

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070229.D
 Acq On : 23 Aug 2021 19:13
 Operator : VA/SY
 Sample : M3510-03
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-082021

Quant Time: Aug 24 01:32:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

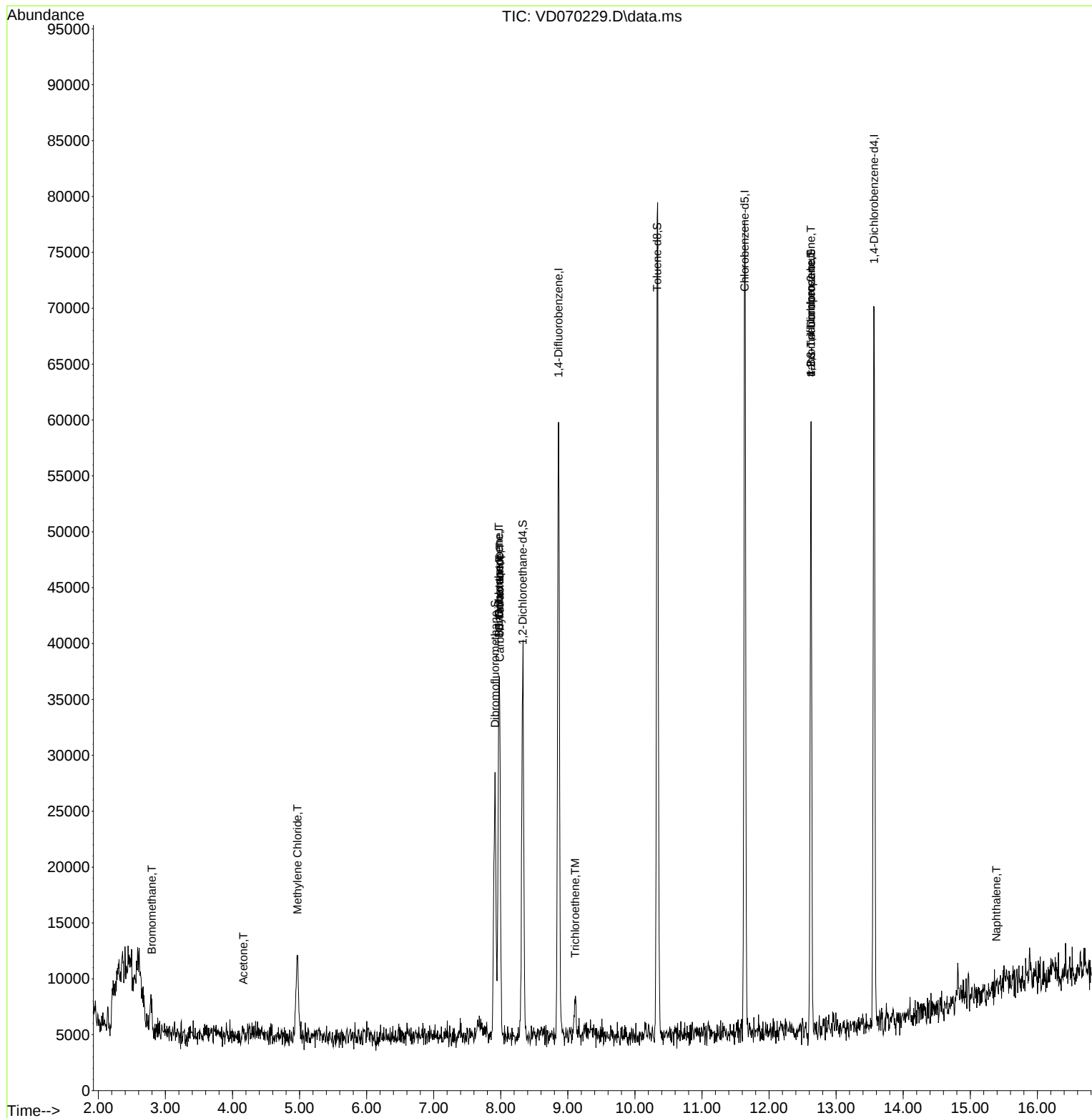
Internal Standards						
1) Pentafluorobenzene	7.973	168	25133	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	48765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	44222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	18768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	25396	85.912	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 171.820%#			
35) Dibromofluoromethane	7.914	113	17095	54.261	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.520%			
50) Toluene-d8	10.332	98	51858	42.320	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 84.640%			
62) 4-Bromofluorobenzene	12.626	95	18304	45.351	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 90.700%			
Target Compounds						
2) Dichlorodifluoromethane	1.991	85	55	Below Cal	#	42
3) Chloromethane	2.203	50	759	Below Cal	#	80
5) Bromomethane	2.797	94	1933	4.379	ug/l	92
16) Acetone	4.162	43	699	12.836	ug/l	# 41
20) Methylene Chloride	4.967	84	5594	8.270	ug/l	# 77
31) Cyclohexane	7.979	56	641	1.096	ug/l	# 61
36) 1,1-Dichloropropene	7.973	75	2311	4.405	ug/l	# 42
38) Carbon Tetrachloride	7.985	117	1263	2.652	ug/l	# 10
44) Trichloroethene	9.108	130	1263	3.436	ug/l	97
76) 1,2,3-Trichloropropane	12.626	75	8441	44.349	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.626	75	8441	115.112	ug/l	# 17
95) Naphthalene	15.390	128	600	1.072	ug/l	# 82

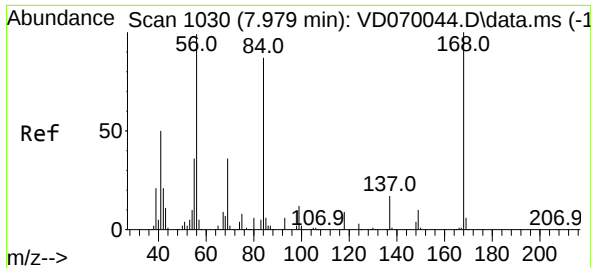
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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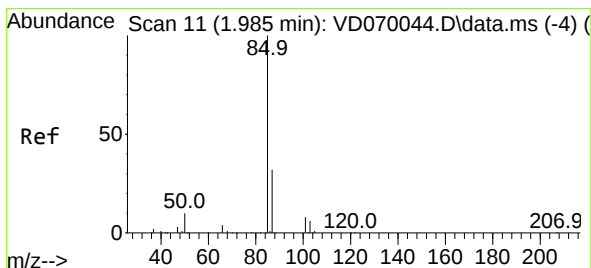
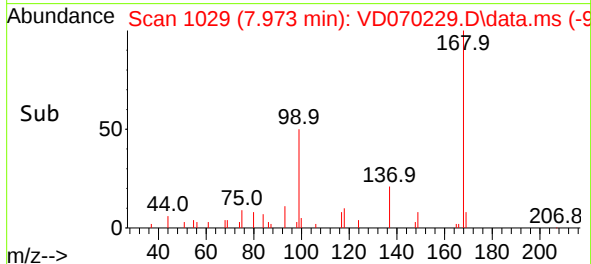
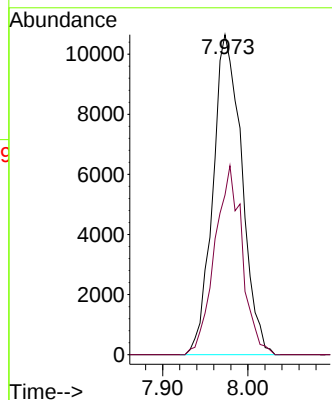
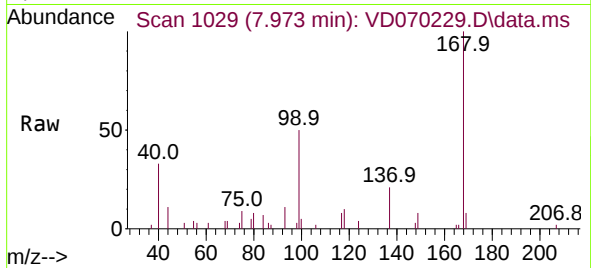




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

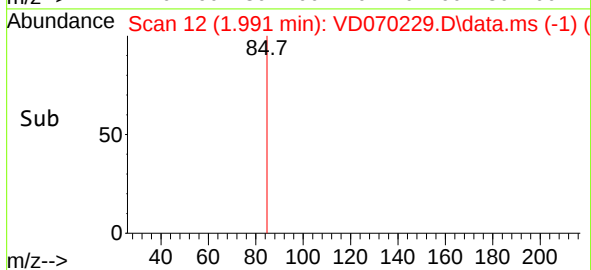
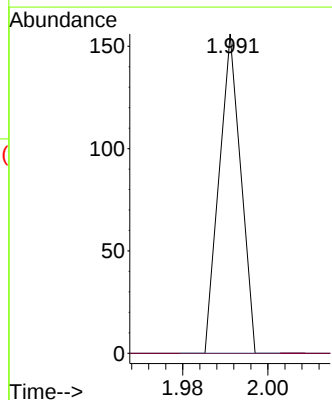
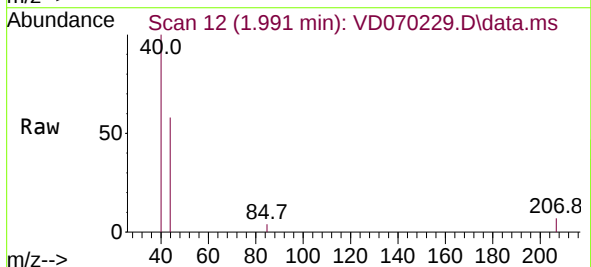
Instrument :
MSVOA_D
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SU-03-082021

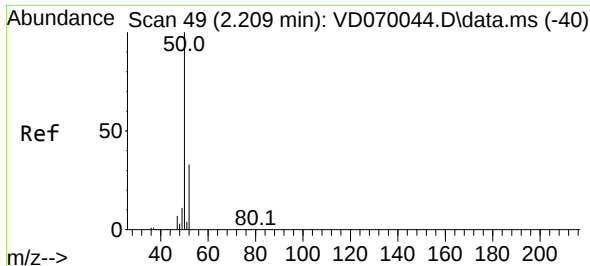
Tgt Ion:168 Resp: 25133
Ion Ratio Lower Upper
168 100
99 49.9 50.3 75.5#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 85 Resp: 55
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

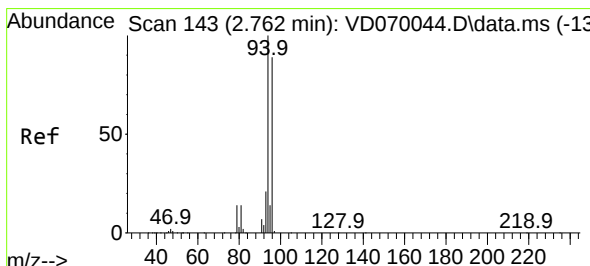
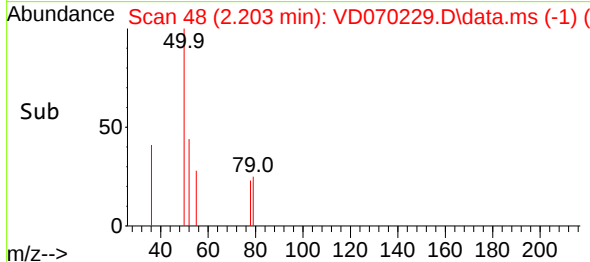
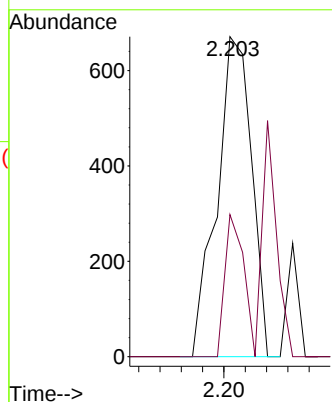
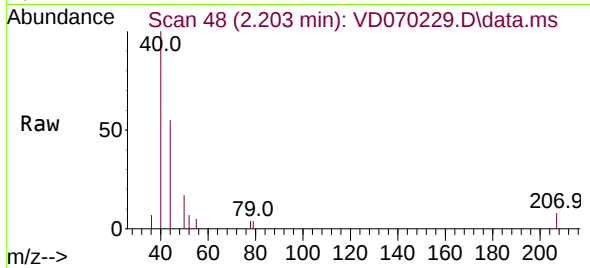




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

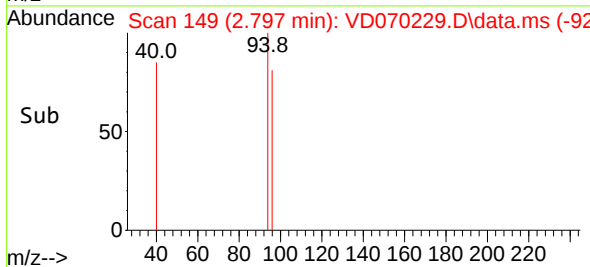
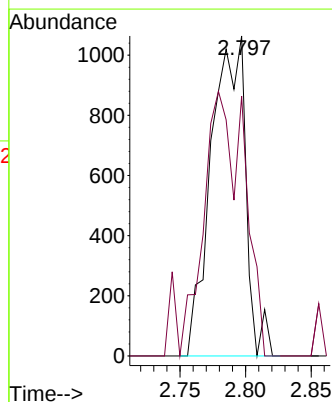
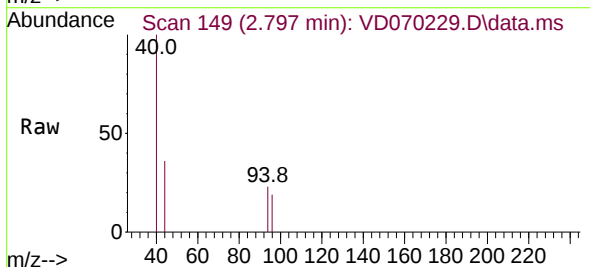
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021

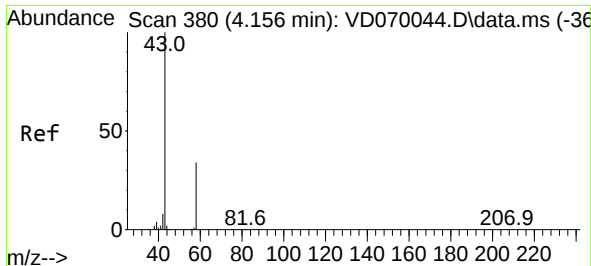
Tgt Ion: 50 Resp: 759
Ion Ratio Lower Upper
50 100
52 44.4 26.3 39.5#



#5
Bromomethane
Concen: 4.379 ug/l
RT: 2.797 min Scan# 149
Delta R.T. 0.035 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 94 Resp: 1933
Ion Ratio Lower Upper
94 100
96 81.2 70.9 106.3

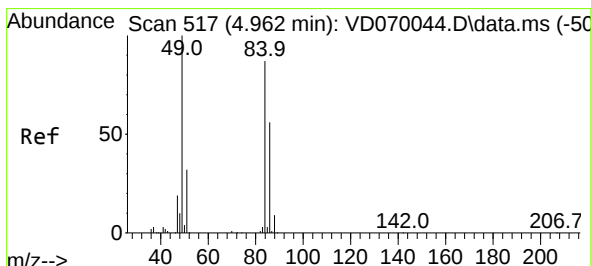
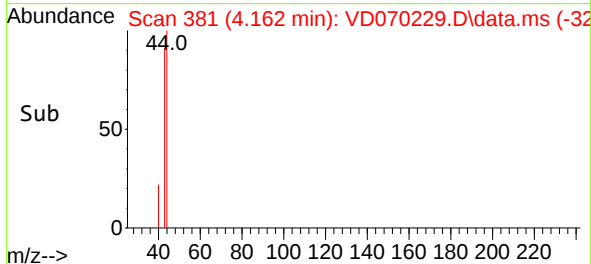
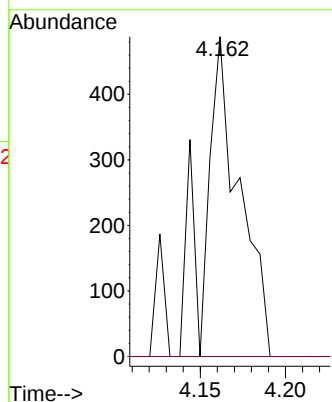
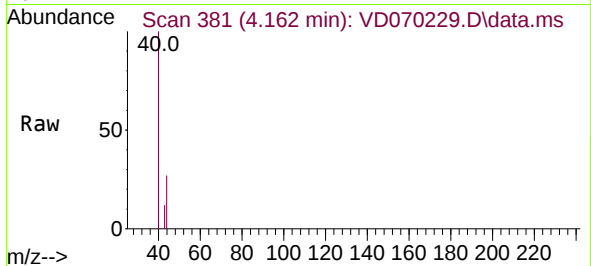




#16
Acetone
Concen: 12.836 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

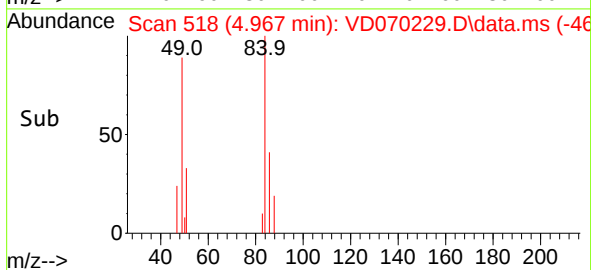
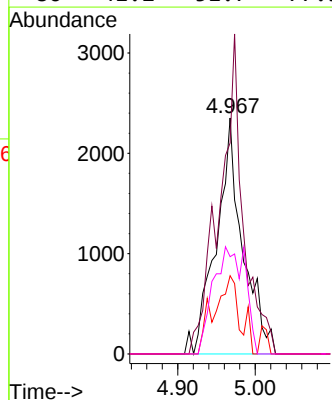
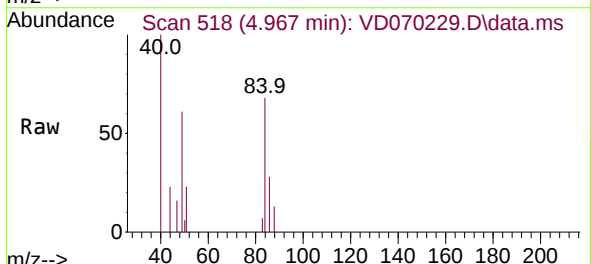
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021

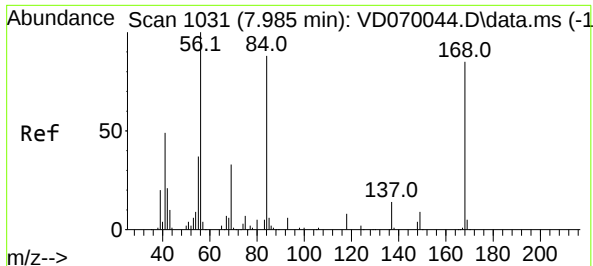
Tgt Ion: 43 Resp: 699
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: 8.270 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

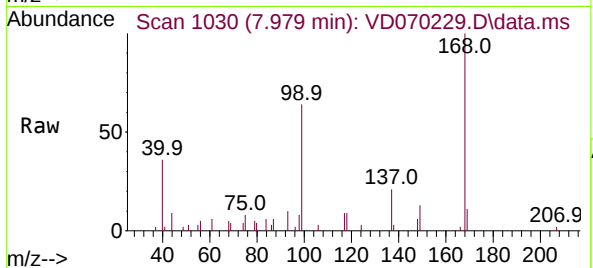
Tgt Ion: 84 Resp: 5594
Ion Ratio Lower Upper
84 100
49 89.4 92.5 138.7#
51 33.1 29.7 44.5
86 41.2 51.7 77.5#



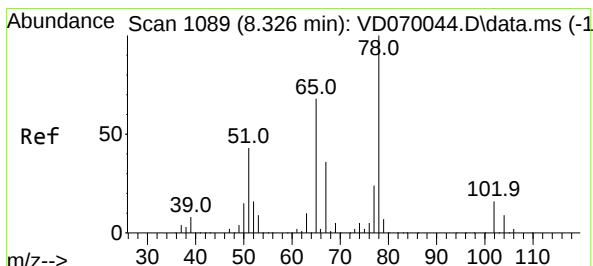
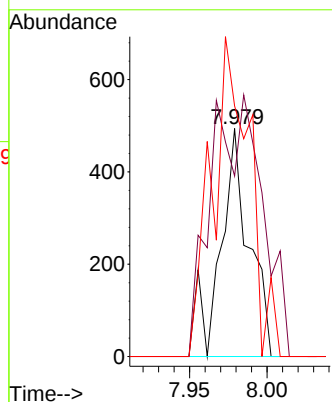
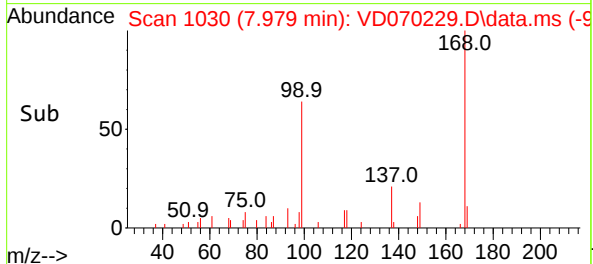


#31
Cyclohexane
Concen: 1.096 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

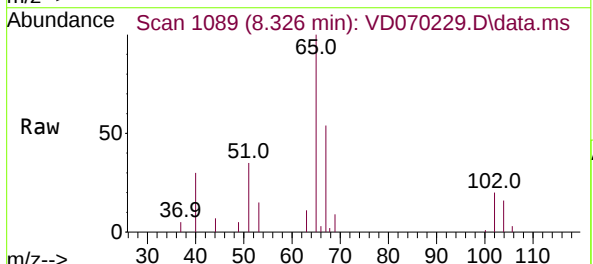
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021



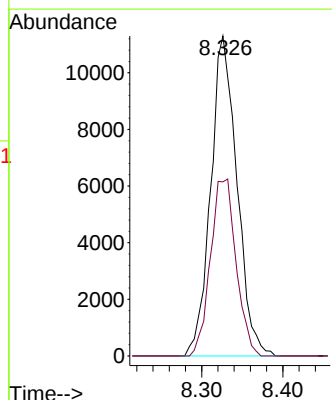
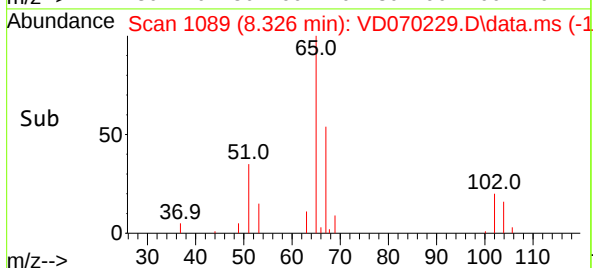
Tgt Ion: 56 Resp: 641
Ion Ratio Lower Upper
56 100
69 79.1 26.7 40.1#
84 109.9 70.4 105.6#

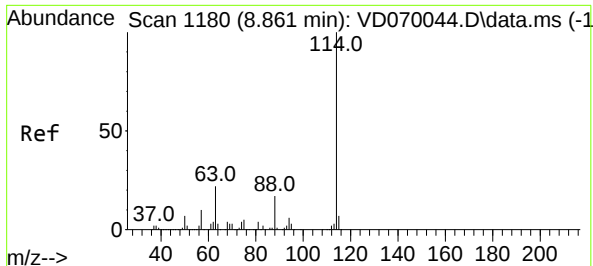


#33
1,2-Dichloroethane-d4
Concen: 85.912 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13



Tgt Ion: 65 Resp: 25396
Ion Ratio Lower Upper
65 100
67 54.0 0.0 107.8



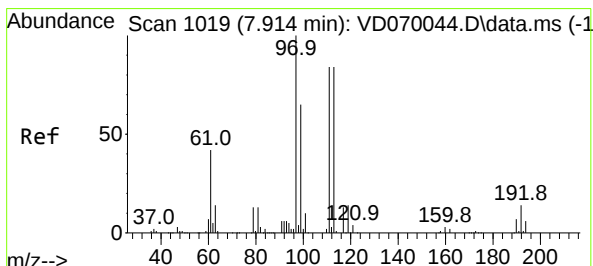
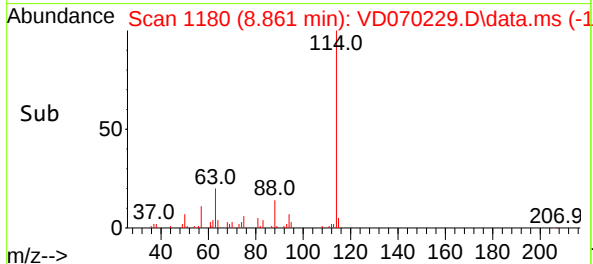
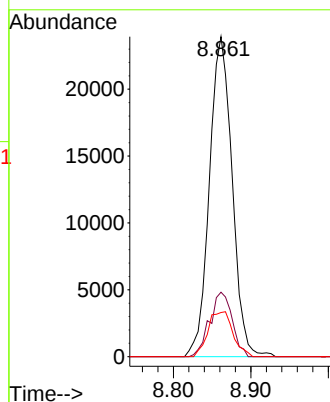
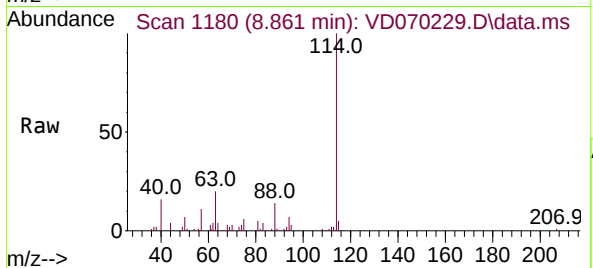


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021

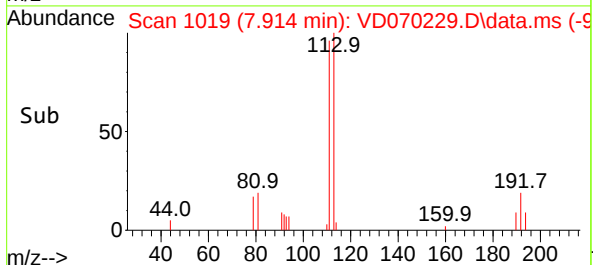
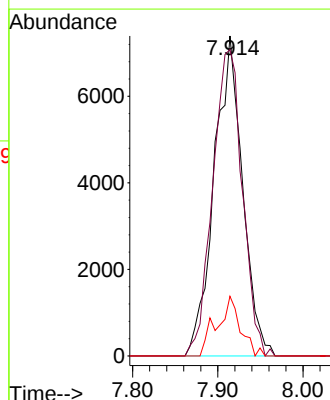
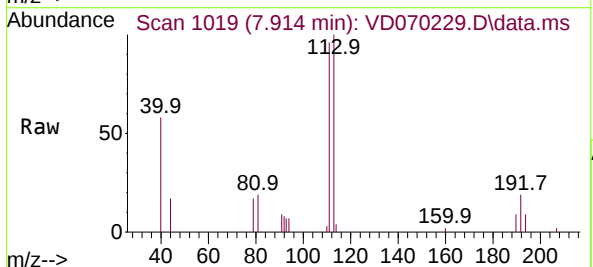
Tgt Ion:	114	Resp:	48765
Ion Ratio	Lower	Upper	
114	100		
63	20.2	0.0	43.6
88	13.8	0.0	33.4

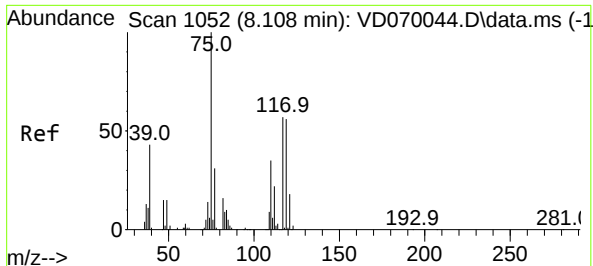


#35

Dibromofluoromethane
Concen: 54.261 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion:	113	Resp:	17095
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.8	122.6
192	15.4	13.2	19.8

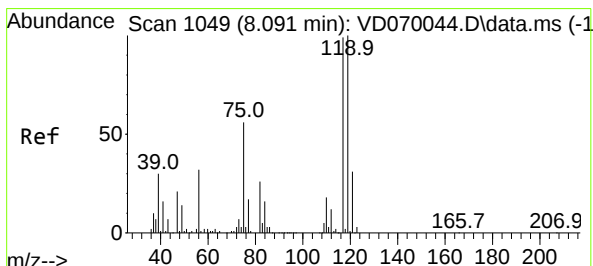
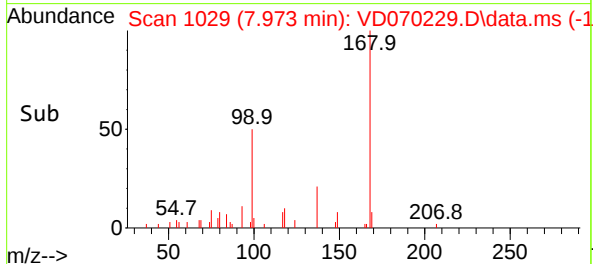
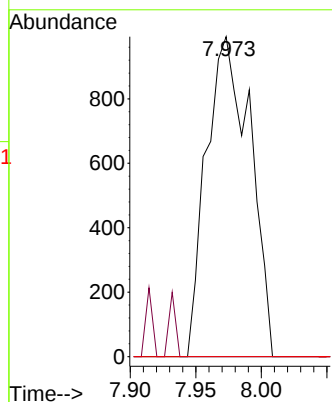
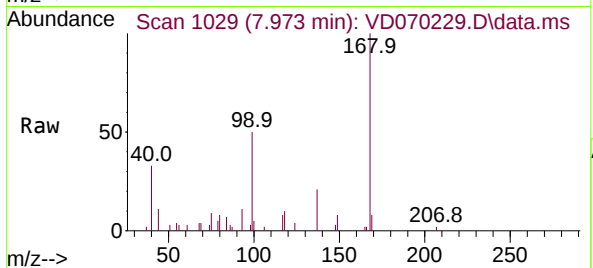




#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

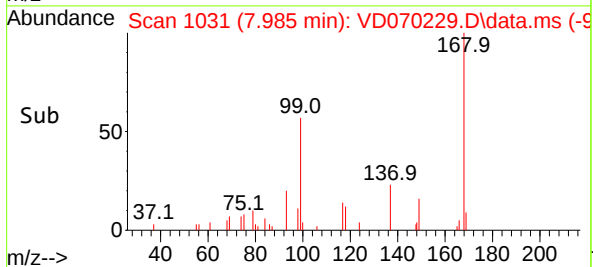
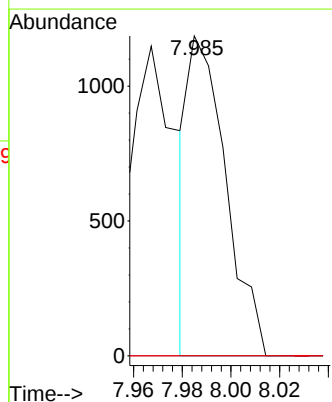
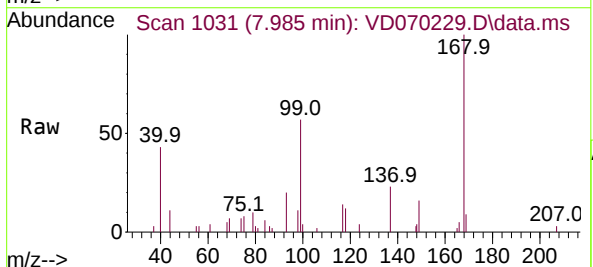
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MSVOA_D
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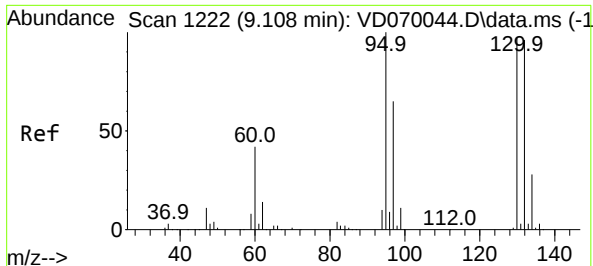
Tgt Ion: 75 Resp: 2311
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 2.652 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.106 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 117 Resp: 1263
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#

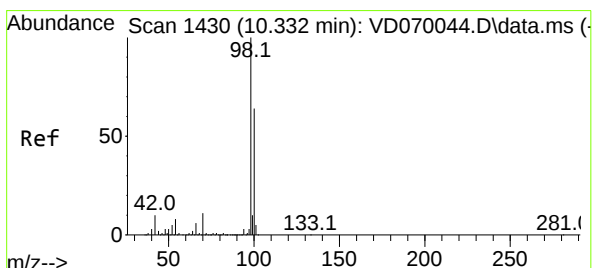
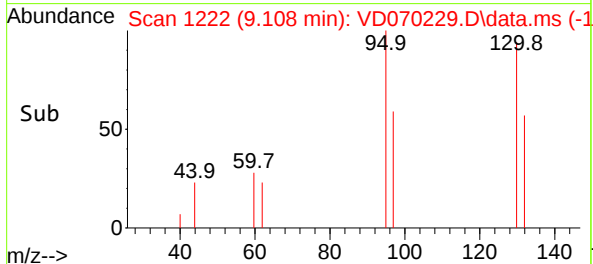
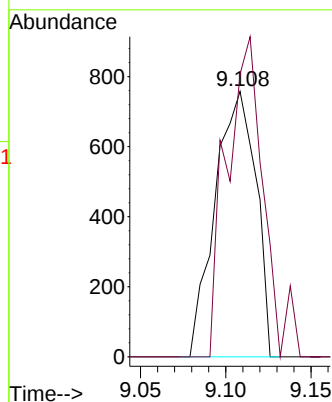
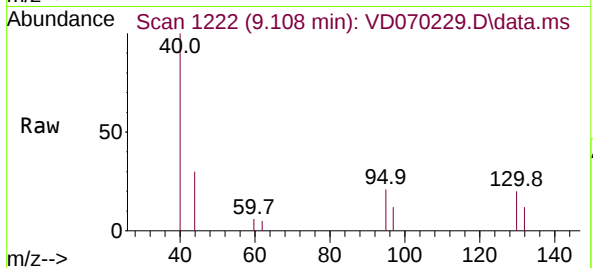




#44
Trichloroethene
Concen: 3.436 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

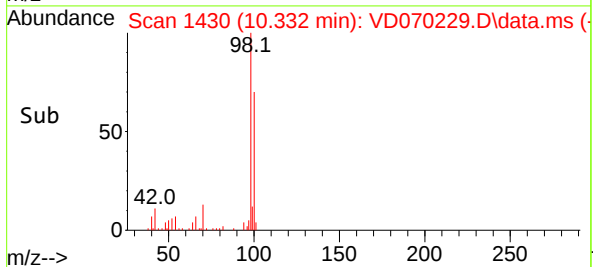
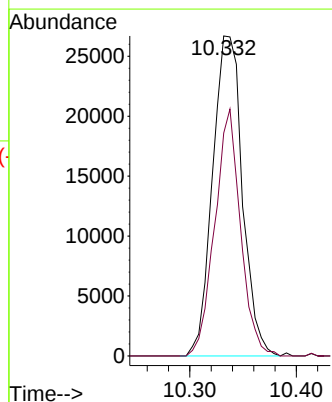
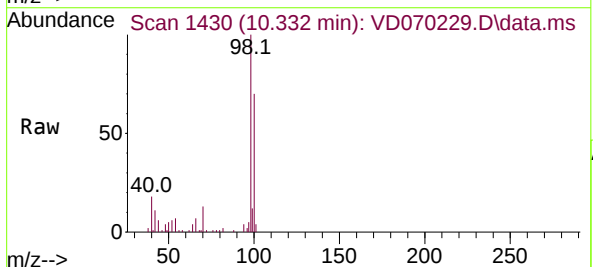
Instrument :
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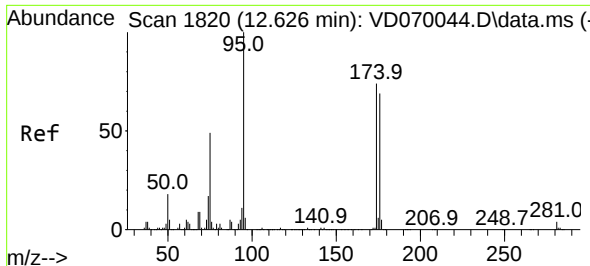
Tgt Ion:130 Resp: 1263
Ion Ratio Lower Upper
130 100
95 106.5 0.0 206.4



#50
Toluene-d8
Concen: 42.320 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion: 98 Resp: 51858
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

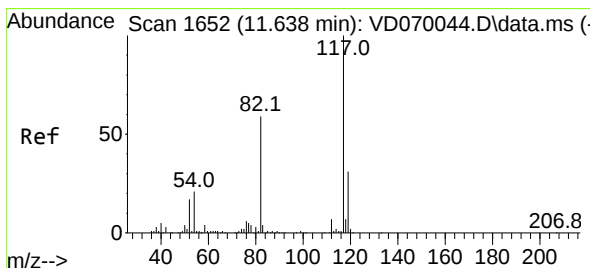
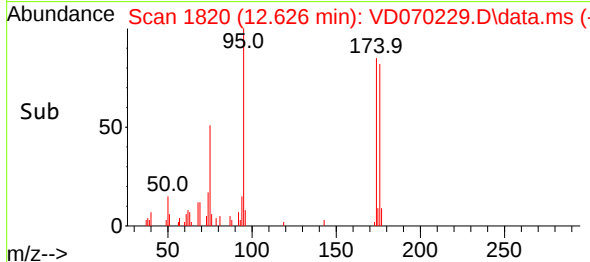
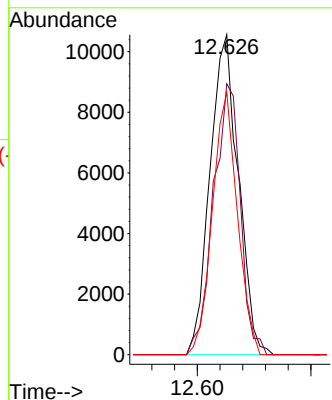
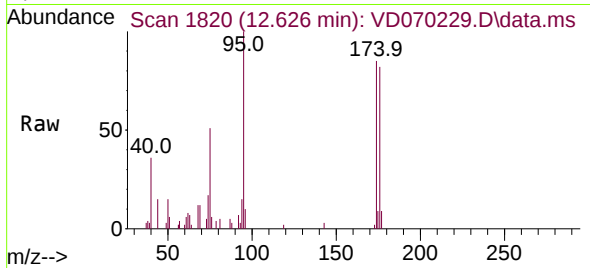




#62
4-Bromofluorobenzene
Concen: 45.351 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

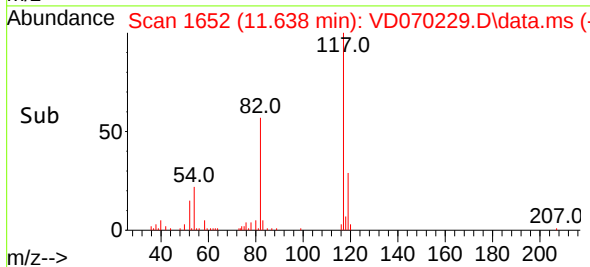
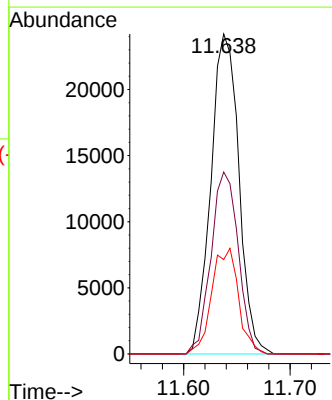
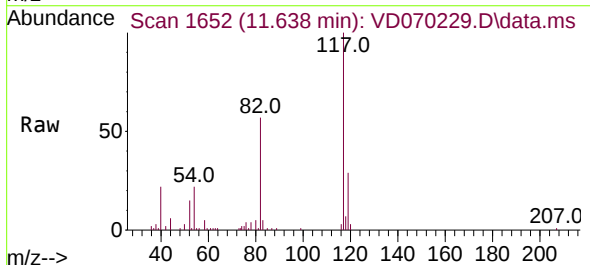
Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021

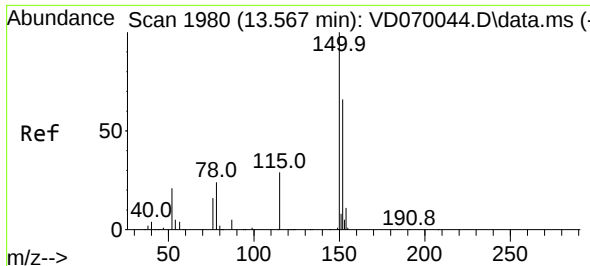
Tgt Ion:	95	Resp:	18304
Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	141.6
176	72.7	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion:	117	Resp:	44222
Ion	Ratio	Lower	Upper
117	100		
82	56.8	47.5	71.3
119	29.5	25.1	37.7

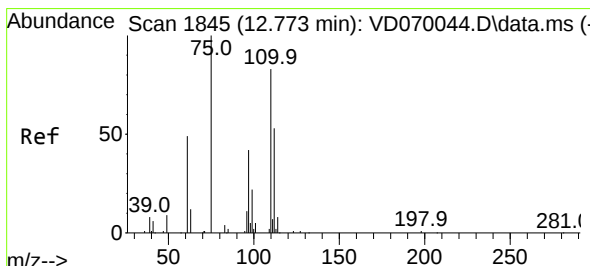
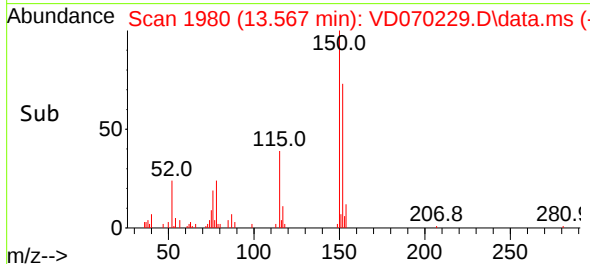
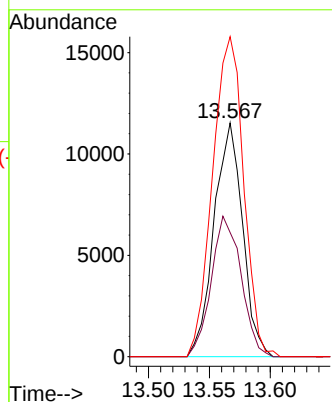
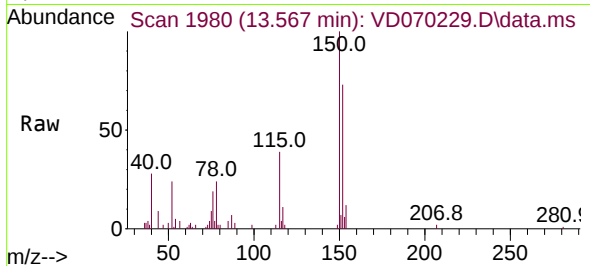




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070229.D
 Acq: 23 Aug 2021 19:13

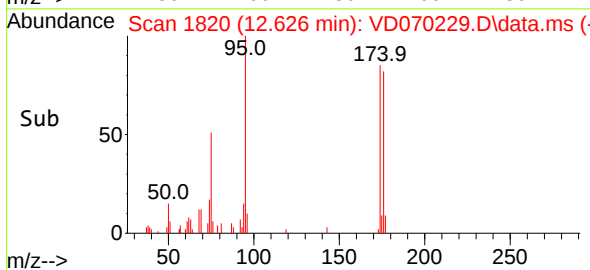
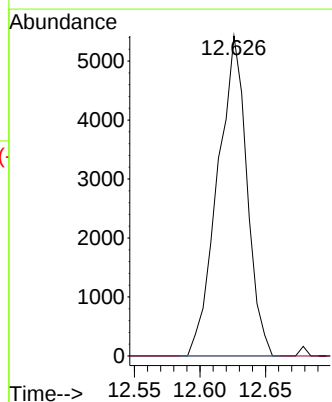
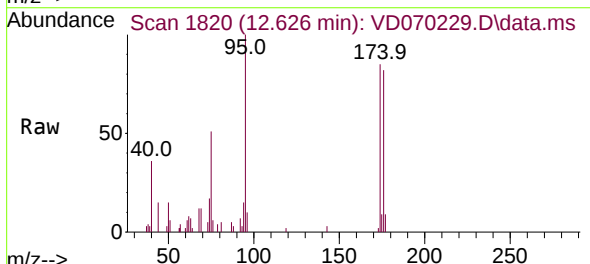
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-03-082021

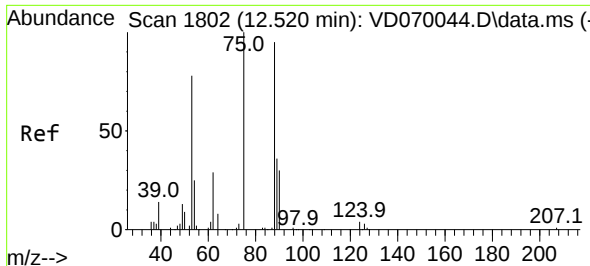
Tgt Ion:152 Resp: 18768
 Ion Ratio Lower Upper
 152 100
 115 62.9 31.2 93.6
 150 149.2 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 44.349 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070229.D
 Acq: 23 Aug 2021 19:13

Tgt Ion: 75 Resp: 8441
 Ion Ratio Lower Upper
 75 100
 77 0.0 182.4 547.2#

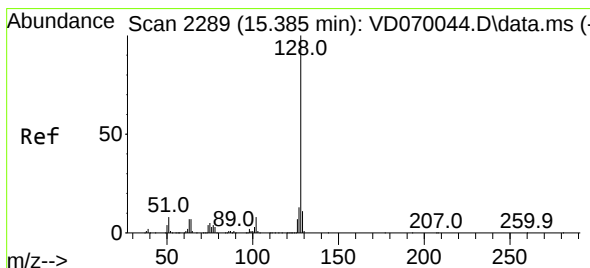
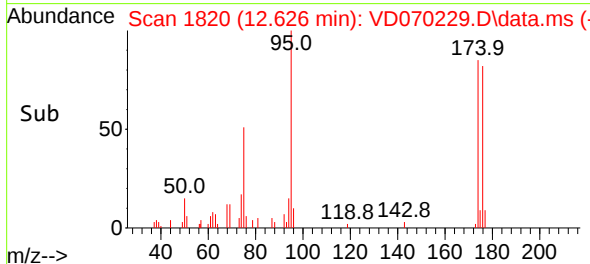
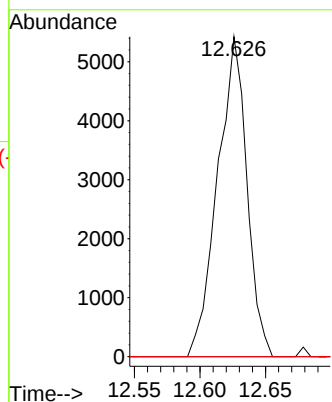
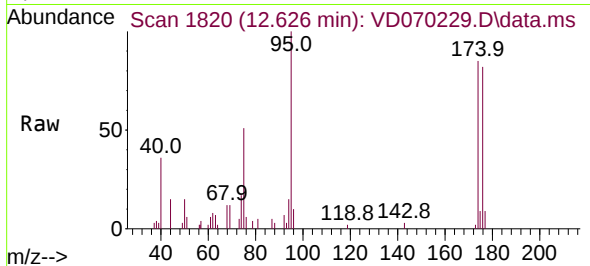




#81
trans-1,4-Dichloro-2-butene
Concen: 115.112 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Instrument :
MSVOA_D
ClientSampleId :
SU-03-082021

Tgt Ion:	75	Resp:	8441
Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.5	96.7#
89	0.0	33.7	50.5#



#95
Naphthalene
Concen: 1.072 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD070229.D
Acq: 23 Aug 2021 19:13

Tgt Ion:	128	Resp:	600
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.5	15.7#
129	0.0	8.3	12.5#

