

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110323\
 Data File : VD077500.D
 Acq On : 03 Nov 2023 17:44
 Operator : JC/SY
 Sample : 05257-07
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 04 05:16:09 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)

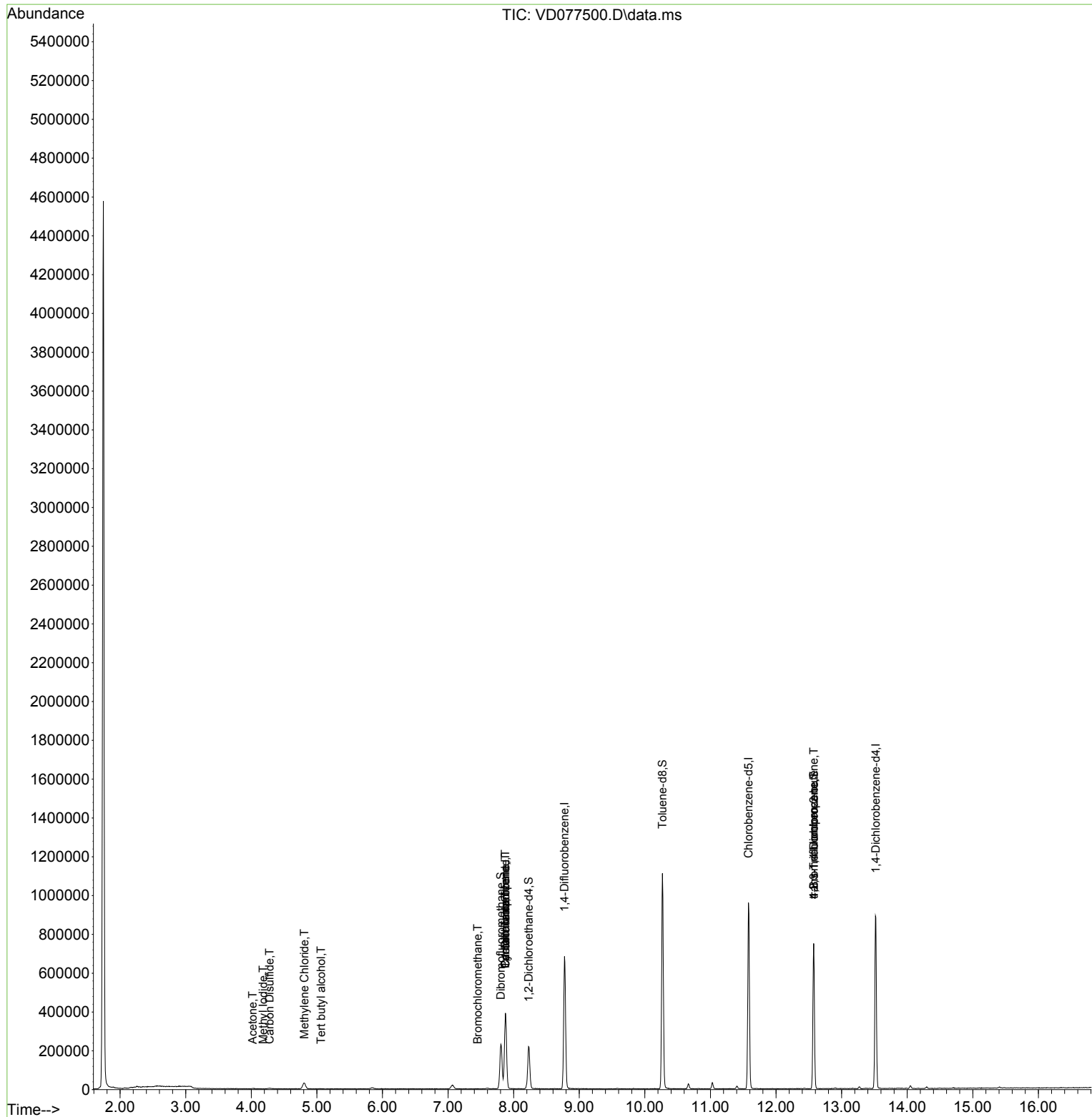
Internal Standards						
1) Pentafluorobenzene	7.875	168	280497	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	557161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	509990	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	222167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	172604	43.517	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.040%
35) Dibromofluoromethane	7.804	113	166842	43.326	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.660%
50) Toluene-d8	10.269	98	723070	48.341	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.680%
62) 4-Bromofluorobenzene	12.575	95	221765	44.019	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.040%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	57	3.162	ug/l #	46
11) Tert butyl alcohol	5.063	59	688	2.190	ug/l #	73
16) Acetone	4.022	43	1743	1.661	ug/l	91
17) Carbon Disulfide	4.281	76	2880	4.065	ug/l #	76
20) Methylene Chloride	4.810	84	20844	3.011	ug/l #	83
28) Bromochloromethane	7.451	49	61	2.123	ug/l #	1
31) Cyclohexane	7.875	56	7873	1.270	ug/l #	52
36) 1,1-Dichloropropene	7.875	75	26002	4.554	ug/l #	48
38) Carbon Tetrachloride	7.875	117	28919	5.375	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	127707	47.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	127707	91.229	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: VD077500.D

Acq: 03 Nov 2023 17:44

Instrument :

MSVOA_D

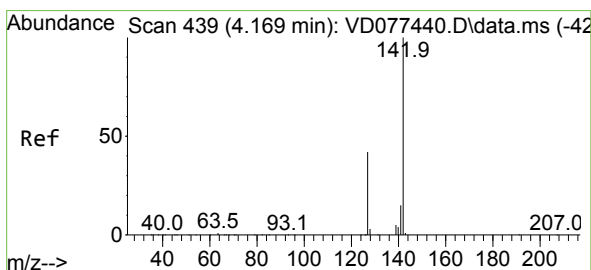
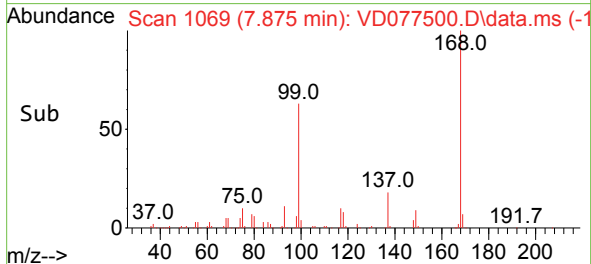
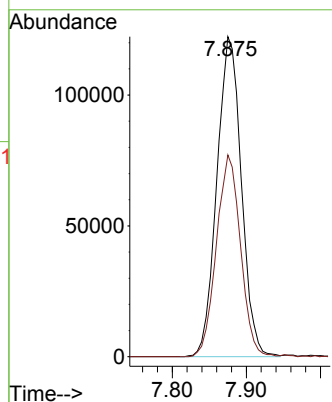
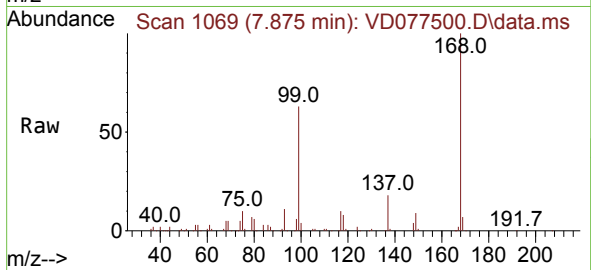
ClientSampleId :

Tgt Ion:168 Resp: 280497

Ion Ratio Lower Upper

168 100

99 63.0 36.7 55.1#



#10

Methyl Iodide

Concen: 3.162 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.012 min

Lab File: VD077500.D

Acq: 03 Nov 2023 17:44

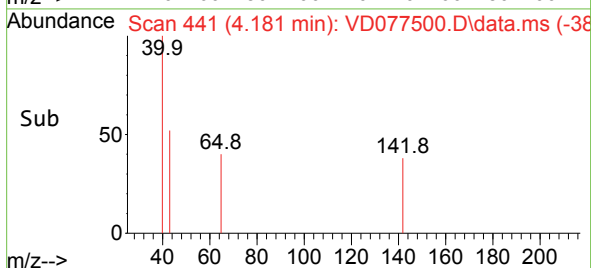
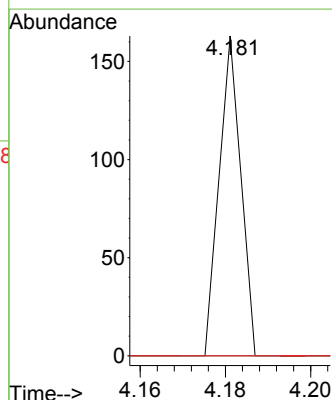
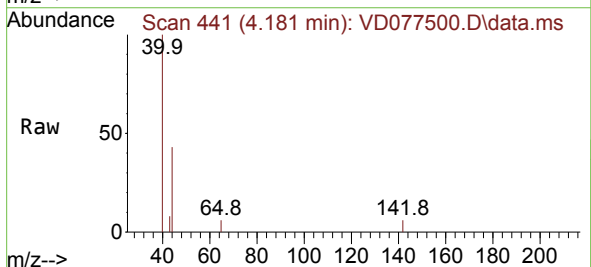
Tgt Ion:142 Resp: 57

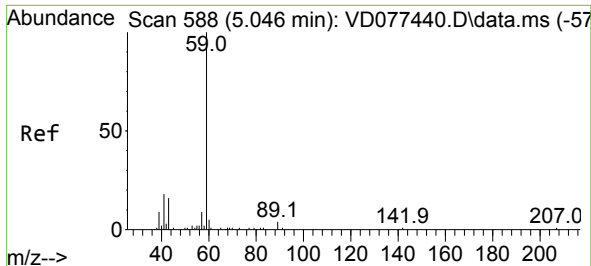
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 2.190 ug/l

RT: 5.063 min Scan# 591

Delta R.T. 0.018 min

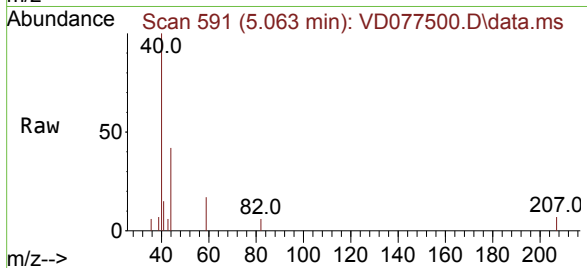
Lab File: VD077500.D

Acq: 03 Nov 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

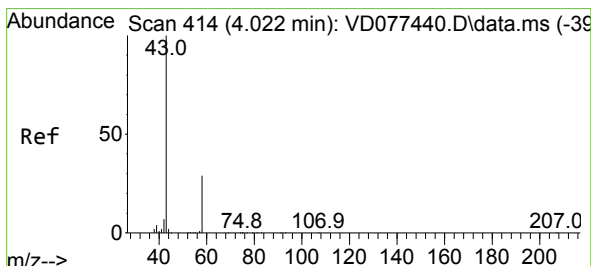
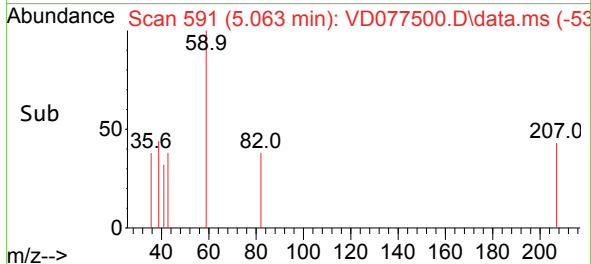
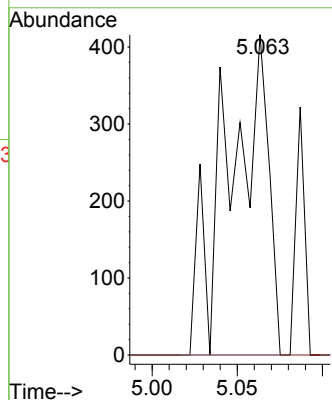


Tgt Ion: 59 Resp: 688

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 1.661 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077500.D

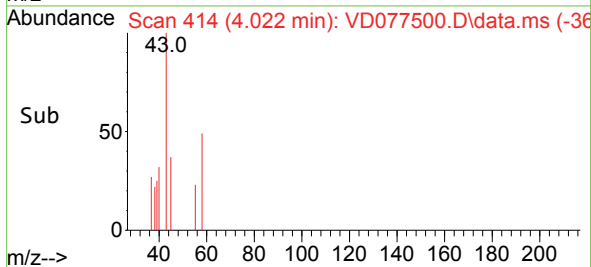
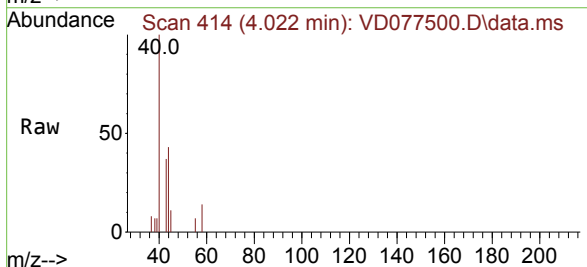
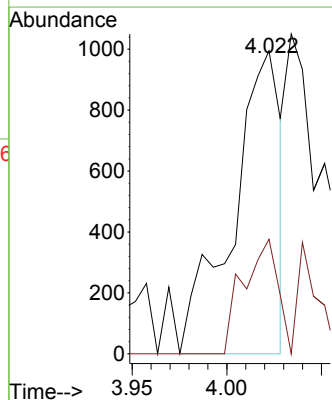
Acq: 03 Nov 2023 17:44

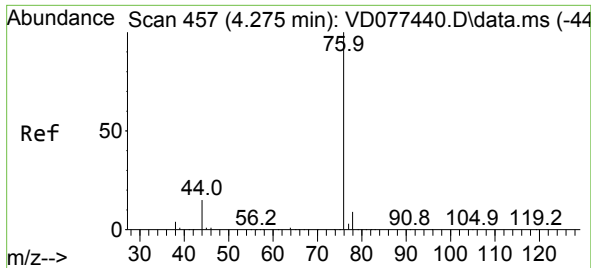
Tgt Ion: 43 Resp: 1743

Ion Ratio Lower Upper

43 100

58 37.8 34.7 52.1

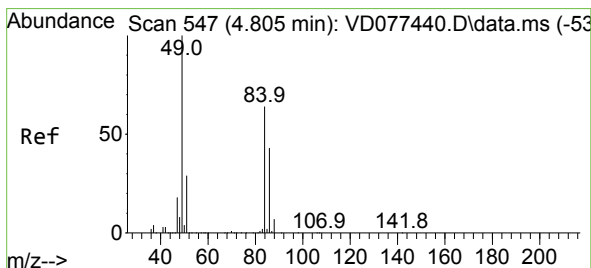
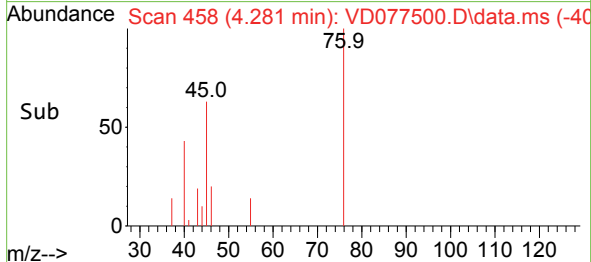
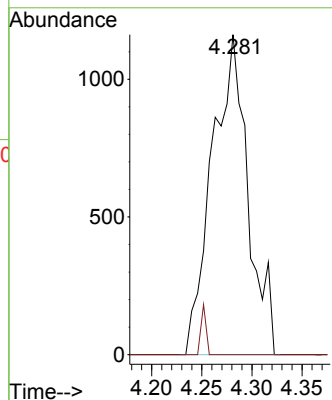
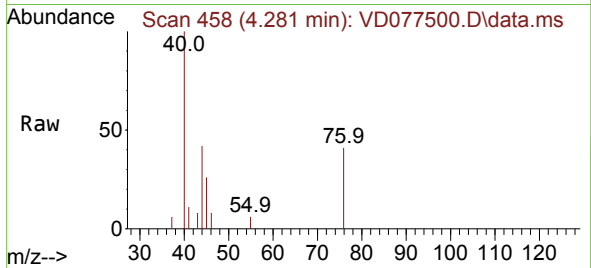




#17
Carbon Disulfide
Concen: 4.065 ug/l
RT: 4.281 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

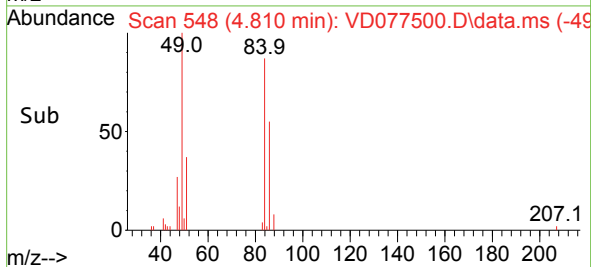
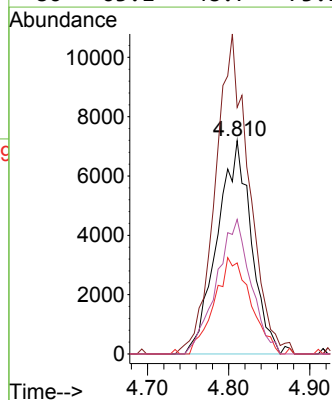
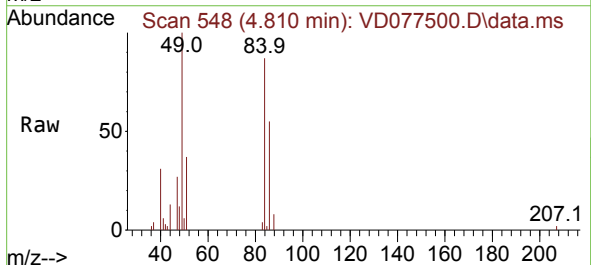
Instrument :
MSVOA_D
ClientSampleId :

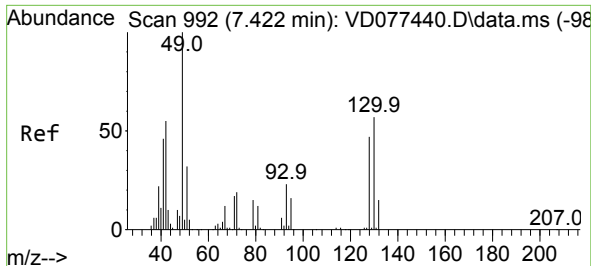
Tgt Ion: 76 Resp: 2880
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 3.011 ug/l
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

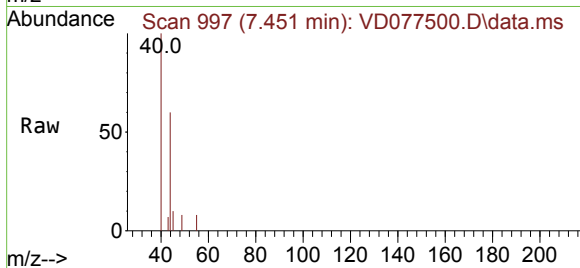
Tgt Ion: 84 Resp: 20844
Ion Ratio Lower Upper
84 100
49 113.3 71.4 107.2#
51 42.7 24.5 36.7#
86 63.1 48.7 73.1



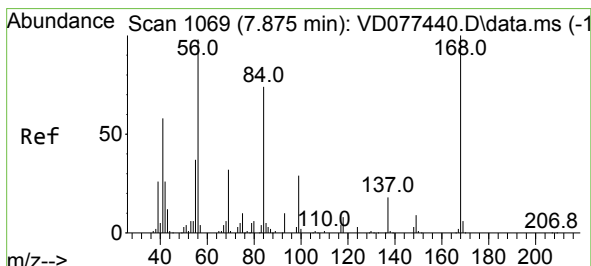
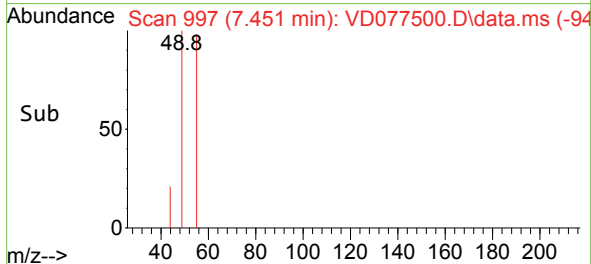
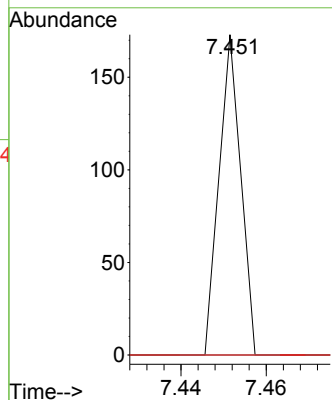


#28
Bromochloromethane
Concen: 2.123 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.029 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :

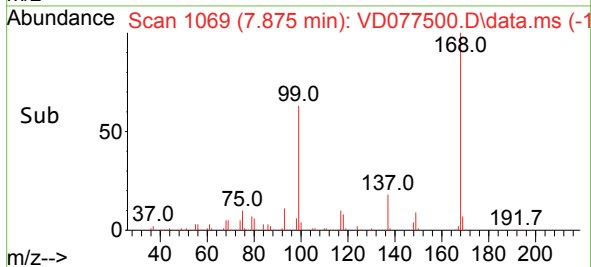
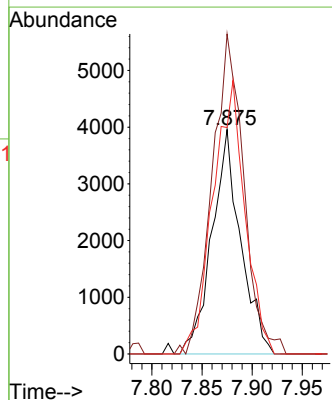
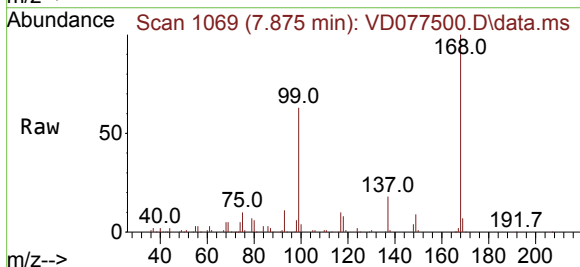


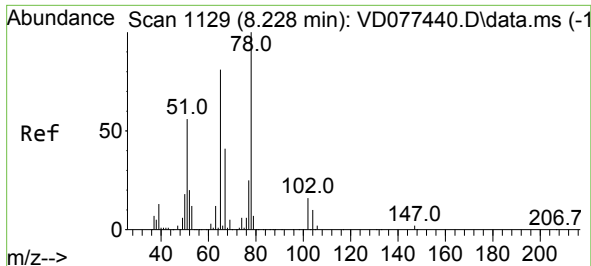
Tgt Ion: 49 Resp: 61
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Tgt Ion: 56 Resp: 7873
Ion Ratio Lower Upper
56 100
69 138.6 28.6 43.0#
84 100.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 43.517 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD077500.D

Acq: 03 Nov 2023 17:44

Instrument :

MSVOA_D

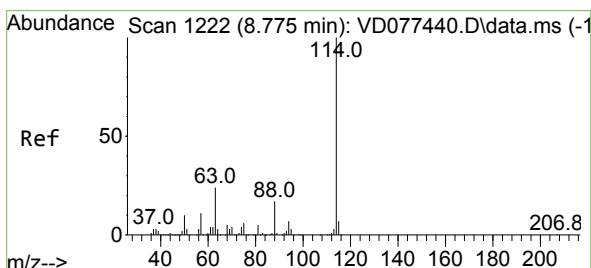
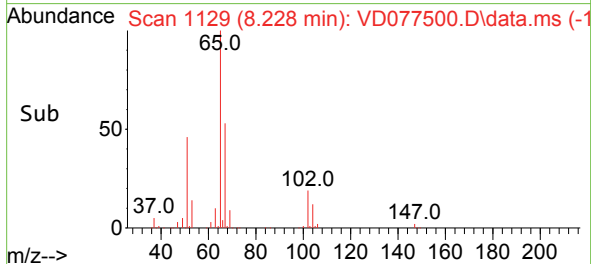
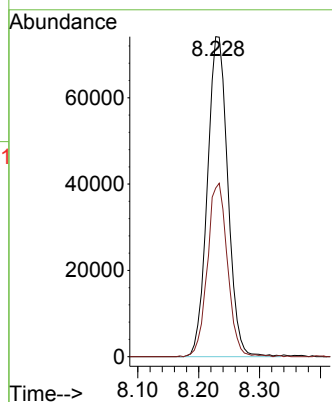
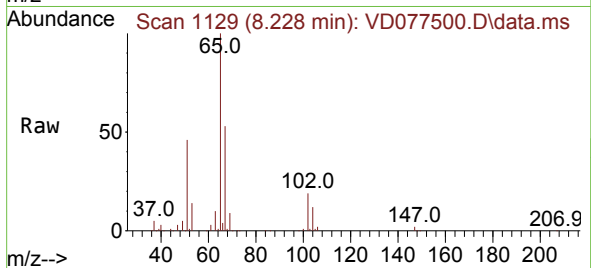
ClientSampleId :

Tgt Ion: 65 Resp: 172604

Ion Ratio Lower Upper

65 100

67 53.4 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: VD077500.D

Acq: 03 Nov 2023 17:44

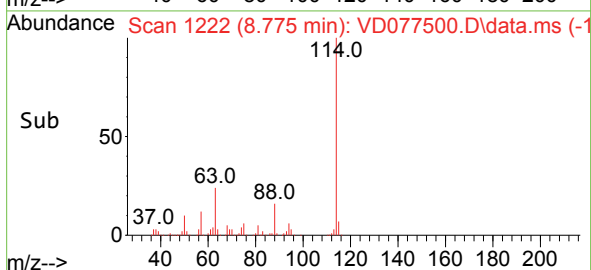
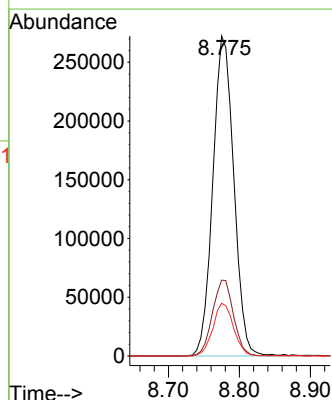
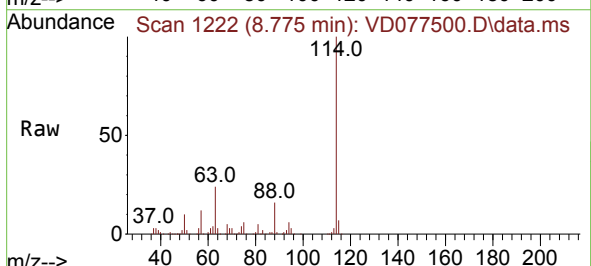
Tgt Ion: 114 Resp: 557161

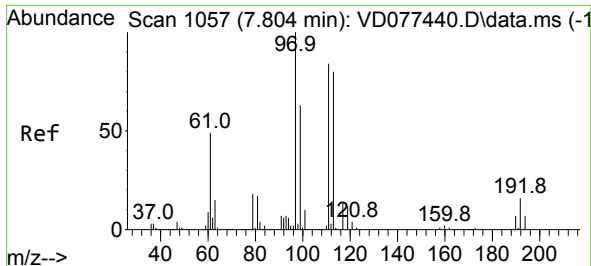
Ion Ratio Lower Upper

114 100

63 23.7 0.0 33.4

88 16.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 43.326 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.000 min

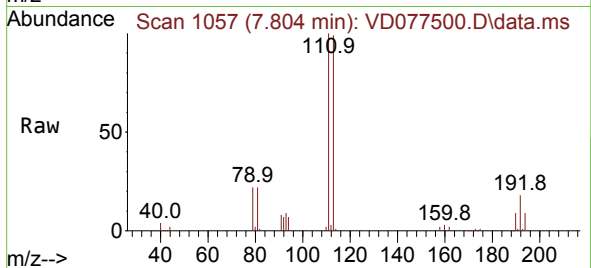
Lab File: VD077500.D

Acq: 03 Nov 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :



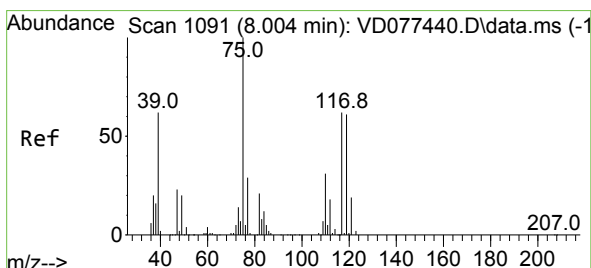
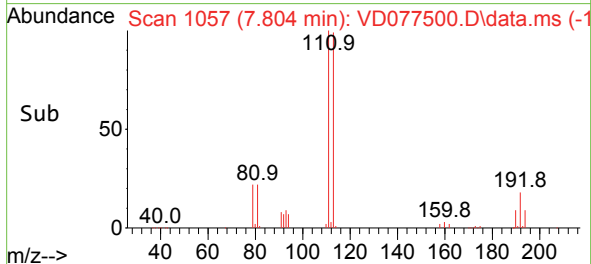
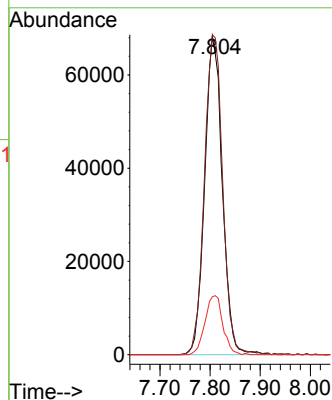
Tgt Ion:113 Resp: 166842

Ion Ratio Lower Upper

113 100

111 104.2 84.7 127.1

192 18.7 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.554 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077500.D

Acq: 03 Nov 2023 17:44

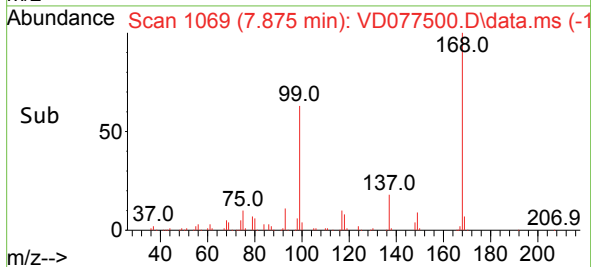
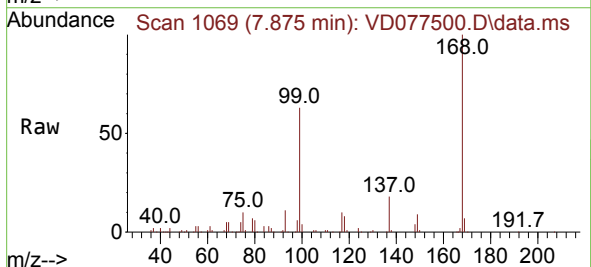
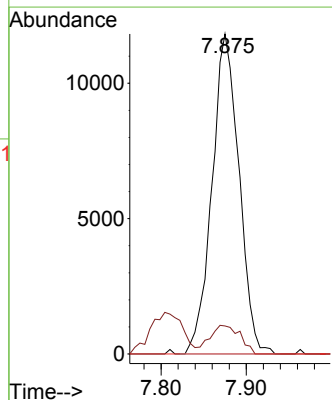
Tgt Ion: 75 Resp: 26002

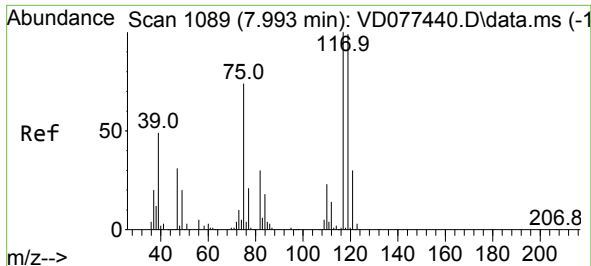
Ion Ratio Lower Upper

75 100

110 10.1 19.9 59.6#

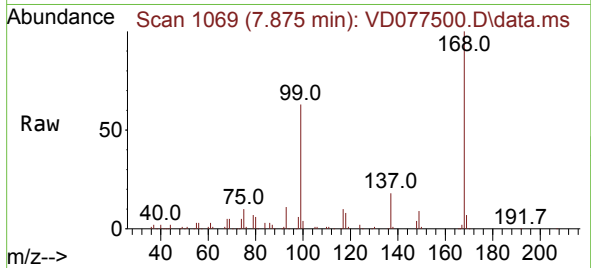
77 0.0 24.7 37.1#



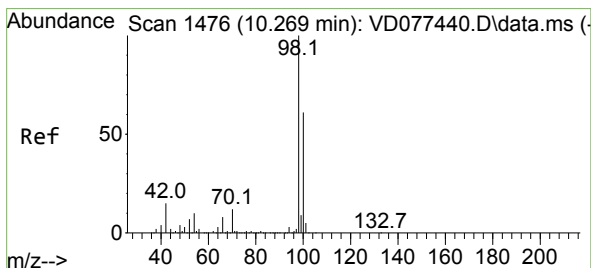
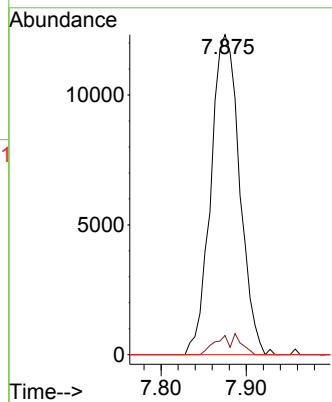
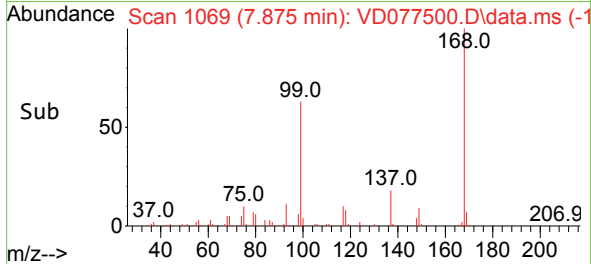


#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :

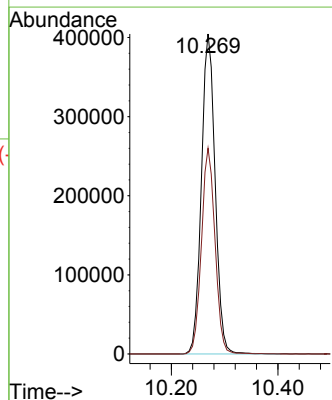
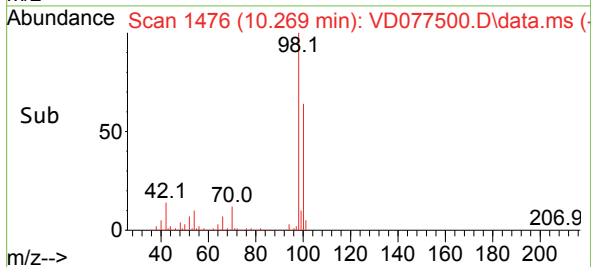
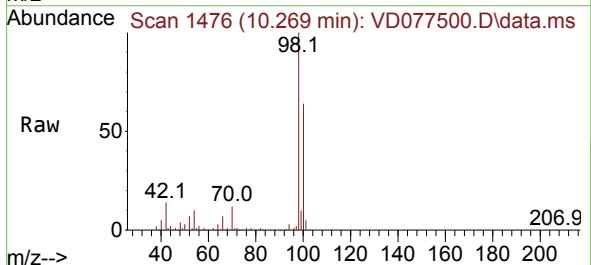


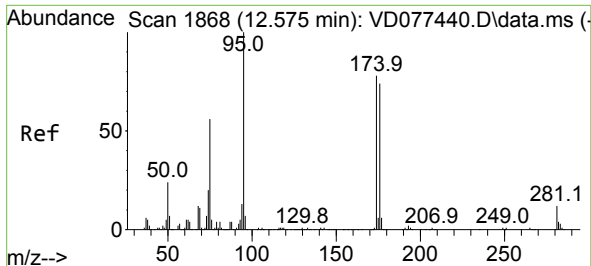
Tgt Ion:117 Resp: 28919
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.341 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Tgt Ion: 98 Resp: 723070
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5

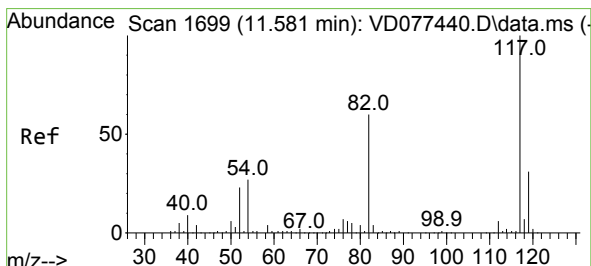
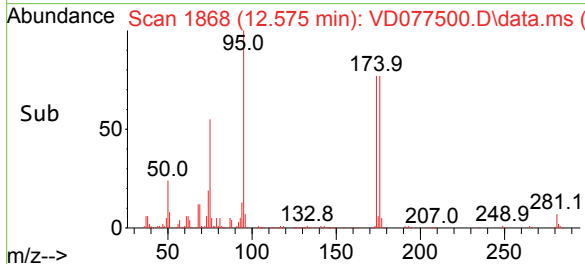
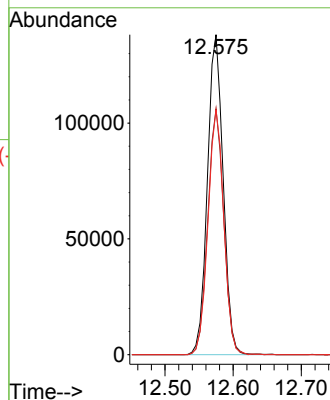
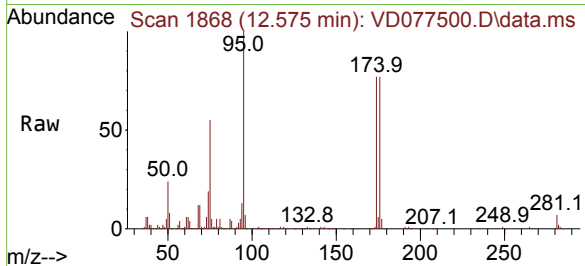




#62
4-Bromofluorobenzene
Concen: 44.019 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

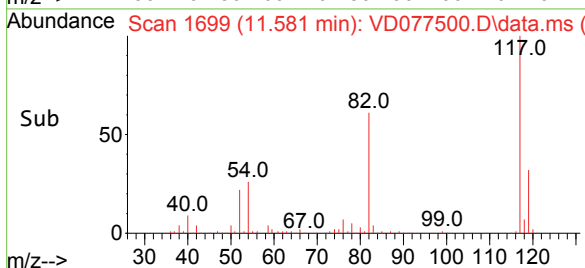
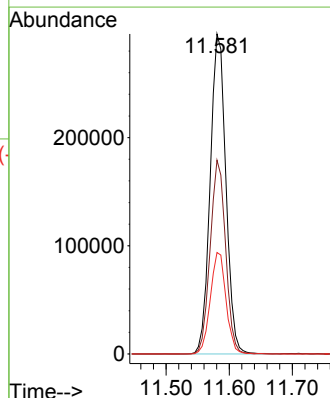
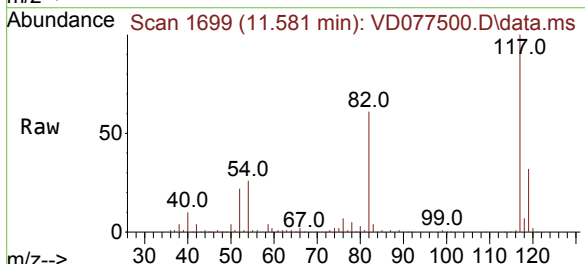
Instrument :
MSVOA_D
ClientSampleId :

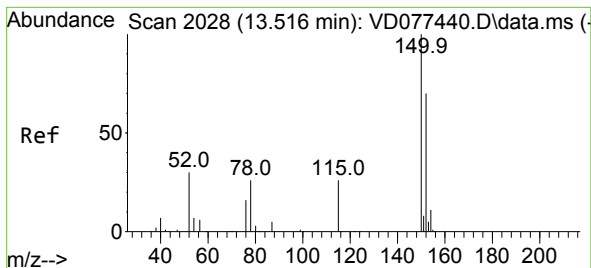
Tgt Ion: 95 Resp: 221765
Ion Ratio Lower Upper
95 100
174 77.5 0.0 201.8
176 76.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Tgt Ion: 117 Resp: 509990
Ion Ratio Lower Upper
117 100
82 60.6 38.3 57.5#
119 31.7 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: VD077500.D

Acq: 03 Nov 2023 17:44

Instrument :

MSVOA_D

ClientSampleId :

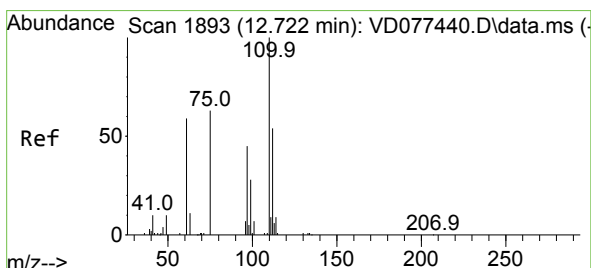
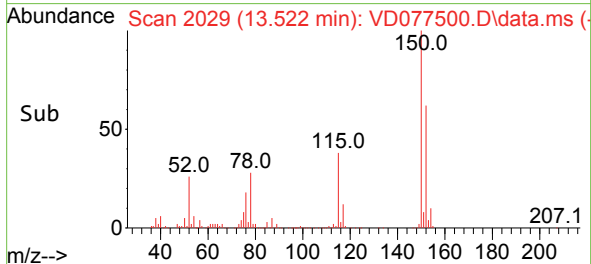
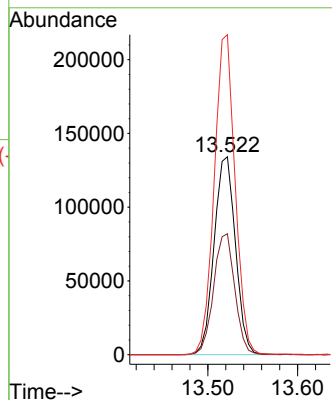
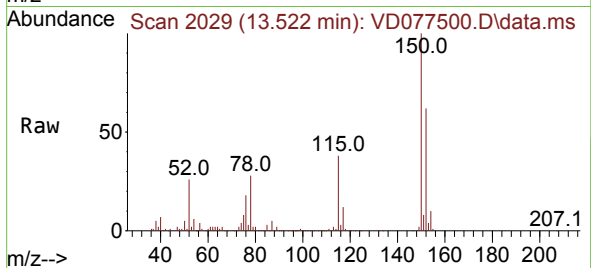
Tgt Ion:152 Resp: 222167

Ion Ratio Lower Upper

152 100

115 60.8 27.1 81.3

150 158.0 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 47.229 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077500.D

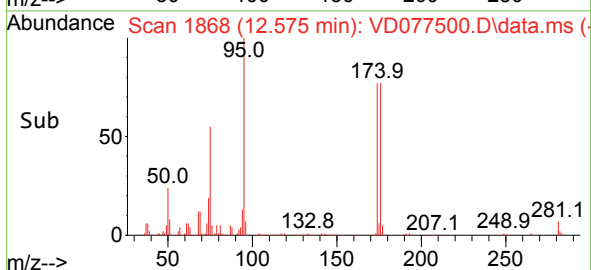
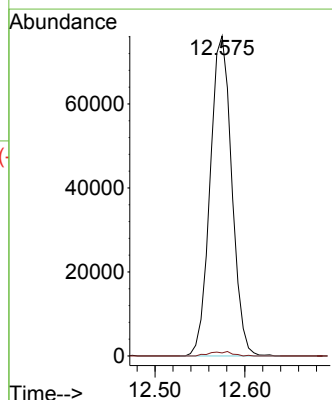
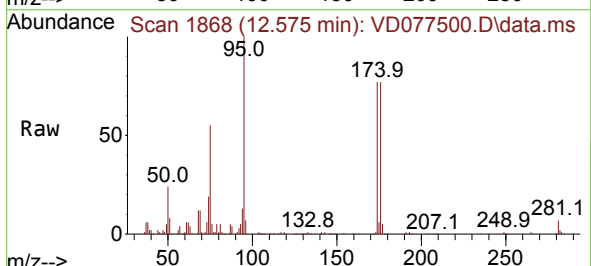
Acq: 03 Nov 2023 17:44

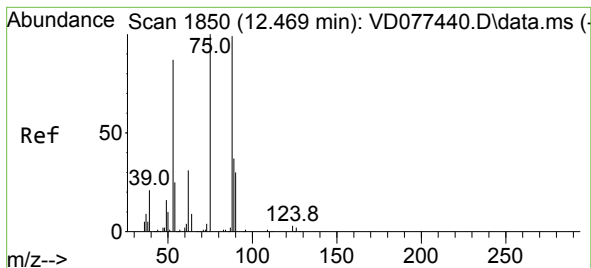
Tgt Ion: 75 Resp: 127707

Ion Ratio Lower Upper

75 100

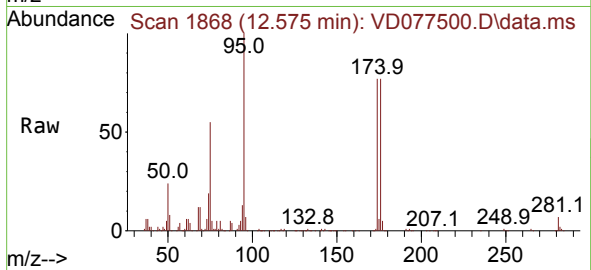
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 91.229 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD077500.D
Acq: 03 Nov 2023 17:44

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 127707
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#

