

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
 Data File : VD077920.D
 Acq On : 16 Dec 2023 00:56
 Operator : RP/MD
 Sample : 05758-01
 Misc : 3.69G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 16 05:11:56 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)

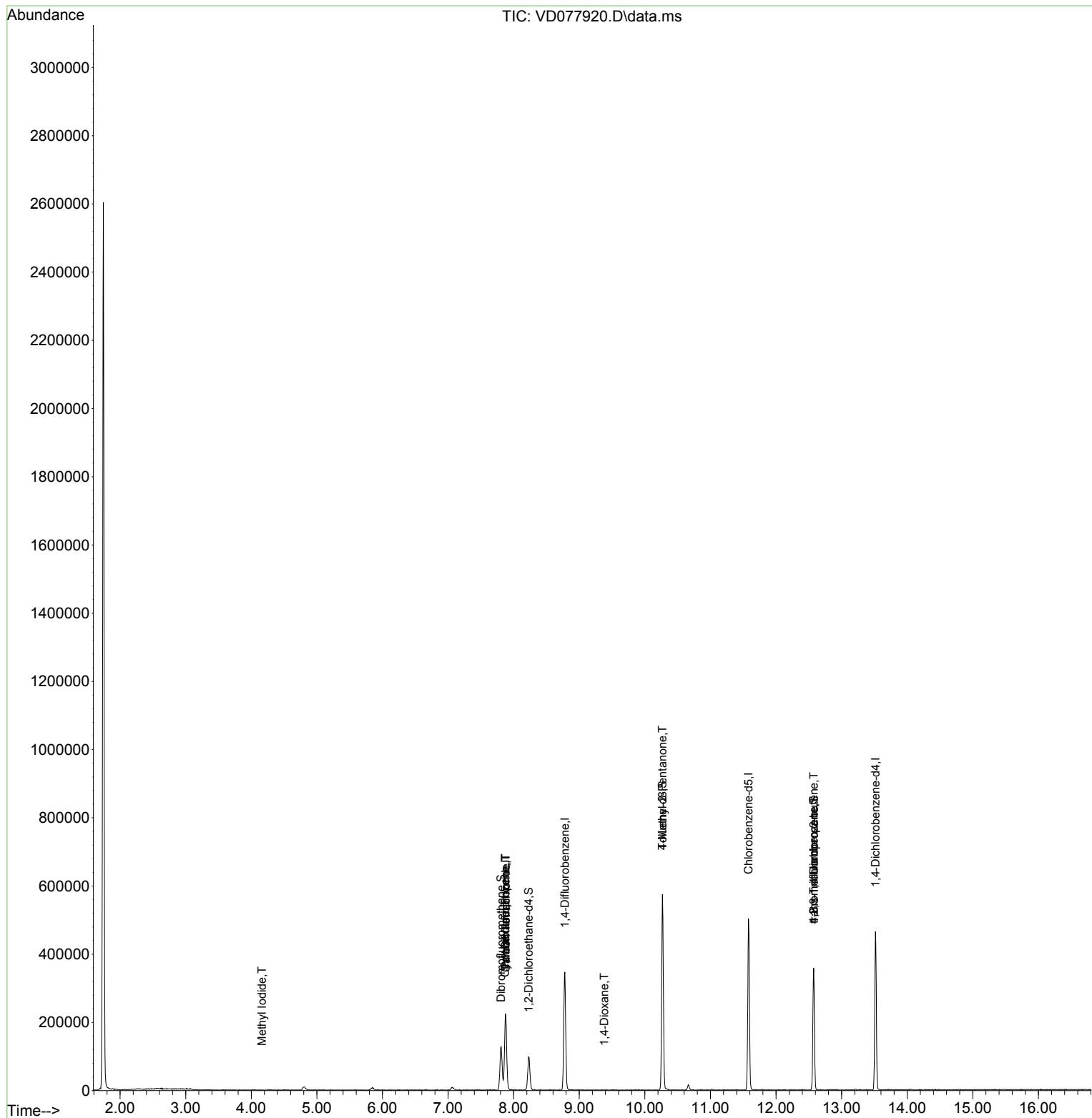
Internal Standards						
1) Pentafluorobenzene	7.875	168	170291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	310276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	124962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76620	38.183	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.360%
35) Dibromofluoromethane	7.810	113	90546	41.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.320%
50) Toluene-d8	10.269	98	395881	45.479	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.960%
62) 4-Bromofluorobenzene	12.575	95	106152	40.789	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.163	142	58	6.769	ug/l #	46
11) Tert butyl alcohol	5.004	59	58	Below Cal	#	73
16) Acetone	4.022	43	563	Below Cal	#	1
20) Methylene Chloride	4.804	84	6477	Below Cal	#	94
25) 2-Butanone	7.093	43	227	Below Cal	#	37
31) Cyclohexane	7.869	56	3939	1.104	ug/l #	69
36) 1,1-Dichloropropene	7.875	75	14734	4.238	ug/l #	47
38) Carbon Tetrachloride	7.881	117	16836	4.858	ug/l #	17
49) 1,4-Dioxane	9.381	88	67	5.317	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	1838	1.495	ug/l #	1
65) Chlorobenzene	11.604	112	83	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	58825	54.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58825	109.816	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	63	Below Cal	#	1

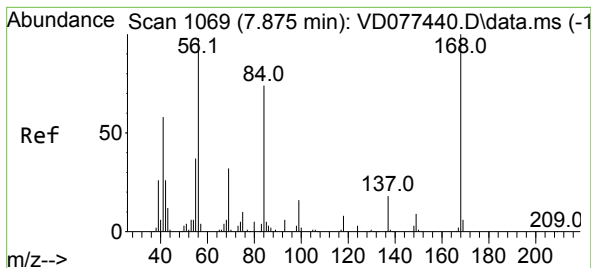
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121523\
Data File : VD077920.D
Acq On : 16 Dec 2023 00:56
Operator : RP/MD
Sample : 05758-01
Misc : 3.69G/5.0ml/MSVOA_D/SOIL
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 16 05:11:56 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: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

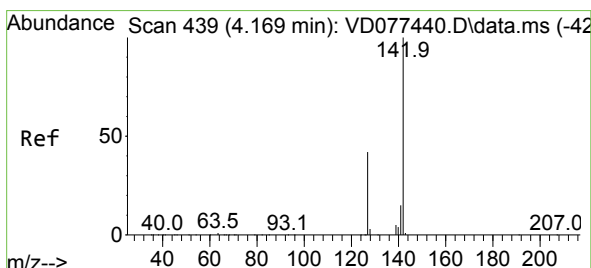
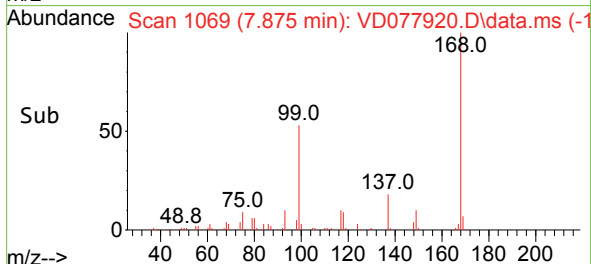
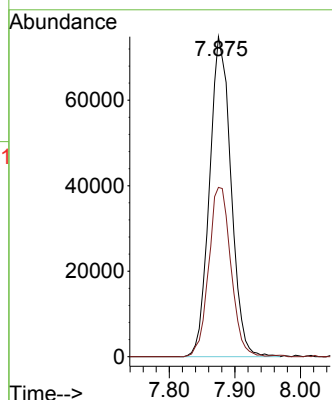
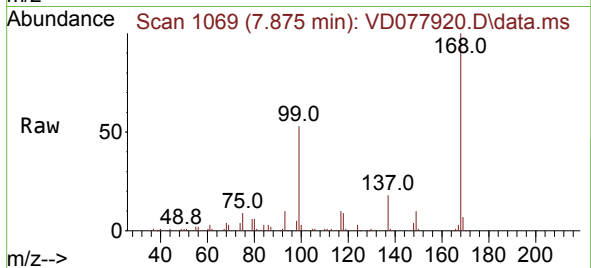
ClientSampleId :

Tgt Ion:168 Resp: 170291

Ion Ratio Lower Upper

168 100

99 52.9 36.7 55.1



#10

Methyl Iodide

Concen: 6.769 ug/l

RT: 4.163 min Scan# 438

Delta R.T. -0.006 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

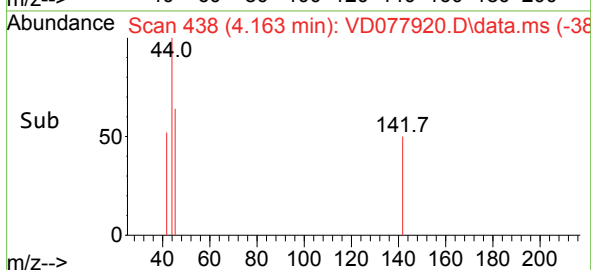
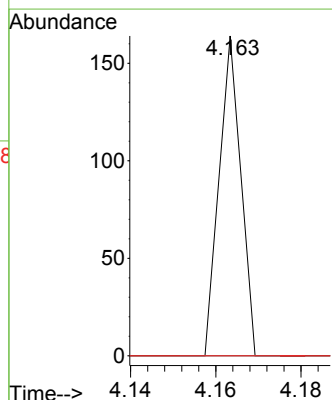
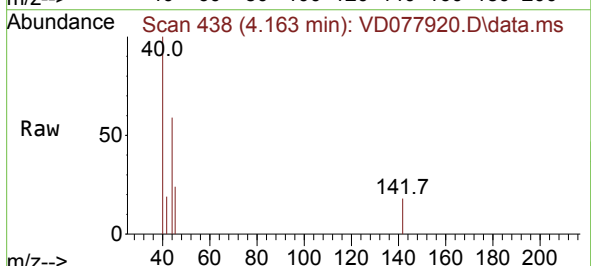
Tgt Ion:142 Resp: 58

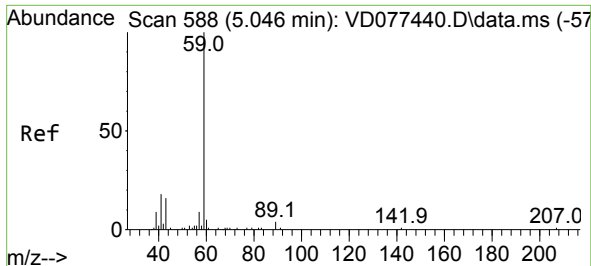
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.004 min Scan# 58

Delta R.T. -0.042 min MSVOA_D

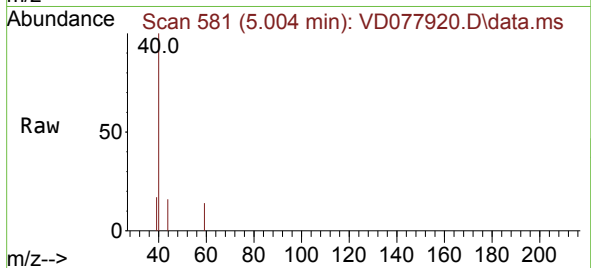
Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

ClientSampleId :

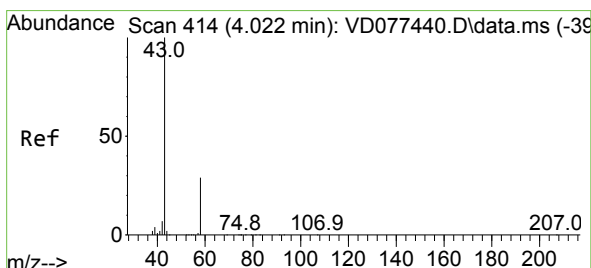
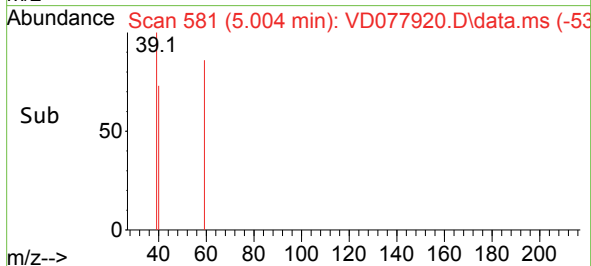
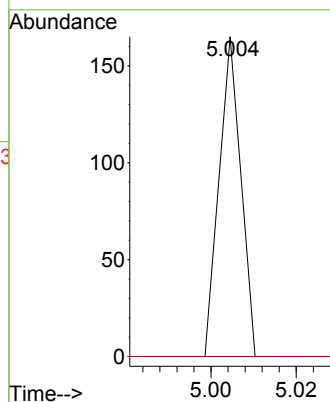


Tgt Ion: 59 Resp: 58

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077920.D

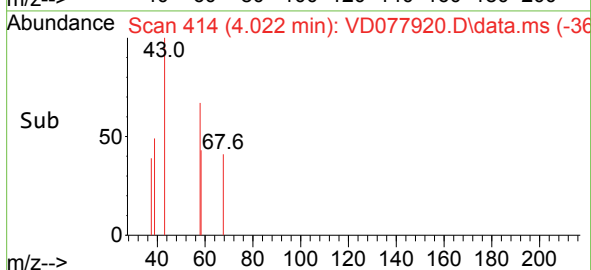
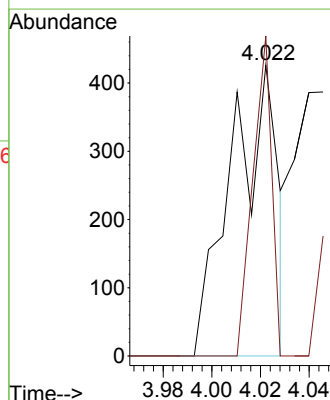
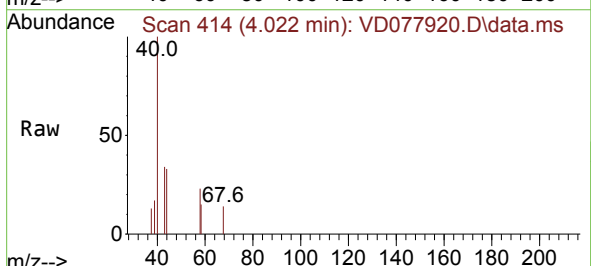
Acq: 16 Dec 2023 00:56

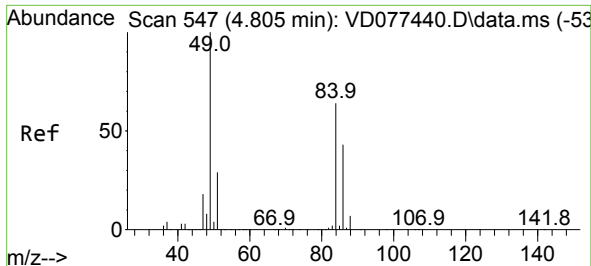
Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

58 110.1 34.7 52.1#

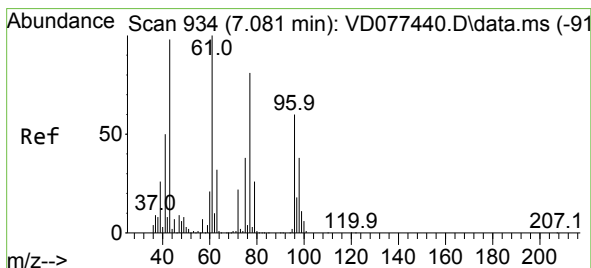
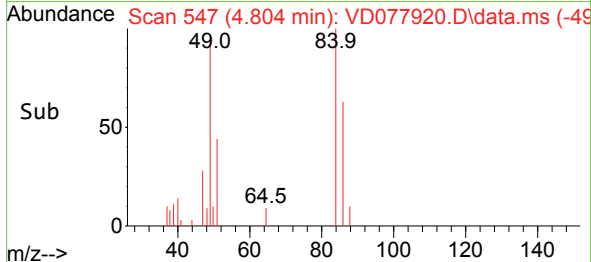
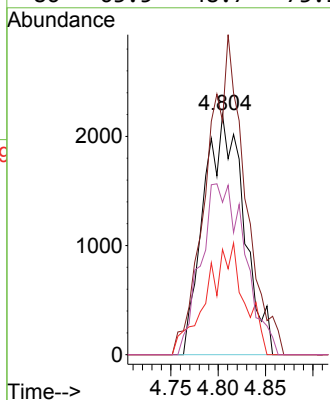
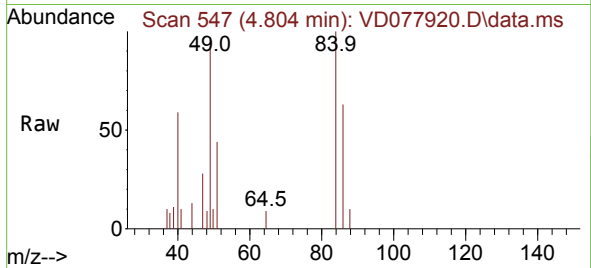




#20
Methylene Chloride
Concen: Below Cal
RT: 4.804 min Scan# 54
Delta R.T. -0.001 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

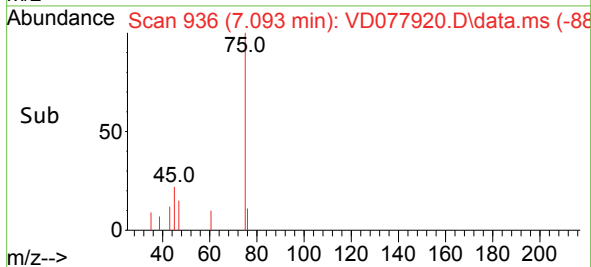
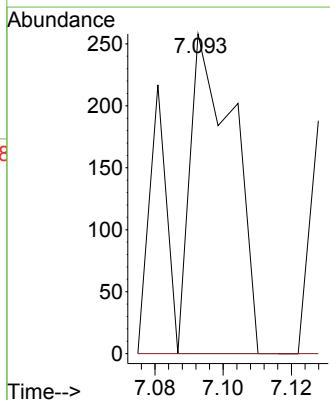
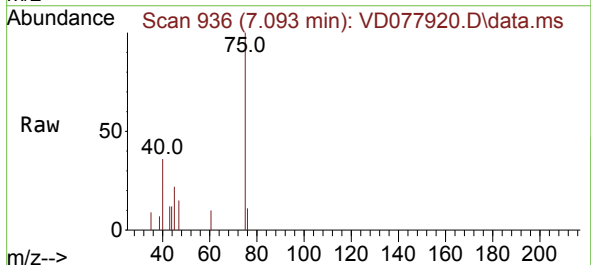
Instrument :
MSVOA_D
ClientSampleId :

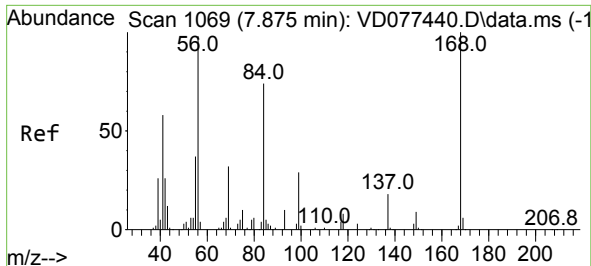
Tgt Ion:	84	Resp:	6477
Ion	Ratio	Lower	Upper
84	100		
49	87.9	71.4	107.2
51	43.8	24.5	36.7#
86	63.5	48.7	73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

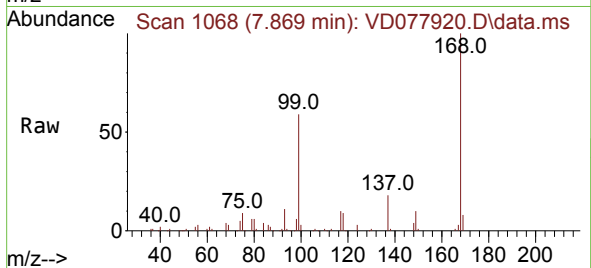
Tgt Ion:	43	Resp:	227
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#



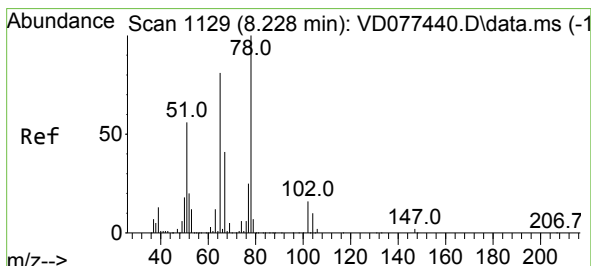
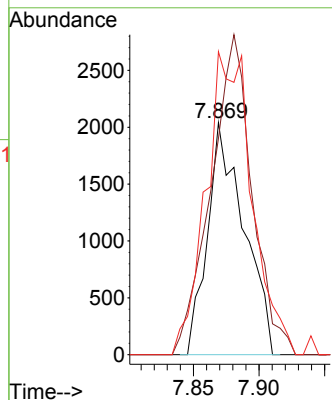
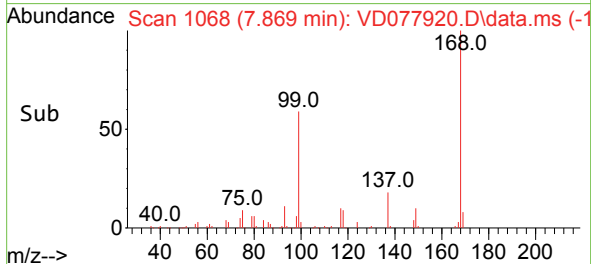


#31
Cyclohexane
Concen: 1.104 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Instrument :
MSVOA_D
ClientSampleId :

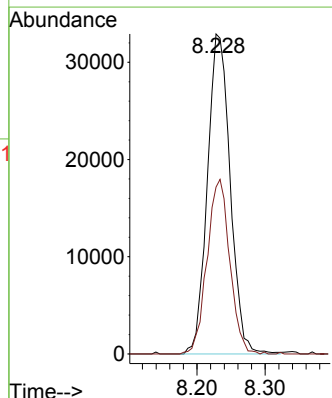
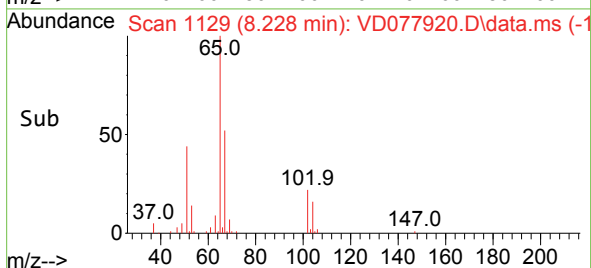
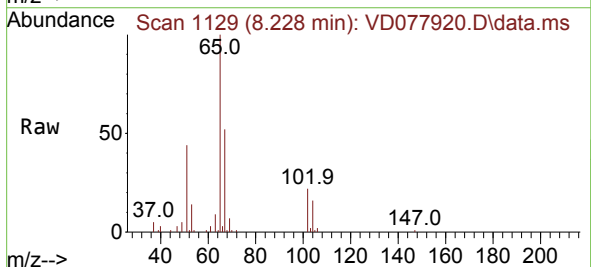


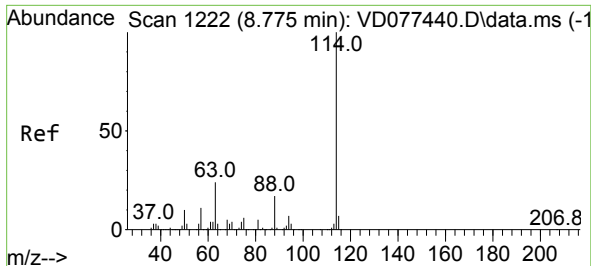
Tgt Ion: 56 Resp: 3939
Ion Ratio Lower Upper
56 100
69 85.6 28.6 43.0#
84 119.5 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 38.183 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion: 65 Resp: 76620
Ion Ratio Lower Upper
65 100
67 54.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

ClientSampleId :

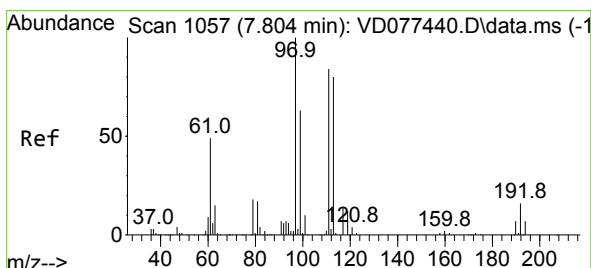
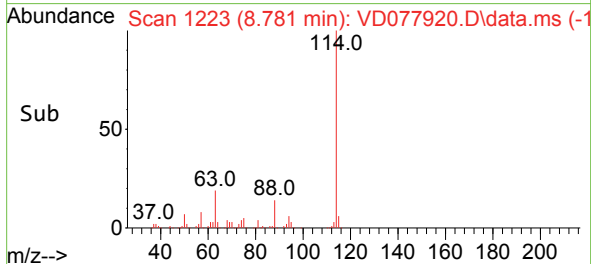
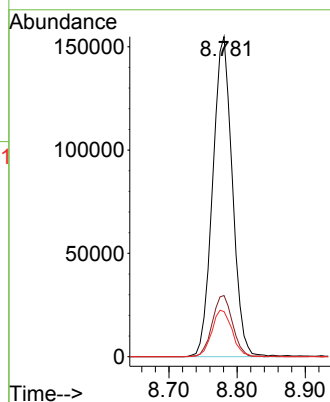
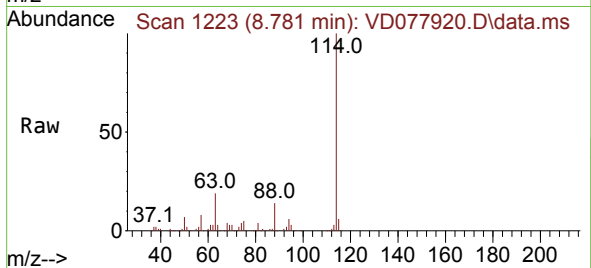
Tgt Ion:114 Resp: 310276

Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.661 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

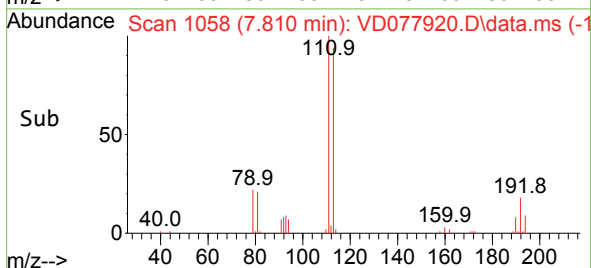
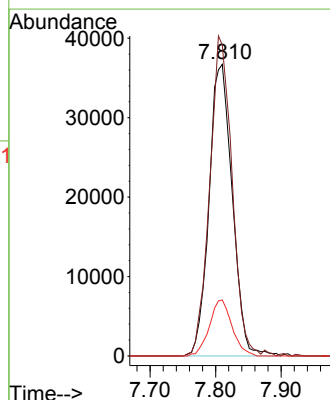
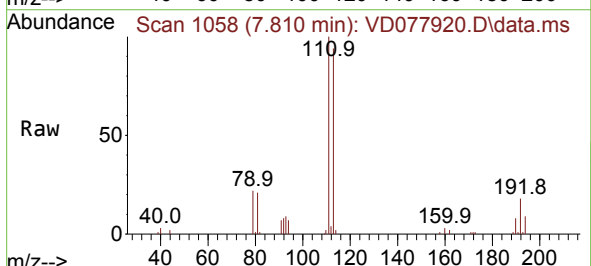
Tgt Ion:113 Resp: 90546

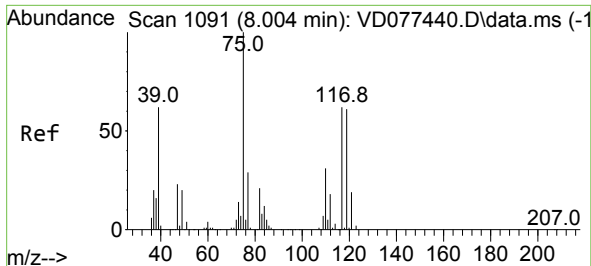
Ion Ratio Lower Upper

113 100

111 105.1 84.7 127.1

192 18.7 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.238 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

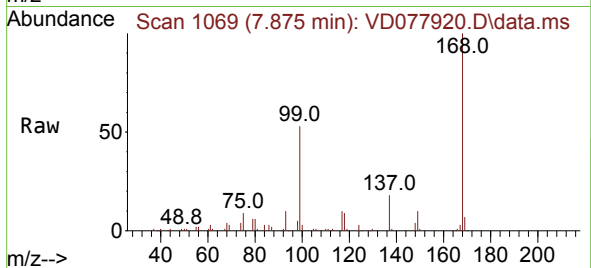
Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

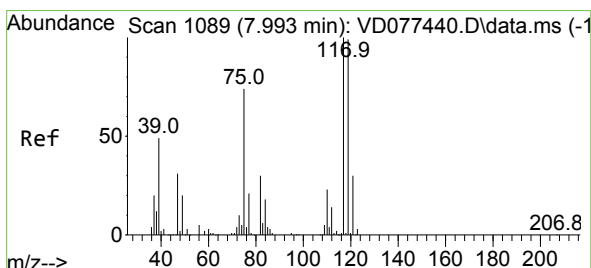
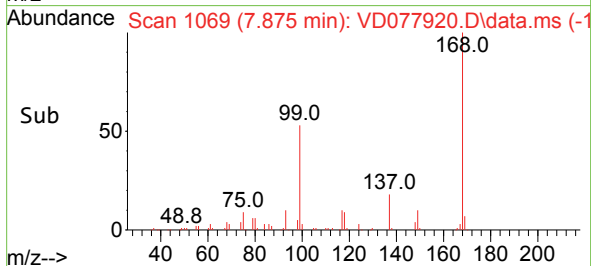
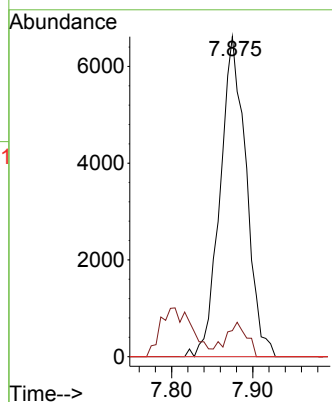
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	14734
Ion Ratio	Lower	Upper	
75	100		
110	8.6	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.858 ug/l

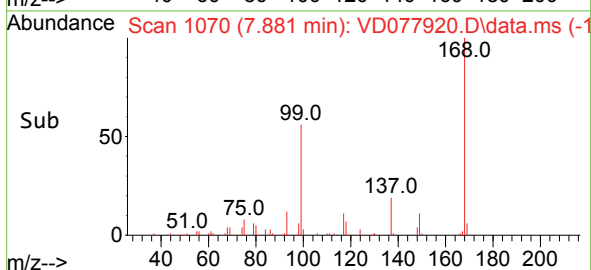
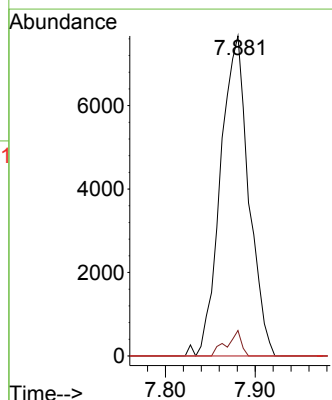
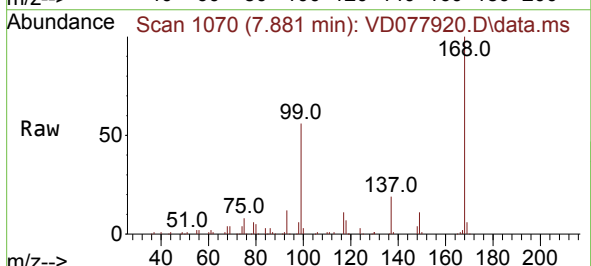
RT: 7.881 min Scan# 1070

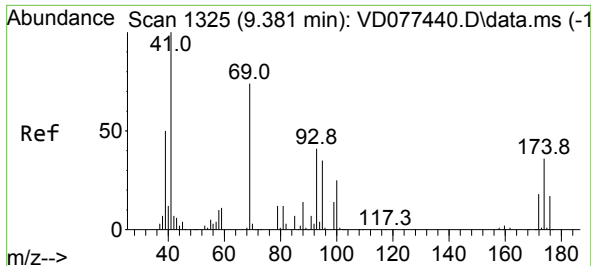
Delta R.T. -0.112 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Tgt Ion:	117	Resp:	16836
Ion Ratio	Lower	Upper	
117	100		
119	7.9	78.0	117.0#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 5.317 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.000 min

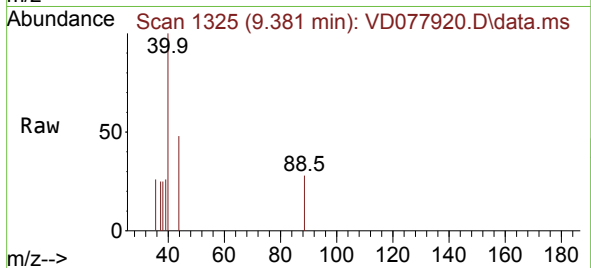
Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

ClientSampleId :



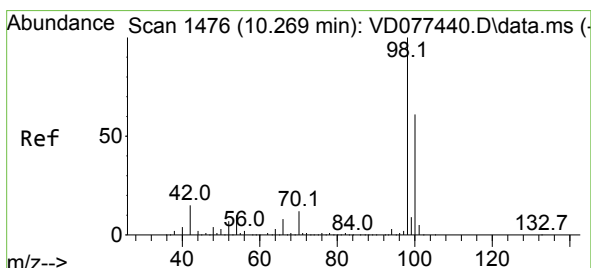
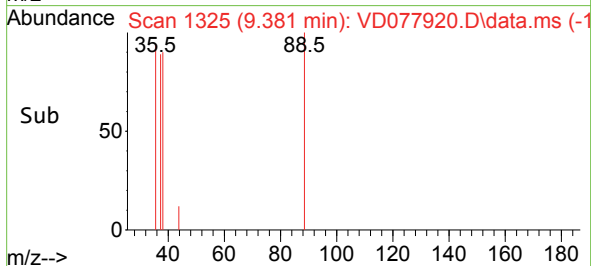
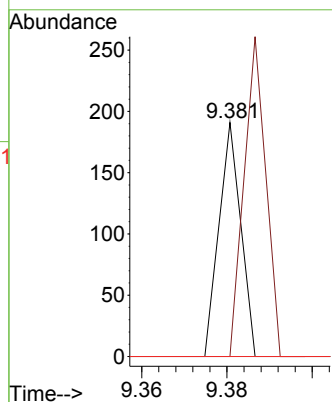
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 137.3 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.479 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077920.D

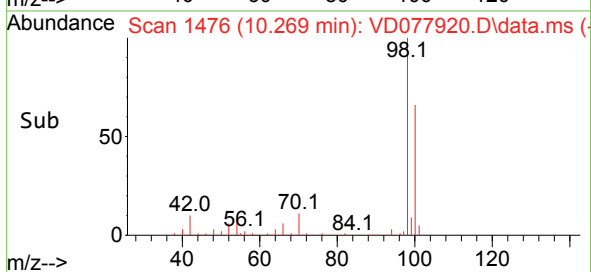
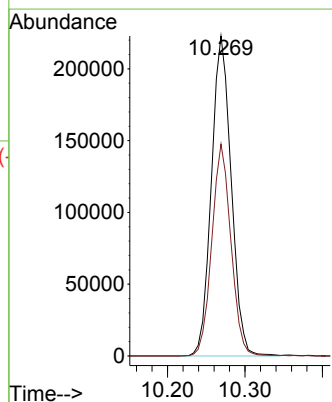
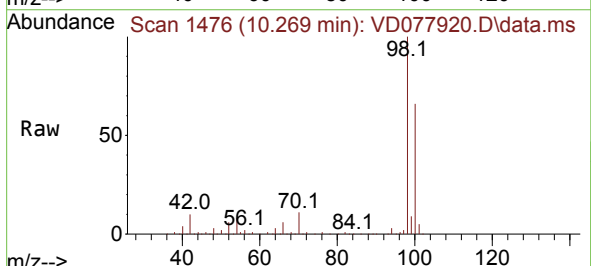
Acq: 16 Dec 2023 00:56

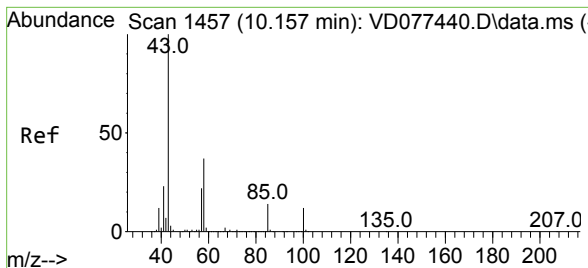
Tgt Ion: 98 Resp: 395881

Ion Ratio Lower Upper

98 100

100 64.0 50.3 75.5

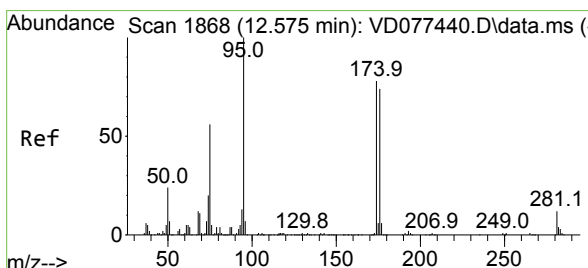
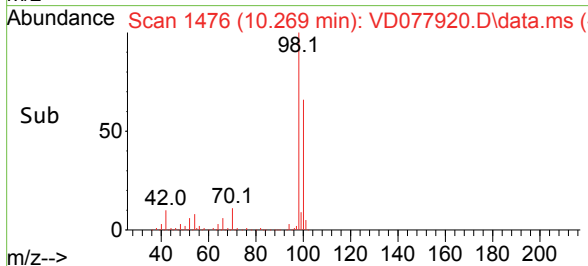
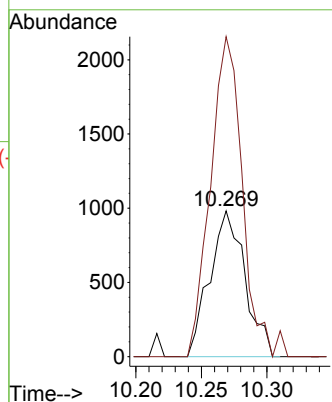
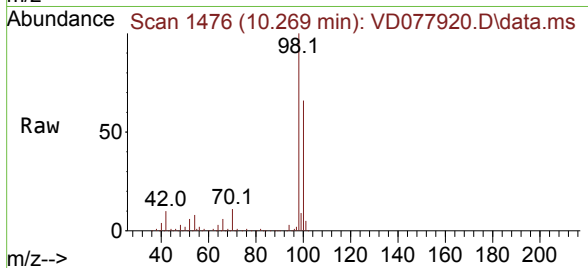




#51
4-Methyl-2-Pentanone
Concen: 1.495 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

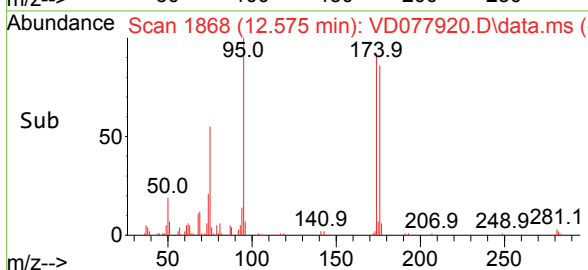
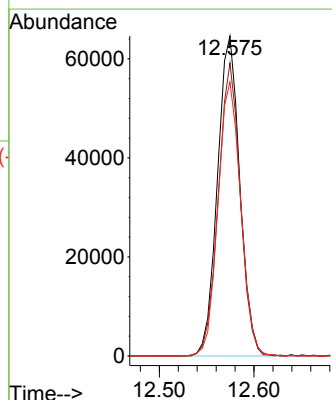
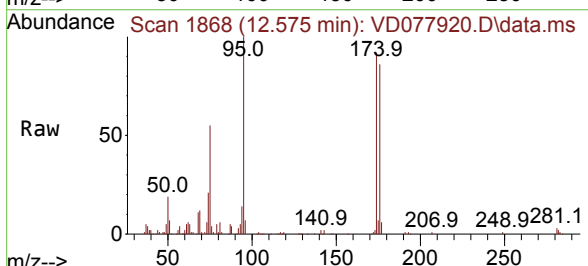
Instrument :
MSVOA_D
ClientSampleId :

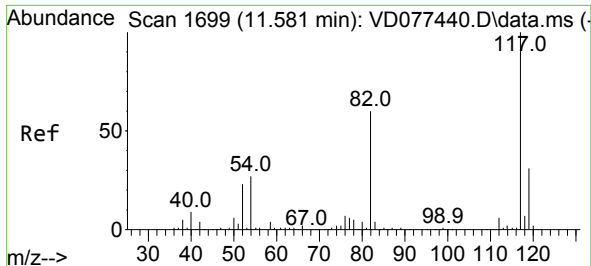
Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 199.3 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 40.789 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

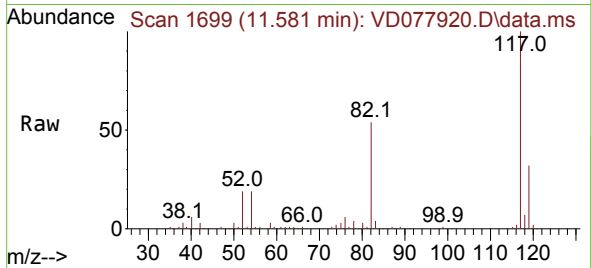
Tgt Ion: 95 Resp: 106152
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 86.8 0.0 191.8



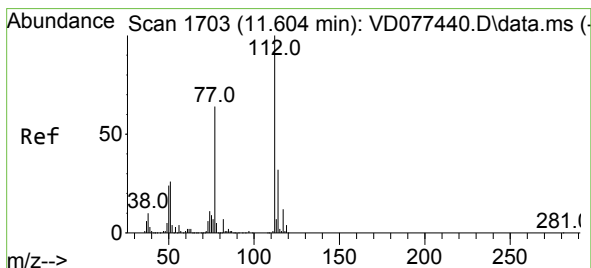
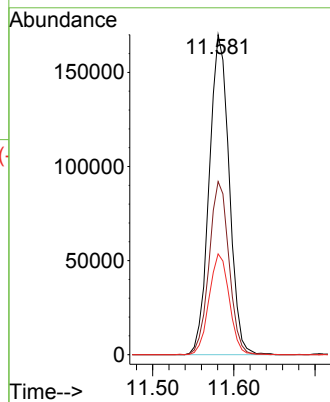
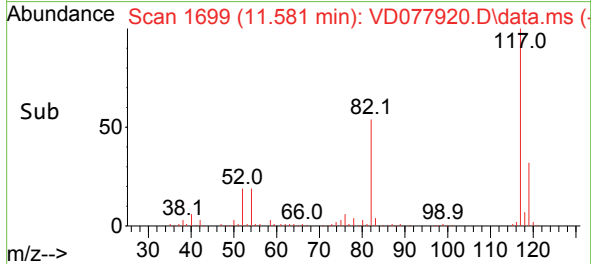


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Instrument :
MSVOA_D
ClientSampleId :

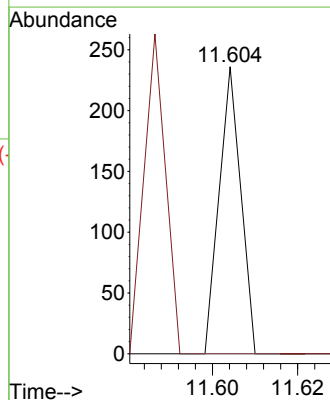
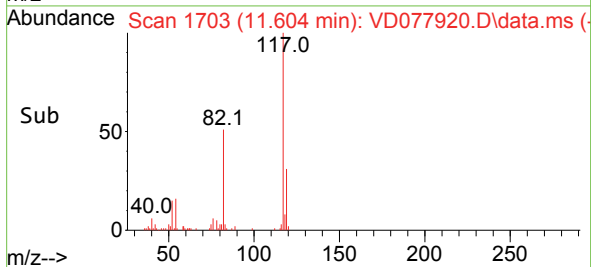
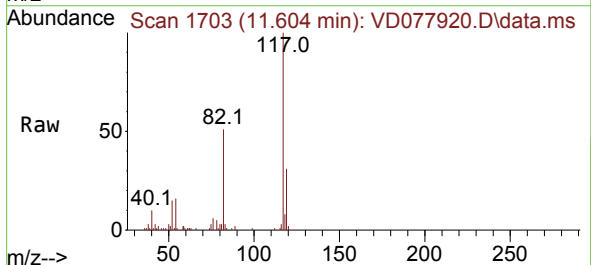


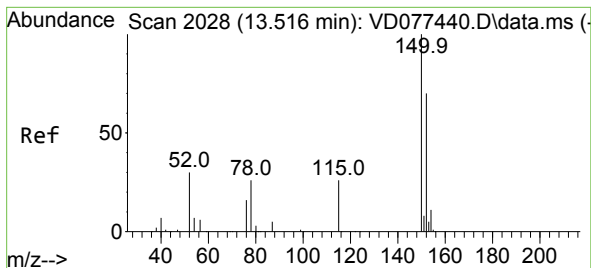
Tgt Ion:117 Resp: 289933
Ion Ratio Lower Upper
117 100
82 54.1 38.3 57.5
119 31.5 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion:112 Resp: 83
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# 20

Delta R.T. -0.000 min

Lab File: VD077920.D

Acq: 16 Dec 2023 00:56

Instrument :

MSVOA_D

ClientSampleId :

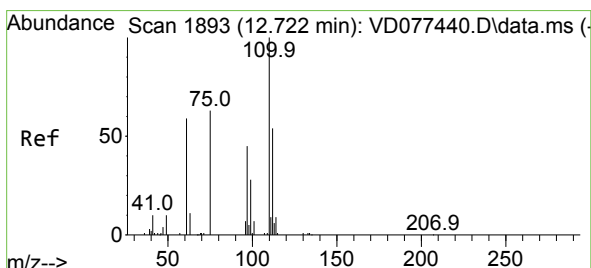
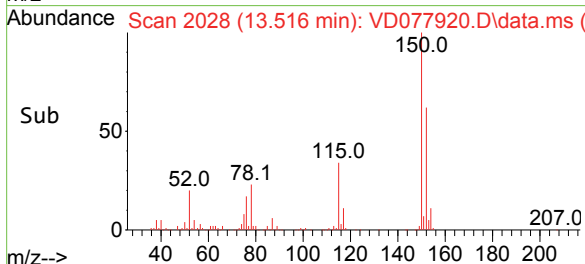
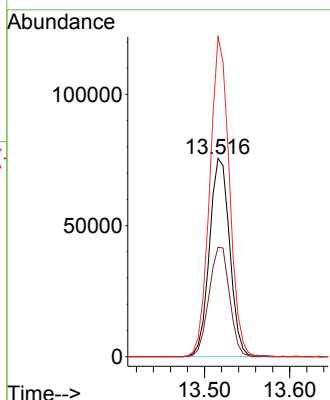
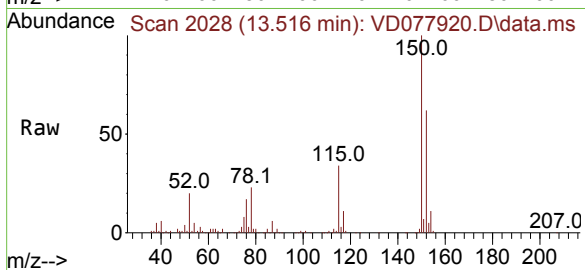
Tgt Ion:152 Resp: 124962

Ion Ratio Lower Upper

152 100

115 56.0 27.1 81.3

150 156.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.202 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077920.D

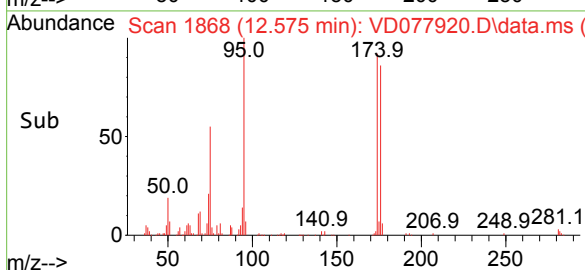
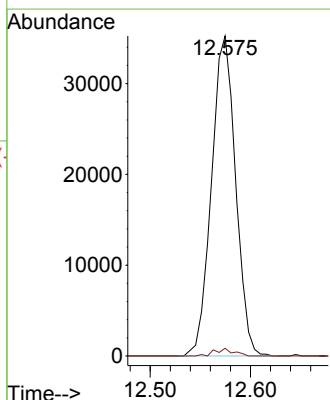
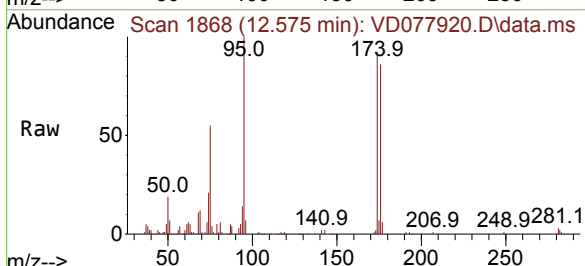
Acq: 16 Dec 2023 00:56

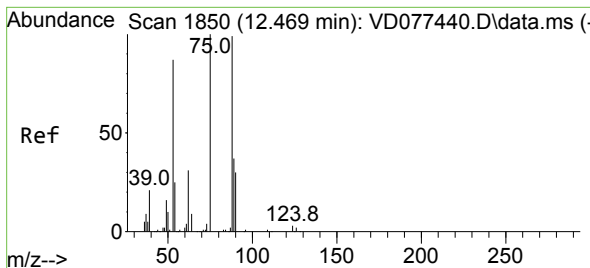
Tgt Ion: 75 Resp: 58825

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

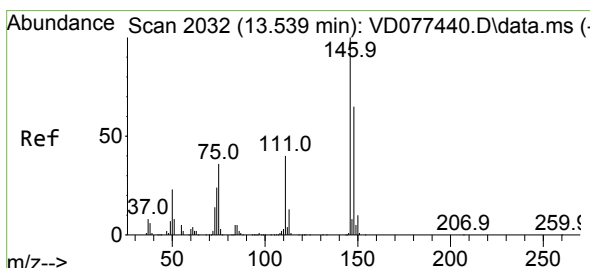
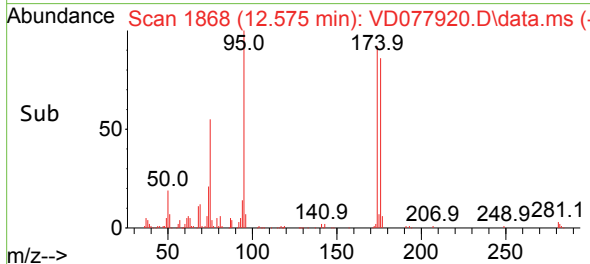
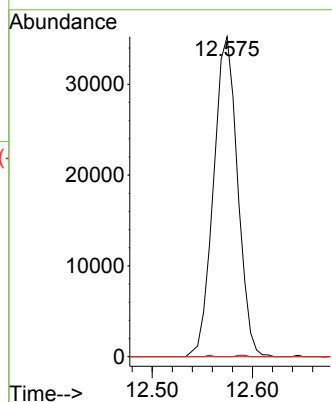
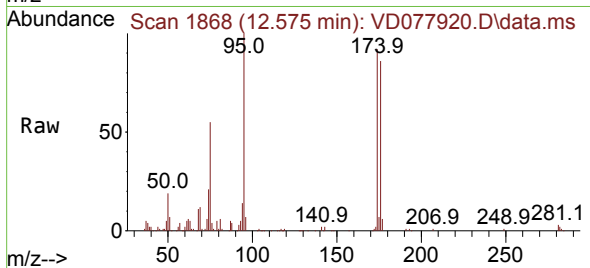




#81
trans-1,4-Dichloro-2-butene
Concen: 109.816 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58825
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: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077920.D
Acq: 16 Dec 2023 00:56

Tgt Ion: 146 Resp: 63
Ion Ratio Lower Upper
146 100
111 3111.1 17.4 52.3#
148 1544.4 31.7 95.1#

