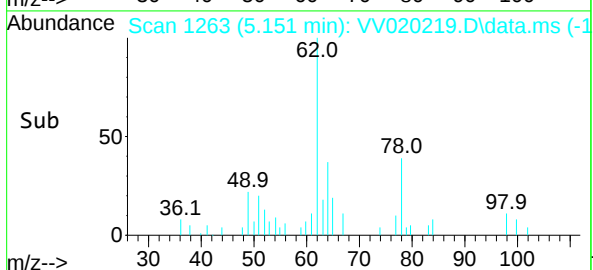
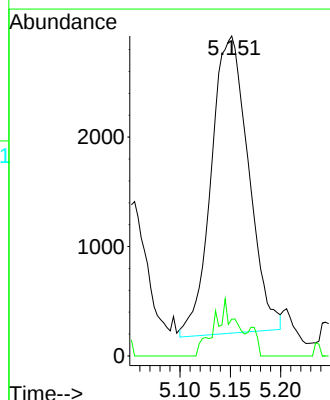
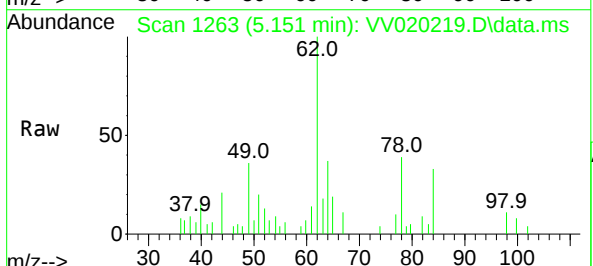
Acq: 29 Jan 2021 10:59

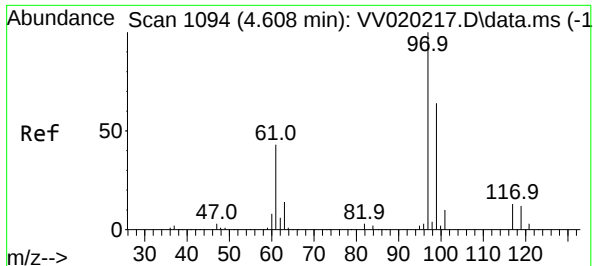
Tgt Ion: 62 Resp: 6998

Ion Ratio Lower Upper

62 100

98 11.5 7.6 11.4#





#29

1,1,1-Trichloroethane

Concen: 0.23 ug/L

RT: 4.614 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VV020219.D

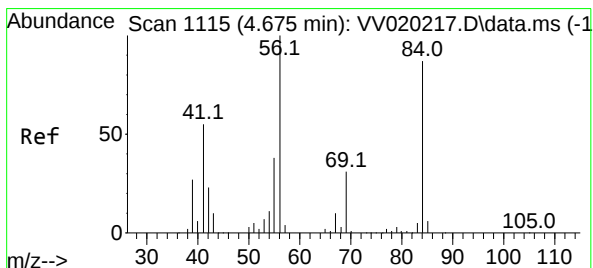
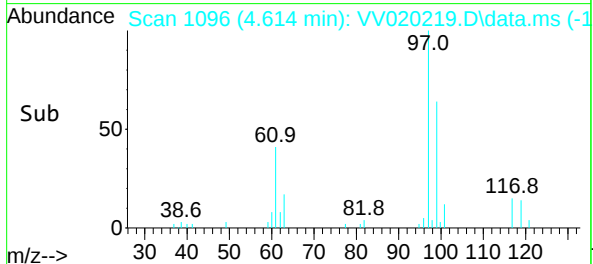
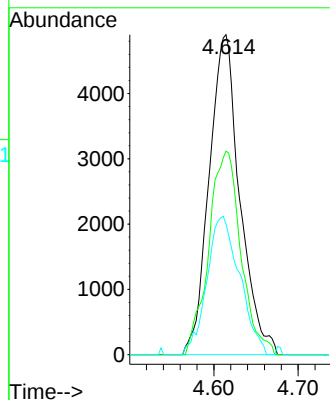
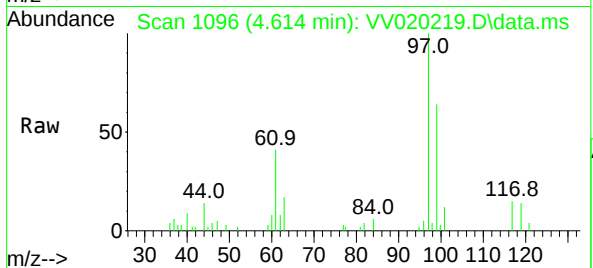
Acq: 29 Jan 2021 10:59

Tgt Ion: 97	Resp: 12405
Ion Ratio	Lower Upper
97 100	
99 66.4	51.1 76.7
61 46.2	38.6 57.8

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

Manual Integrations
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#30

Cyclohexane

Concen: 0.23 ug/L

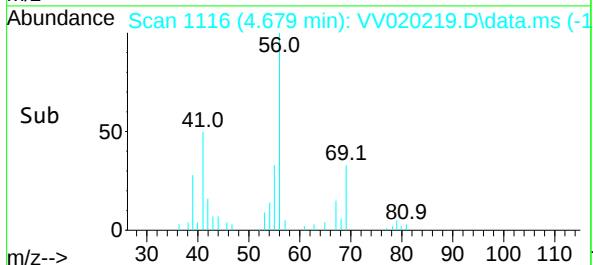
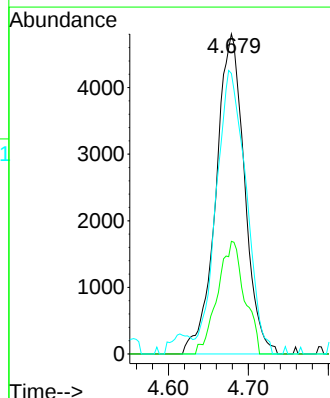
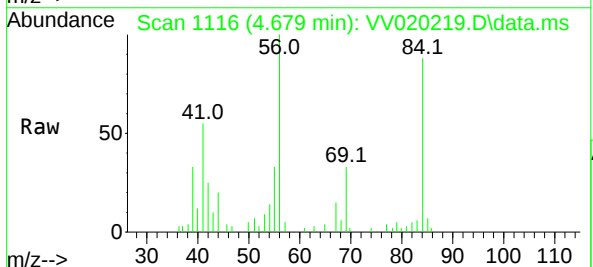
RT: 4.679 min Scan# 1116

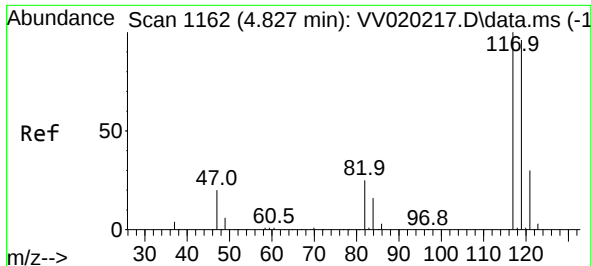
Delta R.T. 0.003 min

Lab File: VV020219.D

Acq: 29 Jan 2021 10:59

Tgt Ion: 56	Resp: 11888
Ion Ratio	Lower Upper
56 100	
69 33.2	24.1 36.1
84 92.7	66.8 100.2





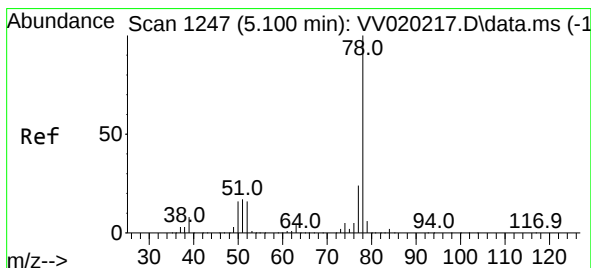
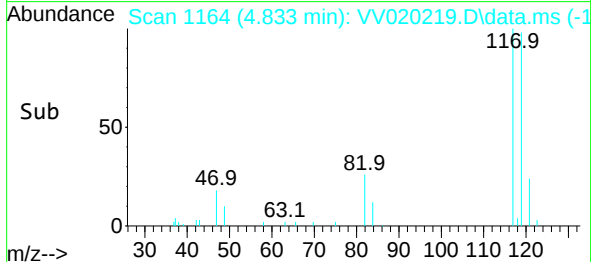
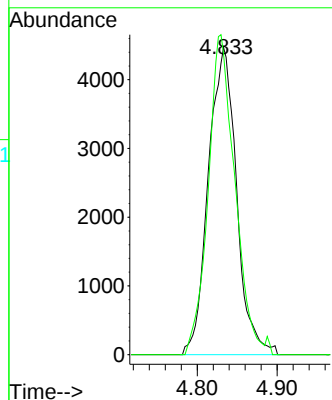
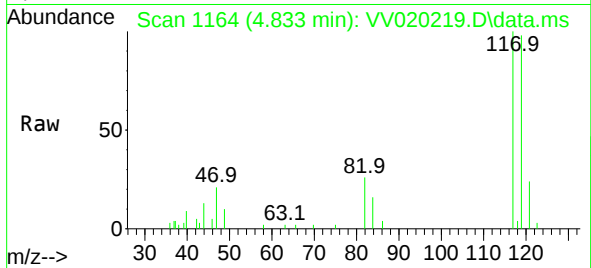
#31
Carbon tetrachloride
Concen: 0.23 ug/L
RT: 4.833 min Scan# 1164
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 117 Resp: 10945
Ion Ratio Lower Upper
117 100
119 98.4 76.0 114.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

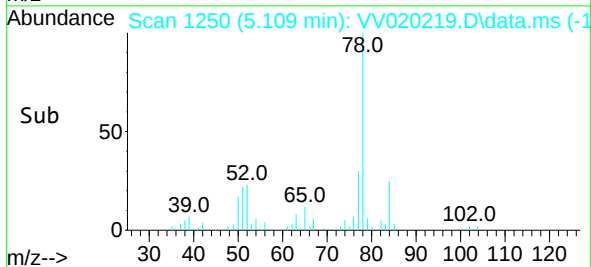
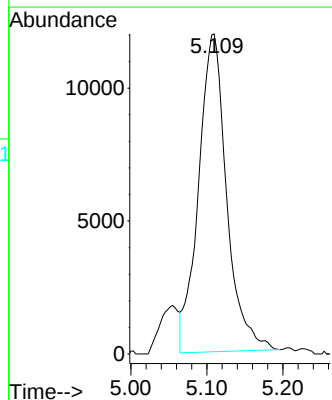
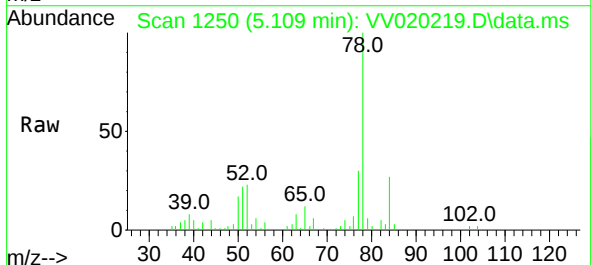
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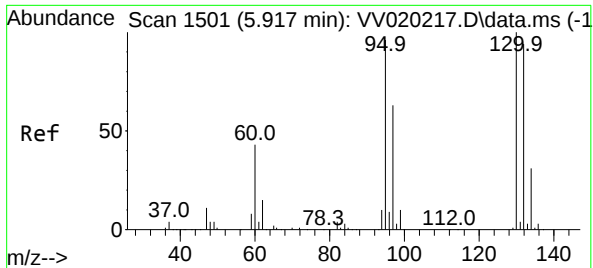
MMDadoda
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#33
Benzene
Concen: 0.24 ug/L
RT: 5.109 min Scan# 1250
Delta R.T. 0.010 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

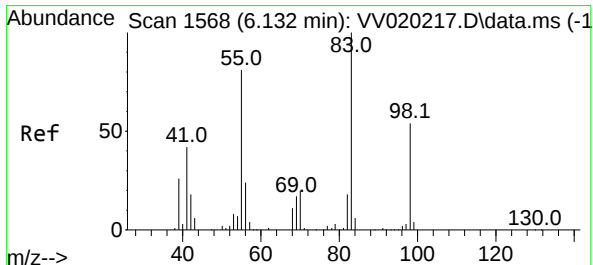
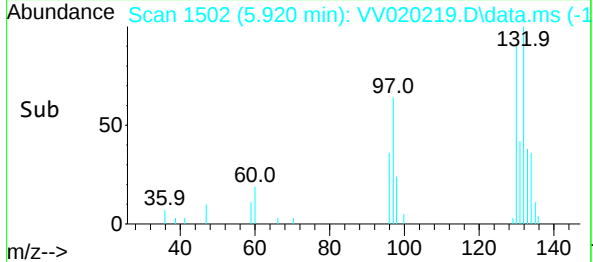
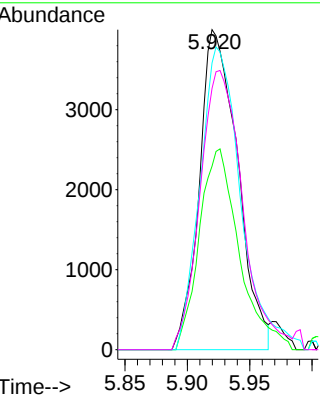
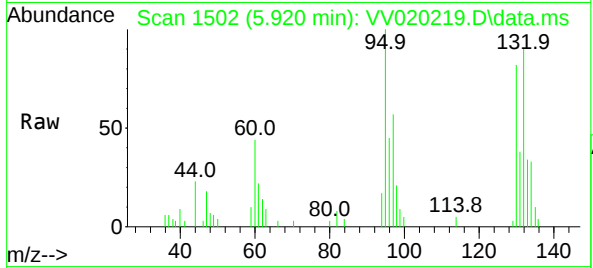
Tgt Ion: 78 Resp: 30768





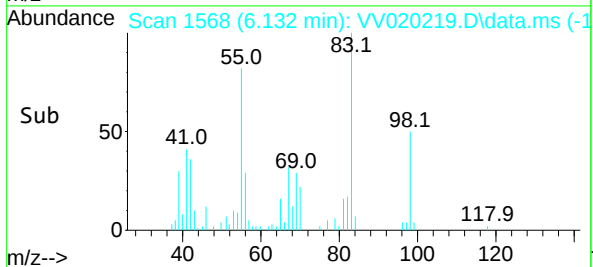
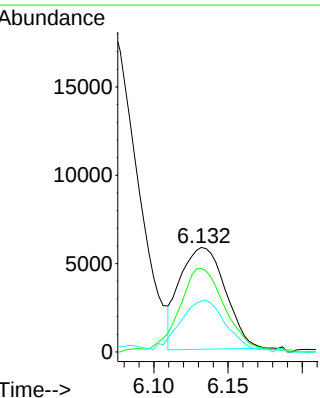
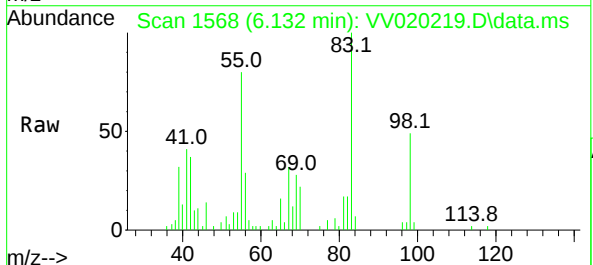
#34
Trichloroethene
Concen: 0.24 ug/L
RT: 5.920 min Scan# 1502
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	95	Resp:	8522
Ion	Ratio	Lower	Upper
95	100		
97	57.3	44.1	81.9
132	89.6	61.2	113.8
130	81.7	65.1	120.9



#35
Methylcyclohexane
Concen: 0.23 ug/L
RT: 6.132 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

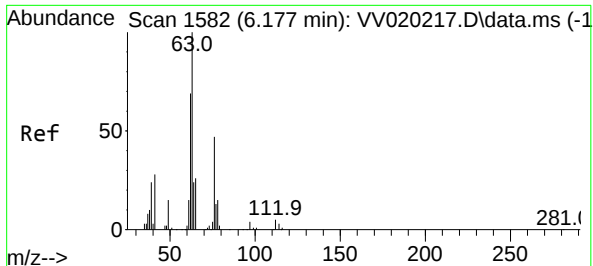
Tgt Ion:	83	Resp:	12238
Ion	Ratio	Lower	Upper
83	100		
55	84.1	67.5	101.3
98	51.8	38.6	58.0



Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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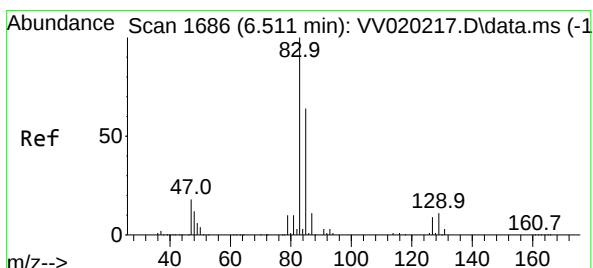
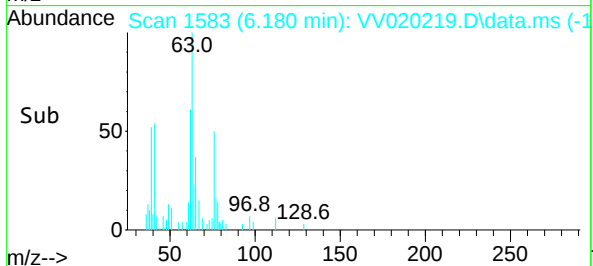
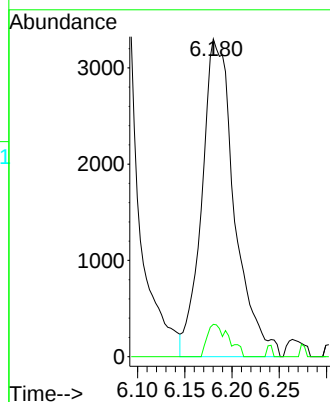
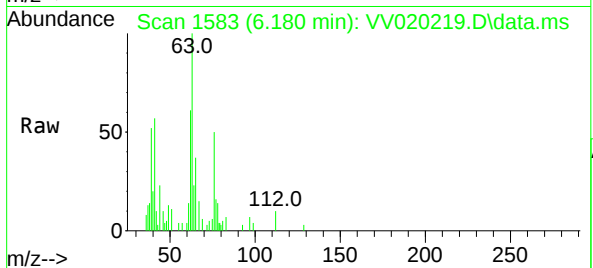
#37
1,2-Dichloropropane
Concen: 0.25 ug/L
RT: 6.180 min Scan# 1583
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 63 Resp: 7891
Ion Ratio Lower Upper
63 100
112 6.7 3.6 5.4#

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

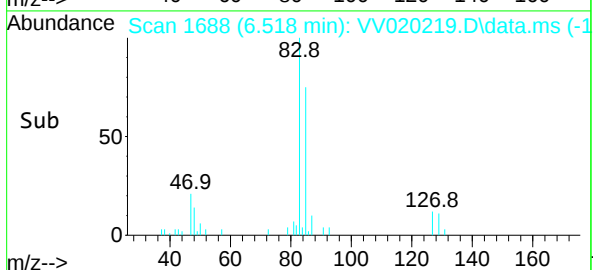
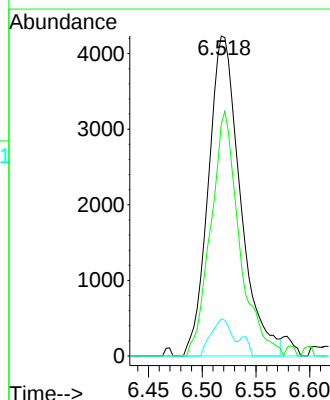
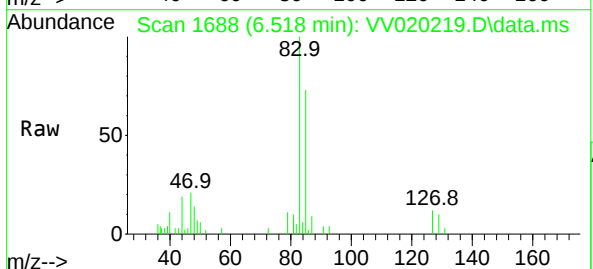
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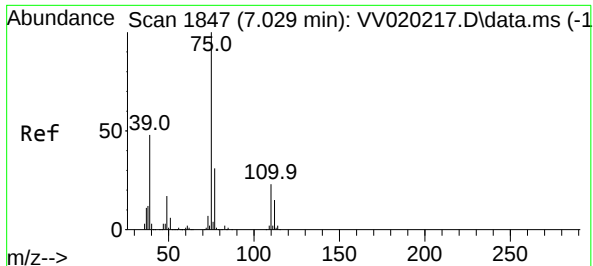
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#38
Bromodichloromethane
Concen: 0.21 ug/L
RT: 6.518 min Scan# 1688
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 83 Resp: 8739
Ion Ratio Lower Upper
83 100
85 72.6 45.9 85.3
127 11.7 6.2 9.2#





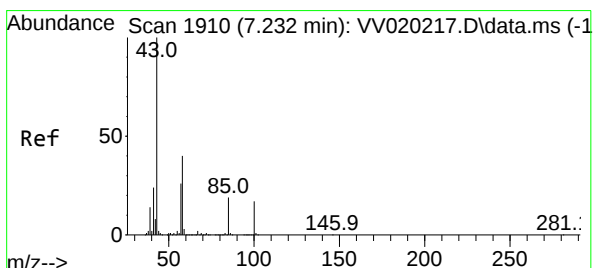
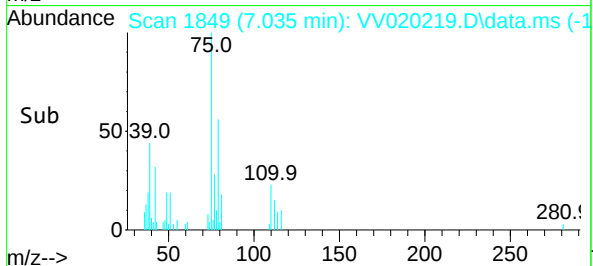
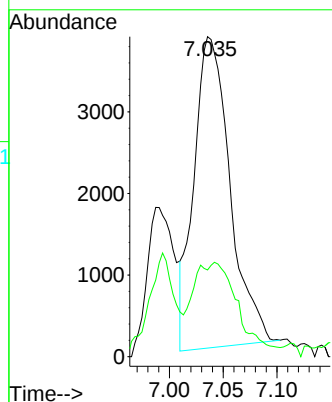
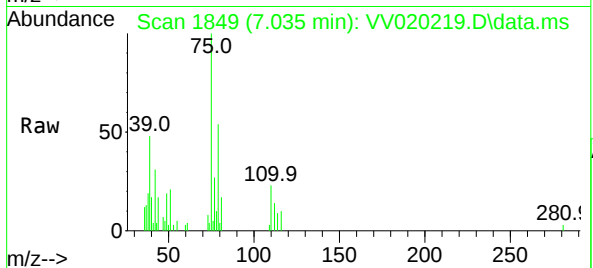
#39
cis-1,3-Dichloropropene
Concen: 0.20 ug/L
RT: 7.035 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 75 Resp: 8894
Ion Ratio Lower Upper
75 100
77 27.1 21.0 39.0

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

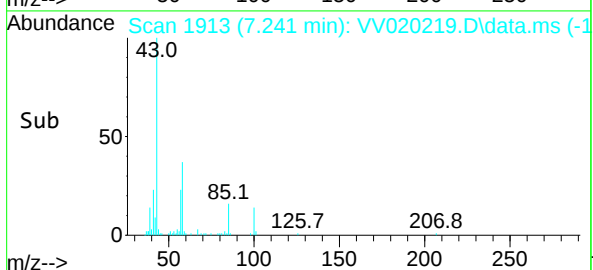
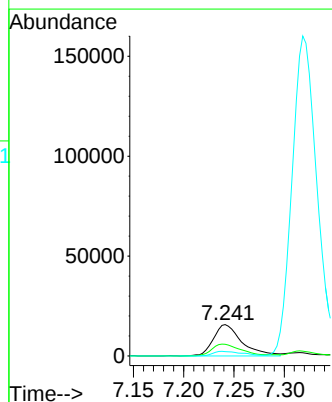
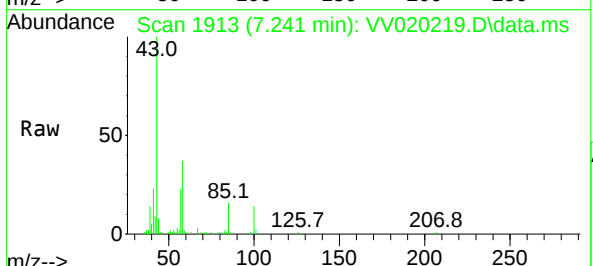
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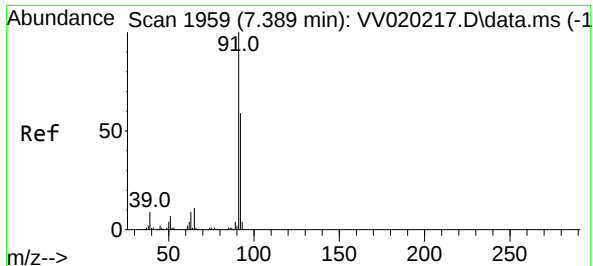
MMDadoda
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#40
4-Methyl-2-pentanone
Concen: 1.77 ug/L
RT: 7.241 min Scan# 1913
Delta R.T. 0.010 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 43 Resp: 30999
Ion Ratio Lower Upper
43 100
58 40.5 30.0 45.0
100 0.0 11.4 17.0#





#42

Toluene

Concen: 0.23 ug/L

RT: 7.396 min Scan# 1961

Delta R.T. 0.006 min

Lab File: VV020219.D

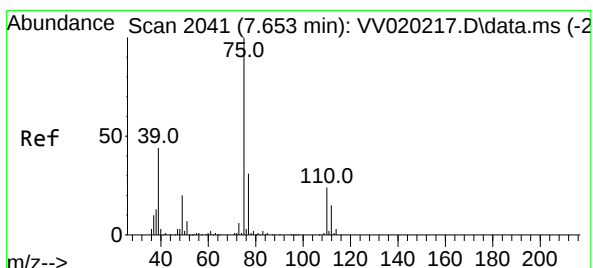
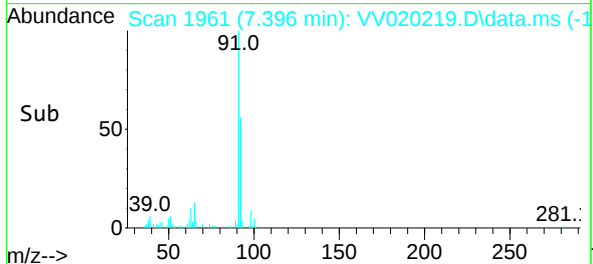
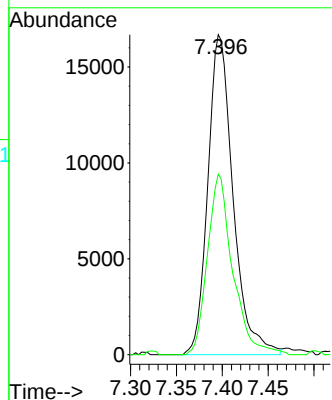
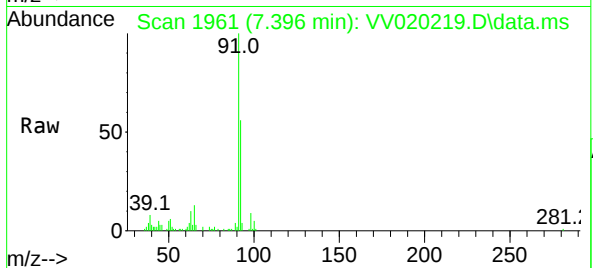
Acq: 29 Jan 2021 10:59

Tgt Ion: 91 Resp: 31887

Ion Ratio Lower Upper

91 100

92 56.4 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 0.27 ug/L

RT: 7.659 min Scan# 2043

Delta R.T. 0.006 min

Lab File: VV020219.D

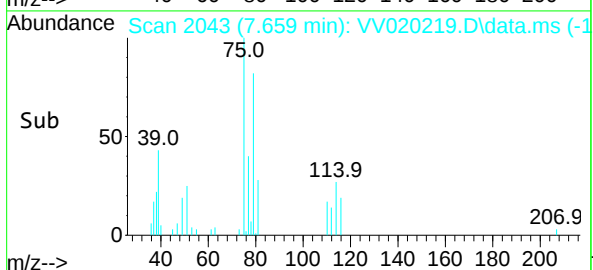
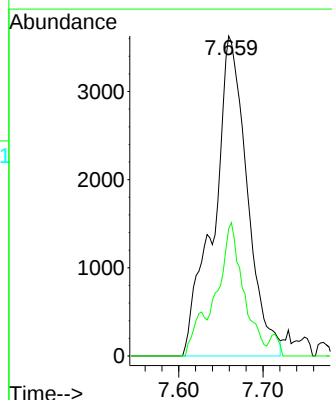
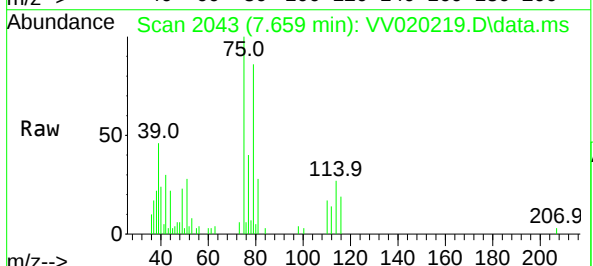
Acq: 29 Jan 2021 10:59

Tgt Ion: 75 Resp: 9957

Ion Ratio Lower Upper

75 100

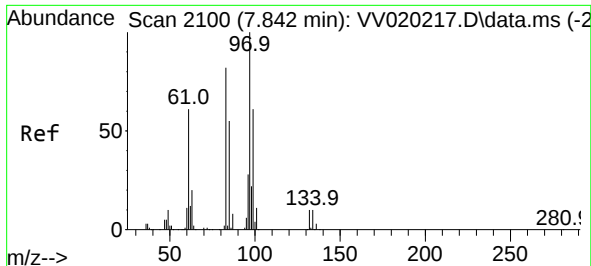
77 39.8 21.1 39.3#



Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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#45

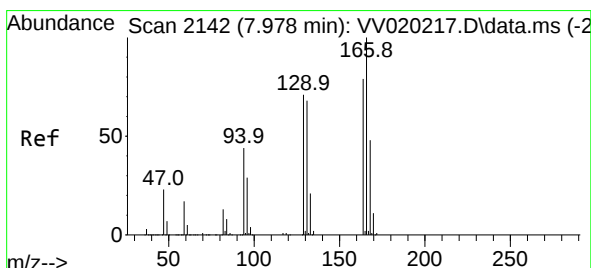
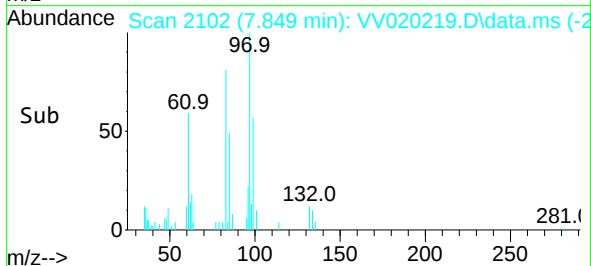
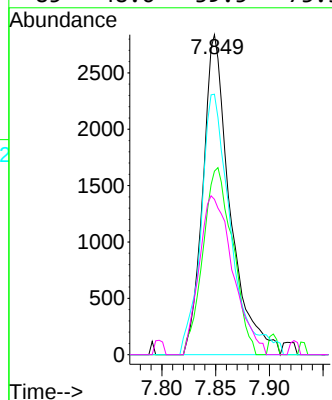
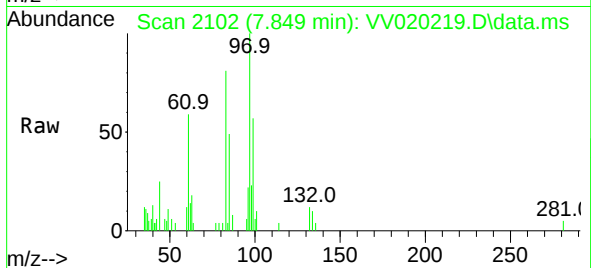
1,1,2-Trichloroethane
Concen: 0.23 ug/L
RT: 7.849 min Scan# 2102
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	97	Resp:	4993
Ion	Ratio	Lower	Upper
97	100		
99	57.3	42.4	78.8
83	81.4	59.4	110.4
85	48.6	39.5	73.3

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

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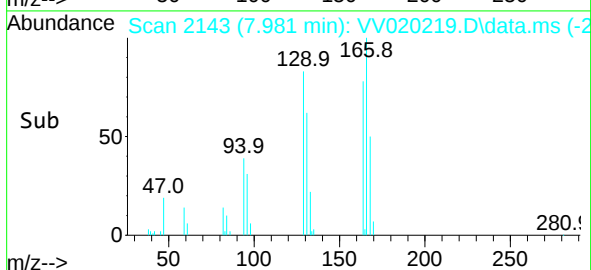
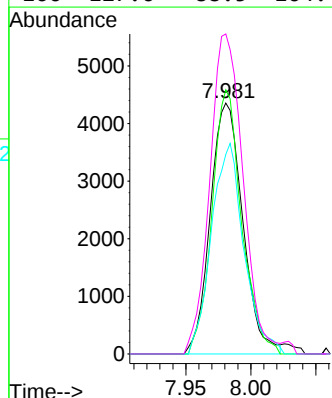
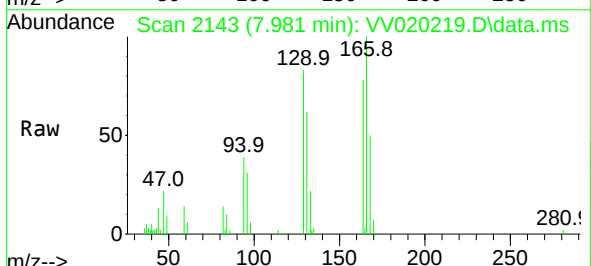
MMDadoda
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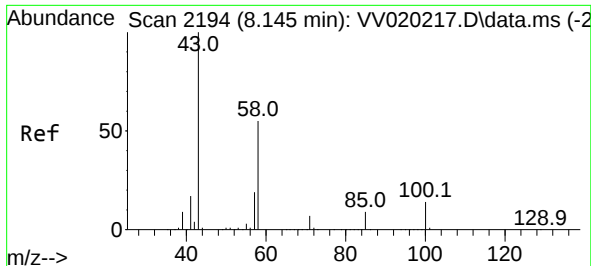


#47

Tetrachloroethene
Concen: 0.25 ug/L
RT: 7.981 min Scan# 2143
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	164	Resp:	7557
Ion	Ratio	Lower	Upper
164	100		
129	105.4	72.1	133.9
131	79.6	68.9	127.9
166	127.6	88.5	164.4





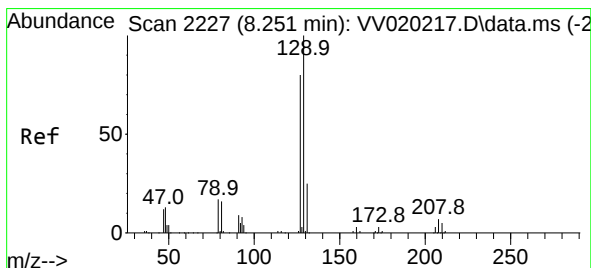
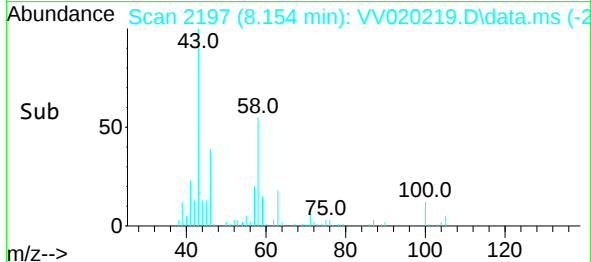
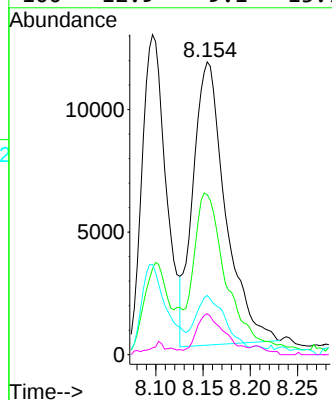
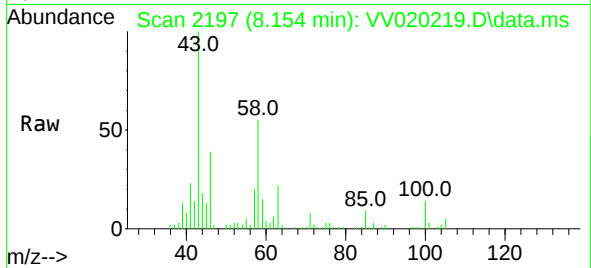
#48
2-Hexanone
Concen: 2.27 ug/L
RT: 8.154 min Scan# 2197
Delta R.T. 0.010 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	43	Resp:	27640
Ion Ratio	Lower	Upper	
43	100		
58	57.1	42.4	63.6
57	17.0	14.8	22.2
100	12.9	9.1	13.7

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

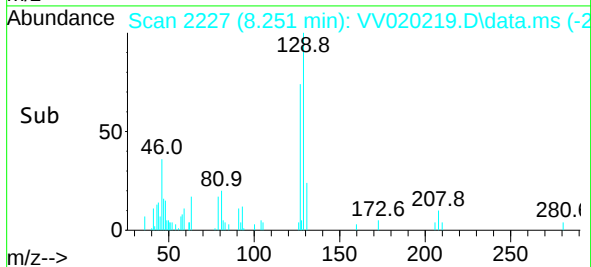
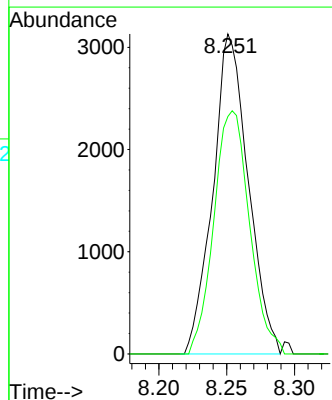
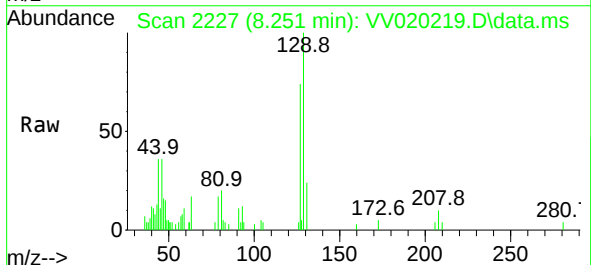
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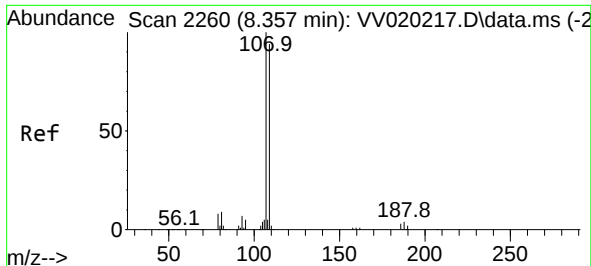
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#49
Dibromochloromethane
Concen: 0.22 ug/L
RT: 8.251 min Scan# 2227
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	129	Resp:	5676
Ion Ratio	Lower	Upper	
129	100		
127	74.2	55.0	102.2





#50

1,2-Dibromoethane

Concen: 0.22 ug/L

RT: 8.363 min Scan# 2262

Delta R.T. 0.006 min

Lab File: VV020219.D

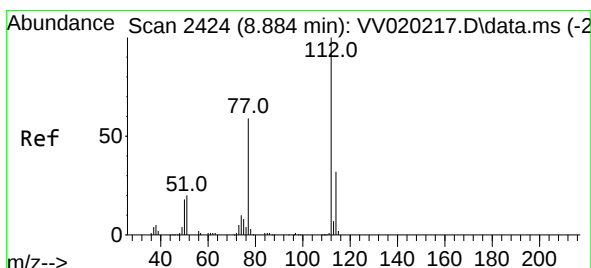
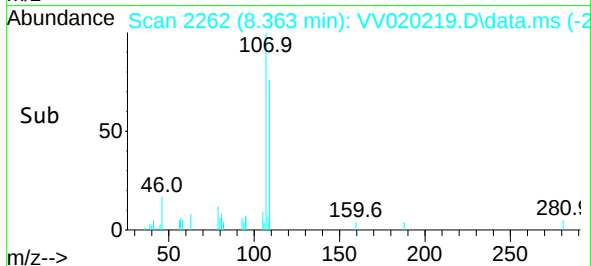
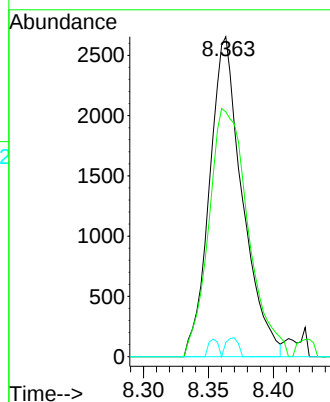
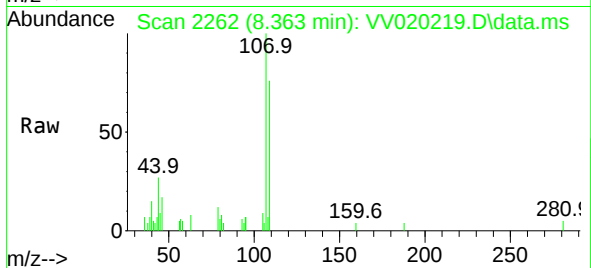
Acq: 29 Jan 2021 10:59

Tgt Ion:	107	Resp:	4664
Ion	Ratio	Lower	Upper
107	100		
109	76.5	63.8	118.4
188	4.4	2.5	3.7#

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT1-2021-02

Manual Integrations
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#51

Chlorobenzene

Concen: 0.23 ug/L

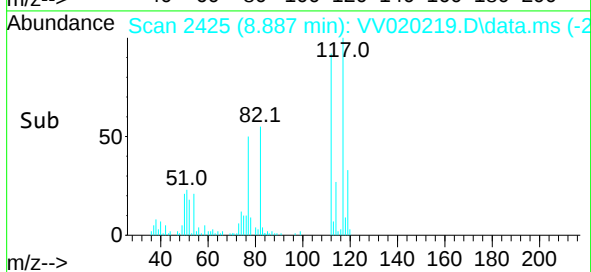
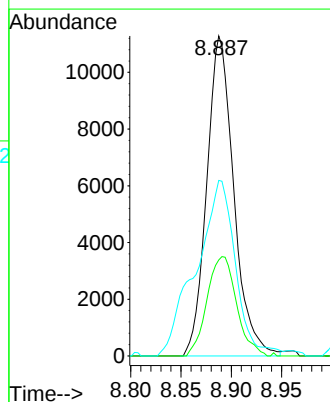
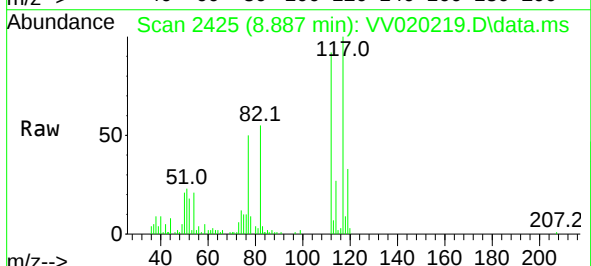
RT: 8.887 min Scan# 2425

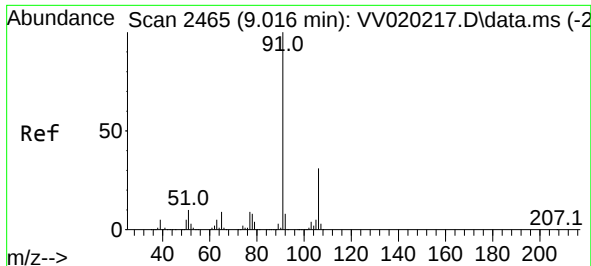
Delta R.T. 0.003 min

Lab File: VV020219.D

Acq: 29 Jan 2021 10:59

Tgt Ion:	112	Resp:	21106
Ion	Ratio	Lower	Upper
112	100		
114	30.0	21.8	40.6
77	54.9	51.0	76.4





#52

Ethylbenzene

Concen: 0.22 ug/L

RT: 9.019 min Scan# 2466

Delta R.T. 0.003 min

Lab File: VV020219.D

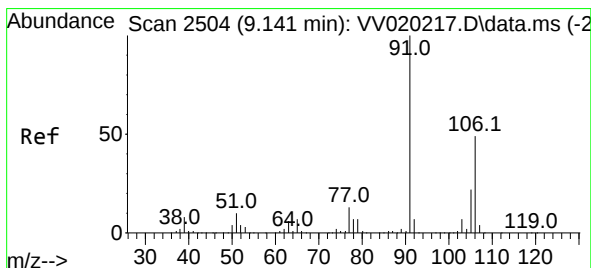
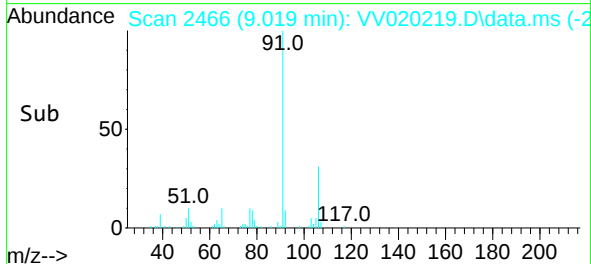
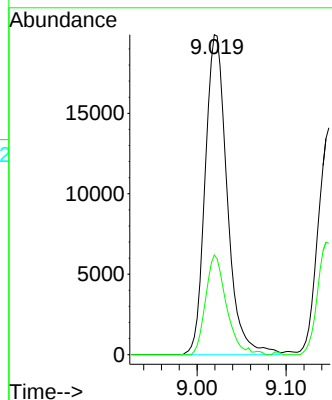
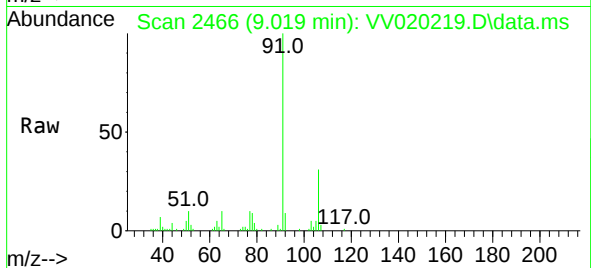
Acq: 29 Jan 2021 10:59

Tgt Ion: 91 Resp: 34076

Ion Ratio Lower Upper

91 100

106 31.2 20.9 38.7



#53

m,p-xylene

Concen: 0.21 ug/L

RT: 9.145 min Scan# 2505

Delta R.T. 0.003 min

Lab File: VV020219.D

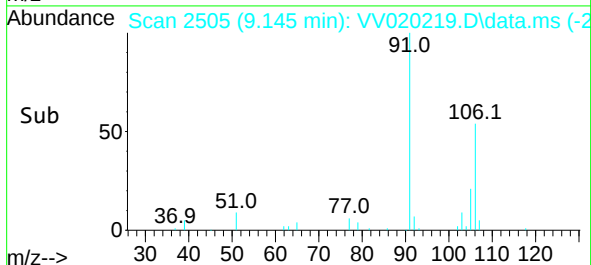
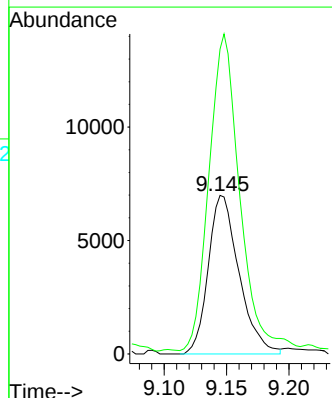
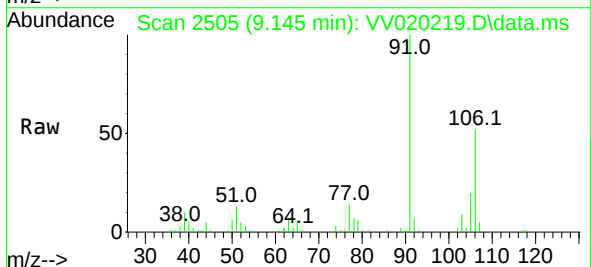
Acq: 29 Jan 2021 10:59

Tgt Ion: 106 Resp: 12006

Ion Ratio Lower Upper

106 100

91 192.2 147.1 273.1



Instrument :

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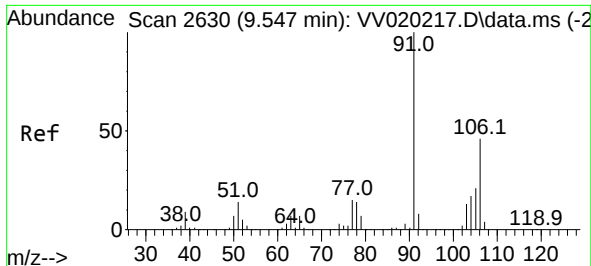
ClientSampleId :

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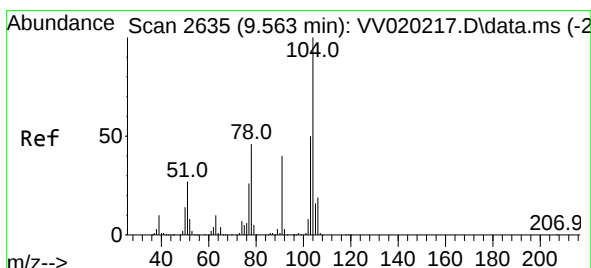
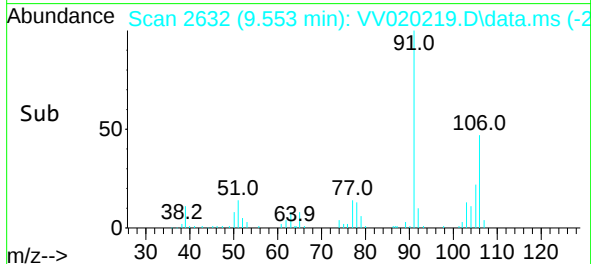
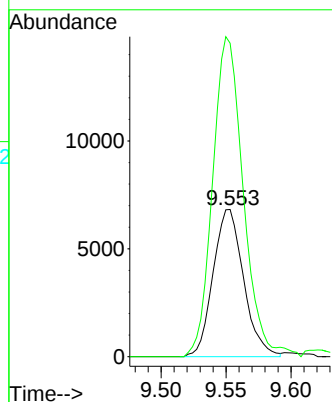
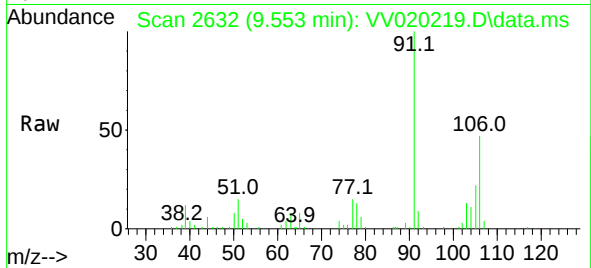
#54
o-xylene
Concen: 0.20 ug/L
RT: 9.553 min Scan# 2632
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:106 Resp: 11135
Ion Ratio Lower Upper
106 100
91 212.8 155.8 289.3

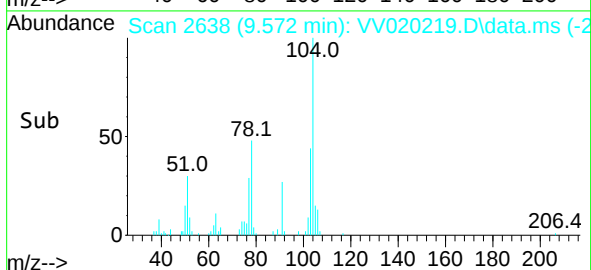
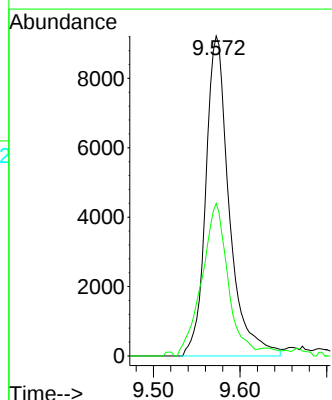
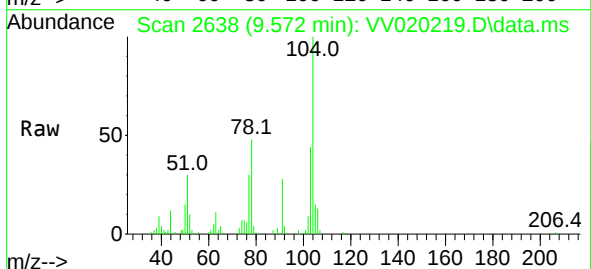
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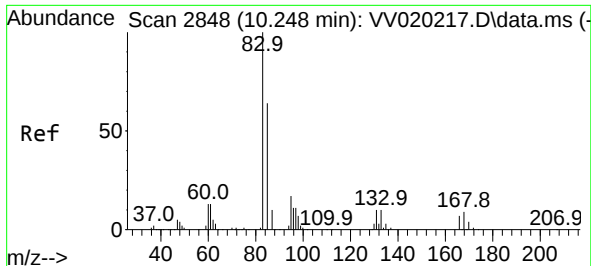
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#55
Styrene
Concen: 0.18 ug/L
RT: 9.572 min Scan# 2638
Delta R.T. 0.010 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

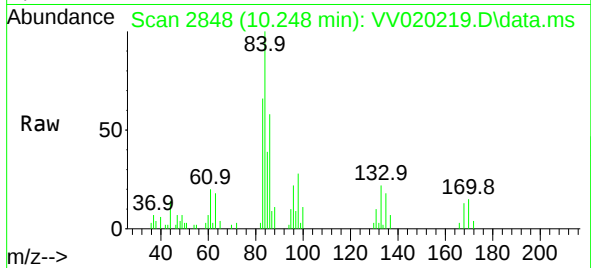
Tgt Ion:104 Resp: 17356
Ion Ratio Lower Upper
104 100
78 47.7 33.7 62.7





#57
1,1,2,2-Tetrachloroethane
Concen: 0.28 ug/L
RT: 10.248 min Scan# 2848
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

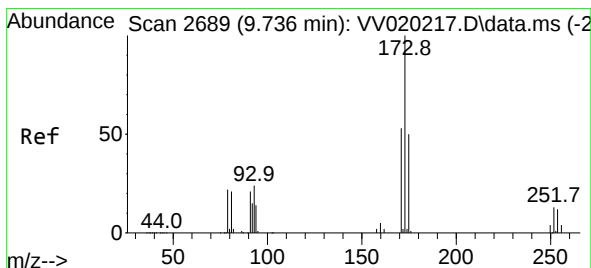
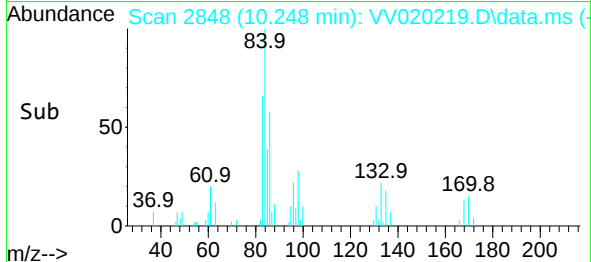
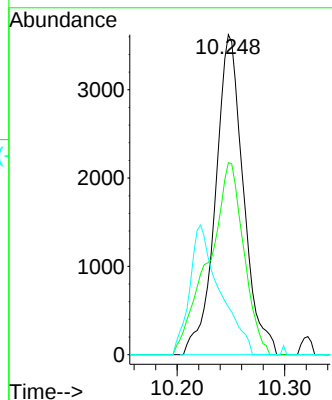
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	44.3	82.3
131	15.0	7.4	11.2#

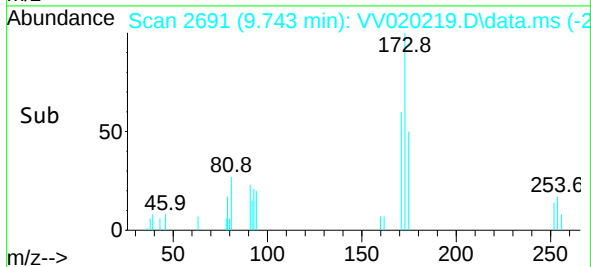
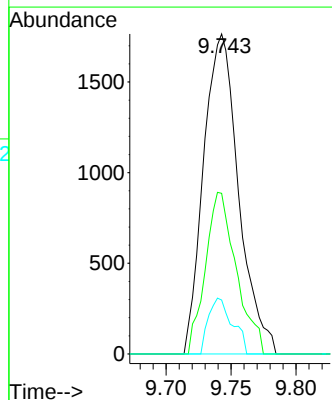
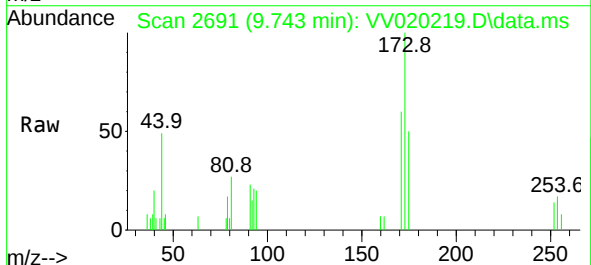
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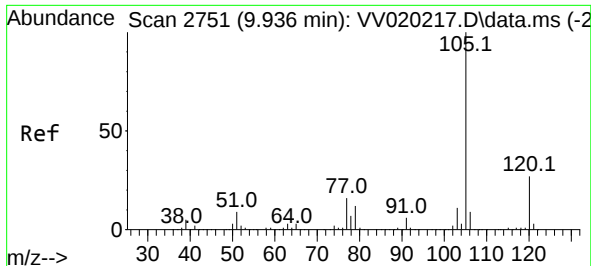
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#59
Bromoform
Concen: 0.25 ug/L
RT: 9.743 min Scan# 2691
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	44.5	38.3	57.5
254	11.9	6.4	9.6#





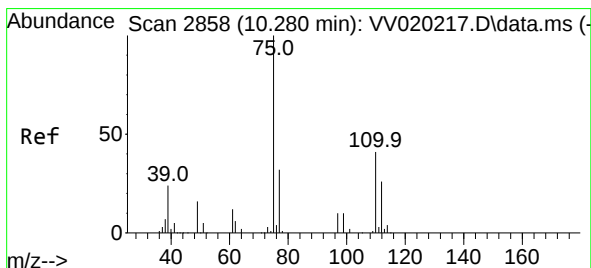
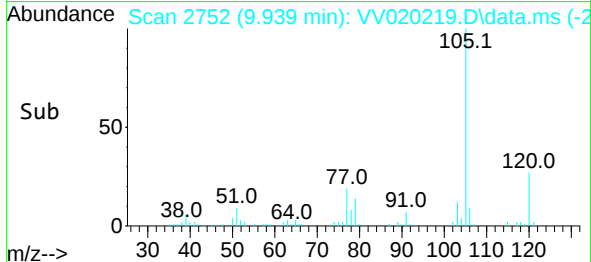
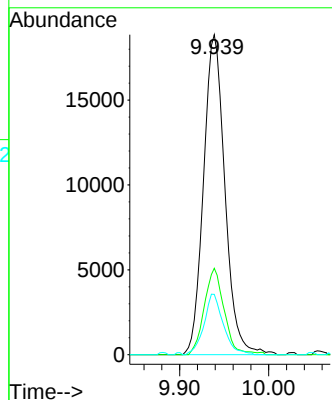
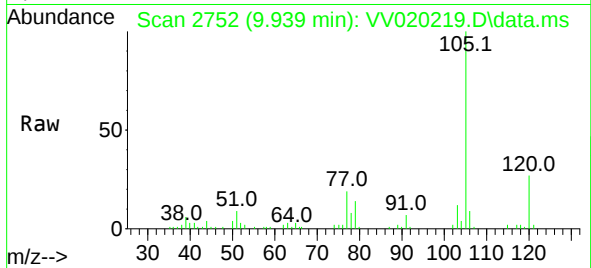
#60
Isopropylbenzene
Concen: 0.23 ug/L
RT: 9.939 min Scan# 2752
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 105 Resp: 31429
Ion Ratio Lower Upper
105 100
120 25.2 20.4 30.6
77 17.1 13.7 20.5

Instrument :
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ClientSampleId :
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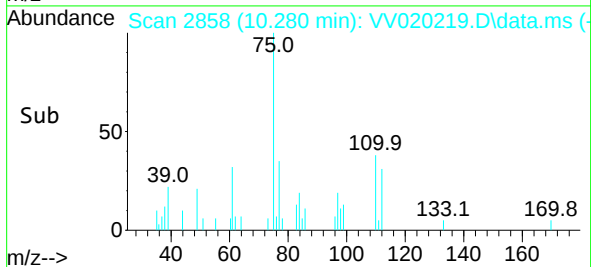
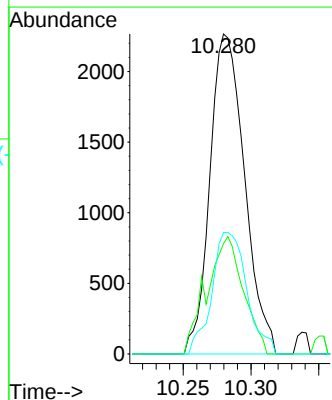
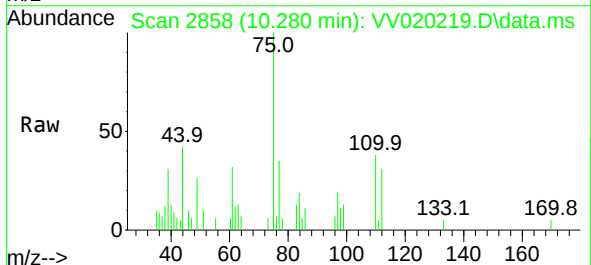
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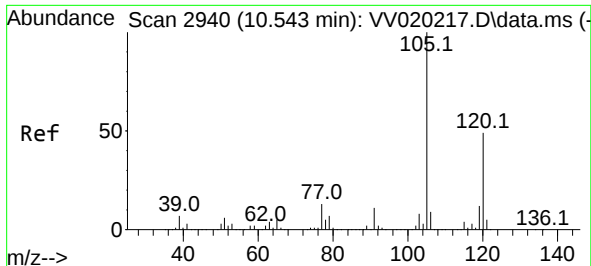
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#61
1,2,3-Trichloropropane
Concen: 0.25 ug/L
RT: 10.280 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion: 75 Resp: 4023
Ion Ratio Lower Upper
75 100
77 38.8 25.6 38.4#
110 38.4 30.5 45.7





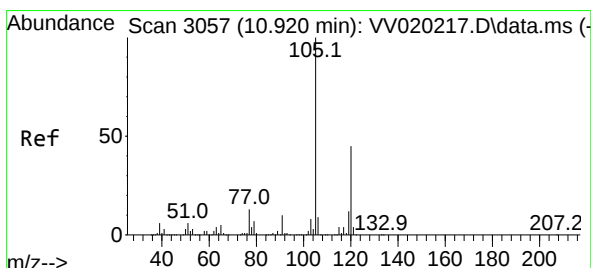
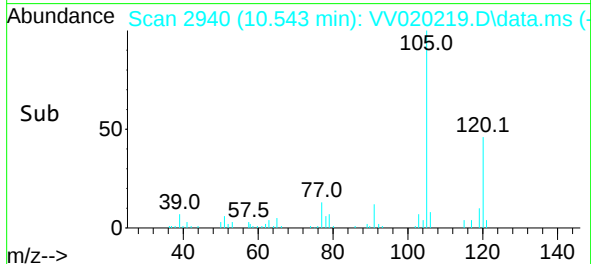
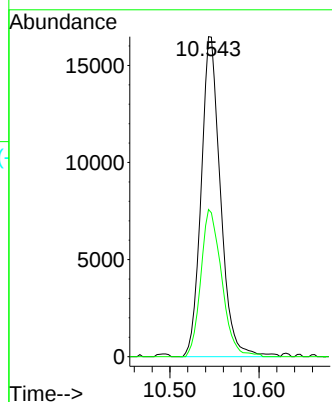
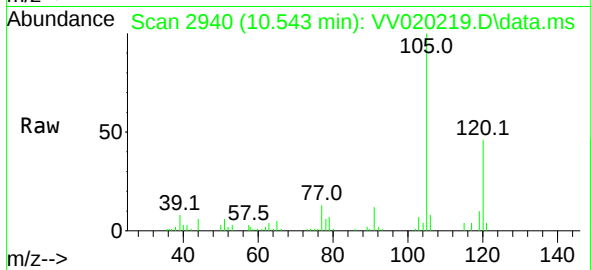
#62
1,3,5-Trimethylbenzene
Concen: 0.22 ug/L
RT: 10.543 min Scan# 2940
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:105 Resp: 24813
Ion Ratio Lower Upper
105 100
120 49.6 37.8 56.6

Instrument :
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ClientSampleId :
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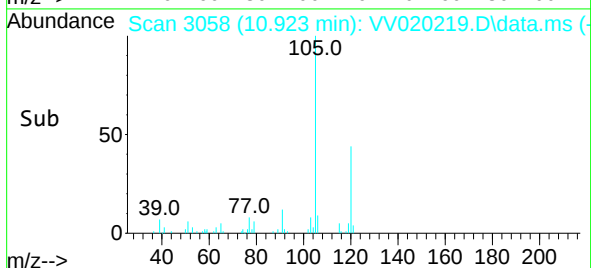
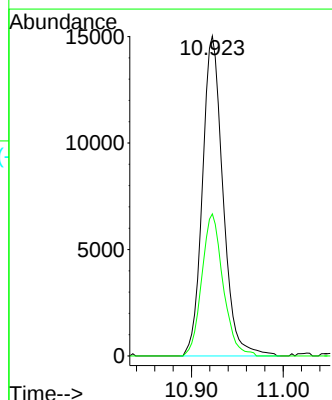
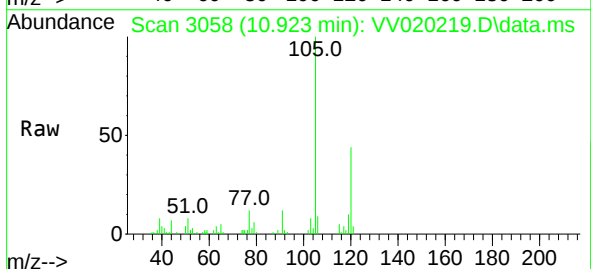
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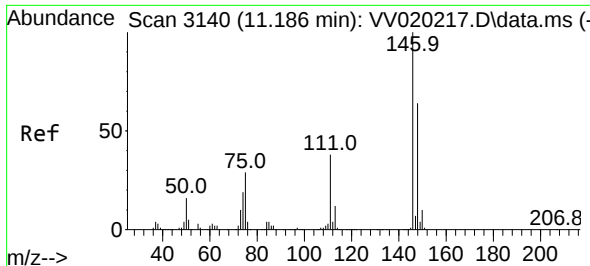
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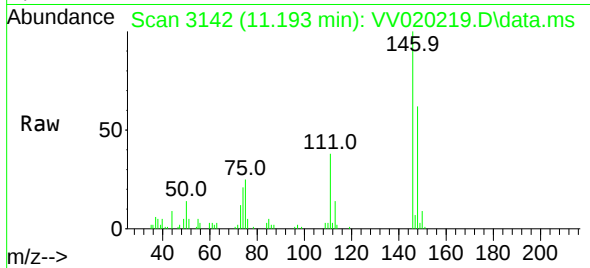
#63
1,2,4-Trimethylbenzene
Concen: 0.20 ug/L
RT: 10.923 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:105 Resp: 23387
Ion Ratio Lower Upper
105 100
120 46.0 34.9 52.3

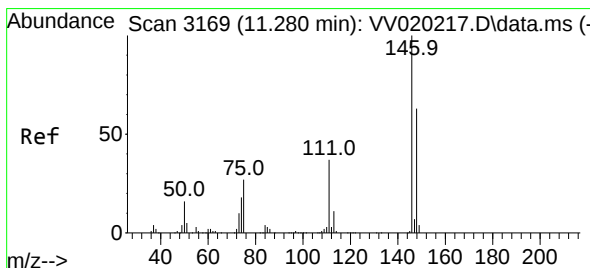
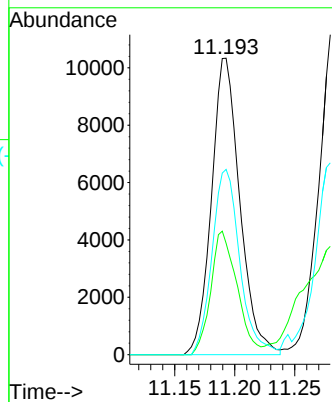
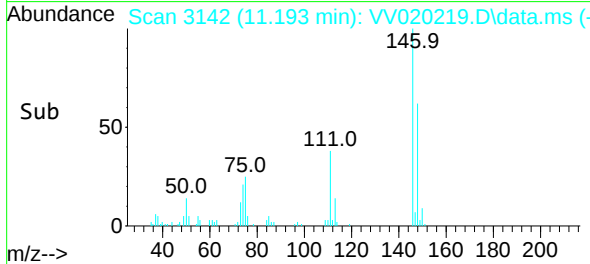




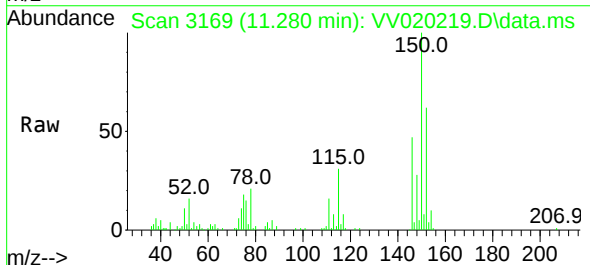
#64
1,3-Dichlorobenzene
Concen: 0.24 ug/L
RT: 11.193 min Scan# 3142
Delta R.T. 0.006 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



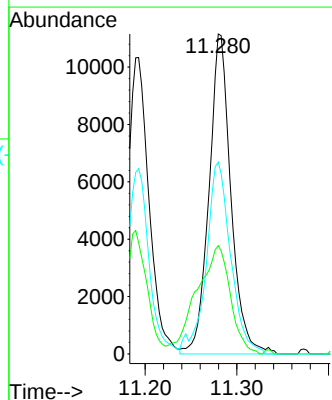
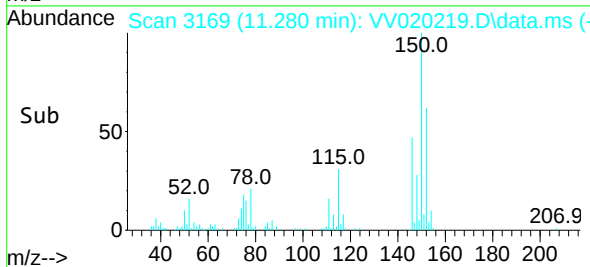
Tgt Ion:146 Resp: 16983
Ion Ratio Lower Upper
146 100
111 37.5 30.4 56.5
148 62.5 45.8 85.2



#65
1,4-Dichlorobenzene
Concen: 0.25 ug/L
RT: 11.280 min Scan# 3169
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



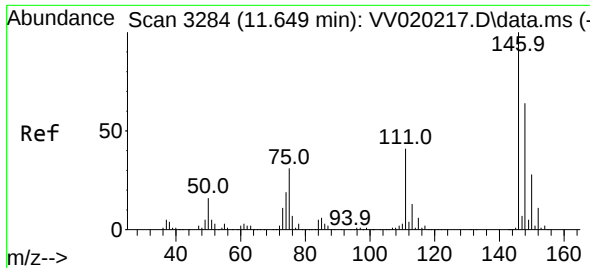
Tgt Ion:146 Resp: 18531
Ion Ratio Lower Upper
146 100
111 33.9 29.7 55.1
148 60.0 45.1 83.7



Instrument :
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ClientSampleId :
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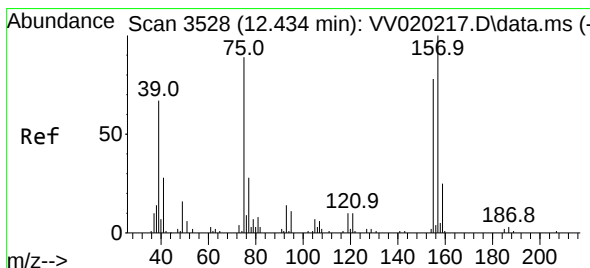
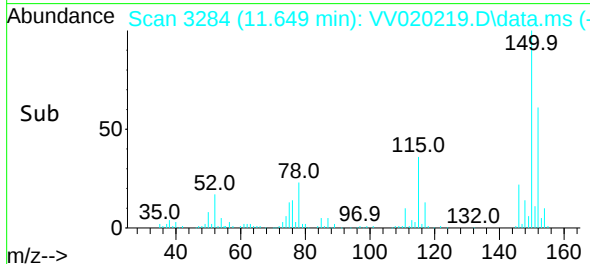
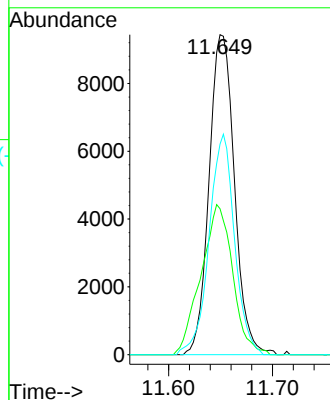
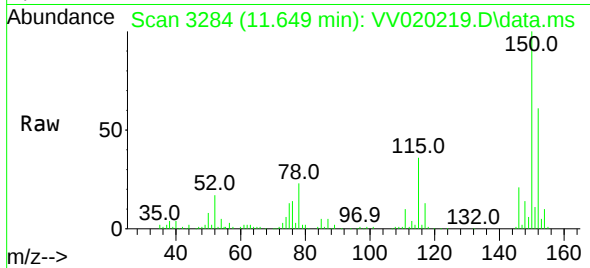
#67
1,2-Dichlorobenzene
Concen: 0.25 ug/L
RT: 11.649 min Scan# 3284
Delta R.T. 0.000 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

Tgt Ion:	146	Resp:	16010
Ion Ratio	Lower	Upper	
146	100		
111	45.6	37.7	56.5
148	65.8	50.6	75.8

Instrument :
MSVOA_V
ClientSampleId :
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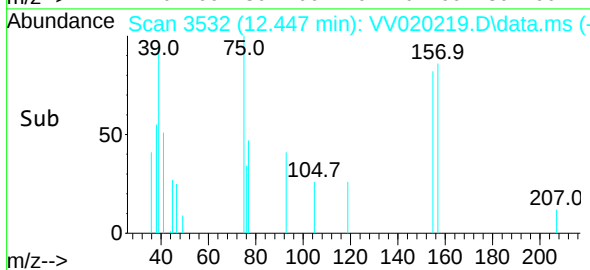
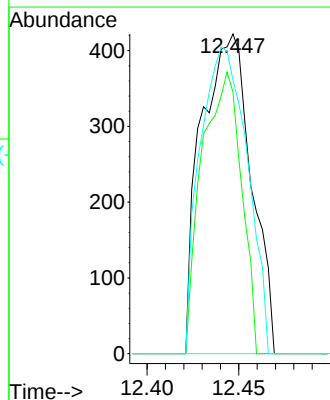
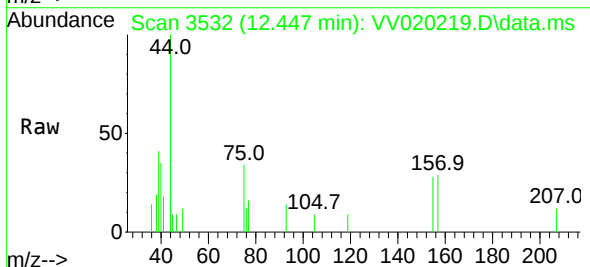
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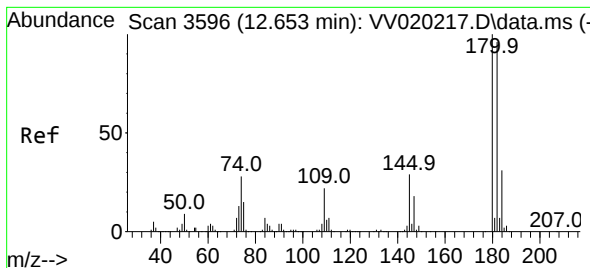
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#68
1,2-Dibromo-3-chloropropane
Concen: 0.21 ug/L
RT: 12.447 min Scan# 3532
Delta R.T. 0.013 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

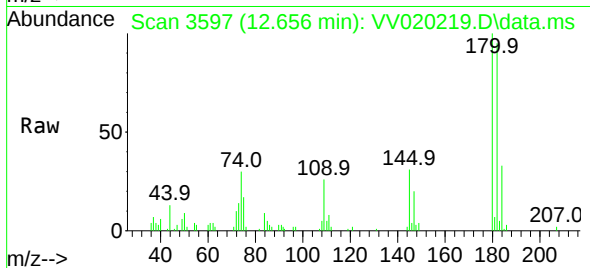
Tgt Ion:	75	Resp:	797
Ion Ratio	Lower	Upper	
75	100		
155	81.8	56.5	84.7
157	85.5	74.2	111.2





#69
1,3,5-Trichlorobenzene
Concen: 0.23 ug/L
RT: 12.656 min Scan# 3597
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

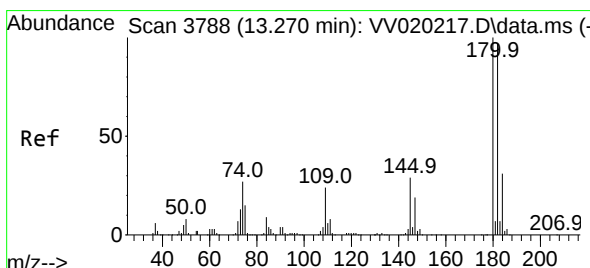
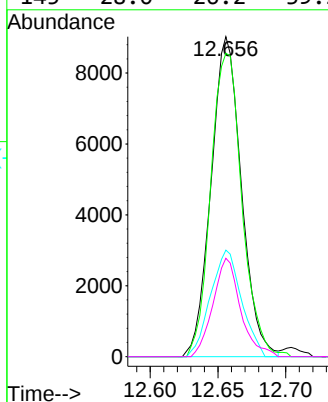
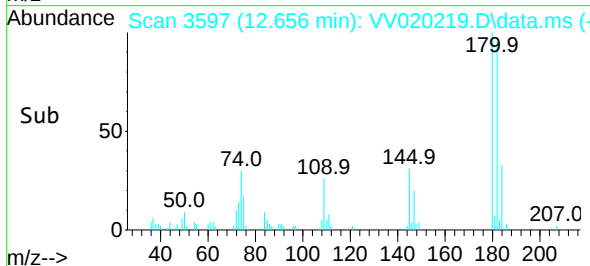
Instrument :
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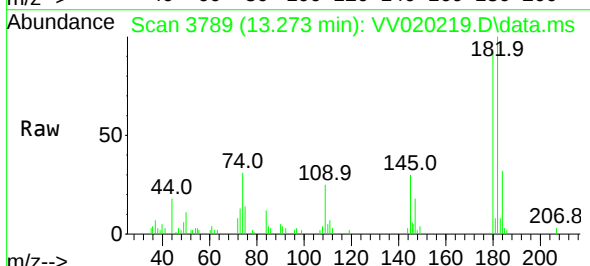
Tgt Ion:180 Resp: 14012
Ion Ratio Lower Upper
180 100
182 97.4 75.9 113.9
184 34.0 23.5 35.3
145 28.0 26.2 39.2

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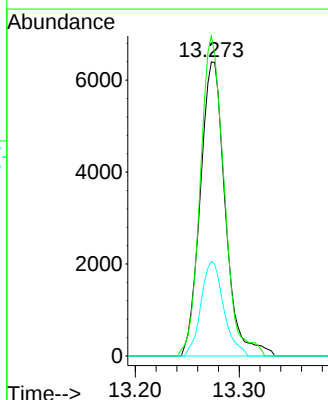
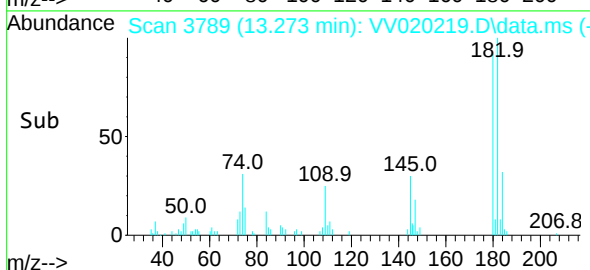
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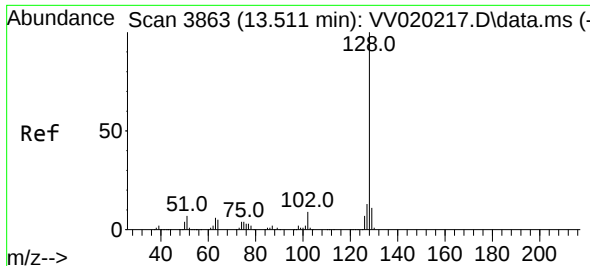


#70
1,2,4-trichlorobenzene
Concen: 0.21 ug/L
RT: 13.273 min Scan# 3789
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59

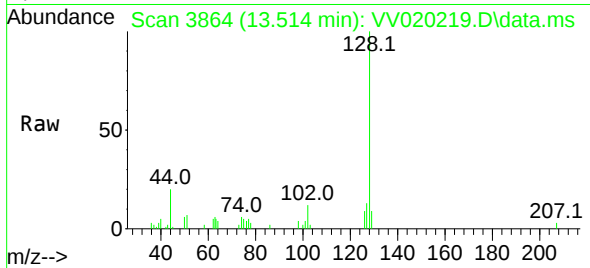


Tgt Ion:180 Resp: 10680
Ion Ratio Lower Upper
180 100
182 103.7 75.9 113.9
145 29.2 26.6 39.8

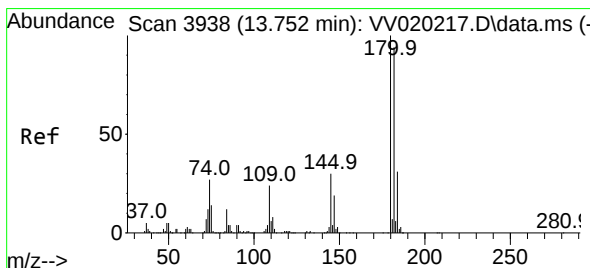
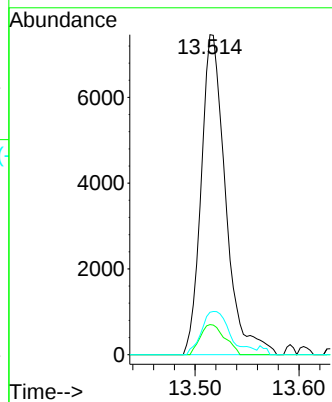
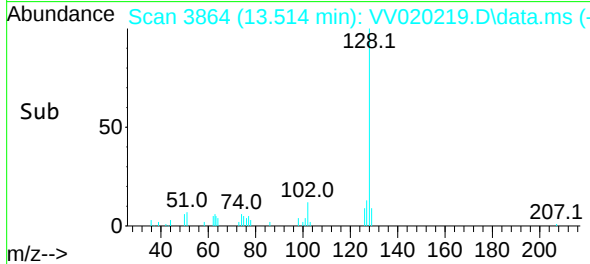




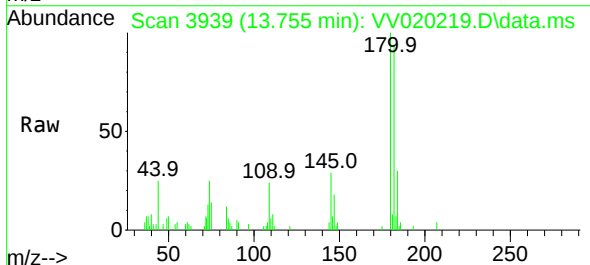
#71
Naphthalene
Concen: 0.18 ug/L
RT: 13.514 min Scan# 3864
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



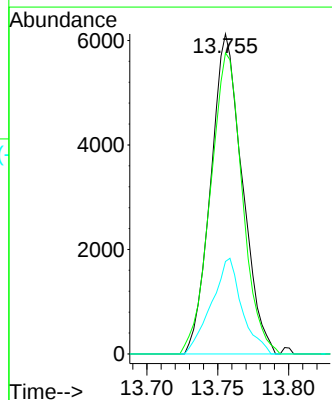
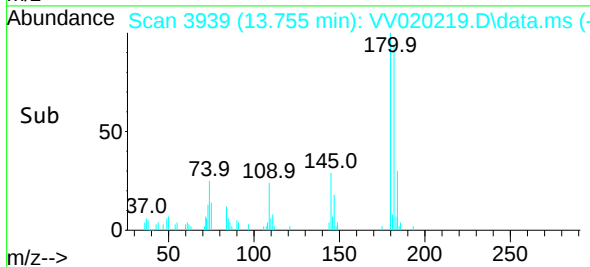
Tgt Ion:128 Resp: 12186
Ion Ratio Lower Upper
128 100
129 9.4 8.5 12.7
127 15.9 10.2 15.4#



#72
1,2,3-Trichlorobenzene
Concen: 0.21 ug/L
RT: 13.755 min Scan# 3939
Delta R.T. 0.003 min
Lab File: VV020219.D
Acq: 29 Jan 2021 10:59



Tgt Ion:180 Resp: 9483
Ion Ratio Lower Upper
180 100
182 95.2 74.6 112.0
145 28.9 28.8 43.2



Instrument :
MSVOA_V
ClientSampleId :
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