

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092721\
 Data File : VD070477.D
 Acq On : 27 Sep 2021 14:59
 Operator : VA/SY
 Sample : M3908-04
 Misc : 5.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SUP-UST-05-(23-25)

Quant Time: Sep 28 04:13:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 09 03:07:09 2021
 Response via : Initial Calibration

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

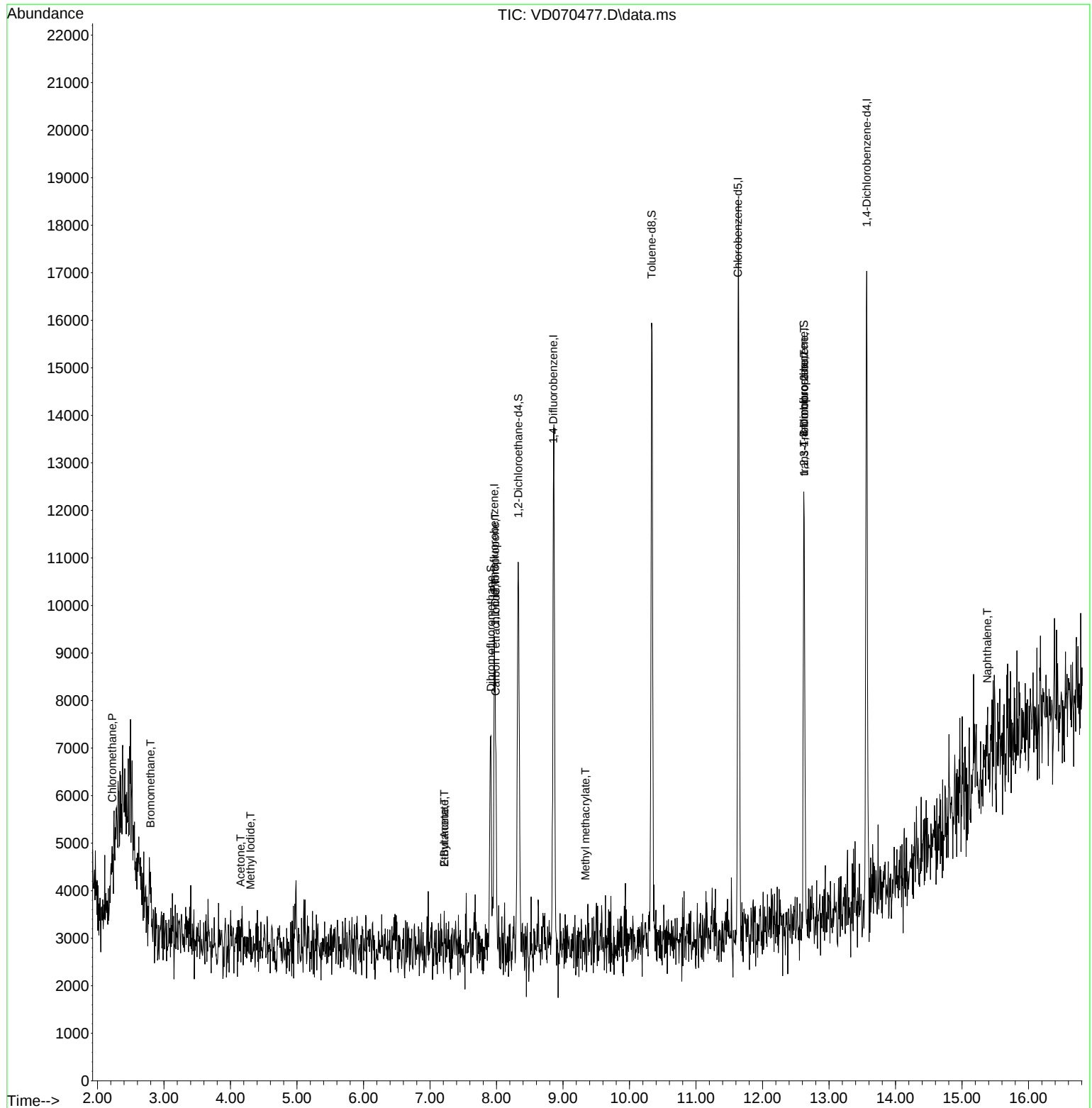
Internal Standards						
1) Pentafluorobenzene	7.967	168	5182	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.856	114	9960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	9660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	6260	94.082	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	188.160%#
35) Dibromofluoromethane	7.914	113	3091	43.599	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.200%
50) Toluene-d8	10.332	98	9643	37.462	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	74.920%
62) 4-Bromofluorobenzene	12.620	95	3827	42.541	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.080%
Target Compounds						
						Qvalue
3) Chloromethane	2.221	50	583	4.646	ug/l #	42
5) Bromomethane	2.797	94	1176	20.703	ug/l #	55
10) Methyl Iodide	4.303	142	322	5.947	ug/l #	39
16) Acetone	4.150	43	146	12.290	ug/l #	36
25) 2-Butanone	7.215	43	71	4.490	ug/l #	47
36) 1,1-Dichloropropene	7.979	75	550	5.166	ug/l #	41
37) Ethyl Acetate	7.215	43	71	1.784	ug/l #	65
38) Carbon Tetrachloride	7.985	117	667	6.335	ug/l #	12
48) Methyl methacrylate	9.338	41	66	1.942	ug/l #	10
76) 1,2,3-Trichloropropane	12.626	75	1978	44.954	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	1978	112.636	ug/l #	17
95) Naphthalene	15.379	128	149	1.174	ug/l #	69

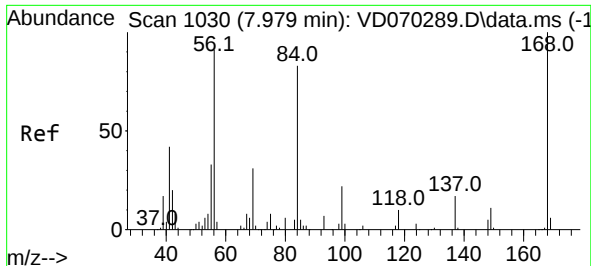
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SUP-UST-05-(23-25)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
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QLast Update : Thu Sep 09 03:07:09 2021
Response via : Initial Calibration

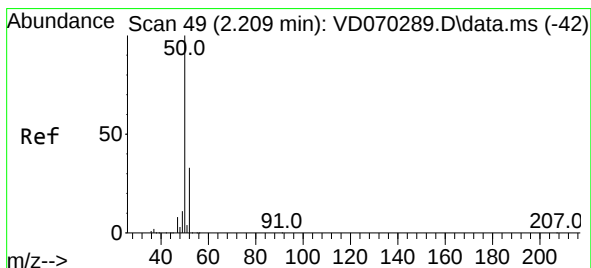
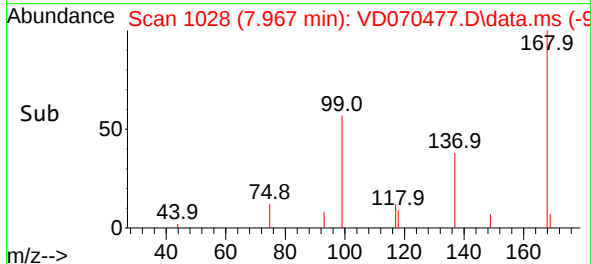
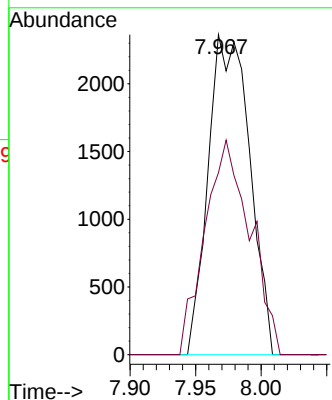
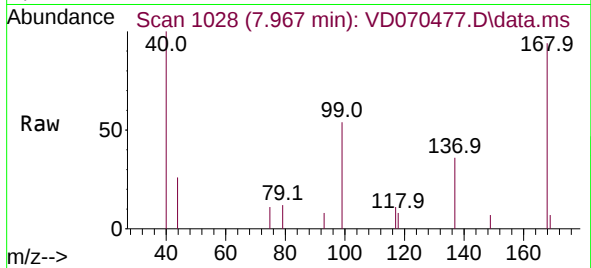




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

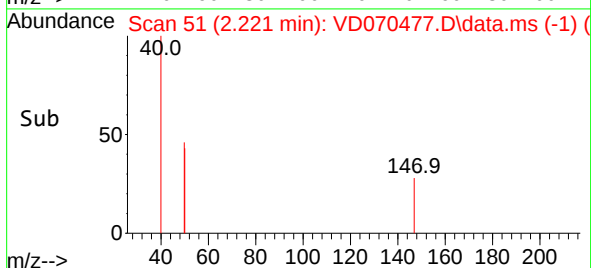
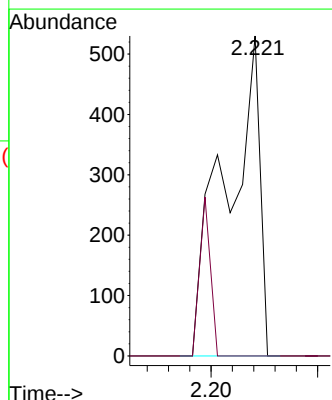
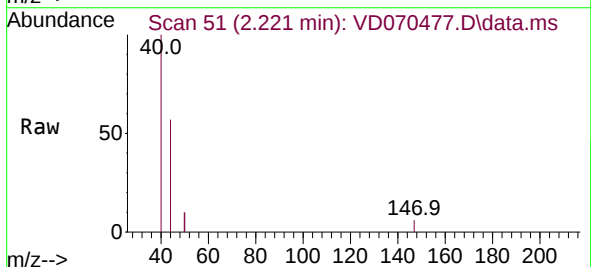
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

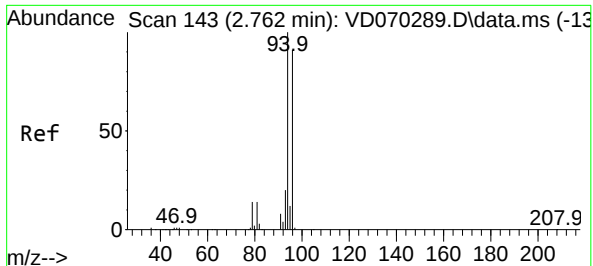
Tgt Ion:168 Resp: 5182
Ion Ratio Lower Upper
168 100
99 56.8 50.8 76.2



#3
Chloromethane
Concen: 4.646 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 50 Resp: 583
Ion Ratio Lower Upper
50 100
52 0.0 26.2 39.2#

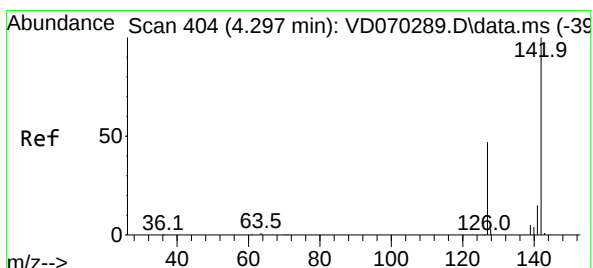
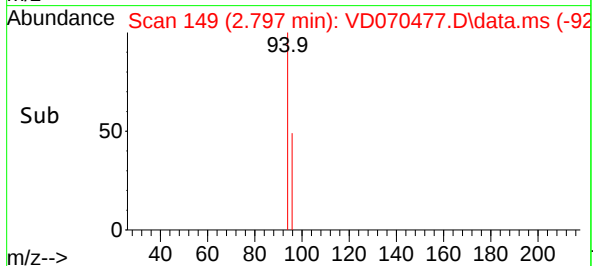
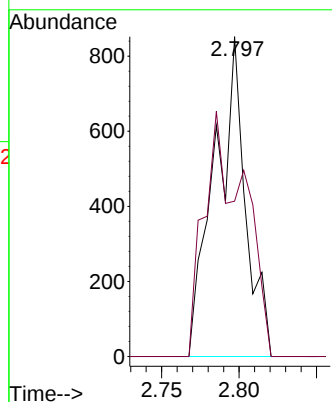
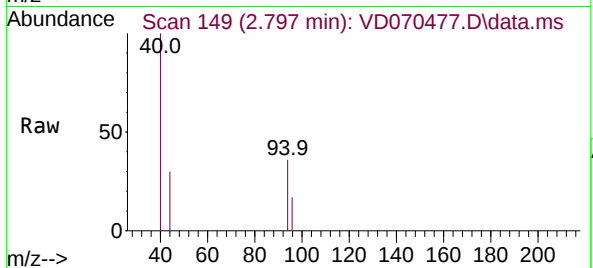




#5
Bromomethane
Concen: 20.703 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

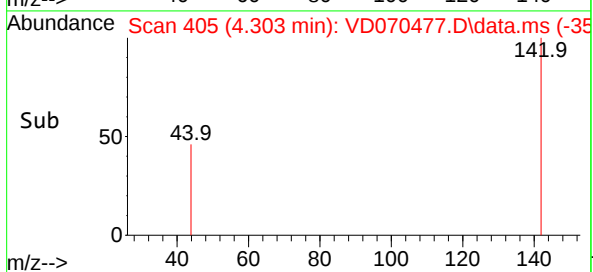
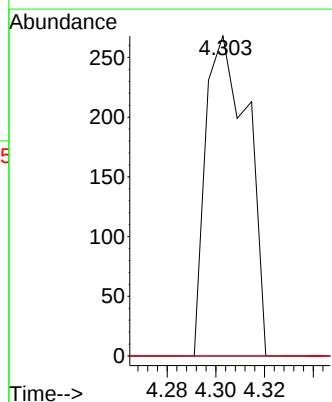
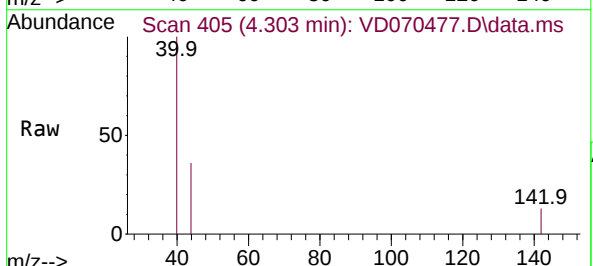
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

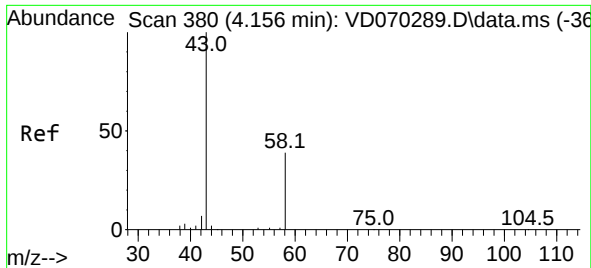
Tgt Ion: 94 Resp: 1176
Ion Ratio Lower Upper
94 100
96 48.6 73.0 109.6#



#10
Methyl Iodide
Concen: 5.947 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 142 Resp: 322
Ion Ratio Lower Upper
142 100
127 0.0 36.9 55.3#
141 0.0 11.8 17.6#

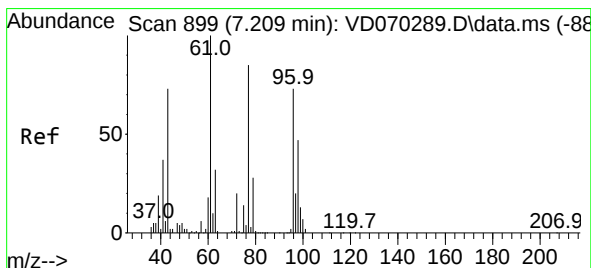
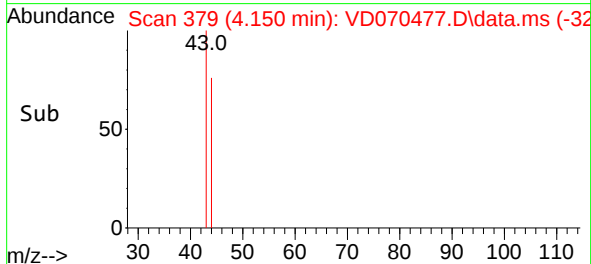
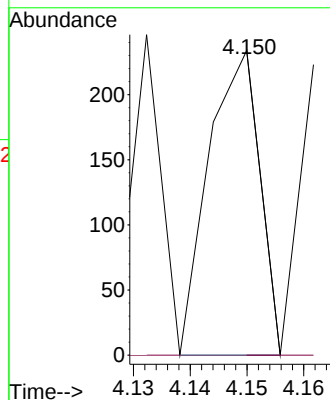
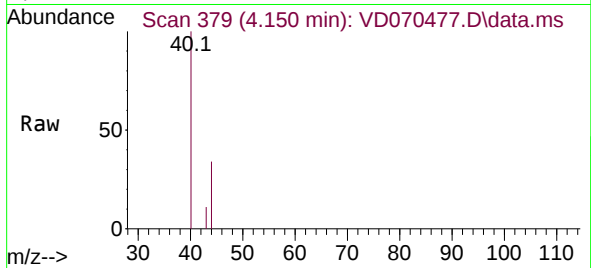




#16
Acetone
Concen: 12.290 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

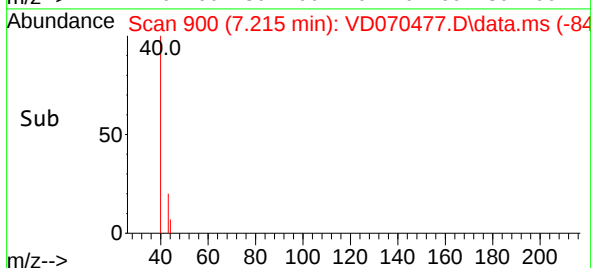
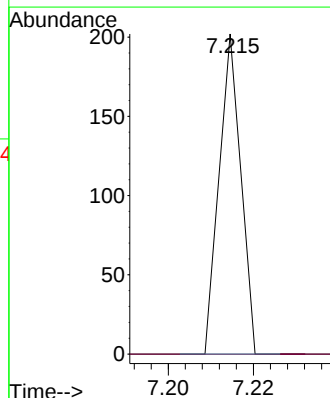
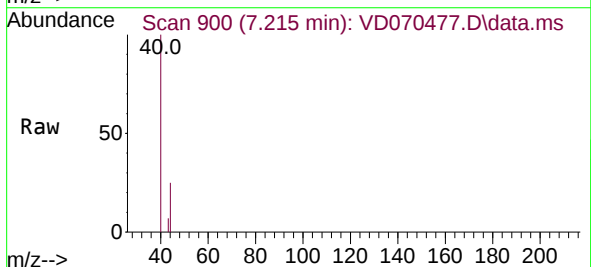
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

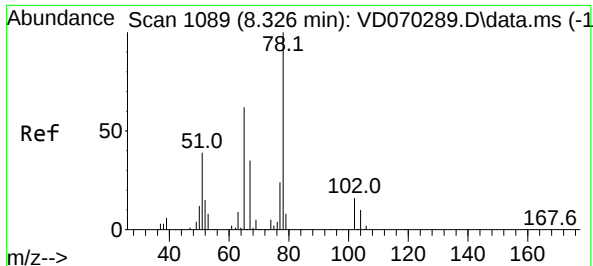
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#25
2-Butanone
Concen: 4.490 ug/l
RT: 7.215 min Scan# 900
Delta R.T. 0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
72 0.0 22.2 33.4#

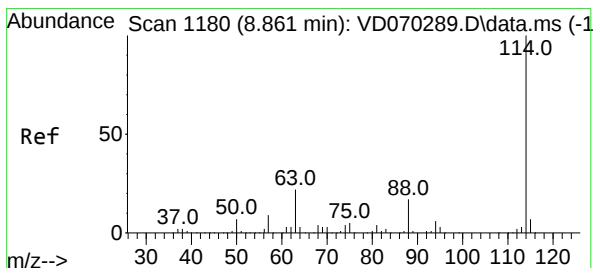
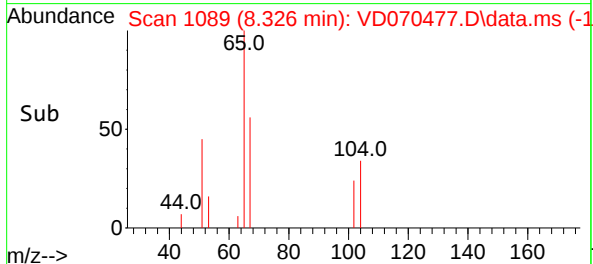
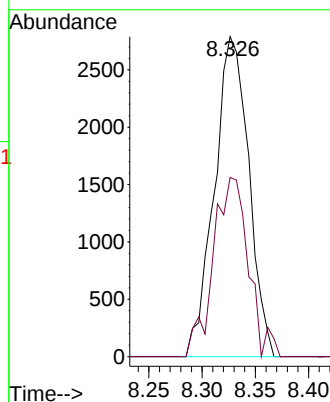
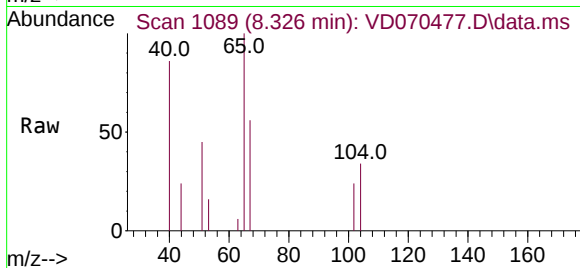




#33
1,2-Dichloroethane-d4
Concen: 94.082 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

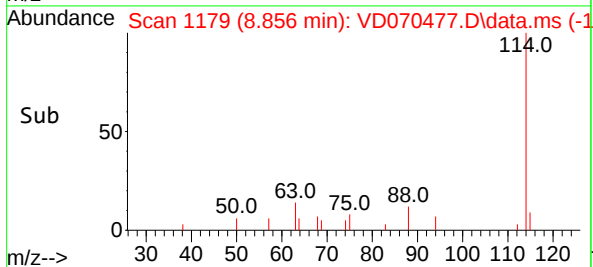
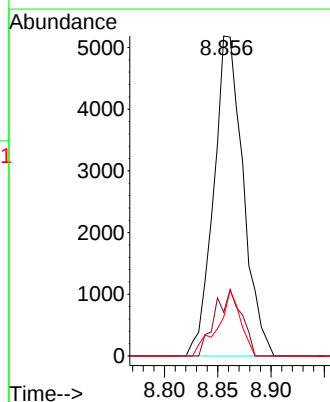
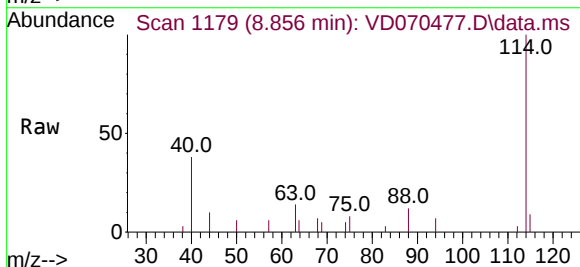
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

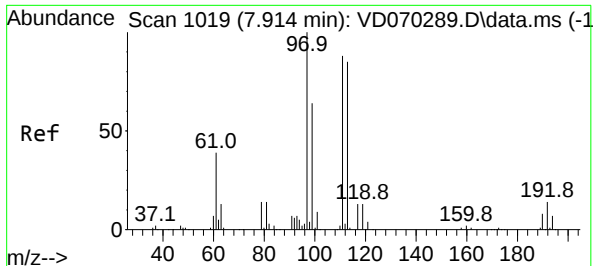
Tgt Ion: 65 Resp: 6260
Ion Ratio Lower Upper
65 100
67 57.3 0.0 111.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 114 Resp: 9960
Ion Ratio Lower Upper
114 100
63 13.7 0.0 43.4
88 12.1 0.0 33.4





#35

Dibromofluoromethane

Concen: 43.599 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070477.D

Acq: 27 Sep 2021 14:59

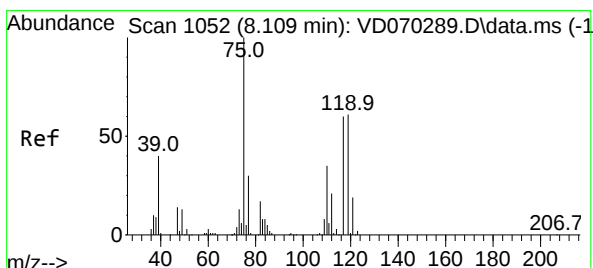
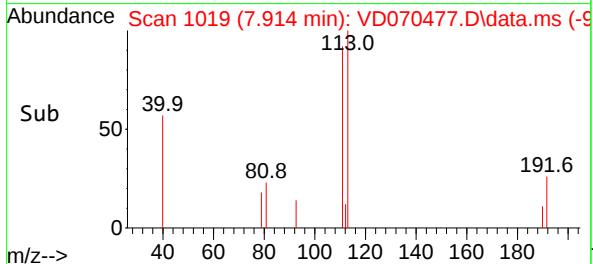
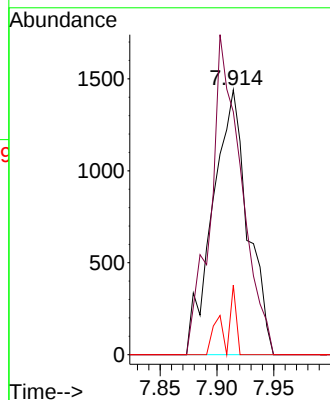
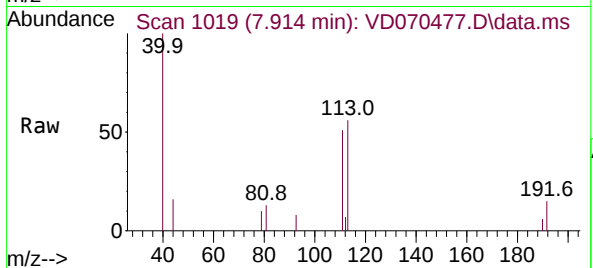
Tgt Ion:	113	Resp:	3091
Ion	Ratio	Lower	Upper
113	100		
111	106.1	81.4	122.2
192	4.2	13.0	19.6#

Instrument :

MSVOA_D

ClientSampleId :

SUP-UST-05-(23-25)



#36

1,1-Dichloropropene

Concen: 5.166 ug/l

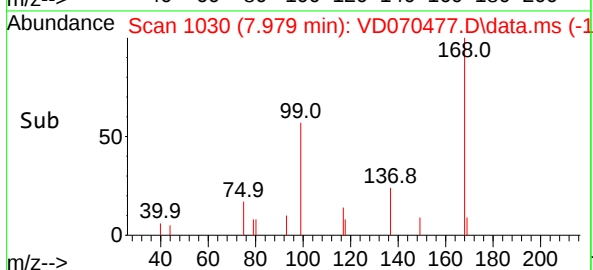
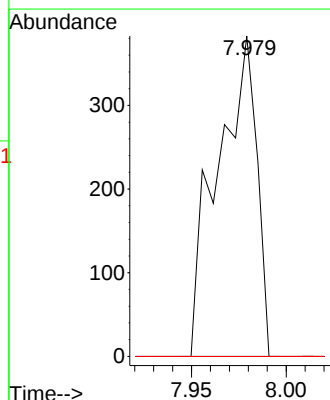
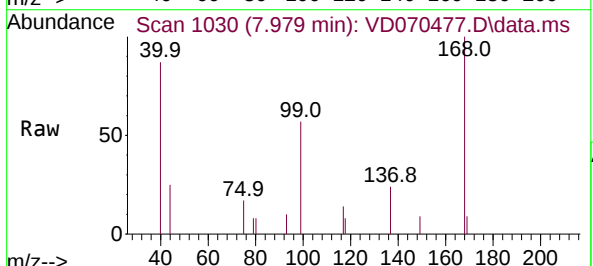
RT: 7.979 min Scan# 1030

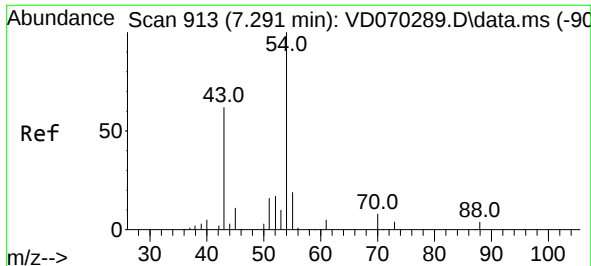
Delta R.T. -0.129 min

Lab File: VD070477.D

Acq: 27 Sep 2021 14:59

Tgt Ion:	75	Resp:	550
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.9	53.7#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 1.784 ug/l

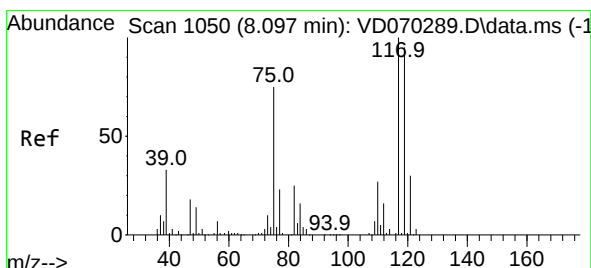
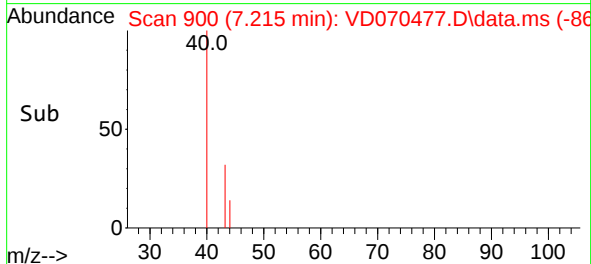
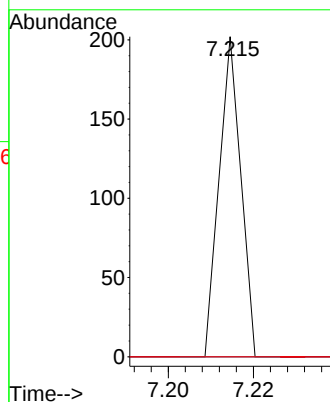
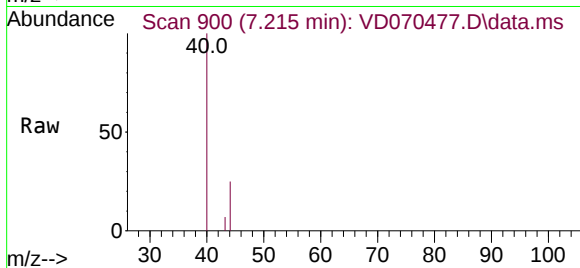
RT: 7.215 min Scan# 900

Delta R.T. -0.076 min

Lab File: VD070477.D

Acq: 27 Sep 2021 14:59

Tgt Ion: 43	Resp: 71
Ion Ratio	Lower Upper
43 100	
61 0.0	13.0 19.6#
70 0.0	9.8 14.6#



#38

Carbon Tetrachloride

Concen: 6.335 ug/l

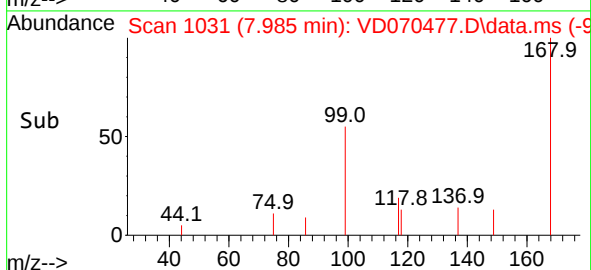
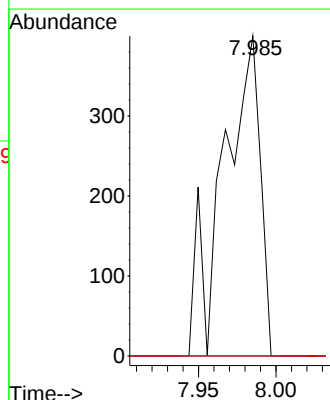
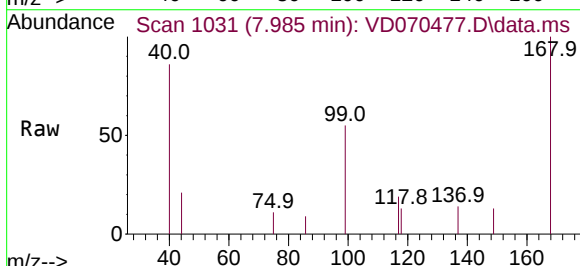
RT: 7.985 min Scan# 1031

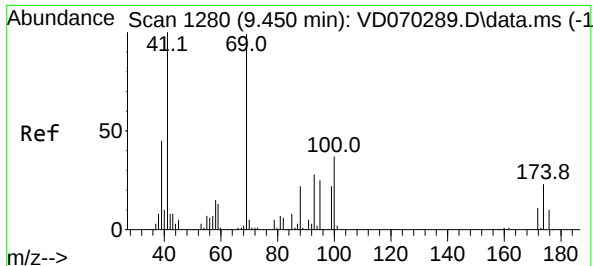
Delta R.T. -0.112 min

Lab File: VD070477.D

Acq: 27 Sep 2021 14:59

Tgt Ion: 117	Resp: 667
Ion Ratio	Lower Upper
117 100	
119 0.0	76.1 114.1#
121 0.0	23.8 35.6#





#48

Methyl methacrylate

Concen: 1.942 ug/l

RT: 9.338 min Scan# 1261

Delta R.T. -0.112 min

Lab File: VD070477.D

Acq: 27 Sep 2021 14:59

Tgt Ion: 41 Resp: 66

Ion Ratio Lower Upper

41 100

69 0.0 79.8 119.8#

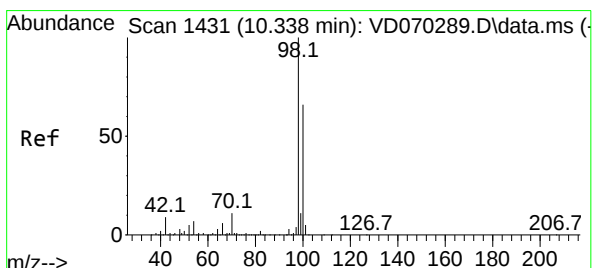
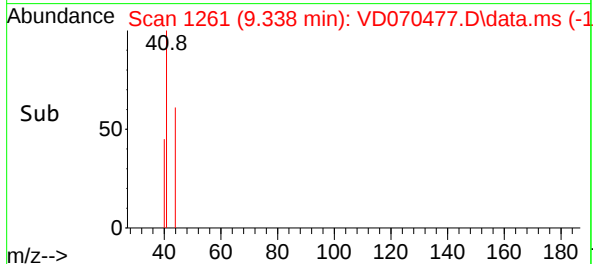
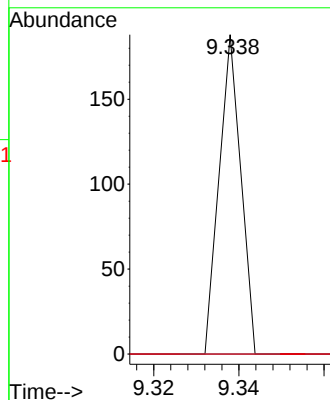
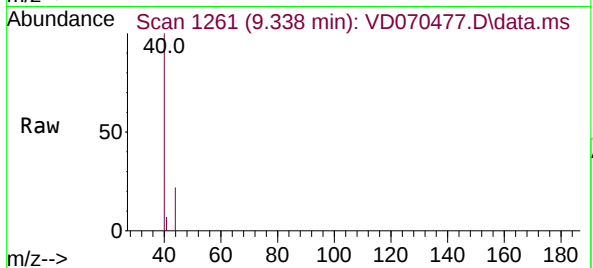
39 0.0 34.4 51.6#

Instrument :

MSVOA_D

ClientSampleId :

SUP-UST-05-(23-25)



#50

Toluene-d8

Concen: 37.462 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD070477.D

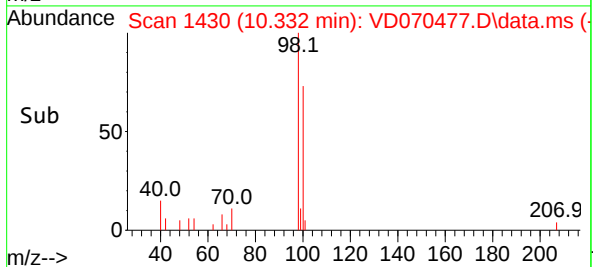
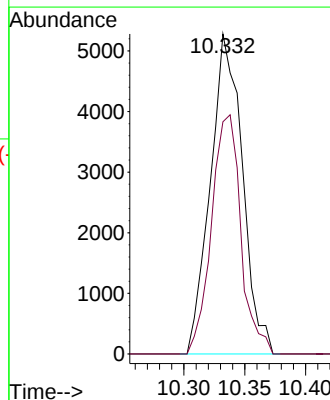
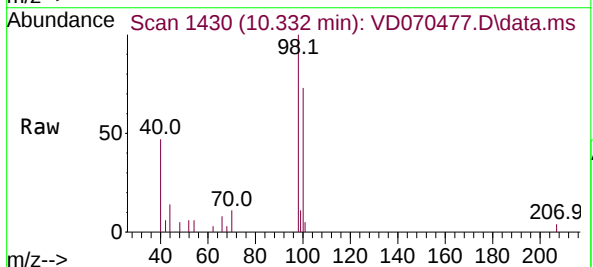
Acq: 27 Sep 2021 14:59

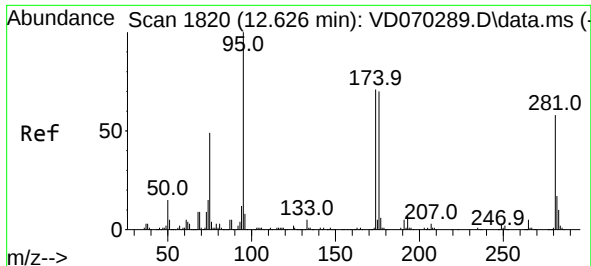
Tgt Ion: 98 Resp: 9643

Ion Ratio Lower Upper

98 100

100 68.5 52.0 78.0

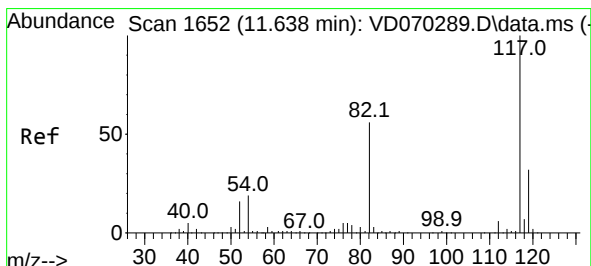
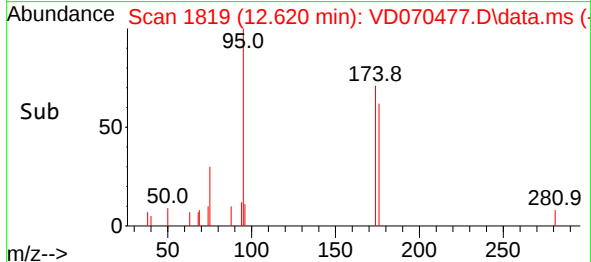
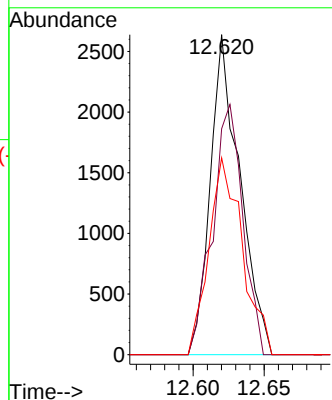
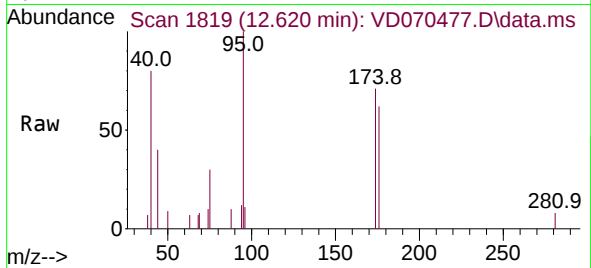




#62
4-Bromofluorobenzene
Concen: 42.541 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

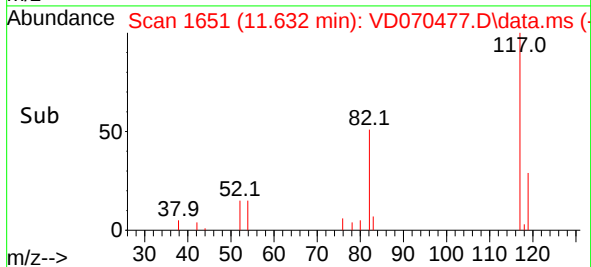
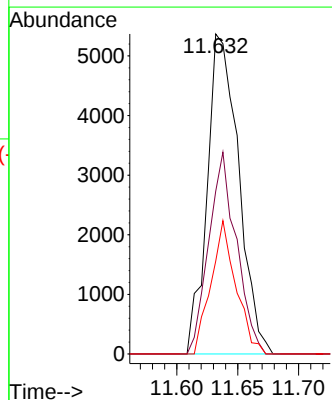
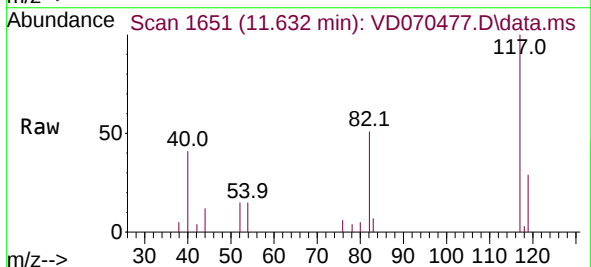
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

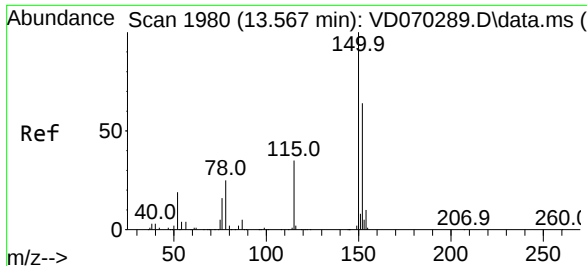
Tgt Ion: 95 Resp: 3827
Ion Ratio Lower Upper
95 100
174 80.1 0.0 140.6
176 69.5 0.0 137.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 117 Resp: 9660
Ion Ratio Lower Upper
117 100
82 50.8 45.0 67.4
119 29.0 25.2 37.8

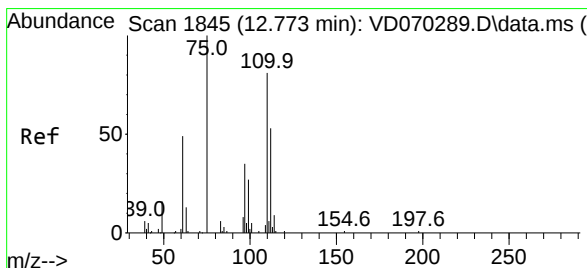
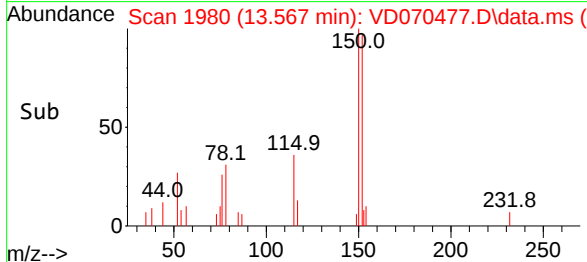
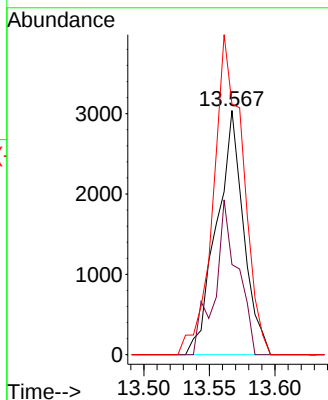
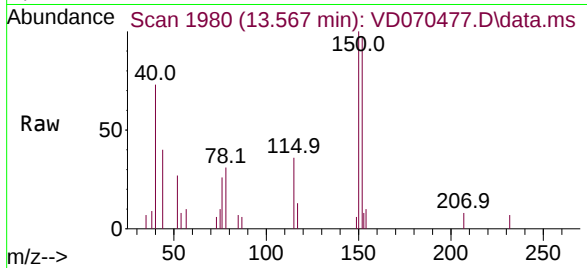




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

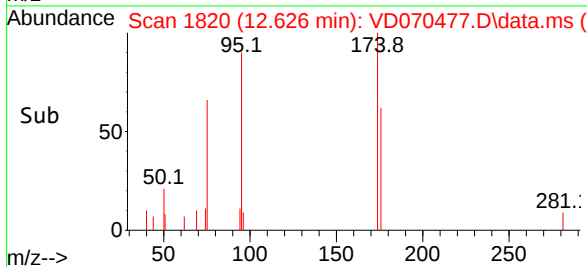
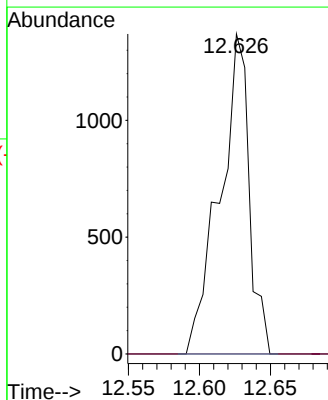
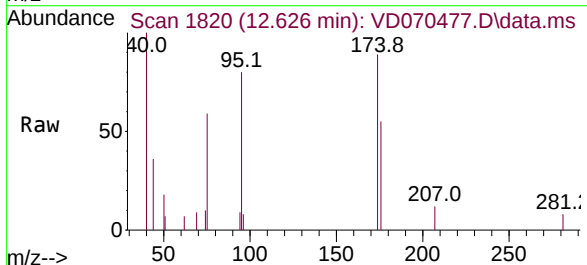
Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

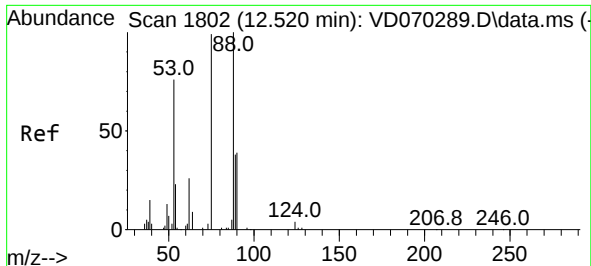
Tgt Ion:152 Resp: 4350
Ion Ratio Lower Upper
152 100
115 53.5 32.1 96.3
150 143.2 0.0 350.6



#76
1,2,3-Trichloropropane
Concen: 44.954 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion: 75 Resp: 1978
Ion Ratio Lower Upper
75 100
77 0.0 174.9 524.7#

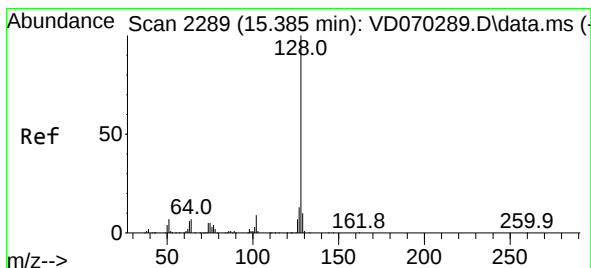
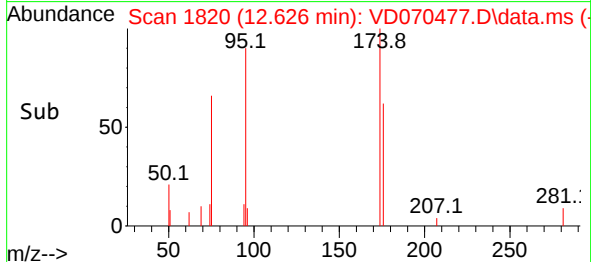
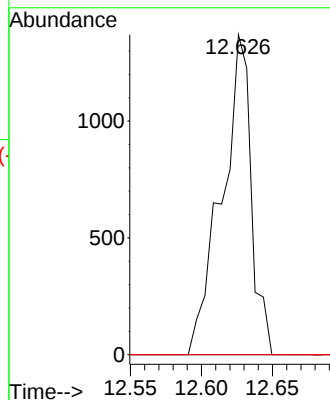
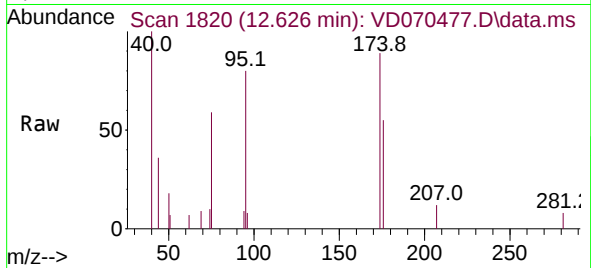




#81
trans-1,4-Dichloro-2-butene
Concen: 112.636 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :
SUP-UST-05-(23-25)

Tgt Ion: 75 Resp: 1978
Ion Ratio Lower Upper
75 100
53 0.0 64.2 96.2#
89 0.0 35.6 53.4#



#95
Naphthalene
Concen: 1.174 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070477.D
Acq: 27 Sep 2021 14:59

Tgt Ion:128 Resp: 149
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 9.0 13.4#

