

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110123\
 Data File : VD077482.D
 Acq On : 01 Nov 2023 15:55
 Operator : JC/SY
 Sample : 05172-01
 Misc : 2.13G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 02 00:56:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

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

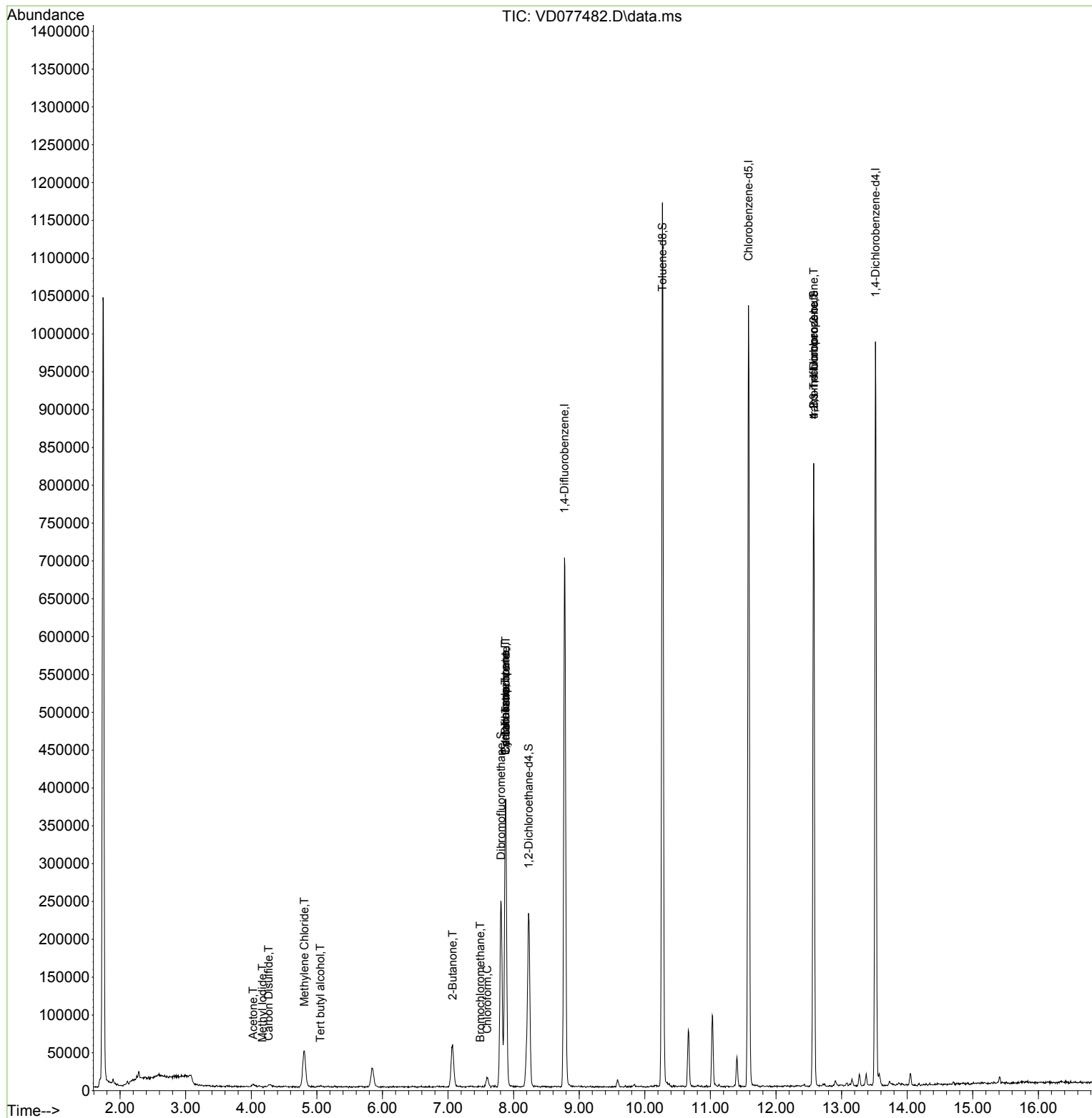
Internal Standards						
1) Pentafluorobenzene	7.875	168	281273	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	575545	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	540381	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	239507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	174177	43.792	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.580%		
35) Dibromofluoromethane	7.810	113	179018	45.003	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.000%		
50) Toluene-d8	10.269	98	754252	48.815	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	97.620%		
62) 4-Bromofluorobenzene	12.575	95	246107	47.291	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	94.580%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.169	142	54	3.162	ug/l #	46
11) Tert butyl alcohol	5.052	59	1761	5.589	ug/l #	83
16) Acetone	4.028	43	5549	5.272	ug/l #	80
17) Carbon Disulfide	4.264	76	3095	4.087	ug/l #	80
20) Methylene Chloride	4.811	84	32841	6.182	ug/l #	64
25) 2-Butanone	7.069	43	3787	2.698	ug/l #	37
28) Bromochloromethane	7.493	49	53	2.121	ug/l #	1
30) Chloroform	7.599	83	11633	1.666	ug/l	83
31) Cyclohexane	7.875	56	7754	1.247	ug/l #	41
36) 1,1-Dichloropropene	7.875	75	27215	4.614	ug/l #	47
38) Carbon Tetrachloride	7.881	117	29281	5.268	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	139663	47.911	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	139663	92.547	ug/l #	17

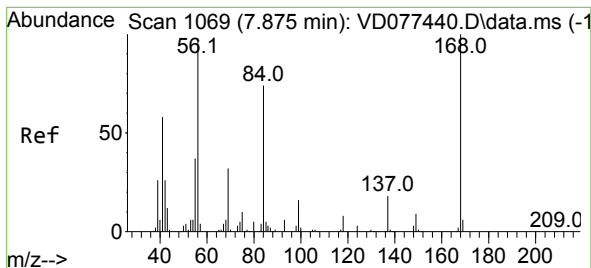
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
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QLast Update : Tue Oct 31 04:19:17 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: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

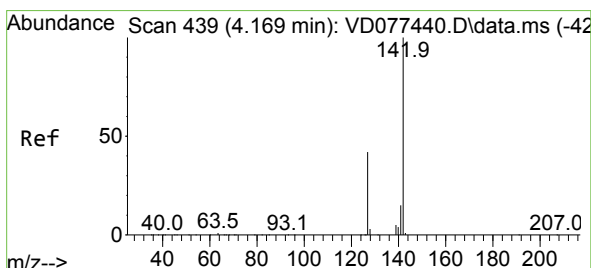
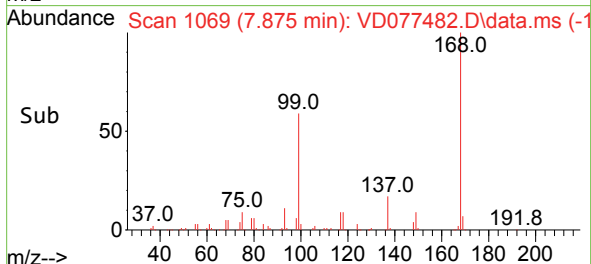
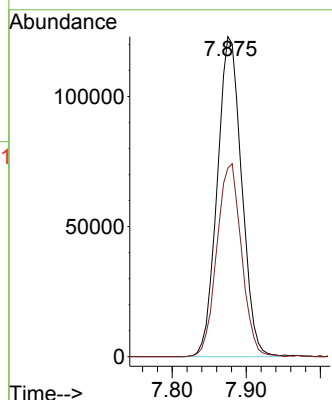
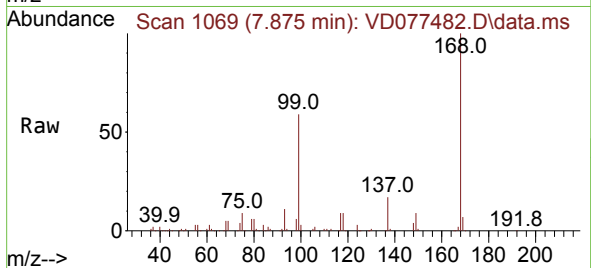
ClientSampleId :

Tgt Ion:168 Resp: 281273

Ion Ratio Lower Upper

168 100

99 58.9 36.7 55.1#



#10

Methyl Iodide

Concen: 3.162 ug/l

RT: 4.169 min Scan# 439

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

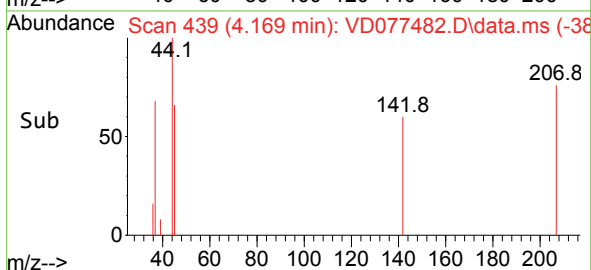
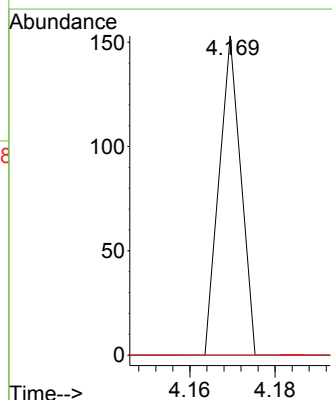
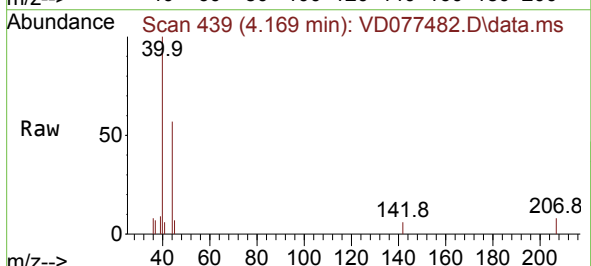
Tgt Ion:142 Resp: 54

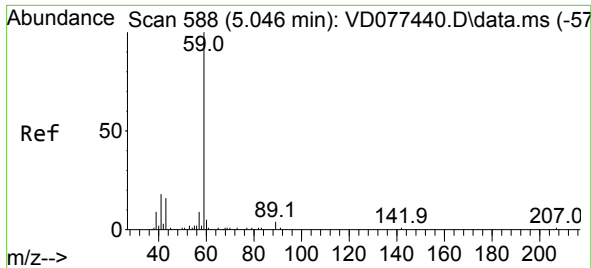
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 5.589 ug/l

RT: 5.052 min Scan# 51

Delta R.T. 0.006 min

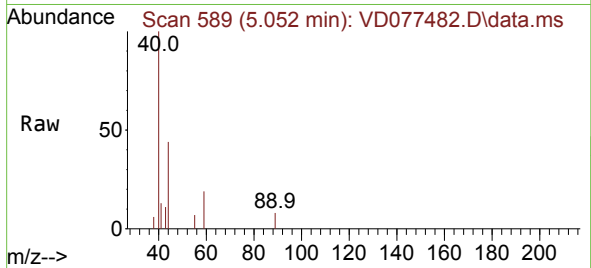
Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

ClientSampleId :

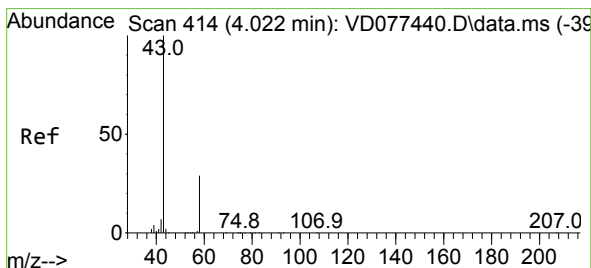
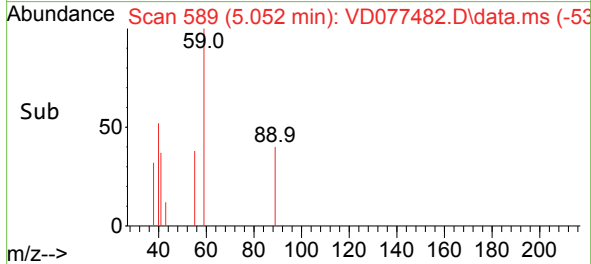
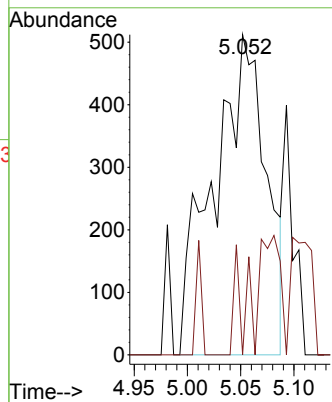


Tgt Ion: 59 Resp: 1761

Ion Ratio Lower Upper

59 100

57 3.5 7.8 11.8#



#16

Acetone

Concen: 5.272 ug/l

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077482.D

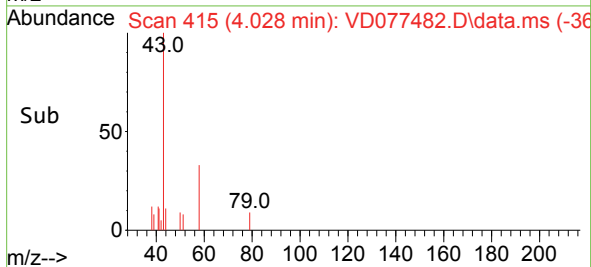
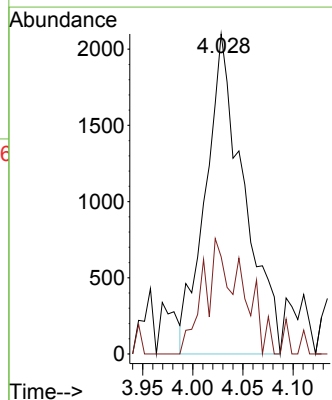
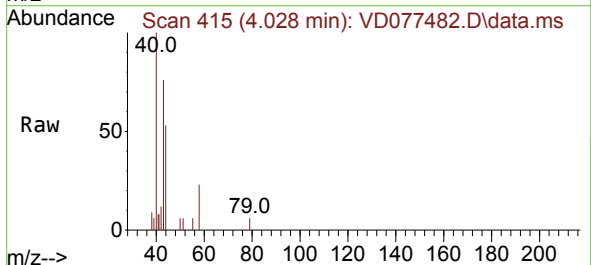
Acq: 01 Nov 2023 15:55

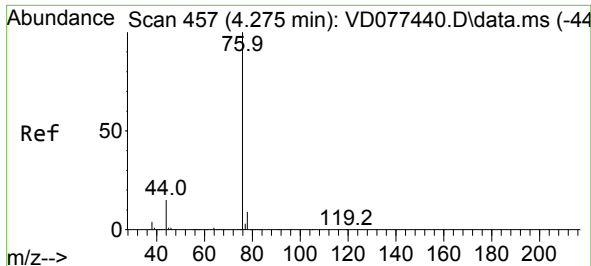
Tgt Ion: 43 Resp: 5549

Ion Ratio Lower Upper

43 100

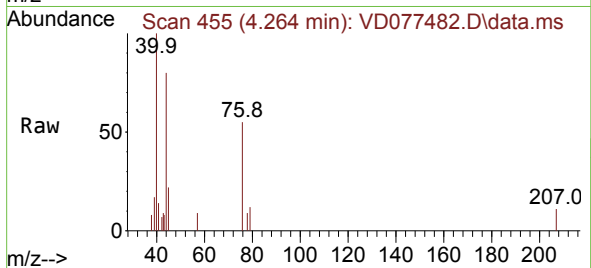
58 30.3 34.7 52.1#



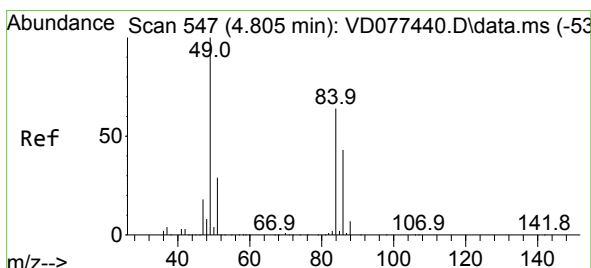
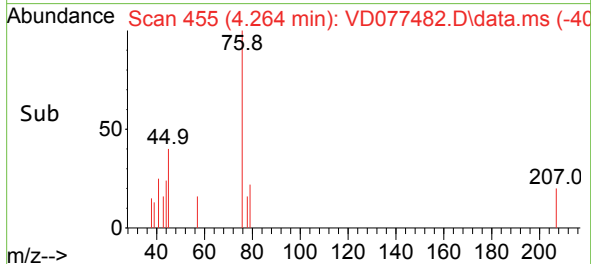
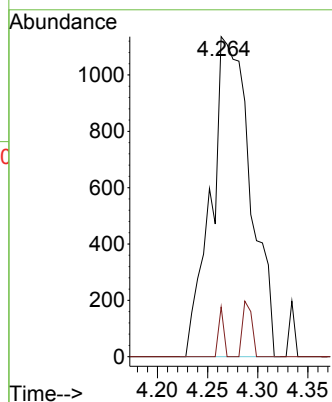


#17
Carbon Disulfide
Concen: 4.087 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

Instrument :
MSVOA_D
ClientSampleId :

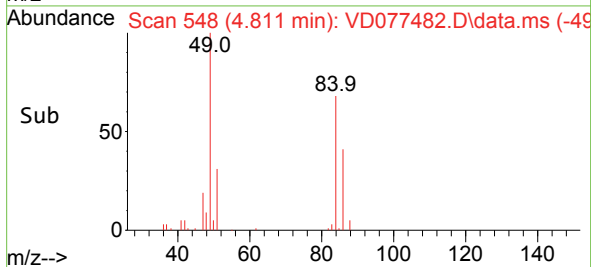
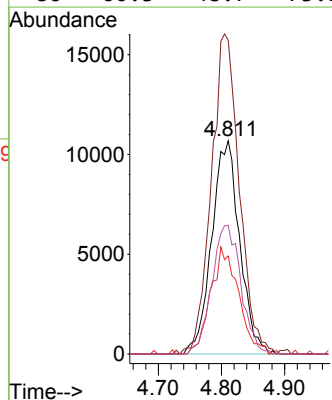
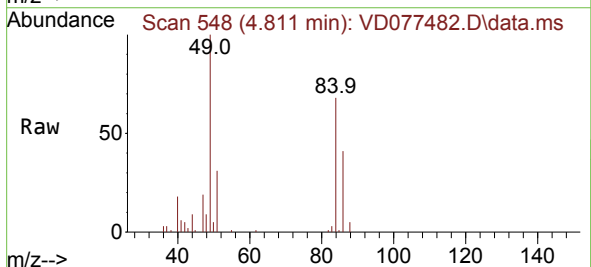


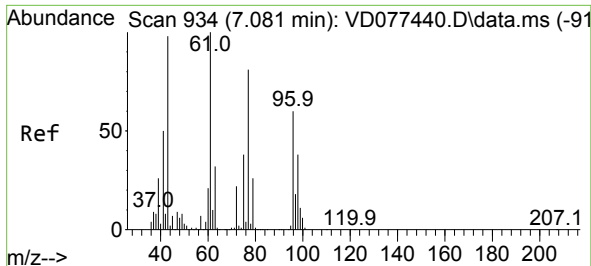
Tgt Ion: 76 Resp: 3095
Ion Ratio Lower Upper
76 100
78 15.6 6.8 10.2#



#20
Methylene Chloride
Concen: 6.182 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 84 Resp: 32841
Ion Ratio Lower Upper
84 100
49 147.3 71.4 107.2#
51 45.9 24.5 36.7#
86 60.3 48.7 73.1





#25

2-Butanone

Concen: 2.698 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

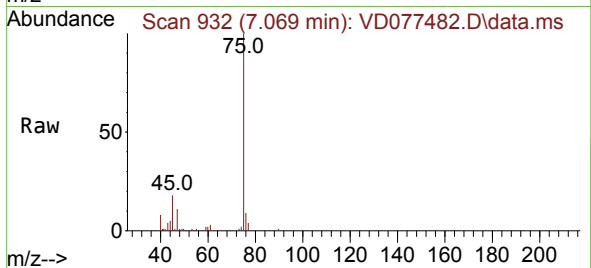
Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

ClientSampleId :

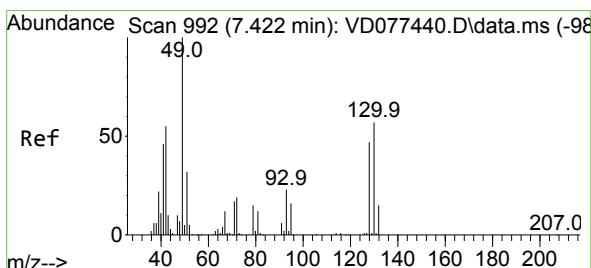
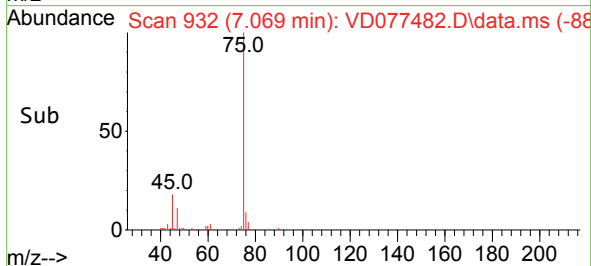
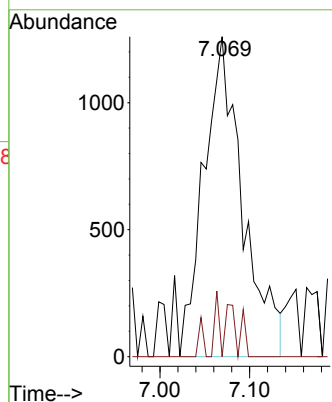


Tgt Ion: 43 Resp: 3787

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#28

Bromochloromethane

Concen: 2.121 ug/l

RT: 7.493 min Scan# 1004

Delta R.T. 0.071 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

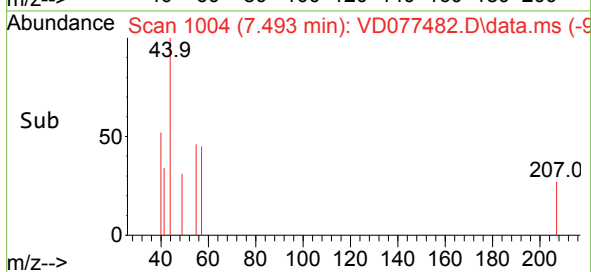
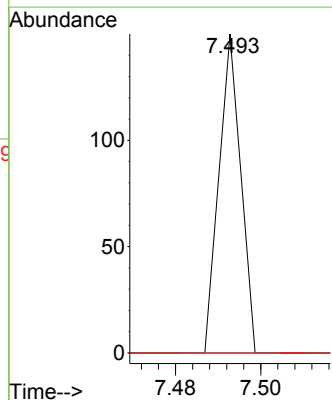
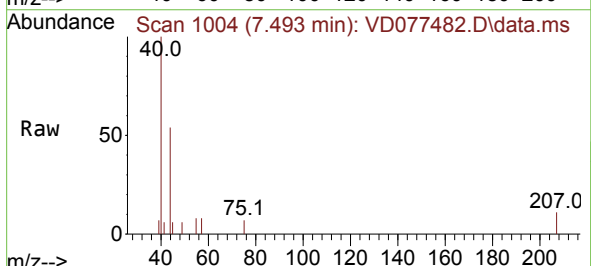
Tgt Ion: 49 Resp: 53

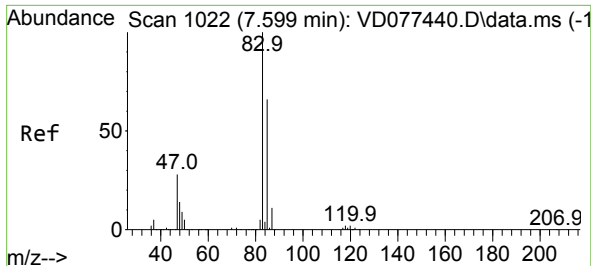
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 0.0 83.2 124.8#





#30

Chloroform

Concen: 1.666 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

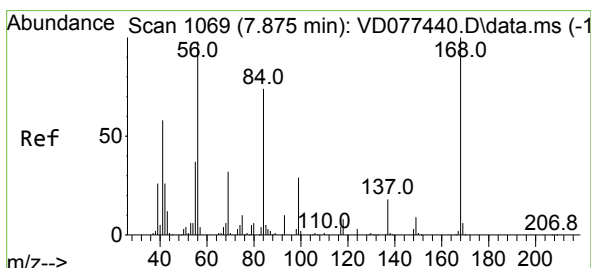
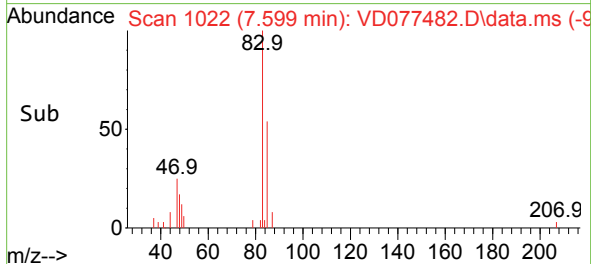
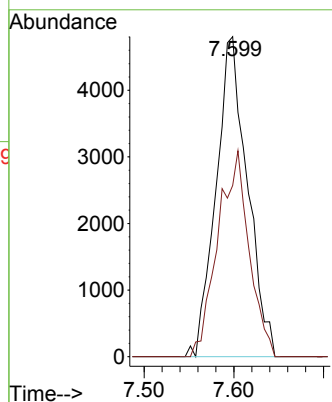
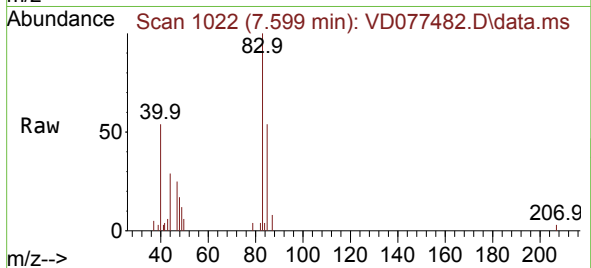
ClientSampleId :

Tgt Ion: 83 Resp: 11633

Ion Ratio Lower Upper

83 100

85 53.5 53.4 80.2



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

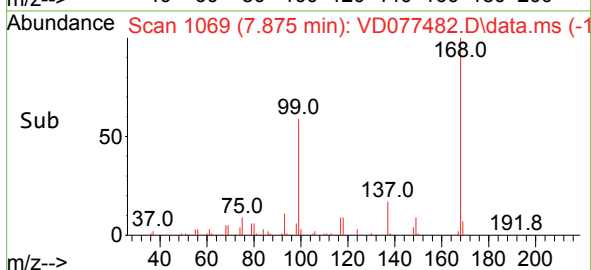
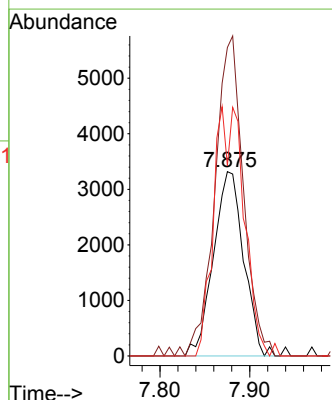
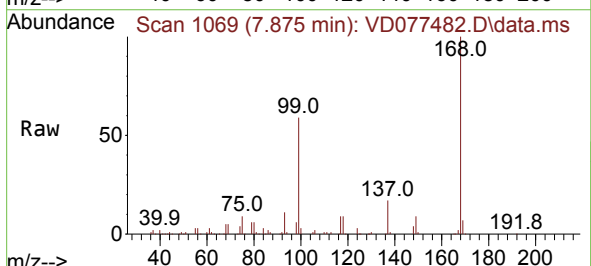
Tgt Ion: 56 Resp: 7754

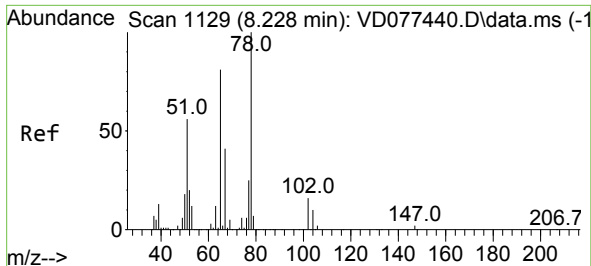
Ion Ratio Lower Upper

56 100

69 167.4 28.6 43.0#

84 103.2 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 43.792 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

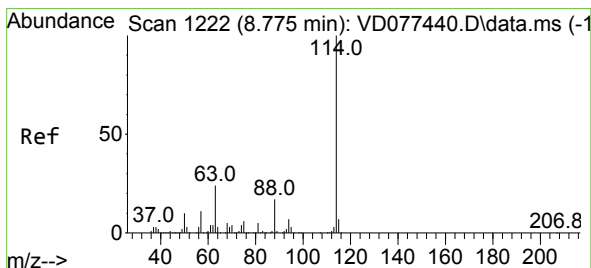
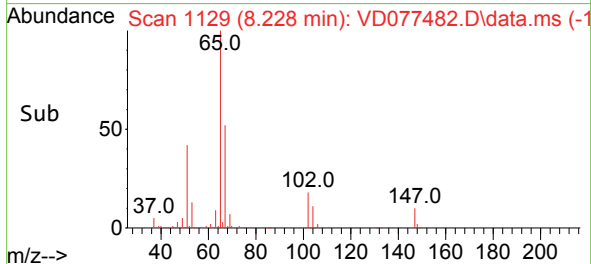
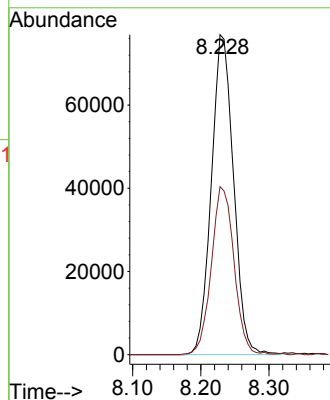
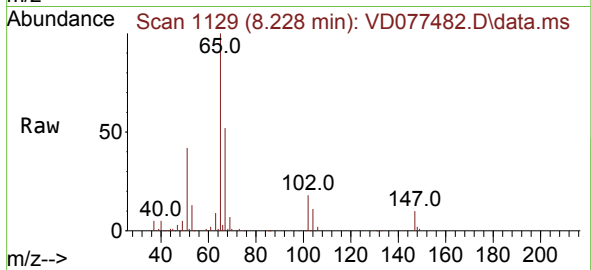
ClientSampleId :

Tgt Ion: 65 Resp: 174177

Ion Ratio Lower Upper

65 100

67 53.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

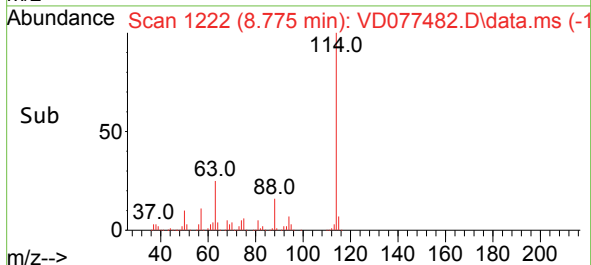
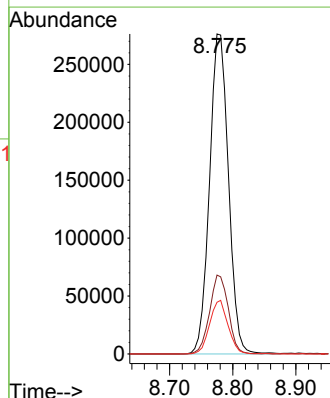
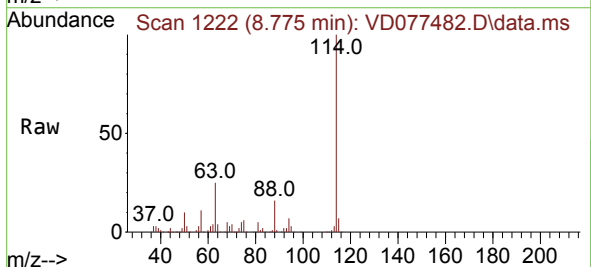
Tgt Ion: 114 Resp: 575545

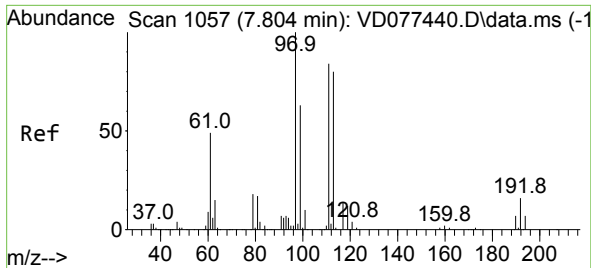
Ion Ratio Lower Upper

114 100

63 24.7 0.0 33.4

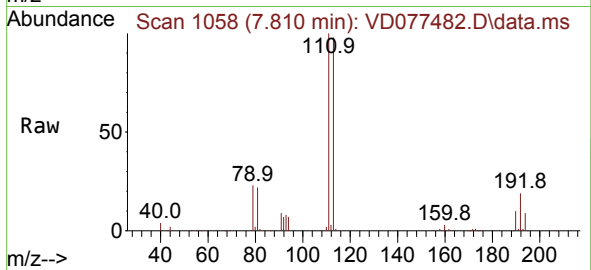
88 16.1 0.0 26.2



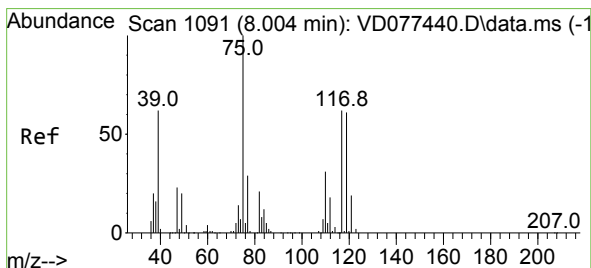
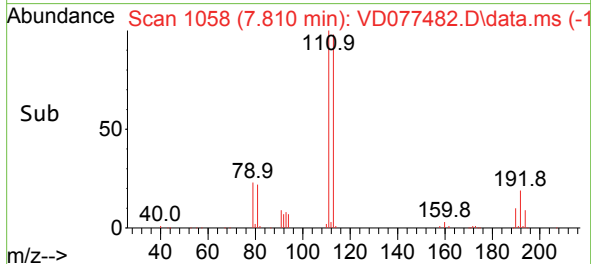
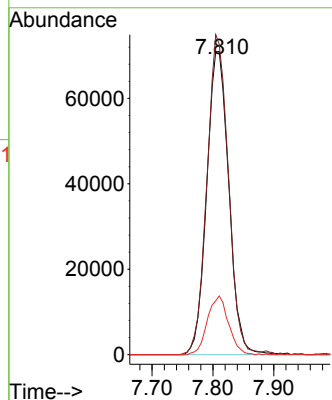


#35
Dibromofluoromethane
Concen: 45.003 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

Instrument :
MSVOA_D
ClientSampleId :

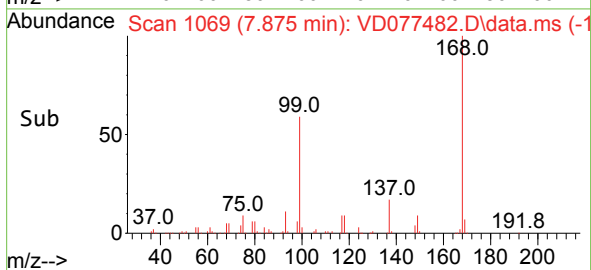
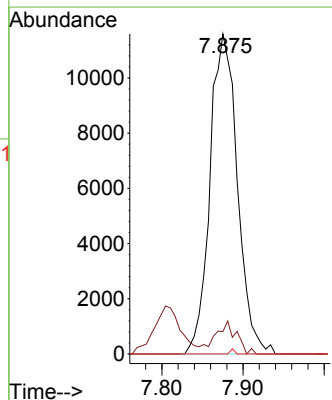
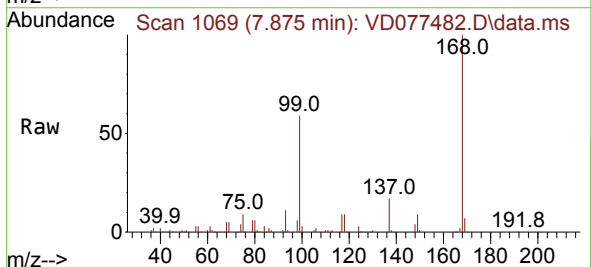


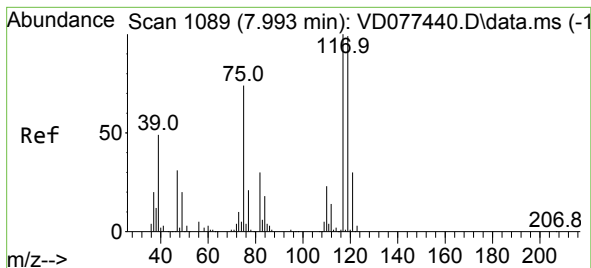
Tgt Ion:113 Resp: 179018
Ion Ratio Lower Upper
113 100
111 102.6 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.614 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 75 Resp: 27215
Ion Ratio Lower Upper
75 100
110 8.0 19.9 59.6#
77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.268 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

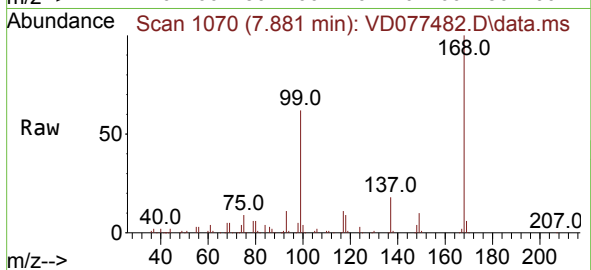
Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

ClientSampleId :



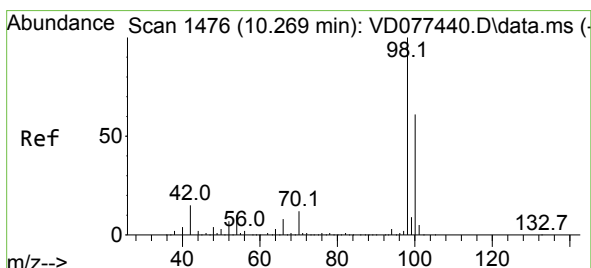
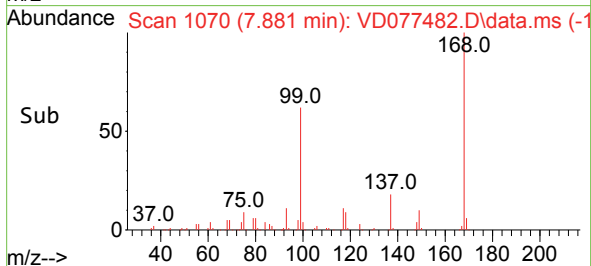
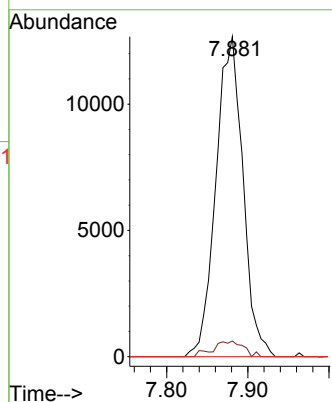
Tgt Ion:117 Resp: 29281

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.815 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077482.D

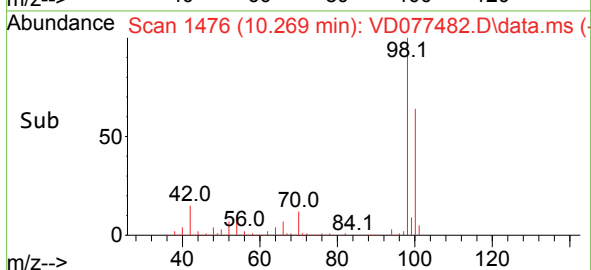
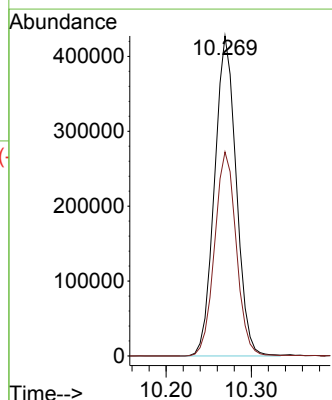
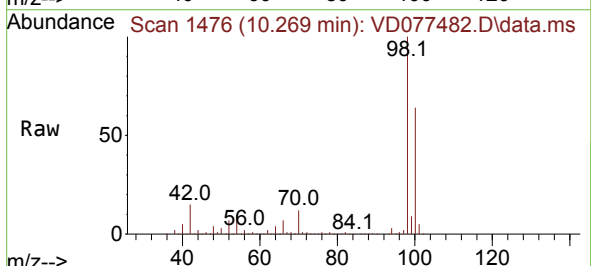
Acq: 01 Nov 2023 15:55

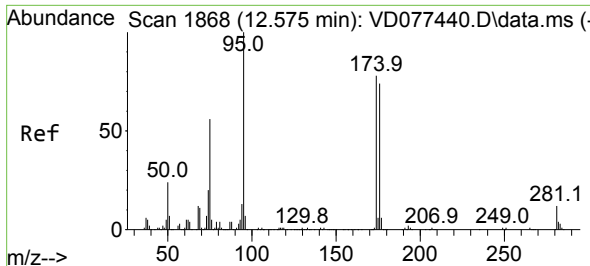
Tgt Ion: 98 Resp: 754252

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

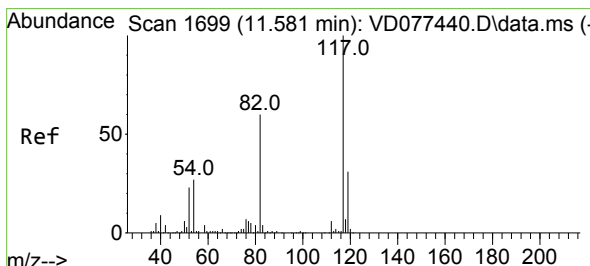
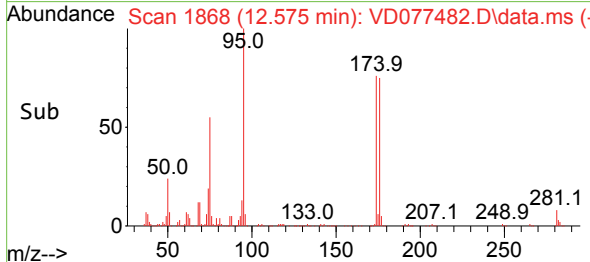
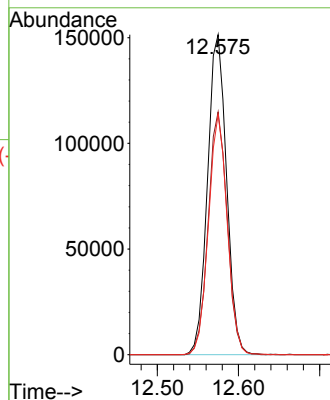
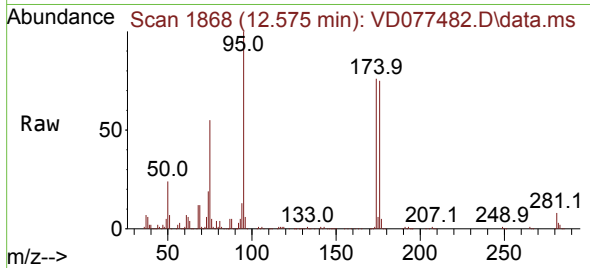




#62
4-Bromofluorobenzene
Concen: 47.291 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

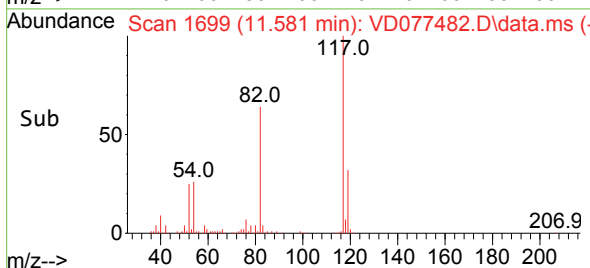
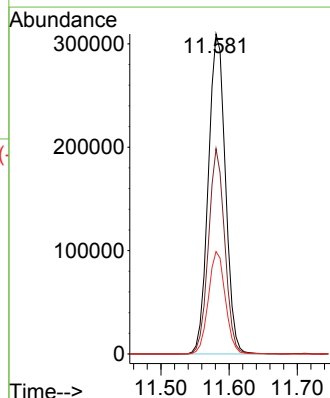
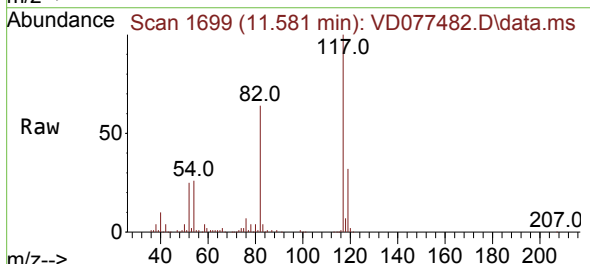
Instrument :
MSVOA_D
ClientSampleId :

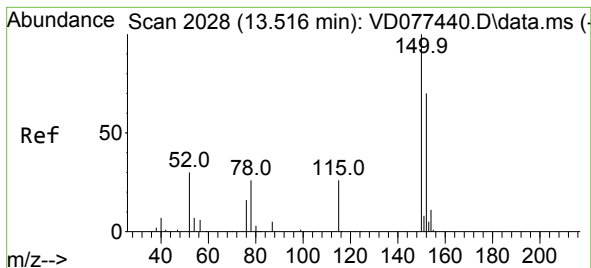
Tgt Ion: 95 Resp: 246107
Ion Ratio Lower Upper
95 100
174 75.6 0.0 201.8
176 74.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077482.D
Acq: 01 Nov 2023 15:55

Tgt Ion: 117 Resp: 540381
Ion Ratio Lower Upper
117 100
82 64.1 38.3 57.5#
119 32.0 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077482.D

Acq: 01 Nov 2023 15:55

Instrument :

MSVOA_D

ClientSampleId :

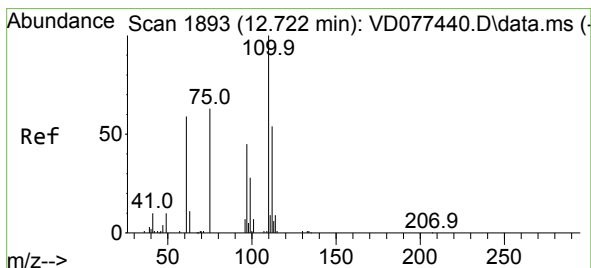
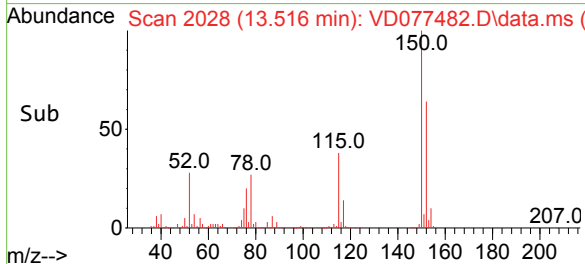
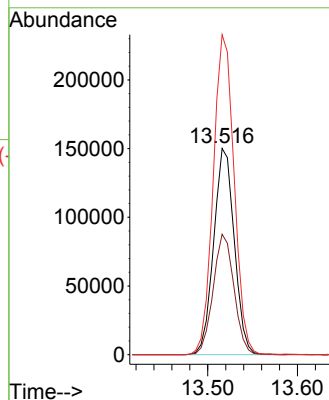
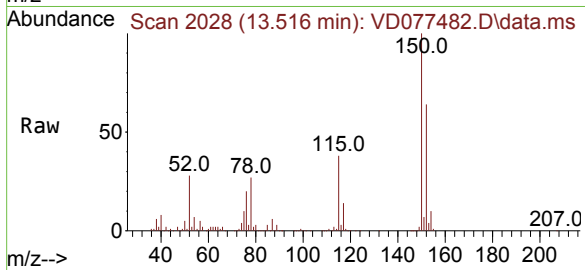
Tgt Ion:152 Resp: 239507

Ion Ratio Lower Upper

152 100

115 59.1 27.1 81.3

150 157.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 47.911 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077482.D

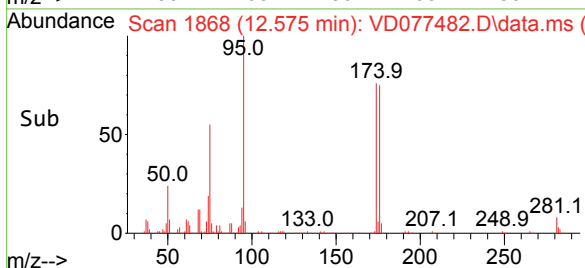
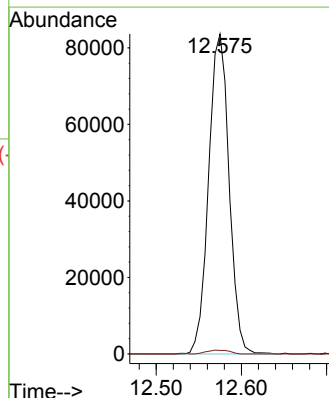
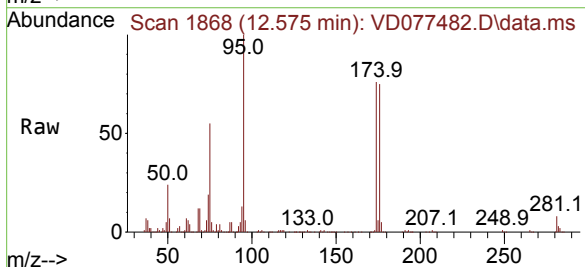
Acq: 01 Nov 2023 15:55

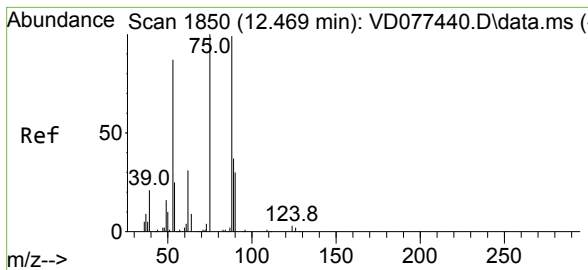
Tgt Ion: 75 Resp: 139663

Ion Ratio Lower Upper

75 100

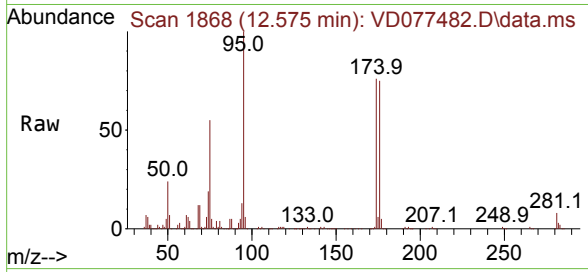
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.547 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077482.D
 Acq: 01 Nov 2023 15:55

Instrument :
 MSVOA_D
 ClientSampleId :



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

