

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032824\
 Data File : VD078777.D
 Acq On : 28 Mar 2024 16:30
 Operator : RP/MD
 Sample : P1874-03
 Misc : 5.03G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11933

Quant Time: Mar 29 01:36:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 05:38:03 2024
 Response via : Initial Calibration

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

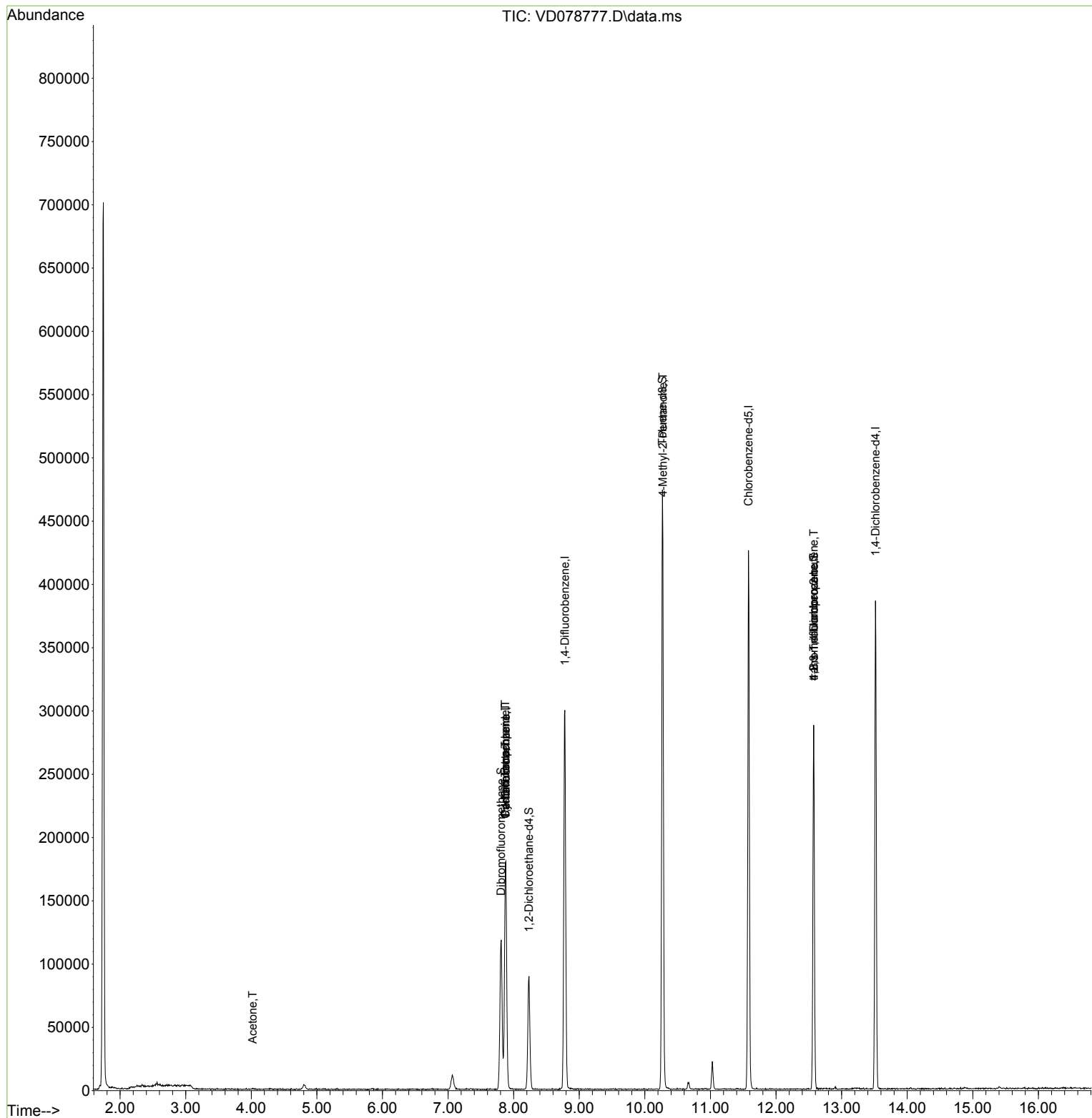
Internal Standards						
1) Pentafluorobenzene	7.881	168	144684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	281457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	251004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	105233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67360	49.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.360%
35) Dibromofluoromethane	7.810	113	85819	47.357	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.720%
50) Toluene-d8	10.269	98	340547	51.098	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.575	95	84465	43.321	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.640%
Target Compounds						
					Qvalue	
16) Acetone	4.022	43	727	2.773	ug/l #	39
20) Methylene Chloride	4.805	84	3043	Below Cal	#	84
31) Cyclohexane	7.875	56	2906	1.275	ug/l #	12
36) 1,1-Dichloropropene	7.875	75	11019	4.191	ug/l #	47
38) Carbon Tetrachloride	7.875	117	14152	5.105	ug/l #	19
51) 4-Methyl-2-Pentanone	10.275	43	1299	1.591	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	43382	53.508	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	43382	112.161	ug/l #	19

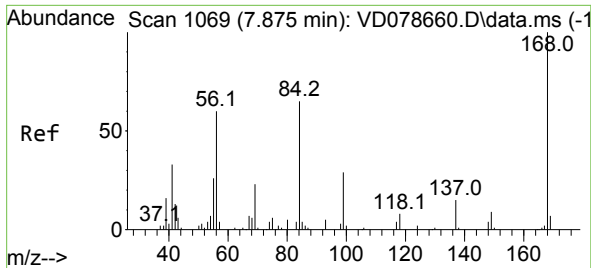
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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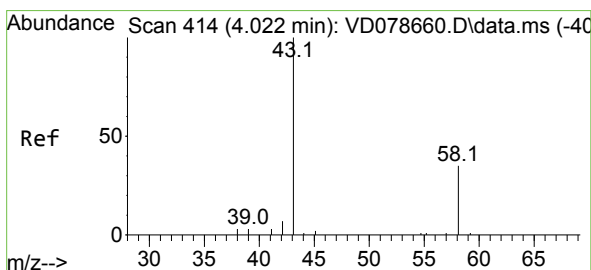
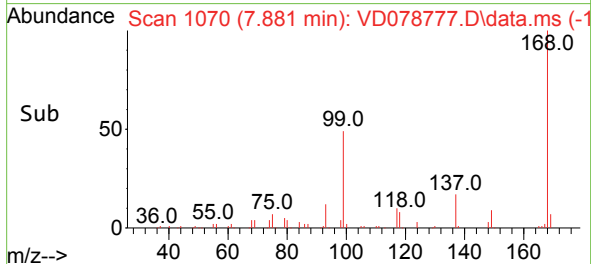
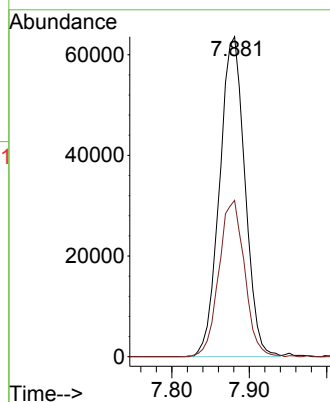
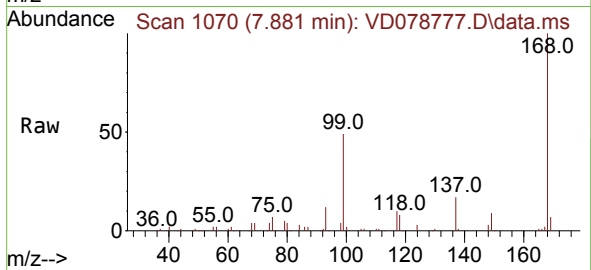




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

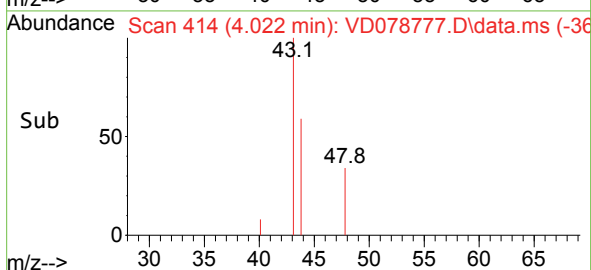
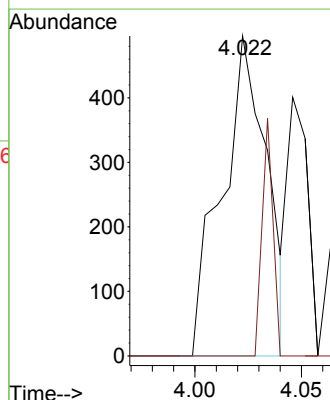
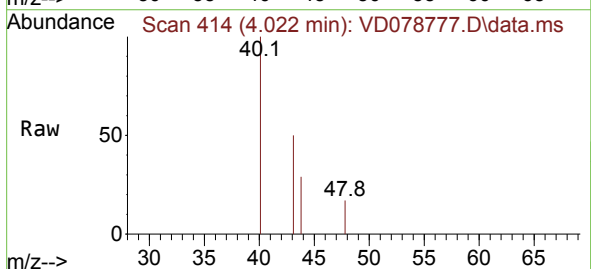
Instrument :
MSVOA_D
ClientSampleId :
72-11933

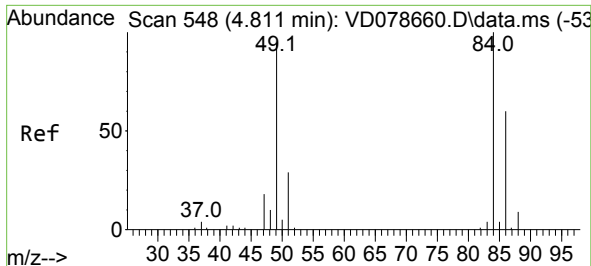
Tgt Ion:168 Resp: 144684
Ion Ratio Lower Upper
168 100
99 48.9 38.8 58.2



#16
Acetone
Concen: 2.773 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.000 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Tgt Ion: 43 Resp: 727
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.4#



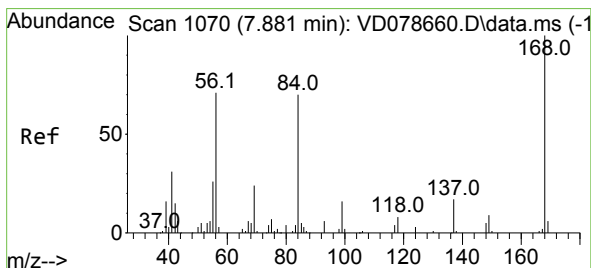
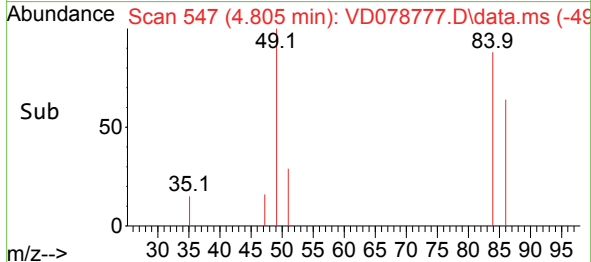
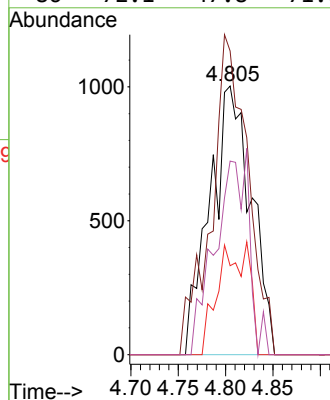
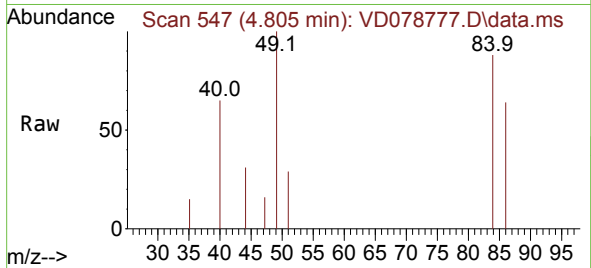


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Instrument :
MSVOA_D
ClientSampleId :
72-11933

Tgt Ion: 84 Resp: 3043

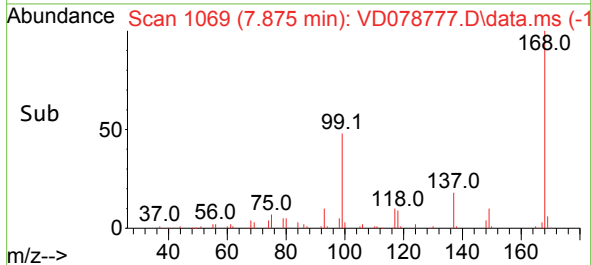
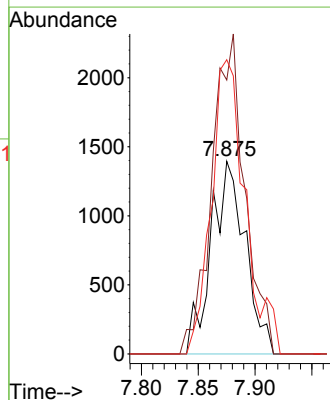
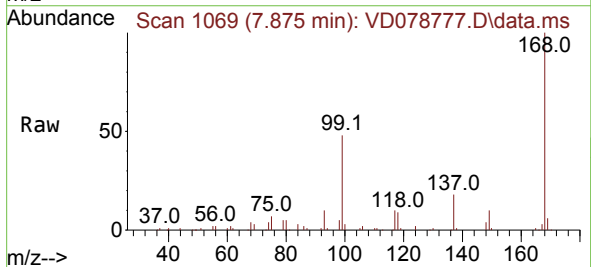
Ion	Ratio	Lower	Upper
84	100		
49	113.1	75.6	113.4
51	33.1	23.4	35.0
86	72.1	47.8	71.6

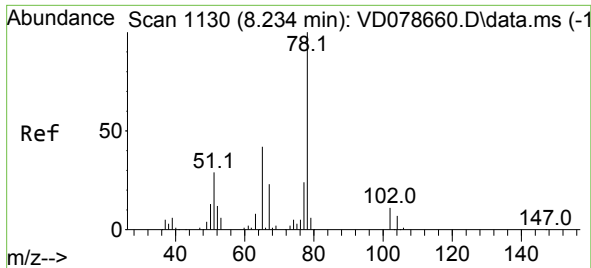


#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Tgt Ion: 56 Resp: 2906

Ion	Ratio	Lower	Upper
56	100		
69	142.2	26.6	40.0
84	152.7	79.4	119.2





#33

1,2-Dichloroethane-d4

Concen: 49.678 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

Instrument :

MSVOA_D

ClientSampleId :

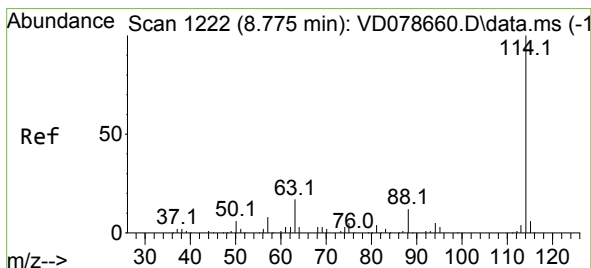
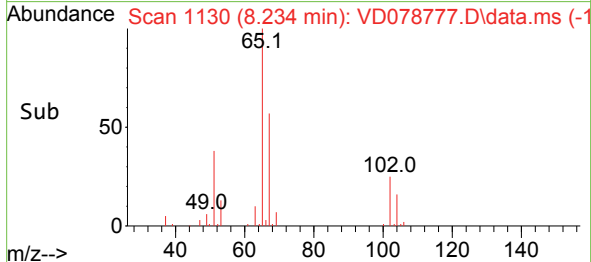
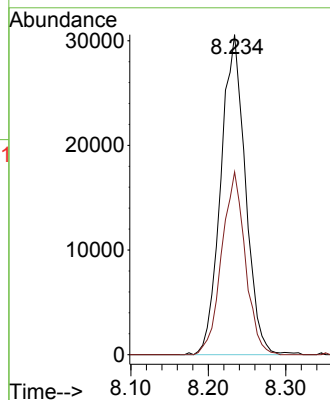
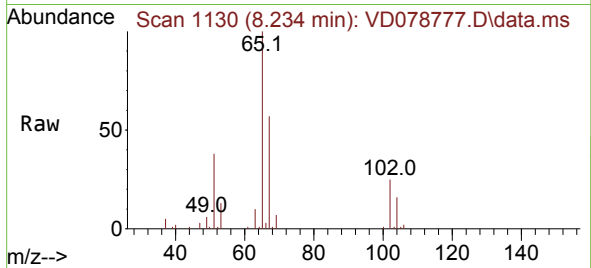
72-11933

Tgt Ion: 65 Resp: 67360

Ion Ratio Lower Upper

65 100

67 54.9 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: VD078777.D

Acq: 28 Mar 2024 16:30

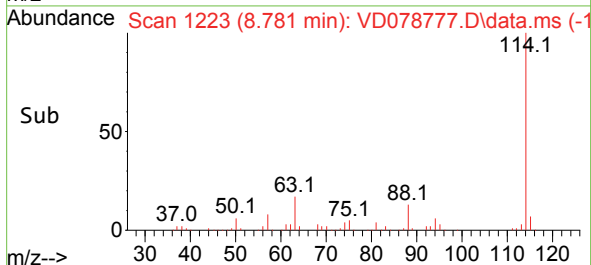
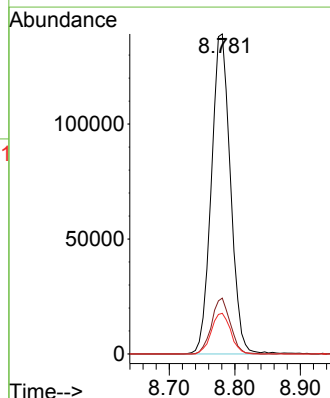
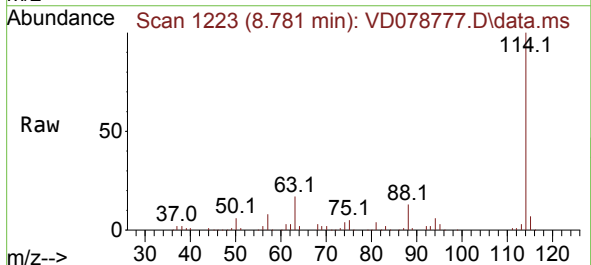
Tgt Ion: 114 Resp: 281457

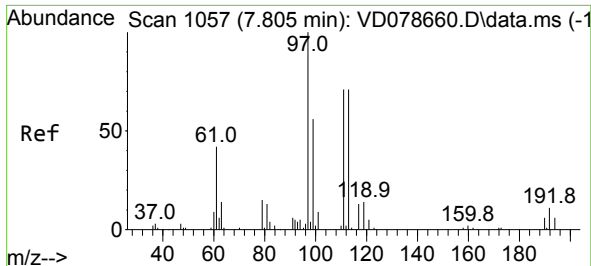
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 12.7 0.0 24.6

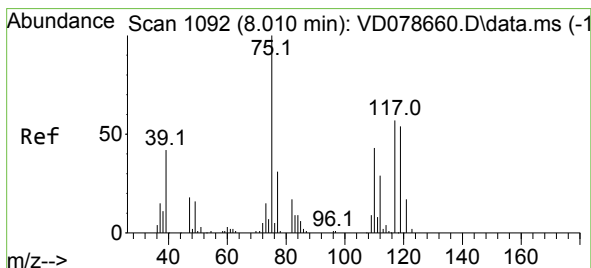
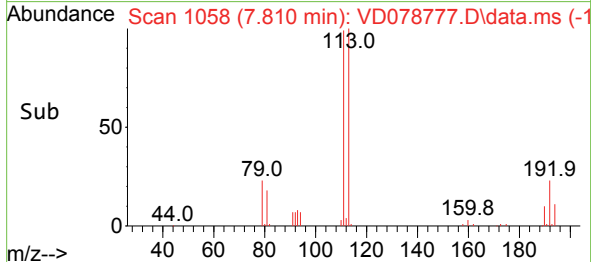
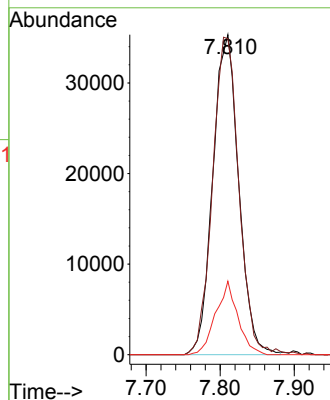
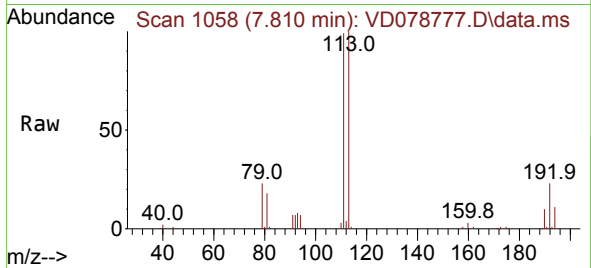




#35
Dibromofluoromethane
Concen: 47.357 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

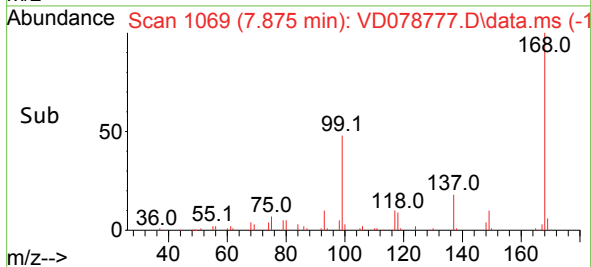
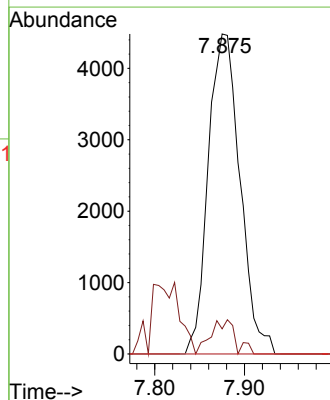
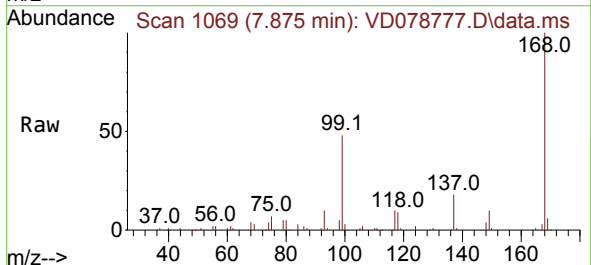
Instrument :
MSVOA_D
ClientSampleId :
72-11933

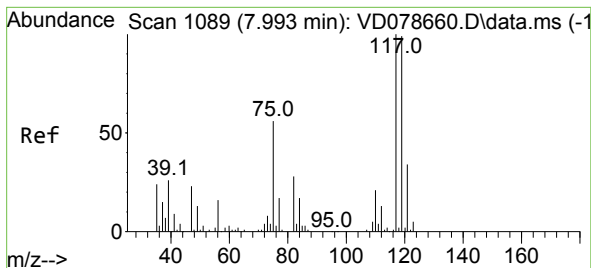
Tgt Ion:113 Resp: 85819
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 19.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 4.191 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Tgt Ion: 75 Resp: 11019
Ion Ratio Lower Upper
75 100
110 8.3 19.1 57.1#
77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.105 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

Instrument :

MSVOA_D

ClientSampleId :

72-11933

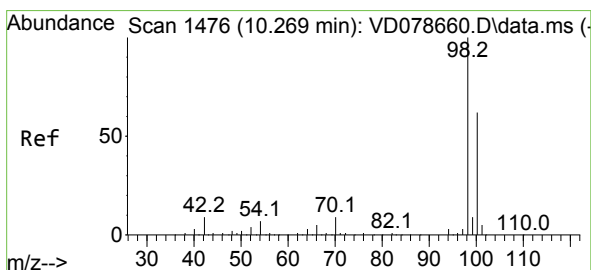
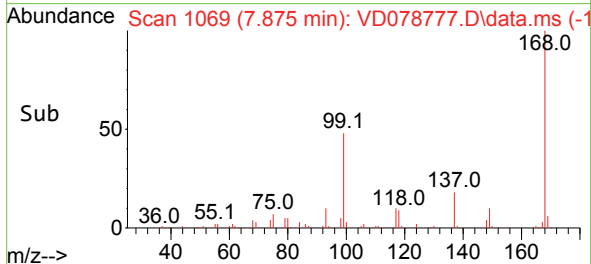
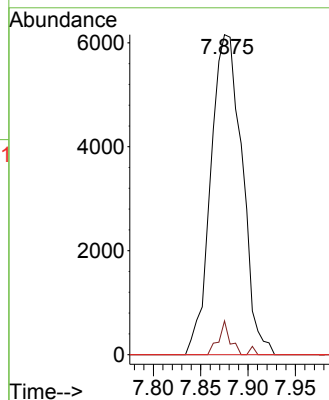
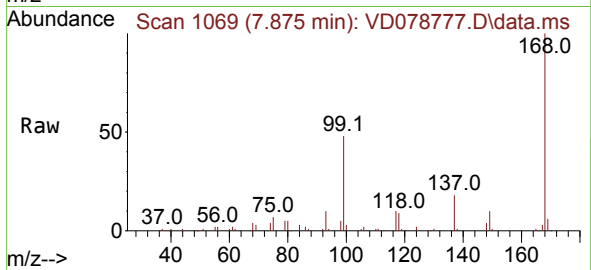
Tgt Ion:117 Resp: 14152

Ion Ratio Lower Upper

117 100

119 10.5 79.2 118.8#

121 0.0 26.8 40.2#



#50

Toluene-d8

Concen: 51.098 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078777.D

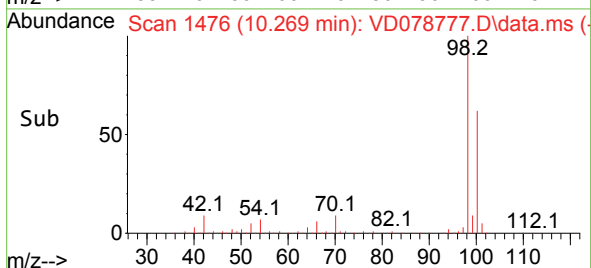
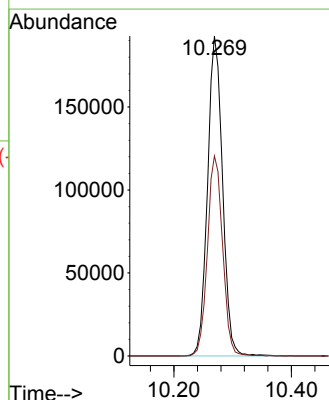
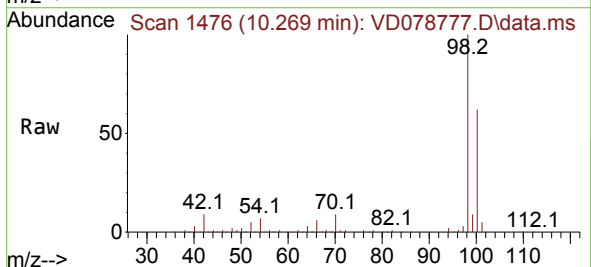
Acq: 28 Mar 2024 16:30

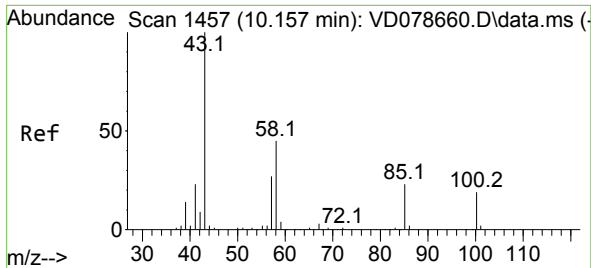
Tgt Ion: 98 Resp: 340547

Ion Ratio Lower Upper

98 100

100 63.2 50.5 75.7

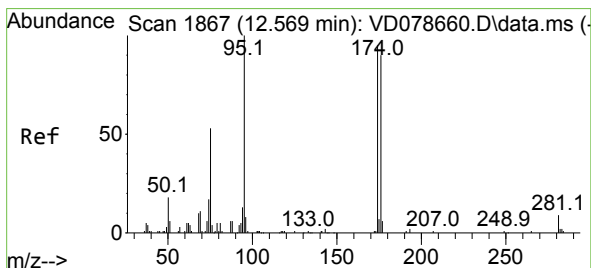
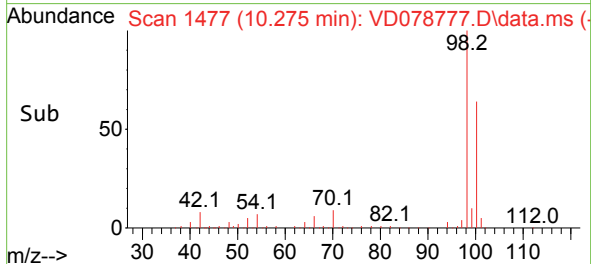
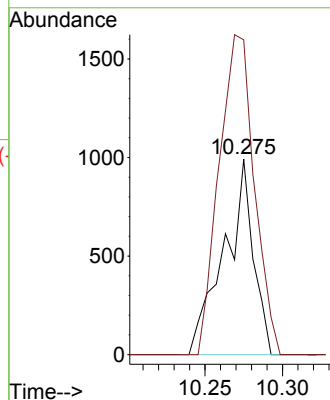
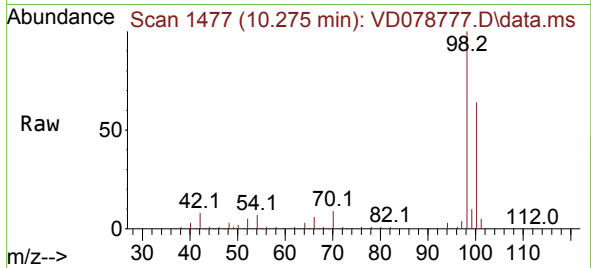




#51
4-Methyl-2-Pentanone
Concen: 1.591 ug/l
RT: 10.275 min Scan# 1457
Delta R.T. 0.118 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

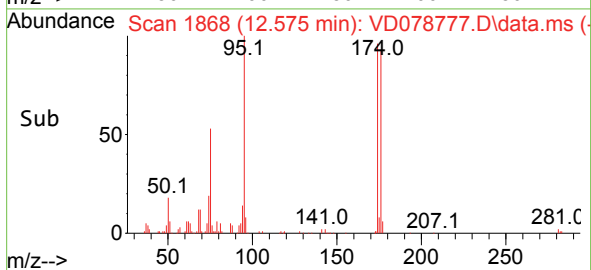
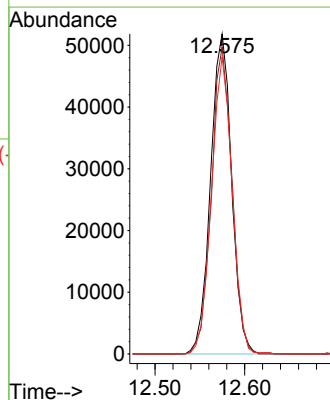
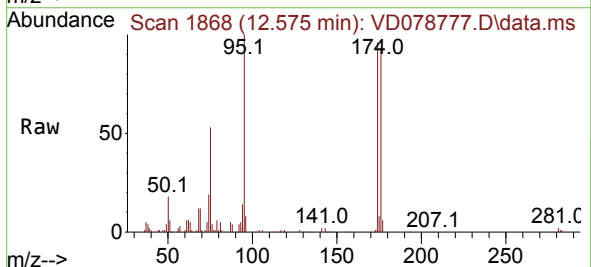
Instrument :
MSVOA_D
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72-11933

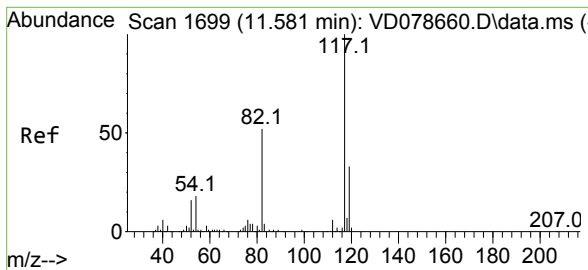
Tgt Ion: 43 Resp: 1299
Ion Ratio Lower Upper
43 100
58 197.7 36.4 54.6#



#62
4-Bromofluorobenzene
Concen: 43.321 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Tgt Ion: 95 Resp: 84465
Ion Ratio Lower Upper
95 100
174 93.2 0.0 195.2
176 91.4 0.0 188.2

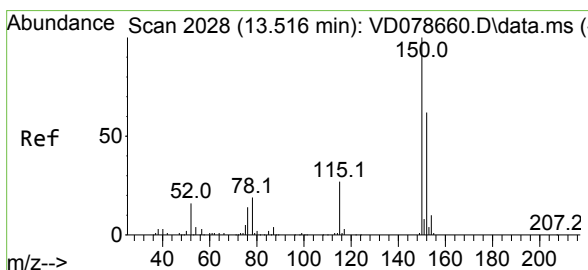
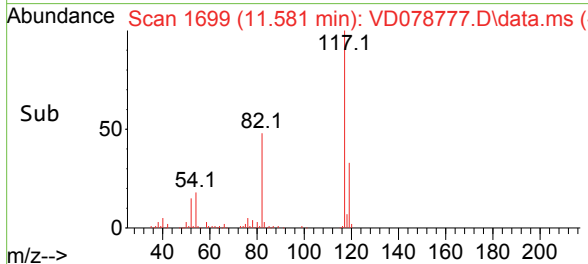
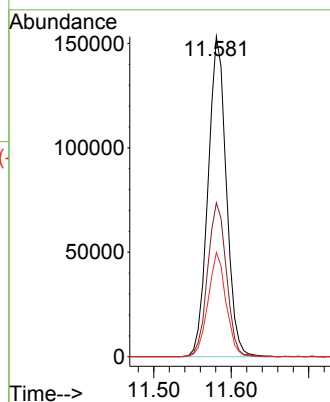
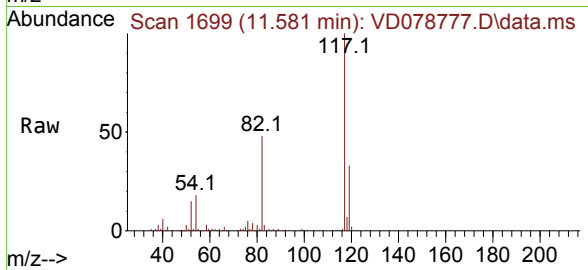




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

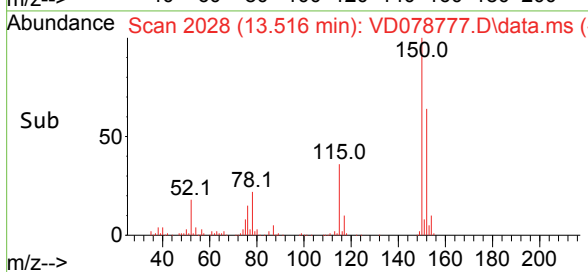
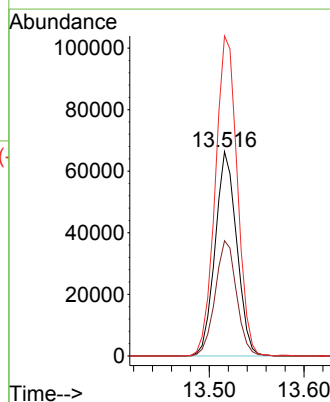
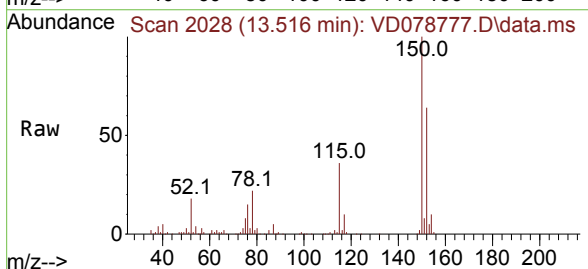
Instrument :
MSVOA_D
ClientSampleId :
72-11933

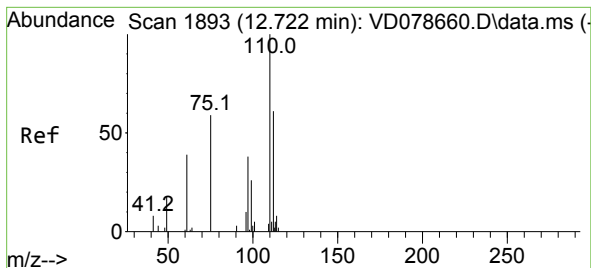
Tgt Ion:	117	Resp:	251004
Ion	Ratio	Lower	Upper
117	100		
82	48.1	41.4	62.2
119	32.5	26.5	39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078777.D
Acq: 28 Mar 2024 16:30

Tgt Ion:	152	Resp:	105233
Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.1	81.2
150	159.2	0.0	350.2





#76

1,2,3-Trichloropropane

Concen: 53.508 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

Instrument :

MSVOA_D

ClientSampleId :

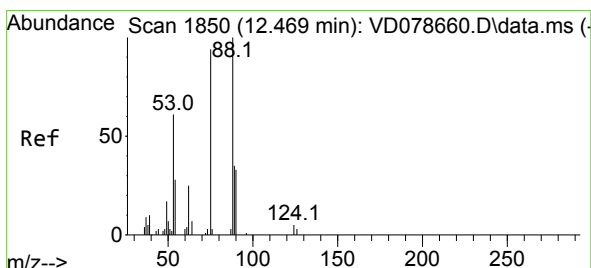
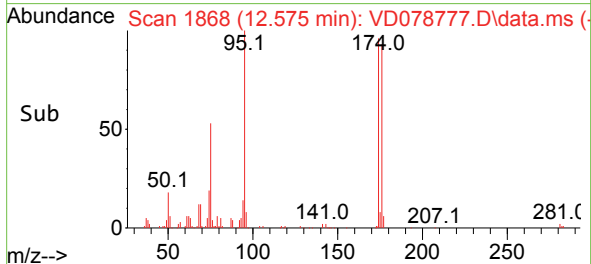
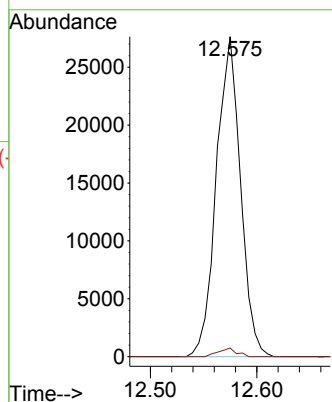
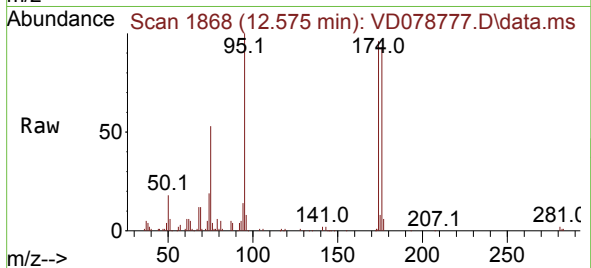
72-11933

Tgt Ion: 75 Resp: 43382

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.161 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078777.D

Acq: 28 Mar 2024 16:30

Tgt Ion: 75 Resp: 43382

Ion Ratio Lower Upper

75 100

53 0.0 61.0 91.6#

89 0.0 35.4 53.0#

