

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110823\
 Data File : VD077519.D
 Acq On : 08 Nov 2023 14:38
 Operator : JC/SY
 Sample : 05279-03
 Misc : 5.11G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 09 01:37:45 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)

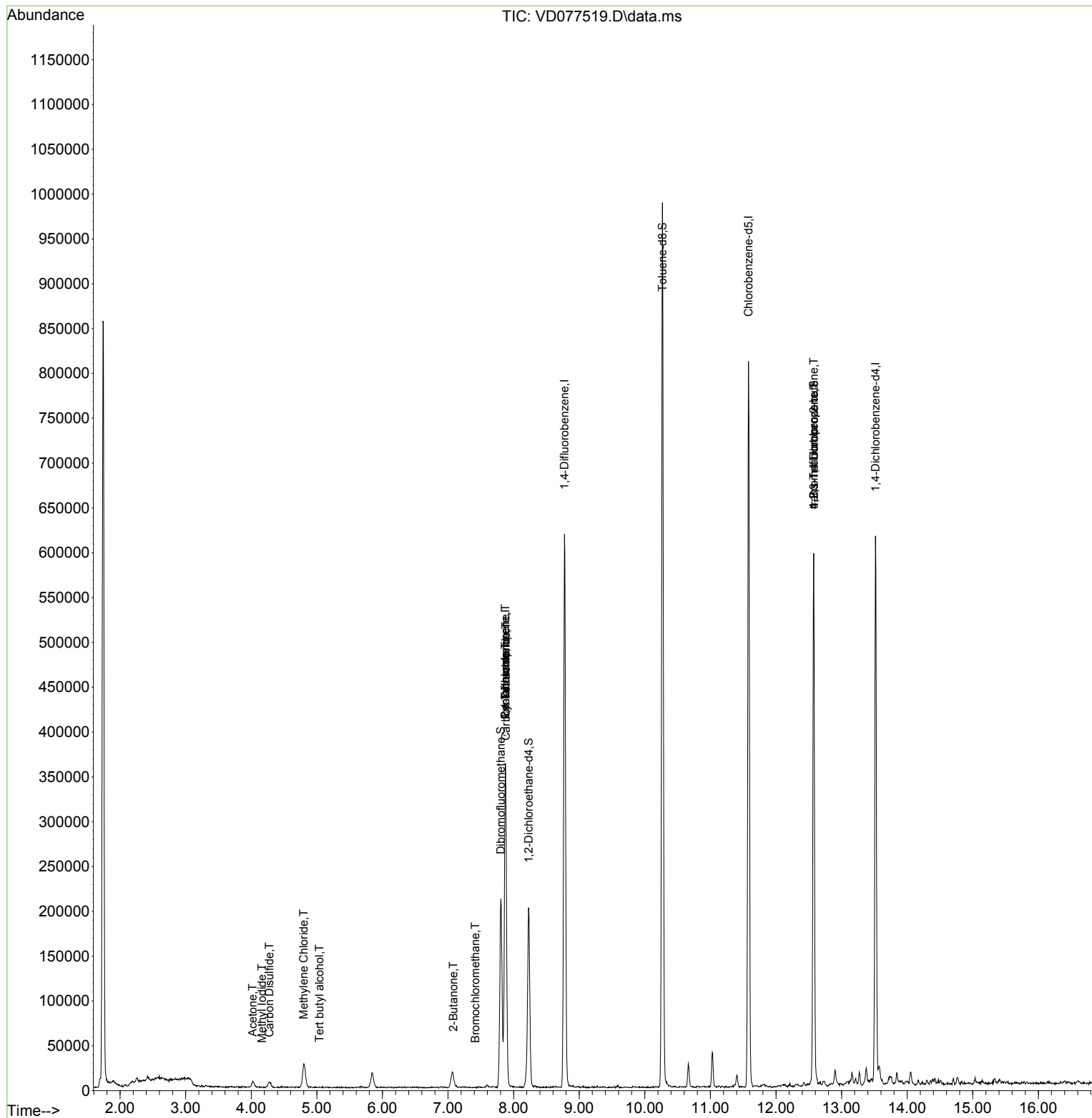
Internal Standards						
1) Pentafluorobenzene	7.875	168	267510	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	512962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	440778	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	153536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	154636	40.880	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.760%		
35) Dibromofluoromethane	7.805	113	149767	42.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	84.480%		
50) Toluene-d8	10.269	98	659548	47.893	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	95.780%		
62) 4-Bromofluorobenzene	12.575	95	175323	37.799	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	75.600%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	65	3.165	ug/l #	46
11) Tert butyl alcohol	5.040	59	612	2.042	ug/l	99
16) Acetone	4.022	43	12162	12.150	ug/l #	79
17) Carbon Disulfide	4.275	76	10302	4.912	ug/l #	86
20) Methylene Chloride	4.799	84	18377	2.591	ug/l #	59
25) 2-Butanone	7.081	43	4221	3.162	ug/l #	81
28) Bromochloromethane	7.416	49	76	2.128	ug/l #	1
31) Cyclohexane	7.875	56	7601	1.285	ug/l #	53
36) 1,1-Dichloropropene	7.875	75	24293	4.621	ug/l #	47
38) Carbon Tetrachloride	7.881	117	27816	5.615	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	98751	52.845	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	98751	102.078	ug/l #	17

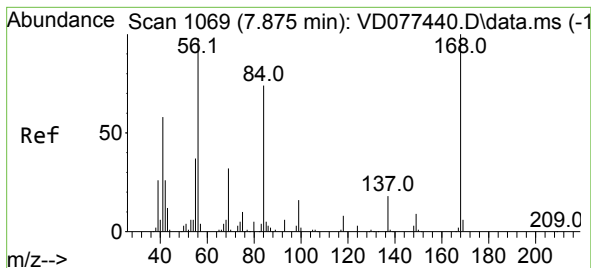
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
Quant Title : SW846 8260
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: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

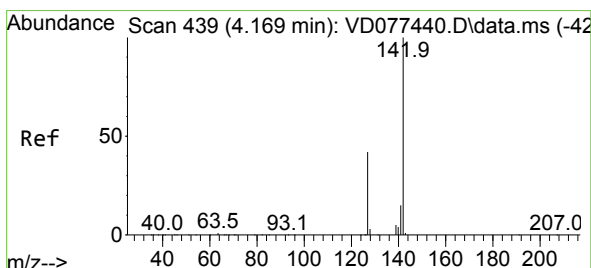
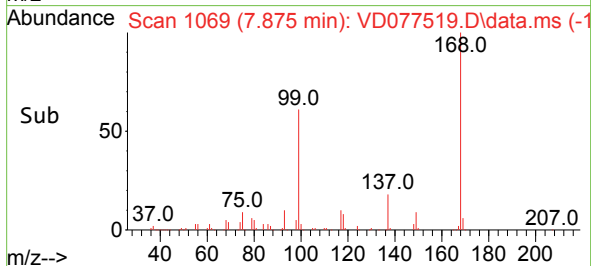
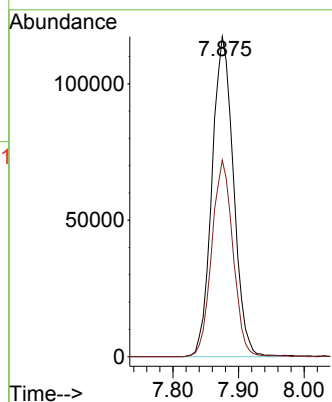
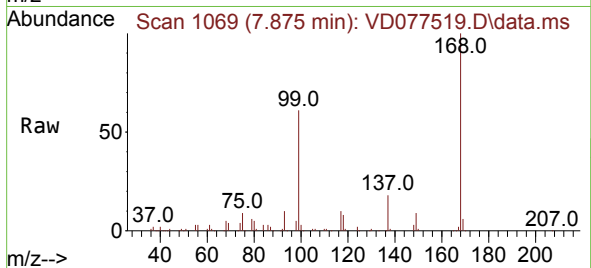
ClientSampleId :

Tgt Ion:168 Resp: 267510

Ion Ratio Lower Upper

168 100

99 61.4 36.7 55.1#



#10

Methyl Iodide

Concen: 3.165 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

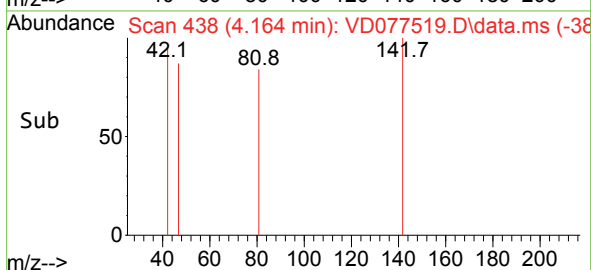
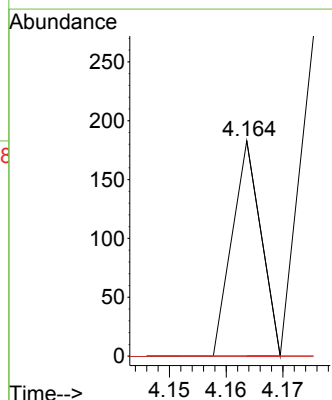
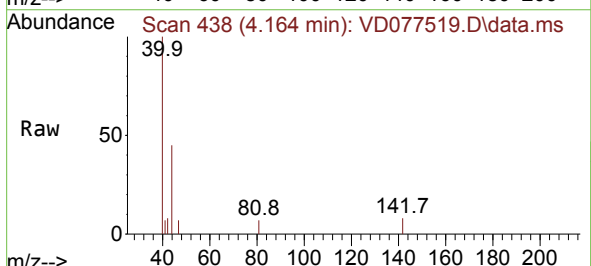
Tgt Ion:142 Resp: 65

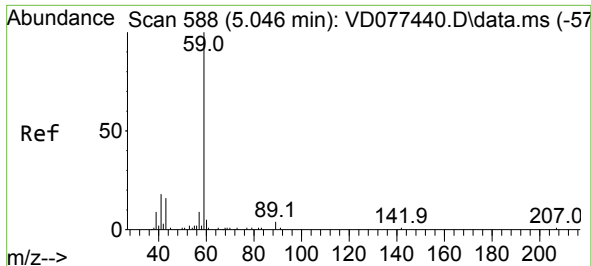
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 2.042 ug/l

RT: 5.040 min Scan# 51

Delta R.T. -0.006 min

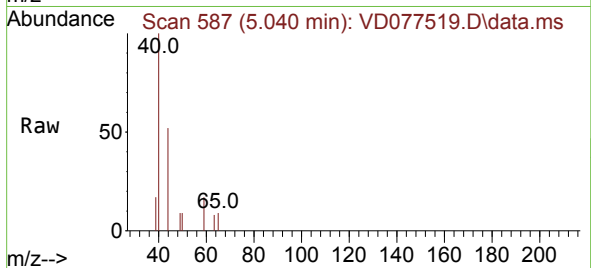
Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

ClientSampleId :

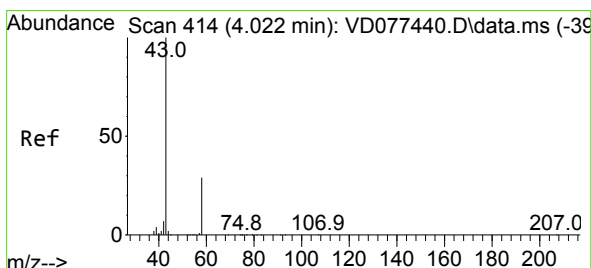
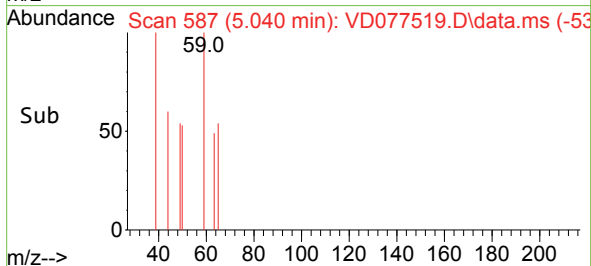
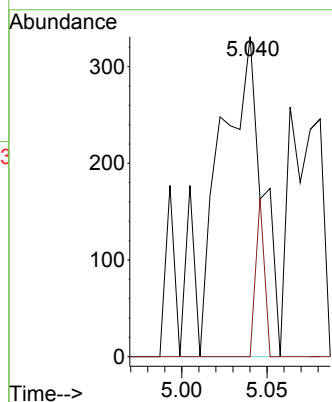


Tgt Ion: 59 Resp: 612

Ion Ratio Lower Upper

59 100

57 9.5 7.8 11.8



#16

Acetone

Concen: 12.150 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077519.D

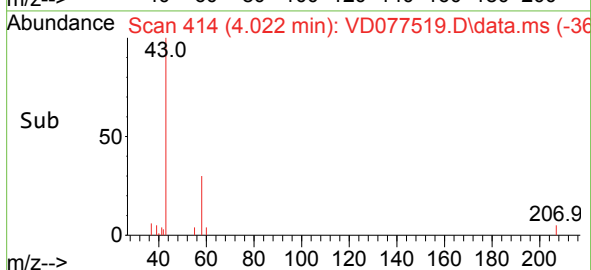
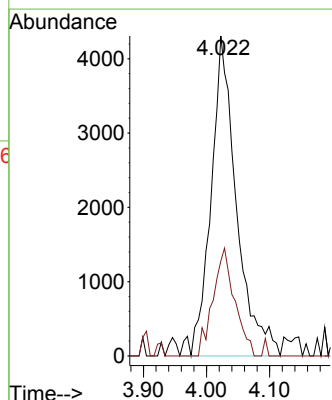
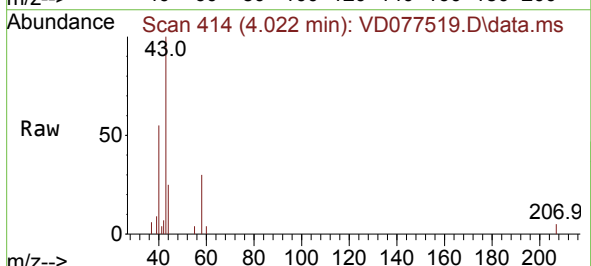
Acq: 08 Nov 2023 14:38

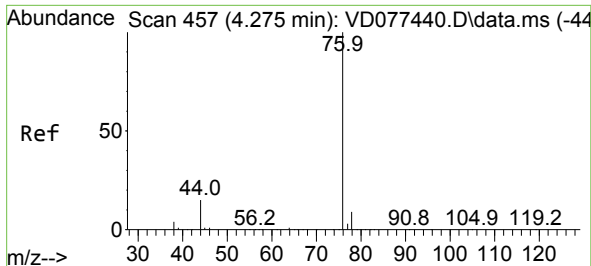
Tgt Ion: 43 Resp: 12162

Ion Ratio Lower Upper

43 100

58 29.7 34.7 52.1#

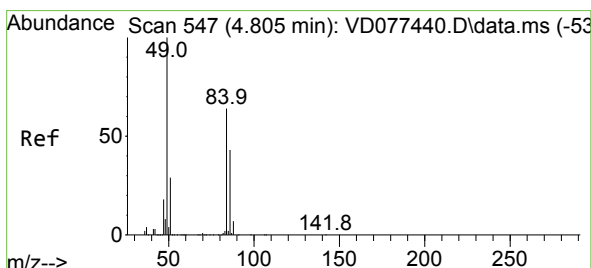
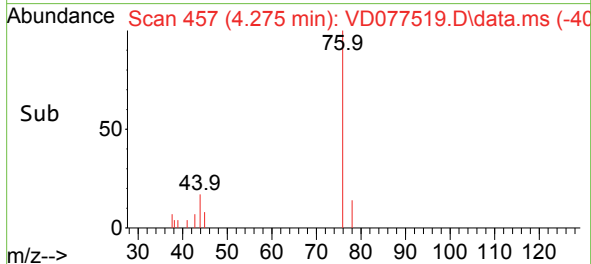
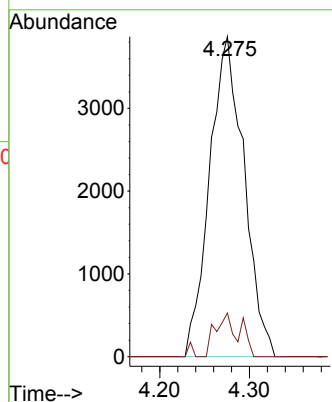
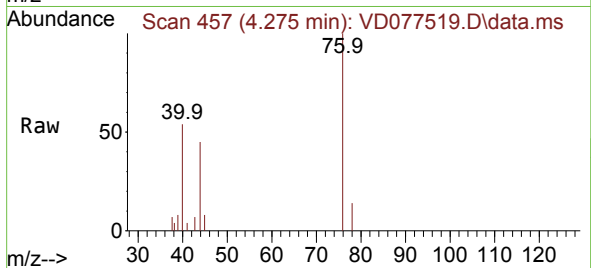




#17
Carbon Disulfide
Concen: 4.912 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077519.D
Acq: 08 Nov 2023 14:38

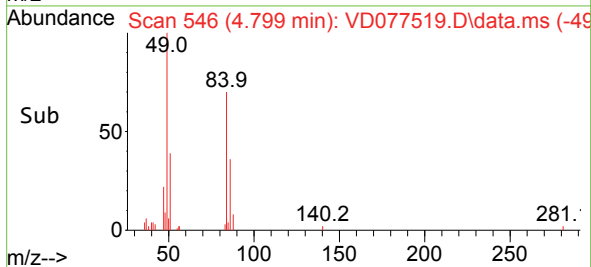
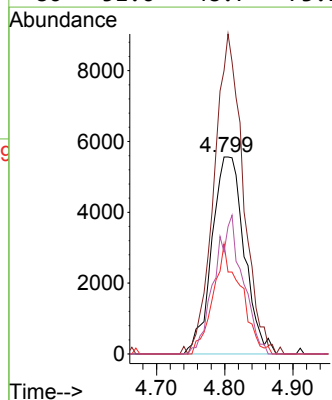
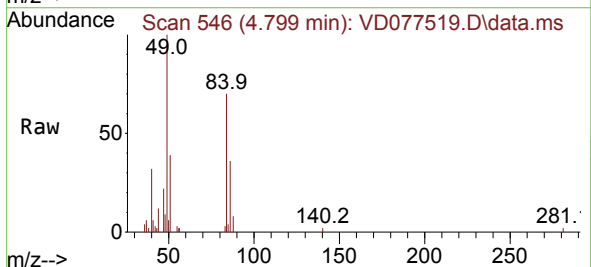
Instrument :
MSVOA_D
ClientSampleId :

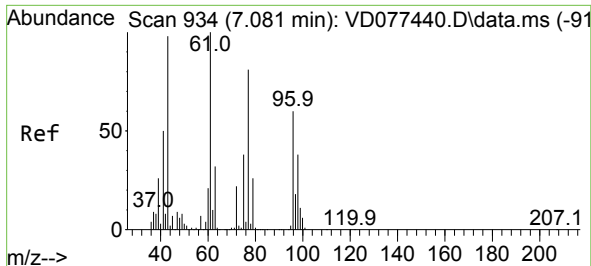
Tgt Ion: 76 Resp: 10302
Ion Ratio Lower Upper
76 100
78 13.7 6.8 10.2#



#20
Methylene Chloride
Concen: 2.591 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077519.D
Acq: 08 Nov 2023 14:38

Tgt Ion: 84 Resp: 18377
Ion Ratio Lower Upper
84 100
49 143.9 71.4 107.2#
51 55.9 24.5 36.7#
86 51.6 48.7 73.1

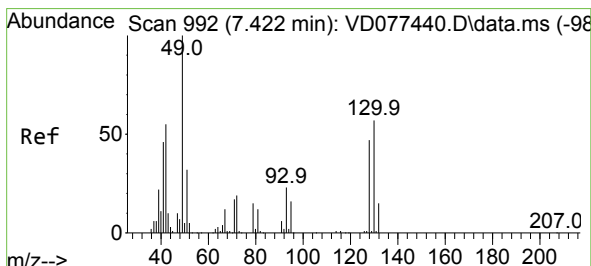
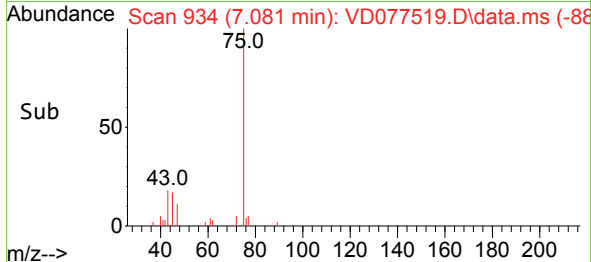
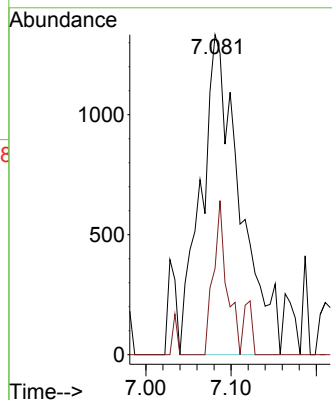
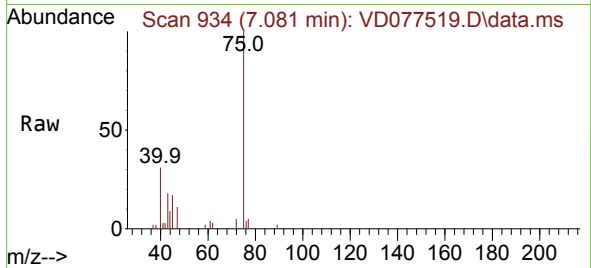




#25
2-Butanone
Concen: 3.162 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077519.D
Acq: 08 Nov 2023 14:38

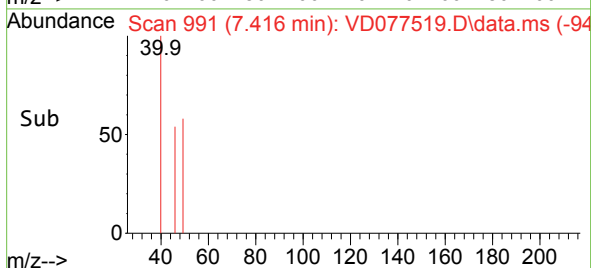
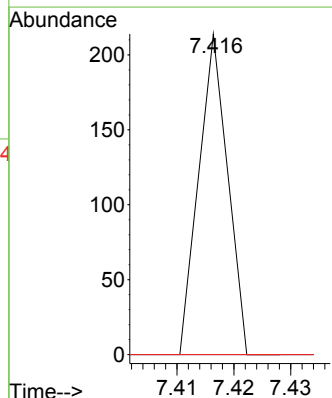
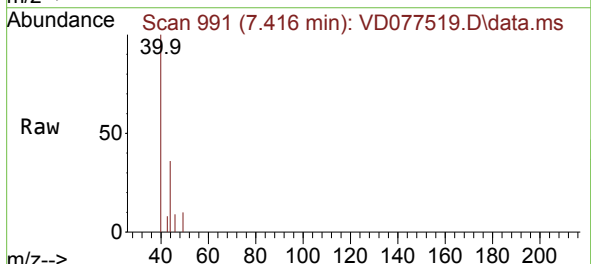
Instrument :
MSVOA_D
ClientSampleId :

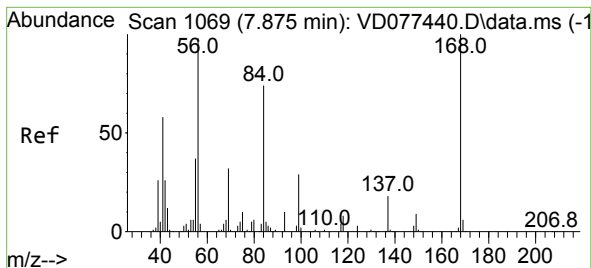
Tgt Ion: 43 Resp: 4221
Ion Ratio Lower Upper
43 100
72 27.0 30.7 46.1#



#28
Bromochloromethane
Concen: 2.128 ug/l
RT: 7.416 min Scan# 991
Delta R.T. -0.006 min
Lab File: VD077519.D
Acq: 08 Nov 2023 14:38

Tgt Ion: 49 Resp: 76
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#31

Cyclohexane

Concen: 1.285 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

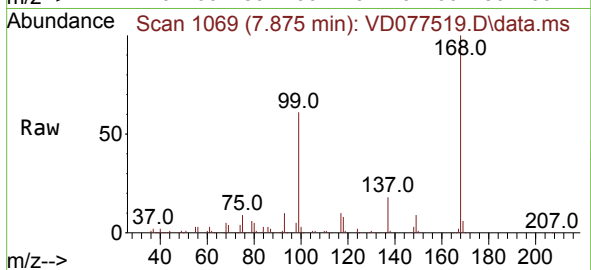
Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

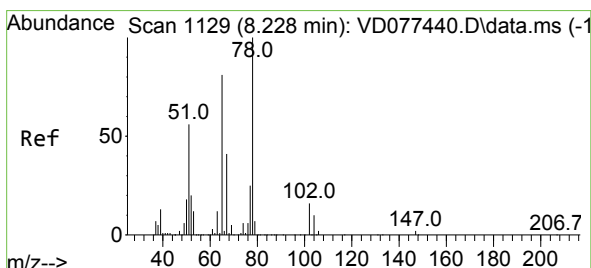
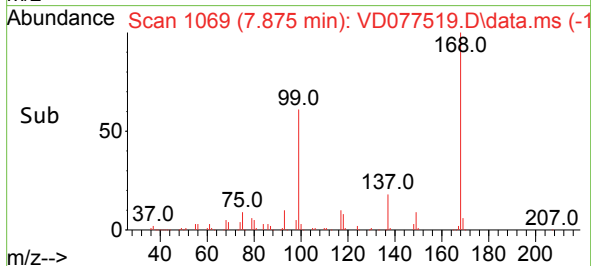
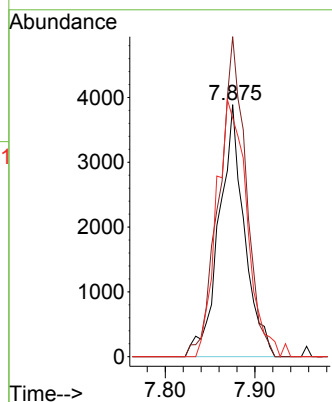
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 56	Resp: 7601
Ion Ratio	Lower Upper
56	100
69	126.9 28.6 43.0#
84	94.6 84.8 127.2



#33

1,2-Dichloroethane-d4

Concen: 40.880 ug/l

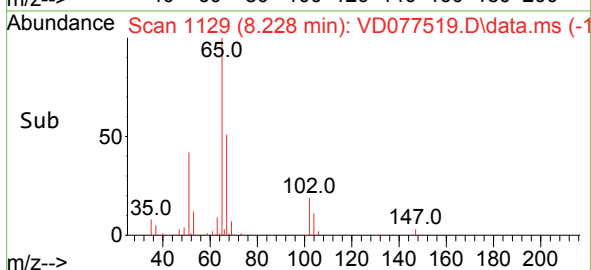
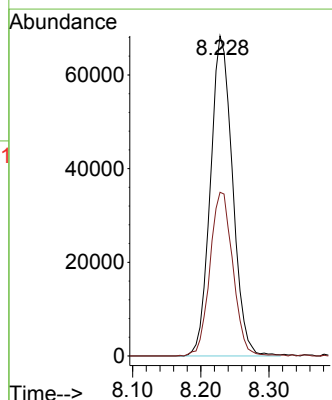
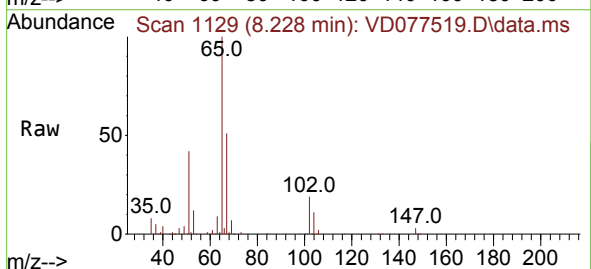
RT: 8.228 min Scan# 1129

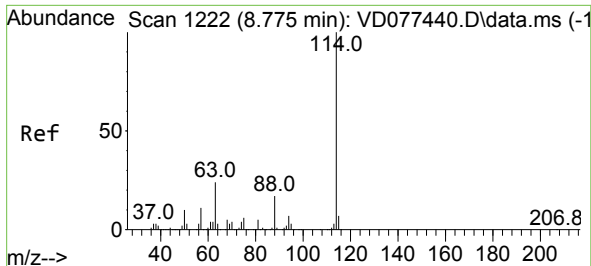
Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Tgt Ion: 65	Resp: 154636
Ion Ratio	Lower Upper
65	100
67	53.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

ClientSampleId :

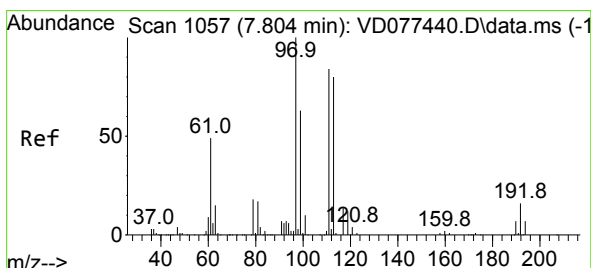
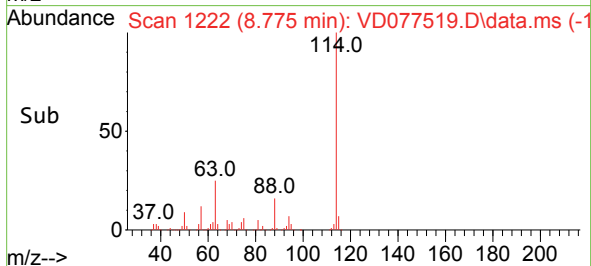
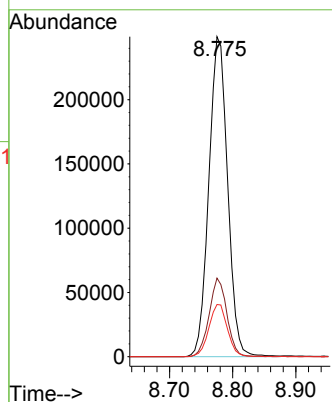
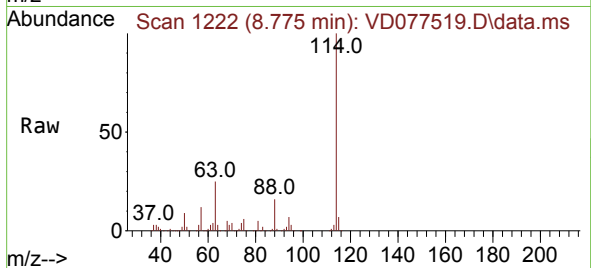
Tgt Ion:114 Resp: 512962

Ion Ratio Lower Upper

114 100

63 24.6 0.0 33.4

88 16.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.243 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

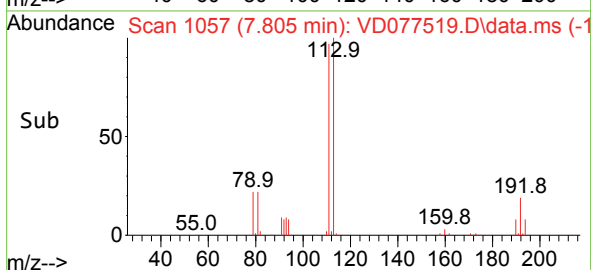
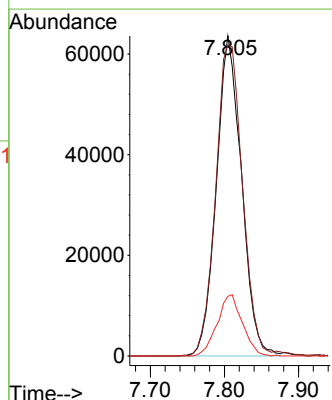
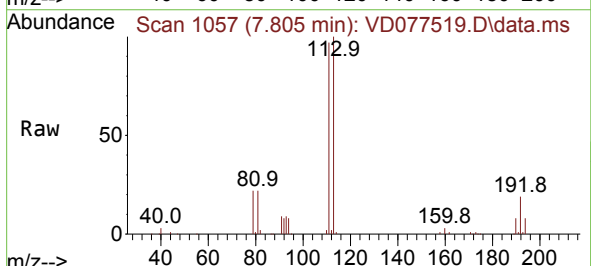
Tgt Ion:113 Resp: 149767

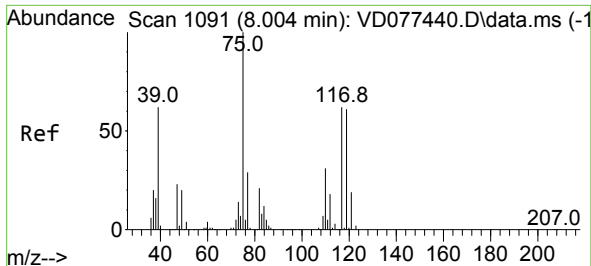
Ion Ratio Lower Upper

113 100

111 104.3 84.7 127.1

192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.621 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

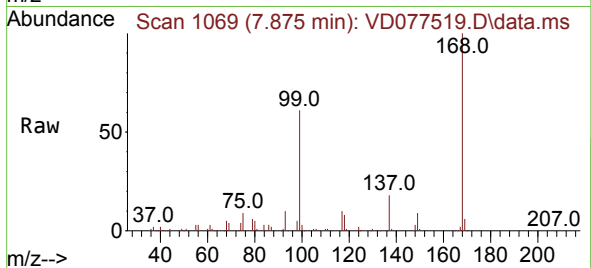
Lab File: VD077519.D

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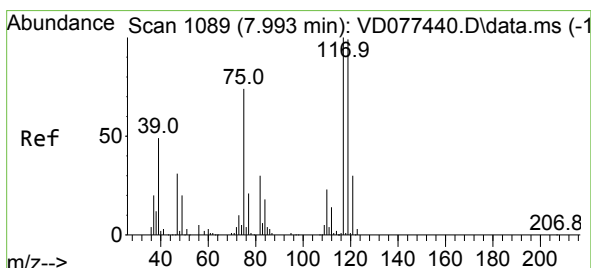
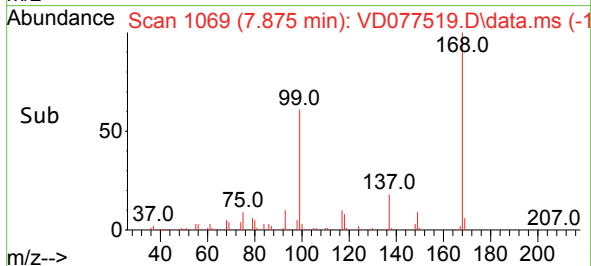
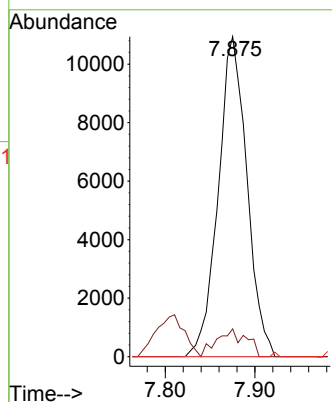
Tgt Ion: 75 Resp: 24293

Ion Ratio Lower Upper

75 100

110 8.9 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.615 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

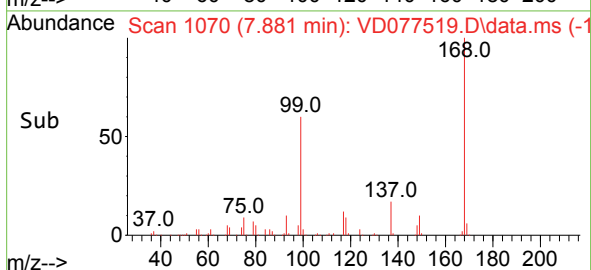
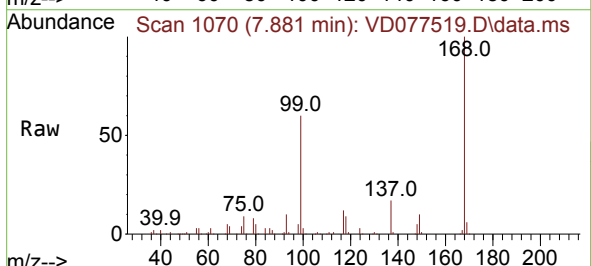
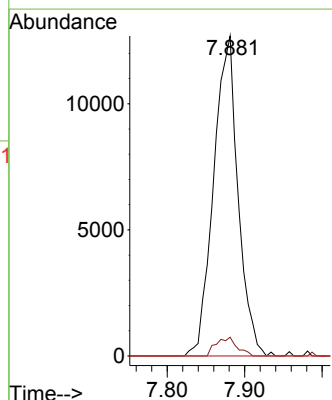
Tgt Ion: 117 Resp: 27816

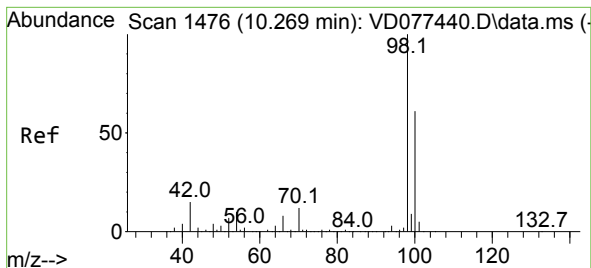
Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 47.893 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

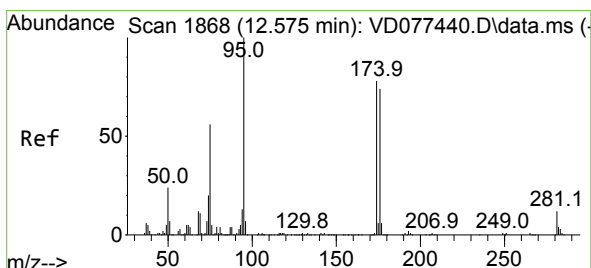
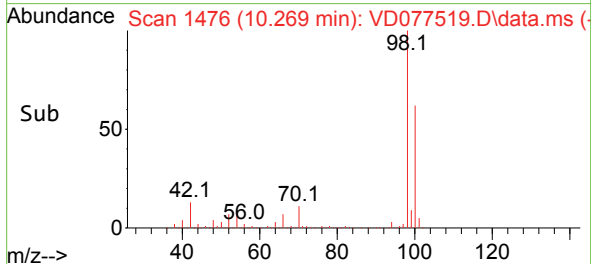
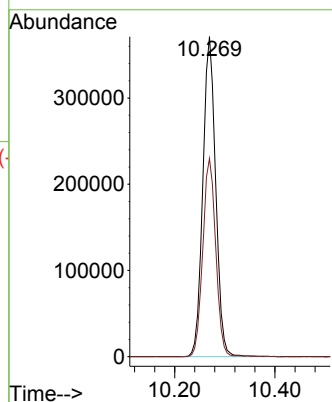
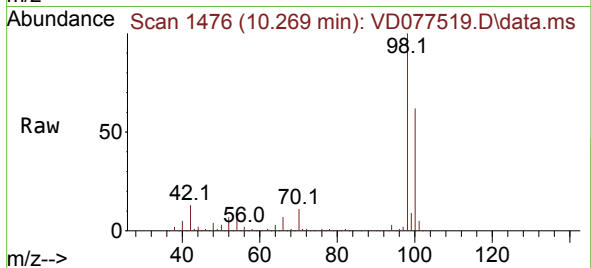
ClientSampleId :

Tgt Ion: 98 Resp: 659548

Ion Ratio Lower Upper

98 100

100 62.7 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 37.799 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

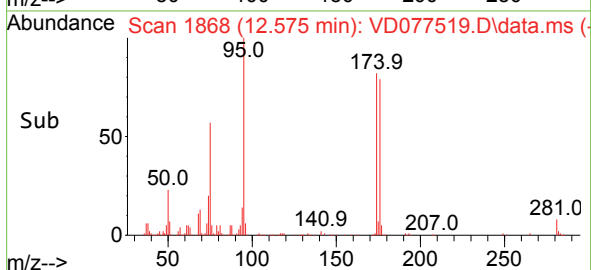
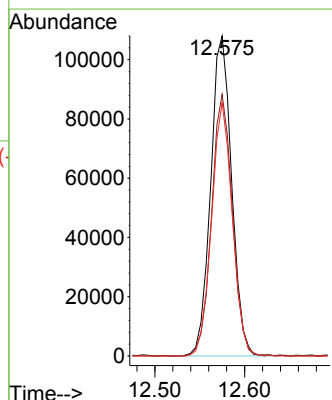
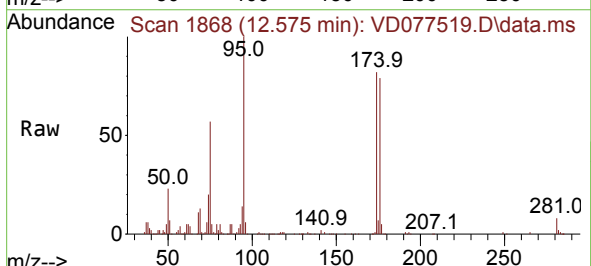
Tgt Ion: 95 Resp: 175323

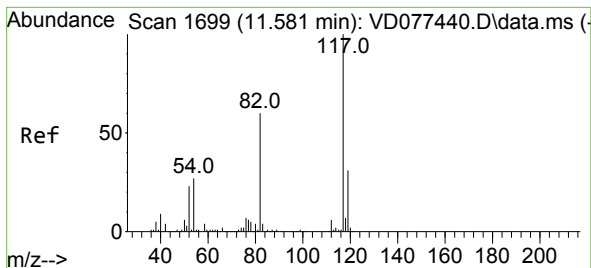
Ion Ratio Lower Upper

95 100

174 80.8 0.0 201.8

176 77.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

ClientSampleId :

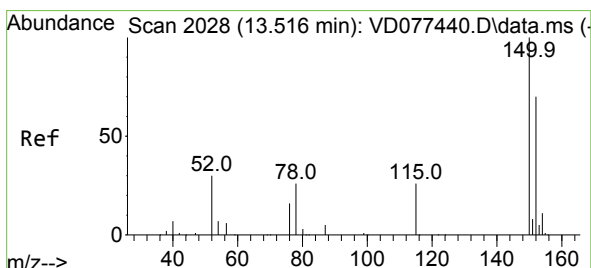
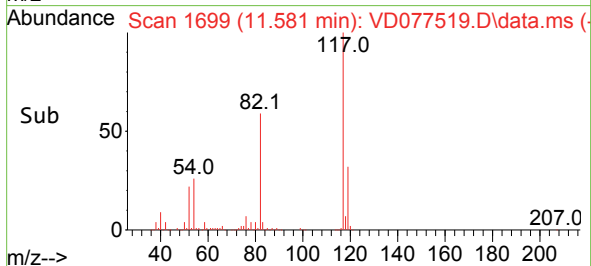
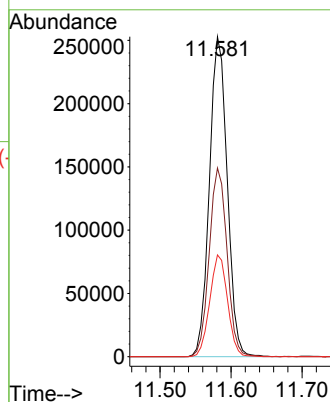
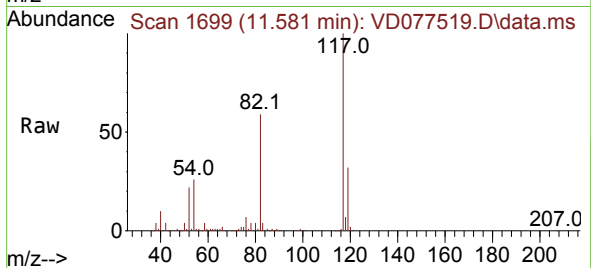
Tgt Ion:117 Resp: 440778

Ion Ratio Lower Upper

117 100

82 58.9 38.3 57.5#

119 31.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

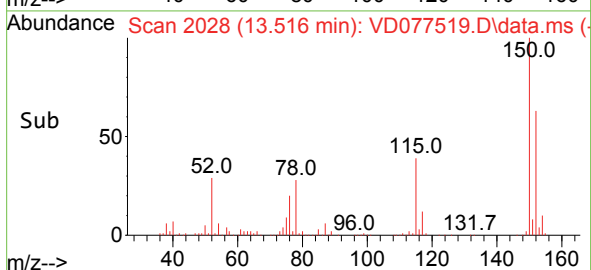
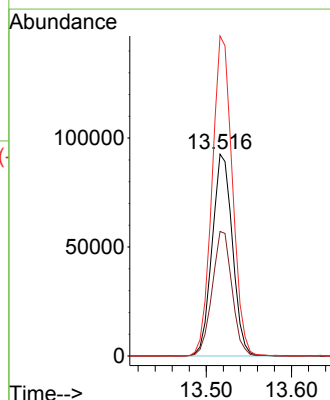
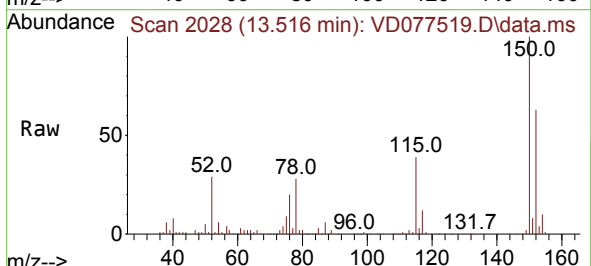
Tgt Ion:152 Resp: 153536

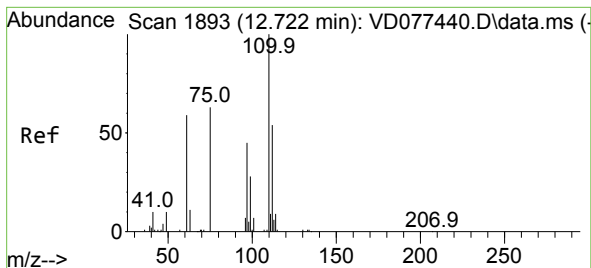
Ion Ratio Lower Upper

152 100

115 60.3 27.1 81.3

150 158.2 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 52.845 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Instrument :

MSVOA_D

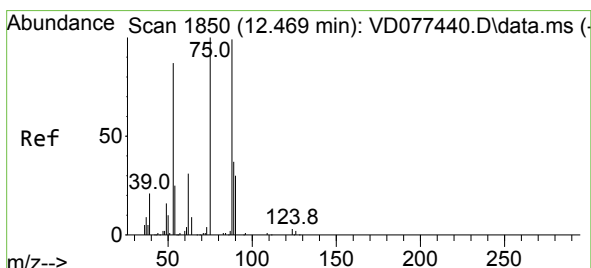
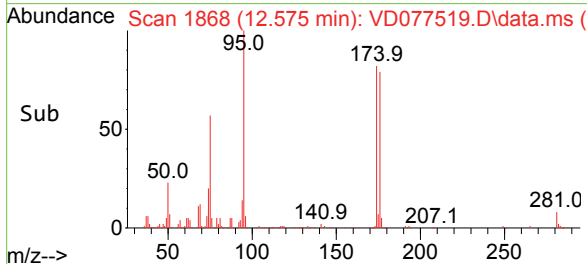
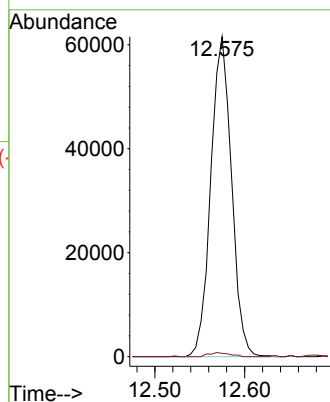
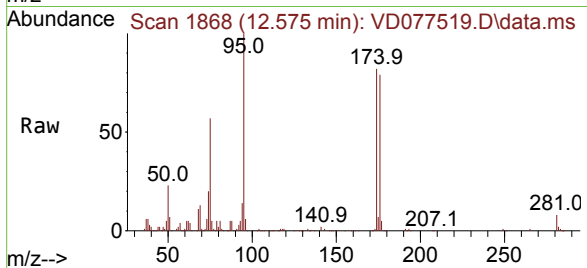
ClientSampleId :

Tgt Ion: 75 Resp: 98751

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.078 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD077519.D

Acq: 08 Nov 2023 14:38

Tgt Ion: 75 Resp: 98751

Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.1 37.9 56.9#

