

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077385.D
 Acq On : 23 Oct 2023 17:03
 Operator : JC/SY
 Sample : 04977-02RE
 Misc : 6.79G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 23:41:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

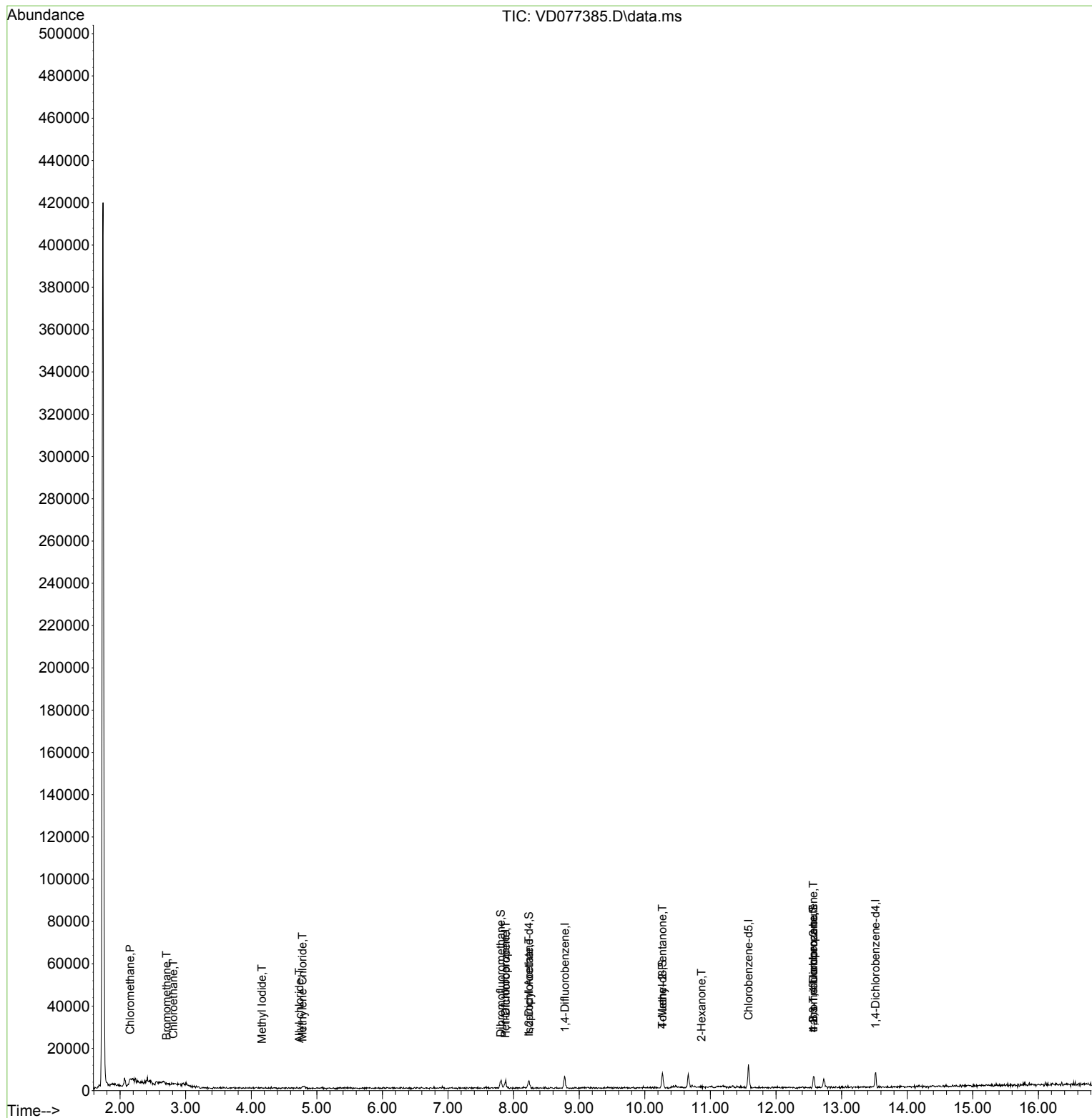
Internal Standards						
1) Pentafluorobenzene	7.875	168	3122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	6058	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	6959	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	3073	110.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 220.460%#	
35) Dibromofluoromethane	7.805	113	2687	63.134	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.260%	
50) Toluene-d8	10.269	98	5995	39.332	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 78.660%	
62) 4-Bromofluorobenzene	12.569	95	1923	43.828	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.660%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.152	50	571	9.661	ug/l #	41
5) Bromomethane	2.711	94	375	8.358	ug/l #	54
6) Chloroethane	2.811	64	444	9.046	ug/l #	43
10) Methyl Iodide	4.164	142	156	3.479	ug/l #	46
14) Allyl chloride	4.734	41	53	1.554	ug/l #	19
20) Methylene Chloride	4.781	84	612	13.012	ug/l #	40
36) 1,1-Dichloropropene	7.881	75	108	1.931	ug/l #	39
43) Isopropyl Acetate	8.234	43	59	1.866	ug/l #	43
51) 4-Methyl-2-Pentanone	10.269	43	64	4.037	ug/l #	28
59) 2-Hexanone	10.863	43	58	5.094	ug/l #	16
76) 1,2,3-Trichloropropane	12.569	75	717	26.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	717	90.453	ug/l #	17

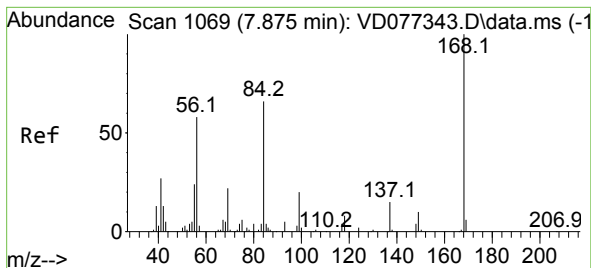
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD077385.D

Acq: 23 Oct 2023 17:03

Instrument :

MSVOA_D

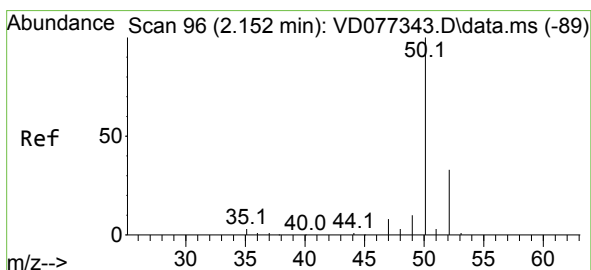
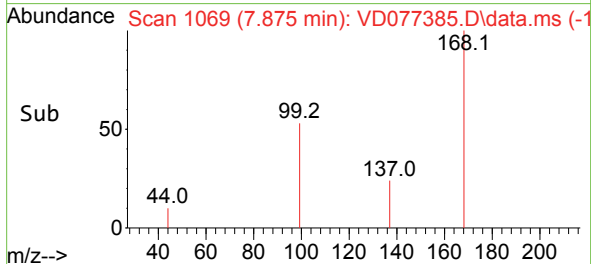
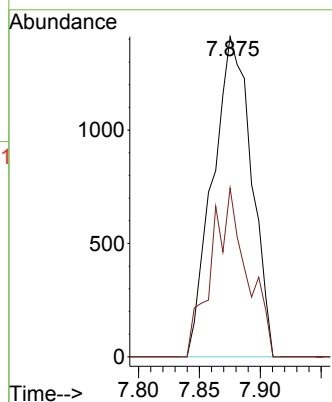
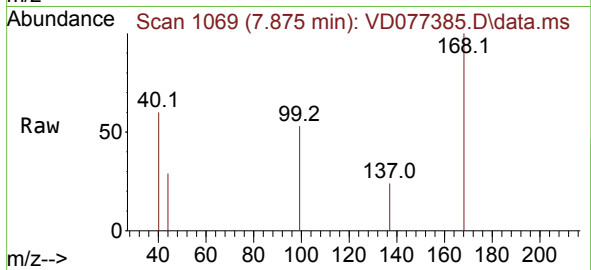
ClientSampleId :

Tgt Ion:168 Resp: 3122

Ion Ratio Lower Upper

168 100

99 52.7 36.7 55.1



#3

Chloromethane

Concen: 9.661 ug/l

RT: 2.152 min Scan# 96

Delta R.T. -0.000 min

Lab File: VD077385.D

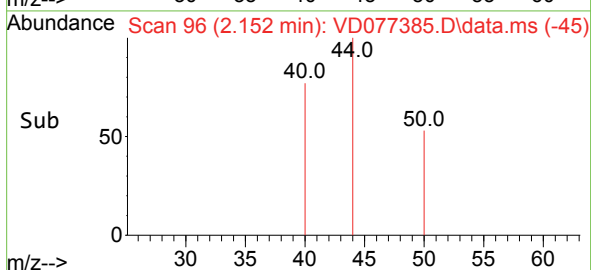
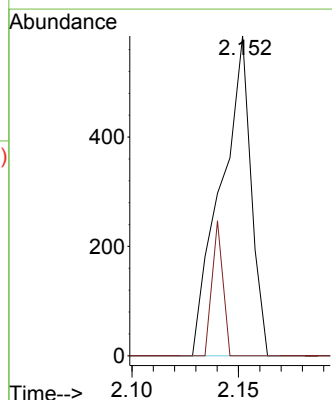
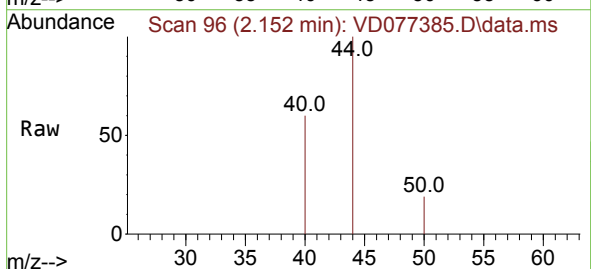
Acq: 23 Oct 2023 17:03

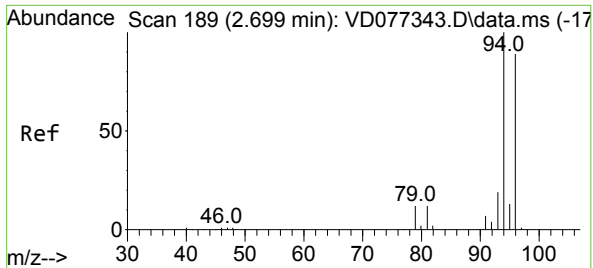
Tgt Ion: 50 Resp: 571

Ion Ratio Lower Upper

50 100

52 0.0 26.6 40.0#

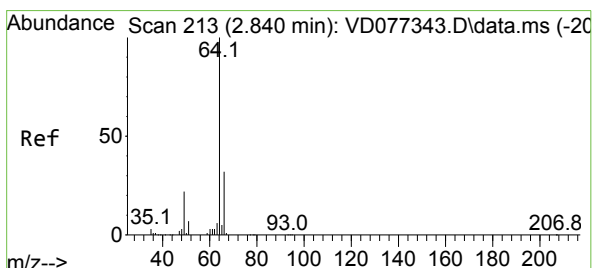
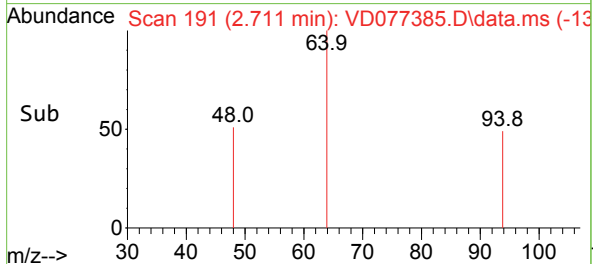
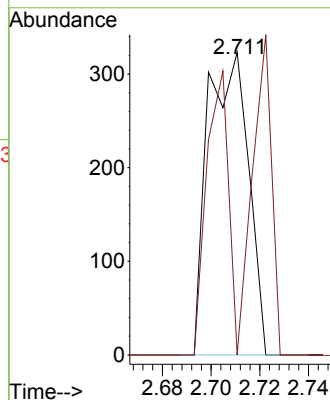
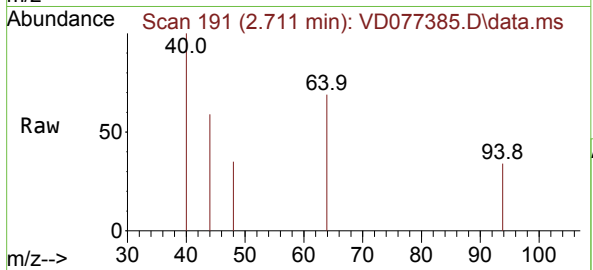




#5
Bromomethane
Concen: 8.358 ug/l
RT: 2.711 min Scan# 191
Delta R.T. 0.012 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

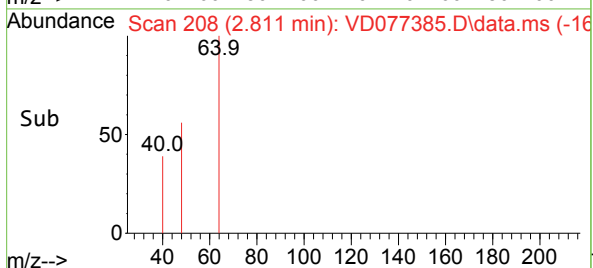
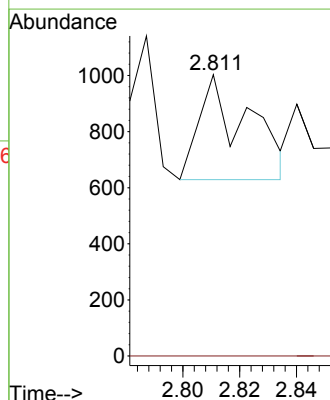
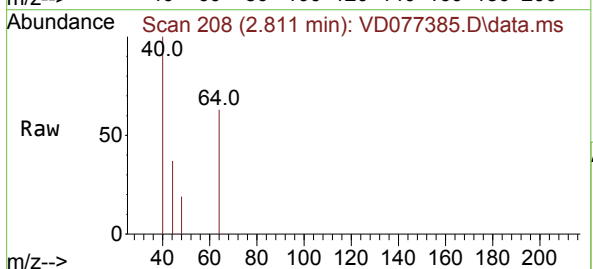
Instrument :
MSVOA_D
ClientSampleId :

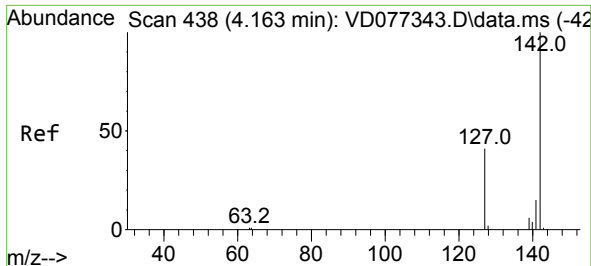
Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 50.1 75.8 113.8#



#6
Chloroethane
Concen: 9.046 ug/l
RT: 2.811 min Scan# 208
Delta R.T. -0.029 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

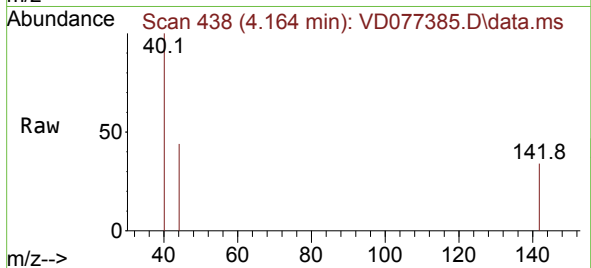
Tgt Ion: 64 Resp: 444
Ion Ratio Lower Upper
64 100
66 0.0 25.5 38.3#



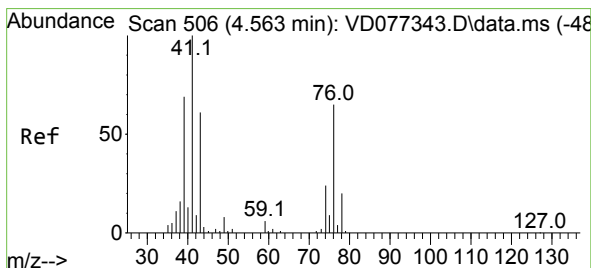
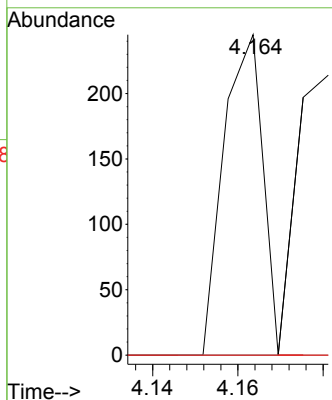
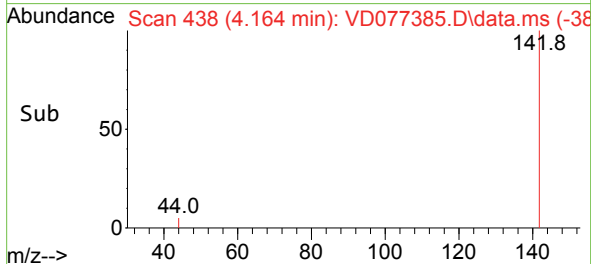


#10
Methyl Iodide
Concen: 3.479 ug/l
RT: 4.164 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

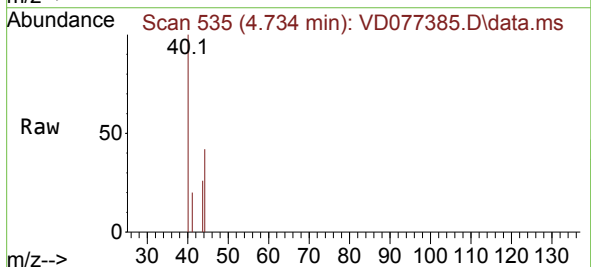
Instrument :
MSVOA_D
ClientSampleId :



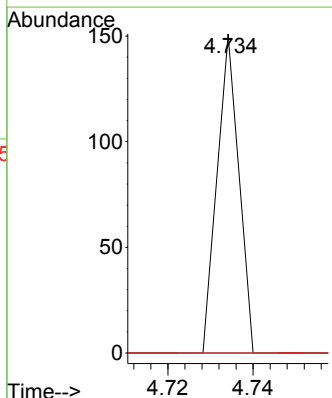
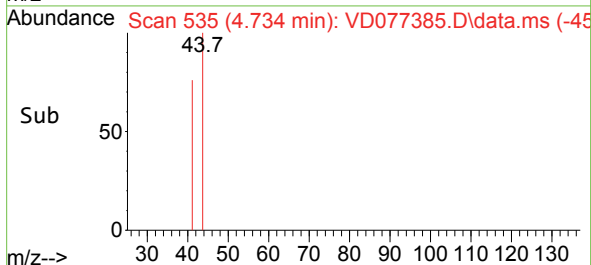
Tgt Ion:142 Resp: 156
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 0.0 11.1 16.7#

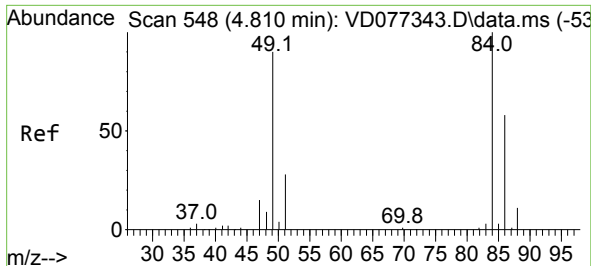


#14
Allyl chloride
Concen: 1.554 ug/l
RT: 4.734 min Scan# 535
Delta R.T. 0.171 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03



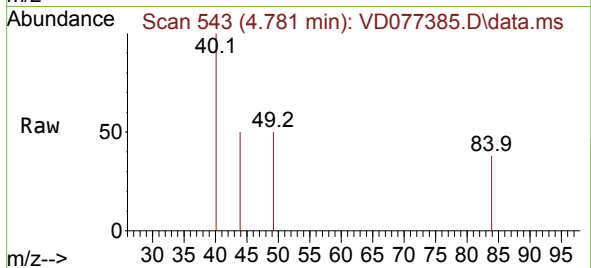
Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
39 0.0 53.8 80.6#
76 0.0 45.8 68.8#





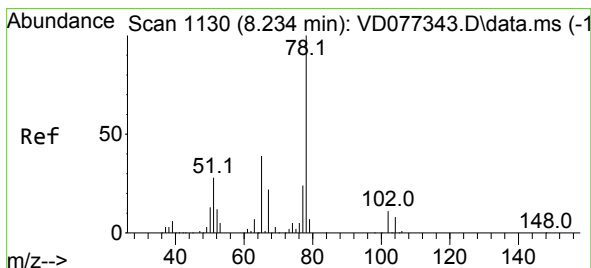
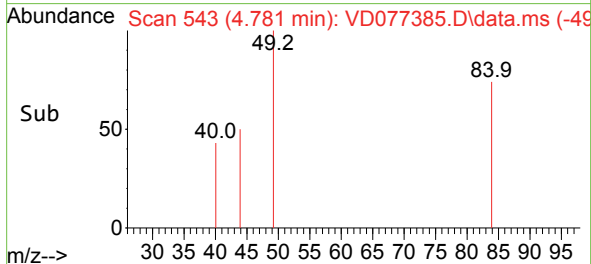
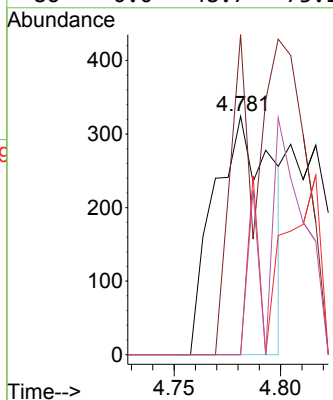
#20
Methylene Chloride
Concen: 13.012 ug/l
RT: 4.781 min Scan# 548
Delta R.T. -0.029 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 612

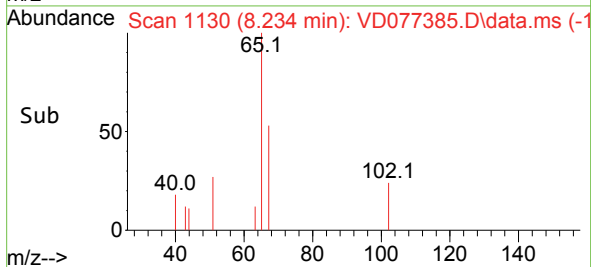
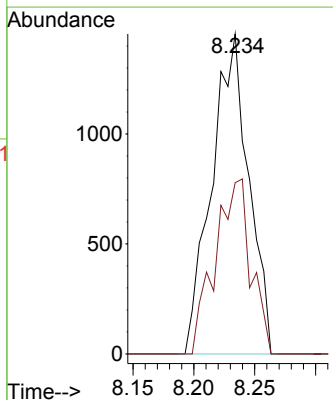
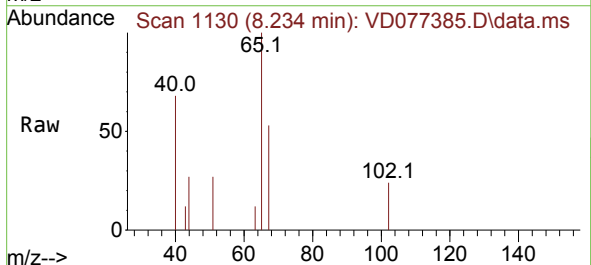
Ion	Ratio	Lower	Upper
84	100		
49	134.3	71.4	107.2#
51	0.0	24.5	36.7#
86	0.0	48.7	73.1#

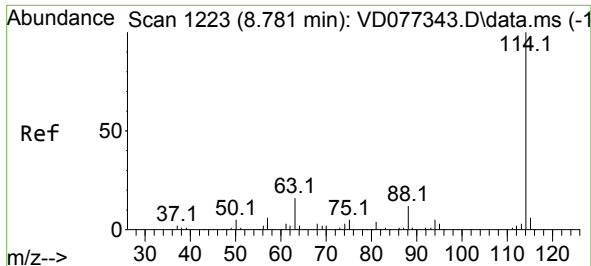


#33
1,2-Dichloroethane-d4
Concen: 110.232 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Tgt Ion: 65 Resp: 3073

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077385.D

Acq: 23 Oct 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :

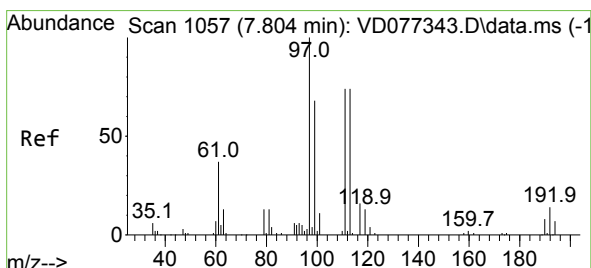
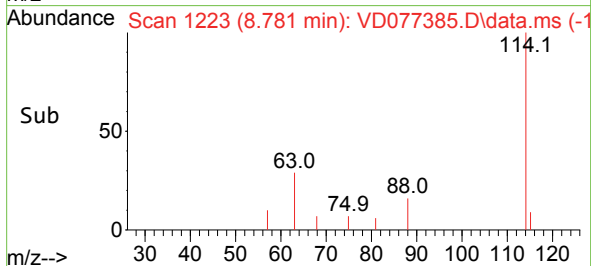
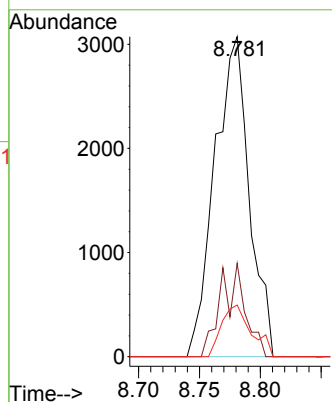
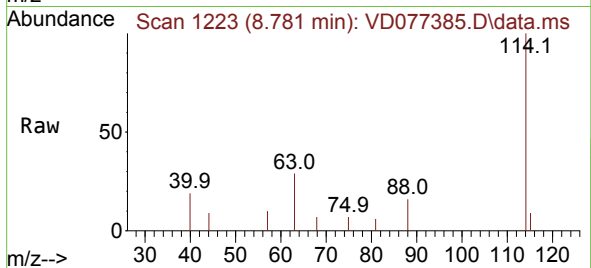
Tgt Ion:114 Resp: 6058

Ion Ratio Lower Upper

114 100

63 29.2 0.0 33.4

88 16.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 63.134 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077385.D

Acq: 23 Oct 2023 17:03

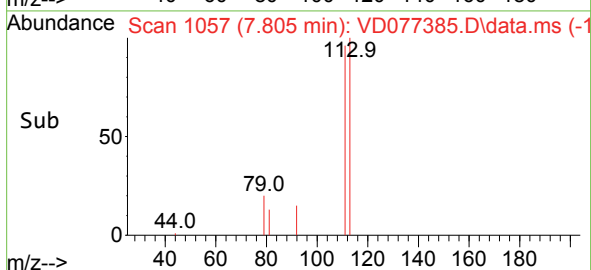
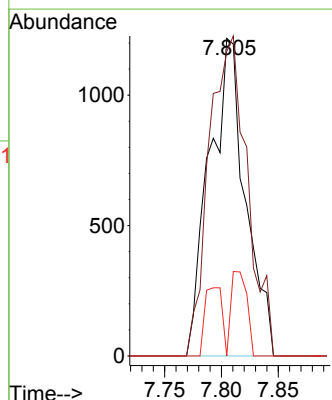
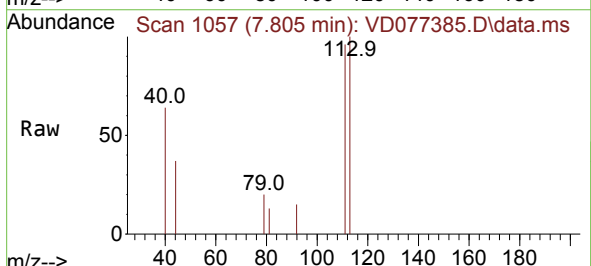
Tgt Ion:113 Resp: 2687

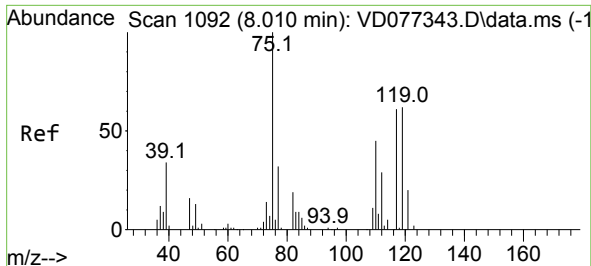
Ion Ratio Lower Upper

113 100

111 106.6 84.7 127.1

192 11.6 16.8 25.2#





#36

1,1-Dichloropropene

Concen: 1.931 ug/l

RT: 7.881 min Scan# 1108

Delta R.T. -0.129 min

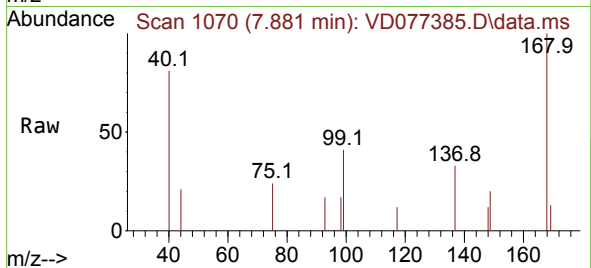
Lab File: VD077385.D

Acq: 23 Oct 2023 17:03

Instrument :

MSVOA_D

ClientSampleId :



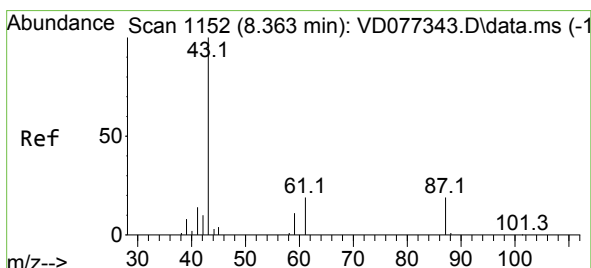
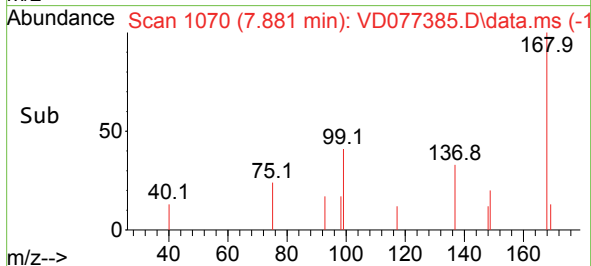
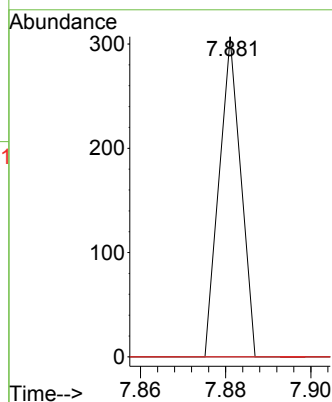
Tgt Ion: 75 Resp: 108

Ion Ratio Lower Upper

75 100

110 0.0 19.9 59.6#

77 0.0 24.7 37.1#



#43

Isopropyl Acetate

Concen: 1.866 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.129 min

Lab File: VD077385.D

Acq: 23 Oct 2023 17:03

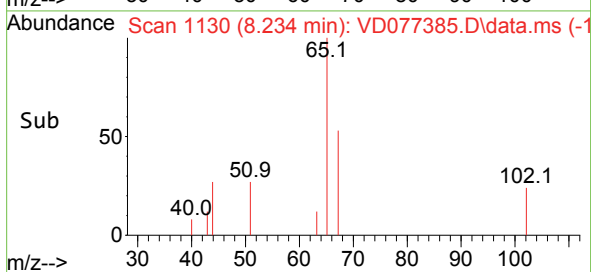
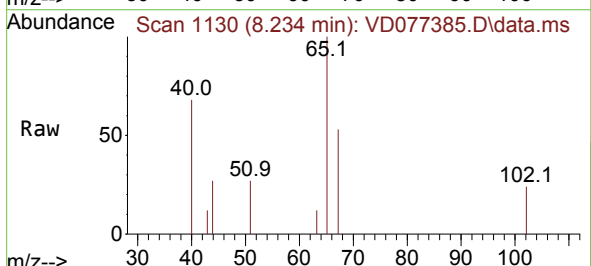
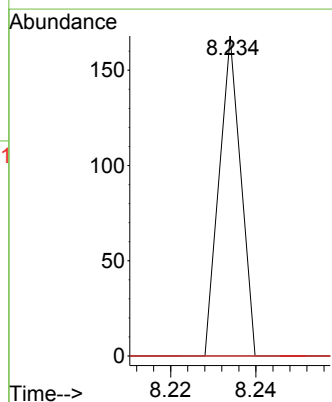
Tgt Ion: 43 Resp: 59

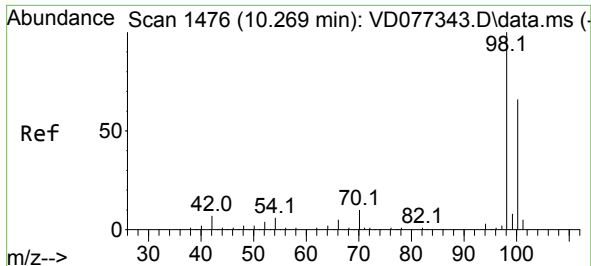
Ion Ratio Lower Upper

43 100

61 0.0 31.4 47.0#

87 0.0 14.9 22.3#

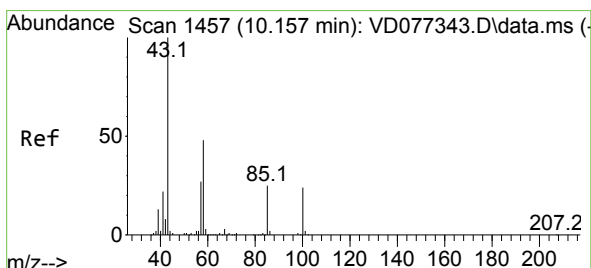
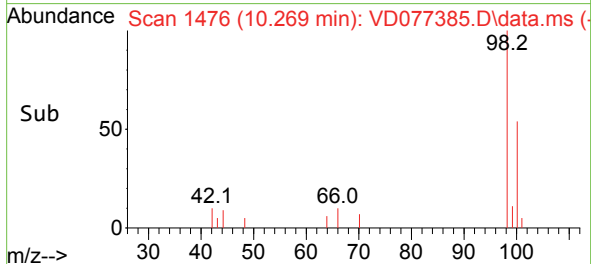
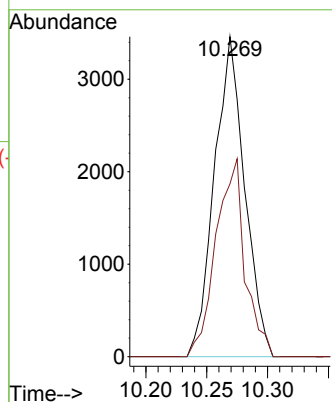
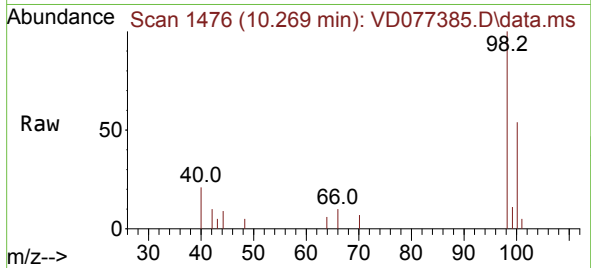




#50
Toluene-d8
Concen: 39.332 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

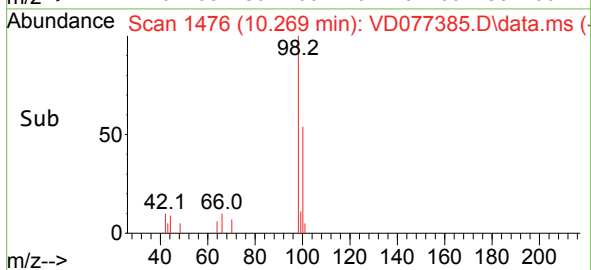
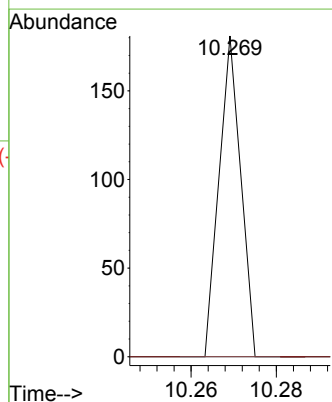
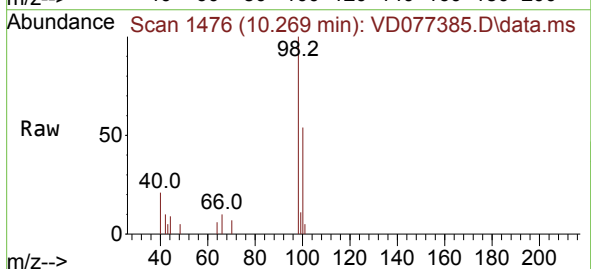
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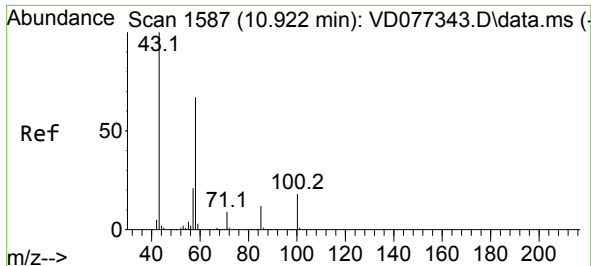
Tgt Ion: 98 Resp: 5995
Ion Ratio Lower Upper
98 100
100 59.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 4.037 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#

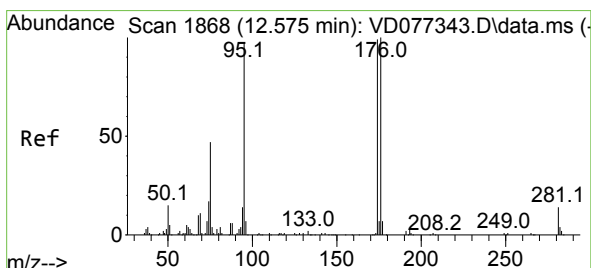
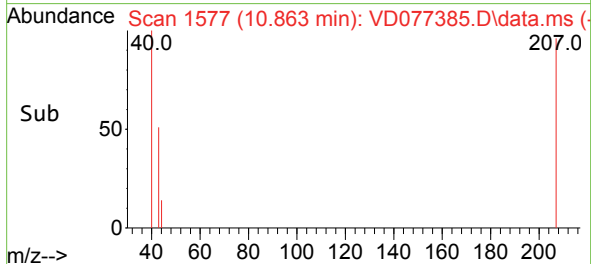
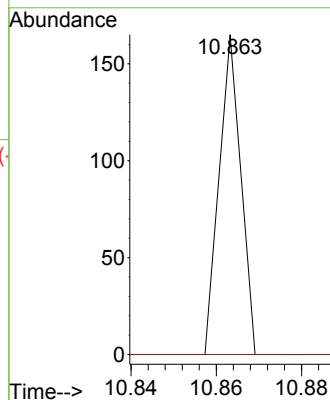
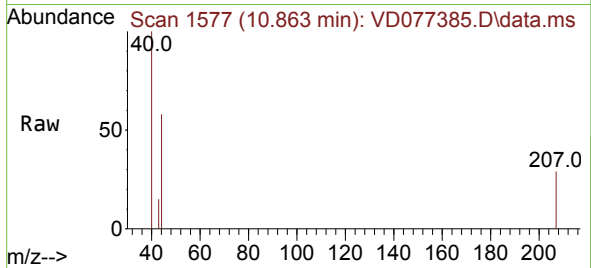




#59
2-Hexanone
Concen: 5.094 ug/l
RT: 10.863 min Scan# 11
Delta R.T. -0.059 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

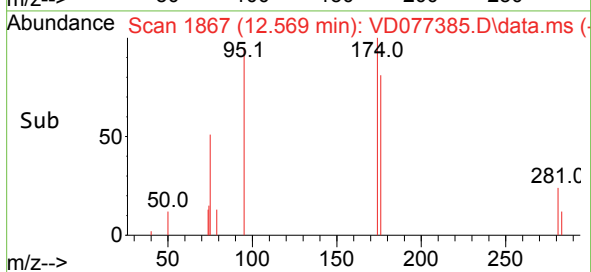
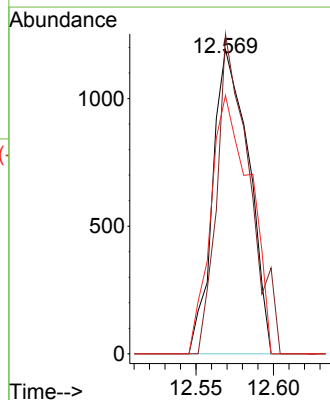
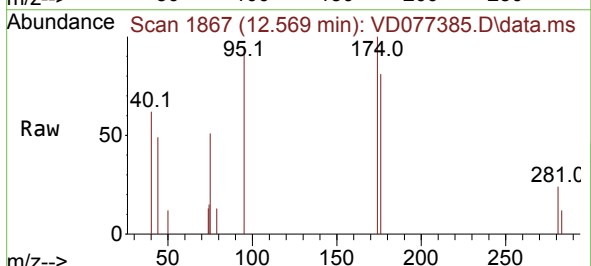
Instrument :
MSVOA_D
ClientSampleId :

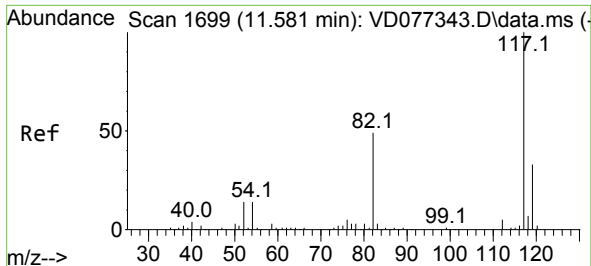
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 43.828 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Tgt Ion: 95 Resp: 1923
Ion Ratio Lower Upper
95 100
174 94.7 0.0 201.8
176 93.2 0.0 191.8

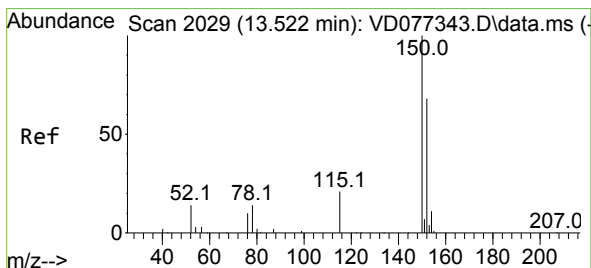
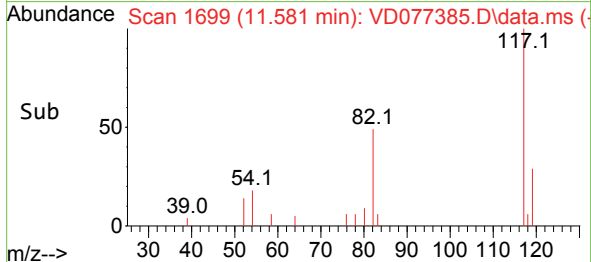
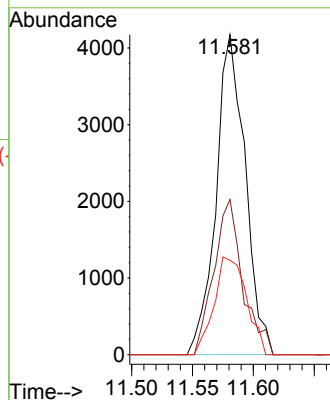
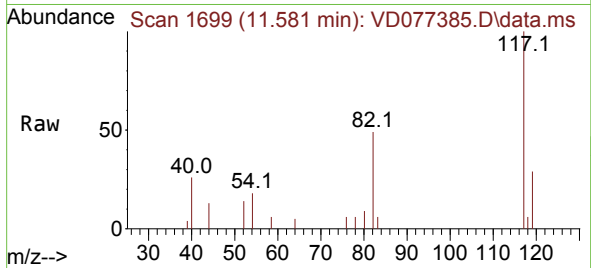




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

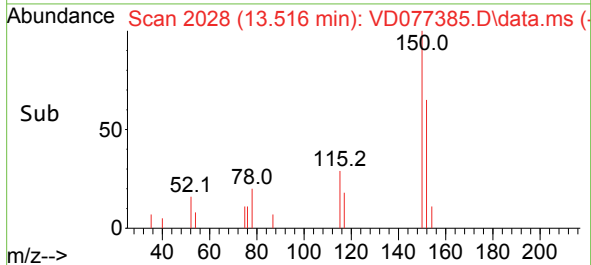
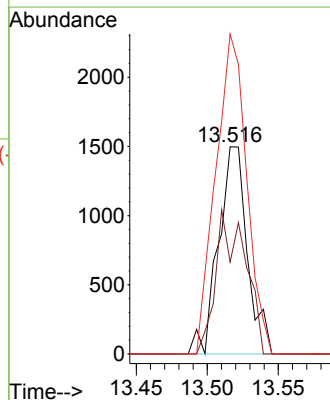
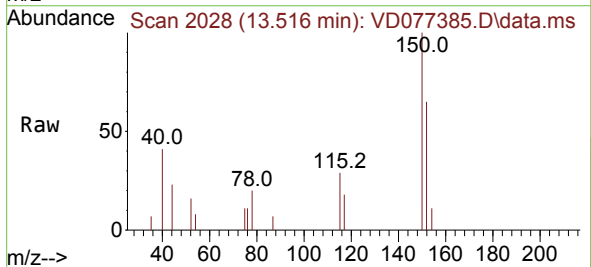
Instrument :
MSVOA_D
ClientSampleId :

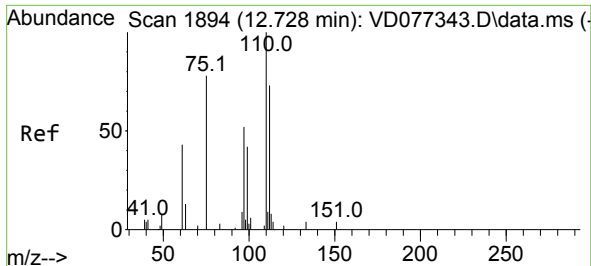
Tgt Ion:117 Resp: 6959
Ion Ratio Lower Upper
117 100
82 48.5 38.3 57.5
119 29.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Tgt Ion:152 Resp: 2124
Ion Ratio Lower Upper
152 100
115 70.9 27.1 81.3
150 165.0 0.0 353.6

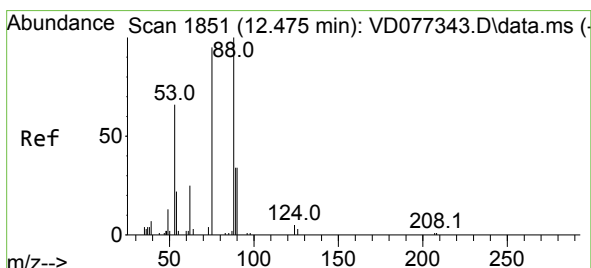
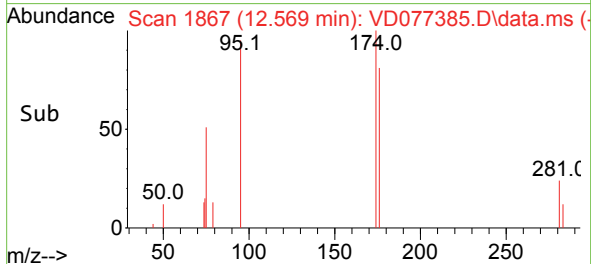
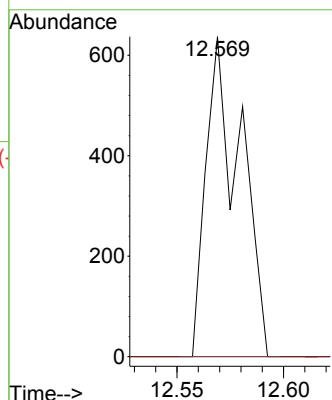
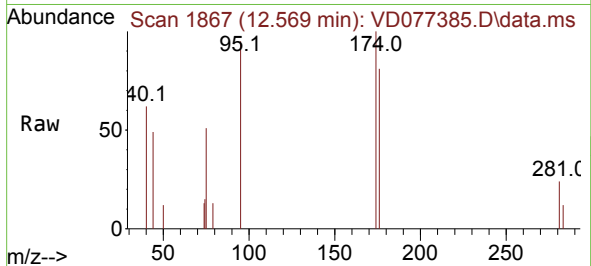




#76
1,2,3-Trichloropropane
Concen: 26.243 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 90.453 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.094 min
Lab File: VD077385.D
Acq: 23 Oct 2023 17:03

Tgt Ion: 75 Resp: 717
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

