

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121923\
 Data File : VD077967.D
 Acq On : 19 Dec 2023 11:58
 Operator : RP/MD
 Sample : VD1219SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 02:01:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

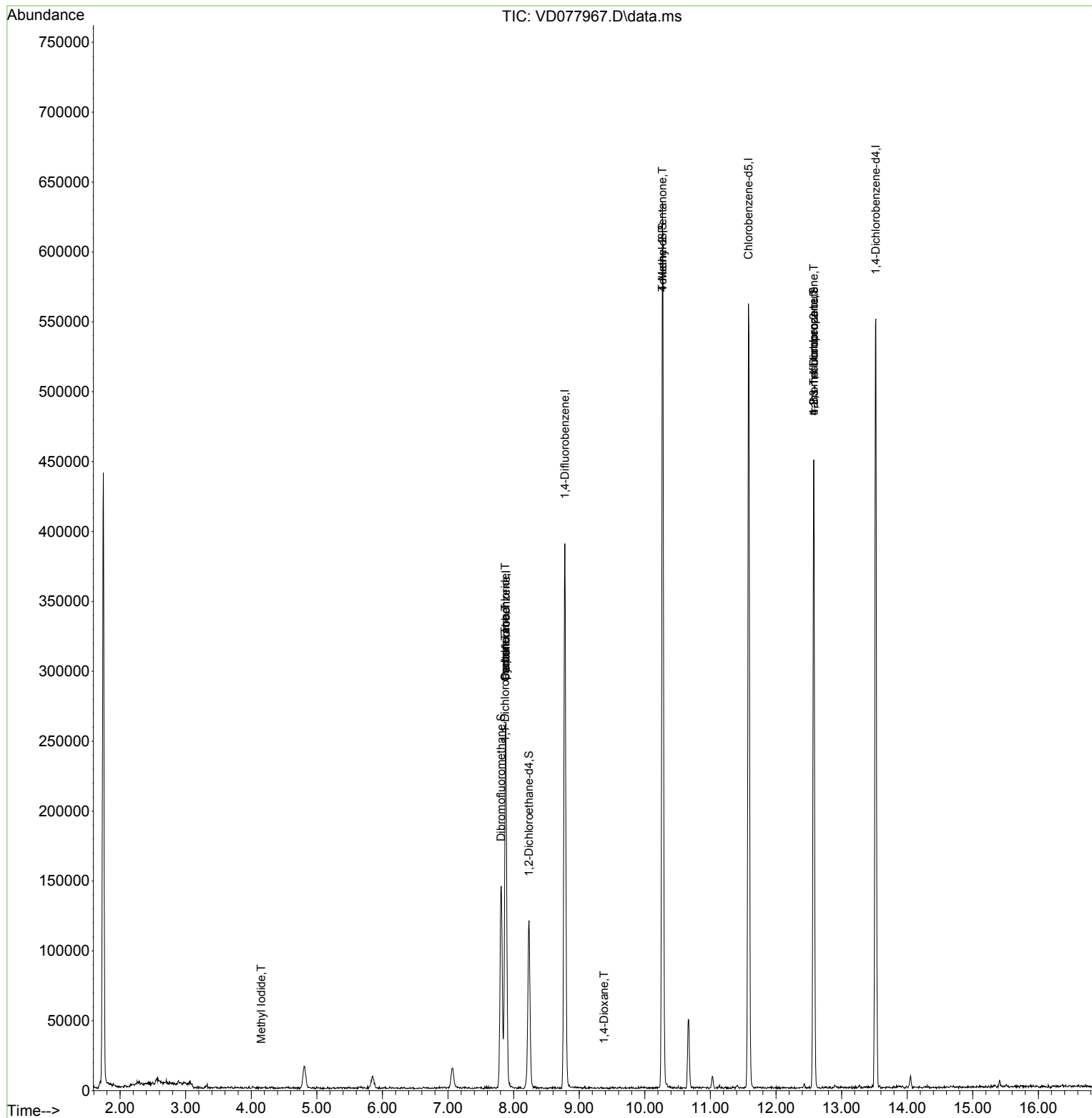
Internal Standards						
1) Pentafluorobenzene	7.881	168	200059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	352635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	333611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	149891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	92161	39.094	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.180%
35) Dibromofluoromethane	7.811	113	105108	42.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.100%
50) Toluene-d8	10.269	98	445346	45.016	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.040%
62) 4-Bromofluorobenzene	12.575	95	127075	42.963	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.920%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.152	142	64	6.767	ug/l #	46
11) Tert butyl alcohol	5.081	59	55	Below Cal	#	73
16) Acetone	4.040	43	910	Below Cal	#	32
20) Methylene Chloride	4.817	84	12407	Below Cal		89
25) 2-Butanone	7.069	43	1079	Below Cal	#	37
31) Cyclohexane	7.875	56	4554	1.086	ug/l #	16
36) 1,1-Dichloropropene	7.869	75	15573	3.941	ug/l #	45
38) Carbon Tetrachloride	7.875	117	19626	4.983	ug/l #	17
49) 1,4-Dioxane	9.375	88	56	3.910	ug/l #	33
51) 4-Methyl-2-Pentanone	10.269	43	2138	1.530	ug/l #	1
65) Chlorobenzene	11.610	112	65	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	67585	51.916	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67585	105.186	ug/l #	17
88) 1,4-Dichlorobenzene	13.551	146	161	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.345	75	132	Below Cal	#	1

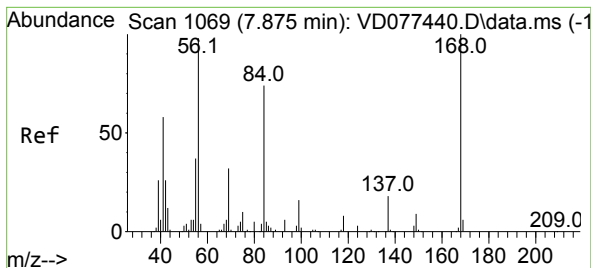
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 02:01:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

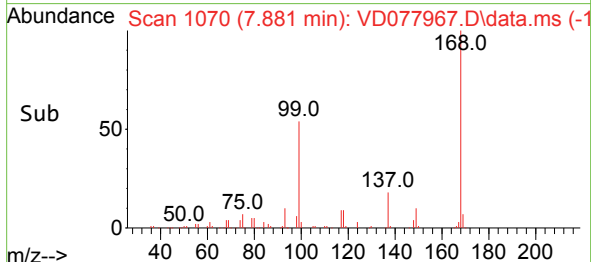
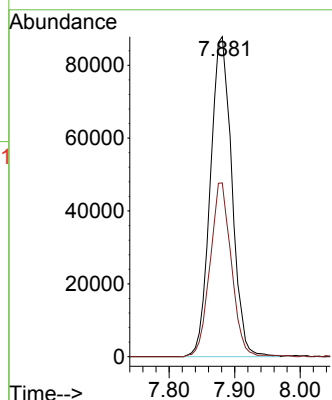
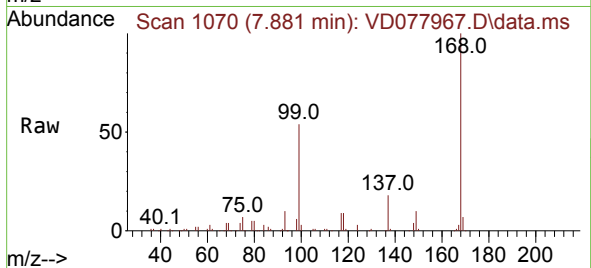
ClientSampleId :

Tgt Ion:168 Resp: 200059

Ion Ratio Lower Upper

168 100

99 54.3 36.7 55.1



#10

Methyl Iodide

Concen: 6.767 ug/l

RT: 4.152 min Scan# 436

Delta R.T. -0.017 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

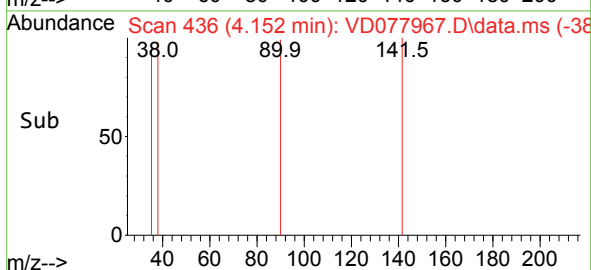
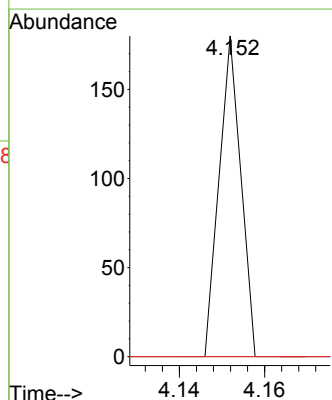
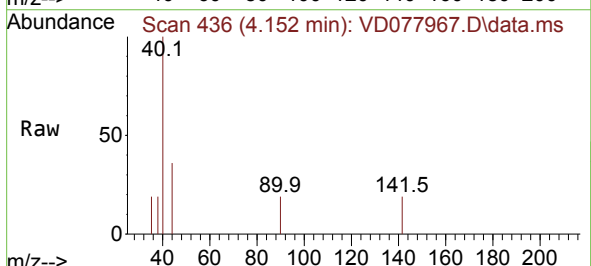
Tgt Ion:142 Resp: 64

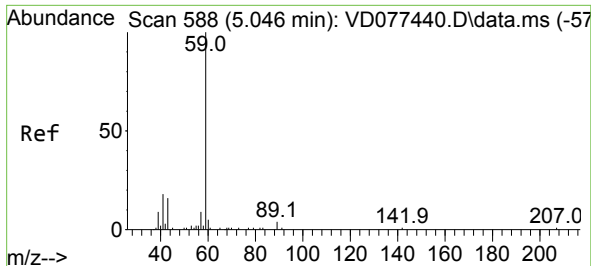
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

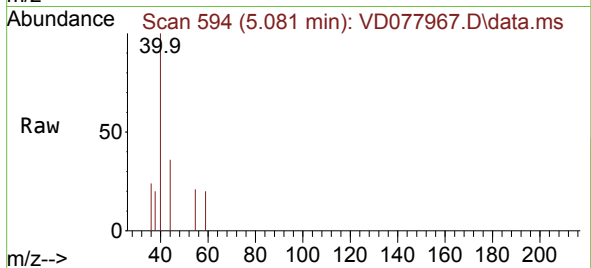
141 0.0 11.1 16.7#



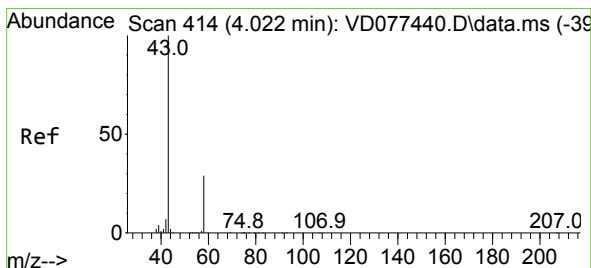
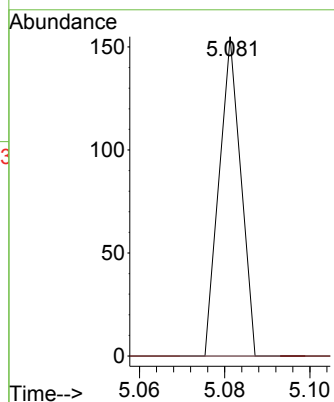


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.081 min Scan# 59
Delta R.T. 0.035 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

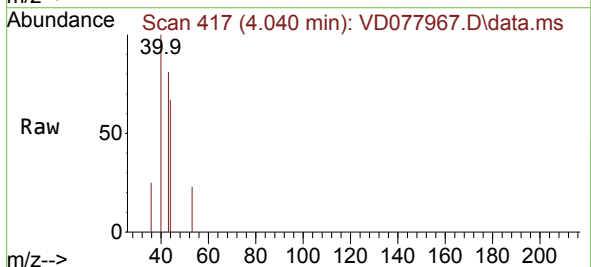
Instrument :
MSVOA_D
ClientSampleId :



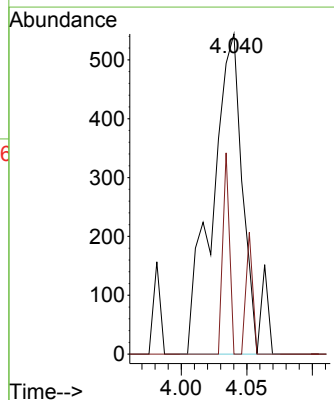
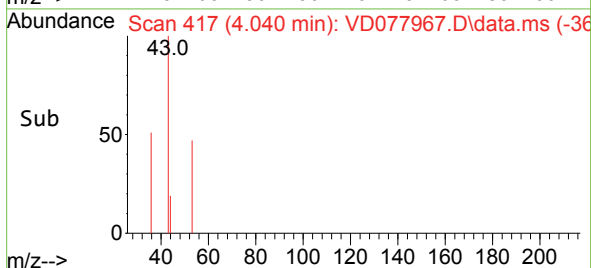
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 417
Delta R.T. 0.018 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58



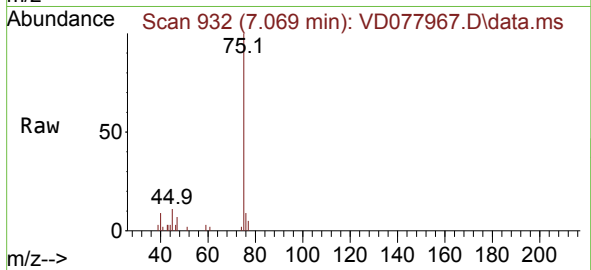
Tgt Ion: 43 Resp: 910
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



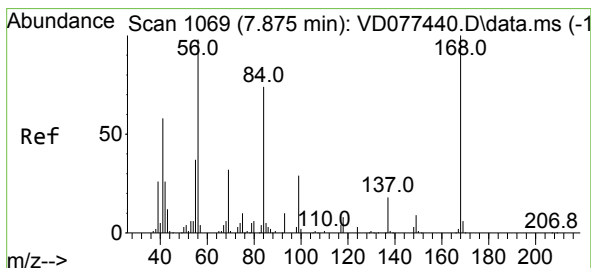
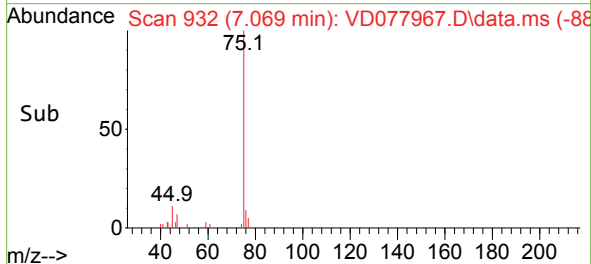
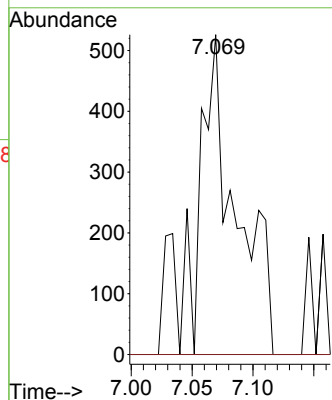


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Instrument :
MSVOA_D
ClientSampleId :

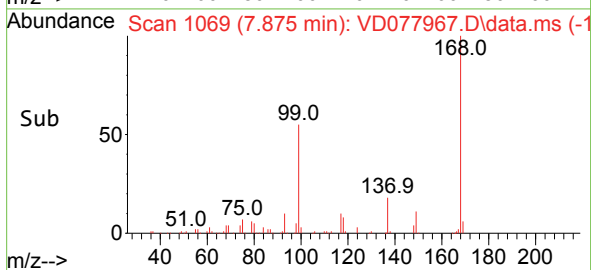
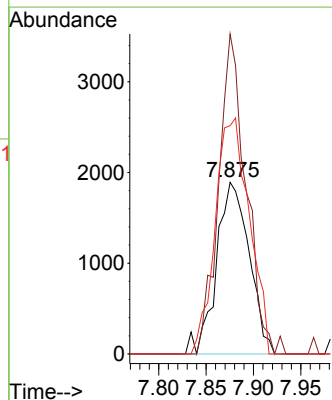
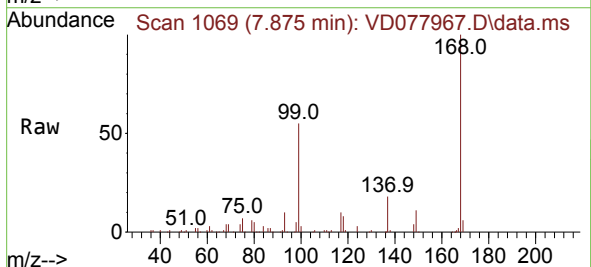


Tgt Ion: 43 Resp: 1079
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.086 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 56 Resp: 4554
Ion Ratio Lower Upper
56 100
69 186.4 28.6 43.0#
84 133.0 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.094 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

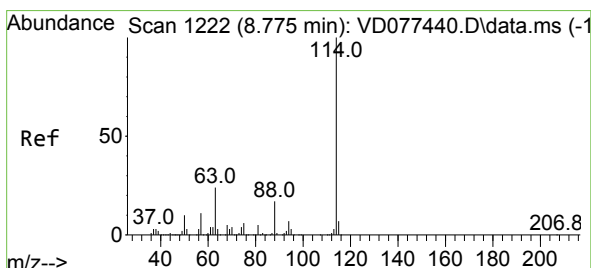
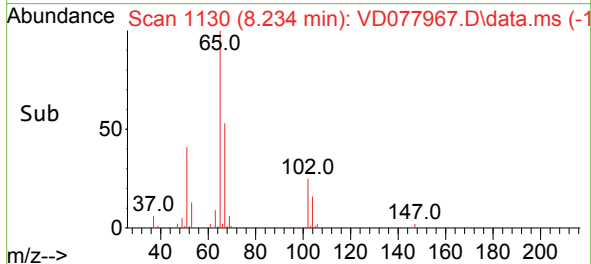
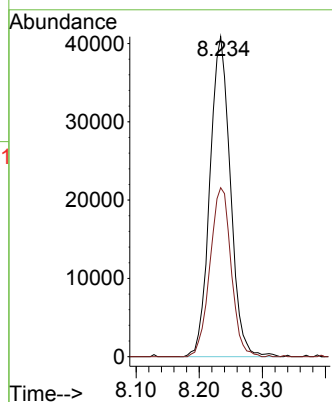
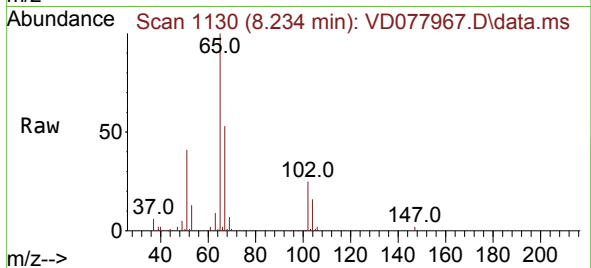
ClientSampleId :

Tgt Ion: 65 Resp: 92161

Ion Ratio Lower Upper

65 100

67 54.4 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: VD077967.D

Acq: 19 Dec 2023 11:58

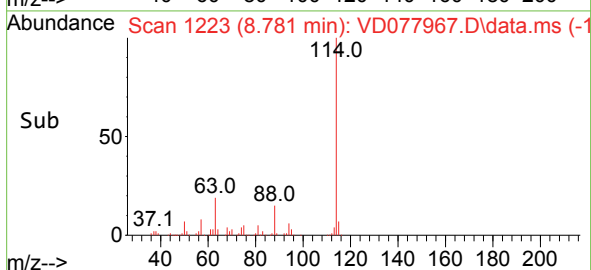
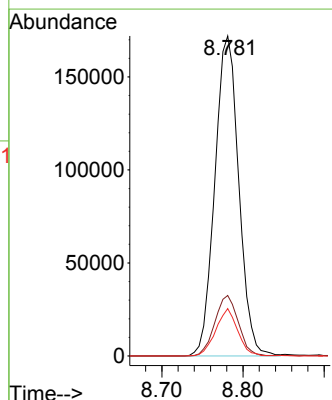
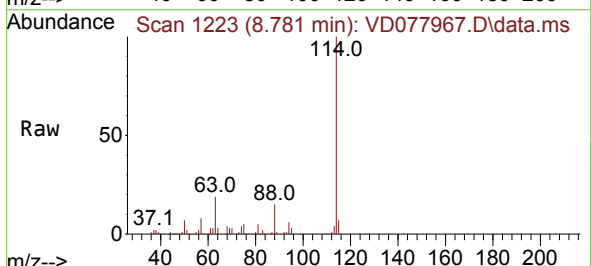
Tgt Ion: 114 Resp: 352635

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

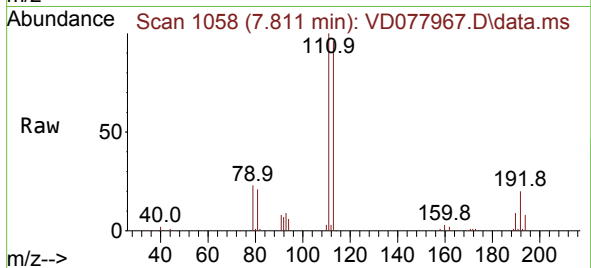
88 14.8 0.0 26.2



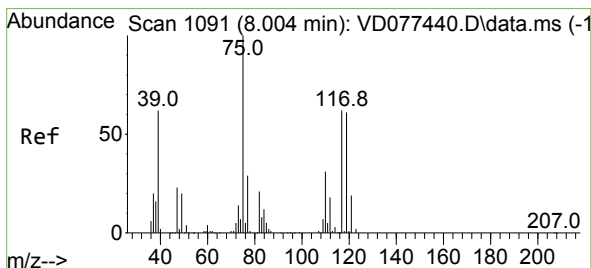
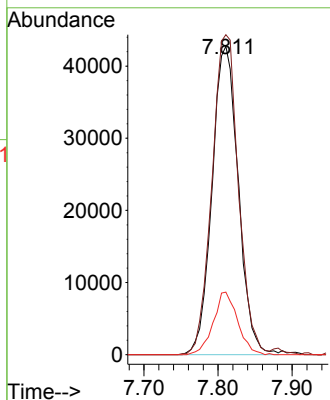
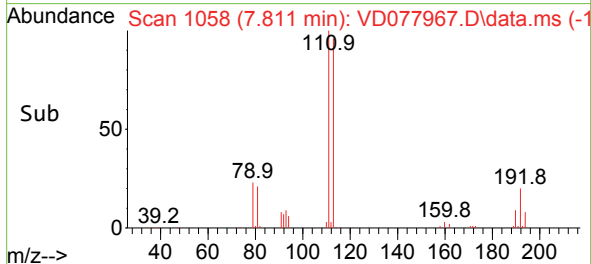


#35
Dibromofluoromethane
Concen: 42.552 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.007 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Instrument :
MSVOA_D
ClientSampleId :

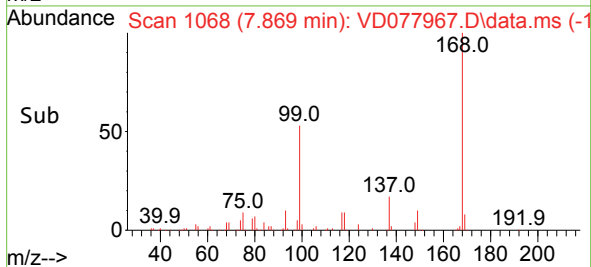
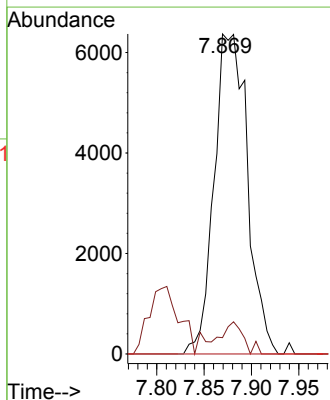
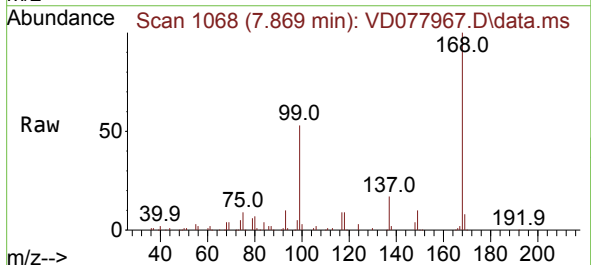


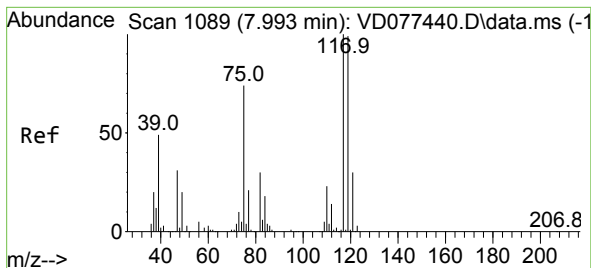
Tgt Ion:113 Resp: 105108
Ion Ratio Lower Upper
113 100
111 104.8 84.7 127.1
192 18.9 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.941 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 75 Resp: 15573
Ion Ratio Lower Upper
75 100
110 6.6 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.983 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

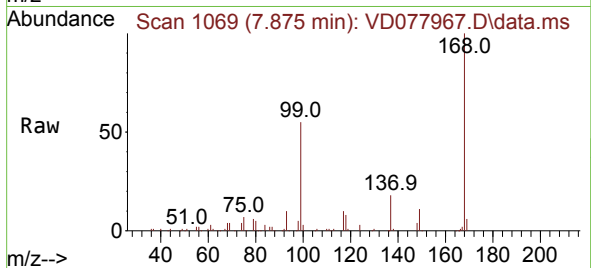
Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

ClientSampleId :



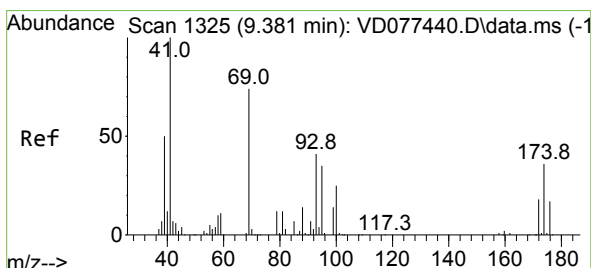
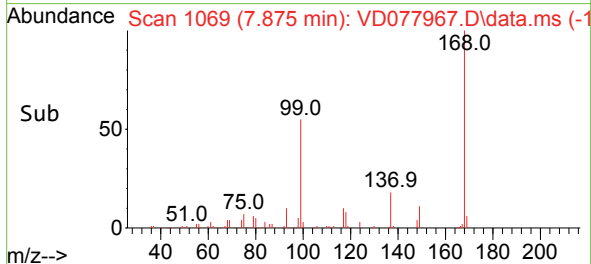
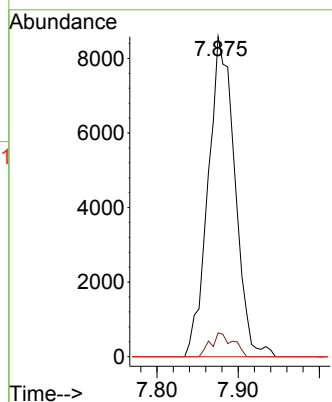
Tgt Ion:117 Resp: 19626

Ion Ratio Lower Upper

117 100

119 7.4 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 3.910 ug/l

RT: 9.375 min Scan# 1324

Delta R.T. -0.006 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

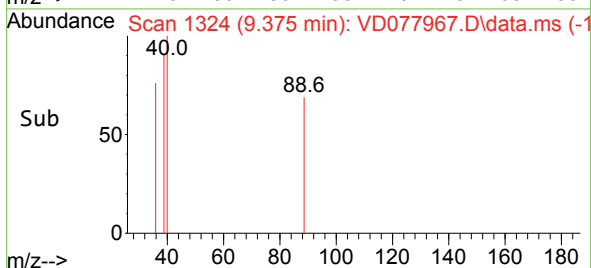
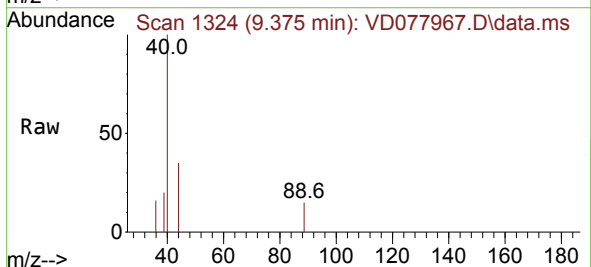
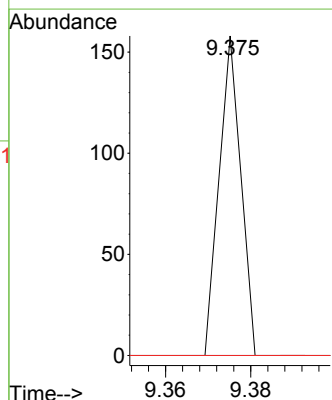
Tgt Ion: 88 Resp: 56

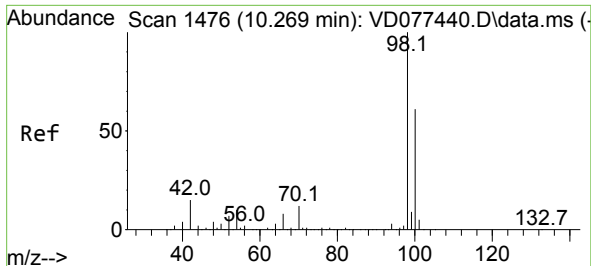
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

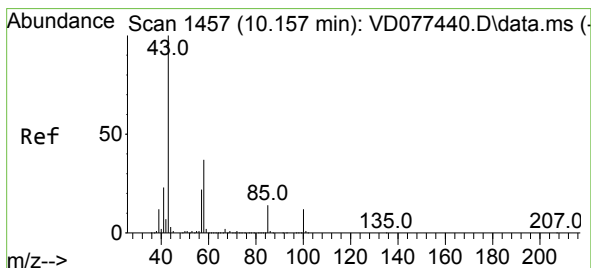
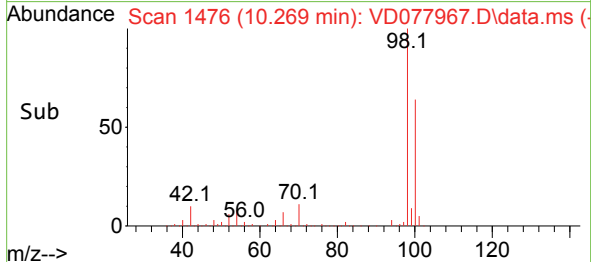
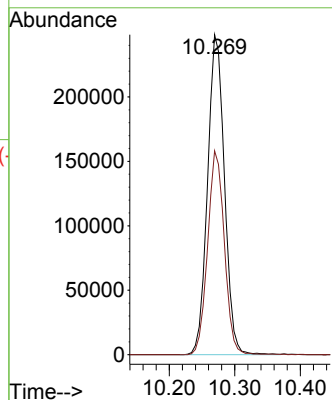
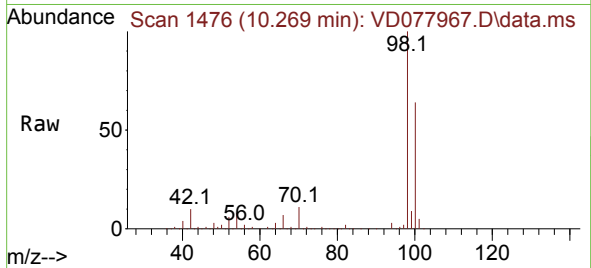




#50
Toluene-d8
Concen: 45.016 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

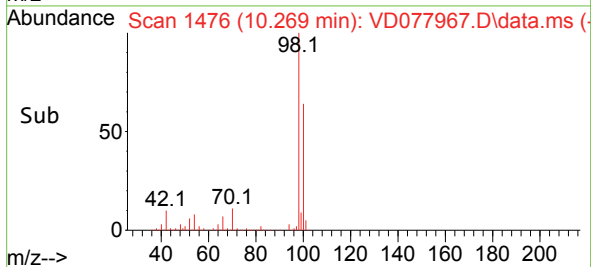
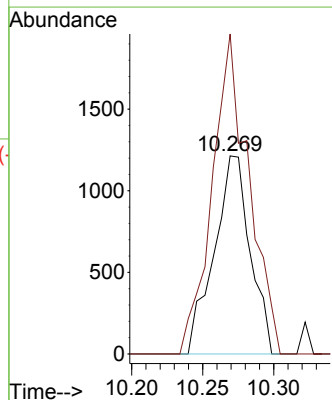
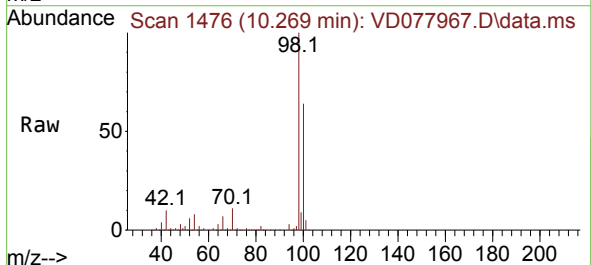
Instrument :
MSVOA_D
ClientSampleId :

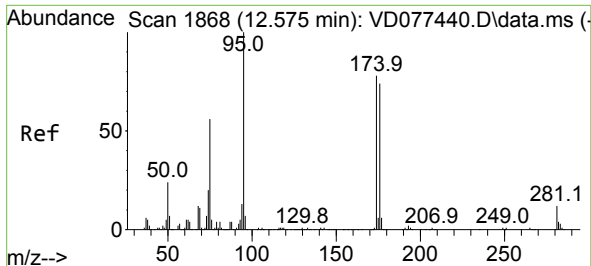
Tgt Ion: 98 Resp: 445346
Ion Ratio Lower Upper
98 100
100 63.0 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.530 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 43 Resp: 2138
Ion Ratio Lower Upper
43 100
58 164.2 38.9 58.3#

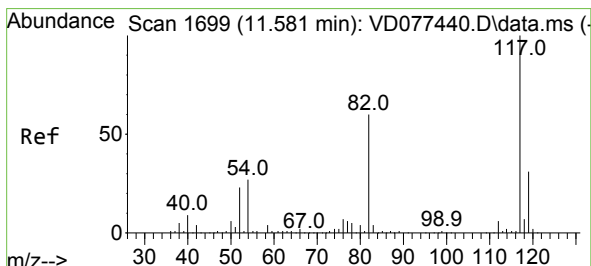
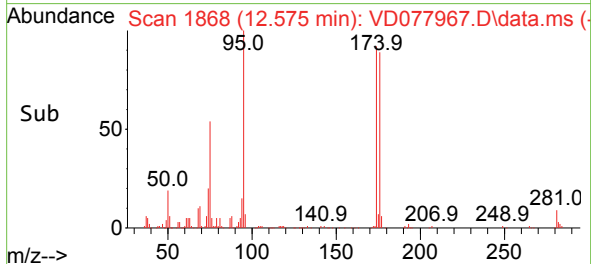
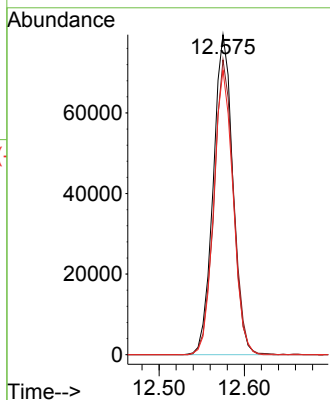
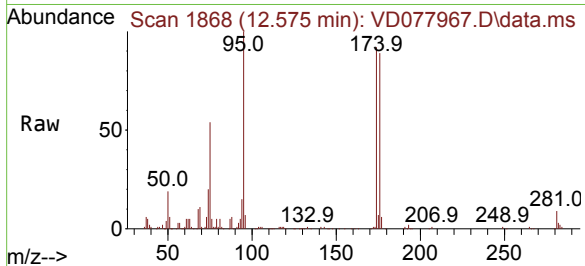




#62
4-Bromofluorobenzene
Concen: 42.963 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

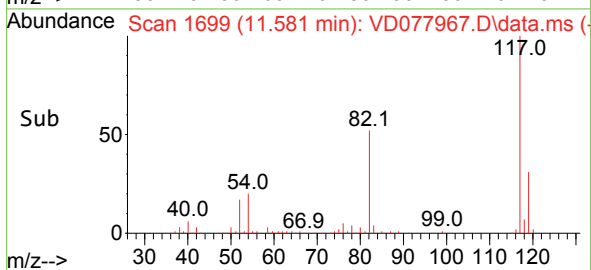
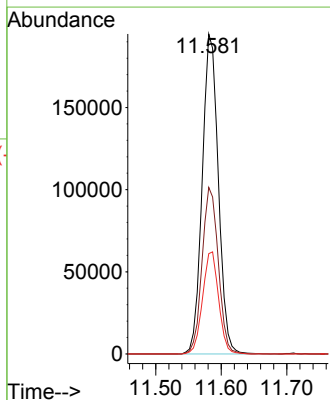
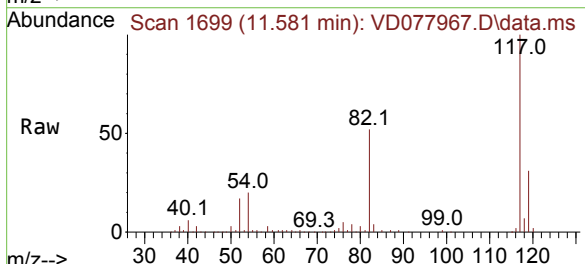
Instrument :
MSVOA_D
ClientSampleId :

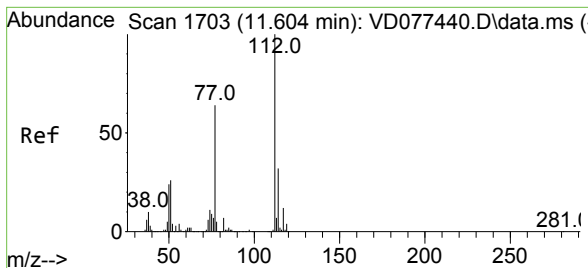
Tgt Ion: 95 Resp: 127075
Ion Ratio Lower Upper
95 100
174 91.5 0.0 201.8
176 87.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077967.D
Acq: 19 Dec 2023 11:58

Tgt Ion: 117 Resp: 333611
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.4 25.0 37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

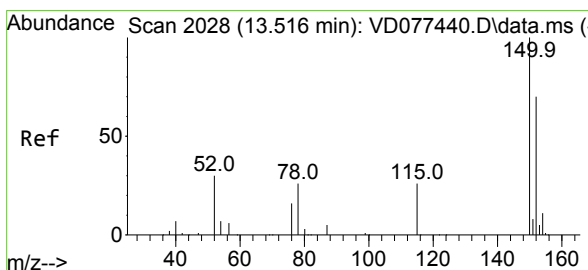
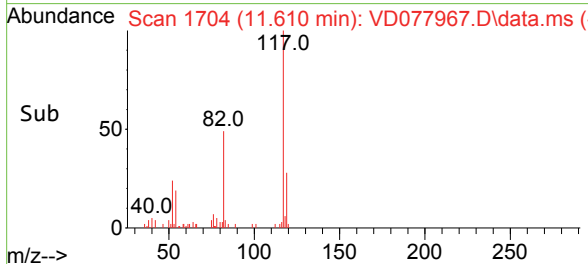
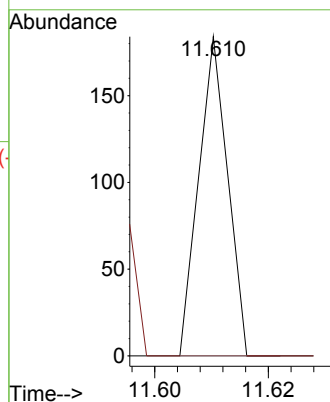
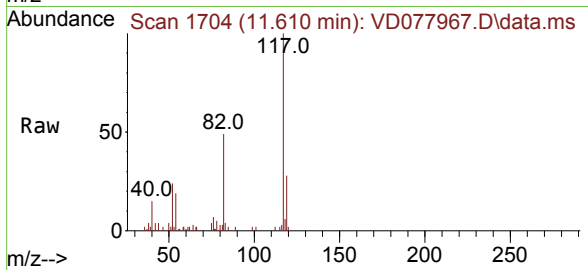
ClientSampleId :

Tgt Ion:112 Resp: 65

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

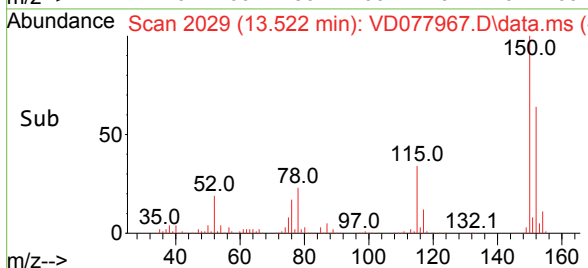
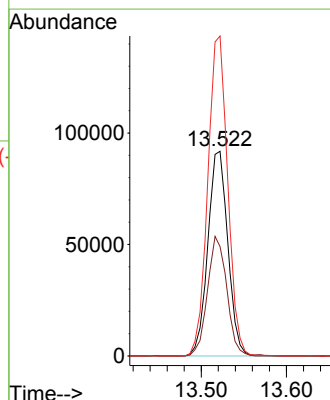
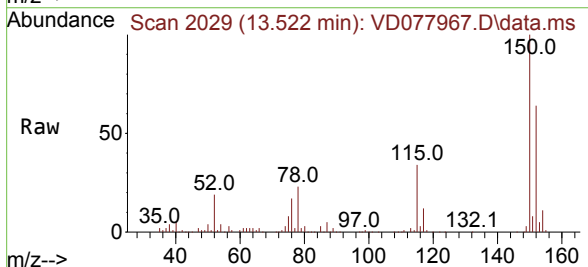
Tgt Ion:152 Resp: 149891

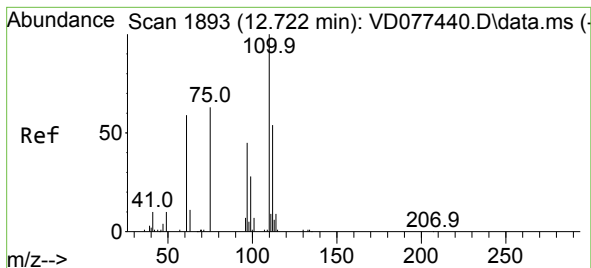
Ion Ratio Lower Upper

152 100

115 56.1 27.1 81.3

150 155.5 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 51.916 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

Instrument :

MSVOA_D

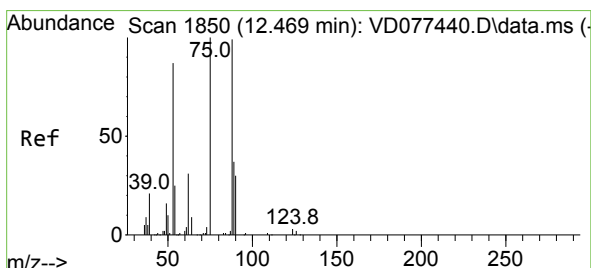
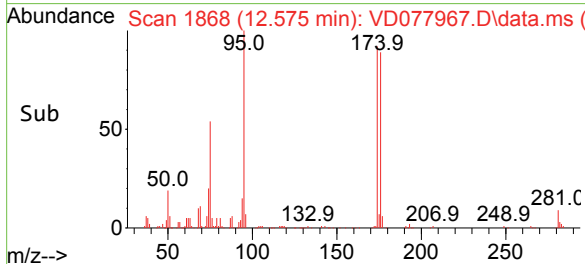
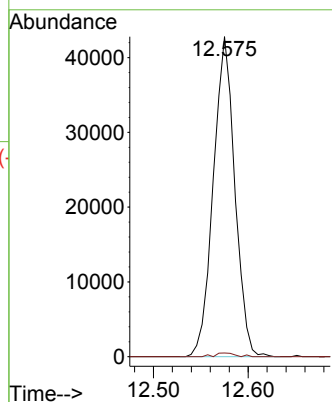
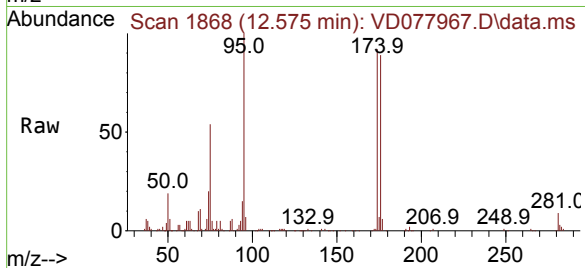
ClientSampleId :

Tgt Ion: 75 Resp: 67585

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 105.186 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077967.D

Acq: 19 Dec 2023 11:58

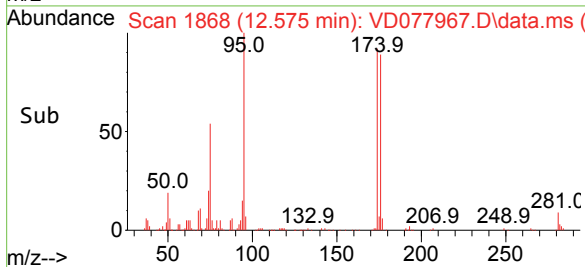
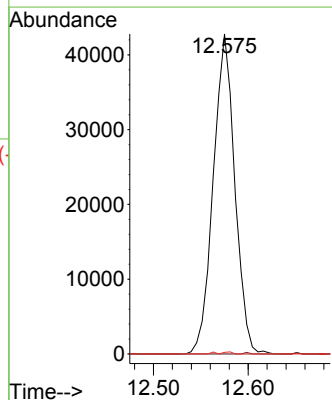
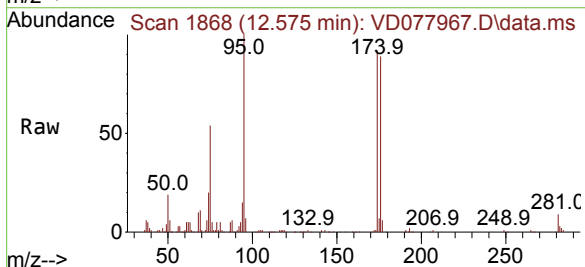
Tgt Ion: 75 Resp: 67585

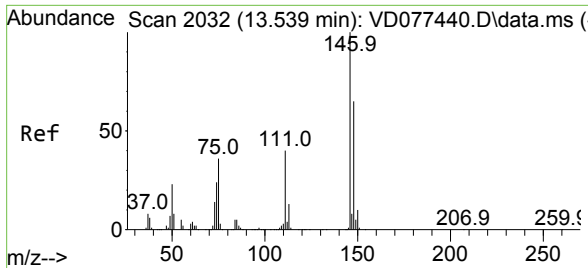
Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

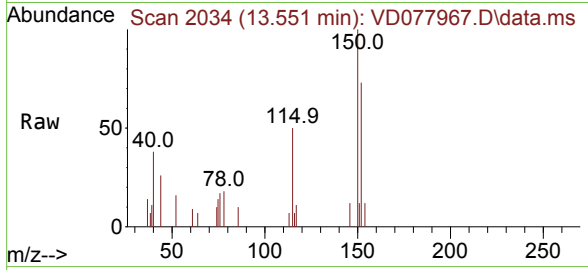
89 0.4 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.551 min Scan# 20
 Delta R.T. 0.012 min
 Lab File: VD077967.D
 Acq: 19 Dec 2023 11:58

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	161
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

