

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077499.D
 Acq On : 03 Nov 2023 17:16
 Operator : JC/SY
 Sample : 05257-03
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 04 05:15:44 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)

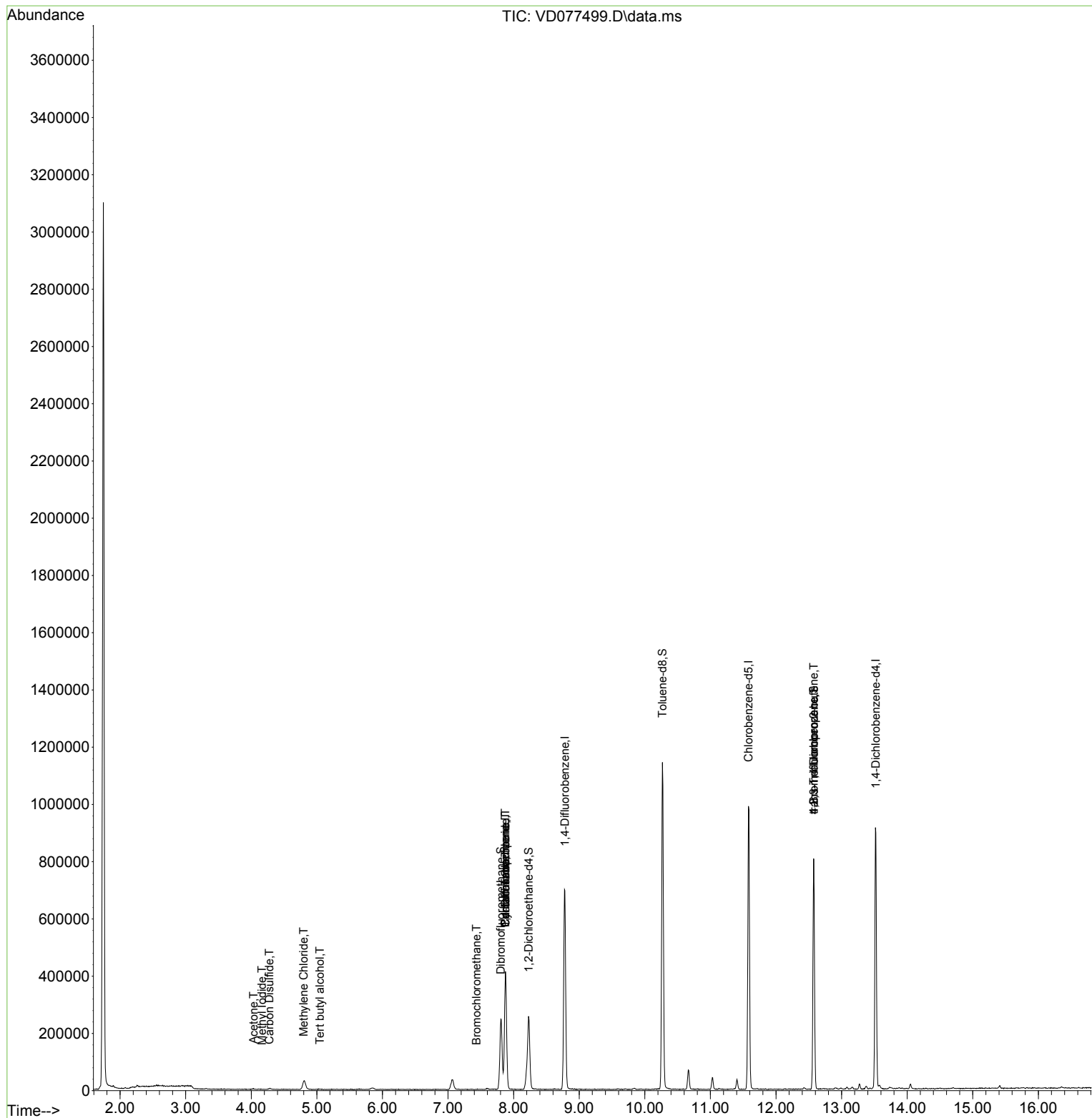
Internal Standards						
1) Pentafluorobenzene	7.875	168	298233	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	586563	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	530486	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	228508	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	188429	44.681	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.360%		
35) Dibromofluoromethane	7.805	113	178718	44.083	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.160%		
50) Toluene-d8	10.269	98	762149	48.399	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	96.800%		
62) 4-Bromofluorobenzene	12.575	95	235539	44.410	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	88.820%		
Target Compounds						
						Qvalue
10) Methyl Iodide	4.164	142	177	3.190	ug/l #	46
11) Tert butyl alcohol	5.046	59	746	2.233	ug/l #	93
16) Acetone	4.034	43	3449	3.091	ug/l #	80
17) Carbon Disulfide	4.275	76	2891	4.047	ug/l #	76
20) Methylene Chloride	4.799	84	20718	2.649	ug/l #	66
28) Bromochloromethane	7.434	49	59	2.121	ug/l #	1
31) Cyclohexane	7.875	56	8279	1.256	ug/l #	25
36) 1,1-Dichloropropene	7.875	75	27456	4.568	ug/l #	46
38) Carbon Tetrachloride	7.875	117	31498	5.561	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	136025	48.910	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	136025	94.475	ug/l #	17

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
Data File : VD077499.D
Acq On : 03 Nov 2023 17:16
Operator : JC/SY
Sample : 05257-03
Misc : 5.08G/5.0ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 04 05:15:44 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

Instrument :

MSVOA_D

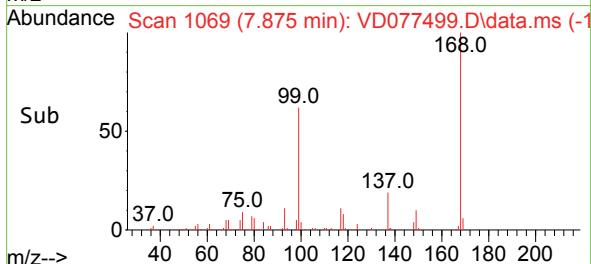
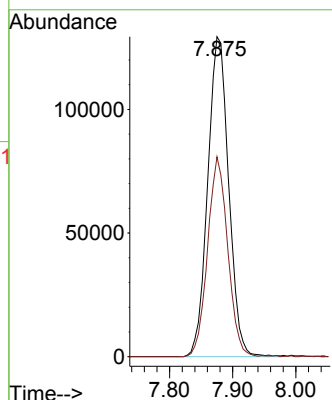
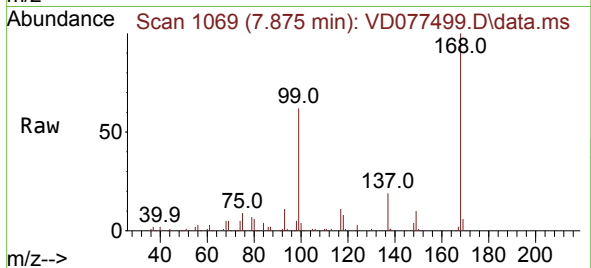
ClientSampleId :

Tgt Ion:168 Resp: 298233

Ion Ratio Lower Upper

168 100

99 62.4 36.7 55.1#



#10

Methyl Iodide

Concen: 3.190 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

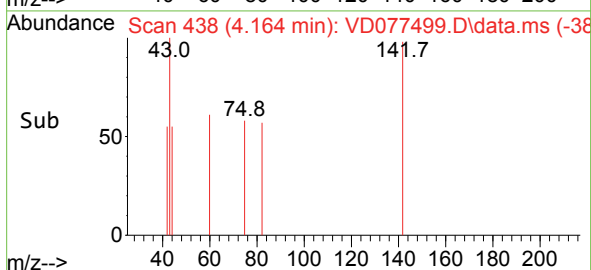
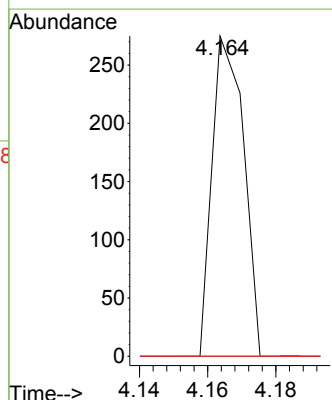
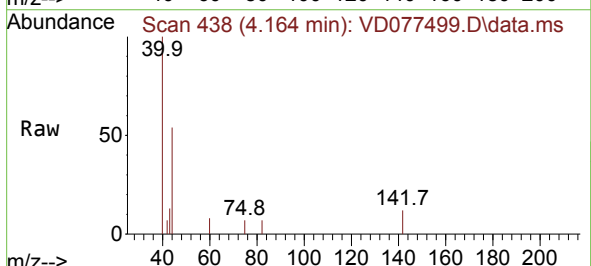
Tgt Ion:142 Resp: 177

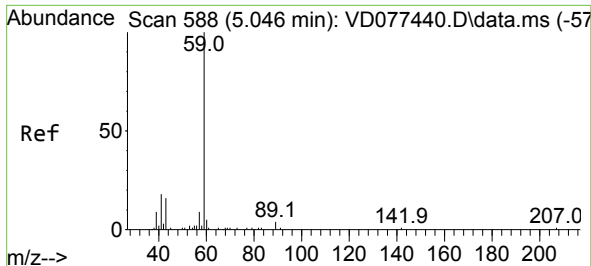
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

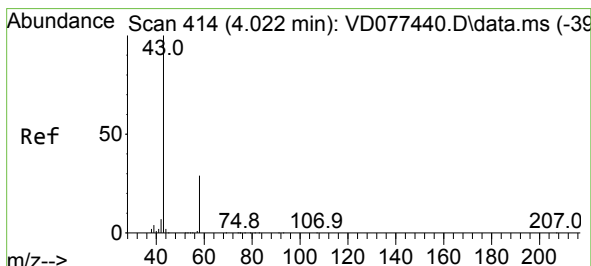
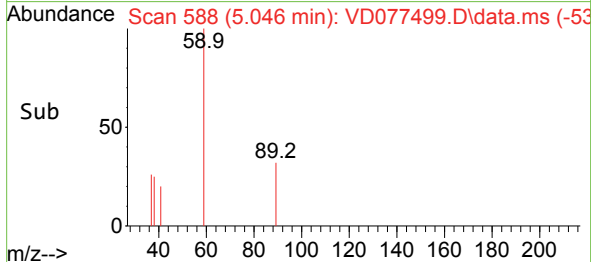
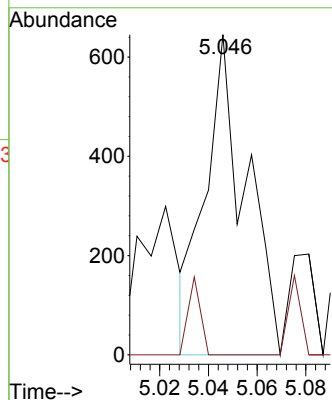
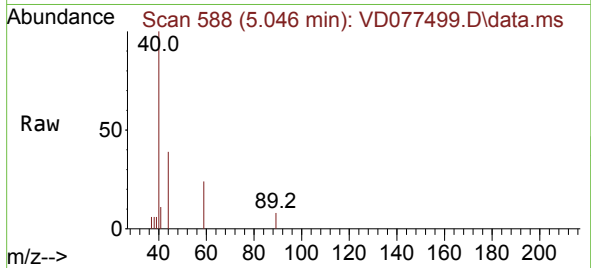




#11
Tert butyl alcohol
Concen: 2.233 ug/l
RT: 5.046 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

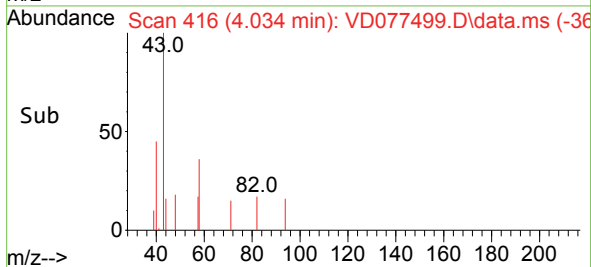
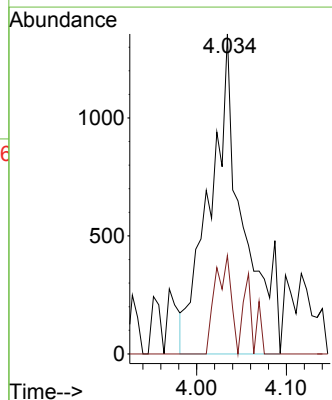
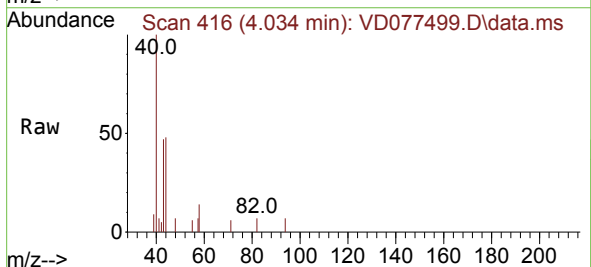
Instrument :
MSVOA_D
ClientSampleId :

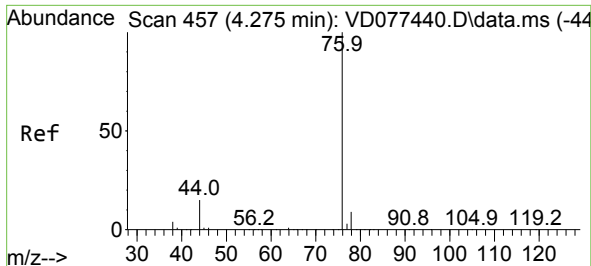
Tgt Ion: 59 Resp: 746
Ion Ratio Lower Upper
59 100
57 7.4 7.8 11.8#



#16
Acetone
Concen: 3.091 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

Tgt Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
58 30.8 34.7 52.1#

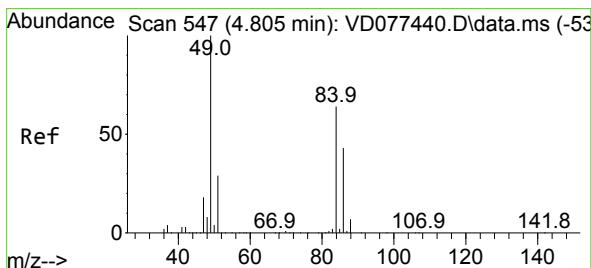
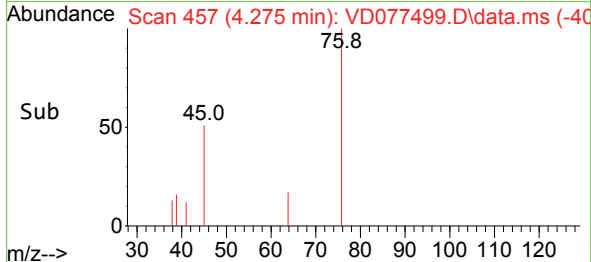
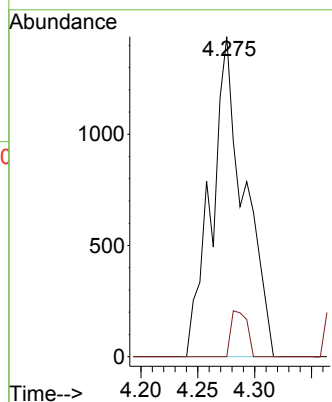
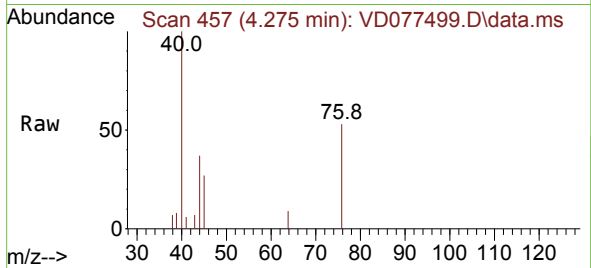




#17
Carbon Disulfide
Concen: 4.047 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

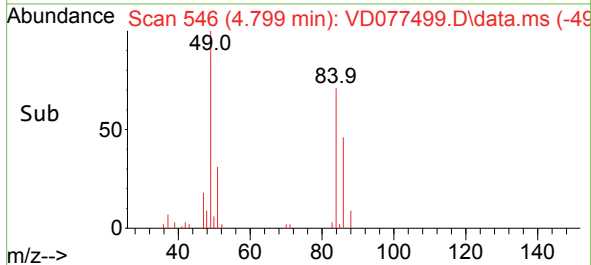
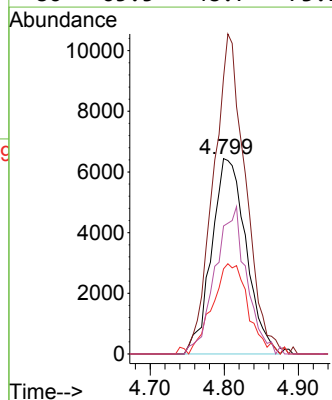
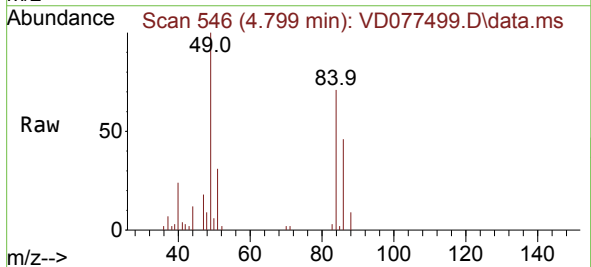
Instrument :
MSVOA_D
ClientSampleId :

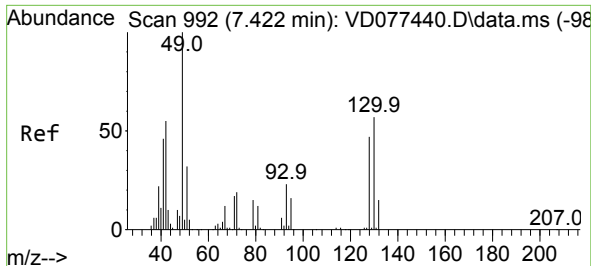
Tgt Ion: 76 Resp: 2891
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 2.649 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

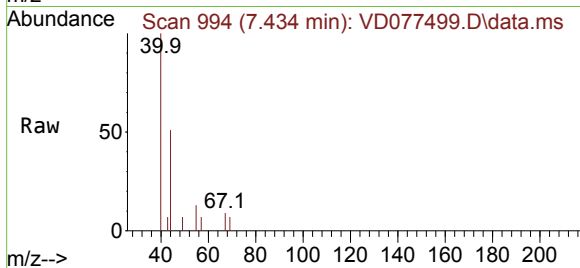
Tgt Ion: 84 Resp: 20718
Ion Ratio Lower Upper
84 100
49 141.6 71.4 107.2#
51 43.6 24.5 36.7#
86 65.5 48.7 73.1



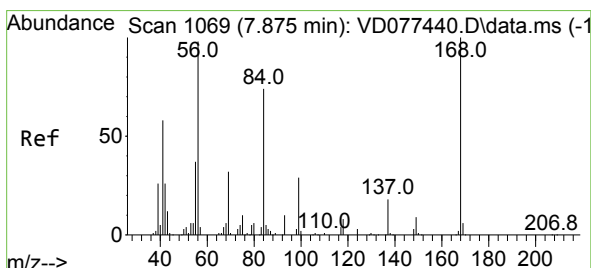
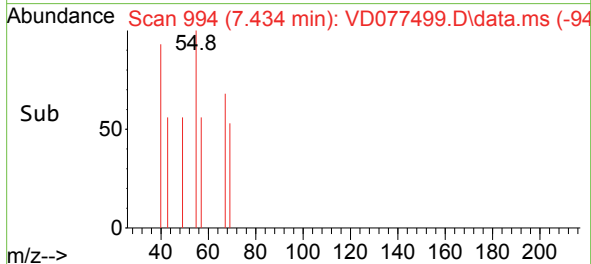
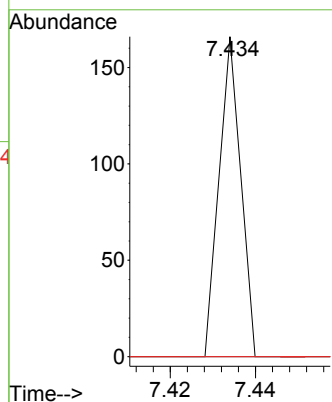


#28
Bromochloromethane
Concen: 2.121 ug/l
RT: 7.434 min Scan# 994
Delta R.T. 0.012 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

Instrument :
MSVOA_D
ClientSampleId :

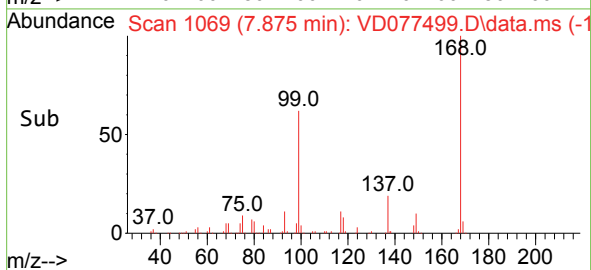
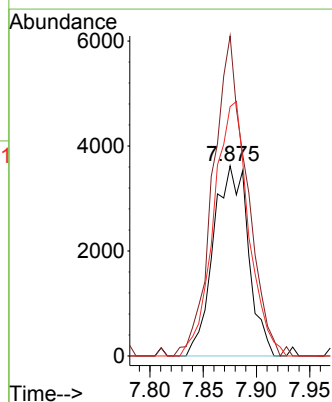
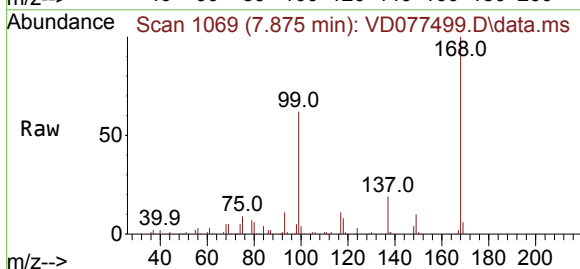


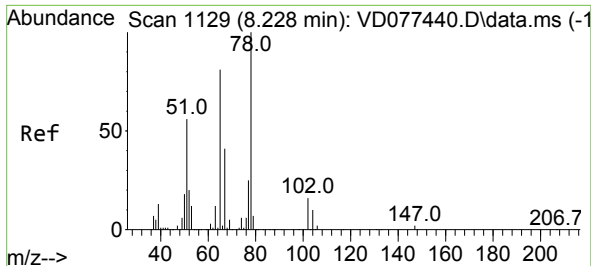
Tgt Ion: 49 Resp: 59
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

Tgt Ion: 56 Resp: 8279
Ion Ratio Lower Upper
56 100
69 168.3 28.6 43.0#
84 131.1 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 44.681 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

Instrument :

MSVOA_D

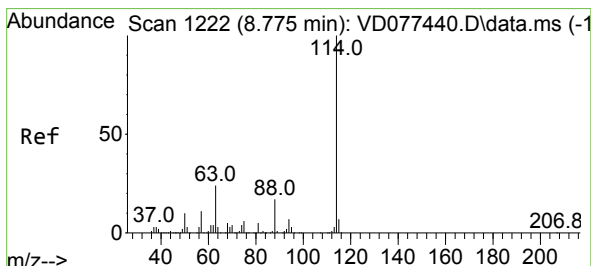
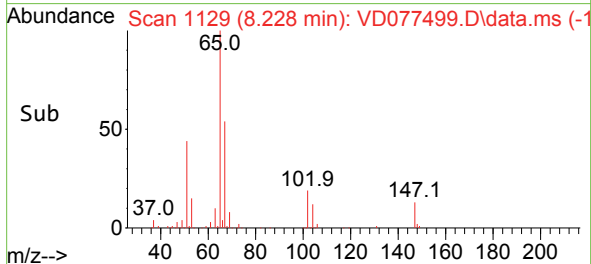
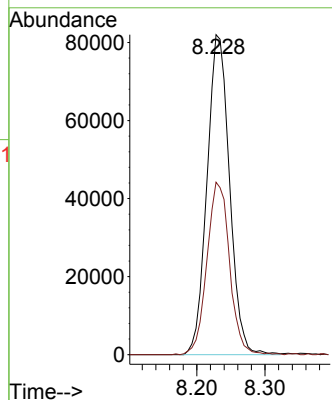
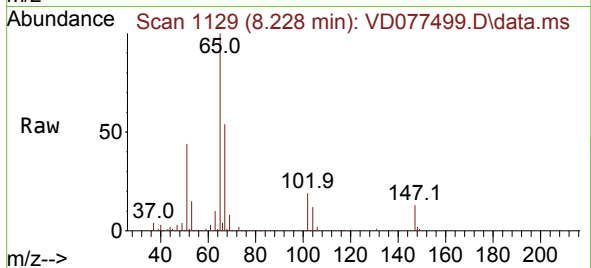
ClientSampleId :

Tgt Ion: 65 Resp: 188429

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: VD077499.D

Acq: 03 Nov 2023 17:16

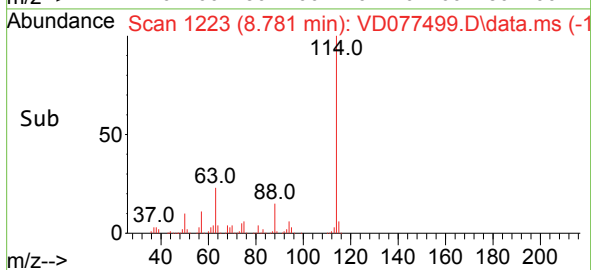
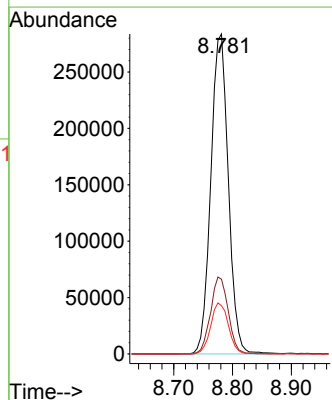
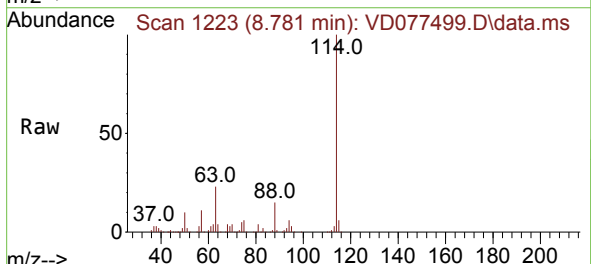
Tgt Ion: 114 Resp: 586563

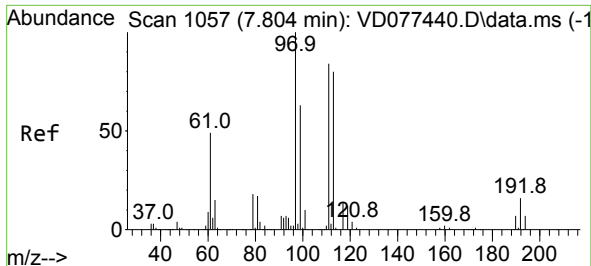
Ion Ratio Lower Upper

114 100

63 23.4 0.0 33.4

88 15.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.083 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

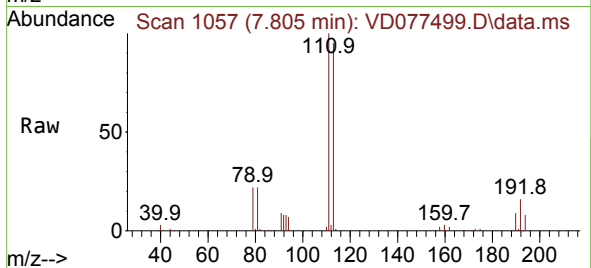
Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :



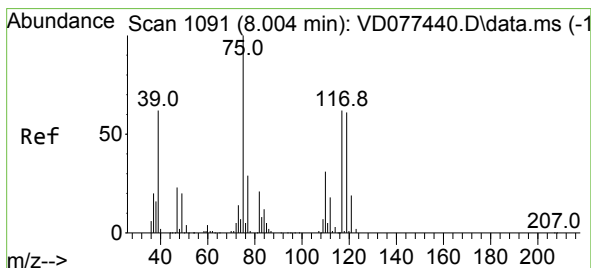
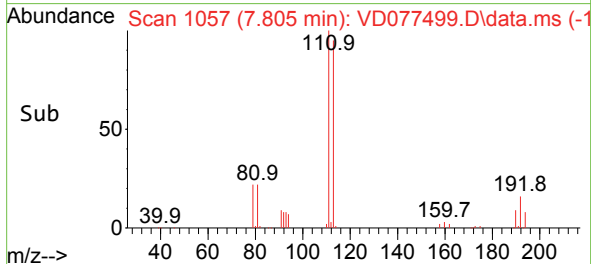
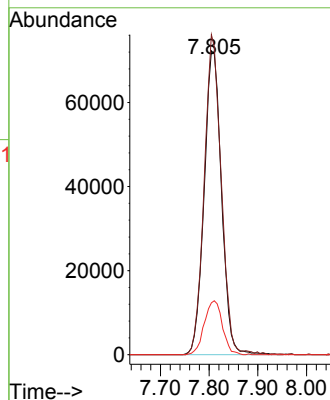
Tgt Ion:113 Resp: 178718

Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 18.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.568 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

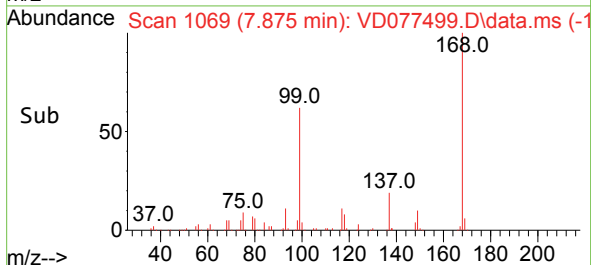
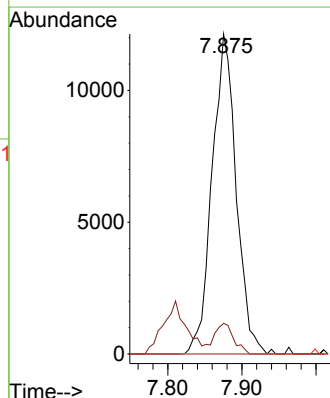
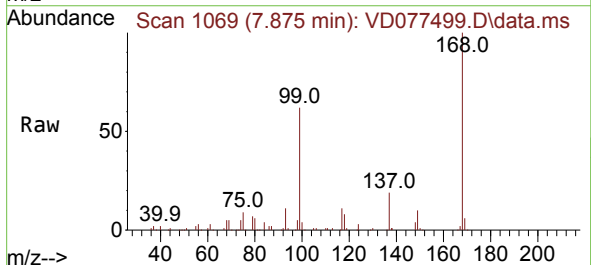
Tgt Ion: 75 Resp: 27456

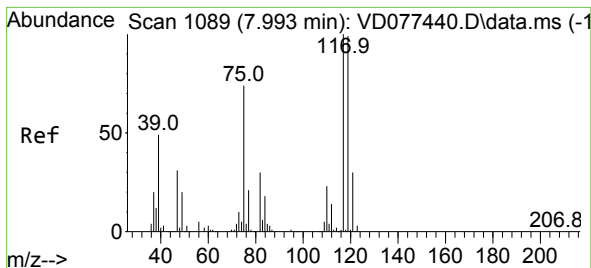
Ion Ratio Lower Upper

75 100

110 7.1 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.561 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

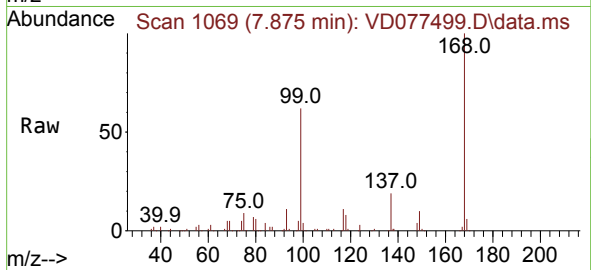
Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :



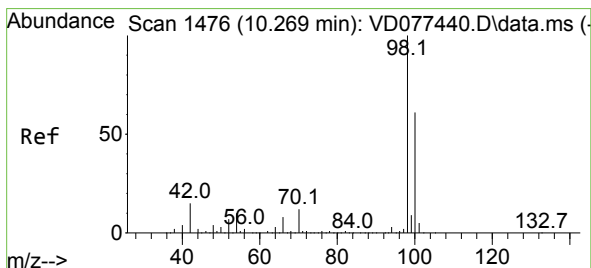
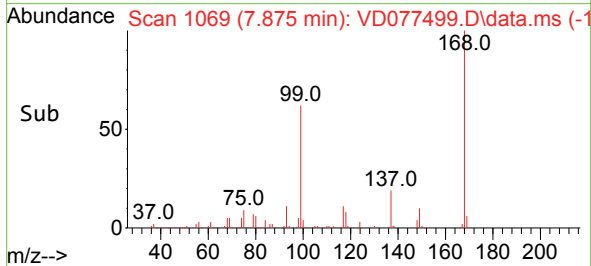
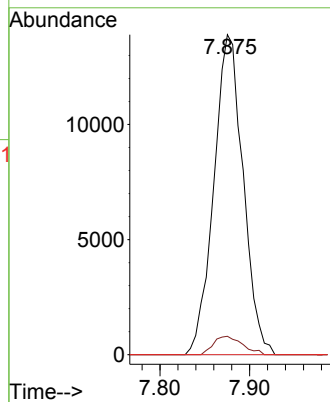
Tgt Ion:117 Resp: 31498

Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 48.399 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077499.D

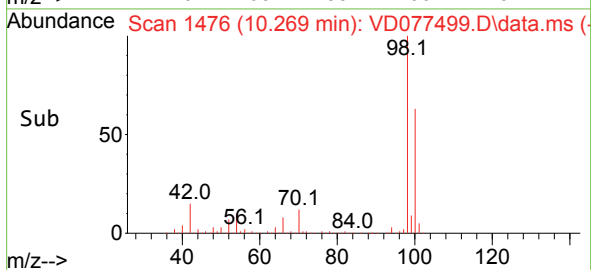
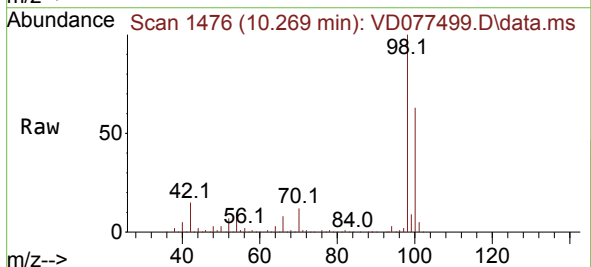
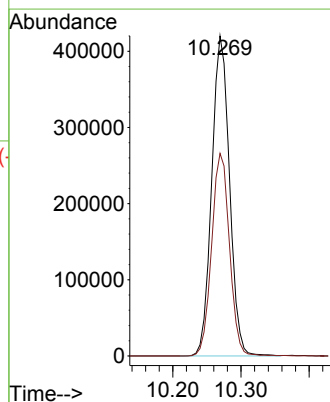
Acq: 03 Nov 2023 17:16

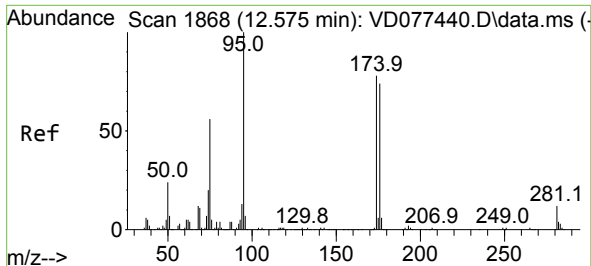
Tgt Ion: 98 Resp: 762149

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5

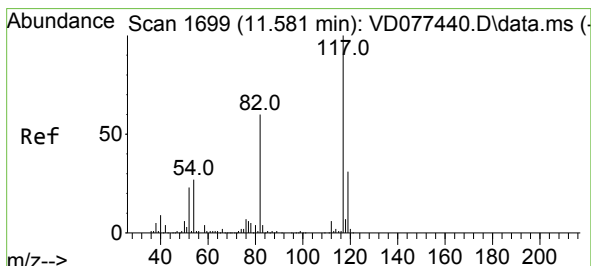
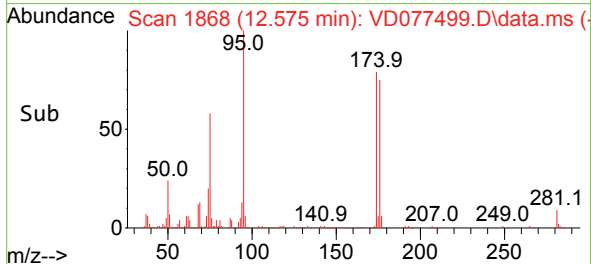
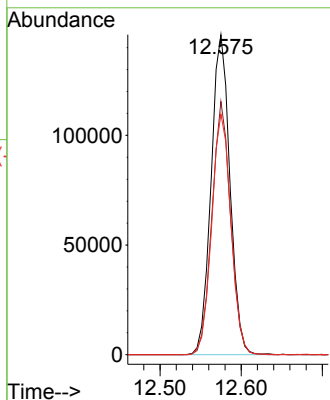
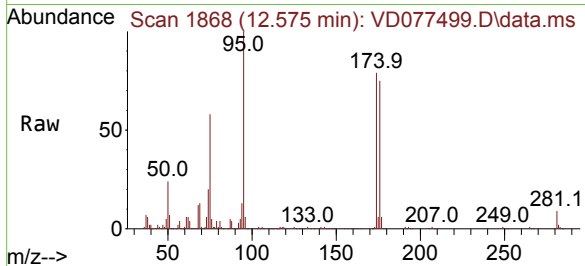




#62
4-Bromofluorobenzene
Concen: 44.410 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

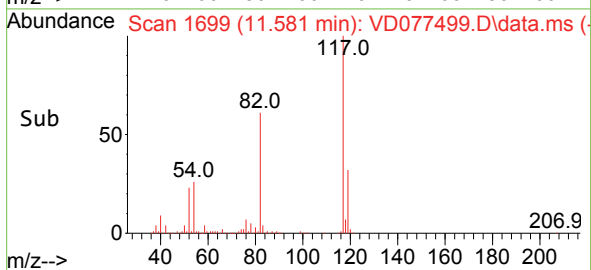
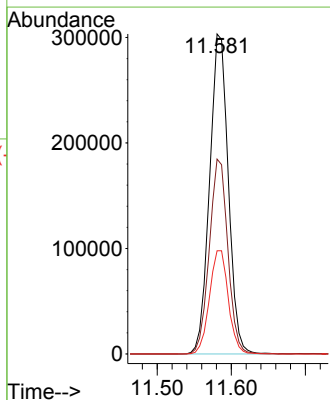
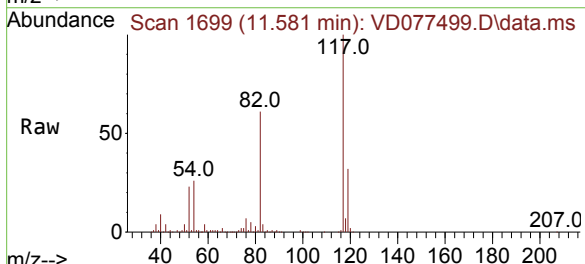
Instrument :
MSVOA_D
ClientSampleId :

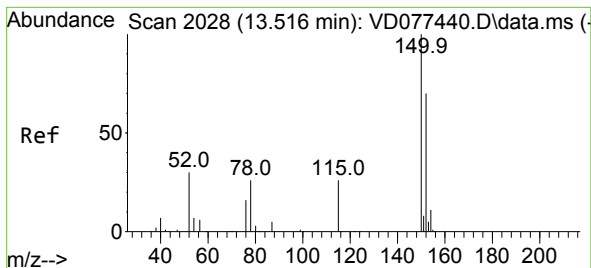
Tgt Ion: 95 Resp: 235539
Ion Ratio Lower Upper
95 100
174 78.3 0.0 201.8
176 76.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077499.D
Acq: 03 Nov 2023 17:16

Tgt Ion: 117 Resp: 530486
Ion Ratio Lower Upper
117 100
82 60.9 38.3 57.5#
119 32.3 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077499.D

Acq: 03 Nov 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :

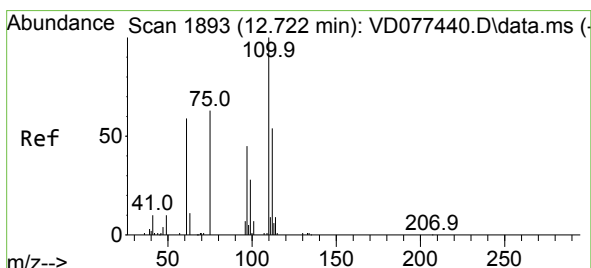
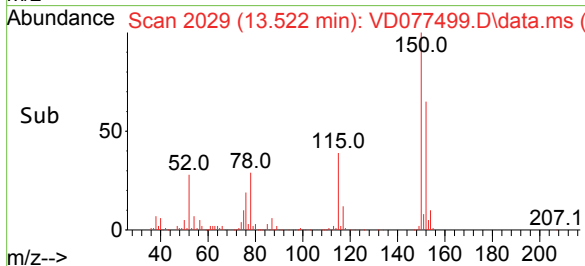
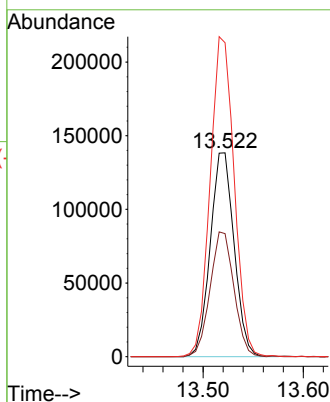
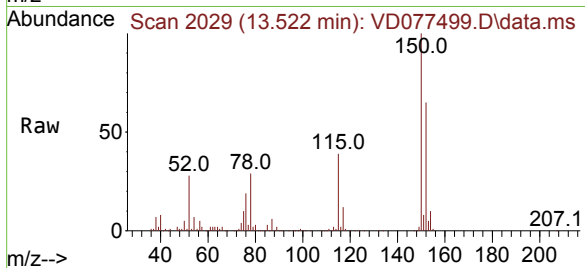
Tgt Ion:152 Resp: 228508

Ion Ratio Lower Upper

152 100

115 61.1 27.1 81.3

150 158.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 48.910 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077499.D

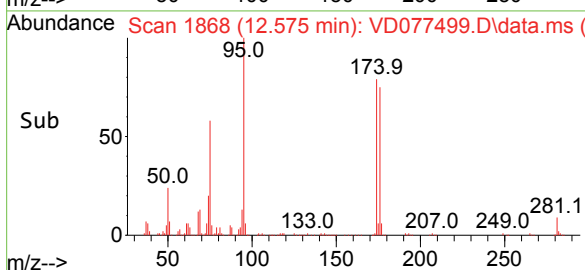
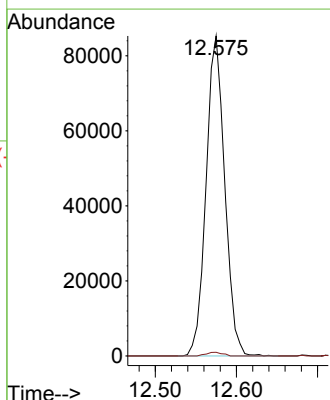
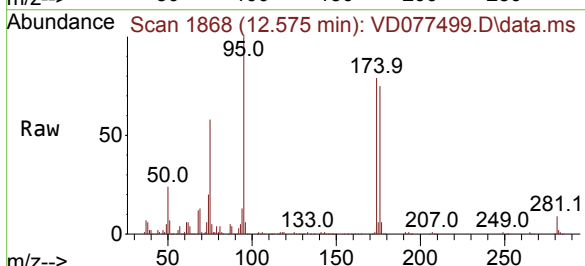
Acq: 03 Nov 2023 17:16

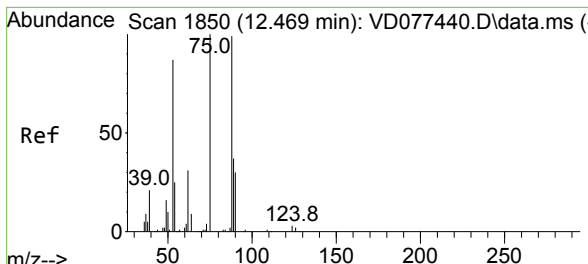
Tgt Ion: 75 Resp: 136025

Ion Ratio Lower Upper

75 100

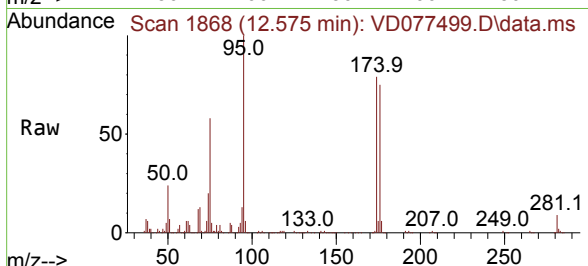
77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 94.475 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD077499.D
 Acq: 03 Nov 2023 17:16

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	136025
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.1	37.9	56.9#

