

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102122\
 Data File : VD074620.D
 Acq On : 21 Oct 2022 17:16
 Operator : VA/SY
 Sample : N5218-31
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Quant Time: Oct 21 23:11:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

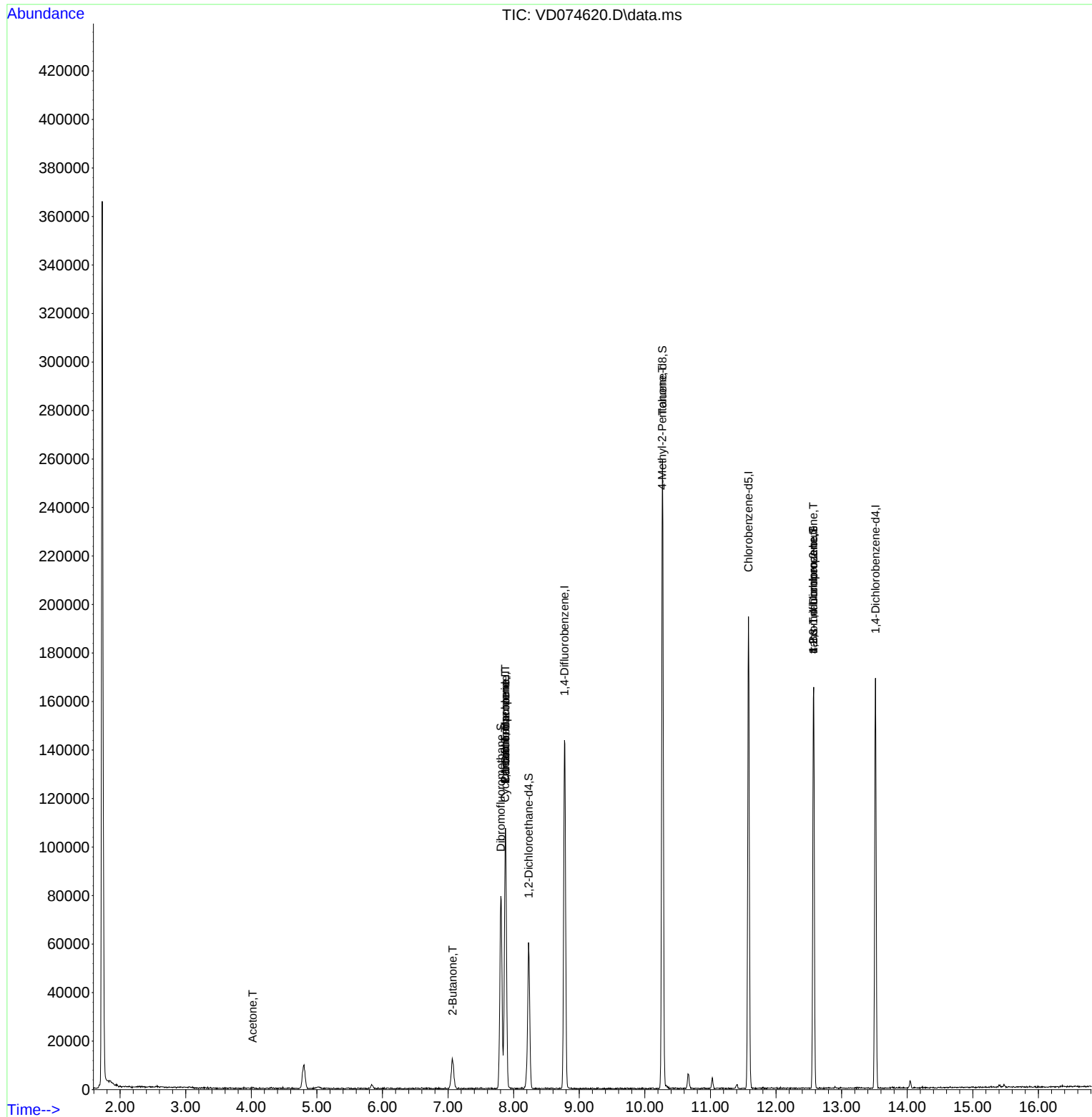
Internal Standards						
1) Pentafluorobenzene	7.875	168	90796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	143541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	122139	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	49475	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	43709	63.053	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.100%	
35) Dibromofluoromethane	7.804	113	58105	73.582	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 147.160%#	
50) Toluene-d8	10.269	98	188789	65.711	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 131.420%	
62) 4-Bromofluorobenzene	12.569	95	47612	57.912	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 115.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.063	59	55	Below Cal	#	84
16) Acetone	4.022	43	269	1.777	ug/l #	81
18) Methyl Acetate	4.311	43	54	Below Cal	#	44
20) Methylene Chloride	4.799	84	9113	Below Cal		92
25) 2-Butanone	7.069	43	268	1.324	ug/l #	42
31) Cyclohexane	7.869	56	1409	1.012	ug/l #	28
36) 1,1-Dichloropropene	7.875	75	5985	4.641	ug/l #	44
38) Carbon Tetrachloride	7.875	117	8150	6.454	ug/l #	14
51) 4-Methyl-2-Pentanone	10.263	43	442	1.175	ug/l #	1
76) 1,2,3-Trichloropropane	12.569	75	24192	56.000	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.569	75	24192	143.108	ug/l #	17

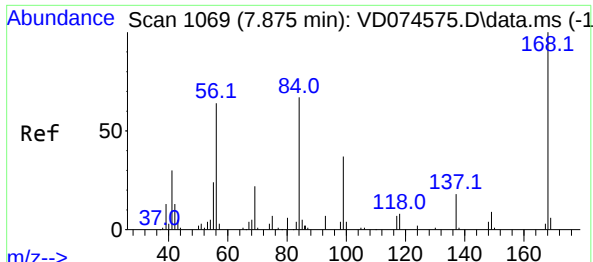
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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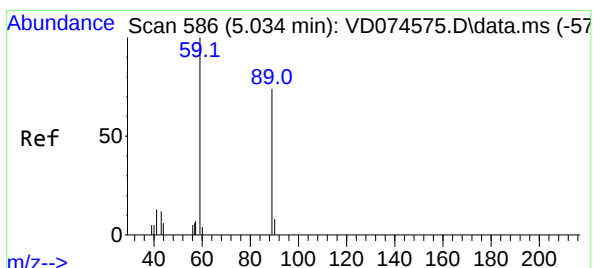
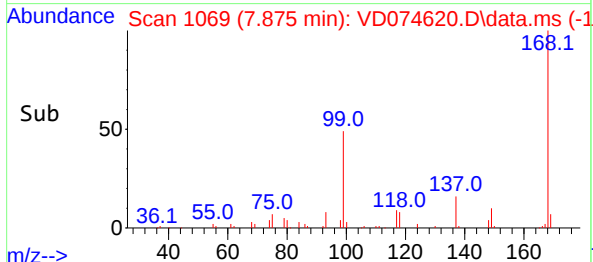
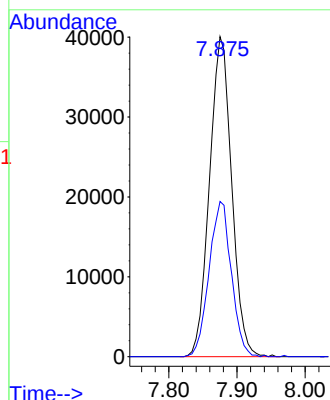
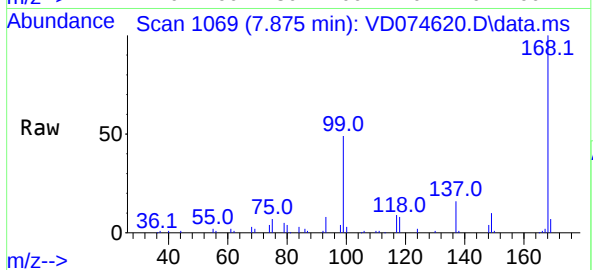




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

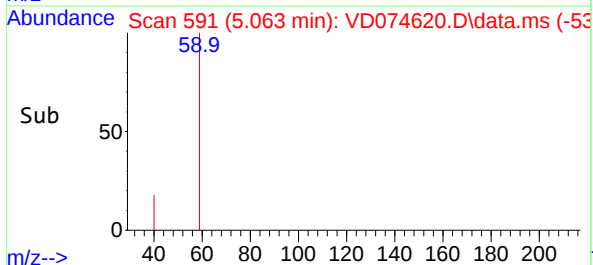
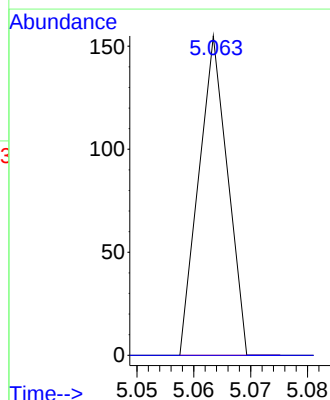
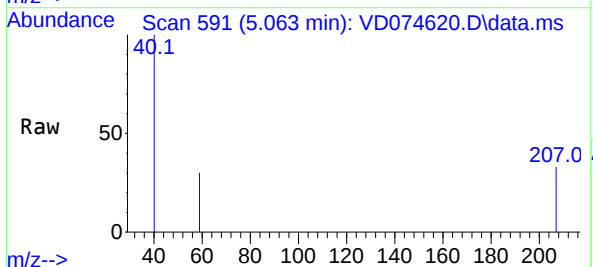
Instrument :
MSVOA_D
ClientSampleId :
SP-4

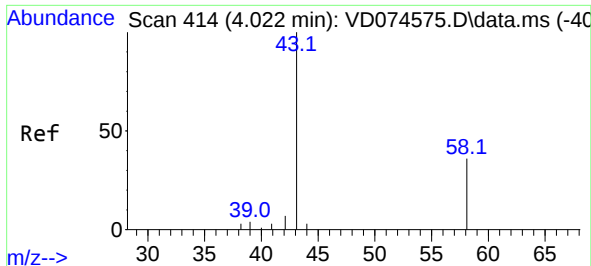
Tgt Ion:168 Resp: 90796
Ion Ratio Lower Upper
168 100
99 48.5 40.9 61.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.063 min Scan# 591
Delta R.T. 0.011 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#

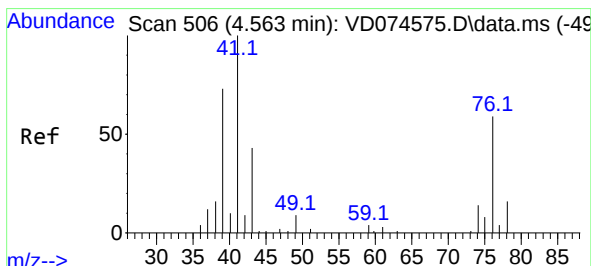
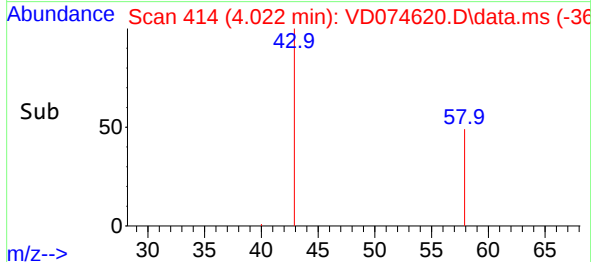
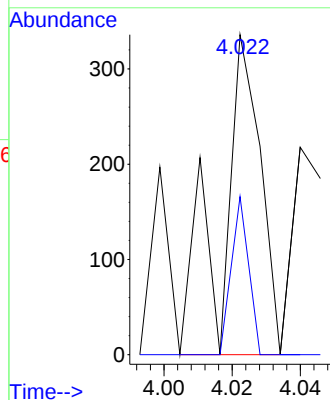
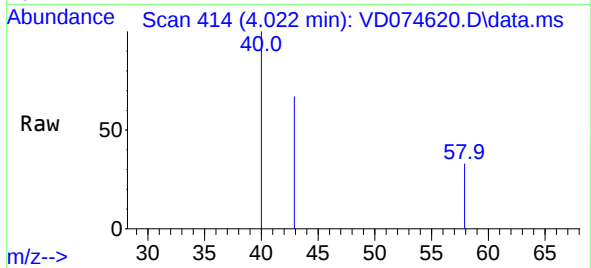




#16
Acetone
Concen: 1.777 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

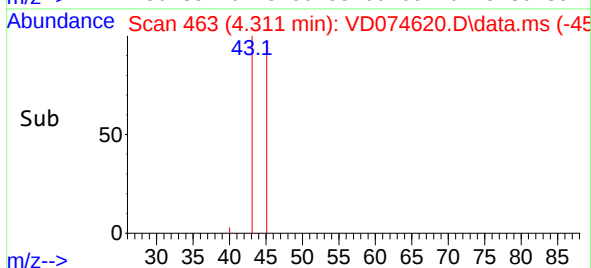
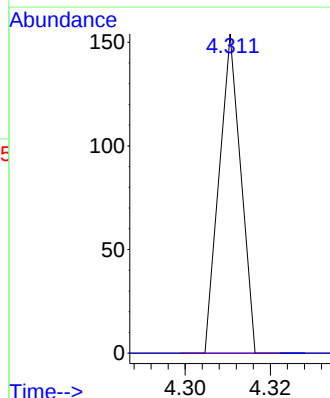
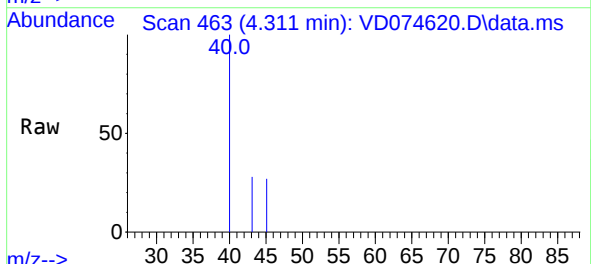
Instrument :
MSVOA_D
ClientSampleId :
SP-4

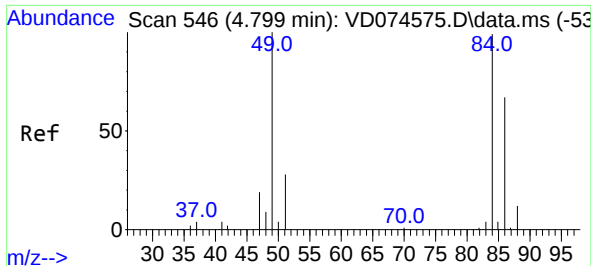
Tgt Ion: 43 Resp: 269
Ion Ratio Lower Upper
43 100
58 49.4 30.2 45.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.311 min Scan# 463
Delta R.T. -0.247 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

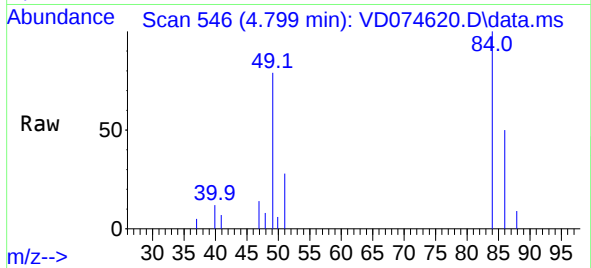
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#





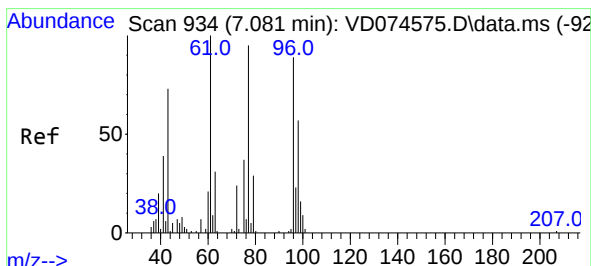
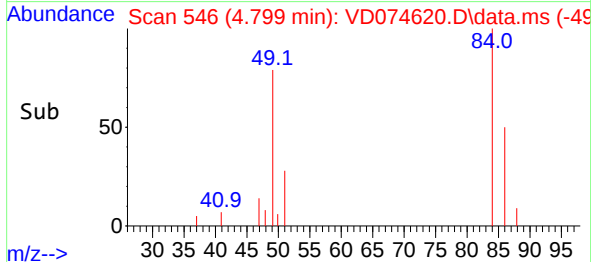
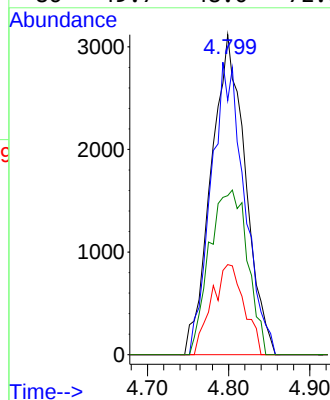
#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Instrument :
MSVOA_D
ClientSampleId :
SP-4



Tgt Ion: 84 Resp: 9113

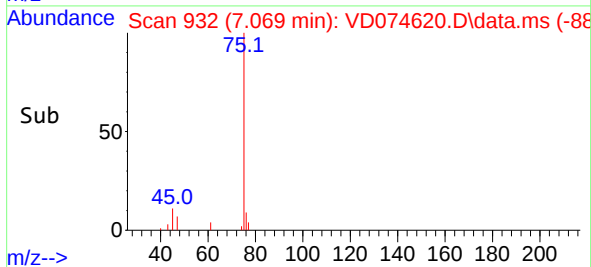
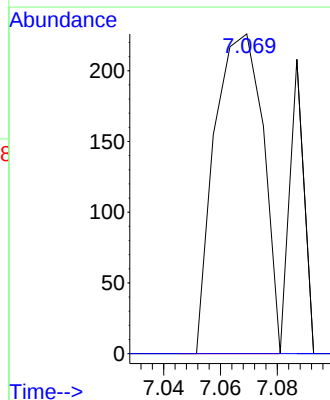
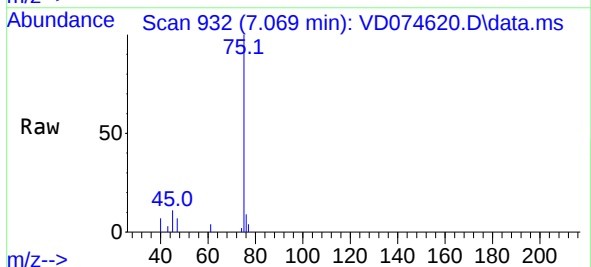
Ion	Ratio	Lower	Upper
84	100		
49	79.4	68.0	102.0
51	28.2	23.2	34.8
86	49.7	48.0	72.0

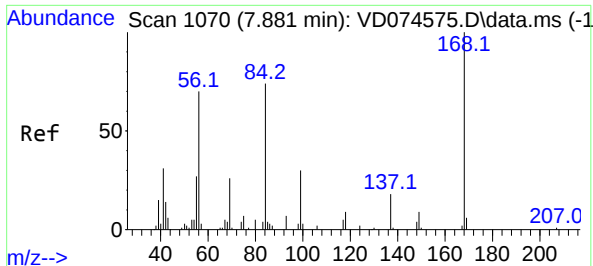


#25
2-Butanone
Concen: 1.324 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 43 Resp: 268

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#

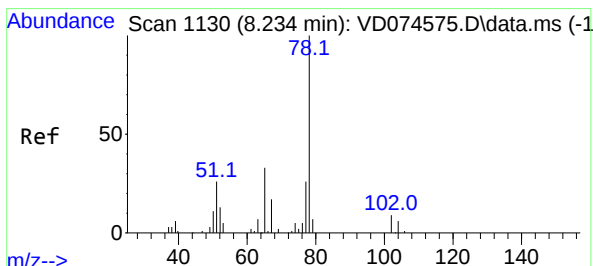
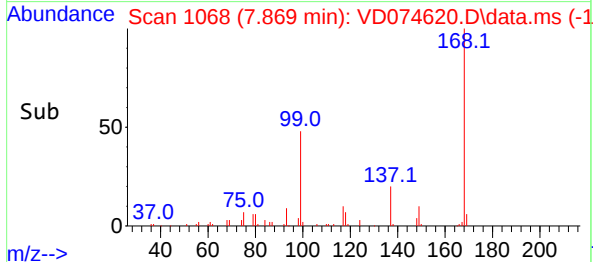
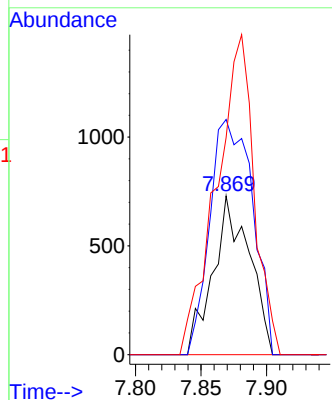
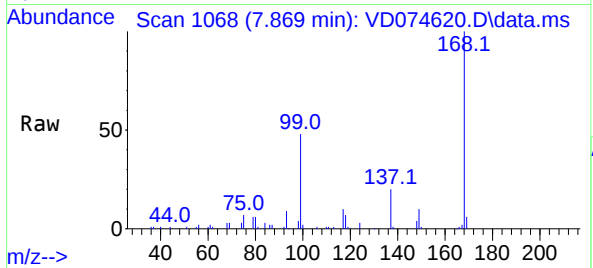




#31
Cyclohexane
Concen: 1.012 ug/l
RT: 7.869 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

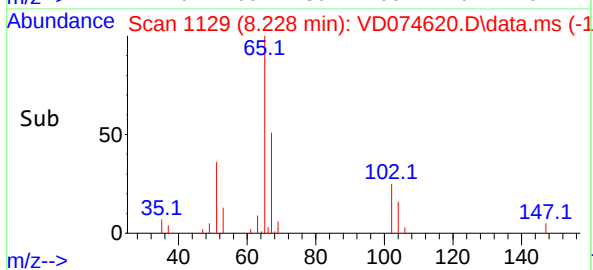
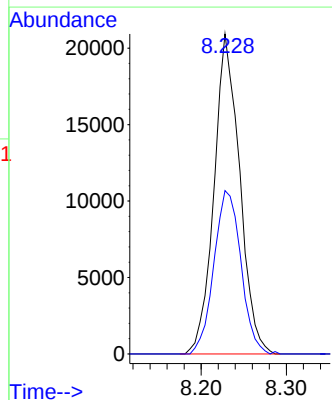
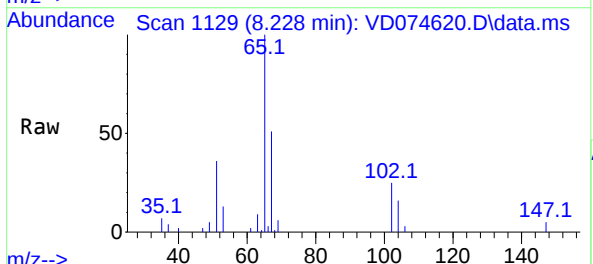
Instrument :
MSVOA_D
ClientSampleId :
SP-4

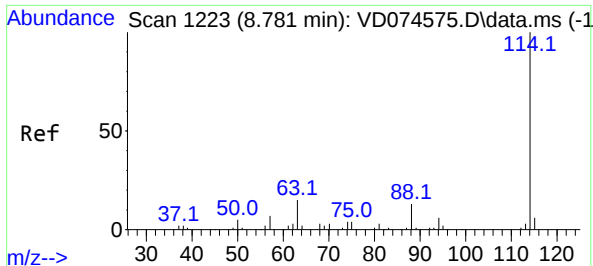
Tgt Ion: 56 Resp: 1409
Ion Ratio Lower Upper
56 100
69 148.1 29.2 43.8#
84 136.7 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 63.053 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 65 Resp: 43709
Ion Ratio Lower Upper
65 100
67 53.9 0.0 110.2

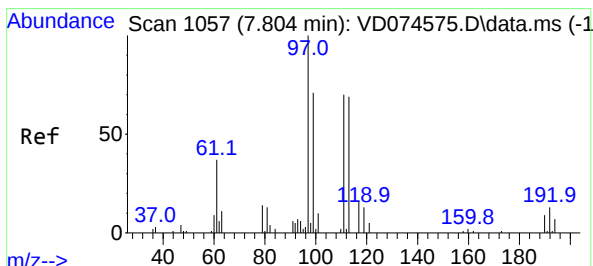
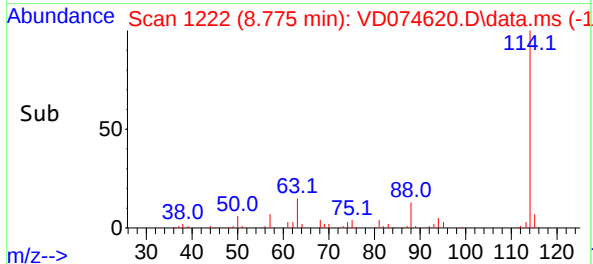
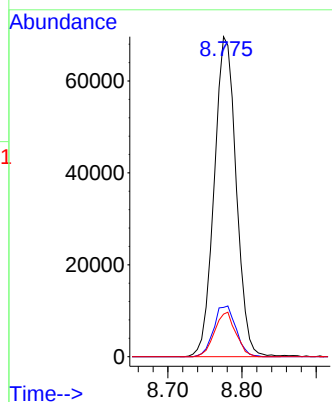
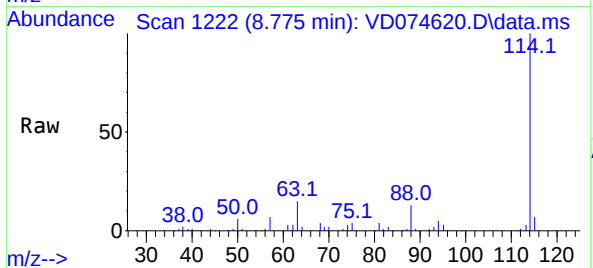




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

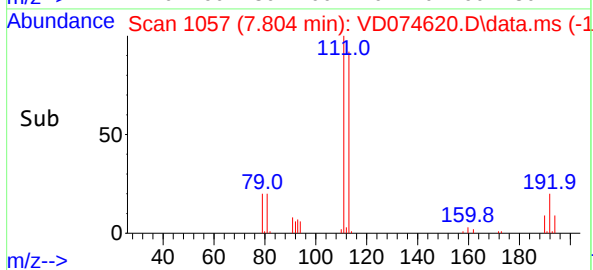
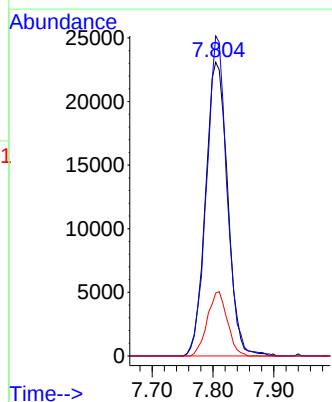
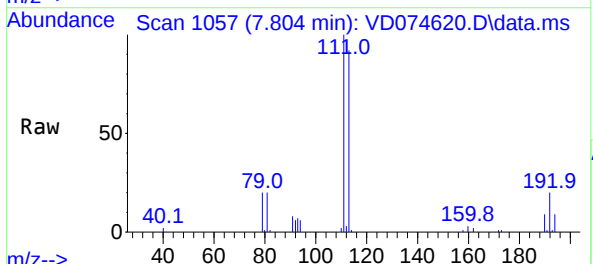
Instrument :
MSVOA_D
ClientSampleId :
SP-4

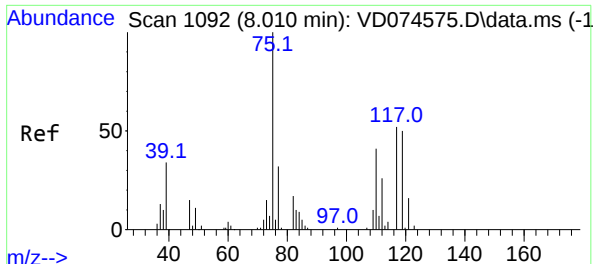
Tgt Ion:114 Resp: 143541
Ion Ratio Lower Upper
114 100
63 15.4 0.0 33.2
88 13.3 0.0 28.2



#35
Dibromofluoromethane
Concen: 73.582 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion:113 Resp: 58105
Ion Ratio Lower Upper
113 100
111 101.2 82.3 123.5
192 19.8 16.4 24.6

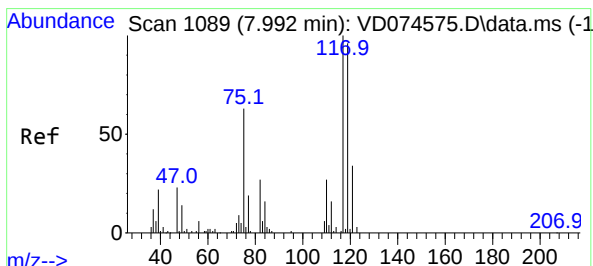
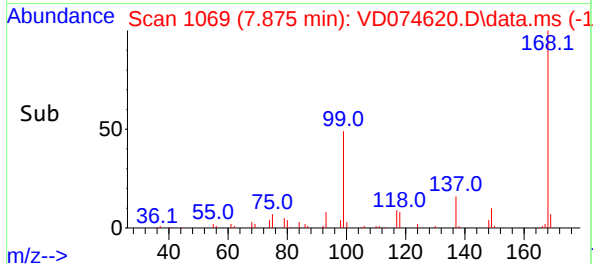
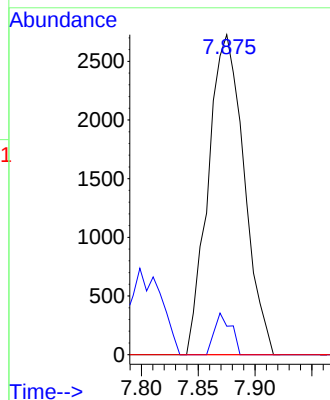
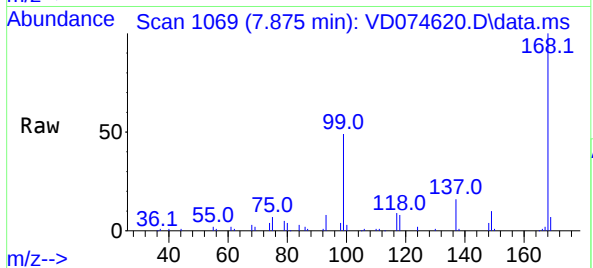




#36
1,1-Dichloropropene
Concen: 4.641 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

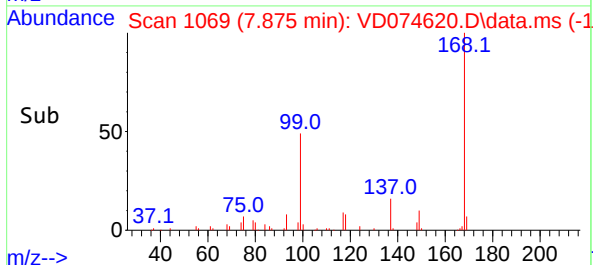
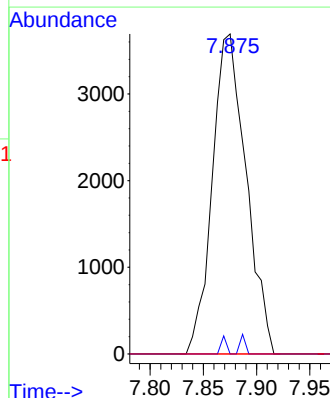
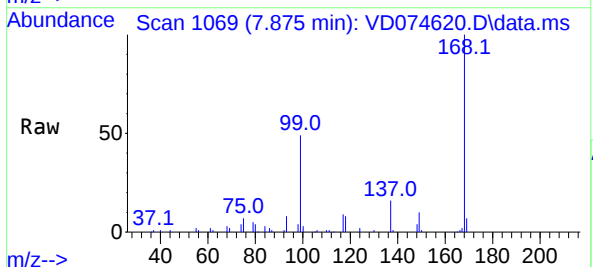
Instrument :
MSVOA_D
ClientSampleId :
SP-4

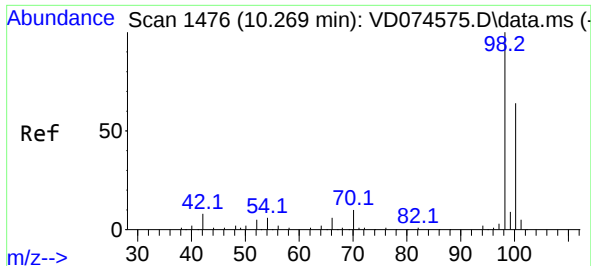
Tgt Ion: 75 Resp: 5985
Ion Ratio Lower Upper
75 100
110 6.0 19.7 59.0#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 117 Resp: 8150
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#

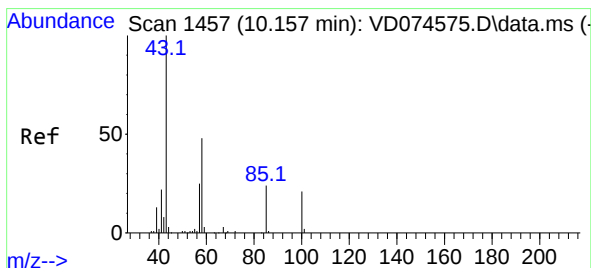
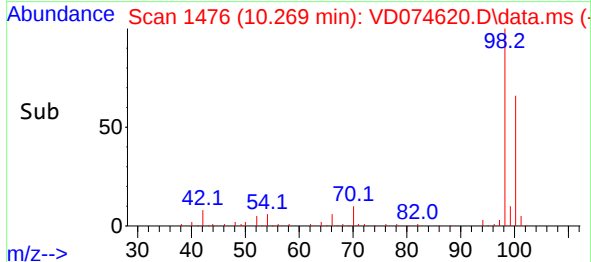
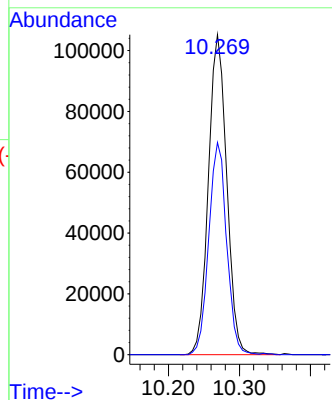
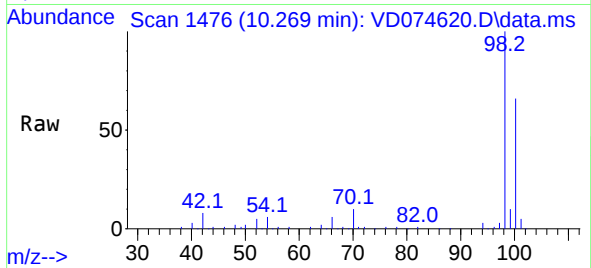




#50
Toluene-d8
Concen: 65.711 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

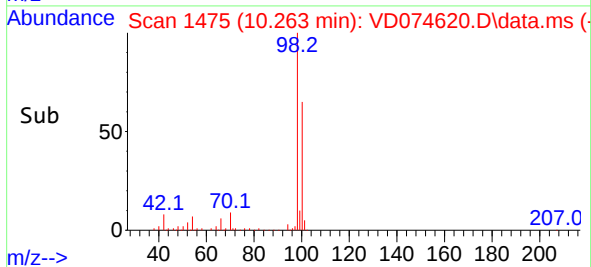
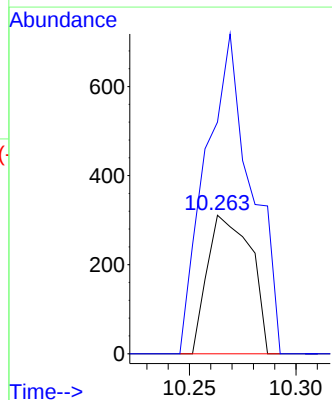
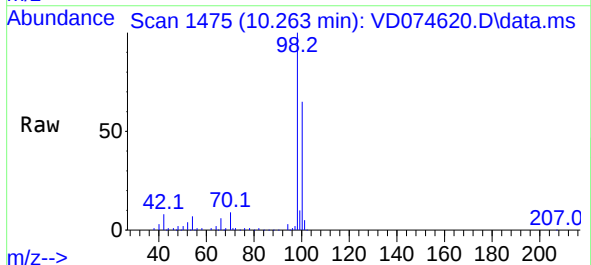
Instrument :
MSVOA_D
ClientSampleId :
SP-4

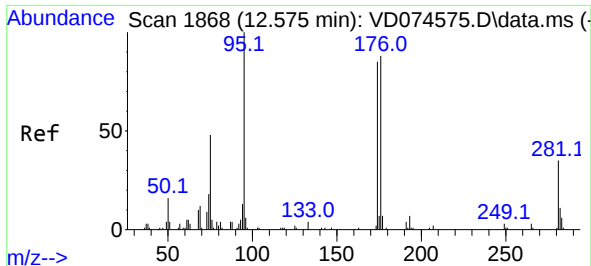
Tgt Ion: 98 Resp: 188789
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.175 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 243.0 37.8 56.6#

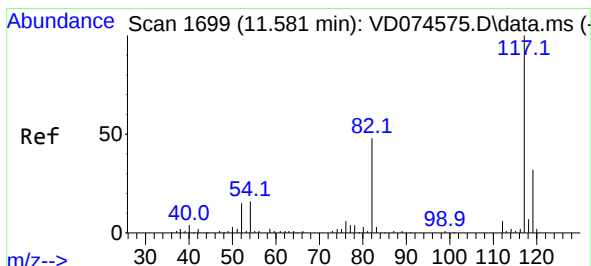
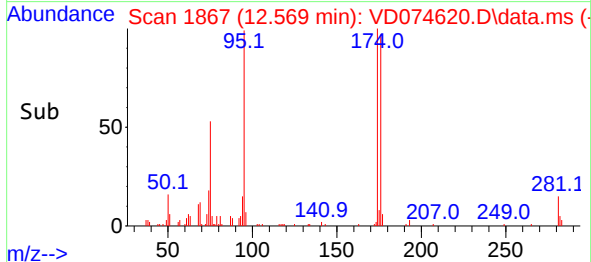
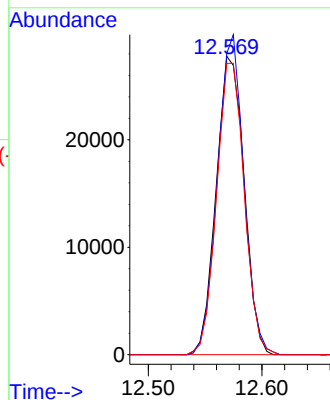
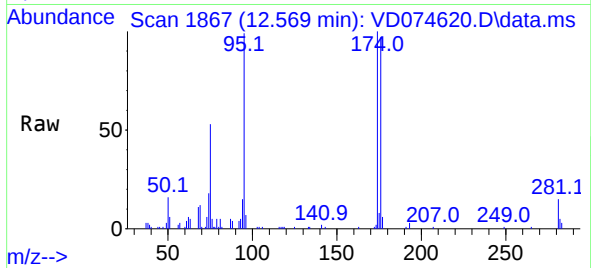




#62
4-Bromofluorobenzene
Concen: 57.912 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

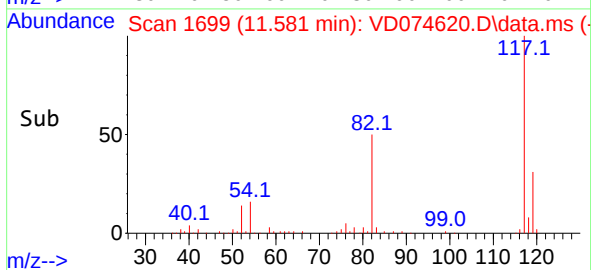
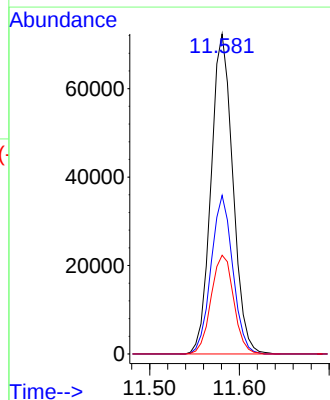
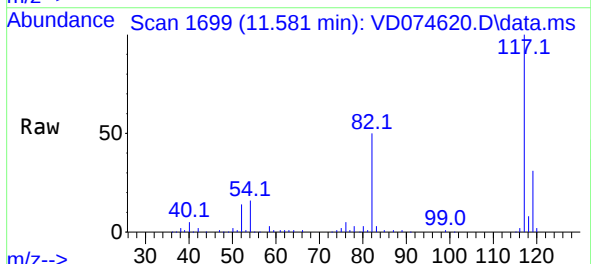
Instrument :
MSVOA_D
ClientSampleId :
SP-4

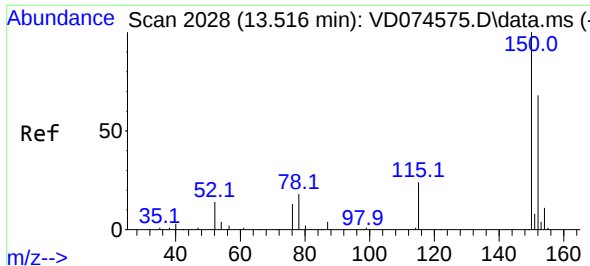
Tgt Ion: 95 Resp: 47612
Ion Ratio Lower Upper
95 100
174 101.3 0.0 197.0
176 96.3 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 117 Resp: 122139
Ion Ratio Lower Upper
117 100
82 49.6 41.6 62.4
119 30.9 25.2 37.8

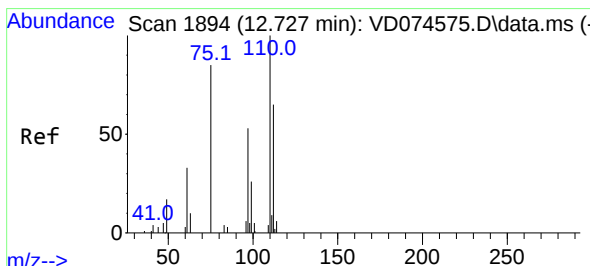
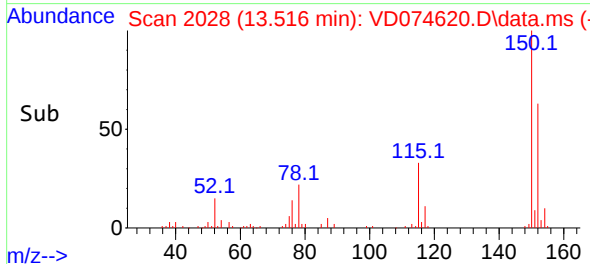
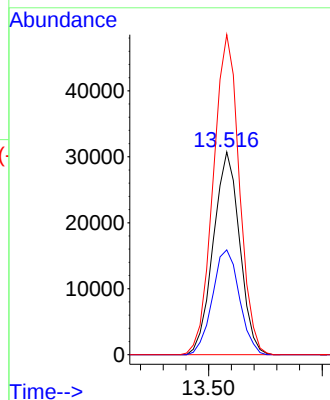
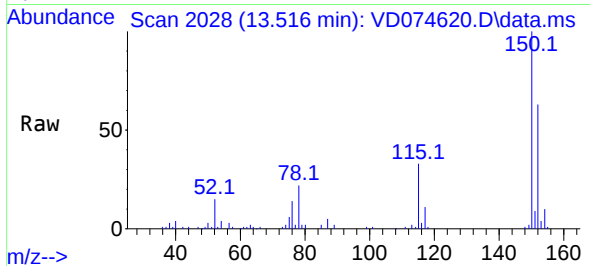




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

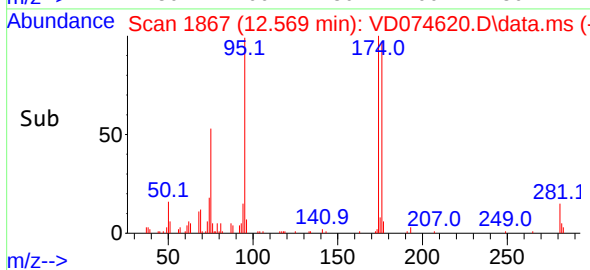
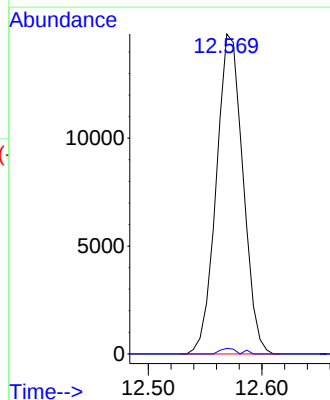
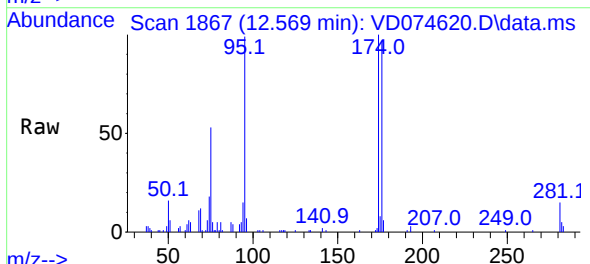
Instrument :
MSVOA_D
ClientSampleId :
SP-4

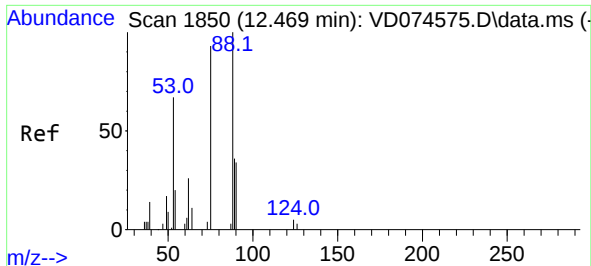
Tgt Ion:152 Resp: 49475
Ion Ratio Lower Upper
152 100
115 53.0 26.8 80.4
150 156.4 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 56.000 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.147 min
Lab File: VD074620.D
Acq: 21 Oct 2022 17:16

Tgt Ion: 75 Resp: 24192
Ion Ratio Lower Upper
75 100
77 1.2 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.108 ug/l
 RT: 12.569 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD074620.D
 Acq: 21 Oct 2022 17:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Tgt Ion: 75 Resp: 24192
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

