

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD112122\
 Data File : VD074999.D
 Acq On : 21 Nov 2022 13:06
 Operator : VA/SY
 Sample : VD1121SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:17:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

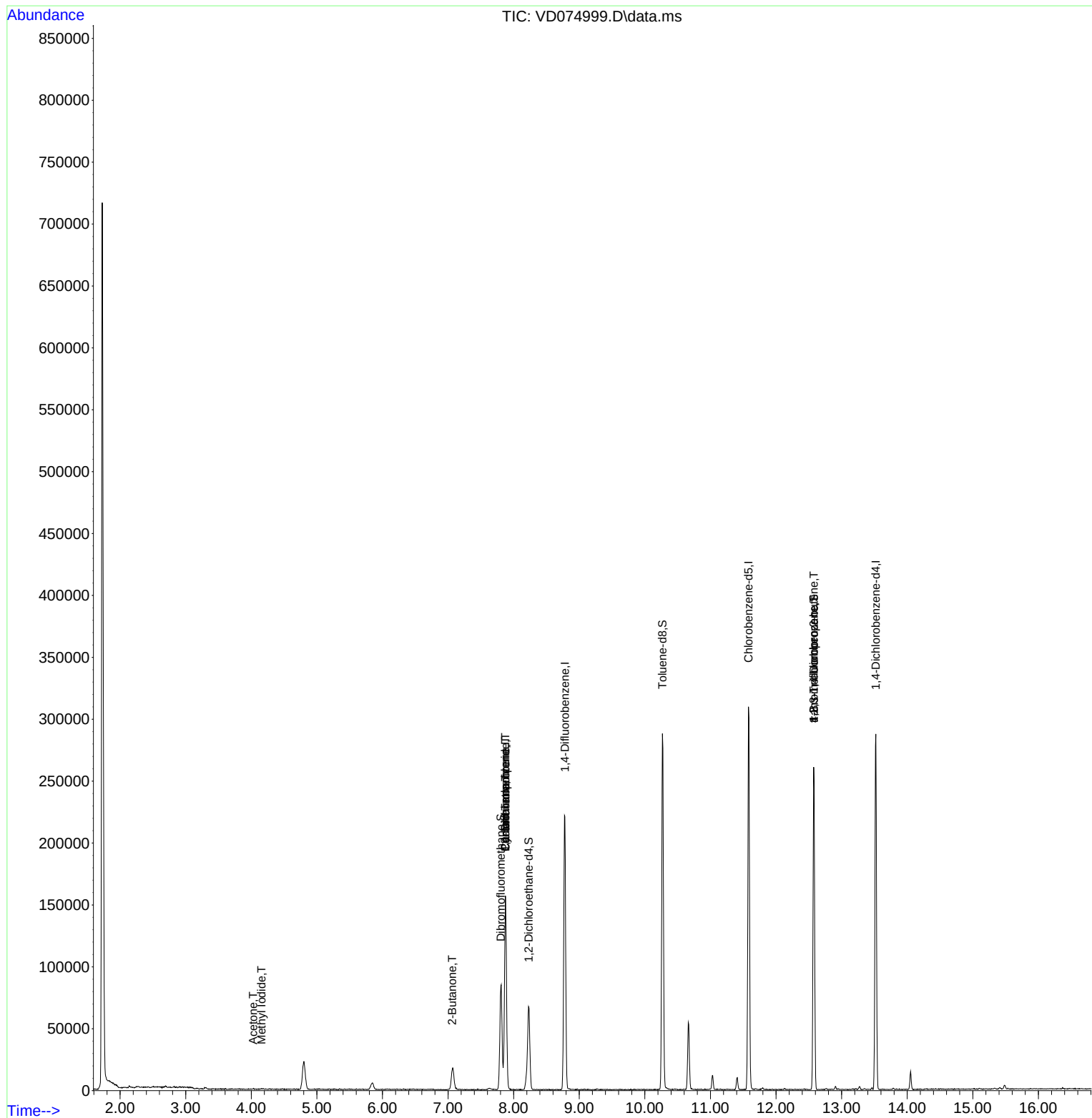
Internal Standards						
1) Pentafluorobenzene	7.875	168	121574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	216021	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	193893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	82862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	51051	64.970	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.940%
35) Dibromofluoromethane	7.804	113	63214	47.472	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.940%
50) Toluene-d8	10.269	98	212686	48.487	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.980%
62) 4-Bromofluorobenzene	12.575	95	66933	49.693	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	612	Below Cal		90
3) Chloromethane	2.146	50	695	Below Cal		99
5) Bromomethane	2.693	94	963	Below Cal		92
10) Methyl Iodide	4.158	142	864	5.299 ug/l	#	51
16) Acetone	4.028	43	660	3.289 ug/l	#	37
18) Methyl Acetate	4.834	43	257	Below Cal	#	44
20) Methylene Chloride	4.805	84	19575	Below Cal		96
25) 2-Butanone	7.063	43	656	2.500 ug/l	#	42
31) Cyclohexane	7.875	56	2400	1.354 ug/l	#	11
36) 1,1-Dichloropropene	7.875	75	8737	4.464 ug/l	#	46
38) Carbon Tetrachloride	7.875	117	11470	6.226 ug/l	#	20
76) 1,2,3-Trichloropropane	12.575	75	33238	47.958 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	33238	117.979 ug/l	#	17

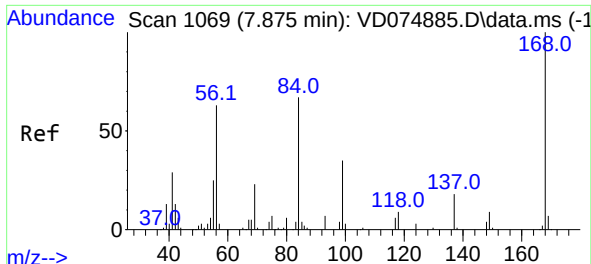
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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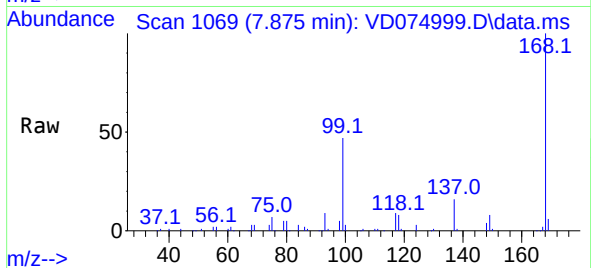
Quant Time: Nov 22 00:17:40 2022
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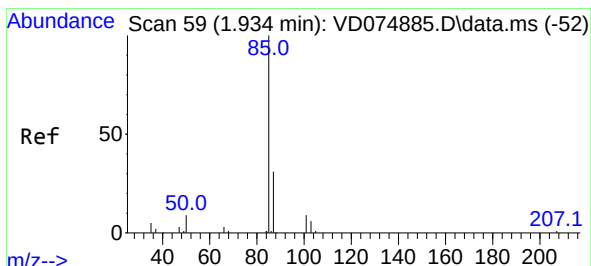
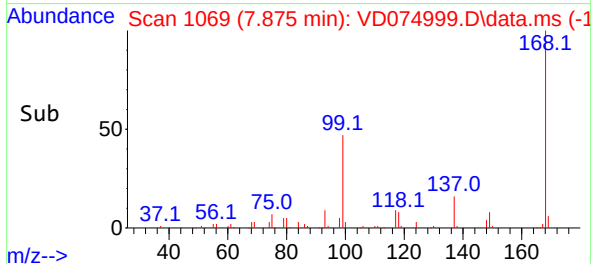
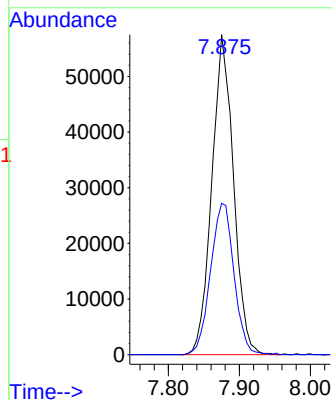


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Instrument :
MSVOA_D
ClientSampleId :

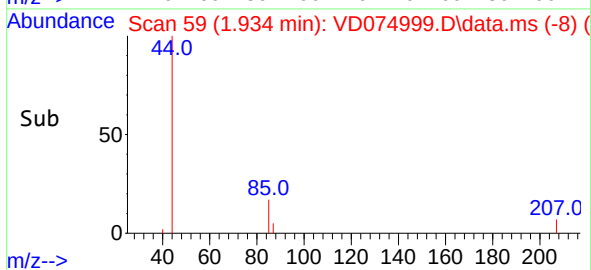
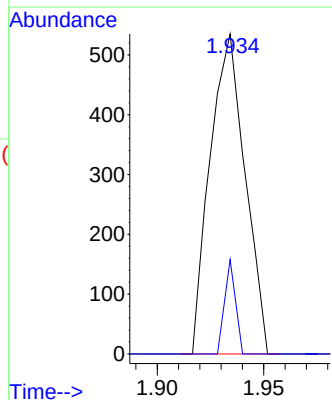
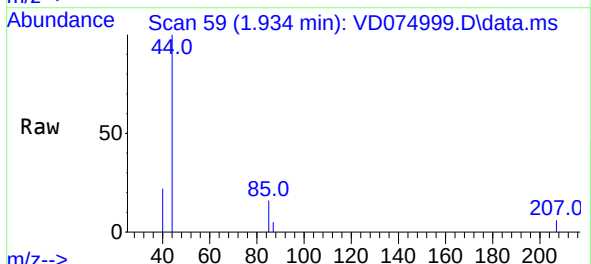


Tgt Ion:168 Resp: 121574
Ion Ratio Lower Upper
168 100
99 47.3 40.9 61.3

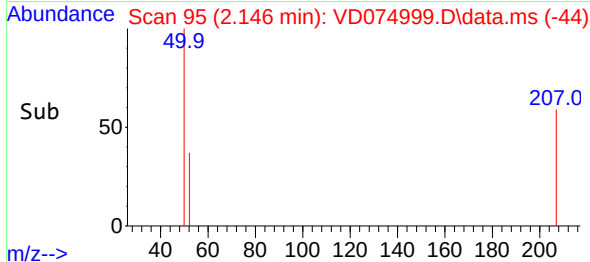
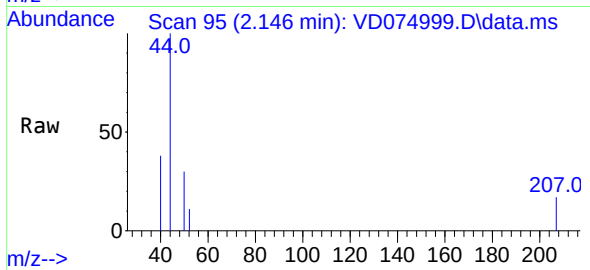
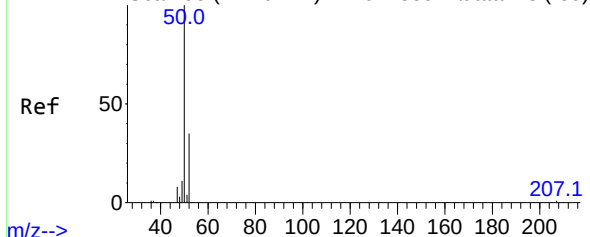


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion: 85 Resp: 612
Ion Ratio Lower Upper
85 100
87 29.5 17.5 52.6



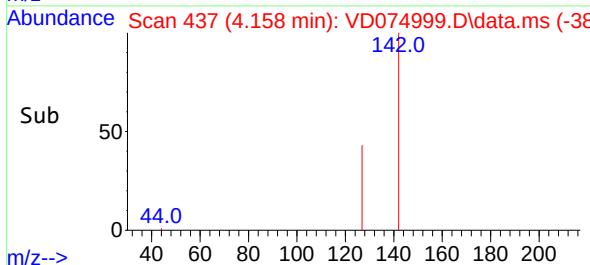
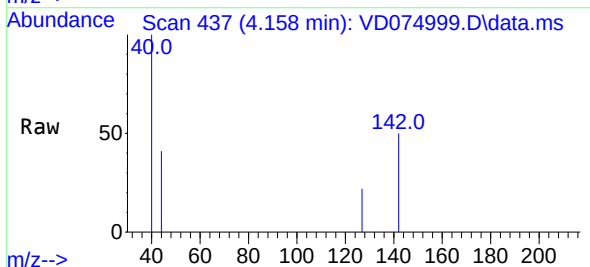
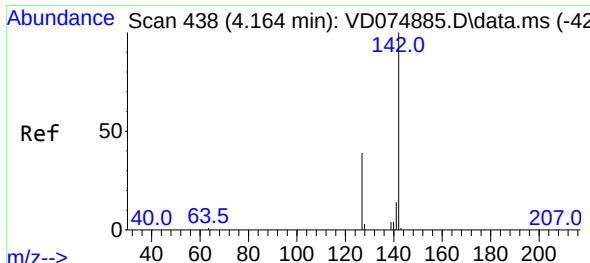
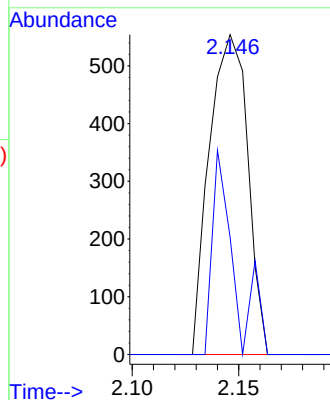
Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

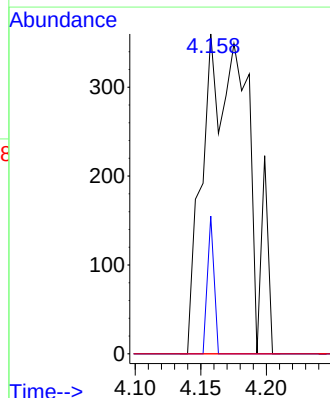
Instrument :
MSVOA_D
ClientSampleId :

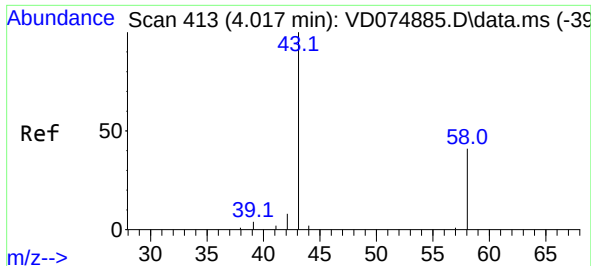
Tgt Ion: 50 Resp: 695
Ion Ratio Lower Upper
50 100
52 36.6 30.0 45.0



#10
Methyl Iodide
Concen: 5.299 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion: 142 Resp: 864
Ion Ratio Lower Upper
142 100
127 6.4 31.9 47.9#
141 0.0 11.4 17.2#

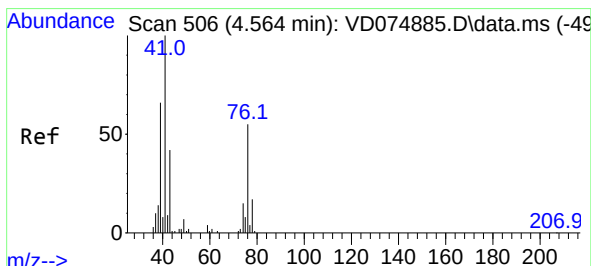
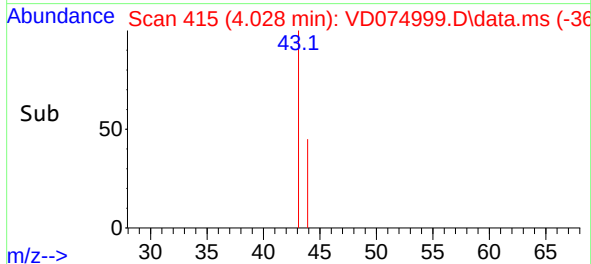
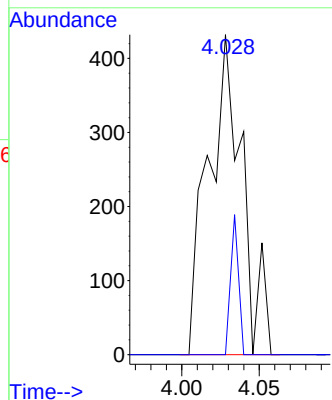
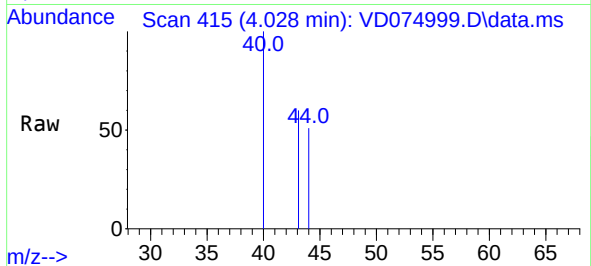




#16
Acetone
Concen: 3.289 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

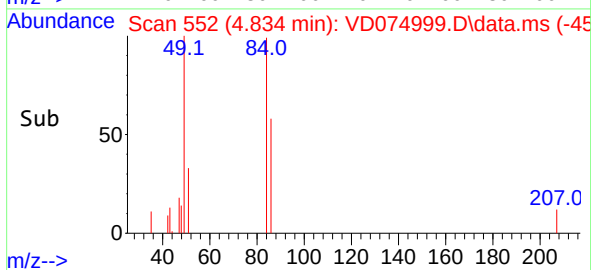
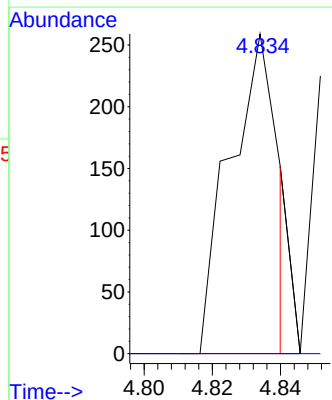
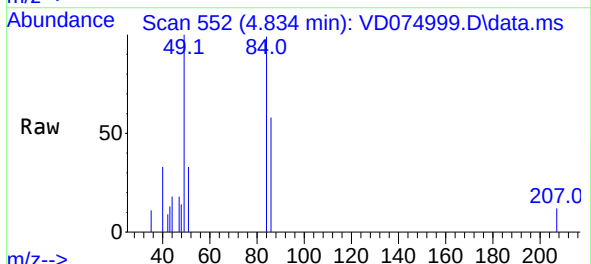
Instrument :
MSVOA_D
ClientSampleId :

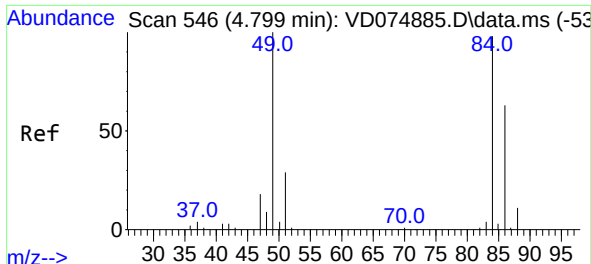
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.834 min Scan# 552
Delta R.T. 0.270 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

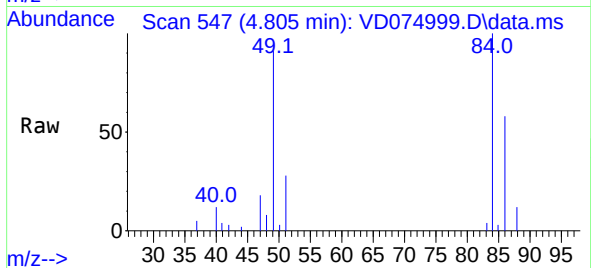
Tgt Ion: 43 Resp: 257
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



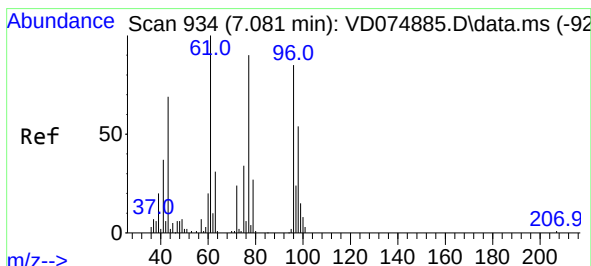
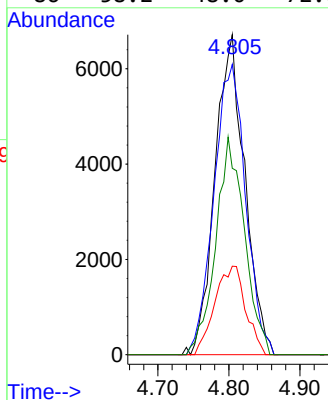
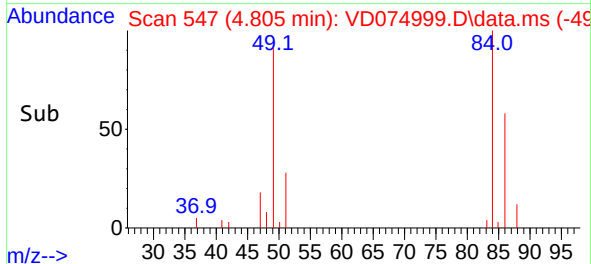


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. 0.006 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Instrument :
MSVOA_D
ClientSampleId :

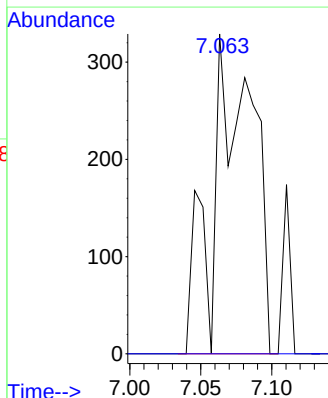
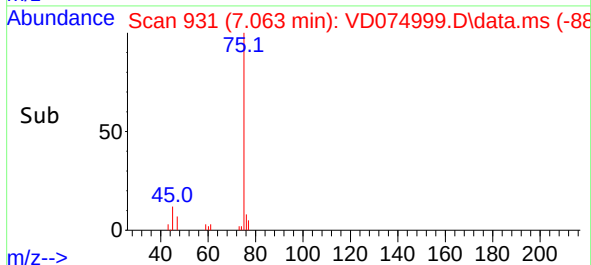
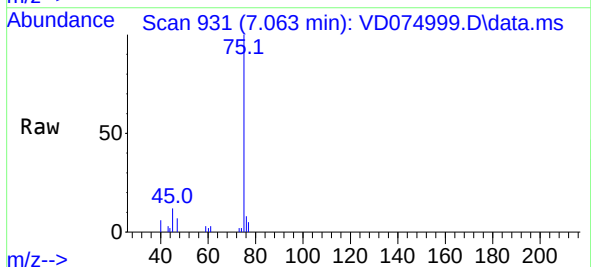


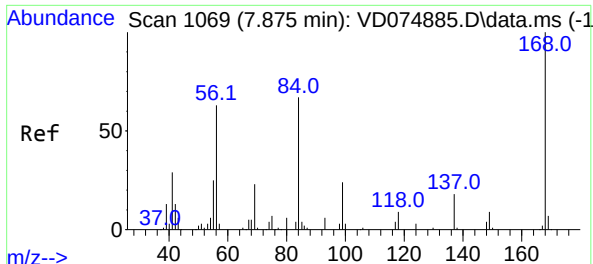
Tgt Ion: 84 Resp: 19575
Ion Ratio Lower Upper
84 100
49 90.7 68.0 102.0
51 27.6 23.2 34.8
86 58.2 48.0 72.0



#25
2-Butanone
Concen: 2.500 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

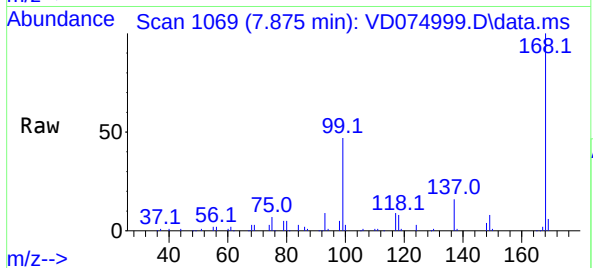
Tgt Ion: 43 Resp: 656
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



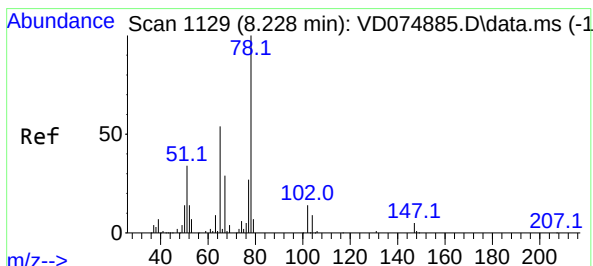
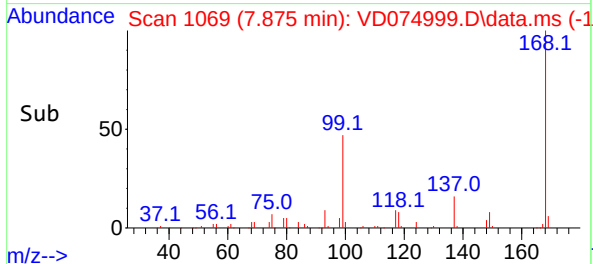
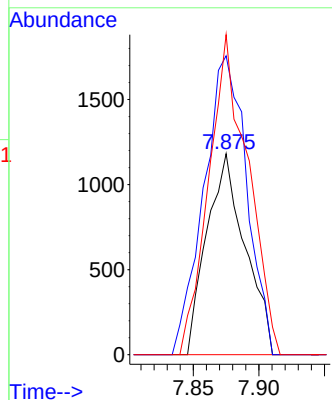


#31
Cyclohexane
Concen: 1.354 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Instrument :
MSVOA_D
ClientSampleId :

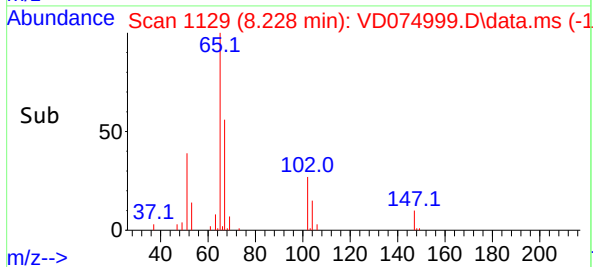
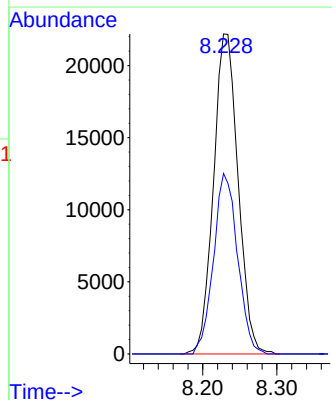
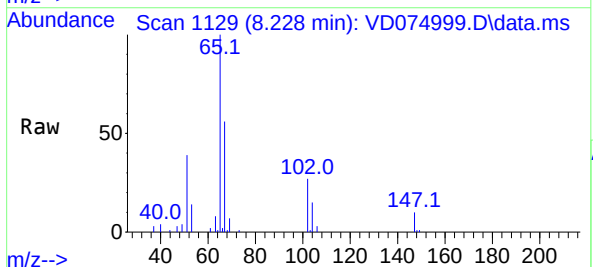


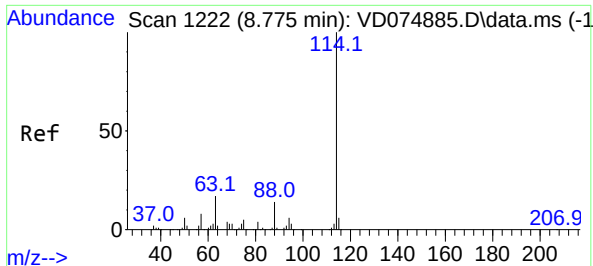
Tgt Ion: 56 Resp: 2400
Ion Ratio Lower Upper
56 100
69 148.8 29.2 43.8#
84 159.3 83.4 125.2#



#33
1,2-Dichloroethane-d4
Concen: 64.970 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion: 65 Resp: 51051
Ion Ratio Lower Upper
65 100
67 55.2 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: VD074999.D

Acq: 21 Nov 2022 13:06

Instrument :

MSVOA_D

ClientSampleId :

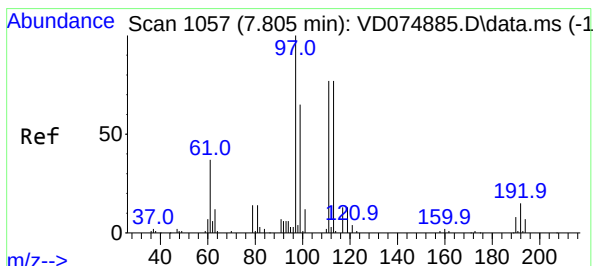
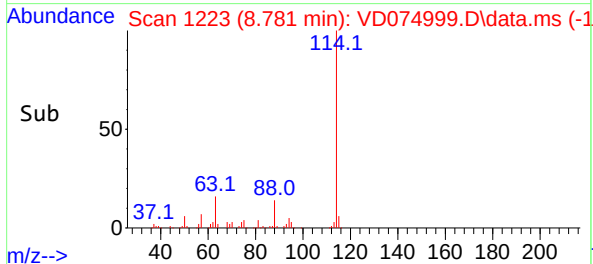
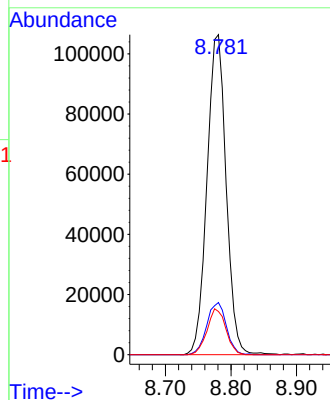
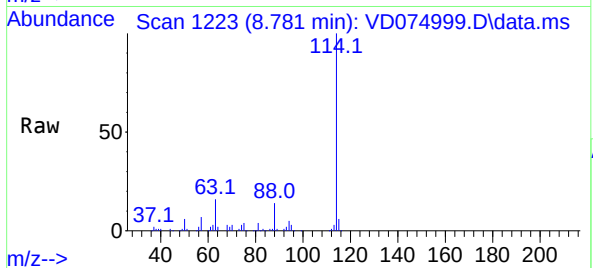
Tgt Ion:114 Resp: 216021

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.2

88 13.5 0.0 28.2



#35

Dibromofluoromethane

Concen: 47.472 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074999.D

Acq: 21 Nov 2022 13:06

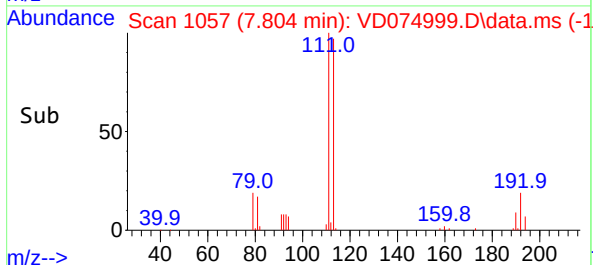
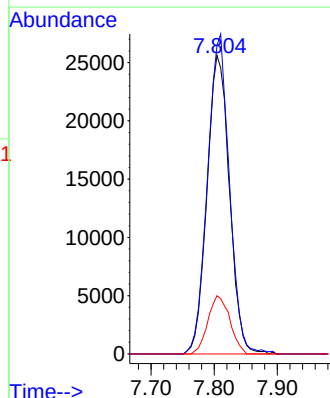
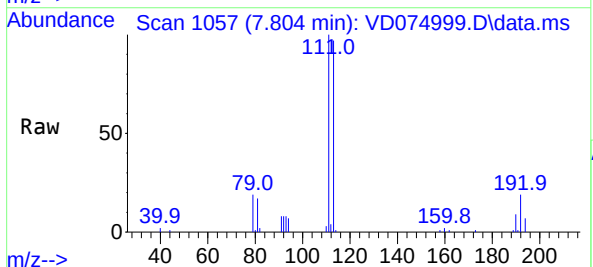
Tgt Ion:113 Resp: 63214

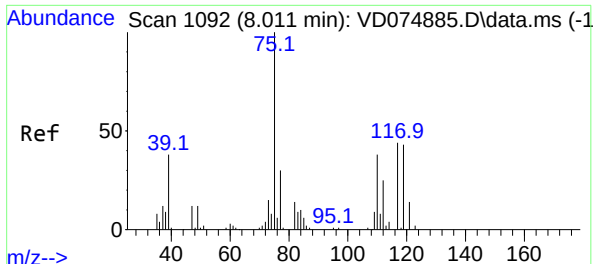
Ion Ratio Lower Upper

113 100

111 104.7 82.3 123.5

192 19.0 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.464 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074999.D

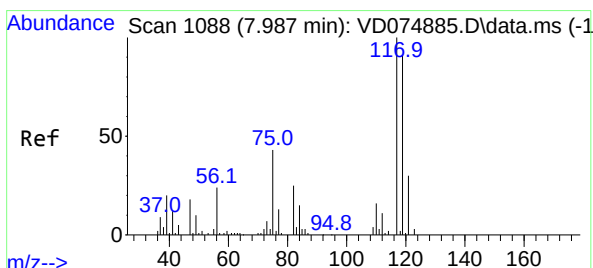
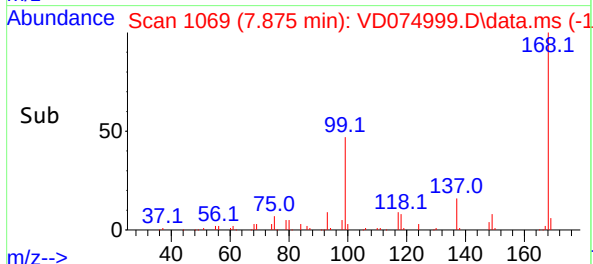
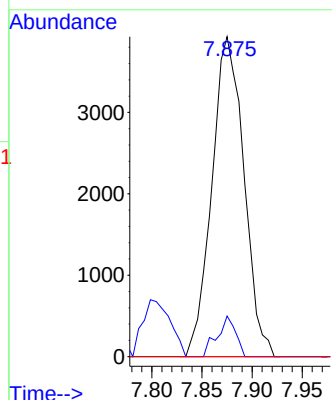
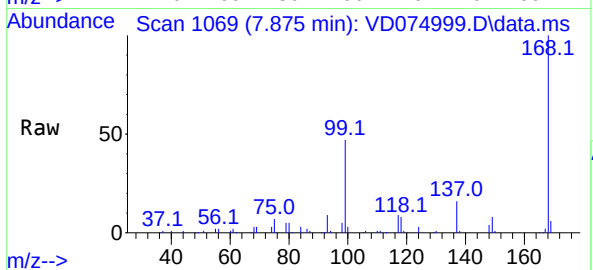
Acq: 21 Nov 2022 13:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 8737
Ion Ratio	Lower Upper
75	100
110	7.3 19.7 59.0#
77	0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.226 ug/l

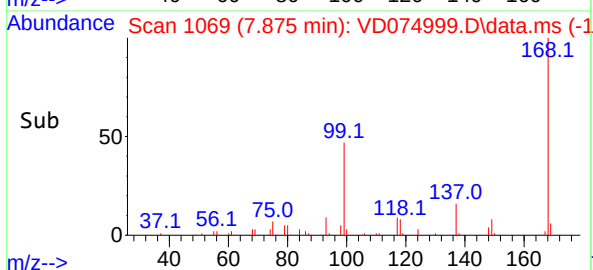
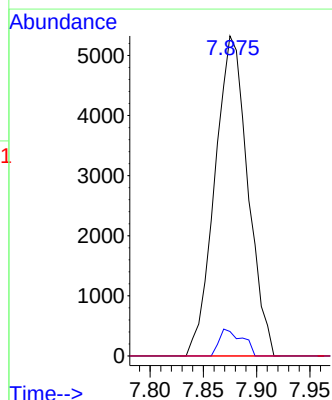
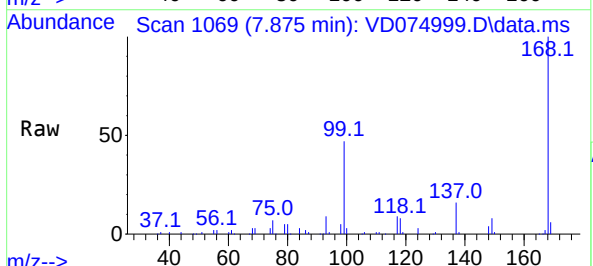
RT: 7.875 min Scan# 1069

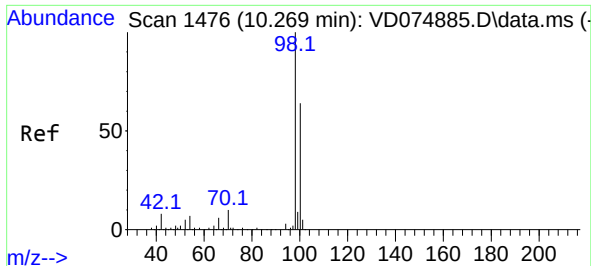
Delta R.T. -0.112 min

Lab File: VD074999.D

Acq: 21 Nov 2022 13:06

Tgt Ion: 117	Resp: 11470
Ion Ratio	Lower Upper
117	100
119	7.6 73.1 109.7#
121	0.0 25.0 37.6#

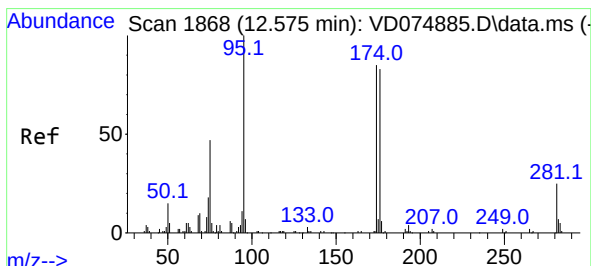
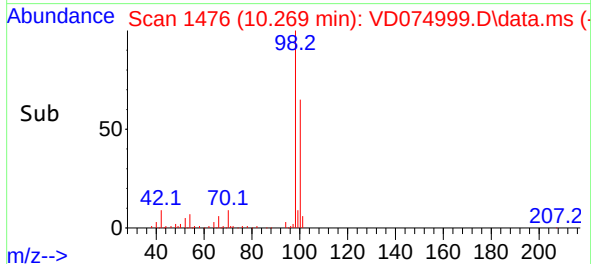
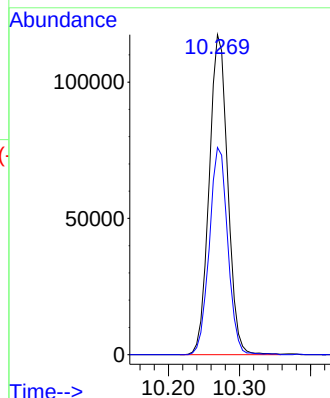
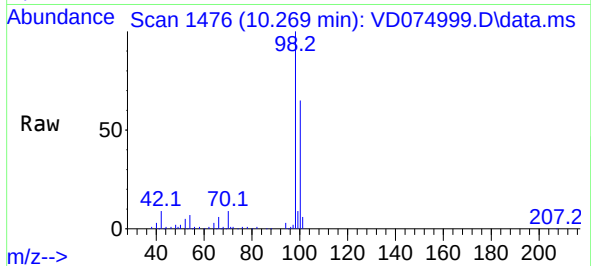




#50
Toluene-d8
Concen: 48.487 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

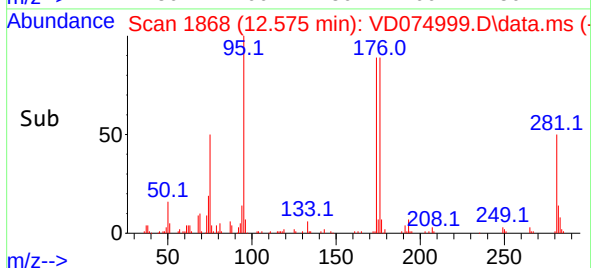
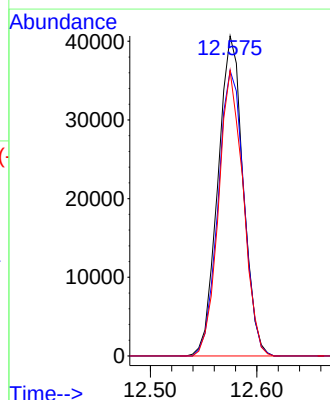
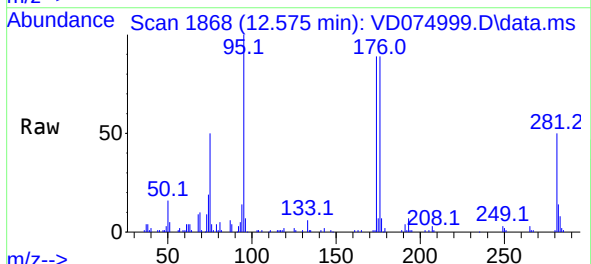
Instrument :
MSVOA_D
ClientSampleId :

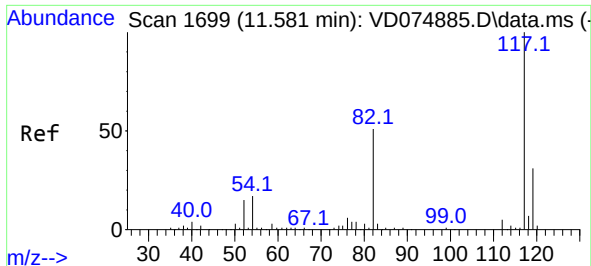
Tgt Ion: 98 Resp: 212686
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 49.693 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion: 95 Resp: 66933
Ion Ratio Lower Upper
95 100
174 91.0 0.0 197.0
176 86.6 0.0 182.6

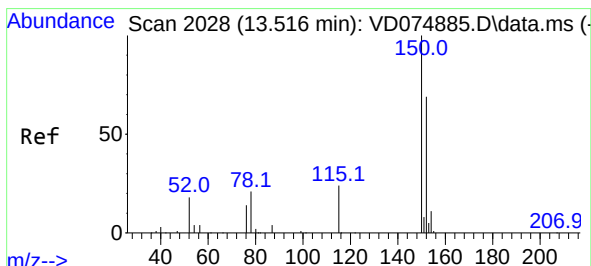
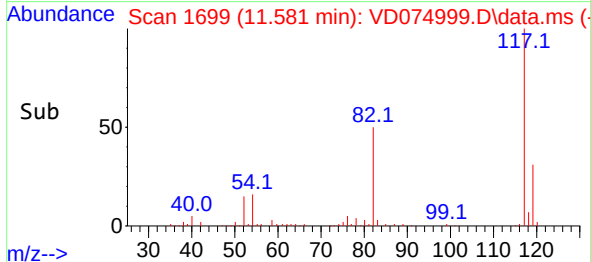
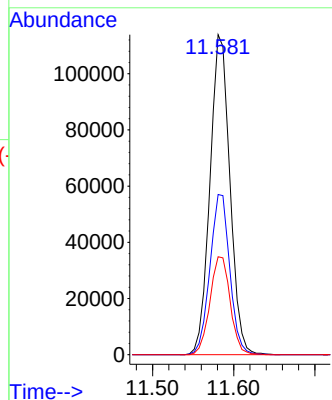
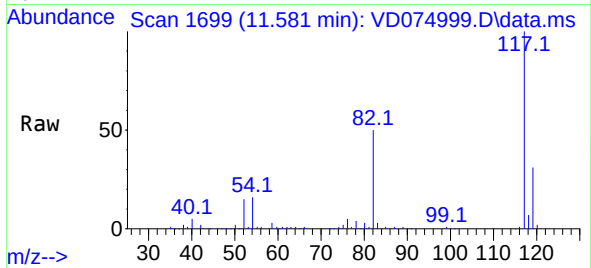




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

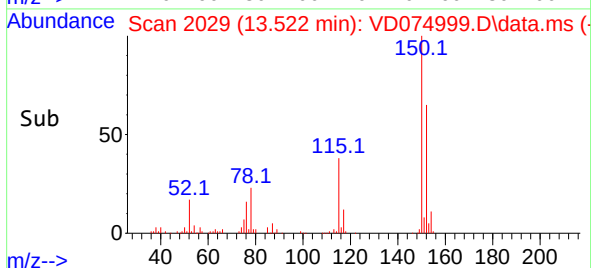
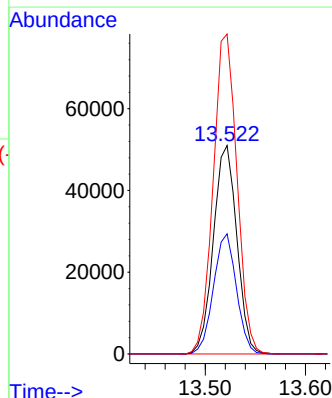
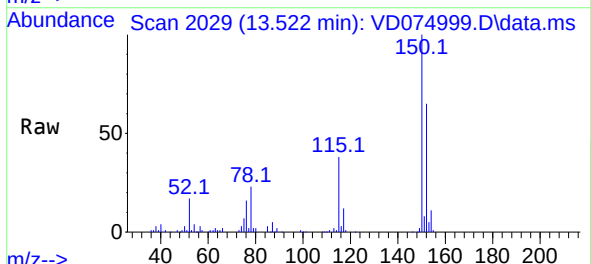
Instrument :
MSVOA_D
ClientSampleId :

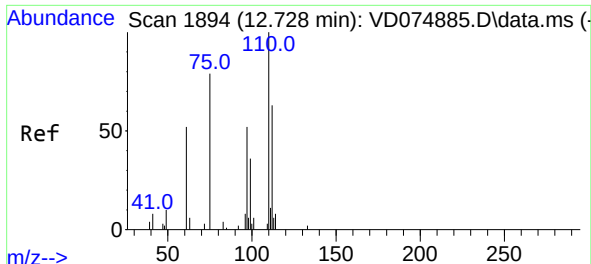
Tgt Ion:117 Resp: 193893
Ion Ratio Lower Upper
117 100
82 50.0 41.6 62.4
119 30.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion:152 Resp: 82862
Ion Ratio Lower Upper
152 100
115 56.3 26.8 80.4
150 155.5 0.0 348.2

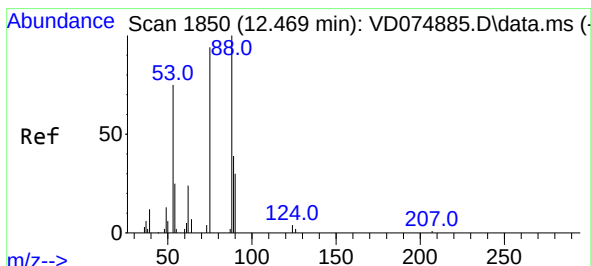
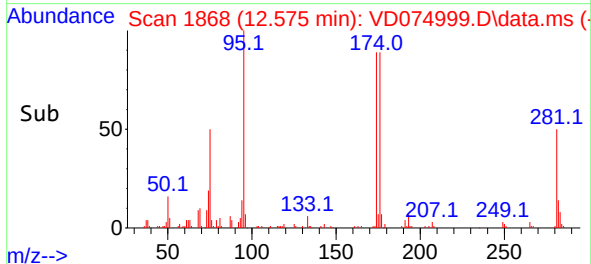
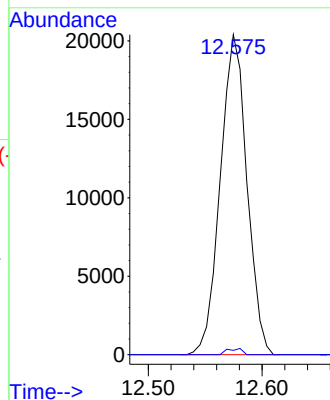
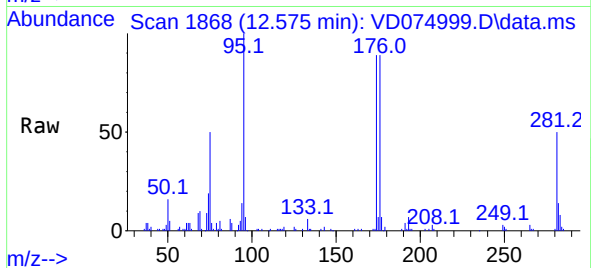




#76
1,2,3-Trichloropropane
Concen: 47.958 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 33238
Ion Ratio Lower Upper
75 100
77 1.1 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 117.979 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074999.D
Acq: 21 Nov 2022 13:06

Tgt Ion: 75 Resp: 33238
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.2 38.2 57.4#

