

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077868.D
 Acq On : 13 Dec 2023 17:52
 Operator : RP/MD
 Sample : 05611-03
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:55:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

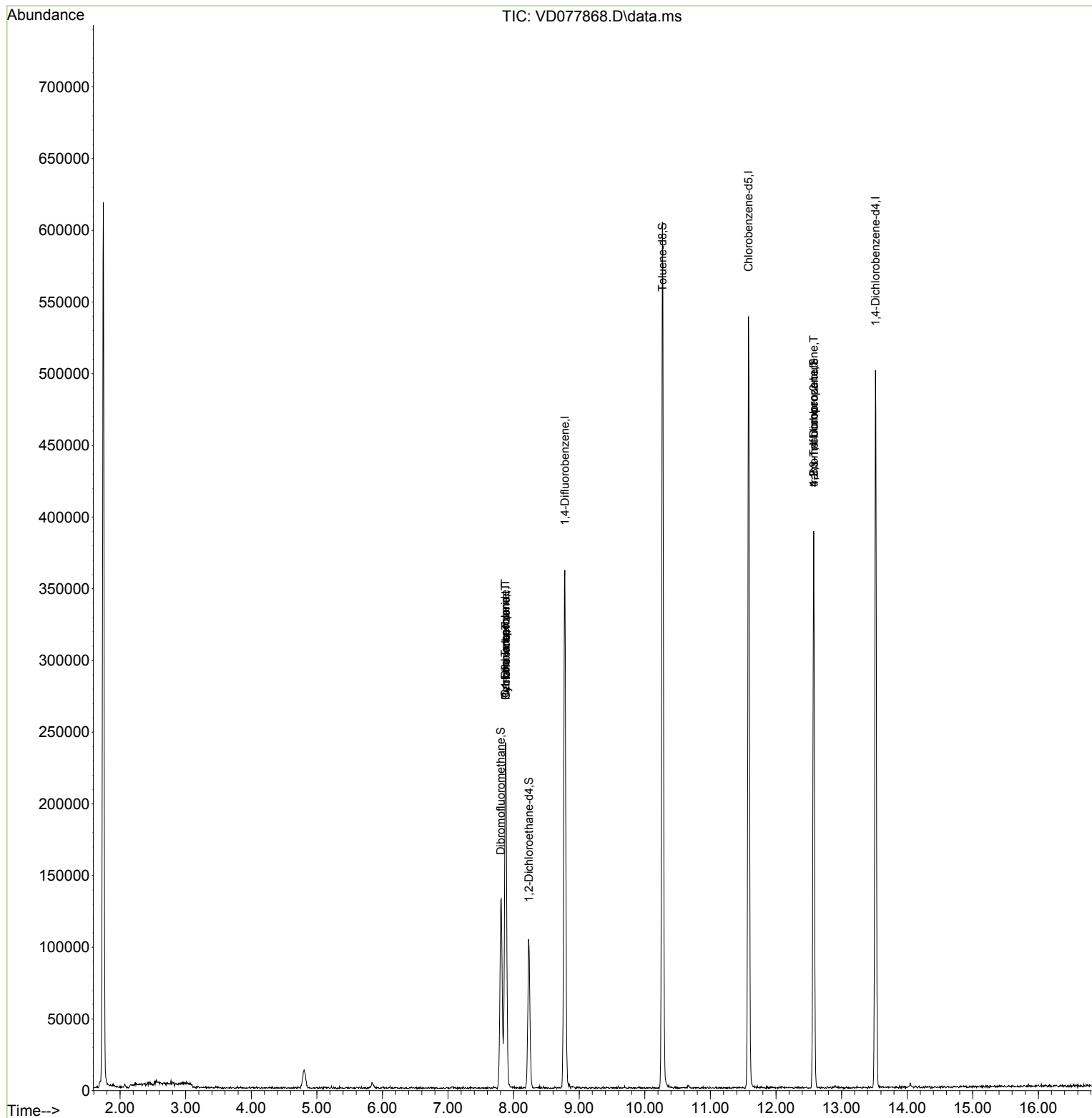
Internal Standards						
1) Pentafluorobenzene	7.881	168	187654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	329954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	312245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78949	35.704	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.400%
35) Dibromofluoromethane	7.805	113	97521	42.195	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.380%
50) Toluene-d8	10.269	98	418251	45.183	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.360%
62) 4-Bromofluorobenzene	12.575	95	114263	41.287	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.028	59	55	Below Cal	#	1
16) Acetone	4.028	43	70	Below Cal	#	32
20) Methylene Chloride	4.799	84	9879	Below Cal	#	79
25) 2-Butanone	7.187	43	57	Below Cal	#	37
31) Cyclohexane	7.881	56	4091	1.040	ug/l #	58
36) 1,1-Dichloropropene	7.875	75	15218	4.116	ug/l #	47
38) Carbon Tetrachloride	7.875	117	18192	4.936	ug/l #	15
65) Chlorobenzene	11.604	112	308	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	60727	52.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60727	106.937	ug/l #	17
88) 1,4-Dichlorobenzene	13.540	146	568	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.539	75	54	Below Cal	#	1

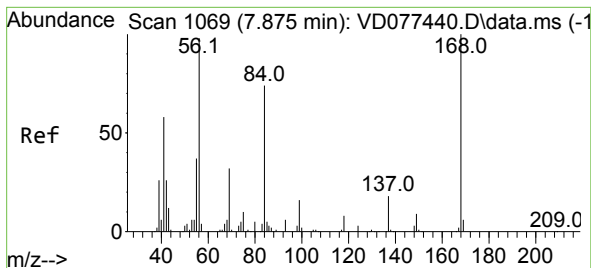
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
Data File : VD077868.D
Acq On : 13 Dec 2023 17:52
Operator : RP/MD
Sample : 05611-03
Misc : 5.04G/5.0ml/MSVOA_D/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 14 01:55:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

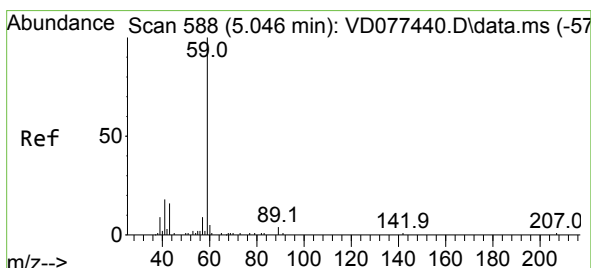
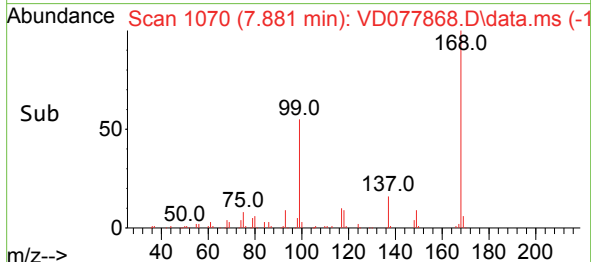
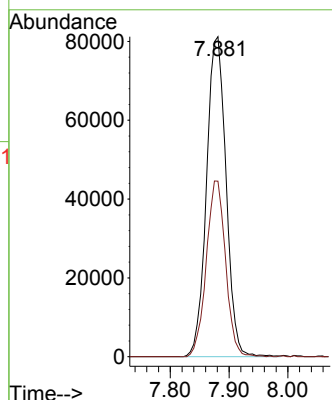
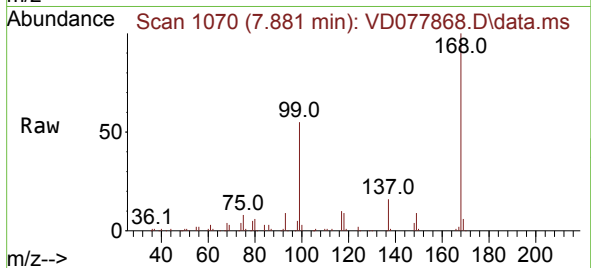
ClientSampleId :

Tgt Ion:168 Resp: 187654

Ion Ratio Lower Upper

168 100

99 54.9 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.018 min

Lab File: VD077868.D

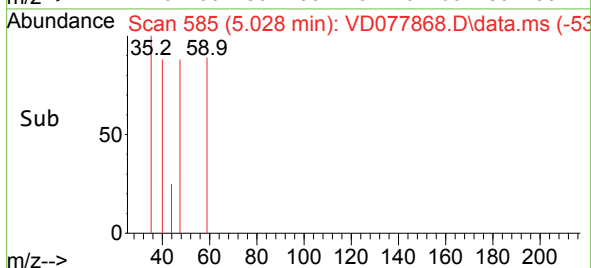
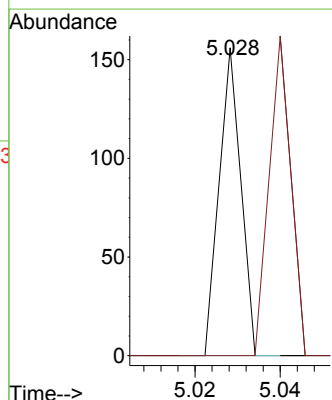
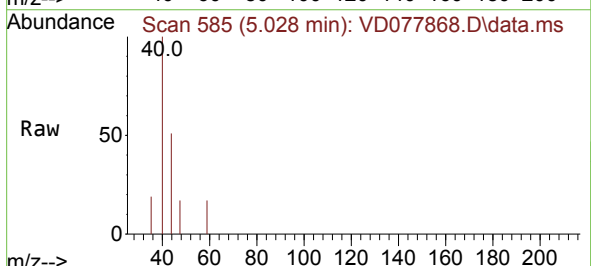
Acq: 13 Dec 2023 17:52

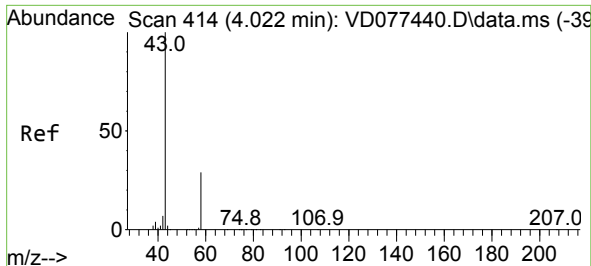
Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 103.6 7.8 11.8#

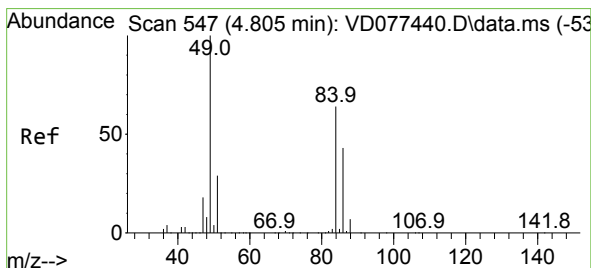
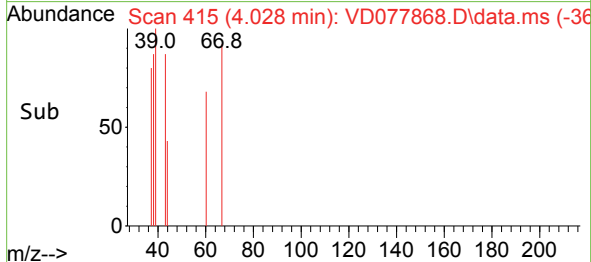
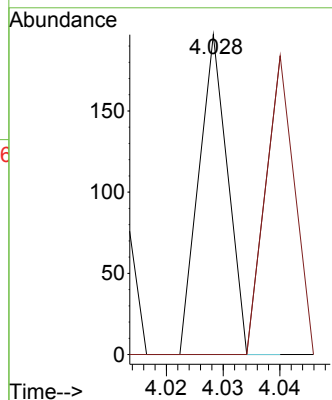
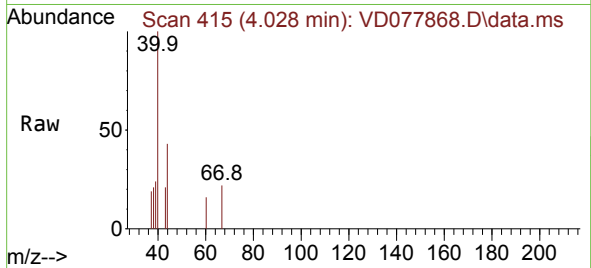




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

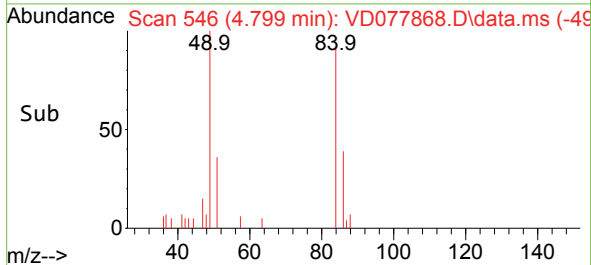
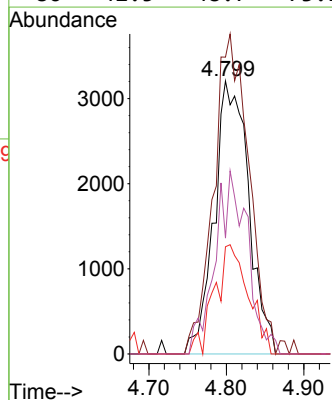
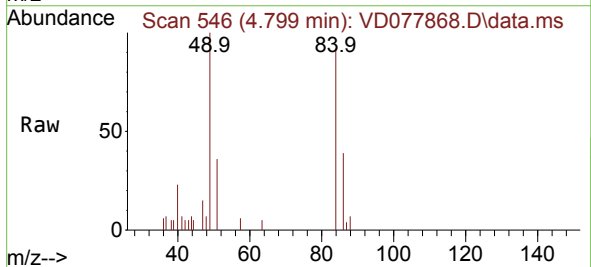
Instrument :
MSVOA_D
ClientSampleId :

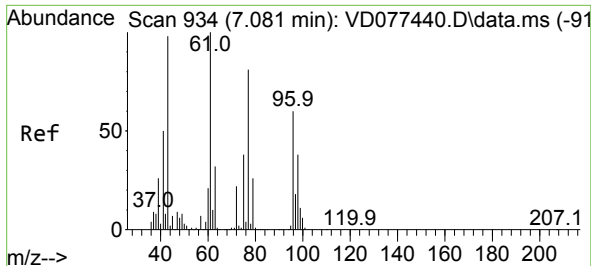
Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

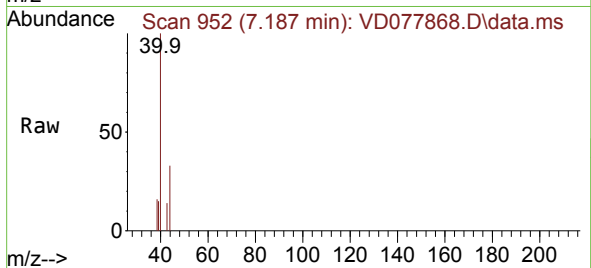
Tgt Ion: 84 Resp: 9879
Ion Ratio Lower Upper
84 100
49 108.8 71.4 107.2#
51 39.3 24.5 36.7#
86 42.5 48.7 73.1#



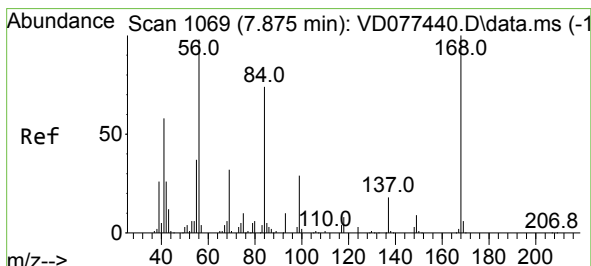
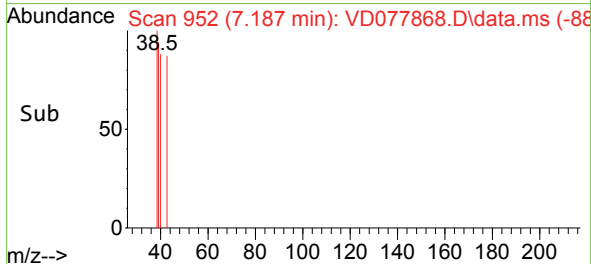
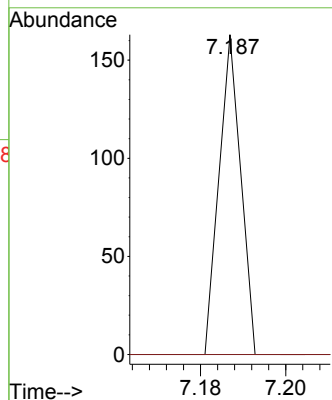


#25
2-Butanone
Concen: Below Cal
RT: 7.187 min Scan# 91
Delta R.T. 0.106 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

Instrument :
MSVOA_D
ClientSampleId :

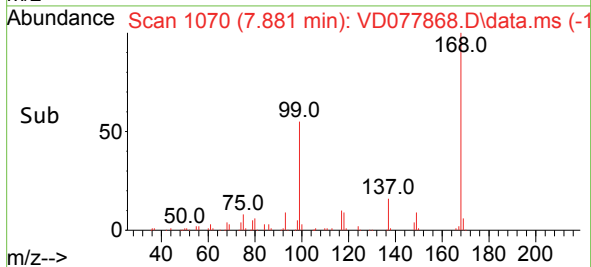
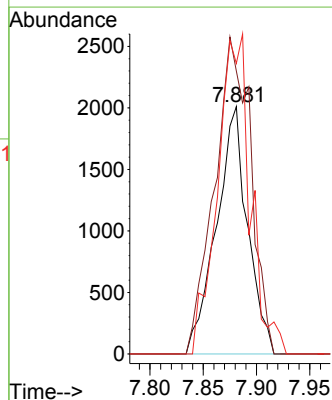
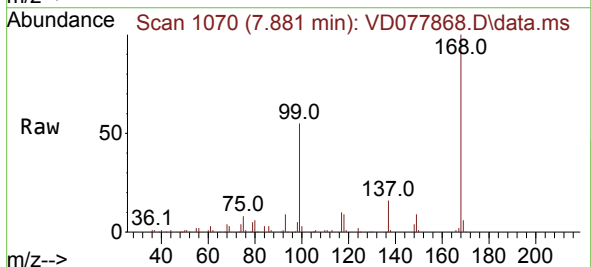


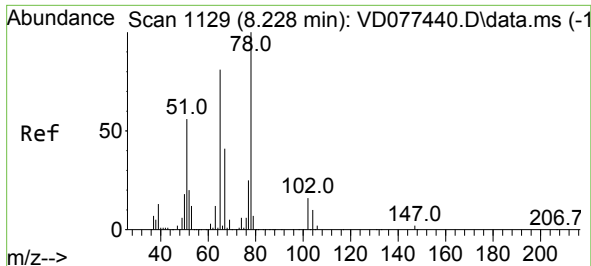
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.040 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

Tgt Ion: 56 Resp: 4091
Ion Ratio Lower Upper
56 100
69 114.3 28.6 43.0#
84 117.5 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 35.704 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

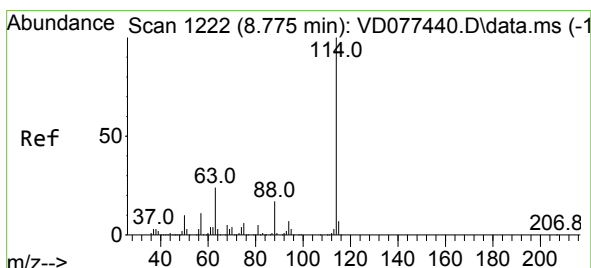
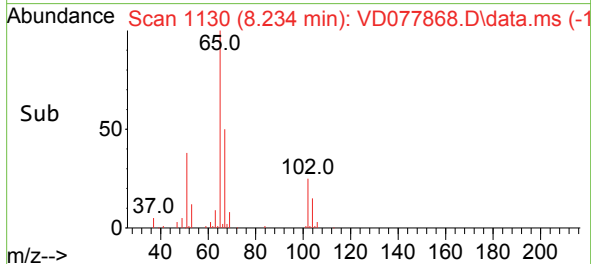
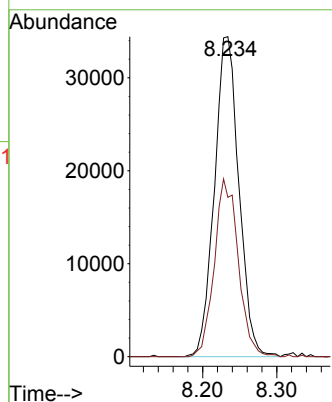
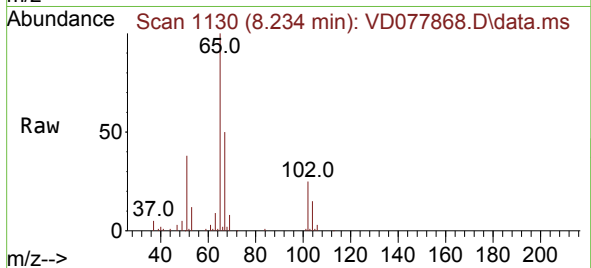
ClientSampleId :

Tgt Ion: 65 Resp: 78949

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

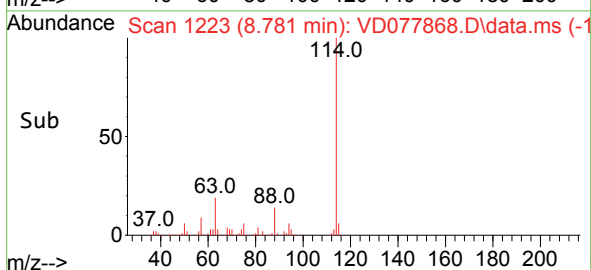
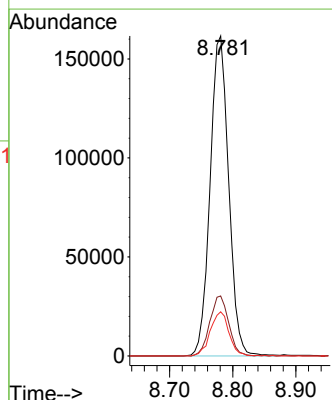
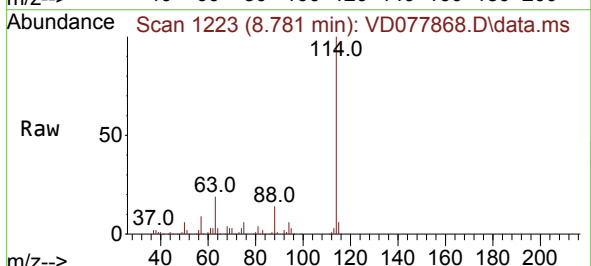
Tgt Ion: 114 Resp: 329954

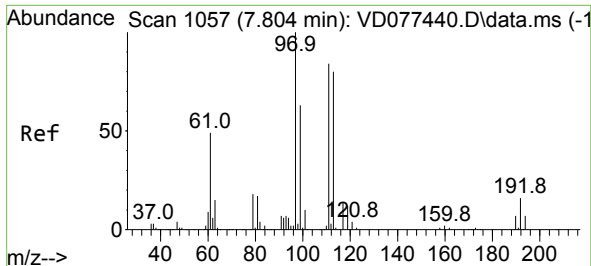
Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.195 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

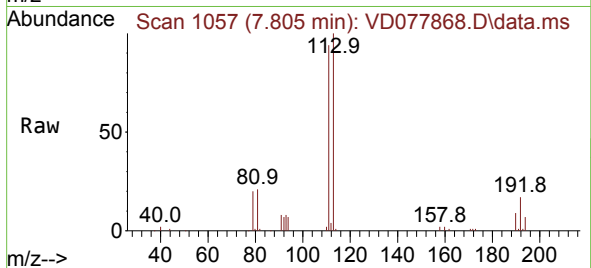
Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :



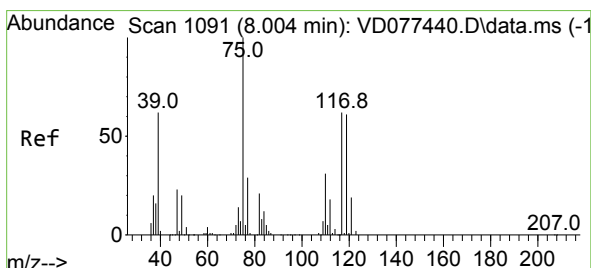
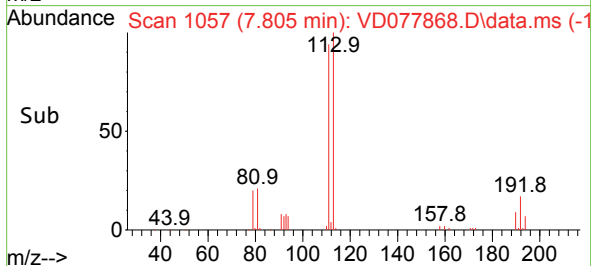
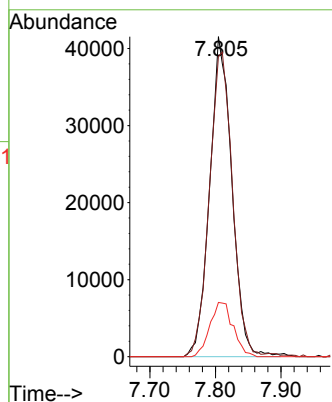
Tgt Ion:113 Resp: 97521

Ion Ratio Lower Upper

113 100

111 98.9 84.7 127.1

192 17.8 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.116 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

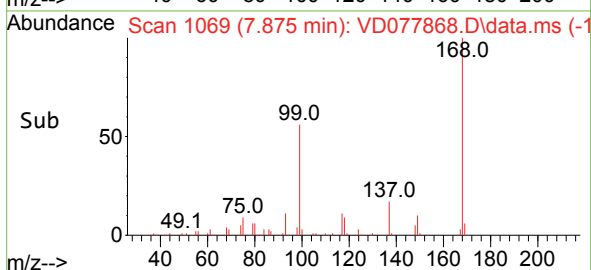
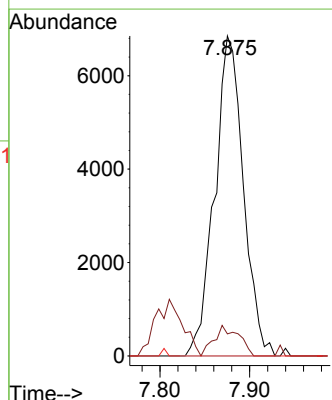
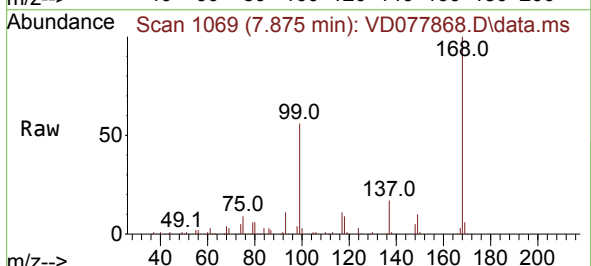
Tgt Ion: 75 Resp: 15218

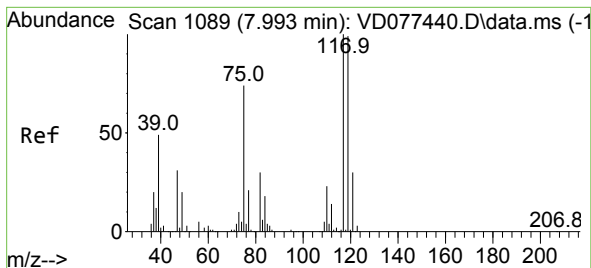
Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.936 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

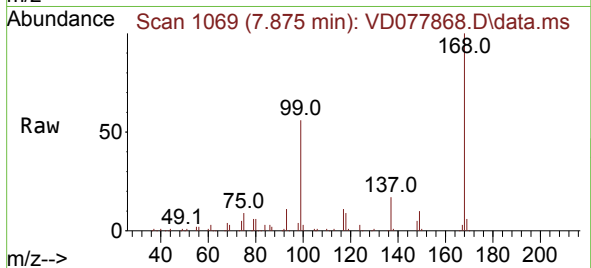
Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :



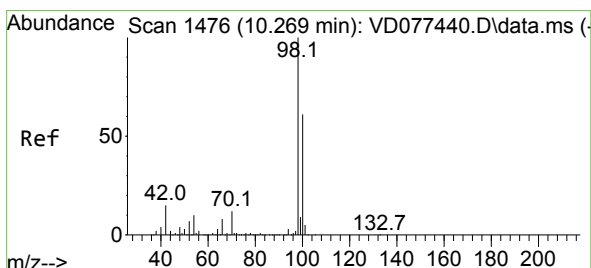
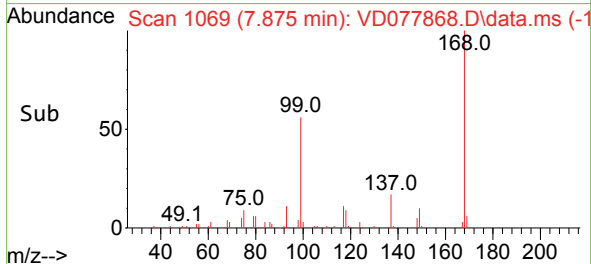
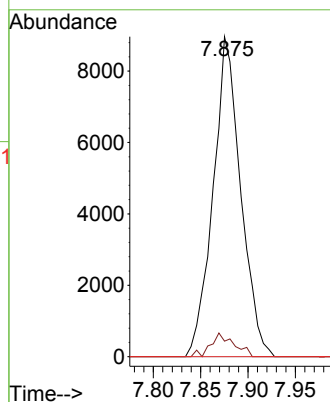
Tgt Ion:117 Resp: 18192

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.183 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077868.D

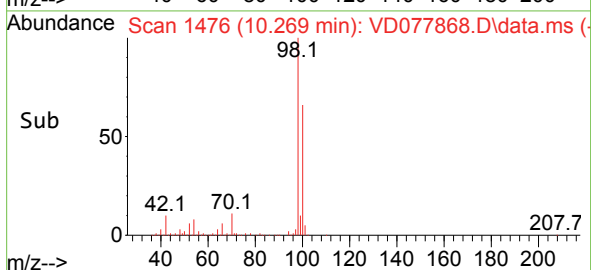
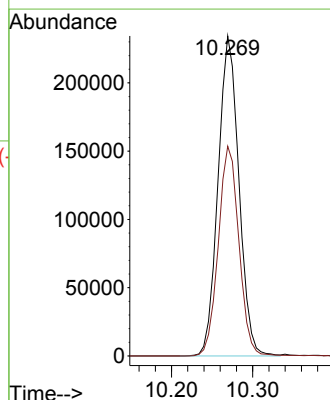
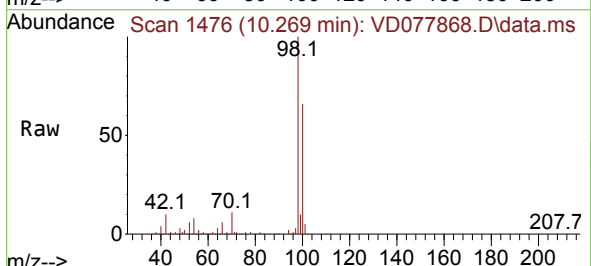
Acq: 13 Dec 2023 17:52

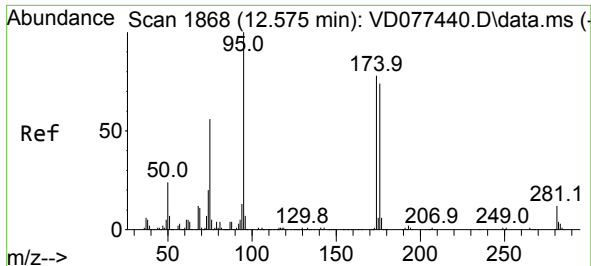
Tgt Ion: 98 Resp: 418251

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5

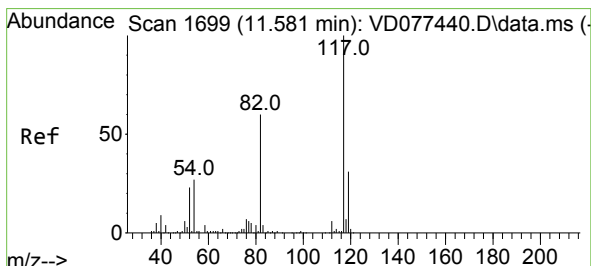
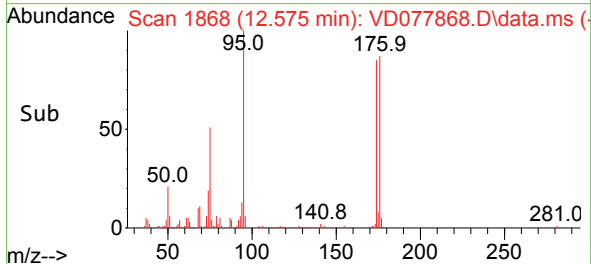
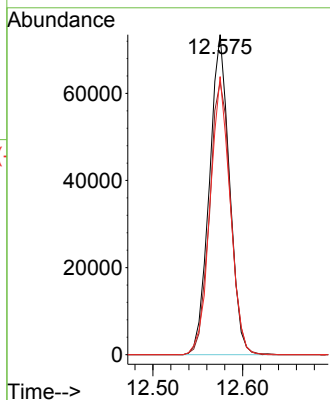
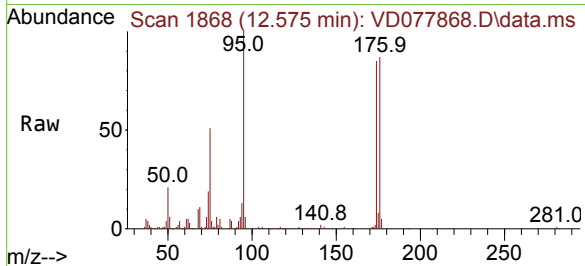




#62
4-Bromofluorobenzene
Concen: 41.287 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

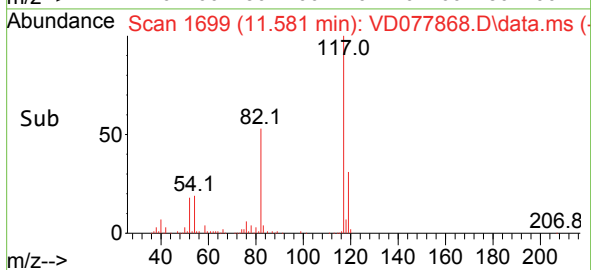
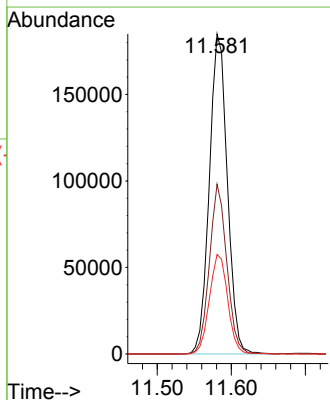
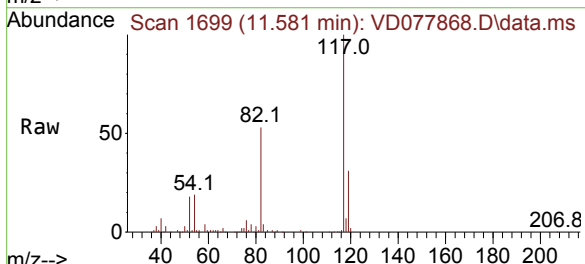
Instrument :
MSVOA_D
ClientSampleId :

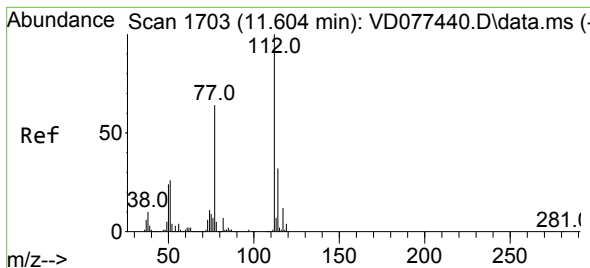
Tgt Ion: 95 Resp: 114263
Ion Ratio Lower Upper
95 100
174 89.3 0.0 201.8
176 86.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

Tgt Ion: 117 Resp: 312245
Ion Ratio Lower Upper
117 100
82 53.0 38.3 57.5
119 31.1 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

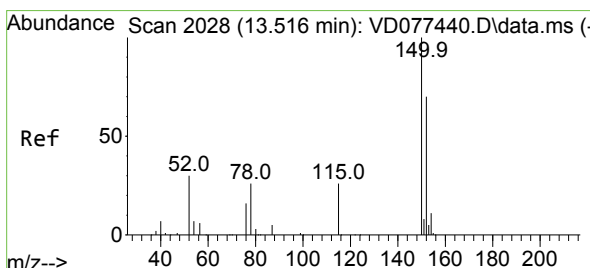
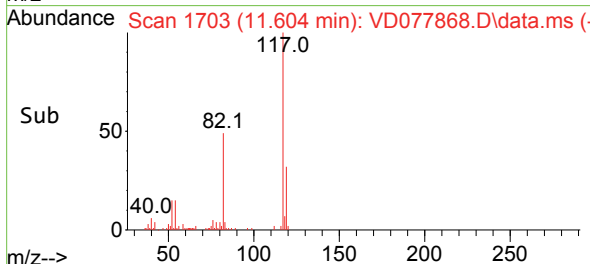
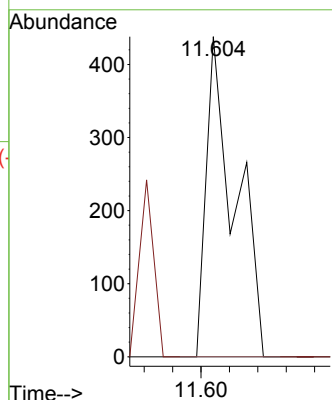
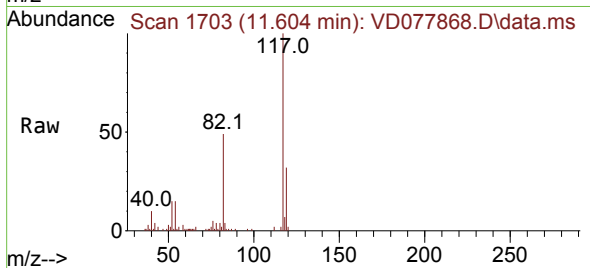
ClientSampleId :

Tgt Ion:112 Resp: 308

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

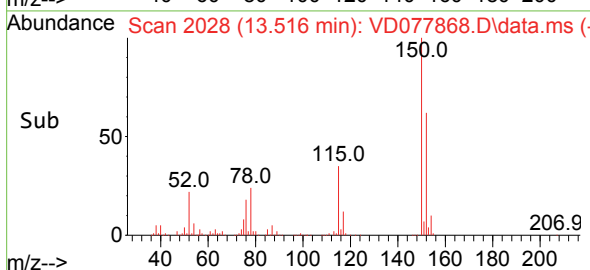
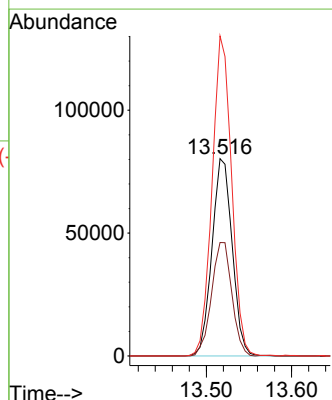
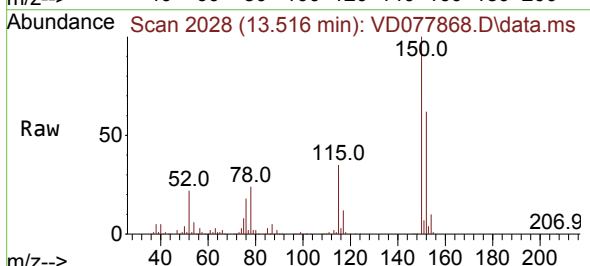
Tgt Ion:152 Resp: 132476

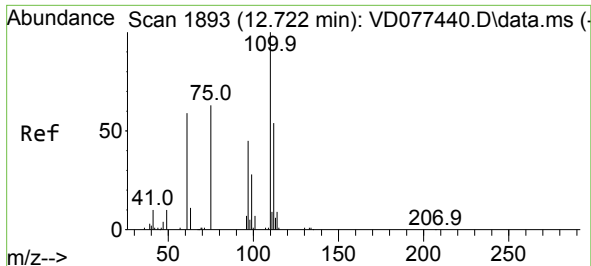
Ion Ratio Lower Upper

152 100

115 57.8 27.1 81.3

150 156.1 0.0 353.6

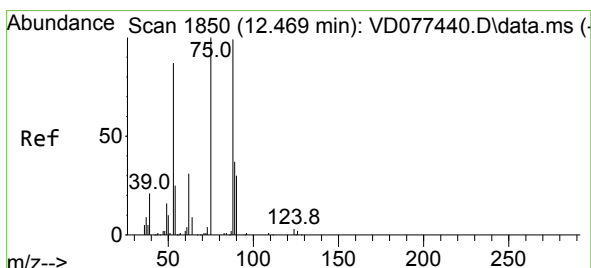
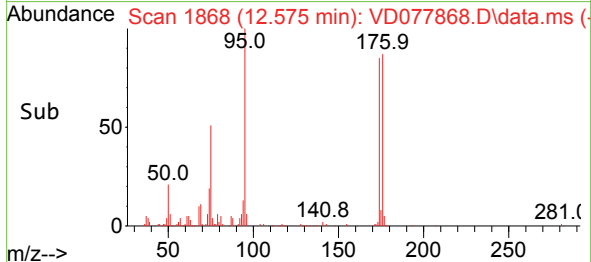
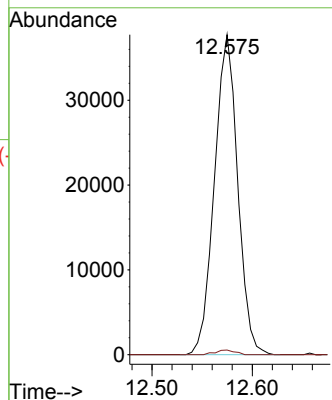
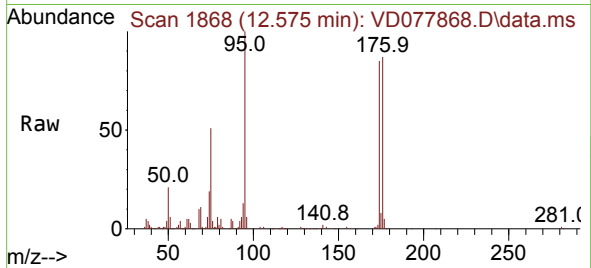




#76
1,2,3-Trichloropropane
Concen: 52.780 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

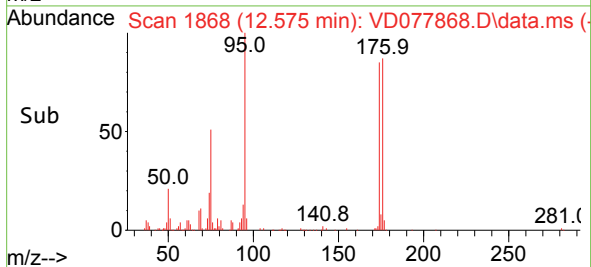
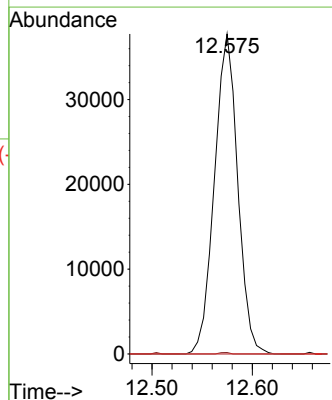
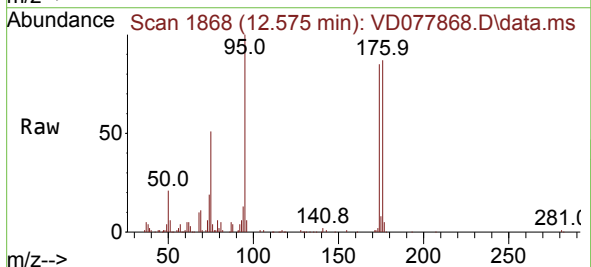
Instrument :
MSVOA_D
ClientSampleId :

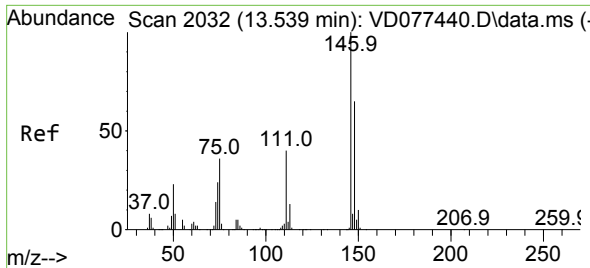
Tgt Ion: 75 Resp: 60727
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.937 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077868.D
Acq: 13 Dec 2023 17:52

Tgt Ion: 75 Resp: 60727
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.540 min Scan# 2032

Delta R.T. 0.001 min

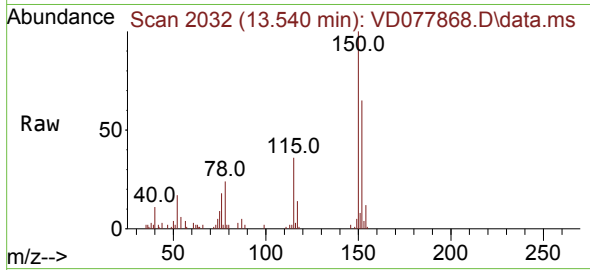
Lab File: VD077868.D

Acq: 13 Dec 2023 17:52

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:146 Resp: 568

Ion Ratio Lower Upper

146 100

111 0.0 17.4 52.3#

148 170.8 31.7 95.1#

