

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110922\
 Data File : VD074856.D
 Acq On : 10 Nov 2022 05:53
 Operator : VA/SY
 Sample : N5545-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CL-1-110922

Quant Time: Nov 10 06:41:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 02:30:45 2022
 Response via : Initial Calibration

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

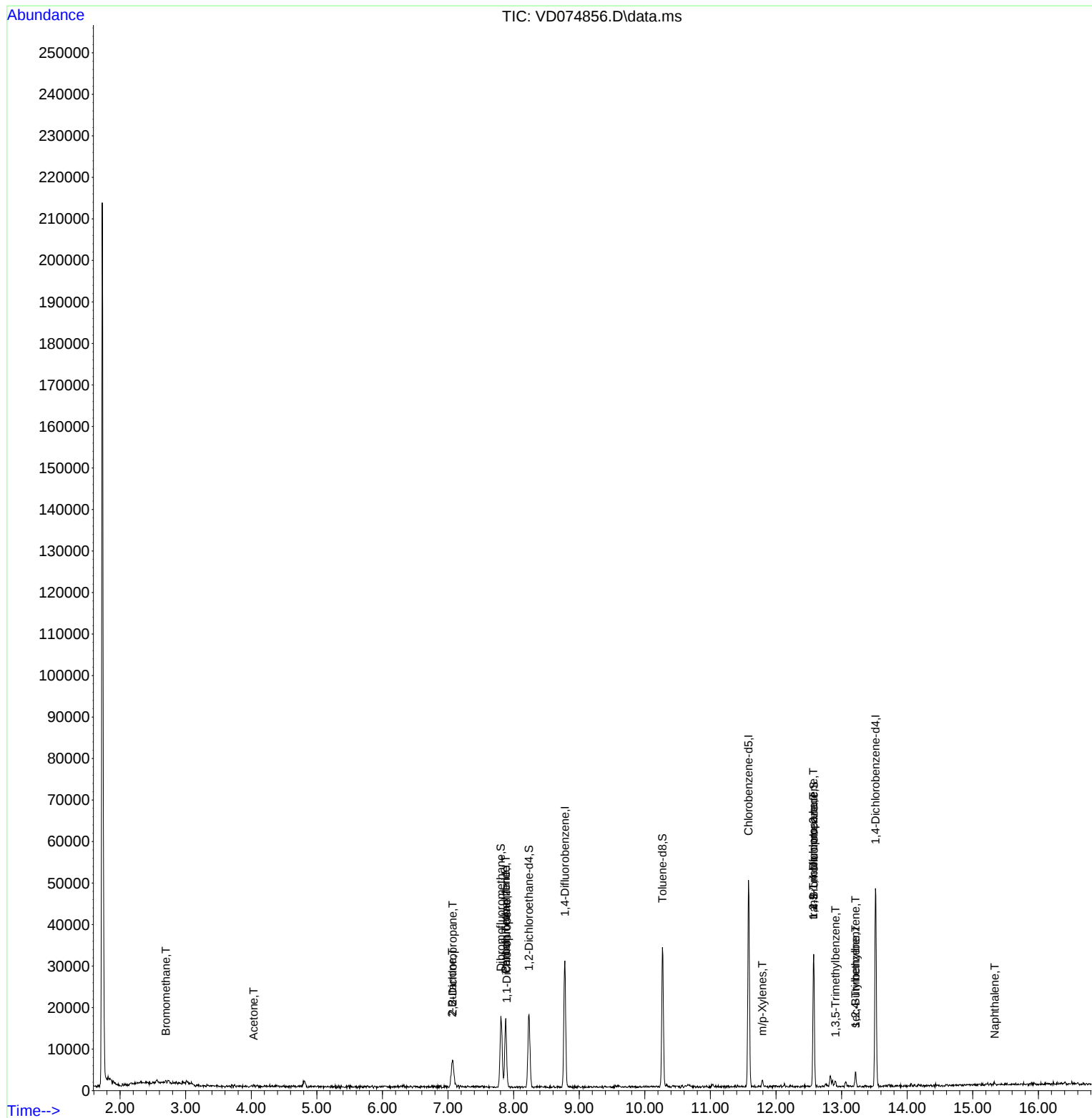
Internal Standards						
1) Pentafluorobenzene	7.881	168	13929	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	30760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	32279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	14741	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	14362	130.184	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 260.360%#			
35) Dibromofluoromethane	7.805	113	12576	69.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.220%			
50) Toluene-d8	10.269	98	25286	38.097	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 76.200%			
62) 4-Bromofluorobenzene	12.575	95	9878	51.545	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.080%			
Target Compounds						Qvalue
5) Bromomethane	2.699	94	156	1.028	ug/l	99
16) Acetone	4.034	43	659	28.625	ug/l #	37
20) Methylene Chloride	4.822	84	1488	Below Cal	#	51
25) 2-Butanone	7.063	43	80	2.527	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	393	1.704	ug/l #	50
36) 1,1-Dichloropropene	7.893	75	914	3.309	ug/l #	39
38) Carbon Tetrachloride	7.881	117	1110	4.242	ug/l #	14
68) m/p-Xylenes	11.793	106	790	1.757	ug/l	74
76) 1,2,3-Trichloropropane	12.569	75	5566	48.708	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.904	105	1184	1.347	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.569	75	5566	115.621	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	2529	2.917	ug/l	97
85) sec-Butylbenzene	13.210	105	2529	2.165	ug/l #	56
95) Naphthalene	15.334	128	574	1.105	ug/l #	69

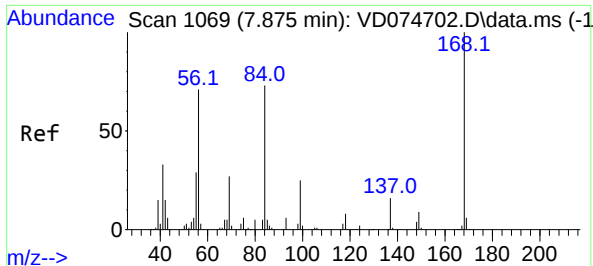
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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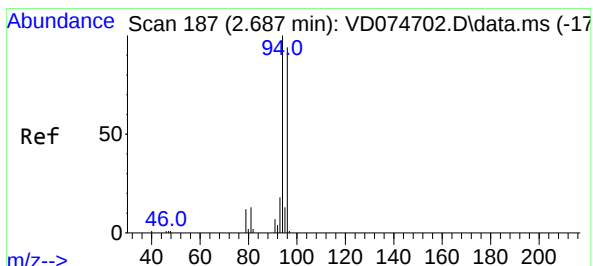
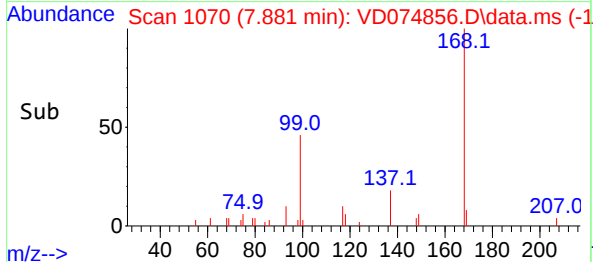
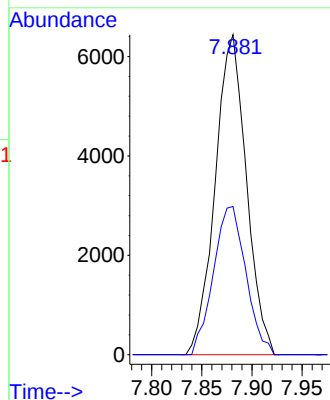
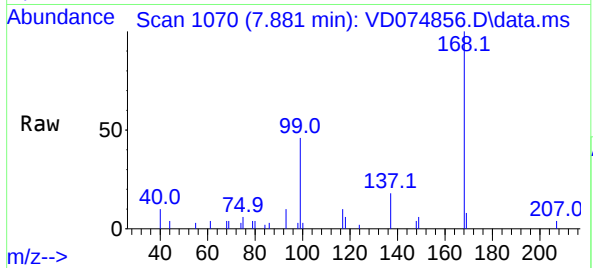




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

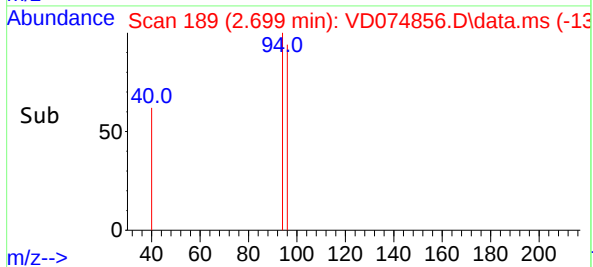
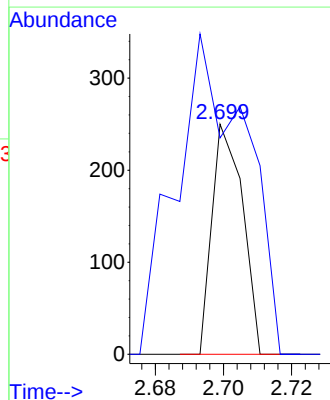
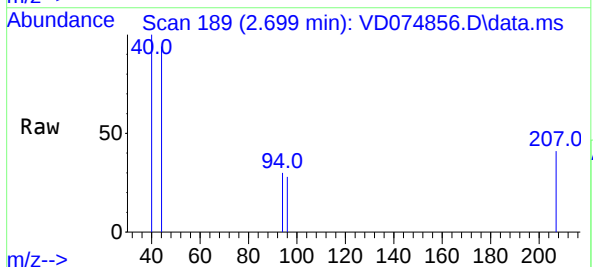
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

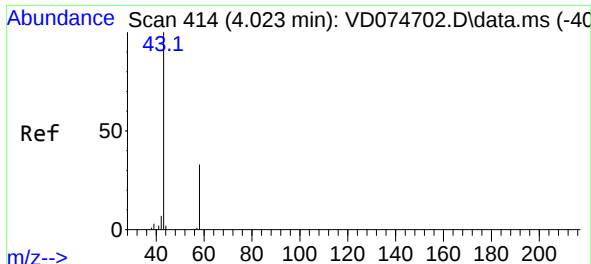
Tgt Ion:168 Resp: 13929
Ion Ratio Lower Upper
168 100
99 46.3 40.9 61.3



#5
Bromomethane
Concen: 1.028 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 94.0 74.6 112.0

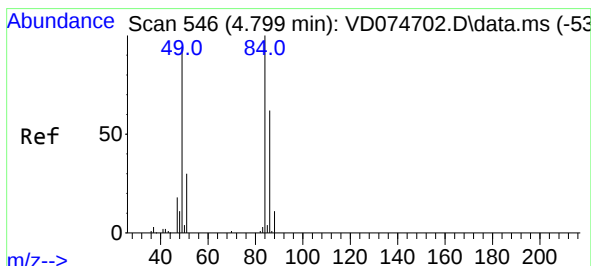
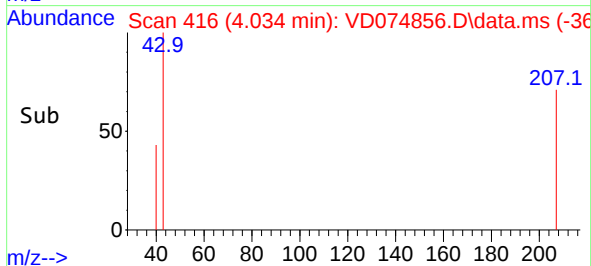
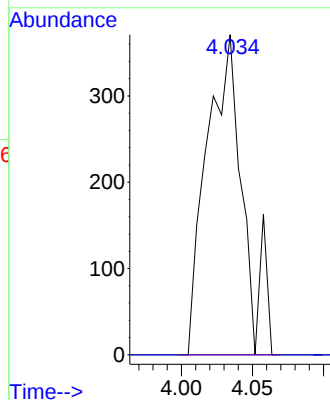
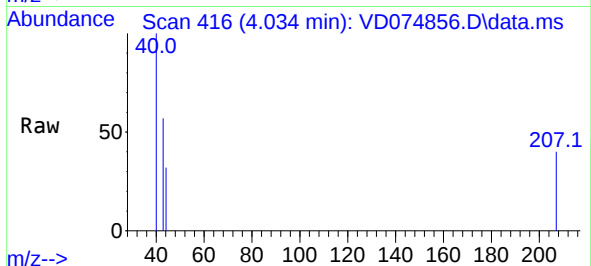




#16
Acetone
Concen: 28.625 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

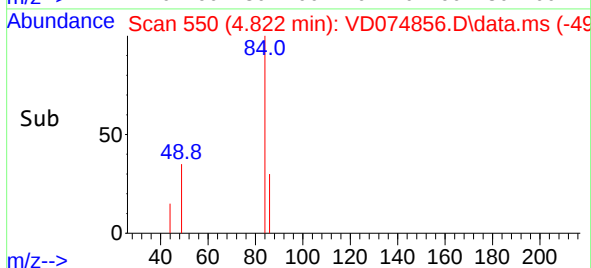
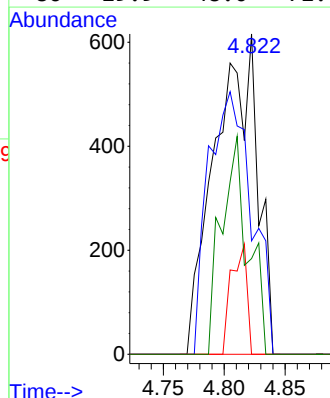
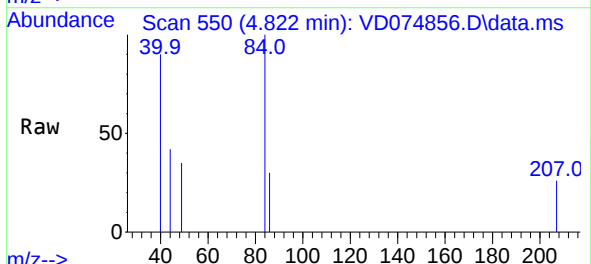
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

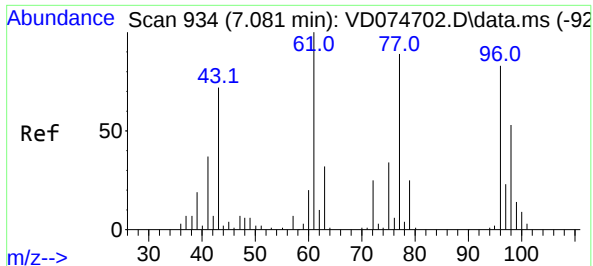
Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 550
Delta R.T. 0.023 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 84 Resp: 1488
Ion Ratio Lower Upper
84 100
49 35.4 68.0 102.0#
51 0.0 23.2 34.8#
86 29.9 48.0 72.0#

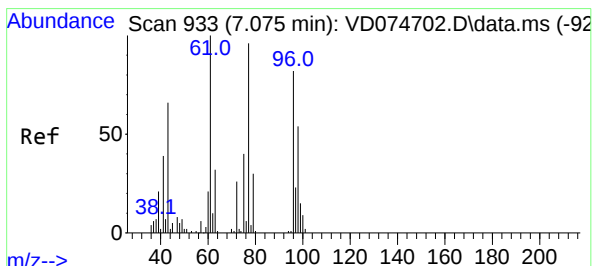
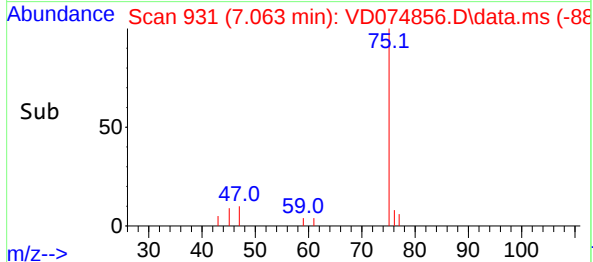
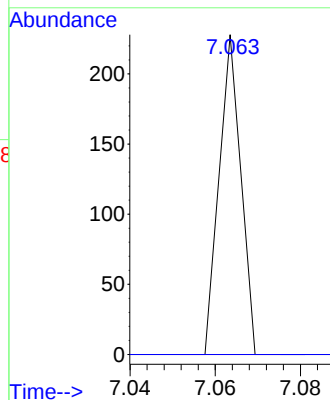
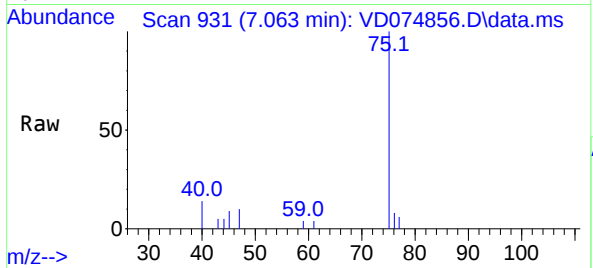




#25
2-Butanone
Concen: 2.527 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

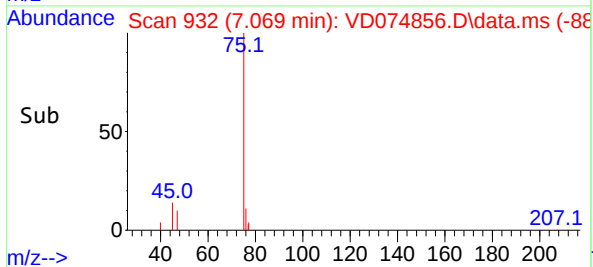
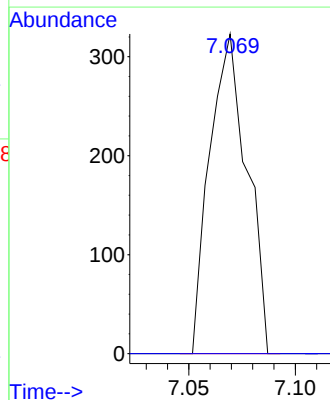
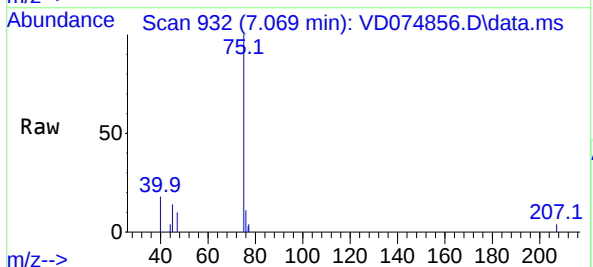
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

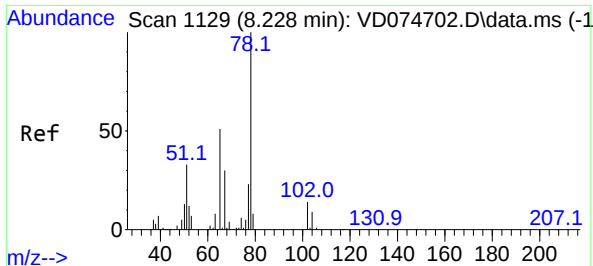
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 1.704 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 77 Resp: 393
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 130.184 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074856.D

Acq: 10 Nov 2022 05:53

Instrument :

MSVOA_D

ClientSampleId :

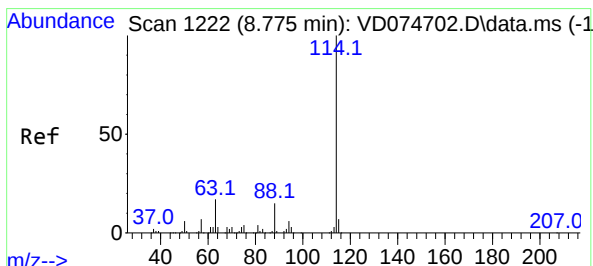
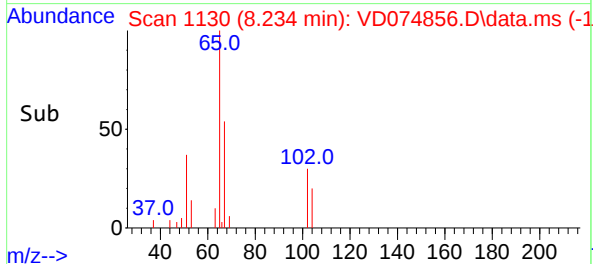
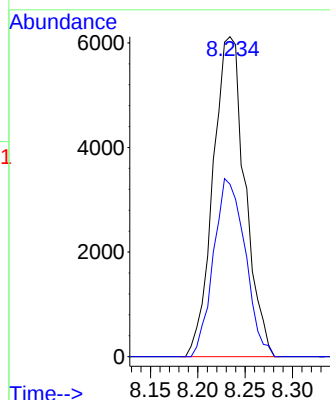
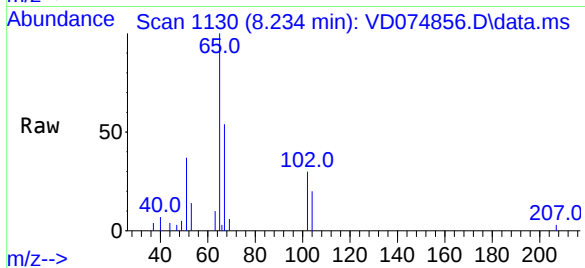
CL-1-110922

Tgt Ion: 65 Resp: 14362

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074856.D

Acq: 10 Nov 2022 05:53

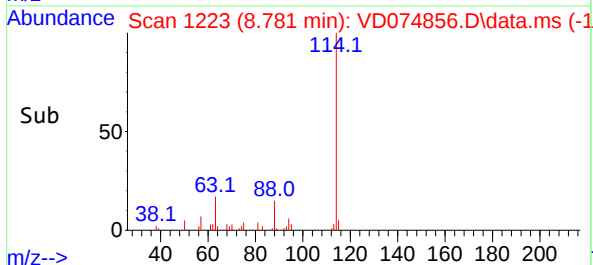
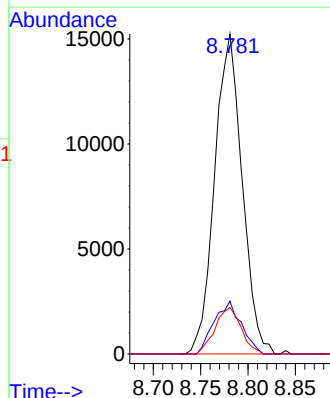
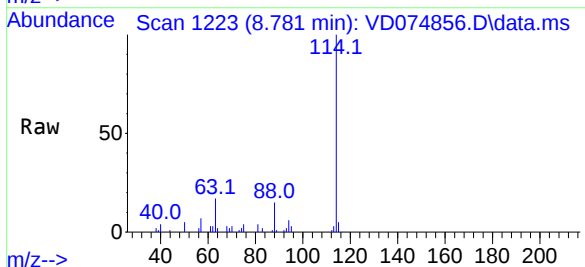
Tgt Ion: 114 Resp: 30760

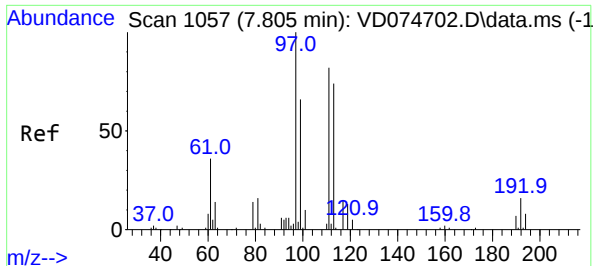
Ion Ratio Lower Upper

114 100

63 16.5 0.0 33.2

88 14.5 0.0 28.2

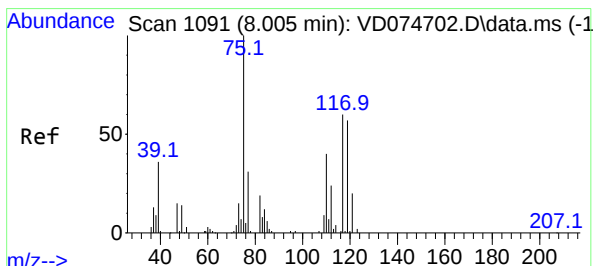
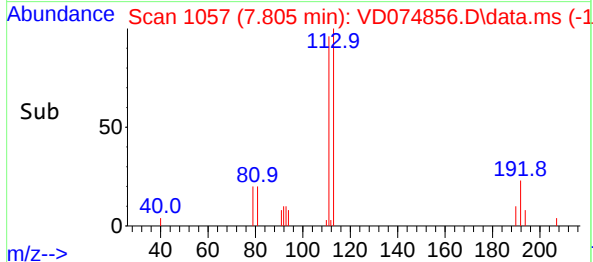
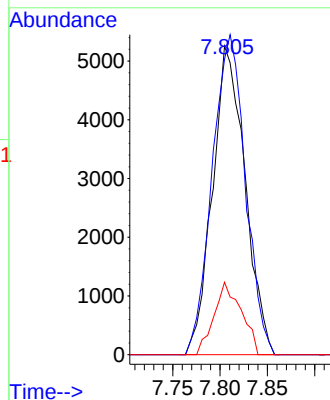
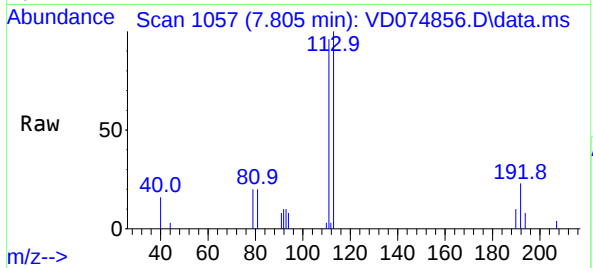




#35
Dibromofluoromethane
Concen: 69.115 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

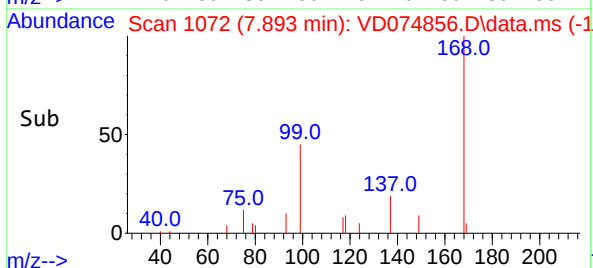
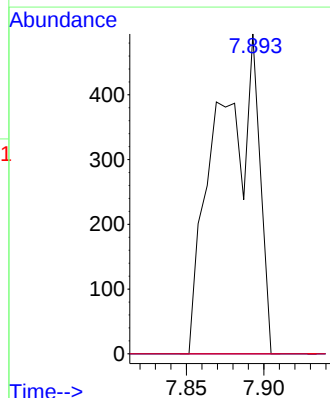
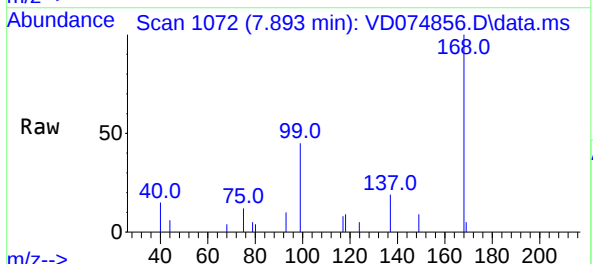
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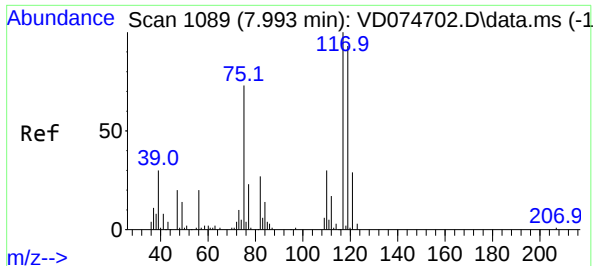
Tgt Ion:	113	Resp:	12576
Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.3	123.5
192	19.7	16.4	24.6



#36
1,1-Dichloropropene
Concen: 3.309 ug/l
RT: 7.893 min Scan# 1072
Delta R.T. -0.112 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion:	75	Resp:	914
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.0#
77	0.0	25.4	38.2#

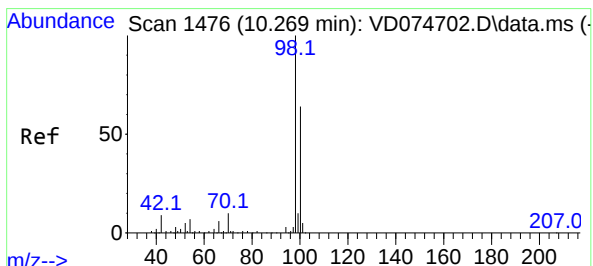
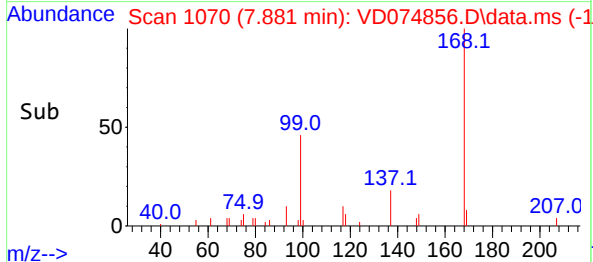
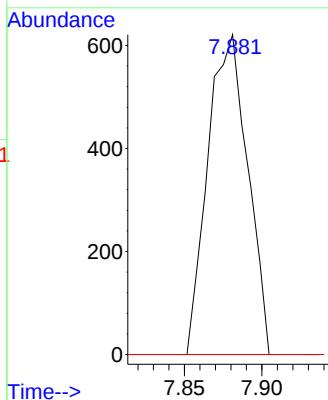
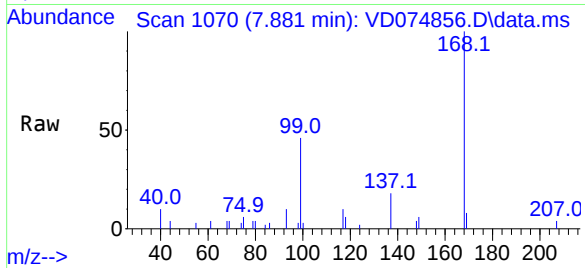




#38
Carbon Tetrachloride
Concen: 4.242 ug/l
RT: 7.881 min Scan# 1110
Delta R.T. -0.112 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

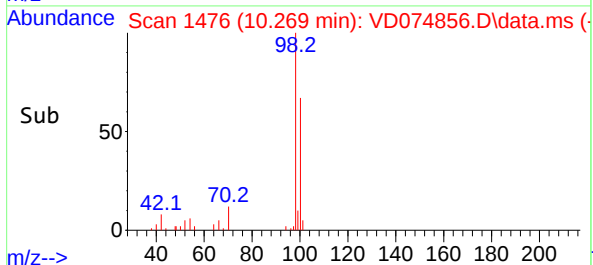
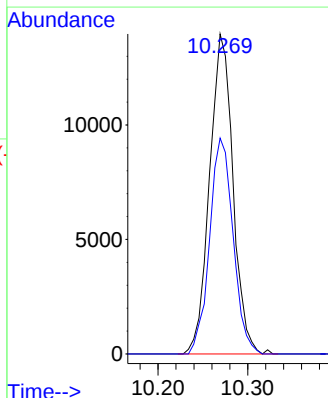
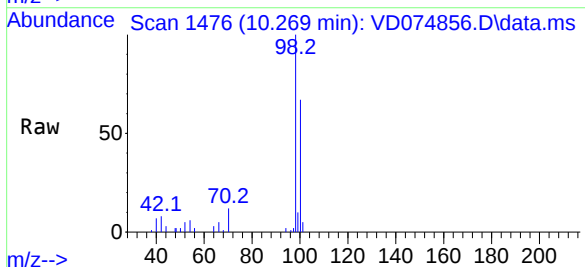
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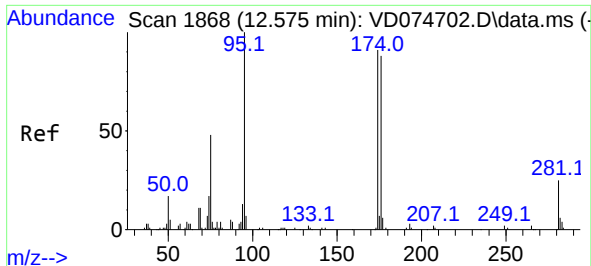
Tgt Ion:117 Resp: 1110
Ion Ratio Lower Upper
117 100
119 0.0 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 38.097 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 98 Resp: 25286
Ion Ratio Lower Upper
98 100
100 67.8 51.4 77.0

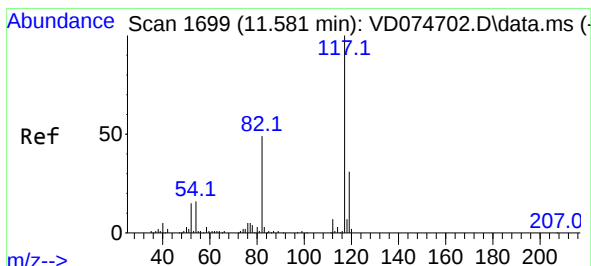
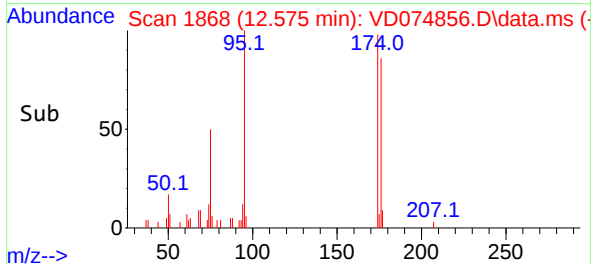
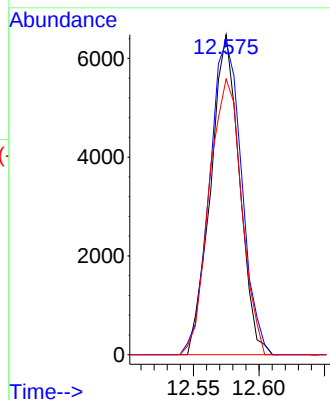
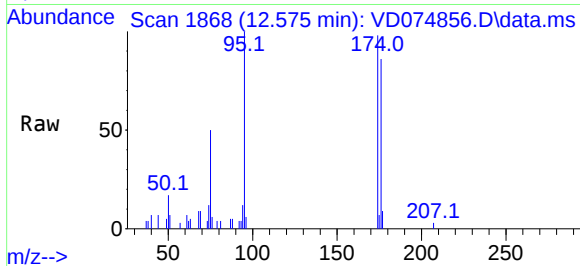




#62
4-Bromofluorobenzene
Concen: 51.545 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

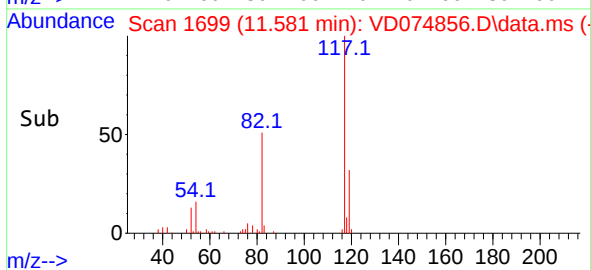
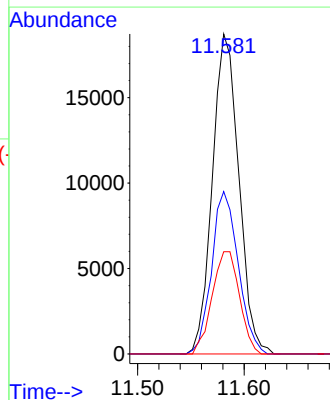
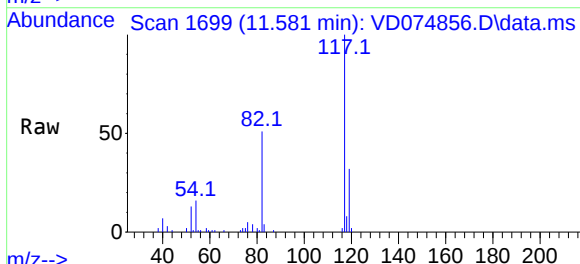
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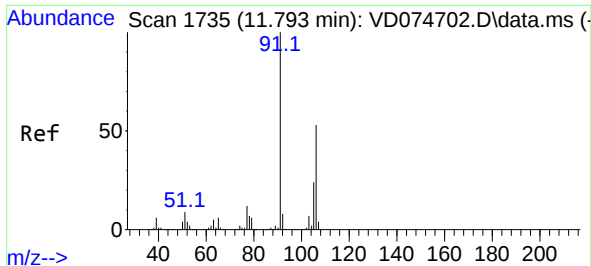
Tgt Ion:	95	Resp:	9878
Ion	Ratio	Lower	Upper
95	100		
174	109.6	0.0	197.0
176	97.0	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion:	117	Resp:	32279
Ion	Ratio	Lower	Upper
117	100		
82	50.8	41.6	62.4
119	32.0	25.2	37.8

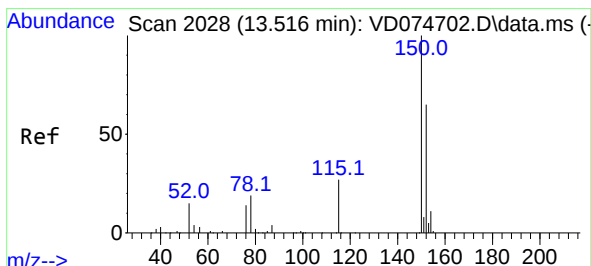
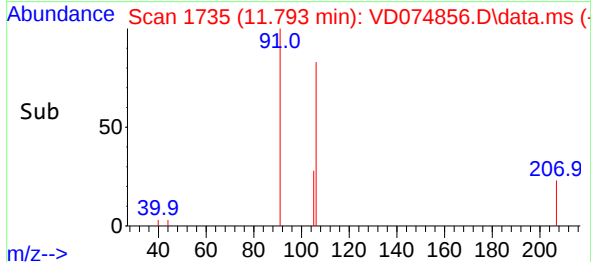
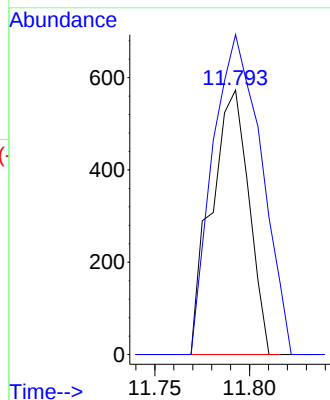
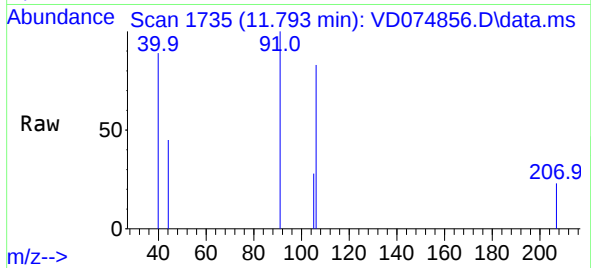




#68
m/p-Xylenes
Concen: 1.757 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

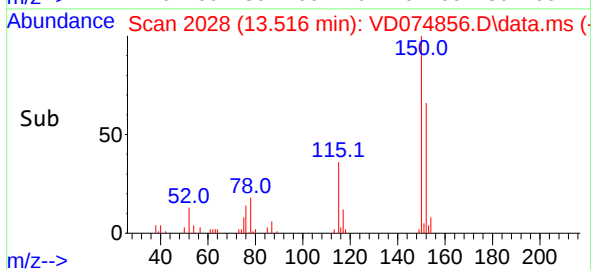
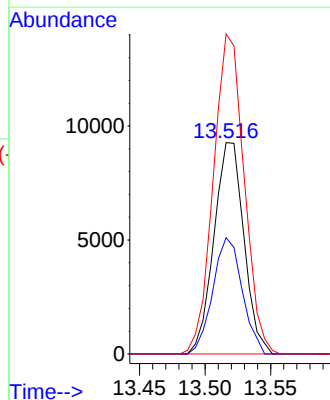
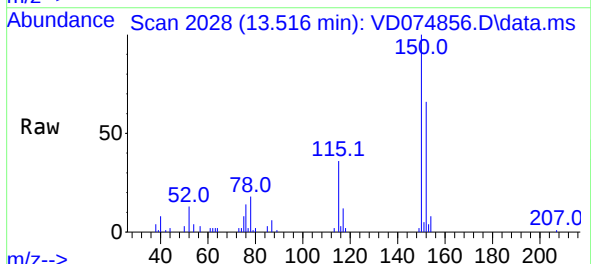
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

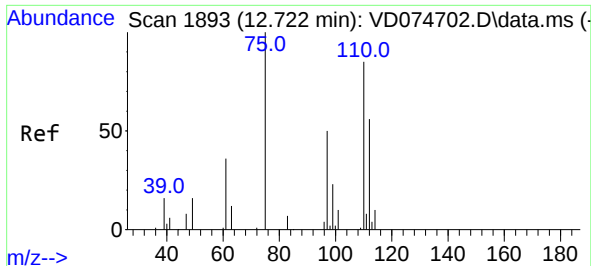
Tgt Ion:106 Resp: 790
Ion Ratio Lower Upper
106 100
91 157.2 156.2 234.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion:152 Resp: 14741
Ion Ratio Lower Upper
152 100
115 53.9 26.8 80.4
150 155.4 0.0 348.2

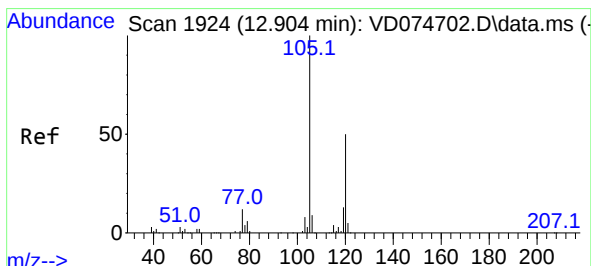
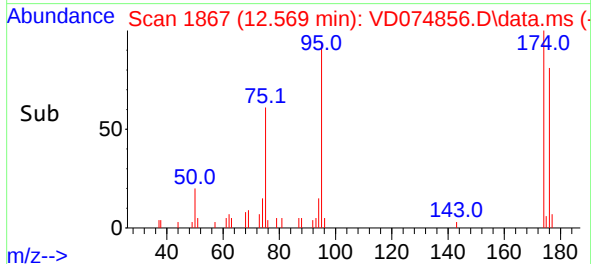
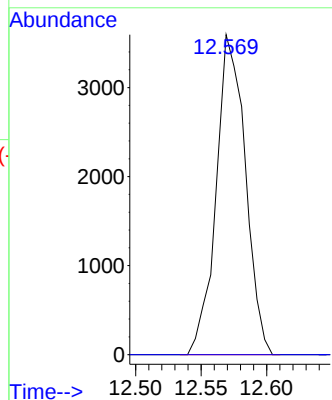
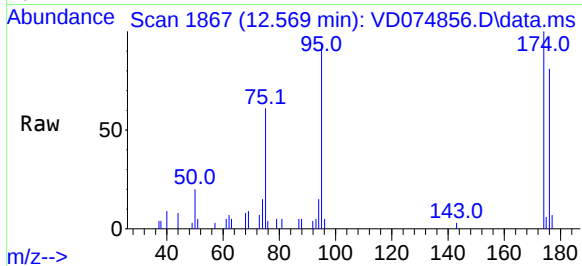




#76
1,2,3-Trichloropropane
Concen: 48.708 ug/l
RT: 12.569 min Scan# 1893
Delta R.T. -0.153 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

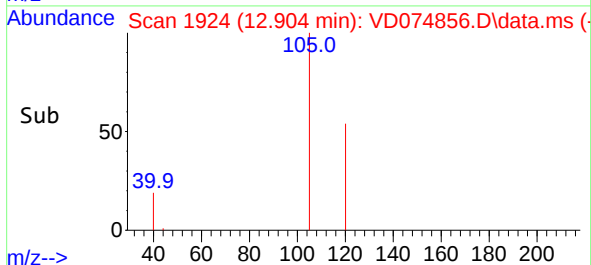
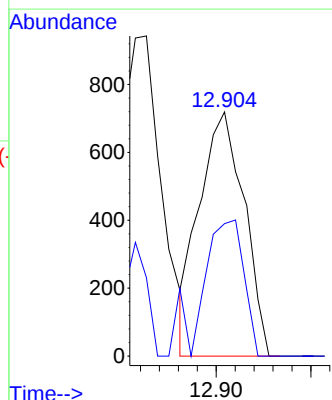
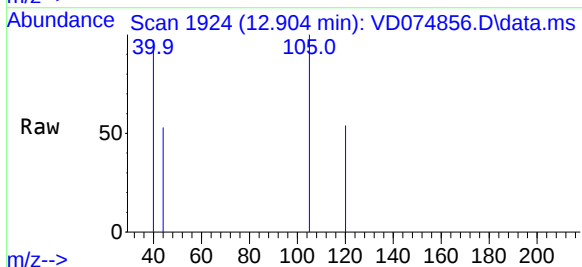
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

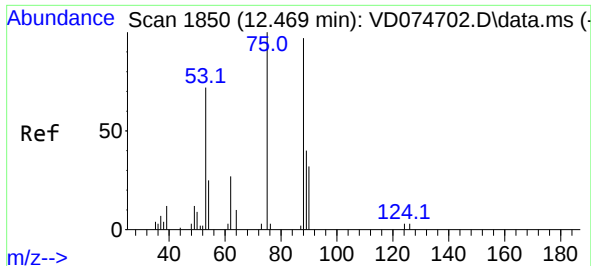
Tgt Ion: 75 Resp: 5566
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#80
1,3,5-Trimethylbenzene
Concen: 1.347 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 105 Resp: 1184
Ion Ratio Lower Upper
105 100
120 51.5 25.7 77.0

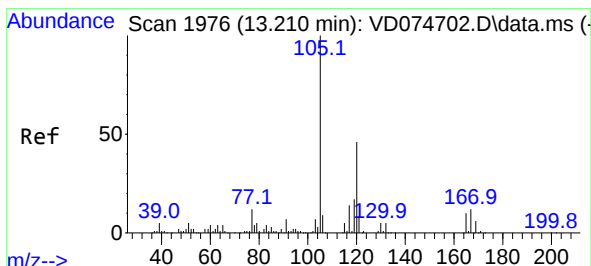
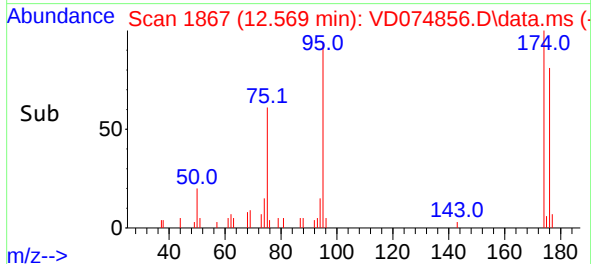
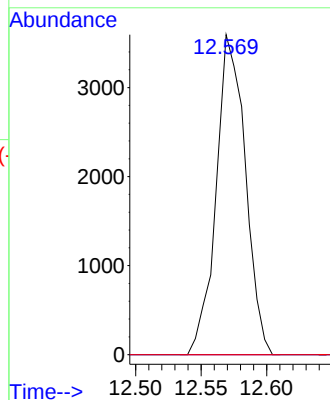
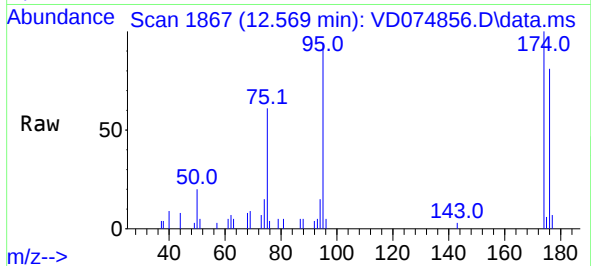




#81
trans-1,4-Dichloro-2-butene
Concen: 115.621 ug/l
RT: 12.569 min Scan# 1850
Delta R.T. 0.100 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

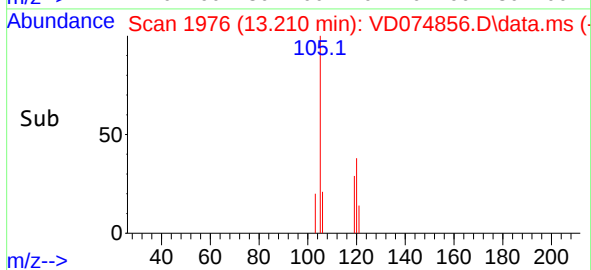
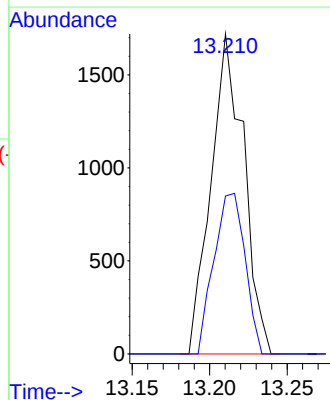
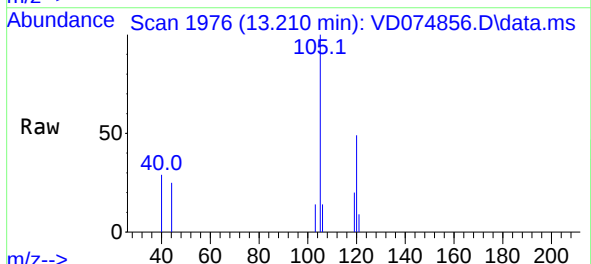
Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

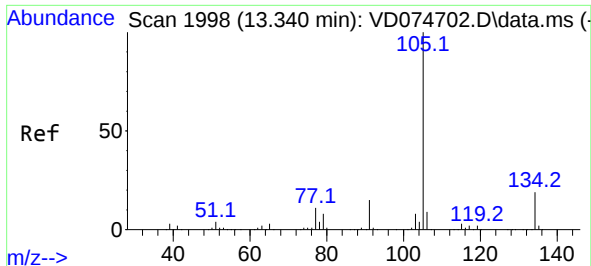
Tgt Ion: 75 Resp: 5566
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.917 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion: 105 Resp: 2529
Ion Ratio Lower Upper
105 100
120 47.5 22.9 68.7

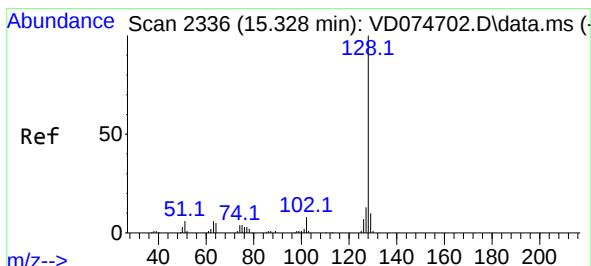
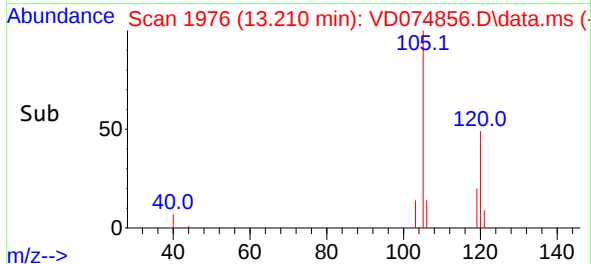
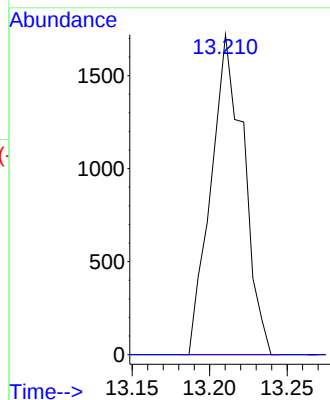
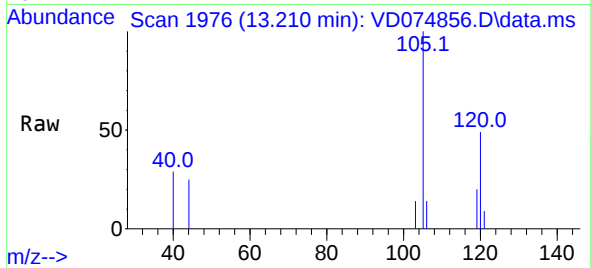




#85
sec-Butylbenzene
Concen: 2.165 ug/l
RT: 13.210 min Scan# 1998
Delta R.T. -0.130 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Instrument :
MSVOA_D
ClientSampleId :
CL-1-110922

Tgt Ion:105 Resp: 2529
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#



#95
Naphthalene
Concen: 1.105 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VD074856.D
Acq: 10 Nov 2022 05:53

Tgt Ion:128 Resp: 574
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.3 12.5#

