

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
 Data File : VD074631.D
 Acq On : 25 Oct 2022 14:29
 Operator : VA/SY
 Sample : N5218-31RE
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Quant Time: Oct 27 01:21:38 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)

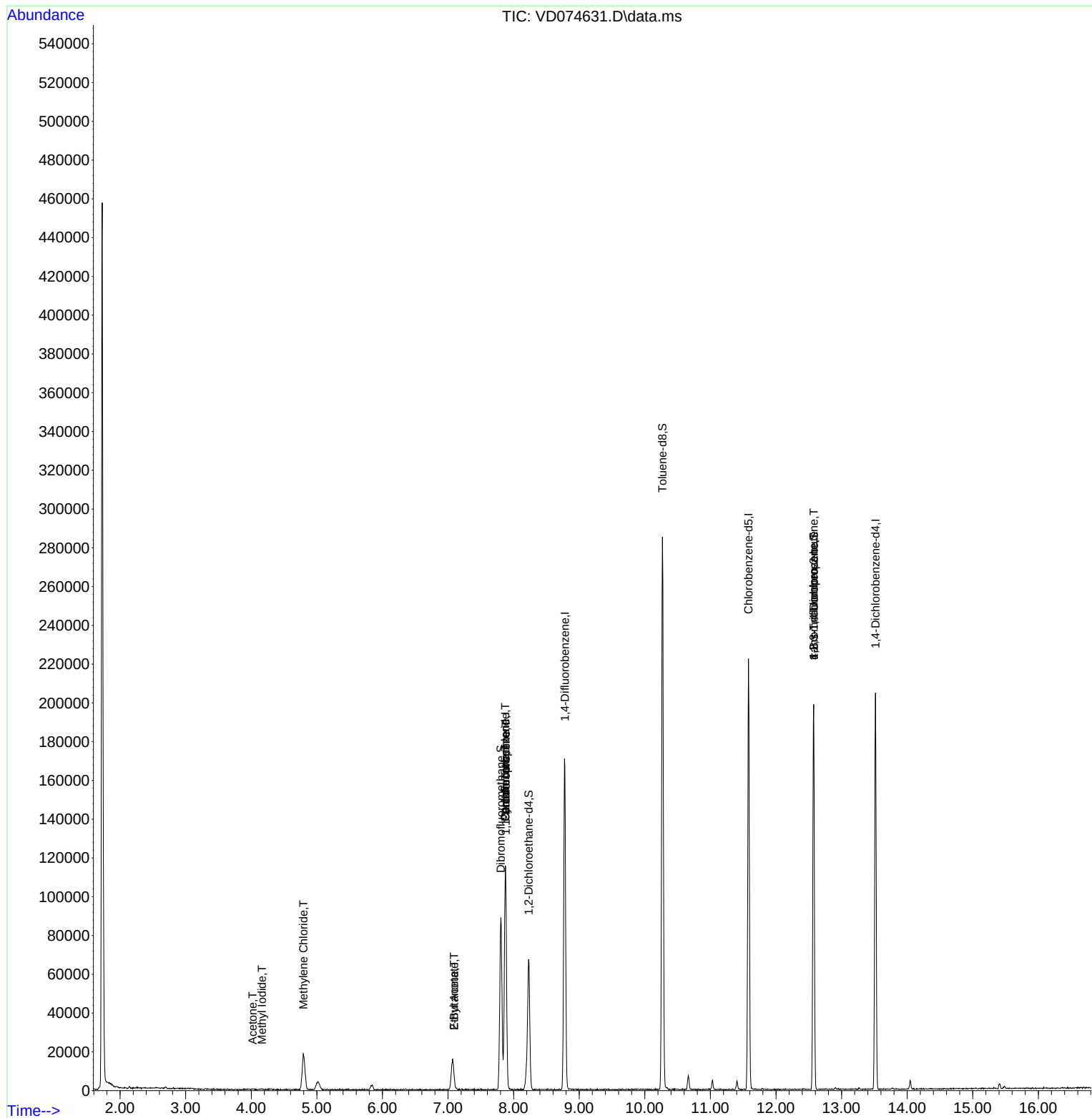
Internal Standards						
1) Pentafluorobenzene	7.875	168	98538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	166745	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	138078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50281	66.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.660%	
35) Dibromofluoromethane	7.805	113	64300	70.043	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.080%	
50) Toluene-d8	10.269	98	208809	62.566	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 125.140%	
62) 4-Bromofluorobenzene	12.575	95	57540	60.330	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.660%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	493	4.273	ug/l	# 43
11) Tert butyl alcohol	5.022	59	4080	Below Cal	#	84
16) Acetone	4.022	43	900	5.478	ug/l	# 37
20) Methylene Chloride	4.793	84	16293	3.526	ug/l	# 96
25) 2-Butanone	7.093	43	582	2.649	ug/l	# 42
31) Cyclohexane	7.875	56	1834	1.214	ug/l	# 48
36) 1,1-Dichloropropene	7.881	75	6664	4.449	ug/l	# 47
37) Ethyl Acetate	7.093	43	582	1.231	ug/l	# 1
38) Carbon Tetrachloride	7.875	117	8914	6.077	ug/l	# 18
76) 1,2,3-Trichloropropane	12.575	75	28815	56.135	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.575	75	28815	143.452	ug/l	# 17

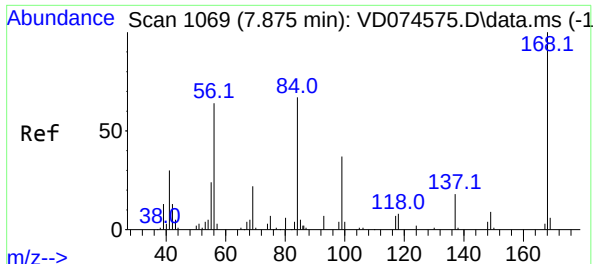
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102522\
Data File : VD074631.D
Acq On : 25 Oct 2022 14:29
Operator : VA/SY
Sample : N5218-31RE
Misc : 5.03G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP-4

Quant Time: Oct 27 01:21:38 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

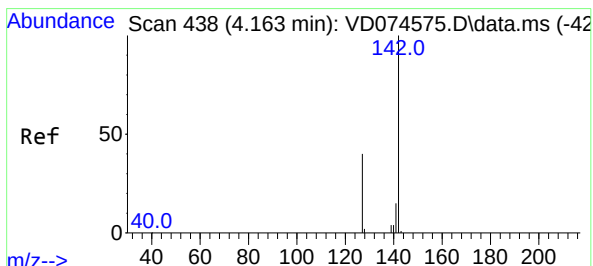
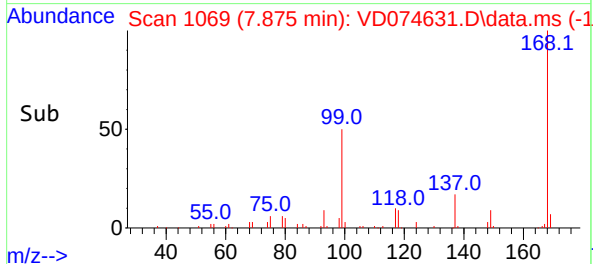
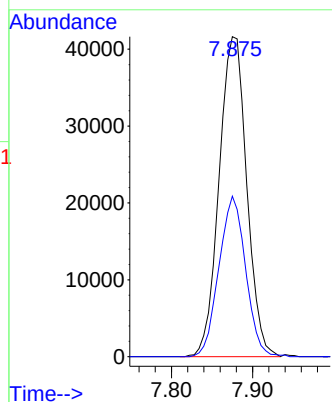
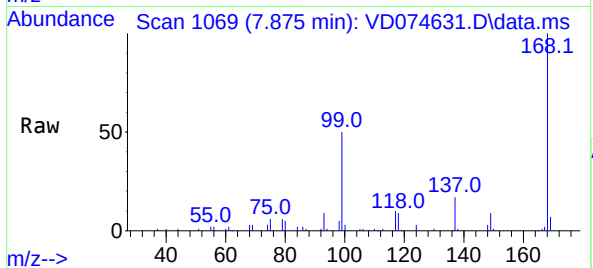




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

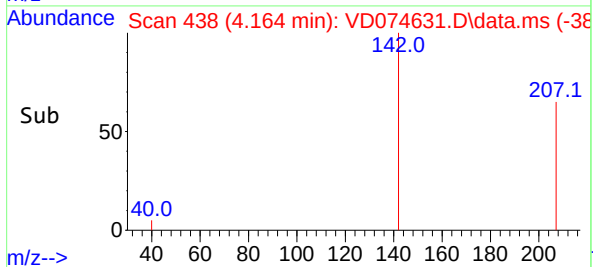
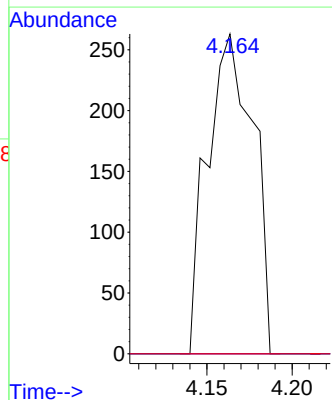
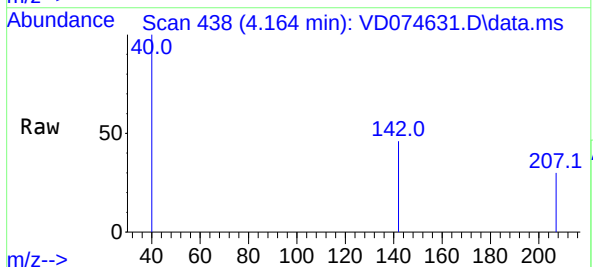
Instrument :
MSVOA_D
ClientSampleId :
SP-4

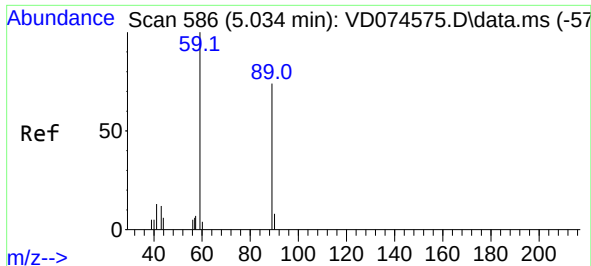
Tgt Ion:168 Resp: 98538
Ion Ratio Lower Upper
168 100
99 50.2 40.9 61.3



#10
Methyl Iodide
Concen: 4.273 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion:142 Resp: 493
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

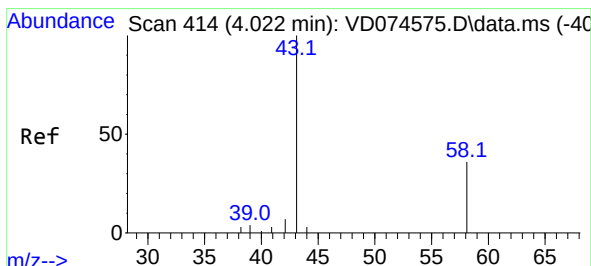
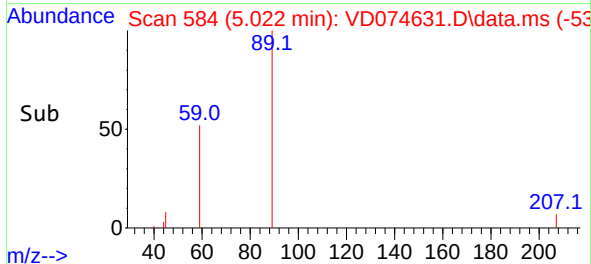
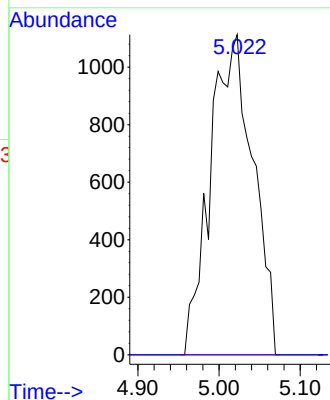
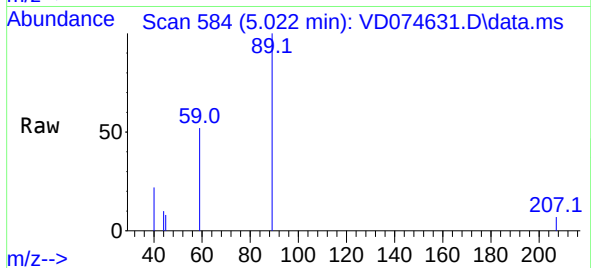




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

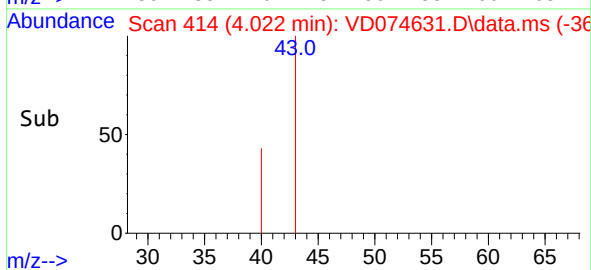
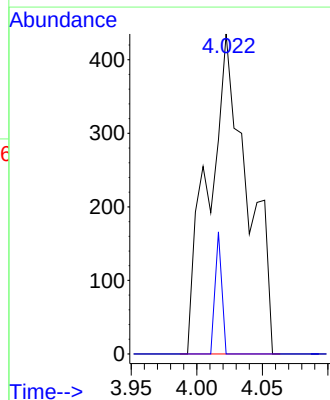
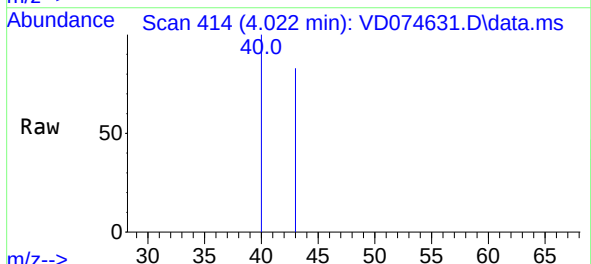
Instrument :
MSVOA_D
ClientSampleId :
SP-4

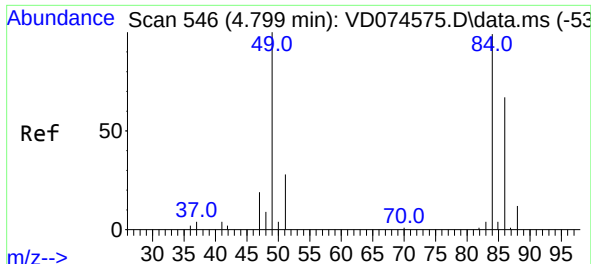
Tgt Ion: 59 Resp: 4080
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 5.478 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



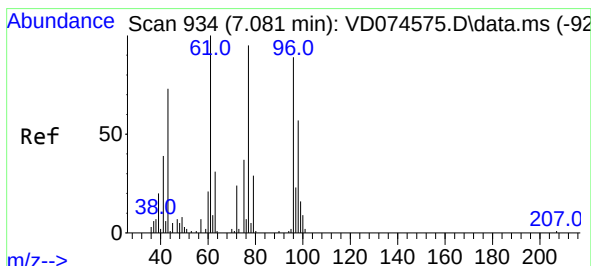
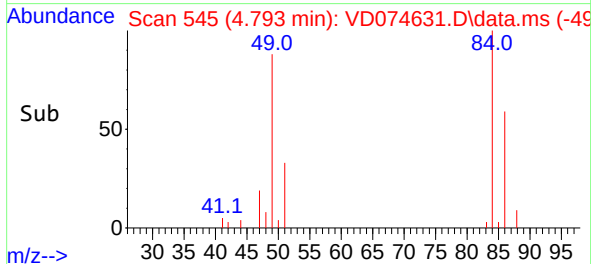
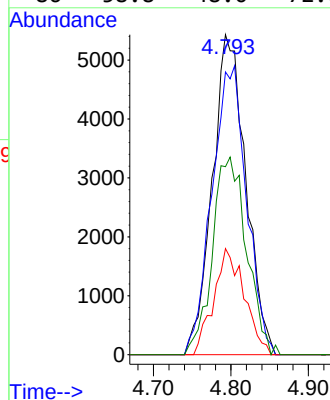
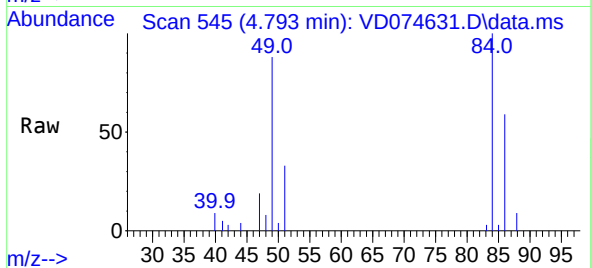


#20
Methylene Chloride
Concen: 3.526 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Instrument :
MSVOA_D
ClientSampleId :
SP-4

Tgt Ion: 84 Resp: 16293

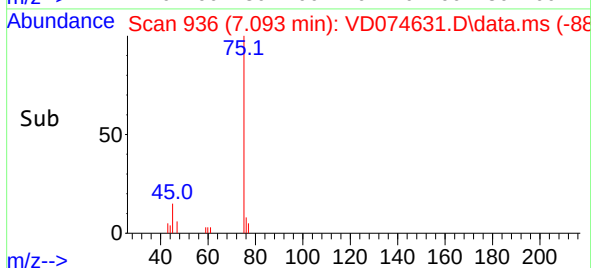
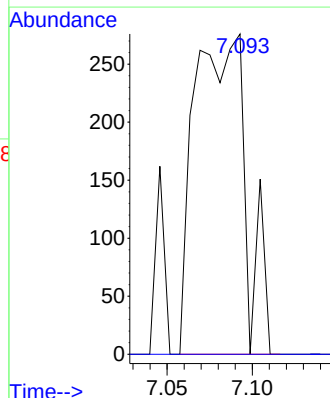
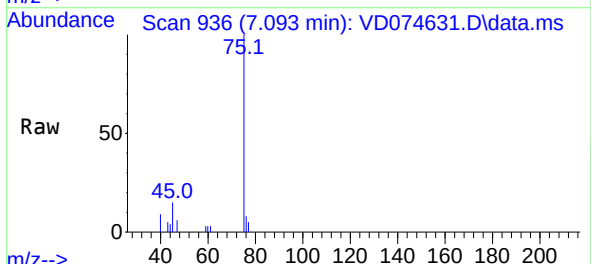
Ion	Ratio	Lower	Upper
84	100		
49	88.4	68.0	102.0
51	33.2	23.2	34.8
86	58.8	48.0	72.0

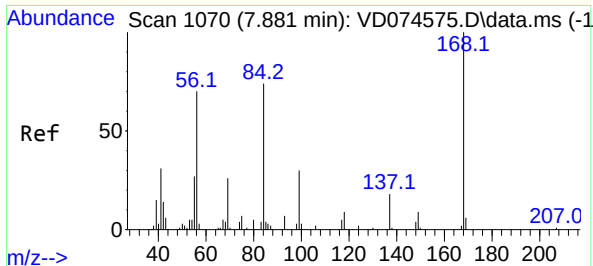


#25
2-Butanone
Concen: 2.649 ug/l
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion: 43 Resp: 582

Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8

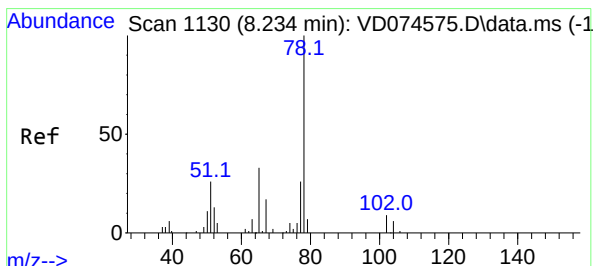
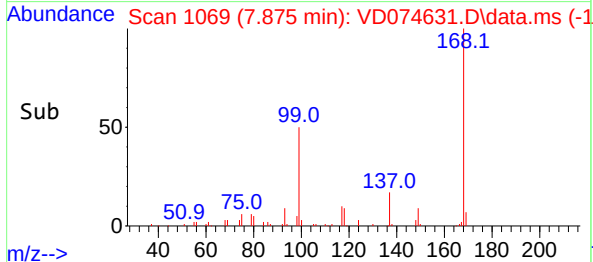
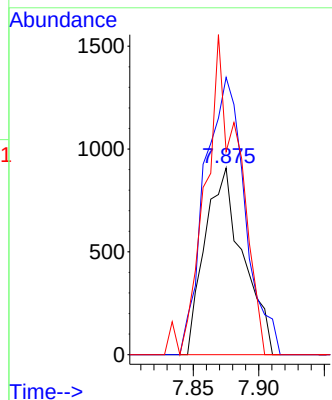
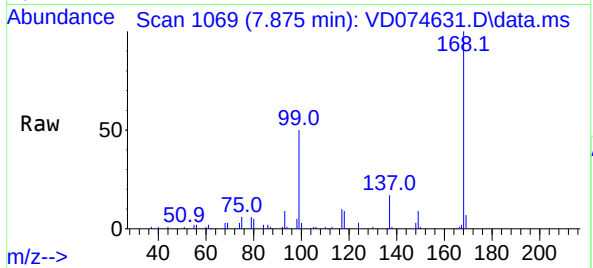




#31
Cyclohexane
Concen: 1.214 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

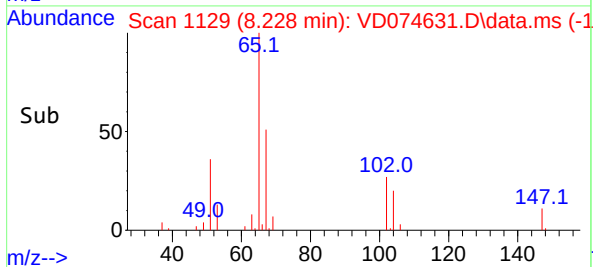
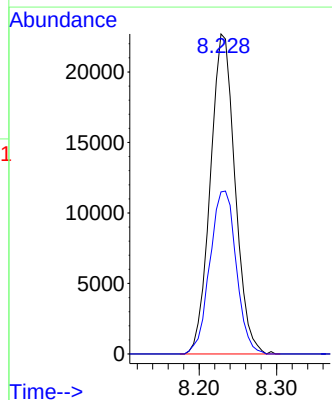
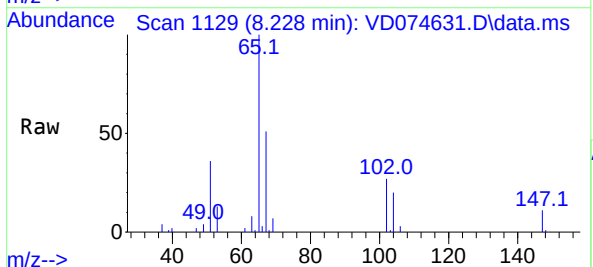
Instrument :
MSVOA_D
ClientSampleId :
SP-4

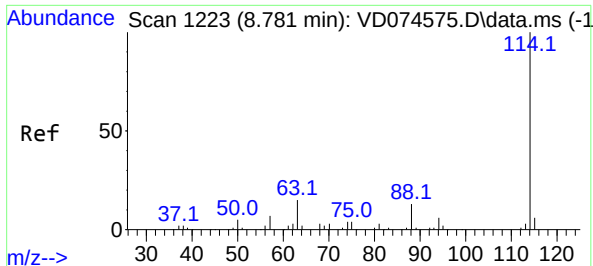
Tgt Ion: 56 Resp: 1834
Ion Ratio Lower Upper
56 100
69 148.5 29.2 43.8#
84 108.7 83.4 125.2



#33
1,2-Dichloroethane-d4
Concen: 66.835 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion: 65 Resp: 50281
Ion Ratio Lower Upper
65 100
67 54.2 0.0 110.2

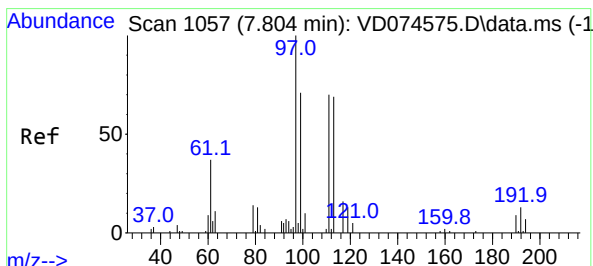
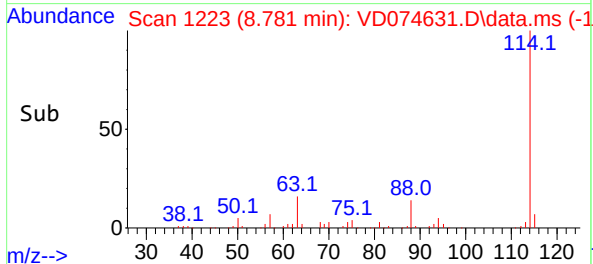
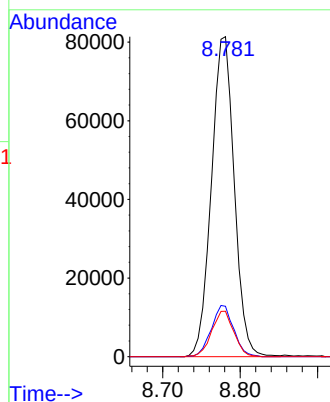
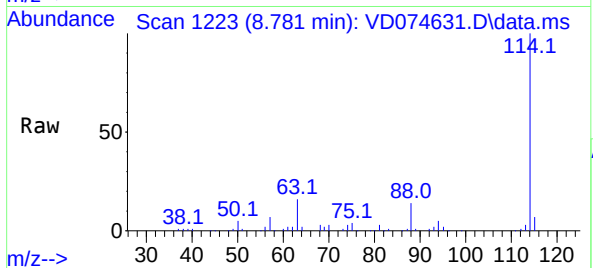




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

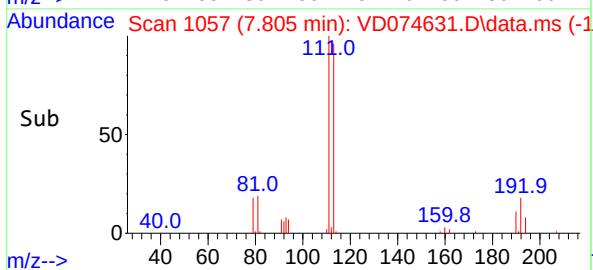
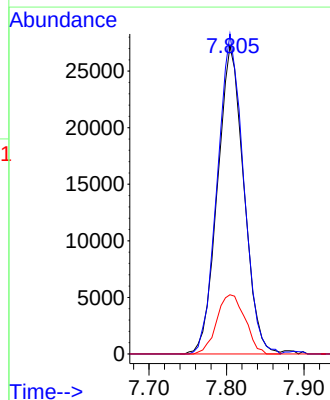
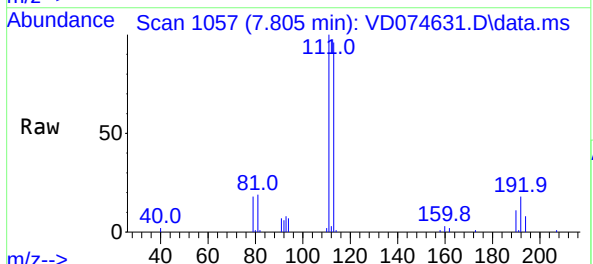
Instrument :
MSVOA_D
ClientSampleId :
SP-4

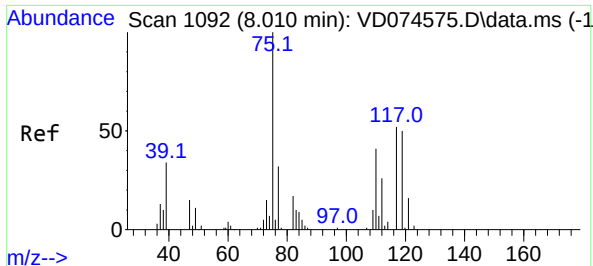
Tgt Ion:114 Resp: 166745
Ion Ratio Lower Upper
114 100
63 15.7 0.0 33.2
88 14.2 0.0 28.2



#35
Dibromofluoromethane
Concen: 70.043 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion:113 Resp: 64300
Ion Ratio Lower Upper
113 100
111 103.2 82.3 123.5
192 20.6 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.123 min

Lab File: VD074631.D

Acq: 25 Oct 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

SP-4

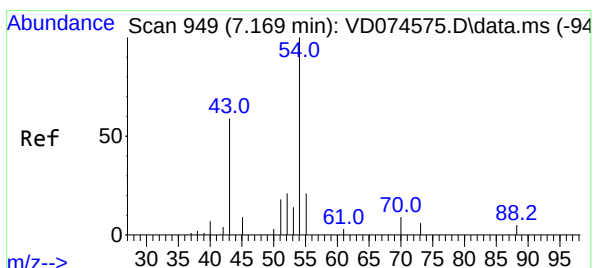
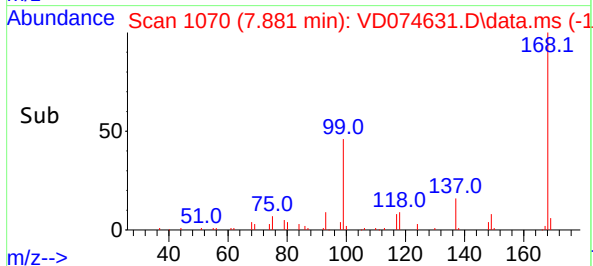
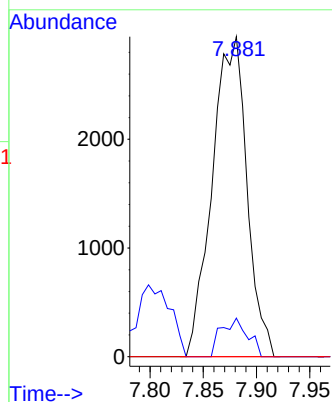
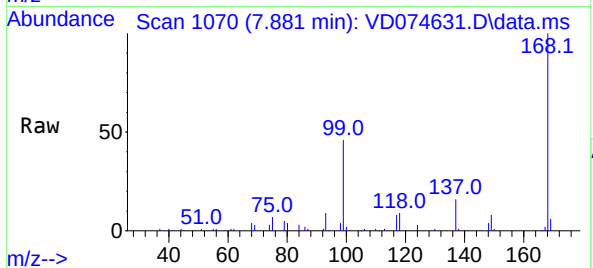
Tgt Ion: 75 Resp: 6664

Ion Ratio Lower Upper

75 100

110 9.2 19.7 59.0#

77 0.0 25.4 38.2#



#37

Ethyl Acetate

Concen: 1.231 ug/l

RT: 7.093 min Scan# 936

Delta R.T. -0.076 min

Lab File: VD074631.D

Acq: 25 Oct 2022 14:29

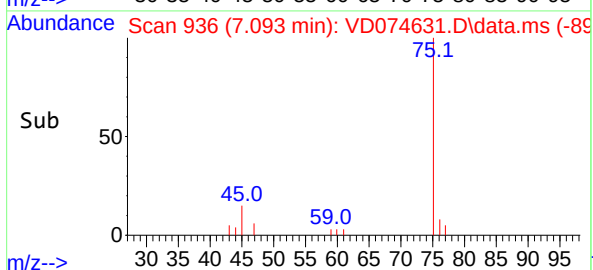
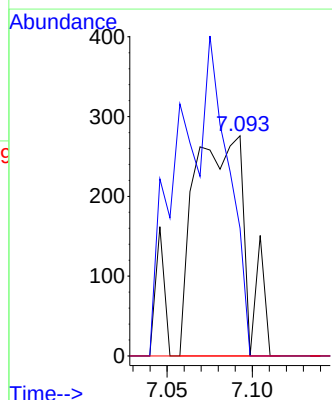
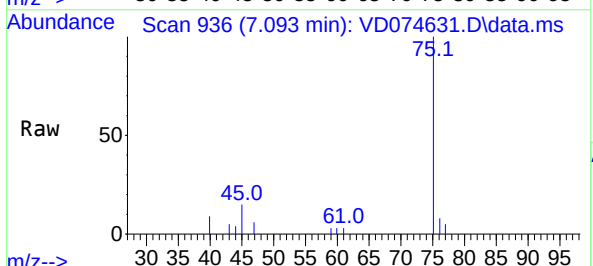
Tgt Ion: 43 Resp: 582

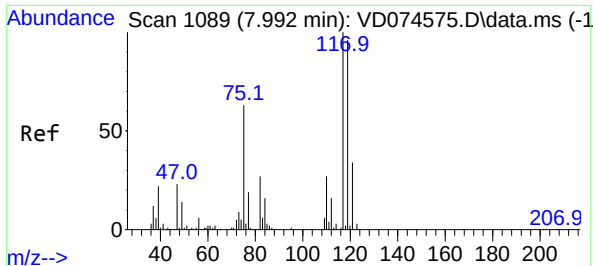
Ion Ratio Lower Upper

43 100

61 138.5 12.2 18.4#

70 0.0 9.6 14.4#





#38

Carbon Tetrachloride

Concen: 6.077 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.112 min

Lab File: VD074631.D

Acq: 25 Oct 2022 14:29

Instrument :

MSVOA_D

ClientSampleId :

SP-4

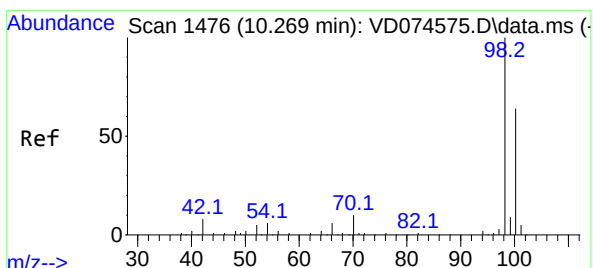
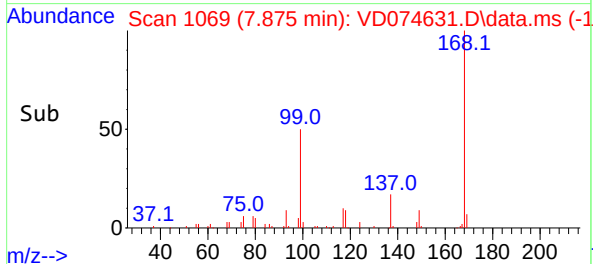
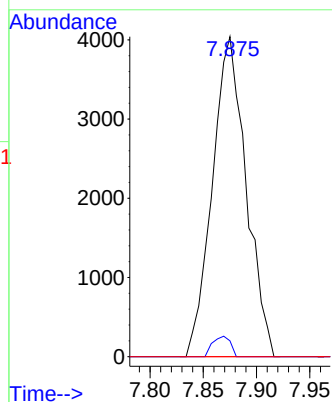
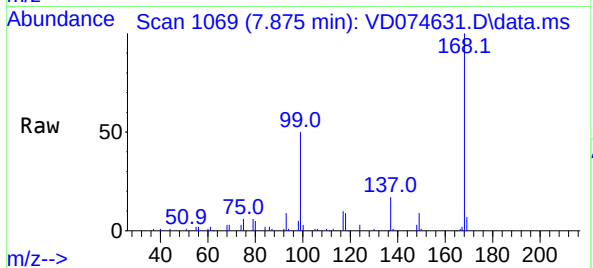
Tgt Ion:117 Resp: 8914

Ion Ratio Lower Upper

117 100

119 5.0 73.1 109.7#

121 0.0 25.0 37.6#



#50

Toluene-d8

Concen: 62.566 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074631.D

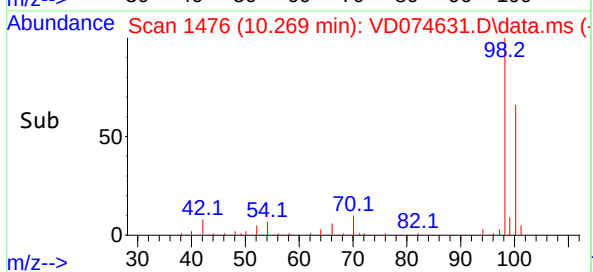
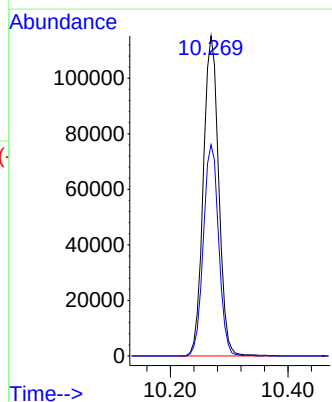
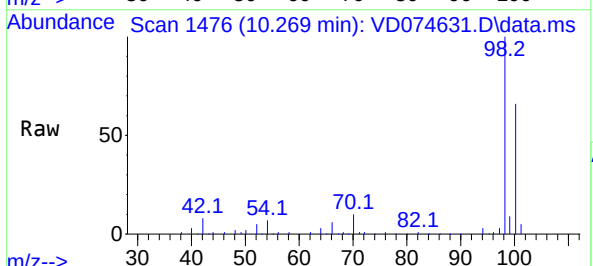
Acq: 25 Oct 2022 14:29

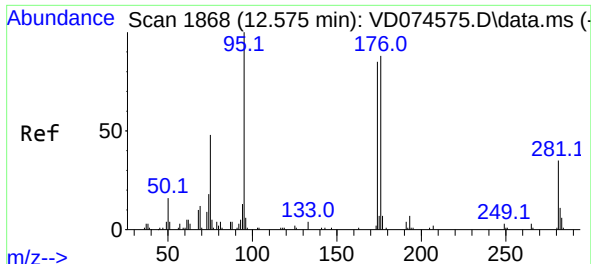
Tgt Ion: 98 Resp: 208809

Ion Ratio Lower Upper

98 100

100 65.6 51.4 77.0

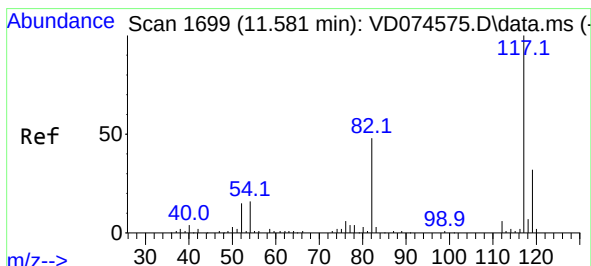
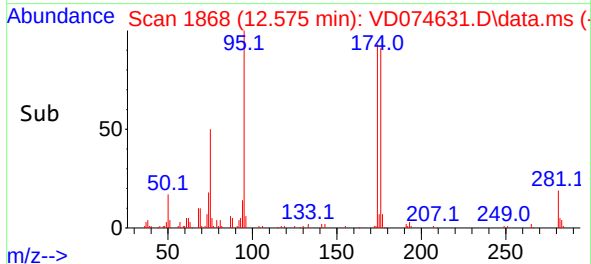
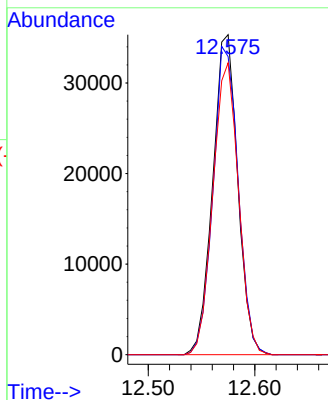
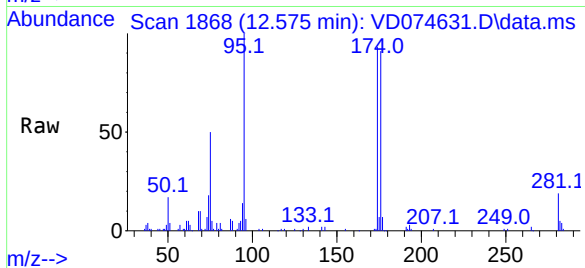




#62
4-Bromofluorobenzene
Concen: 60.330 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

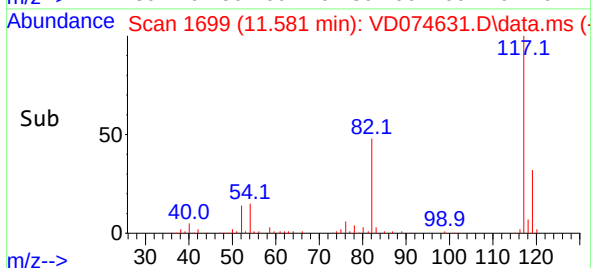
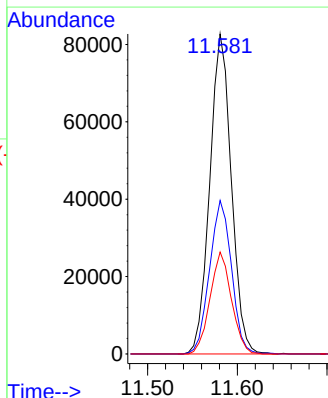
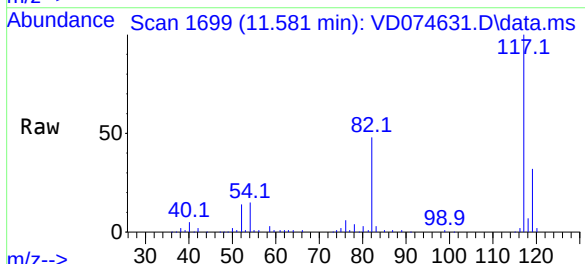
Instrument :
MSVOA_D
ClientSampleId :
SP-4

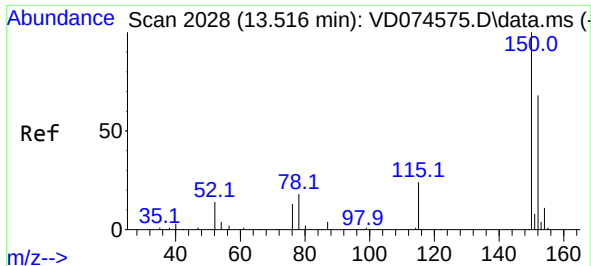
Tgt Ion:	95	Resp:	57540
Ion	Ratio	Lower	Upper
95	100		
174	96.6	0.0	197.0
176	92.9	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074631.D
Acq: 25 Oct 2022 14:29

Tgt Ion:	117	Resp:	138078
Ion	Ratio	Lower	Upper
117	100		
82	48.0	41.6	62.4
119	31.9	25.2	37.8

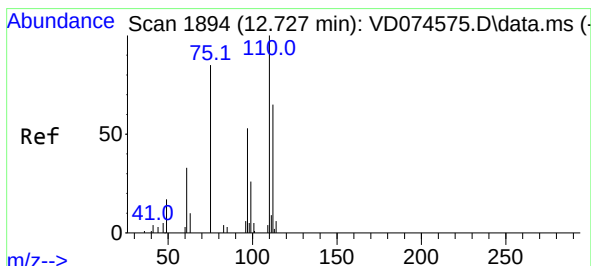
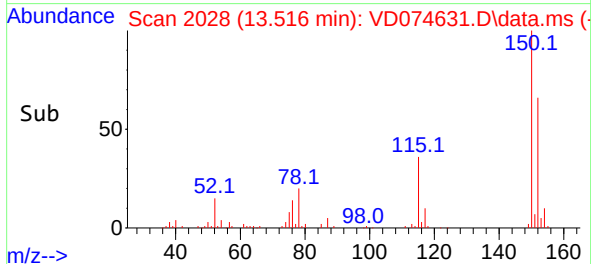
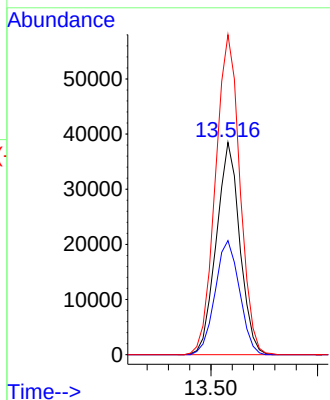
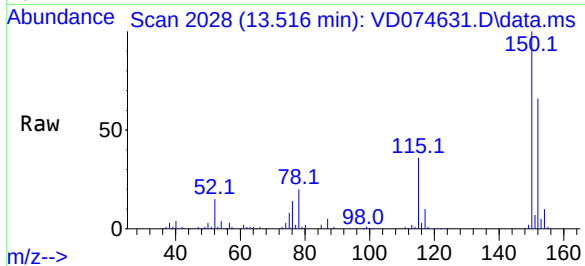




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD074631.D
 Acq: 25 Oct 2022 14:29

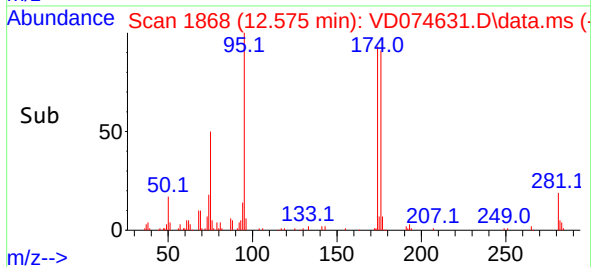
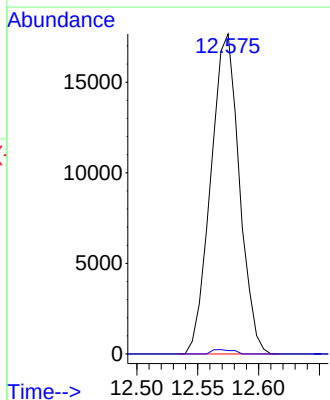
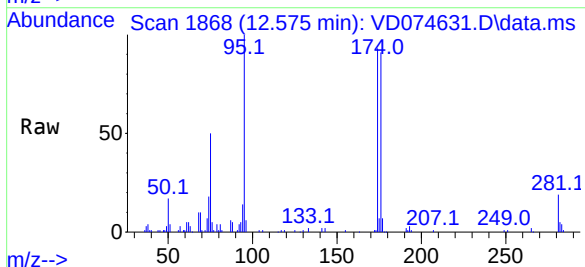
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

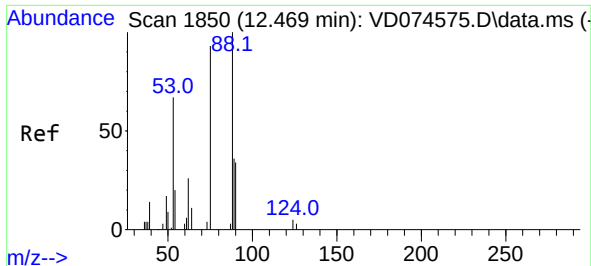
Tgt Ion:152 Resp: 58788
 Ion Ratio Lower Upper
 152 100
 115 55.9 26.8 80.4
 150 156.8 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 56.135 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.141 min
 Lab File: VD074631.D
 Acq: 25 Oct 2022 14:29

Tgt Ion: 75 Resp: 28815
 Ion Ratio Lower Upper
 75 100
 77 1.0 185.8 557.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.452 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD074631.D
 Acq: 25 Oct 2022 14:29

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-4

Tgt Ion: 75 Resp: 28815
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.8 95.6#
 89 0.0 38.2 57.4#

