

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074943.D
 Acq On : 16 Nov 2022 12:34
 Operator : VA/SY
 Sample : VD1116SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1115

Quant Time: Nov 17 00:20:04 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)

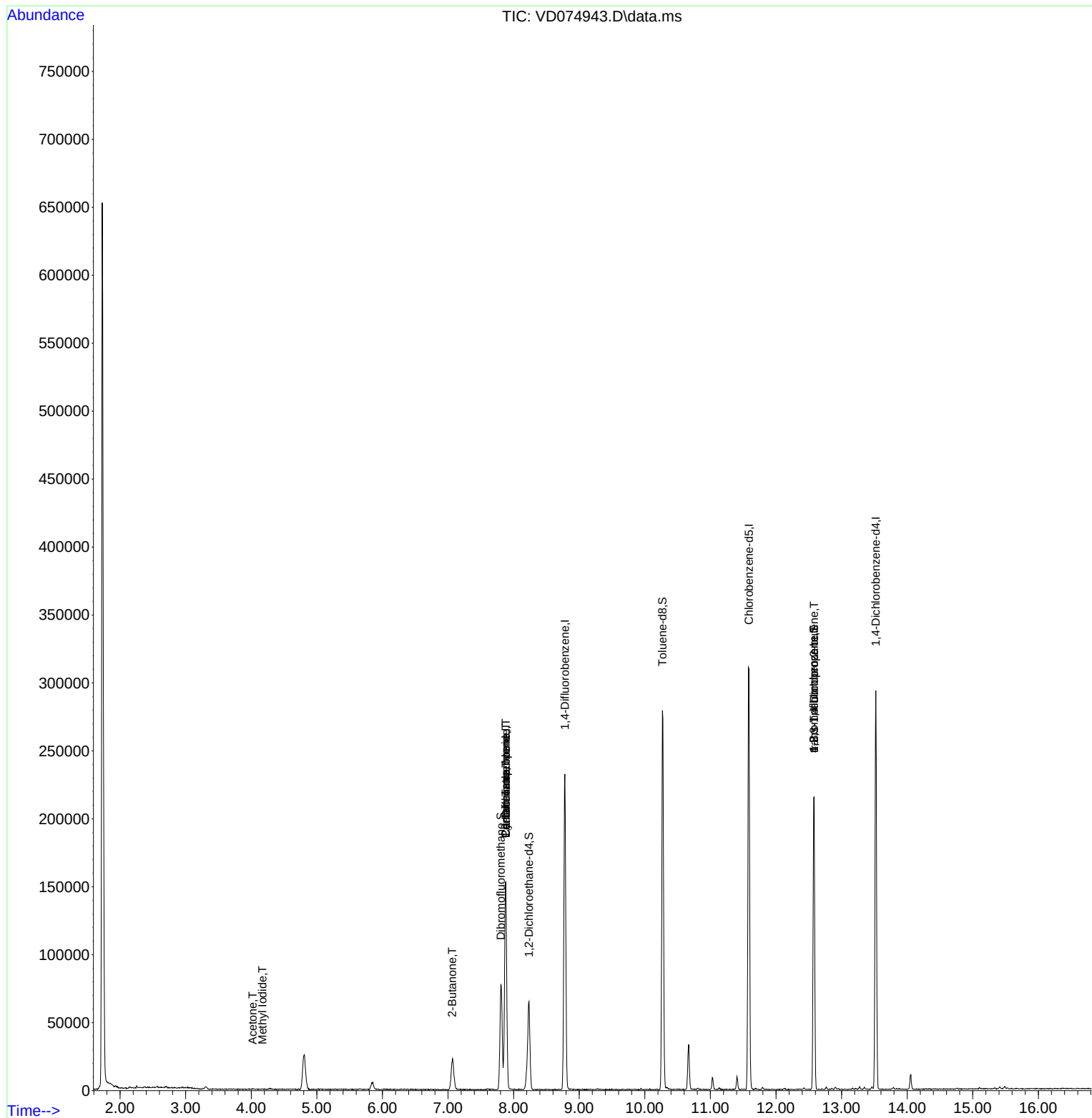
Internal Standards						
1) Pentafluorobenzene	7.881	168	125421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	221370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	198561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	82714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	48733	59.616	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.240%
35) Dibromofluoromethane	7.805	113	59094	43.305	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.620%
50) Toluene-d8	10.269	98	205784	45.780	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.560%
62) 4-Bromofluorobenzene	12.575	95	61087	44.257	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	88.520%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	805	Below Cal		83
3) Chloromethane	2.146	50	679	Below Cal	#	86
5) Bromomethane	2.699	94	879	Below Cal		90
10) Methyl Iodide	4.169	142	221	4.900 ug/l	#	73
11) Tert butyl alcohol	5.058	59	129	Below Cal	#	84
16) Acetone	4.022	43	403	1.946 ug/l	#	37
18) Methyl Acetate	4.828	43	295	Below Cal	#	44
20) Methylene Chloride	4.811	84	23158	Below Cal		98
25) 2-Butanone	7.063	43	794	2.933 ug/l	#	42
31) Cyclohexane	7.881	56	2411	1.319 ug/l	#	1
36) 1,1-Dichloropropene	7.881	75	9401	4.688 ug/l	#	46
38) Carbon Tetrachloride	7.881	117	12324	6.528 ug/l	#	17
76) 1,2,3-Trichloropropane	12.581	75	29774	43.037 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.581	75	29774	105.873 ug/l	#	17

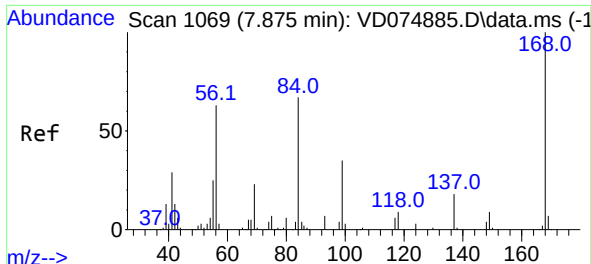
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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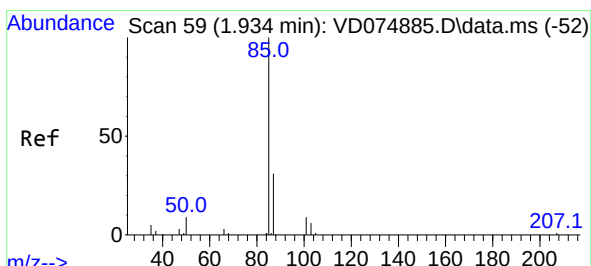
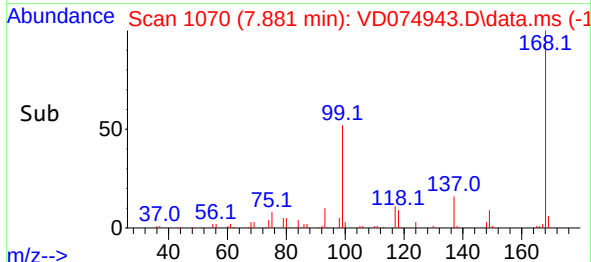
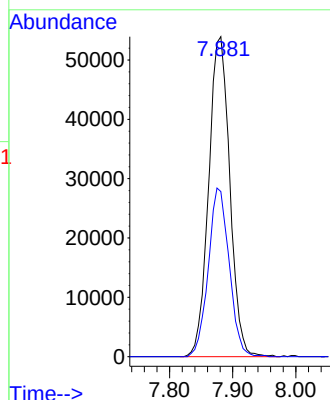
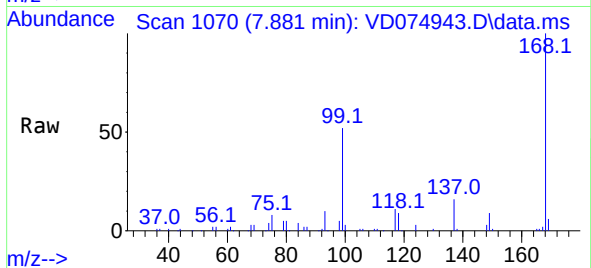




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

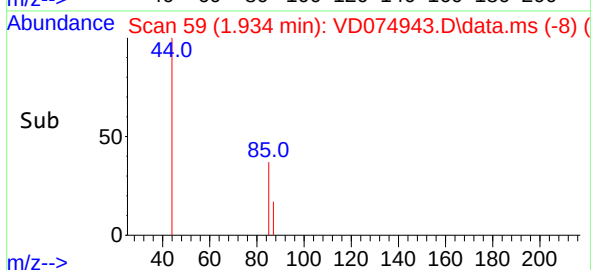
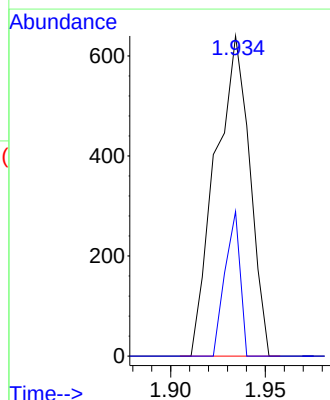
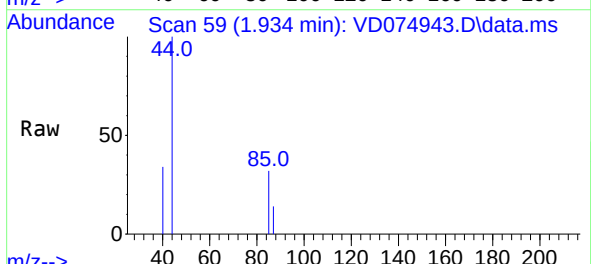
Instrument :
MSVOA_D
ClientSampleId :
VD1115

Tgt Ion:168 Resp: 125421
Ion Ratio Lower Upper
168 100
99 51.6 40.9 61.3

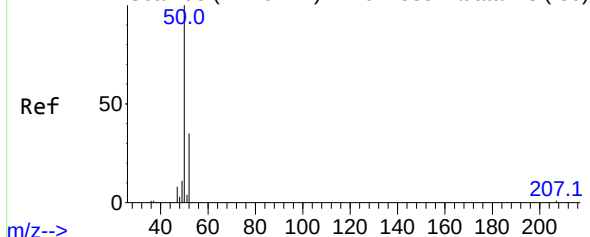


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Tgt Ion: 85 Resp: 805
Ion Ratio Lower Upper
85 100
87 45.2 17.5 52.6

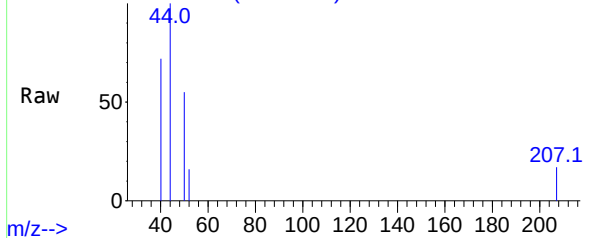


Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



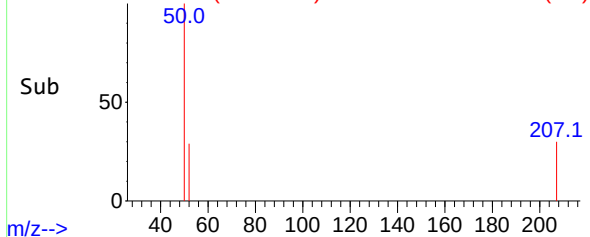
m/z-->

Abundance Scan 95 (2.146 min): VD074943.D\data.ms



m/z-->

Abundance Scan 95 (2.146 min): VD074943.D\data.ms (-44)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.146 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD074943.D

Acq: 16 Nov 2022 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115

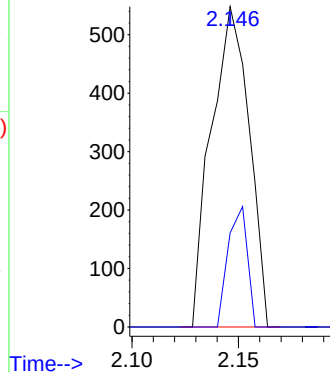
Tgt Ion: 50 Resp: 679

Ion Ratio Lower Upper

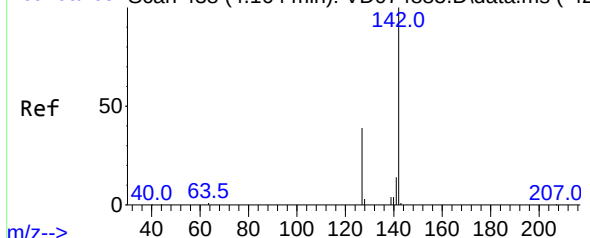
50 100

52 29.4 30.0 45.0#

Abundance

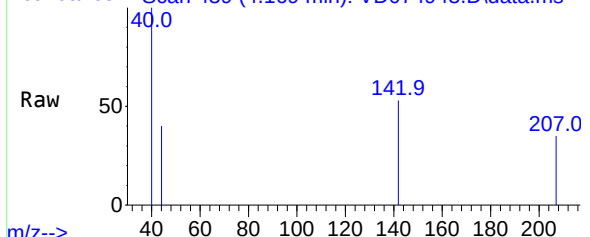


Abundance Scan 438 (4.164 min): VD074885.D\data.ms (-42)



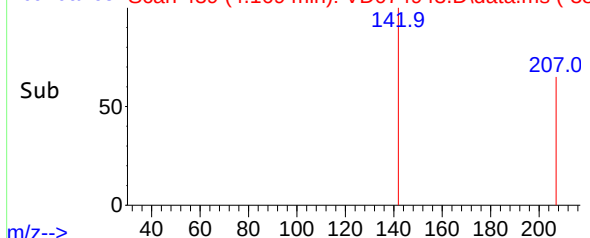
m/z-->

Abundance Scan 439 (4.169 min): VD074943.D\data.ms



m/z-->

Abundance Scan 439 (4.169 min): VD074943.D\data.ms (-38)



m/z-->

#10

Methyl Iodide

Concen: 4.900 ug/l

RT: 4.169 min Scan# 439

Delta R.T. 0.005 min

Lab File: VD074943.D

Acq: 16 Nov 2022 12:34

Tgt Ion: 142 Resp: 221

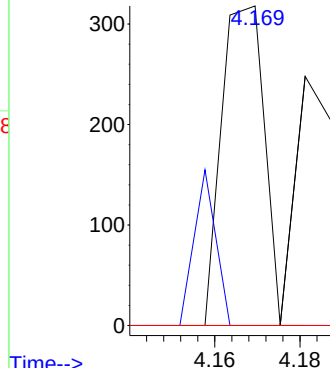
Ion Ratio Lower Upper

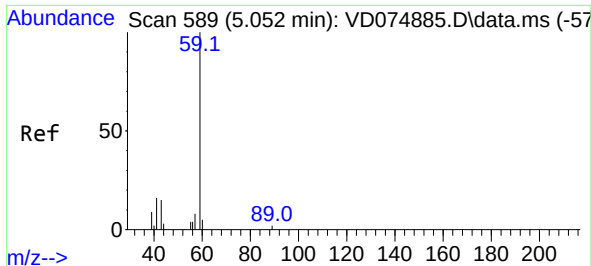
142 100

127 24.9 31.9 47.9#

141 0.0 11.4 17.2#

Abundance

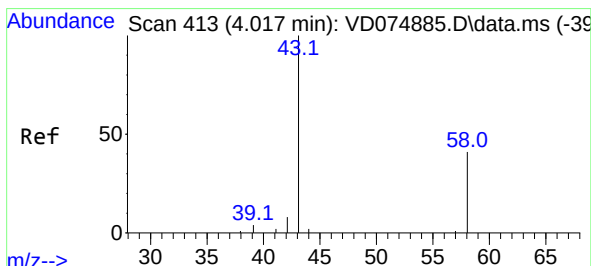
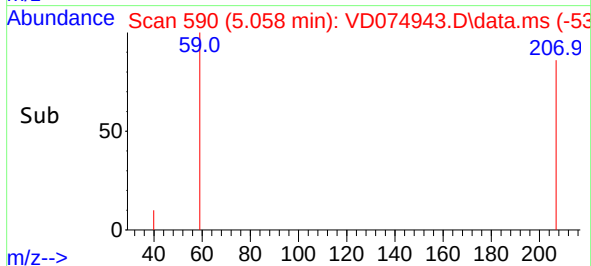
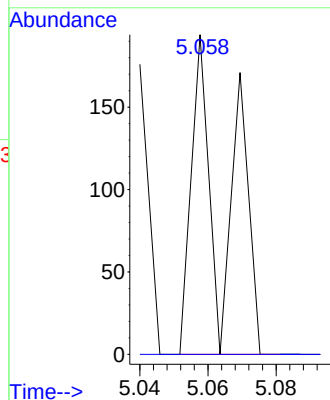
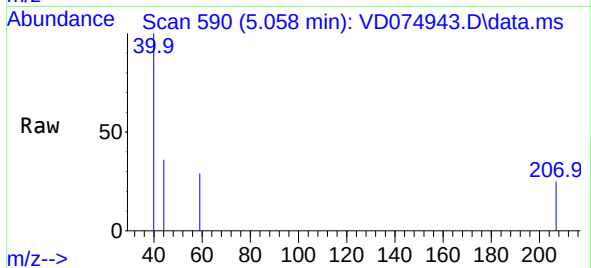




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.058 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

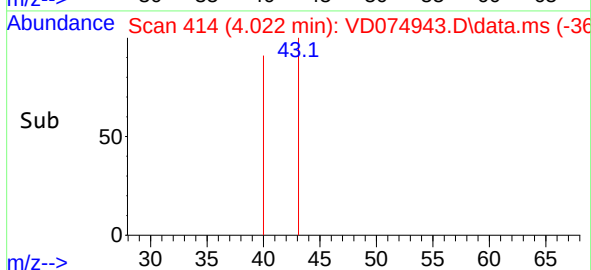
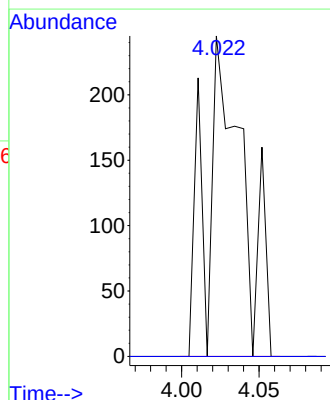
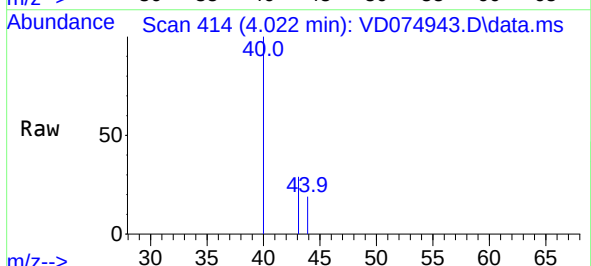
Instrument :
MSVOA_D
ClientSampleId :
VD1115

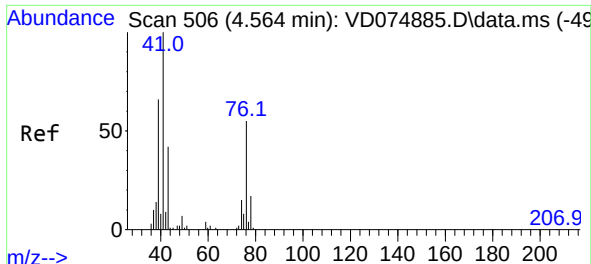
Tgt Ion: 59 Resp: 129
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 1.946 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Tgt Ion: 43 Resp: 403
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

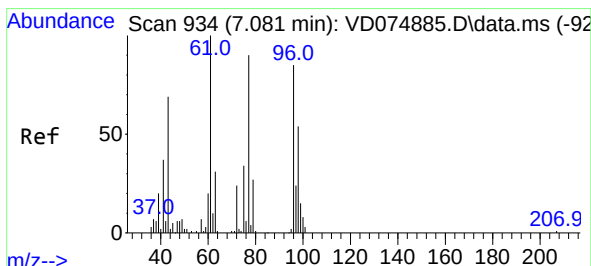
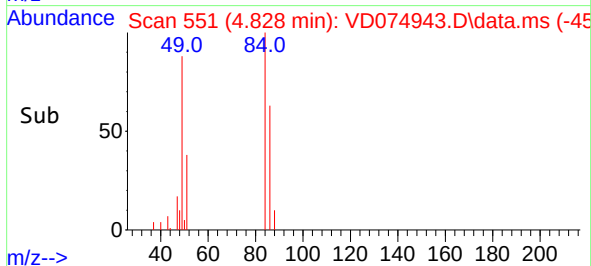
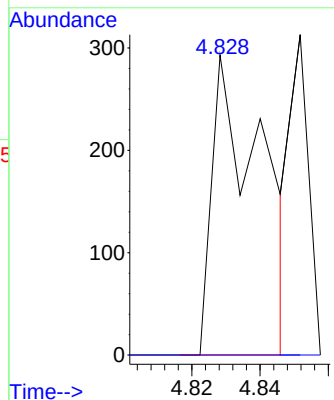
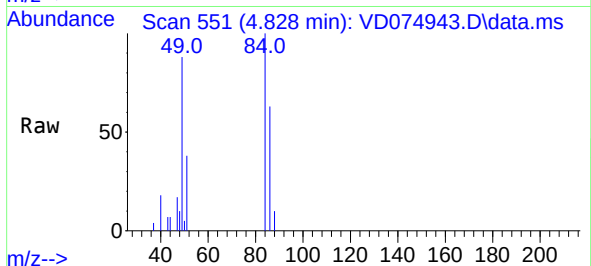




#18
Methyl Acetate
Concen: Below Cal
RT: 4.828 min Scan# 511
Delta R.T. 0.264 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

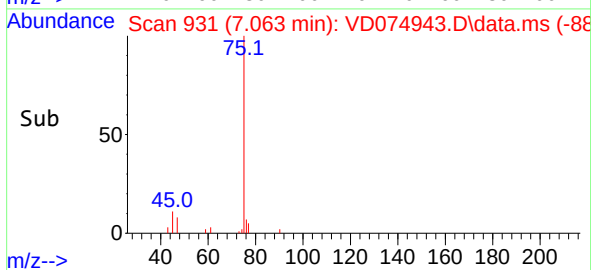
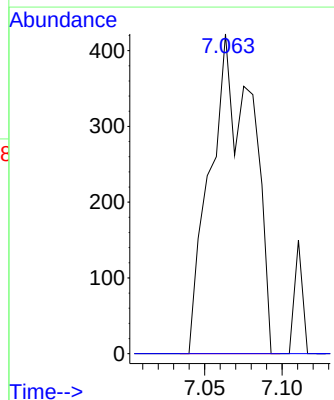
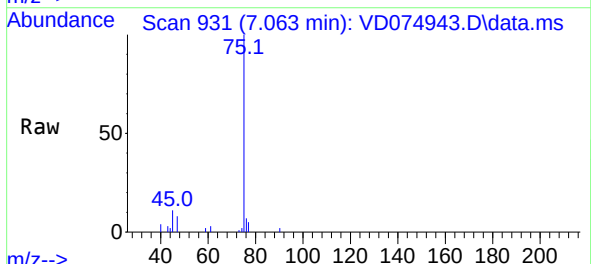
Instrument :
MSVOA_D
ClientSampleId :
VD1115

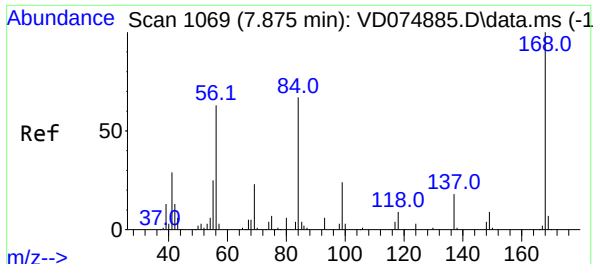
Tgt Ion: 43 Resp: 295
Ion Ratio Lower Upper
43 100
74 0.0 24.7 37.1#



#25
2-Butanone
Concen: 2.933 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

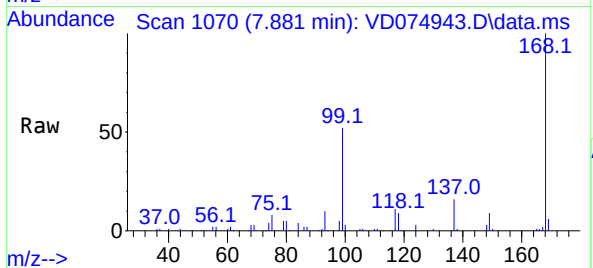
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



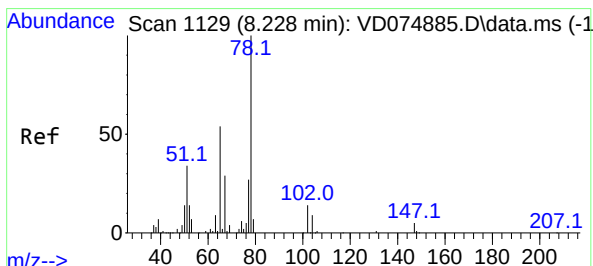
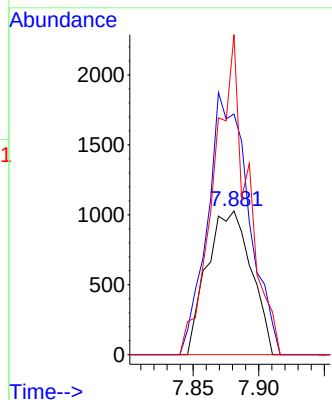
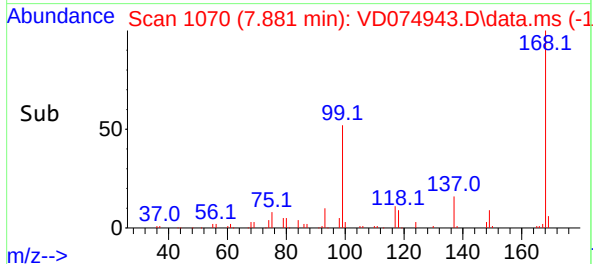


#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

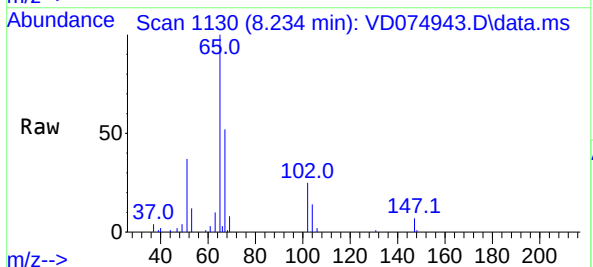
Instrument :
MSVOA_D
ClientSampleId :
VD1115



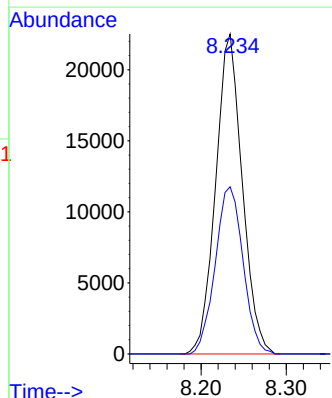
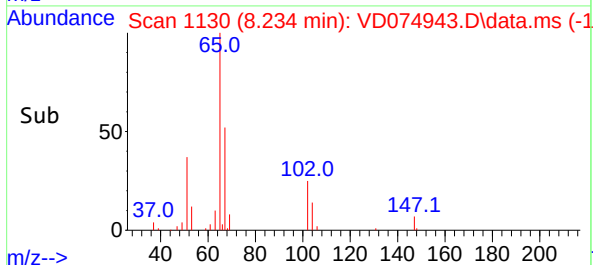
Tgt Ion: 56 Resp: 2411
Ion Ratio Lower Upper
56 100
69 167.6 29.2 43.8#
84 222.8 83.4 125.2#

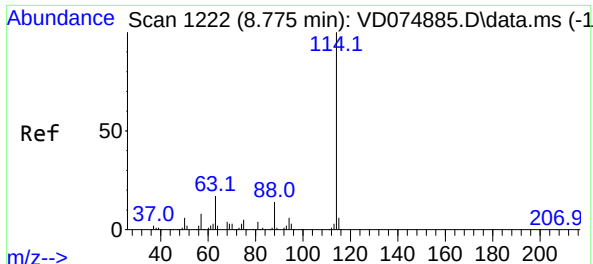


#33
1,2-Dichloroethane-d4
Concen: 59.616 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34



Tgt Ion: 65 Resp: 48733
Ion Ratio Lower Upper
65 100
67 54.7 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: VD074943.D

Acq: 16 Nov 2022 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115

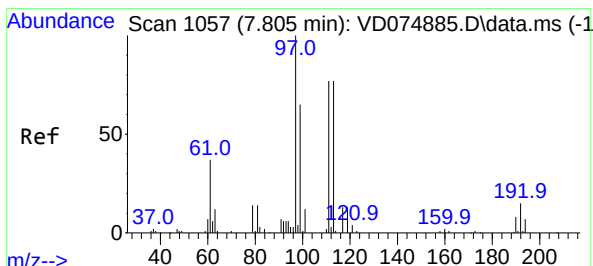
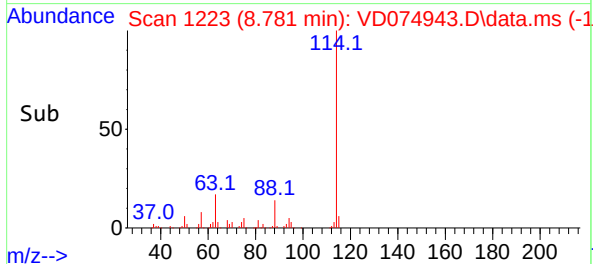
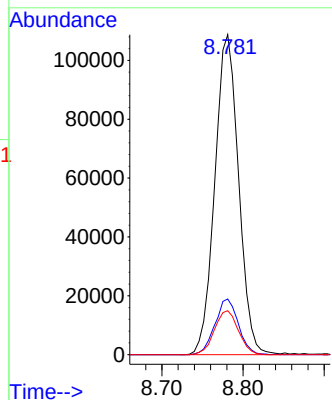
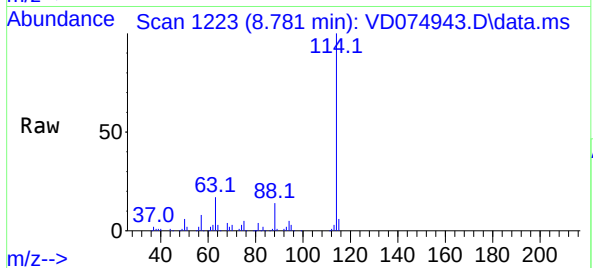
Tgt Ion:114 Resp: 221370

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.2

88 13.7 0.0 28.2



#35

Dibromofluoromethane

Concen: 43.305 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD074943.D

Acq: 16 Nov 2022 12:34

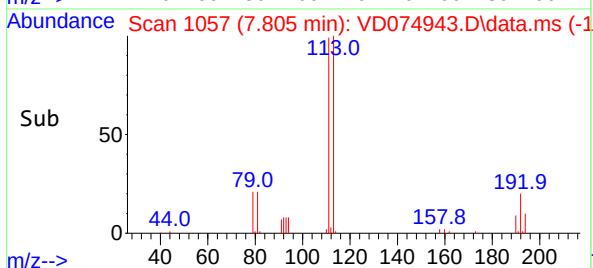
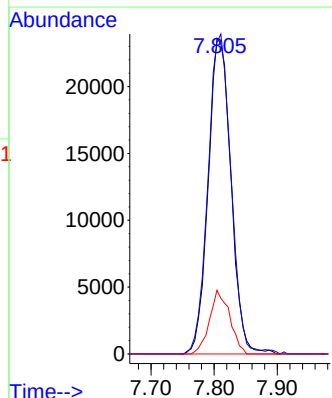
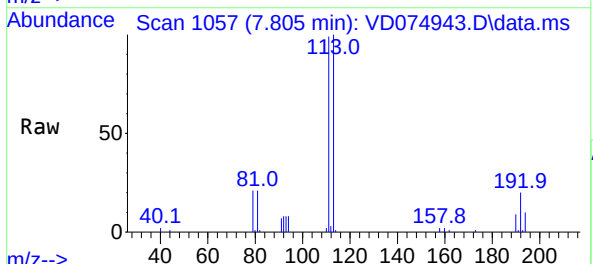
Tgt Ion:113 Resp: 59094

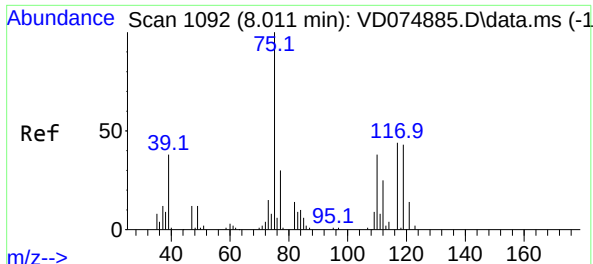
Ion Ratio Lower Upper

113 100

111 102.0 82.3 123.5

192 17.9 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.688 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.130 min

Lab File: VD074943.D

Acq: 16 Nov 2022 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD1115

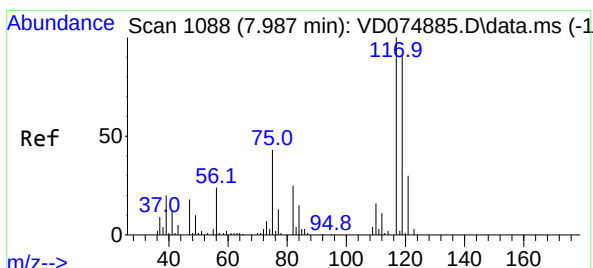
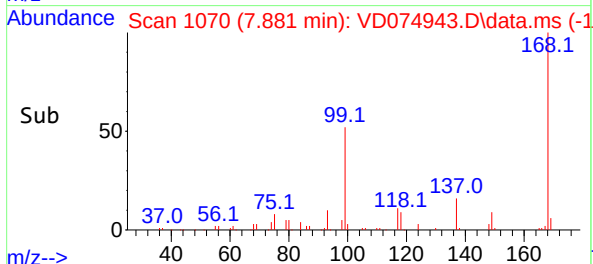
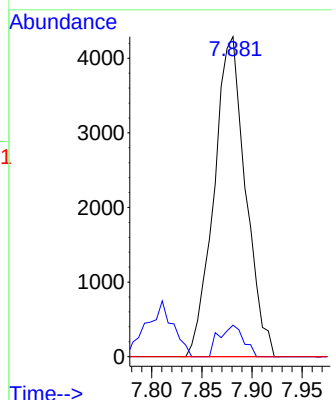
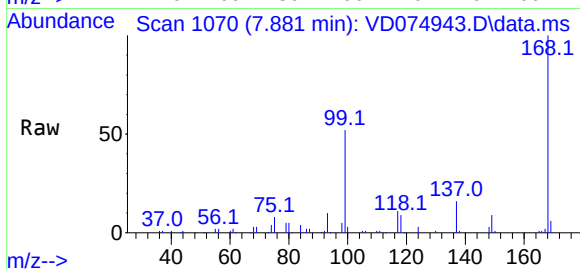
Tgt Ion: 75 Resp: 9401

Ion Ratio Lower Upper

75 100

110 7.6 19.7 59.0#

77 0.0 25.4 38.2#



#38

Carbon Tetrachloride

Concen: 6.528 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD074943.D

Acq: 16 Nov 2022 12:34

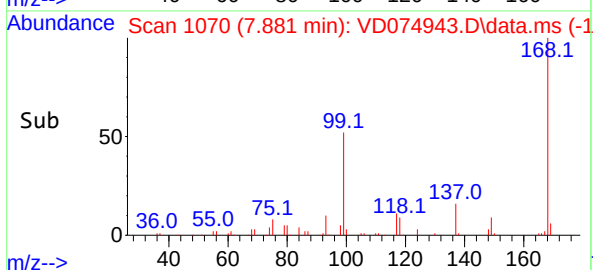
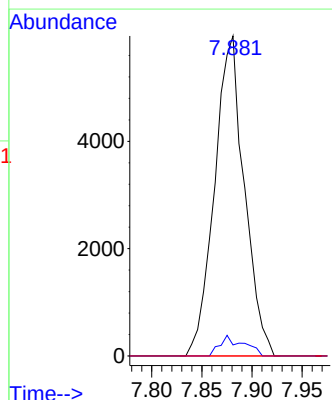
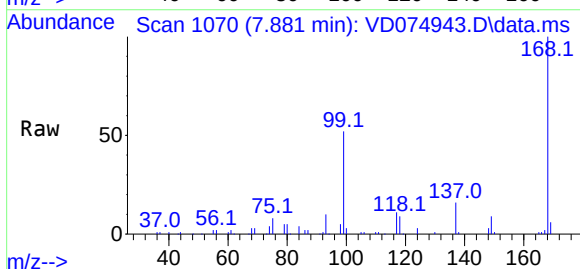
Tgt Ion: 117 Resp: 12324

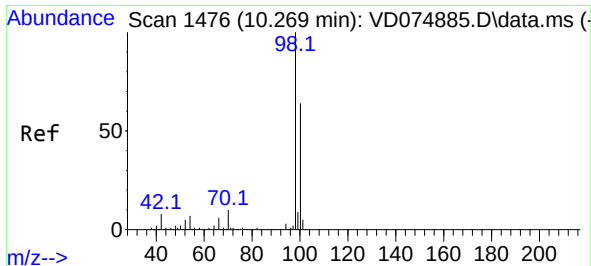
Ion Ratio Lower Upper

117 100

119 3.5 73.1 109.7#

121 0.0 25.0 37.6#

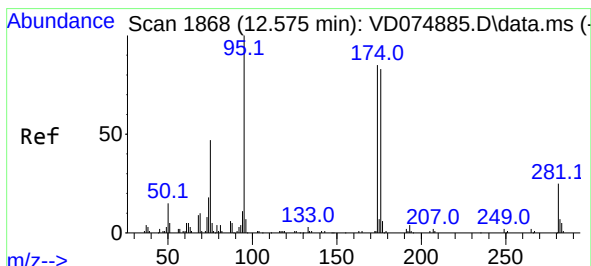
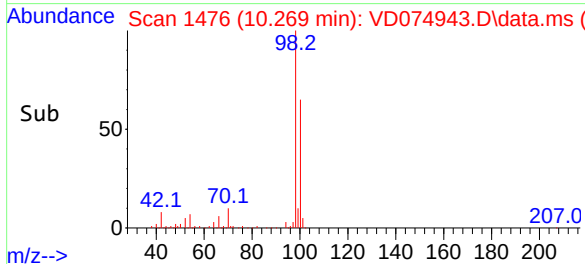
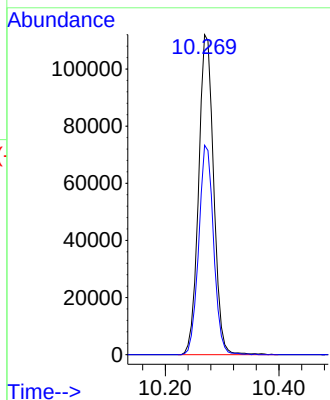
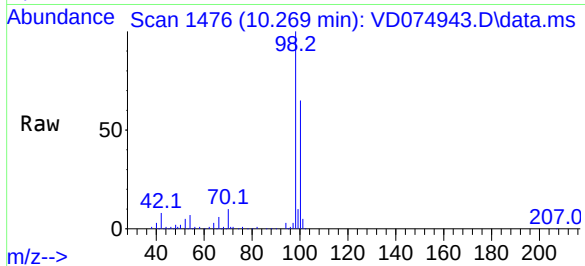




#50
Toluene-d8
Concen: 45.780 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

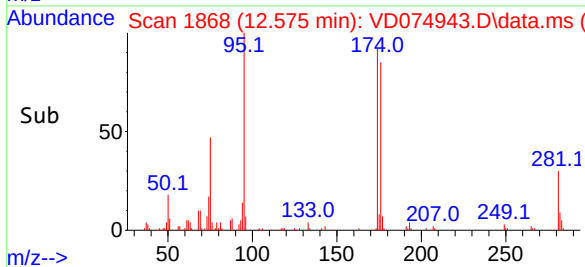
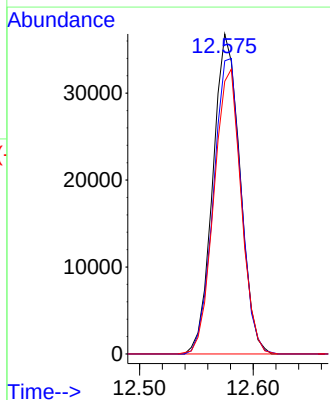
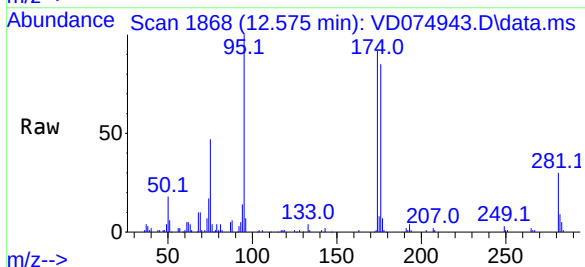
Instrument :
MSVOA_D
ClientSampleId :
VD1115

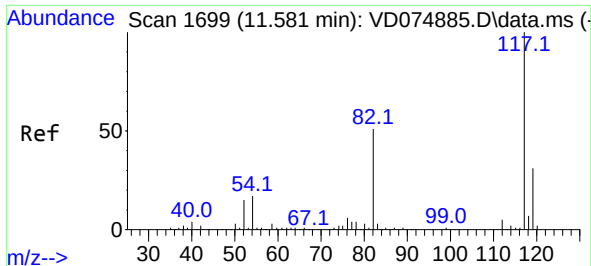
Tgt Ion: 98 Resp: 205784
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 44.257 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Tgt Ion: 95 Resp: 61087
Ion Ratio Lower Upper
95 100
174 93.8 0.0 197.0
176 89.1 0.0 182.6

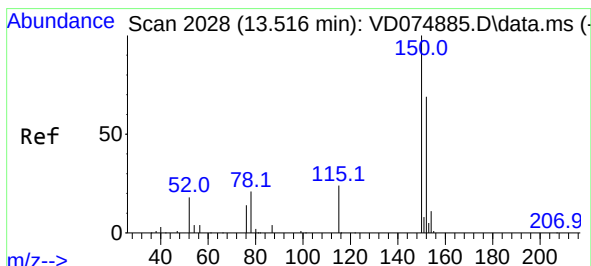
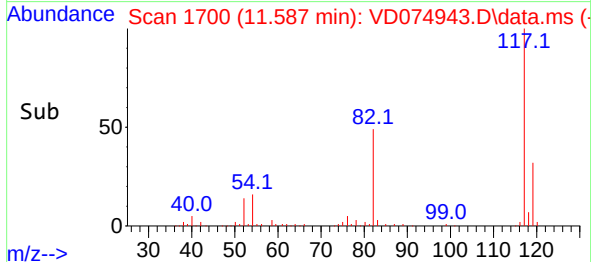
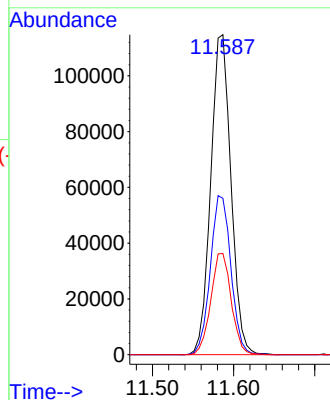
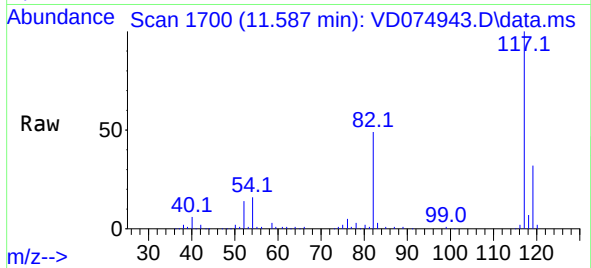




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

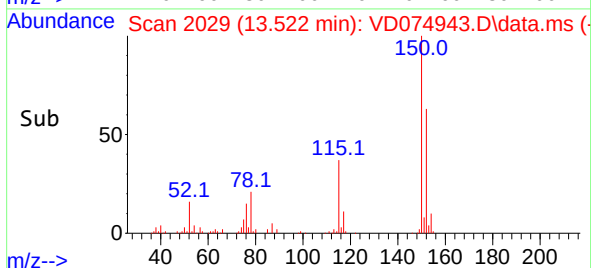
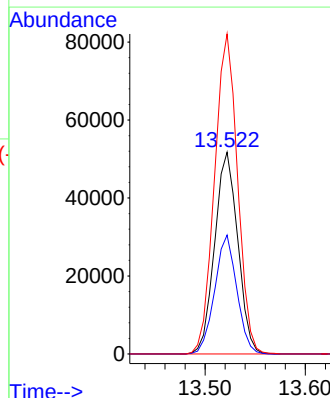
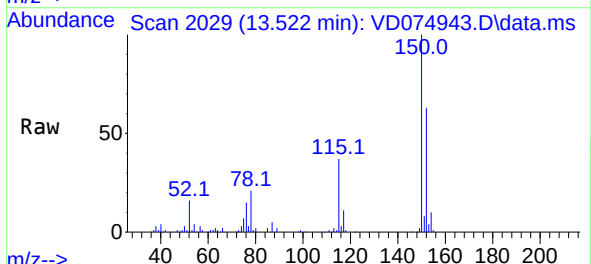
Instrument :
MSVOA_D
ClientSampleId :
VD1115

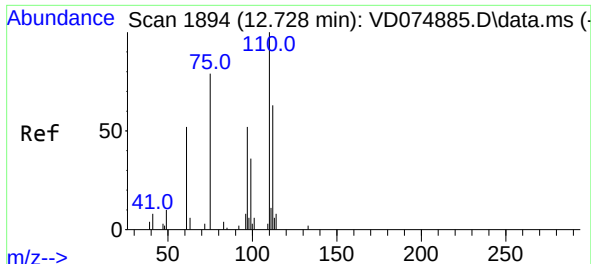
Tgt Ion:117 Resp: 198561
Ion Ratio Lower Upper
117 100
82 48.8 41.6 62.4
119 31.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Tgt Ion:152 Resp: 82714
Ion Ratio Lower Upper
152 100
115 56.5 26.8 80.4
150 157.9 0.0 348.2

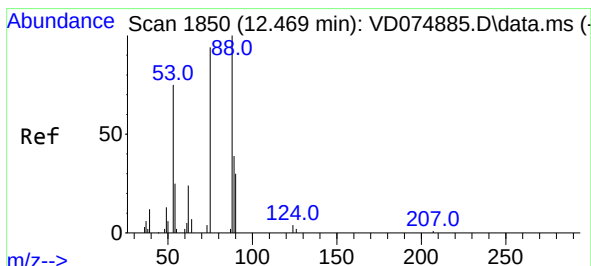
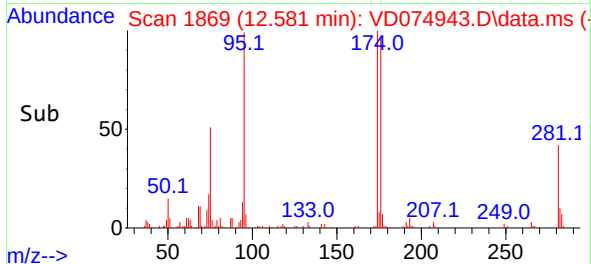
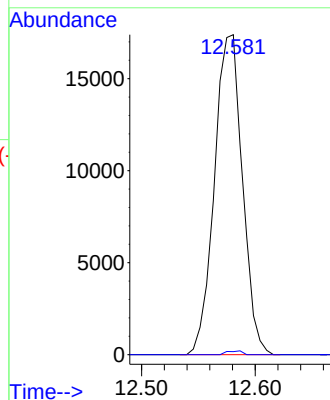
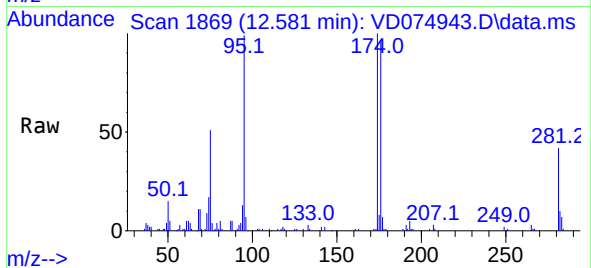




#76
1,2,3-Trichloropropane
Concen: 43.037 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. -0.147 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD1115

Tgt Ion: 75 Resp: 29774
Ion Ratio Lower Upper
75 100
77 0.7 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.873 ug/l
RT: 12.581 min Scan# 1869
Delta R.T. 0.112 min
Lab File: VD074943.D
Acq: 16 Nov 2022 12:34

Tgt Ion: 75 Resp: 29774
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.2 38.2 57.4#

