

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102523\
 Data File : VD077414.D
 Acq On : 25 Oct 2023 15:13
 Operator : JC/SY
 Sample : 05012-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 07:00:20 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)

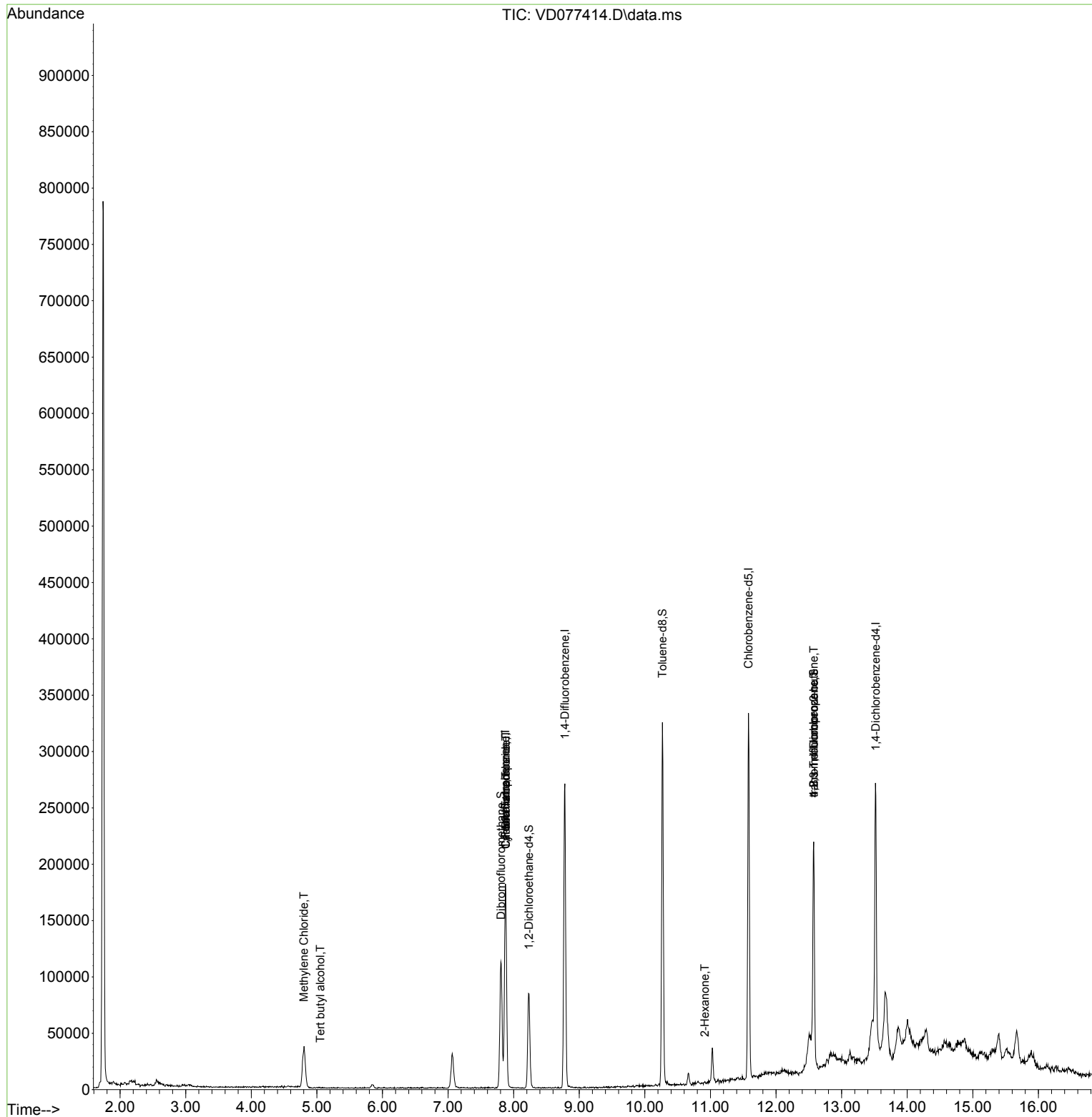
Internal Standards						
1) Pentafluorobenzene	7.875	168	147669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	259444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	207001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	64166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66942	50.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.540%
35) Dibromofluoromethane	7.810	113	83851	46.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.000%
50) Toluene-d8	10.269	98	231676	35.491	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	70.980%
62) 4-Bromofluorobenzene	12.575	95	58349	31.052	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	62.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.052	59	168	2.265	ug/l #	73
20) Methylene Chloride	4.805	84	32259	15.103	ug/l	93
31) Cyclohexane	7.881	56	2571	1.253	ug/l #	1
36) 1,1-Dichloropropene	7.881	75	10021	4.184	ug/l #	48
38) Carbon Tetrachloride	7.881	117	13887	5.212	ug/l #	17
59) 2-Hexanone	10.916	43	532	1.091	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	29319	34.553	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	29319	122.435	ug/l #	17

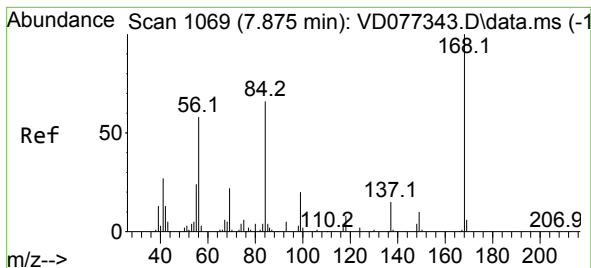
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 26 07:00:20 2023
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Quant Title : SW846 8260
QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

Instrument :

MSVOA_D

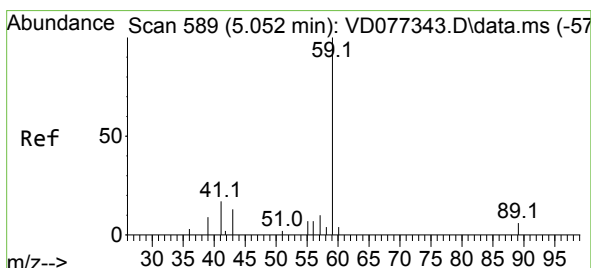
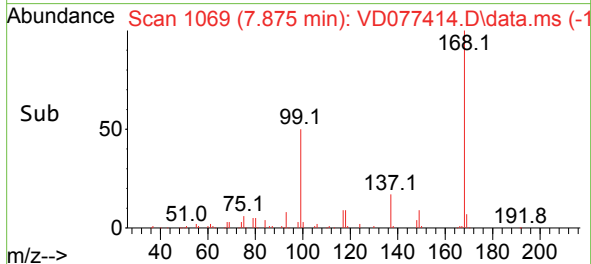
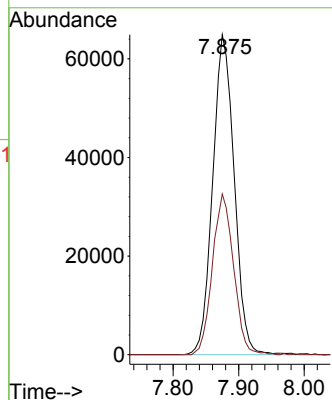
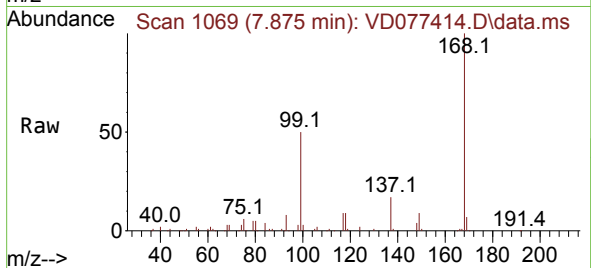
ClientSampleId :

Tgt Ion:168 Resp: 147669

Ion Ratio Lower Upper

168 100

99 50.2 36.7 55.1



#11

Tert butyl alcohol

Concen: 2.265 ug/l

RT: 5.052 min Scan# 589

Delta R.T. -0.000 min

Lab File: VD077414.D

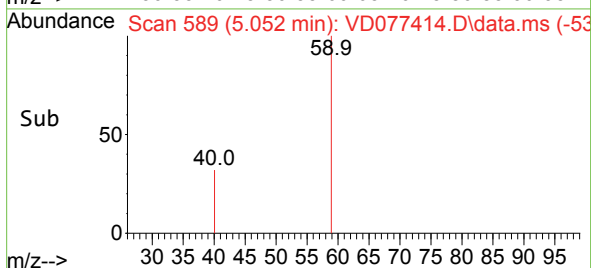
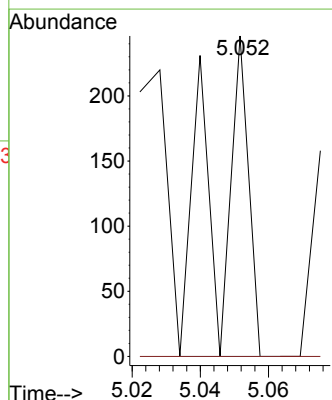
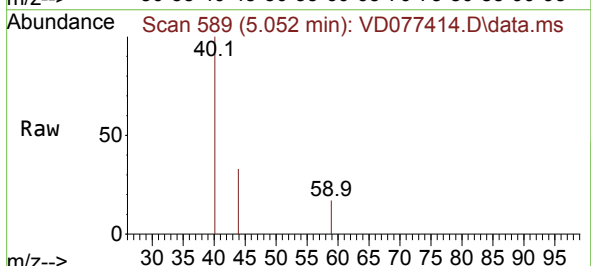
Acq: 25 Oct 2023 15:13

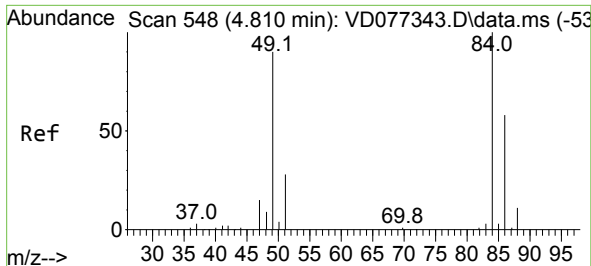
Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

59 100

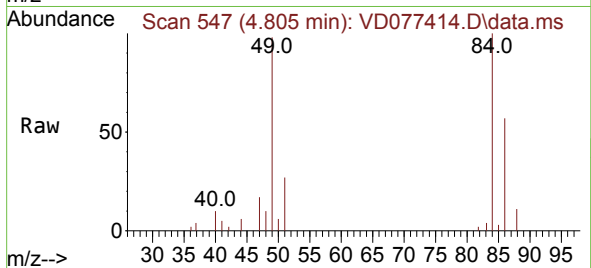
57 0.0 7.8 11.8#



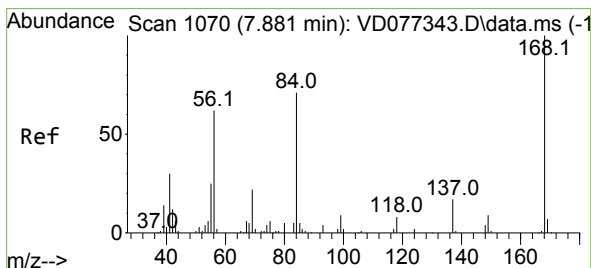
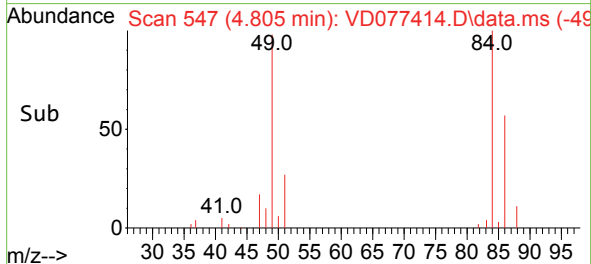
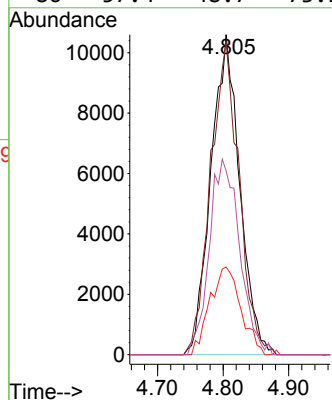


#20
Methylene Chloride
Concen: 15.103 ug/l
RT: 4.805 min Scan# 54
Delta R.T. -0.005 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

Instrument :
MSVOA_D
ClientSampleId :

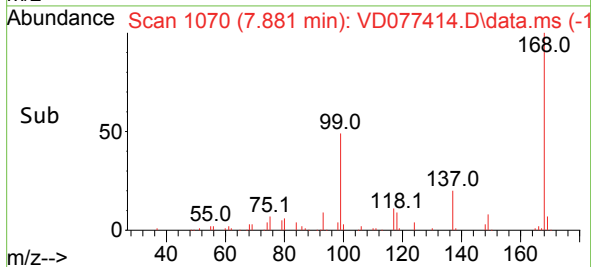
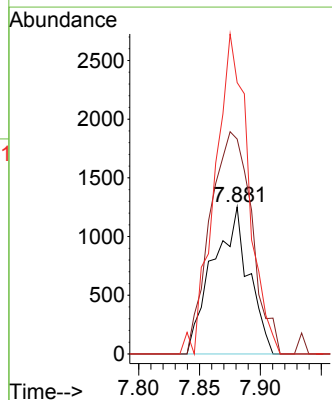
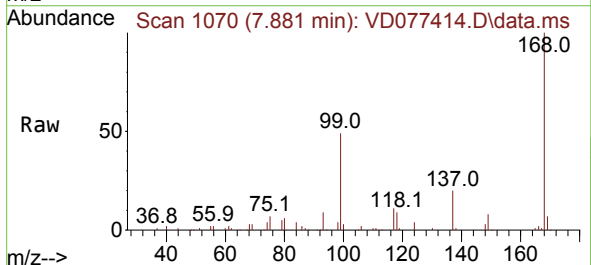


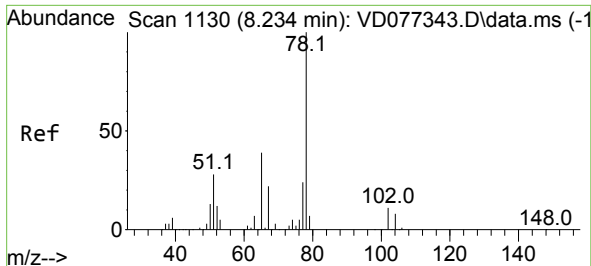
Tgt Ion: 84	Resp: 32259
Ion Ratio	Lower Upper
84 100	
49 97.8	71.4 107.2
51 27.4	24.5 36.7
86 57.4	48.7 73.1



#31
Cyclohexane
Concen: 1.253 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

Tgt Ion: 56	Resp: 2571
Ion Ratio	Lower Upper
56 100	
69 146.1	28.6 43.0#
84 184.4	84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 50.768 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

Instrument :

MSVOA_D

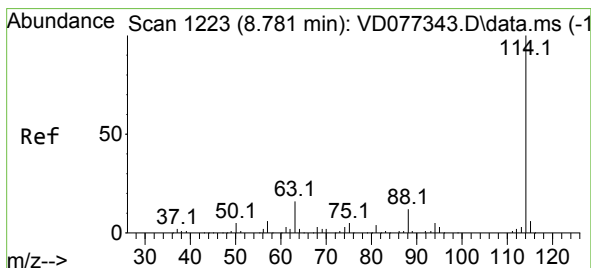
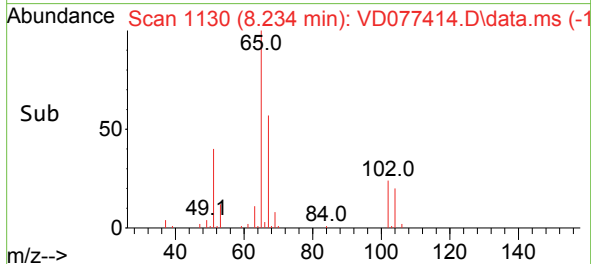
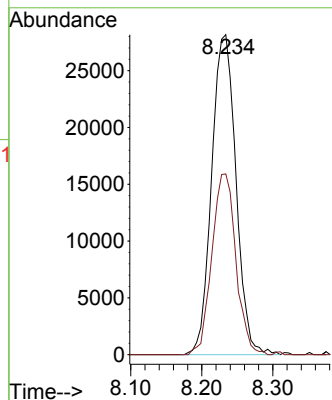
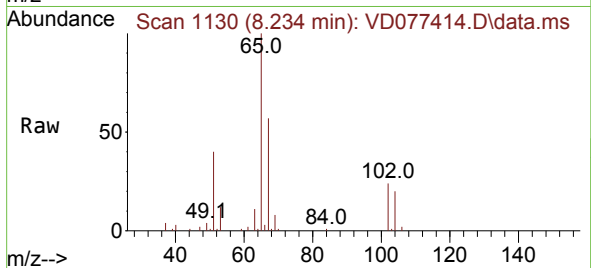
ClientSampleId :

Tgt Ion: 65 Resp: 66942

Ion Ratio Lower Upper

65 100

67 55.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

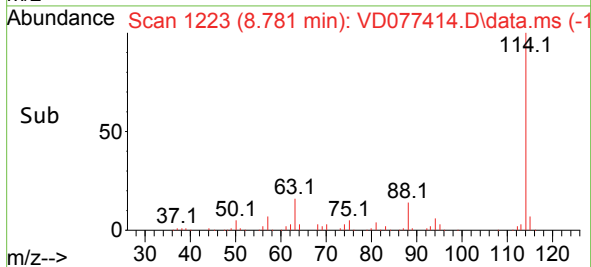
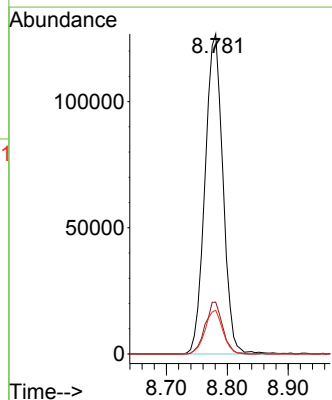
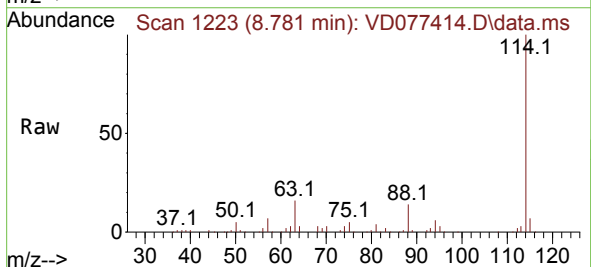
Tgt Ion: 114 Resp: 259444

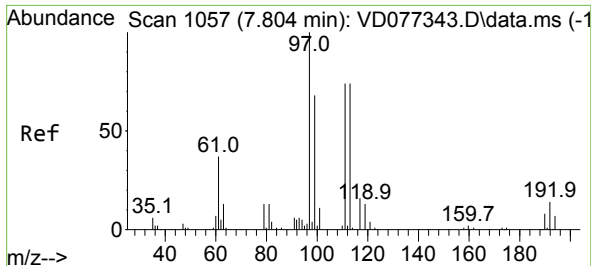
Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.004 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

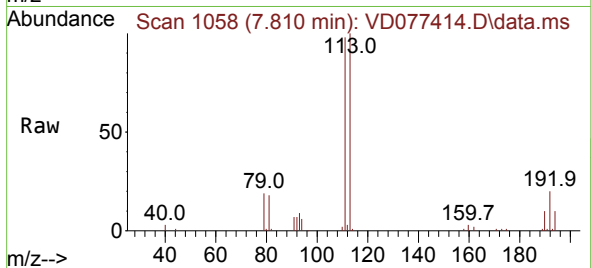
Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :



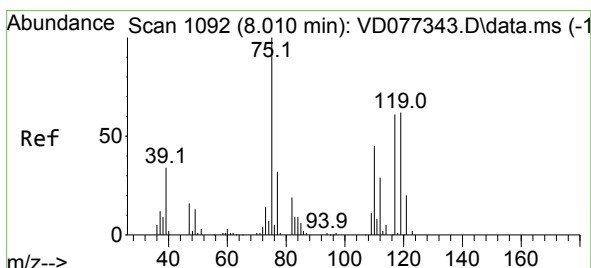
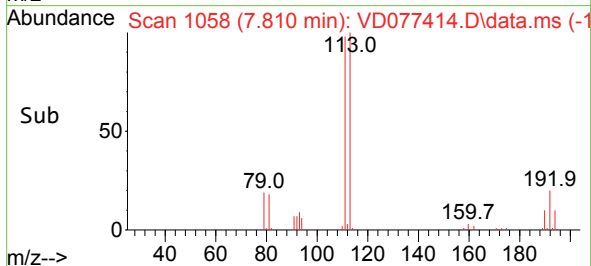
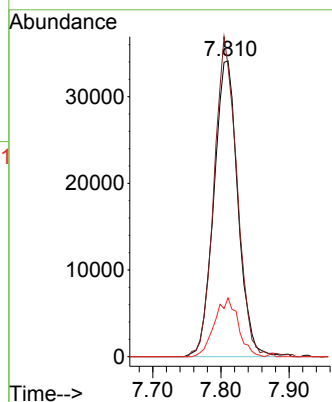
Tgt Ion:113 Resp: 83851

Ion Ratio Lower Upper

113 100

111 103.1 84.7 127.1

192 19.6 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.184 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

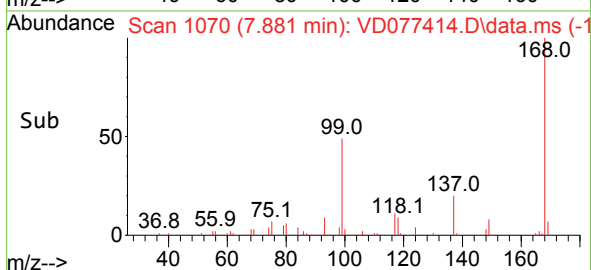
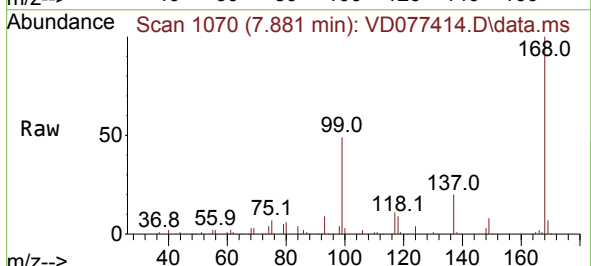
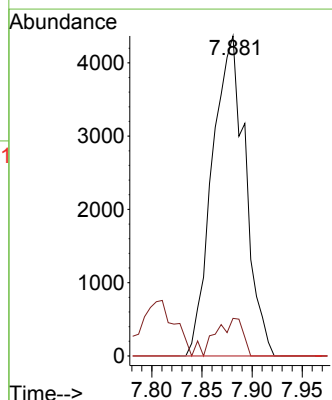
Tgt Ion: 75 Resp: 10021

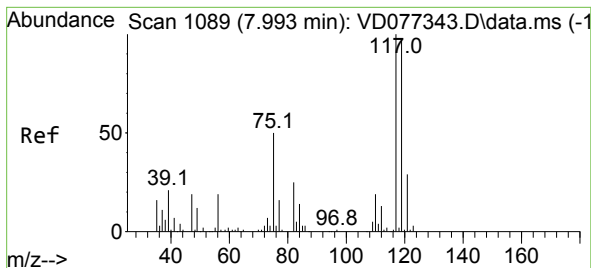
Ion Ratio Lower Upper

75 100

110 9.8 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.212 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

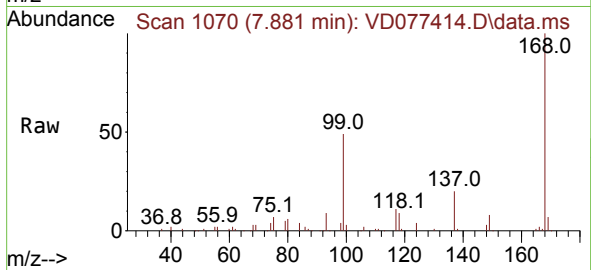
Lab File: VD077414.D

Acq: 25 Oct 2023 15:13

Instrument :

MSVOA_D

ClientSampleId :



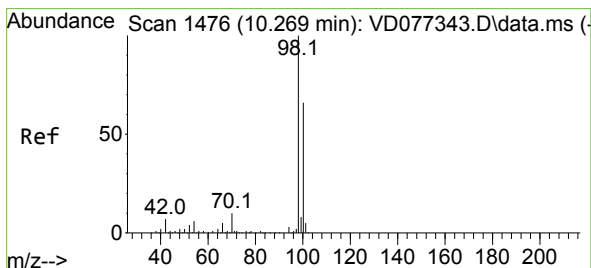
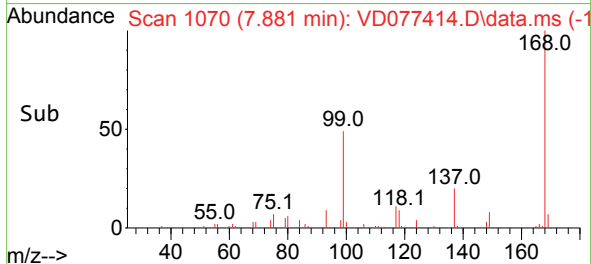
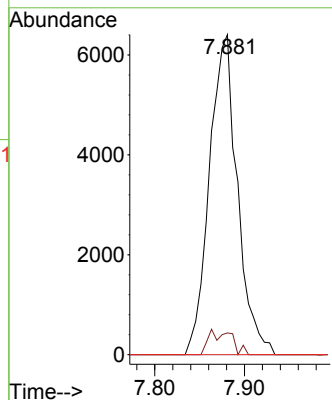
Tgt Ion:117 Resp: 13887

Ion Ratio Lower Upper

117 100

119 6.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 35.491 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077414.D

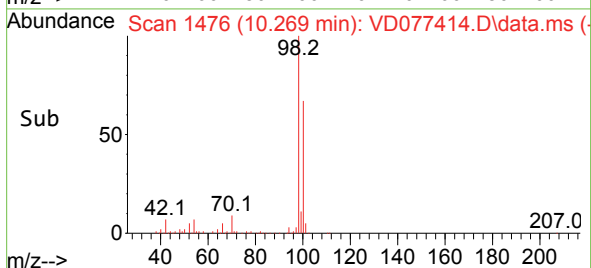
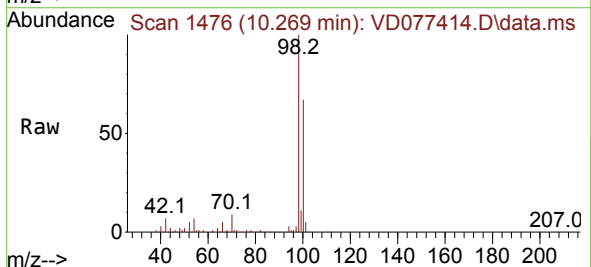
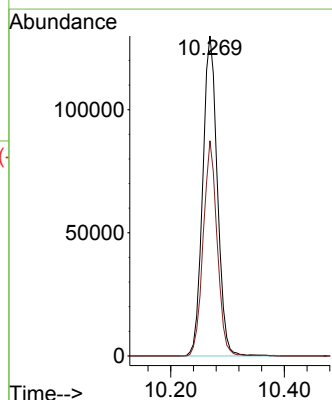
Acq: 25 Oct 2023 15:13

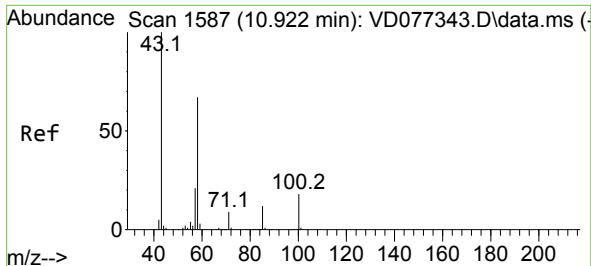
Tgt Ion: 98 Resp: 231676

Ion Ratio Lower Upper

98 100

100 64.1 50.3 75.5

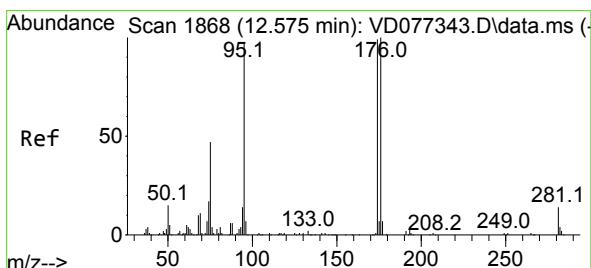
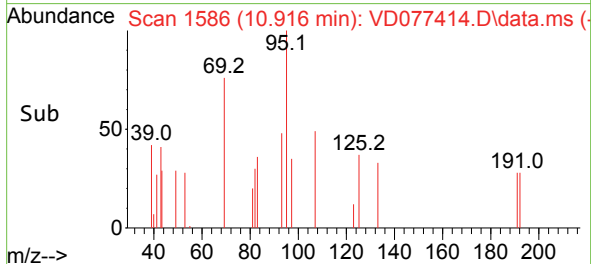
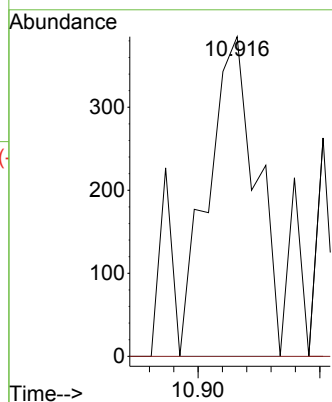
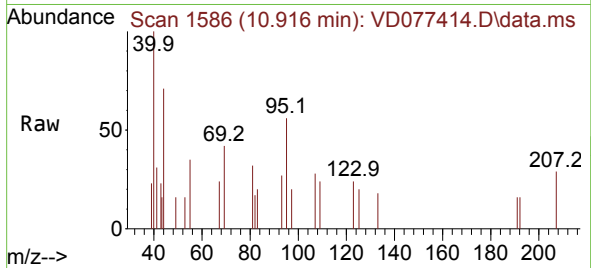




#59
2-Hexanone
Concen: 1.091 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

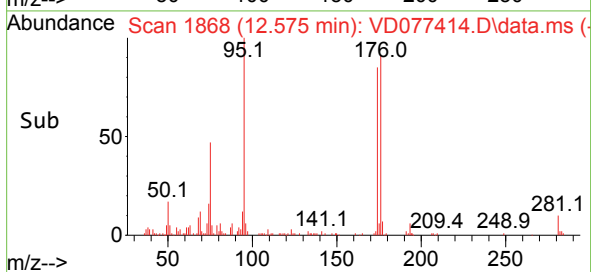
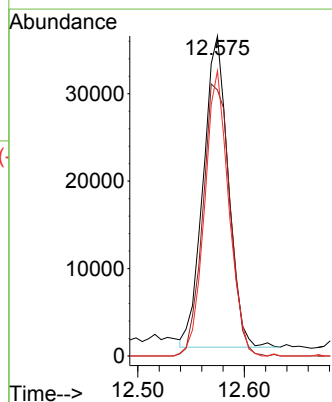
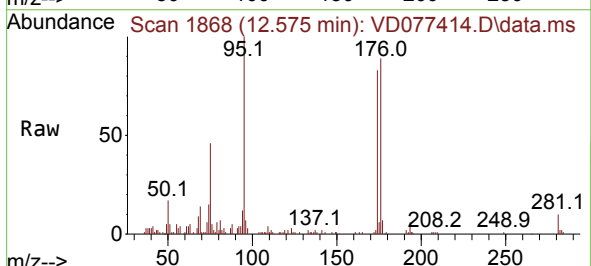
Instrument :
MSVOA_D
ClientSampleId :

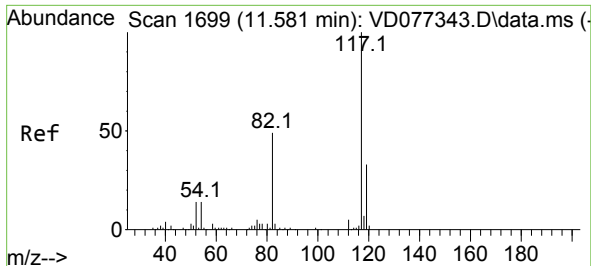
Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 31.052 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

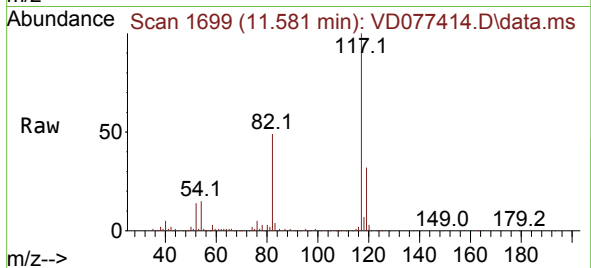
Tgt Ion: 95 Resp: 58349
Ion Ratio Lower Upper
95 100
174 94.9 0.0 201.8
176 88.1 0.0 191.8



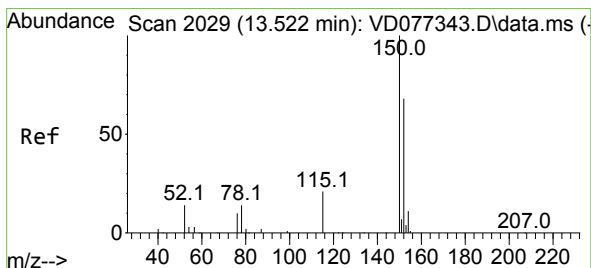
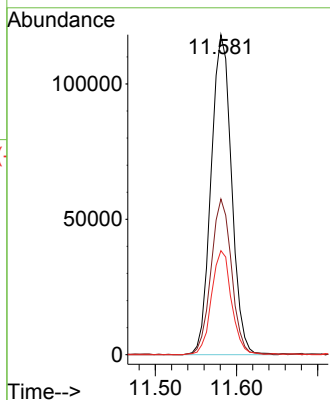
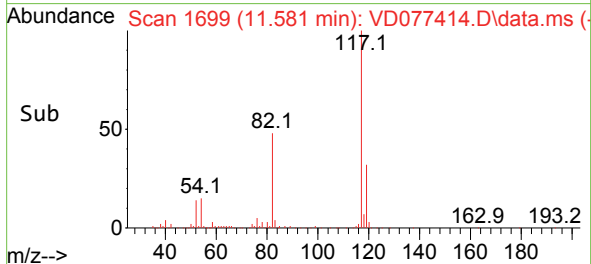


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

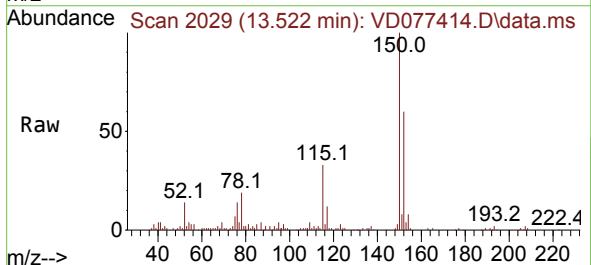
Instrument :
MSVOA_D
ClientSampleId :



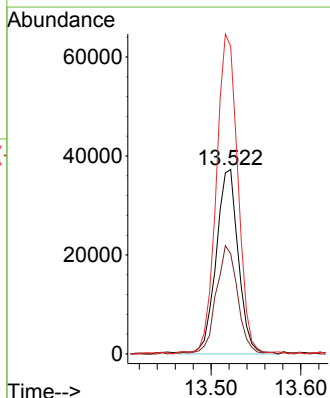
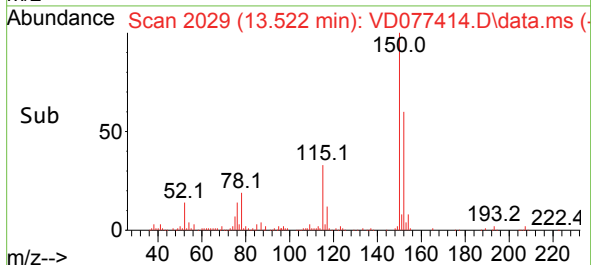
Tgt Ion:117 Resp: 207001
Ion Ratio Lower Upper
117 100
82 48.6 38.3 57.5
119 32.5 25.0 37.4

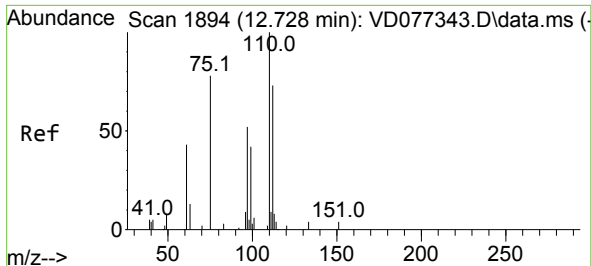


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.000 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13



Tgt Ion:152 Resp: 64166
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 168.2 0.0 353.6

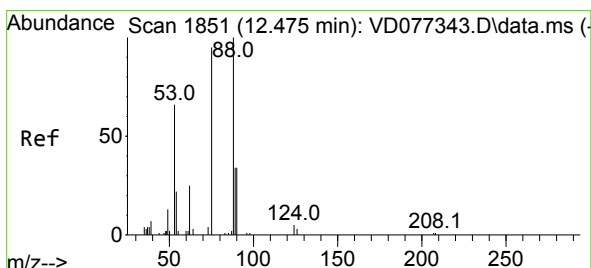
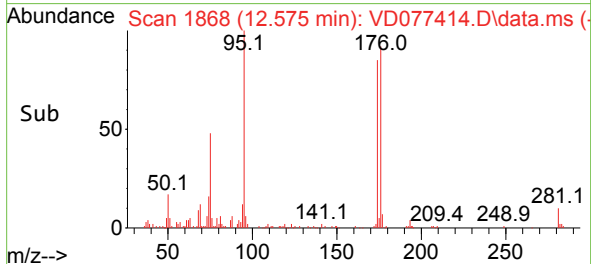
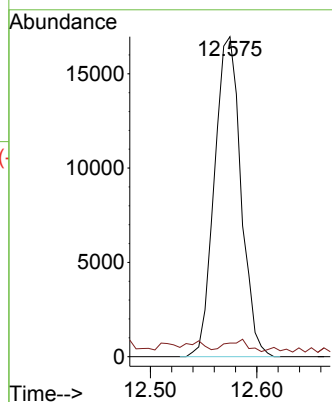
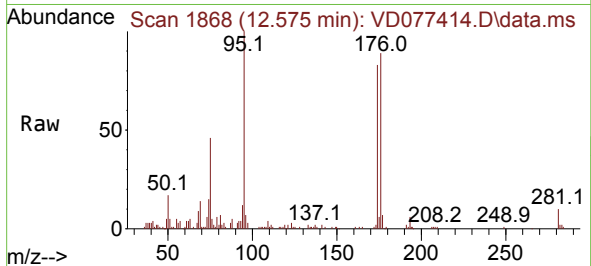




#76
1,2,3-Trichloropropane
Concen: 34.553 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 29319
Ion Ratio Lower Upper
75 100
77 3.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.435 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077414.D
Acq: 25 Oct 2023 15:13

Tgt Ion: 75 Resp: 29319
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

