

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110623\
 Data File : VD077505.D
 Acq On : 06 Nov 2023 10:56
 Operator : JC/SY
 Sample : VD1106SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 07 02:07:47 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)

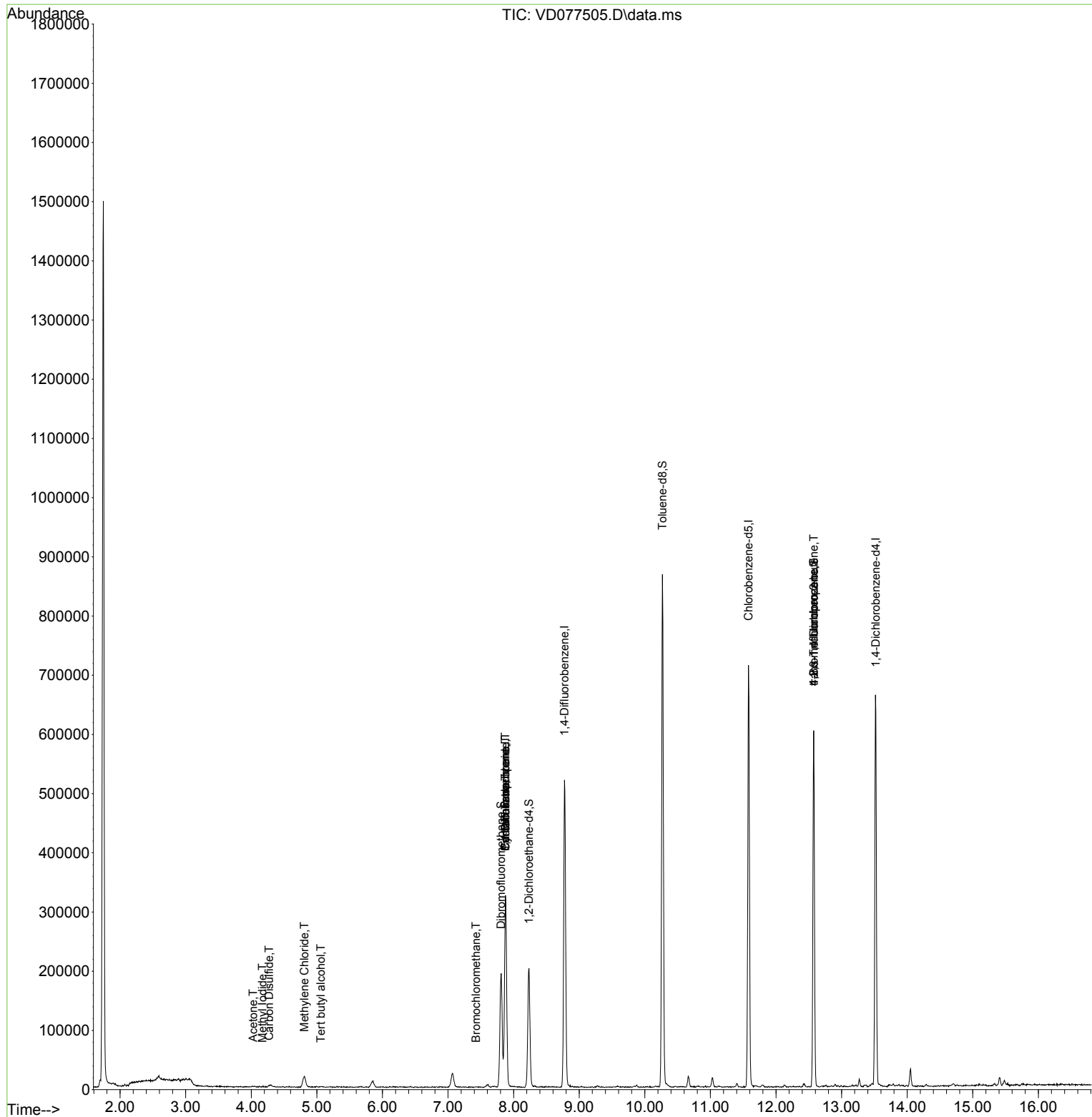
Internal Standards						
1) Pentafluorobenzene	7.875	168	237495	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	425893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	380343	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	165848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	158299	47.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.280%		
35) Dibromofluoromethane	7.810	113	138998	47.220	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.440%		
50) Toluene-d8	10.269	98	573057	50.120	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	100.240%		
62) 4-Bromofluorobenzene	12.575	95	175940	45.687	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	91.380%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.170	142	492	3.294	ug/l #	63
11) Tert butyl alcohol	5.058	59	420	1.579	ug/l #	73
16) Acetone	4.028	43	2931	3.298	ug/l #	32
17) Carbon Disulfide	4.269	76	367	3.803	ug/l #	76
20) Methylene Chloride	4.811	84	11920	1.209	ug/l #	67
28) Bromochloromethane	7.428	49	163	2.160	ug/l #	1
31) Cyclohexane	7.875	56	6925	1.319	ug/l #	27
36) 1,1-Dichloropropene	7.875	75	21740	4.981	ug/l #	47
38) Carbon Tetrachloride	7.875	117	24502	5.958	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	99328	49.208	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	99328	95.052	ug/l #	17

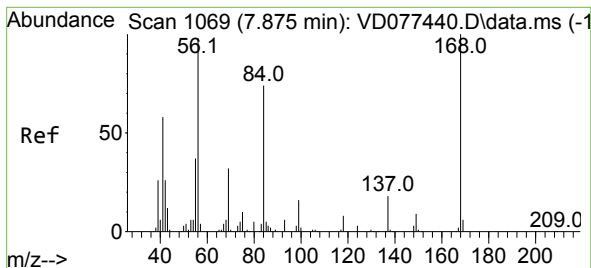
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 07 02:07:47 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# 1069

Delta R.T. 0.000 min

Lab File: VD077505.D

Acq: 06 Nov 2023 10:56

Instrument :

MSVOA_D

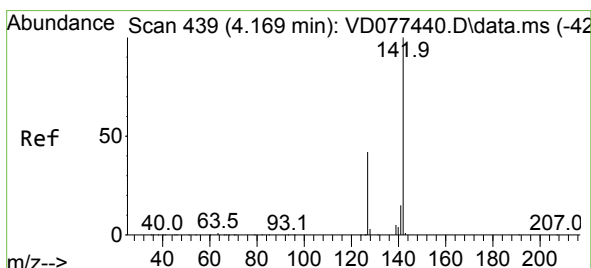
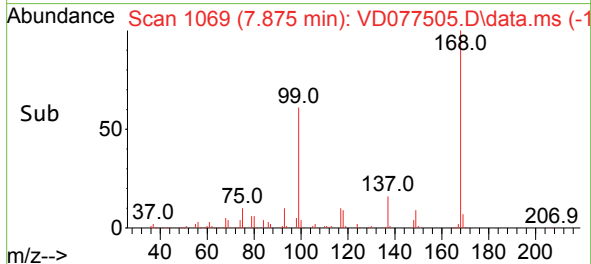
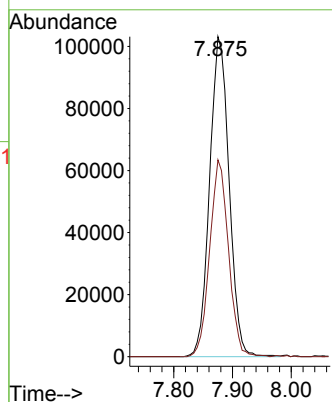
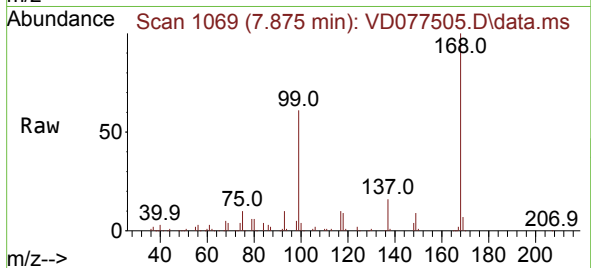
ClientSampleId :

Tgt Ion:168 Resp: 237495

Ion Ratio Lower Upper

168 100

99 61.5 36.7 55.1#



#10

Methyl Iodide

Concen: 3.294 ug/l

RT: 4.170 min Scan# 439

Delta R.T. 0.001 min

Lab File: VD077505.D

Acq: 06 Nov 2023 10:56

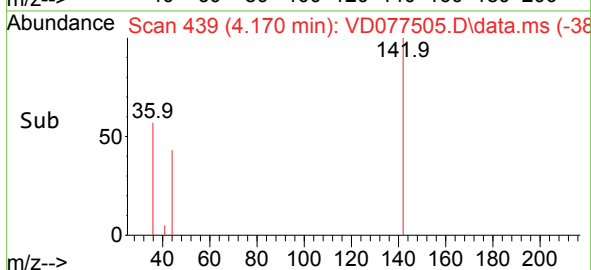
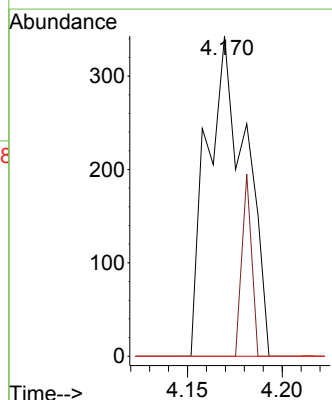
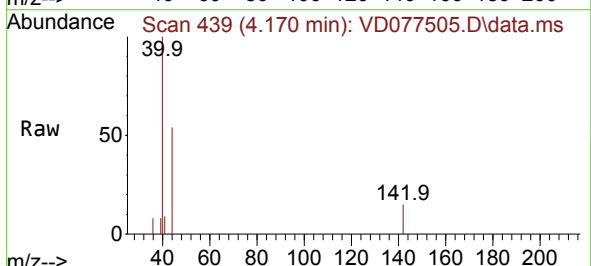
Tgt Ion:142 Resp: 492

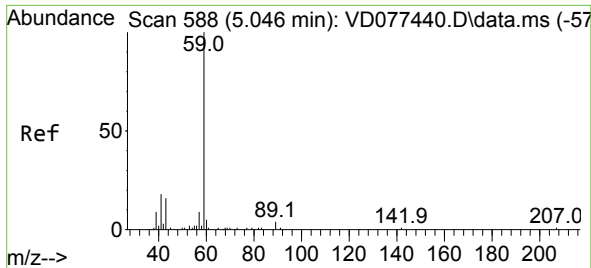
Ion Ratio Lower Upper

142 100

127 14.0 29.4 44.0#

141 0.0 11.1 16.7#

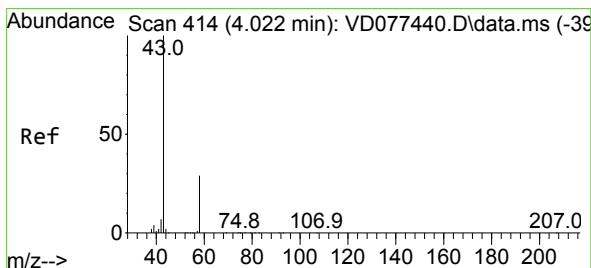
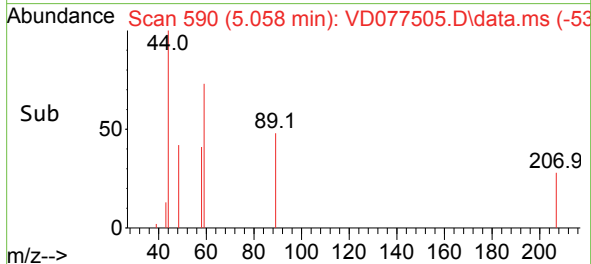
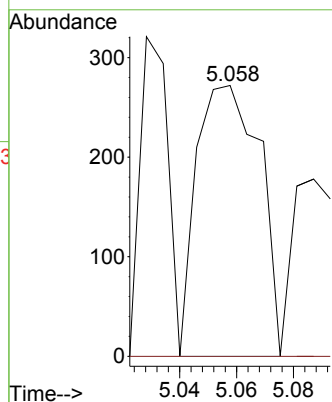
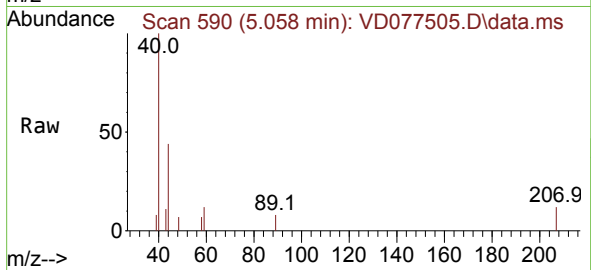




#11
Tert butyl alcohol
Concen: 1.579 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.012 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

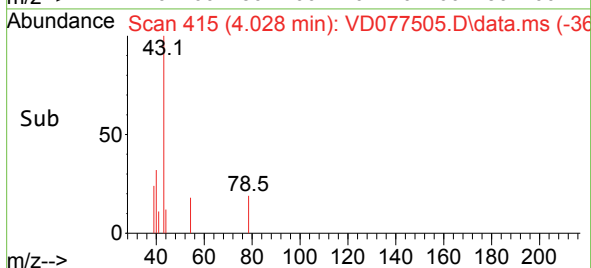
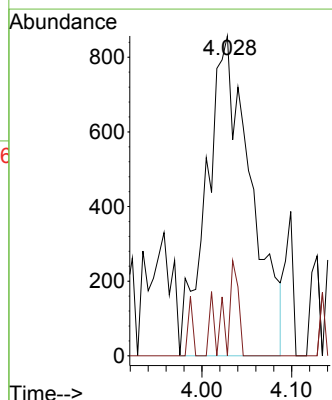
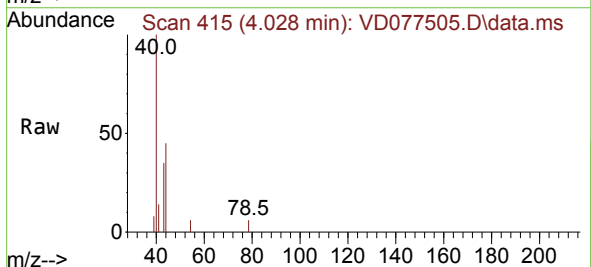
Instrument :
MSVOA_D
ClientSampleId :

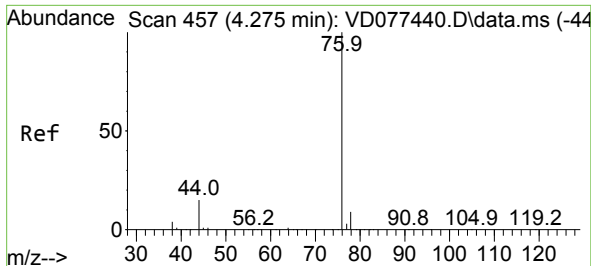
Tgt Ion: 59 Resp: 420
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 3.298 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Tgt Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

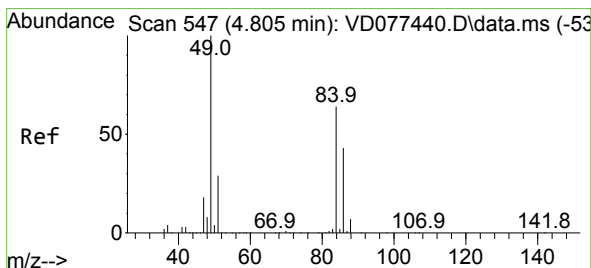
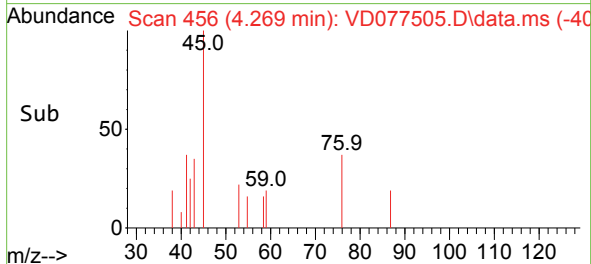
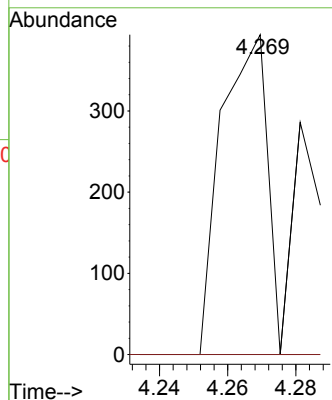
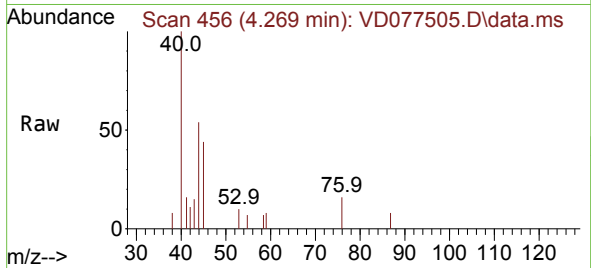




#17
Carbon Disulfide
Concen: 3.803 ug/l
RT: 4.269 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

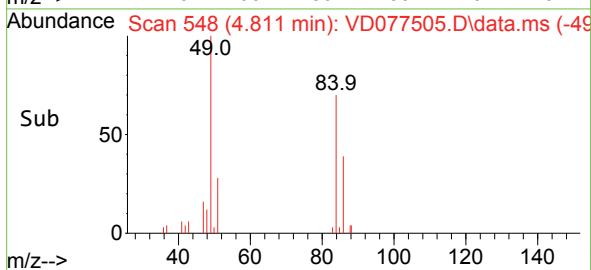
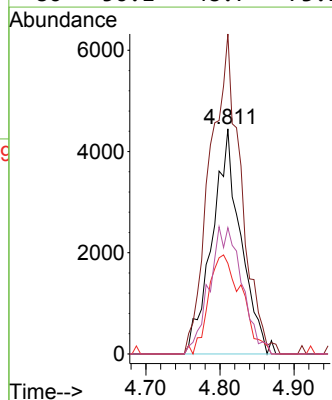
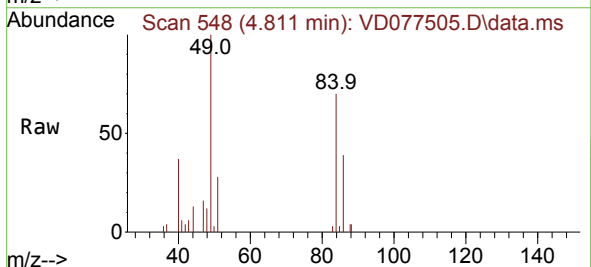
Instrument :
MSVOA_D
ClientSampleId :

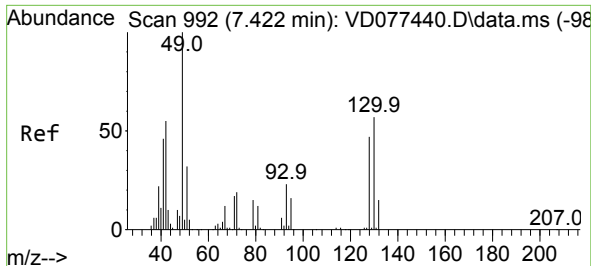
Tgt Ion: 76 Resp: 367
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 1.209 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

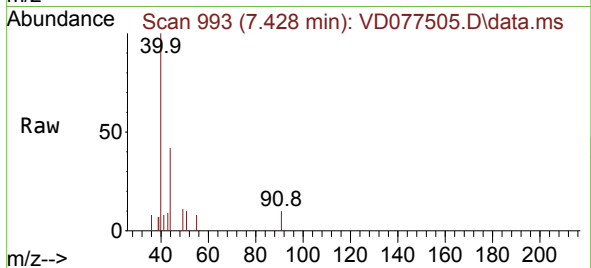
Tgt Ion: 84 Resp: 11920
Ion Ratio Lower Upper
84 100
49 142.2 71.4 107.2#
51 40.3 24.5 36.7#
86 56.1 48.7 73.1



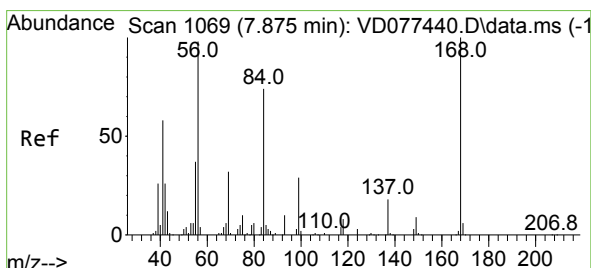
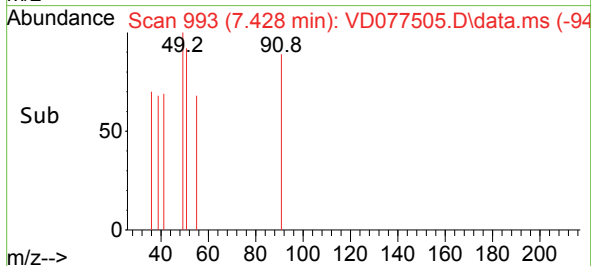
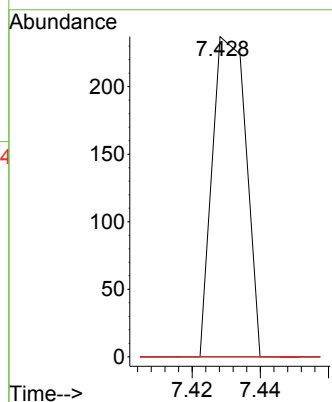


#28
Bromochloromethane
Concen: 2.160 ug/l
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Instrument :
MSVOA_D
ClientSampleId :

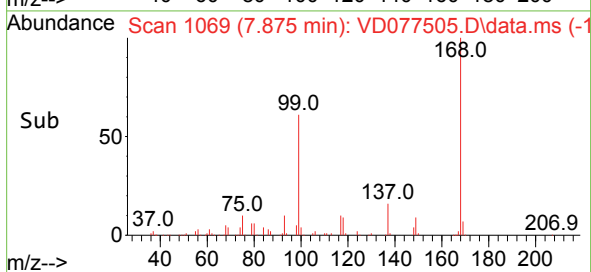
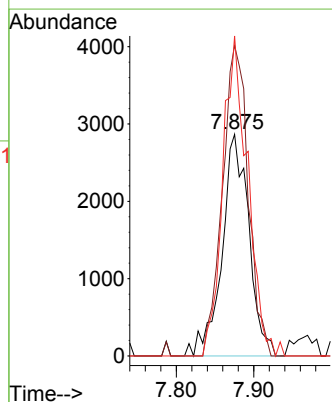
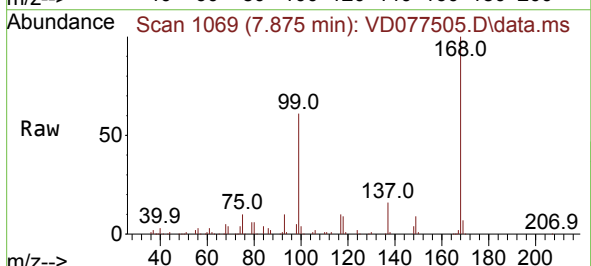


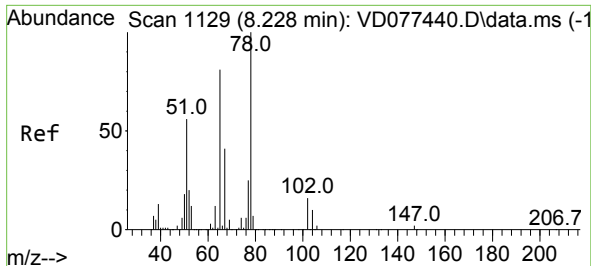
Tgt Ion: 49 Resp: 163
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Tgt Ion: 56 Resp: 6925
Ion Ratio Lower Upper
56 100
69 140.0 28.6 43.0#
84 144.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 47.137 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077505.D

Acq: 06 Nov 2023 10:56

Instrument :

MSVOA_D

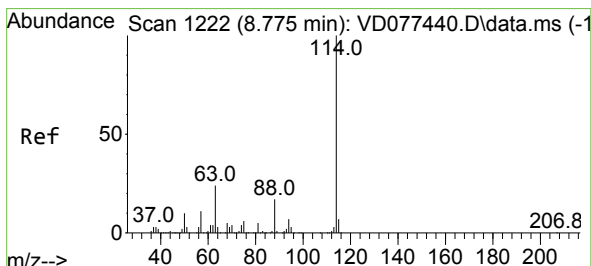
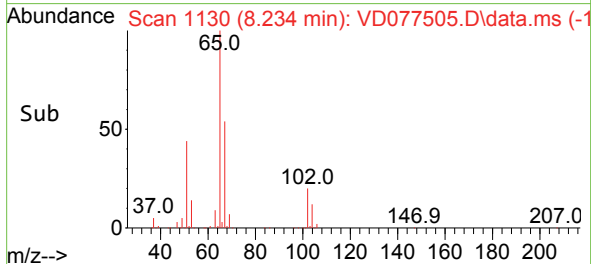
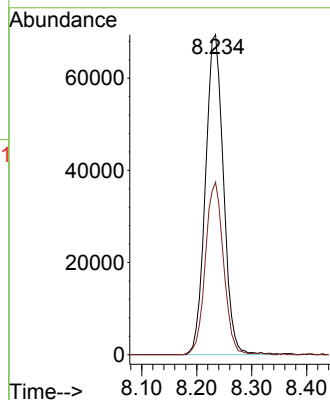
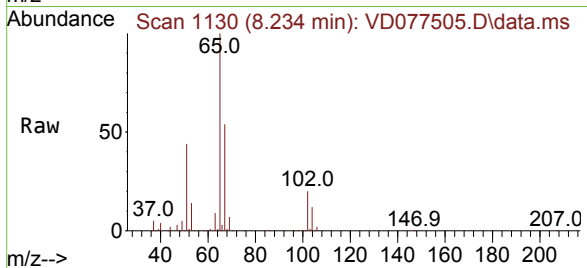
ClientSampleId :

Tgt Ion: 65 Resp: 158299

Ion Ratio Lower Upper

65 100

67 54.1 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: VD077505.D

Acq: 06 Nov 2023 10:56

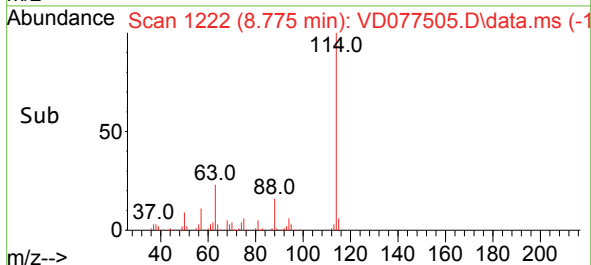
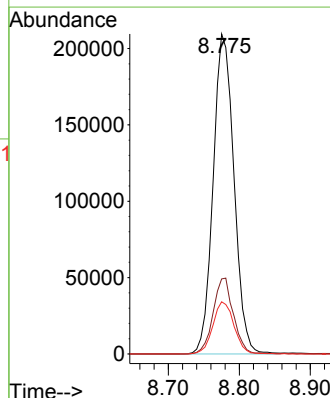
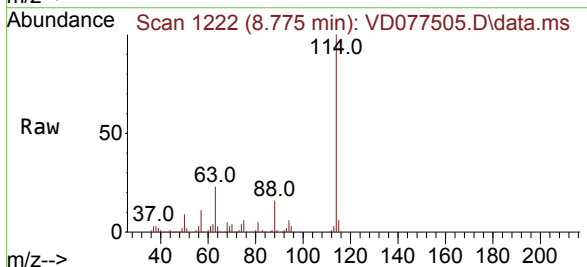
Tgt Ion: 114 Resp: 425893

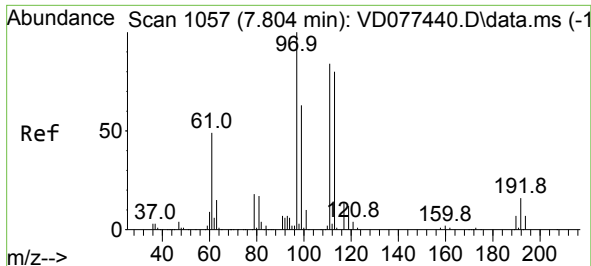
Ion Ratio Lower Upper

114 100

63 23.5 0.0 33.4

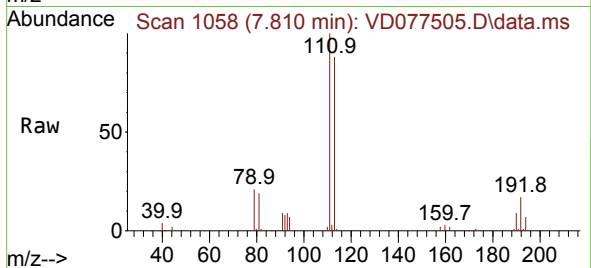
88 16.3 0.0 26.2



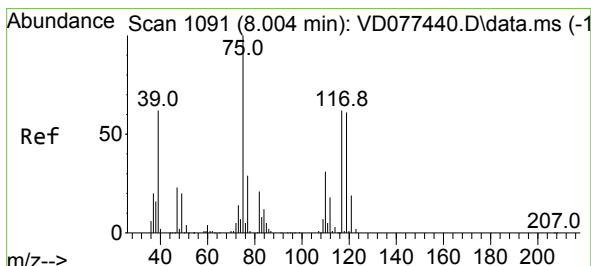
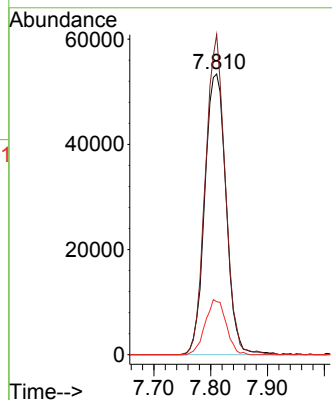
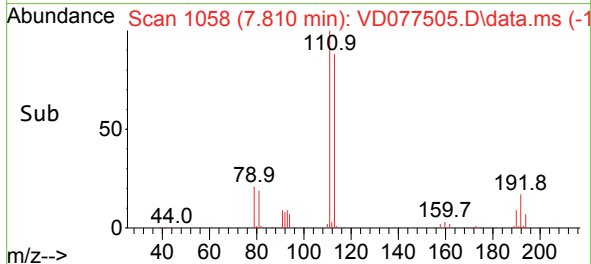


#35
Dibromofluoromethane
Concen: 47.220 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Instrument :
MSVOA_D
ClientSampleId :

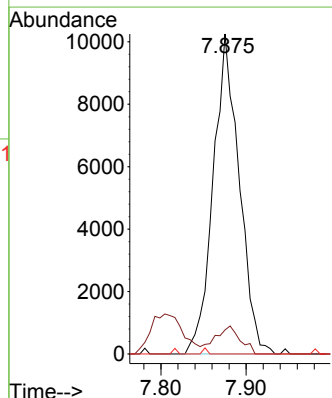
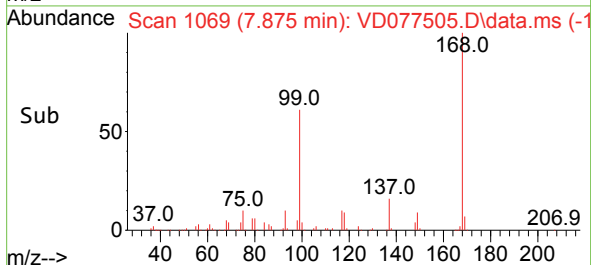
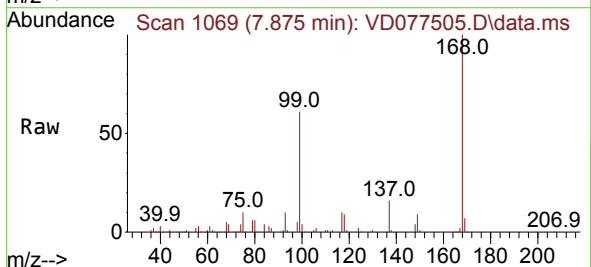


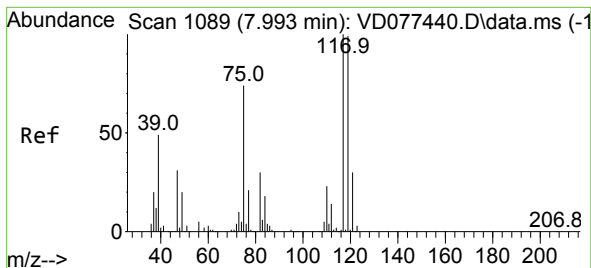
Tgt Ion:113 Resp: 138998
Ion Ratio Lower Upper
113 100
111 106.0 84.7 127.1
192 19.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.981 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Tgt Ion: 75 Resp: 21740
Ion Ratio Lower Upper
75 100
110 8.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.958 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.117 min

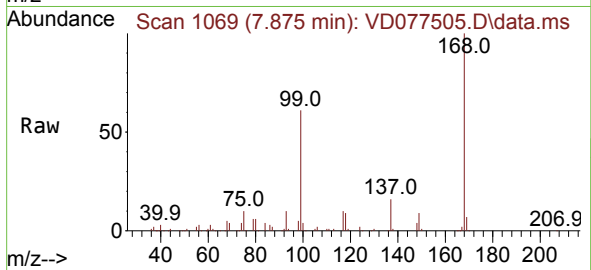
Lab File: VD077505.D

Acq: 06 Nov 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :



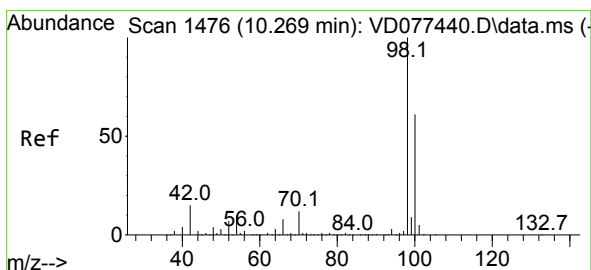
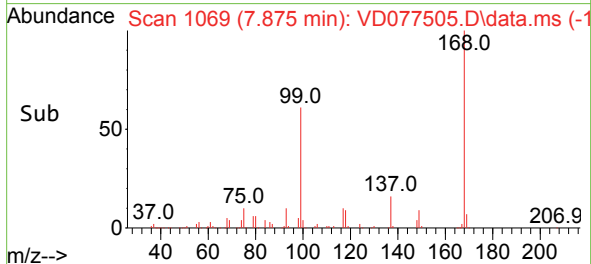
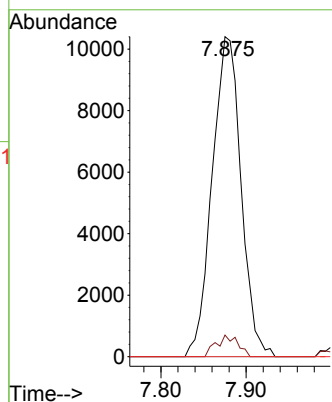
Tgt Ion:117 Resp: 24502

Ion Ratio Lower Upper

117 100

119 6.7 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 50.120 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077505.D

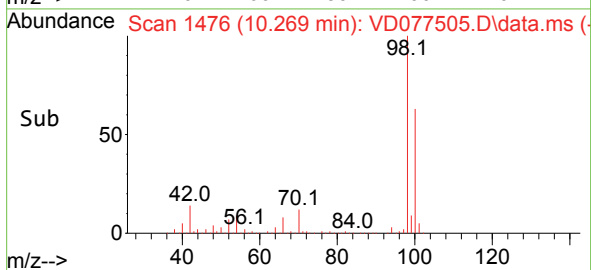
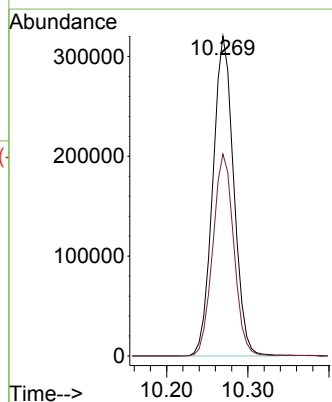
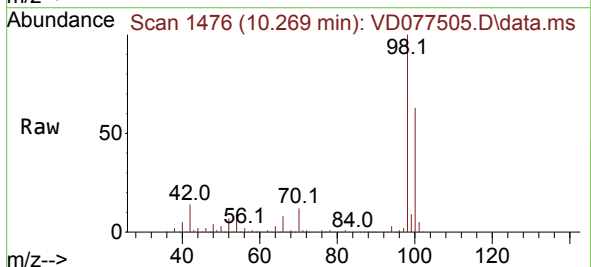
Acq: 06 Nov 2023 10:56

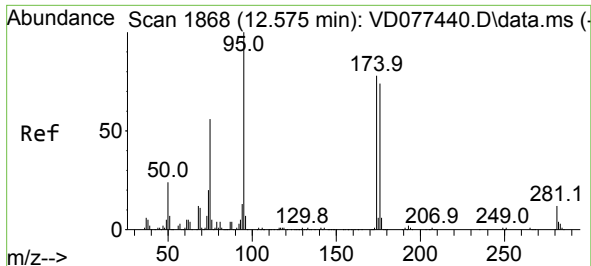
Tgt Ion: 98 Resp: 573057

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5

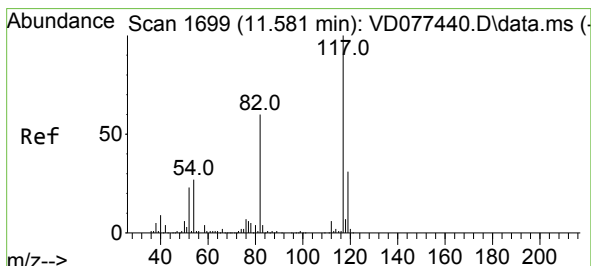
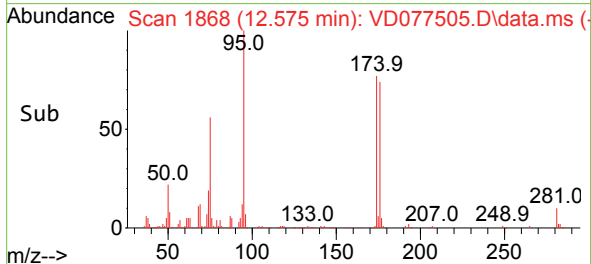
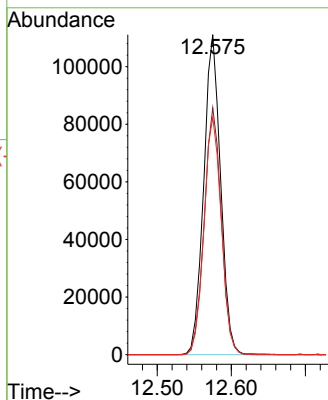
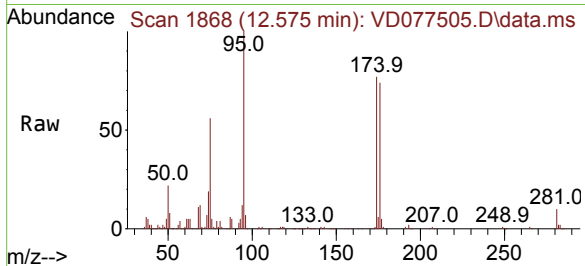




#62
4-Bromofluorobenzene
Concen: 45.687 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

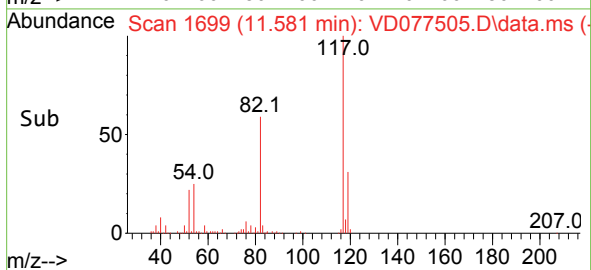
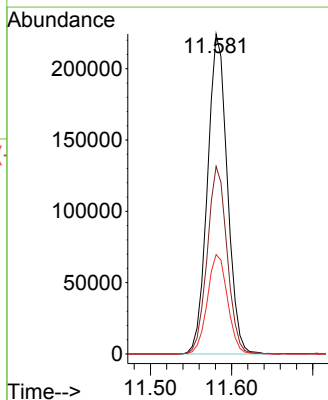
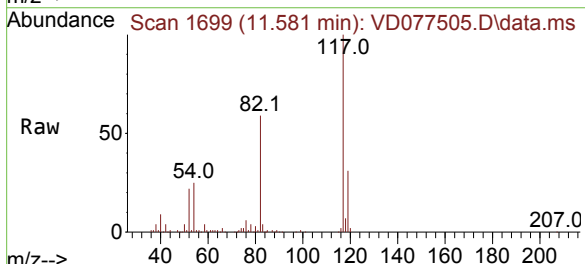
Instrument :
MSVOA_D
ClientSampleId :

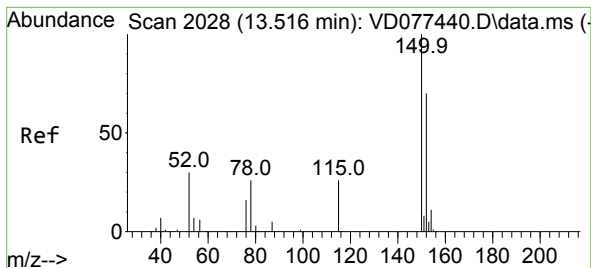
Tgt Ion: 95 Resp: 175940
Ion Ratio Lower Upper
95 100
174 78.1 0.0 201.8
176 75.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Tgt Ion: 117 Resp: 380343
Ion Ratio Lower Upper
117 100
82 58.6 38.3 57.5#
119 31.0 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: VD077505.D

Acq: 06 Nov 2023 10:56

Instrument :

MSVOA_D

ClientSampleId :

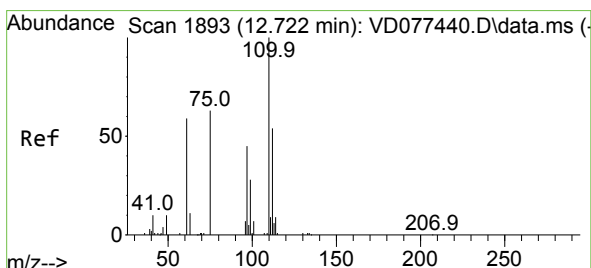
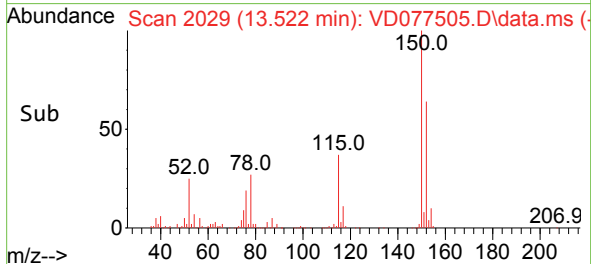
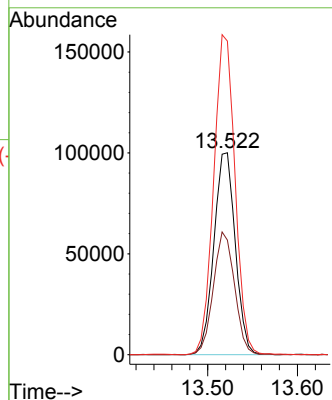
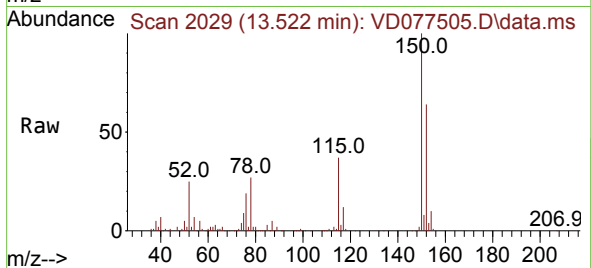
Tgt Ion:152 Resp: 165848

Ion Ratio Lower Upper

152 100

115 60.3 27.1 81.3

150 158.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.208 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077505.D

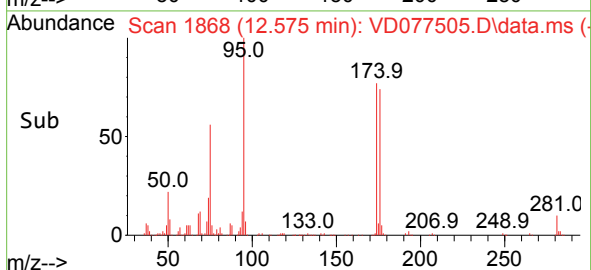
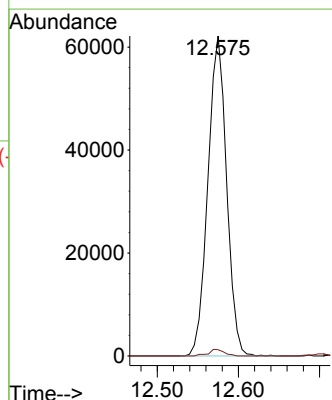
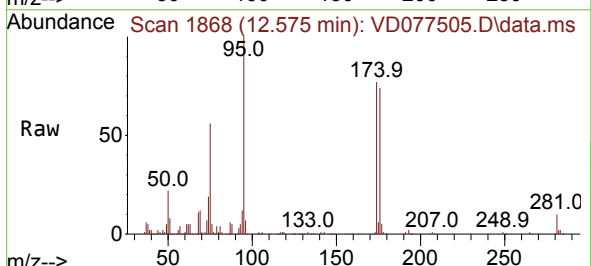
Acq: 06 Nov 2023 10:56

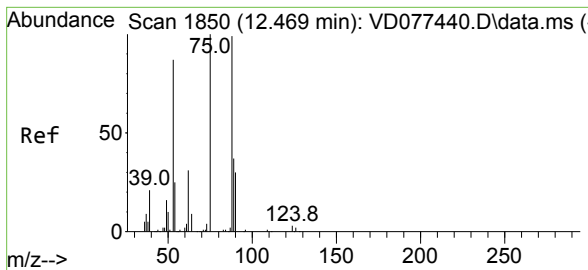
Tgt Ion: 75 Resp: 99328

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 95.052 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077505.D
Acq: 06 Nov 2023 10:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	75	Resp:	99328
Ion	Ratio	Lower	Upper
75	100		
53	0.1	63.0	94.4#
89	0.1	37.9	56.9#

