

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077853.D
 Acq On : 13 Dec 2023 11:10
 Operator : RP/MD
 Sample : VD1213SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:49:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

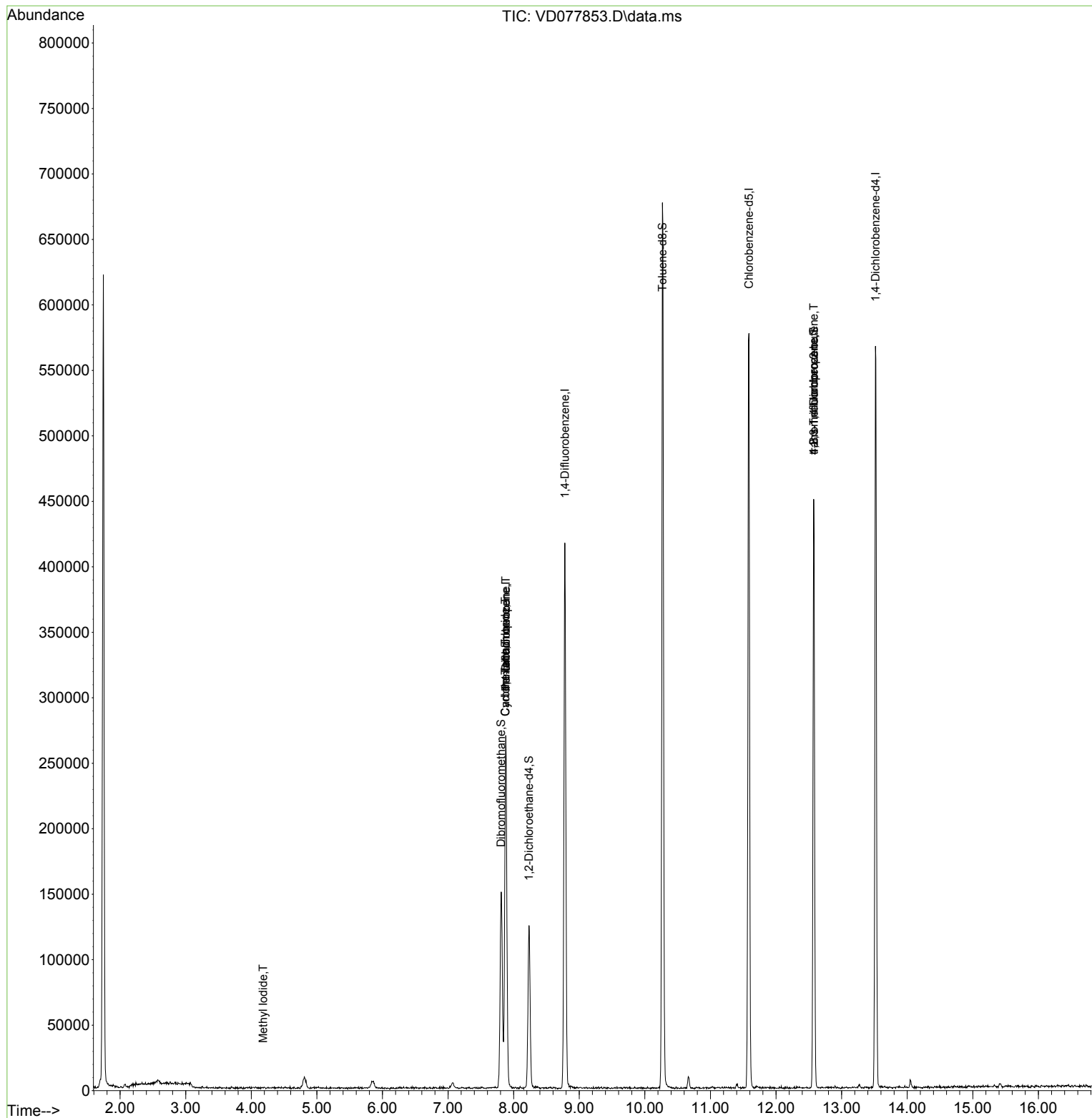
Internal Standards						
1) Pentafluorobenzene	7.881	168	209503	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	366070	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	347178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	157760	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	95545	38.703	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.400%
35) Dibromofluoromethane	7.810	113	108617	42.359	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.720%
50) Toluene-d8	10.269	98	467993	45.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.140%
62) 4-Bromofluorobenzene	12.575	95	132913	43.288	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.580%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.181	142	280	6.850	ug/l	# 46
11) Tert butyl alcohol	5.146	59	56	Below Cal	#	73
16) Acetone	4.022	43	232	Below Cal	#	32
20) Methylene Chloride	4.822	84	6188	Below Cal	#	85
25) 2-Butanone	7.099	43	65	Below Cal	#	6
31) Cyclohexane	7.875	56	5464	1.244	ug/l	# 55
36) 1,1-Dichloropropene	7.881	75	16846	4.107	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	20111	4.918	ug/l	# 18
65) Chlorobenzene	11.610	112	81	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	70561	51.499	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	70561	104.340	ug/l	# 17
88) 1,4-Dichlorobenzene	13.534	146	509	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.351	75	67	Below Cal	#	1

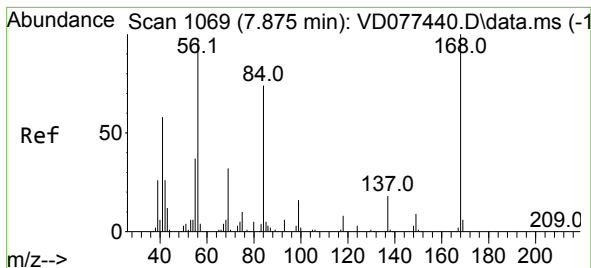
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

Instrument :

MSVOA_D

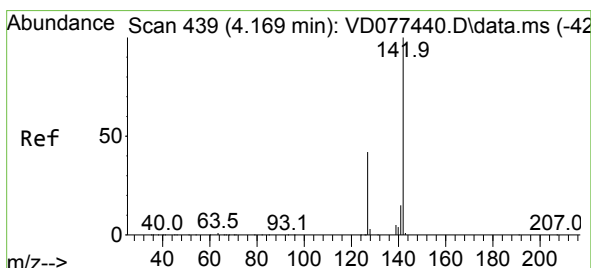
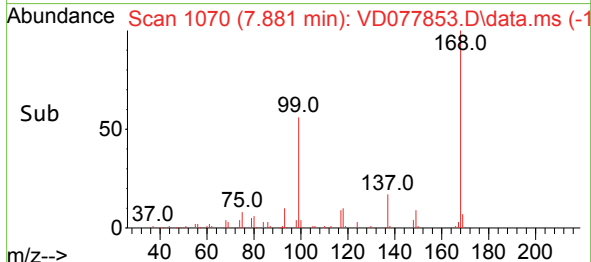
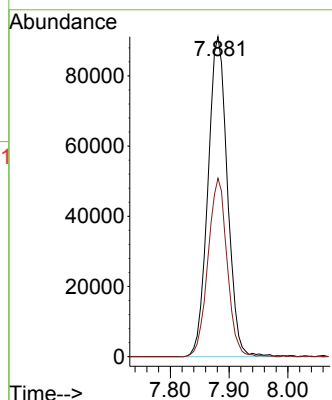
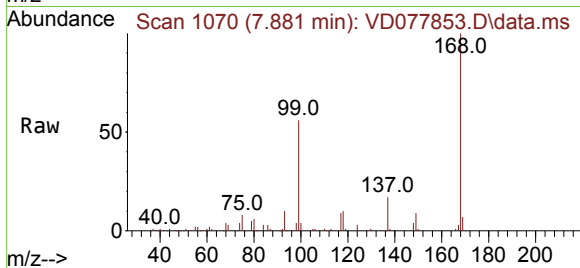
ClientSampleId :

Tgt Ion:168 Resp: 209503

Ion Ratio Lower Upper

168 100

99 55.8 36.7 55.1#



#10

Methyl Iodide

Concen: 6.850 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.012 min

Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

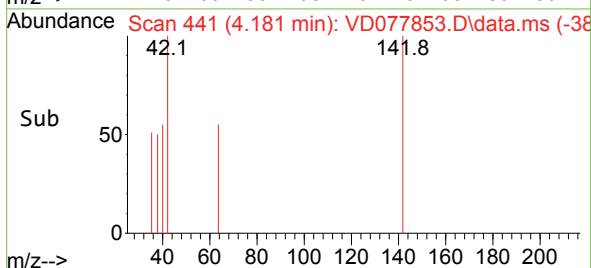
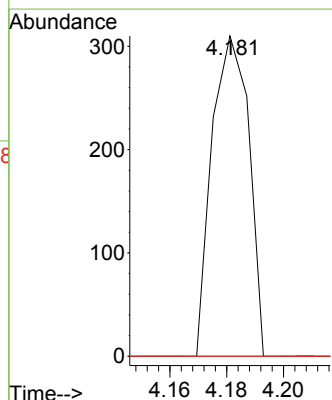
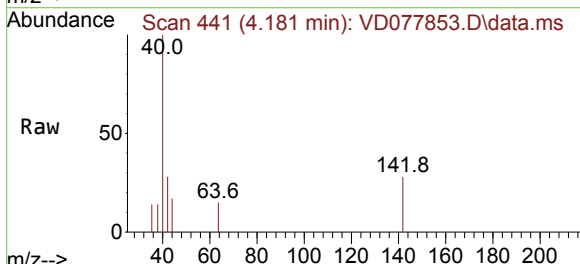
Tgt Ion:142 Resp: 280

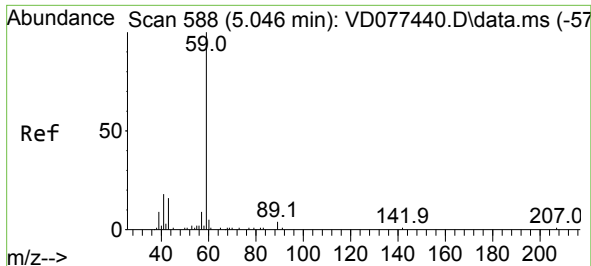
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

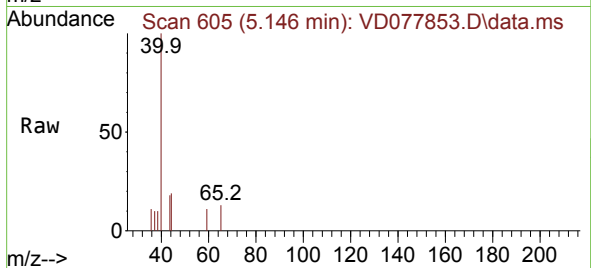
141 0.0 11.1 16.7#



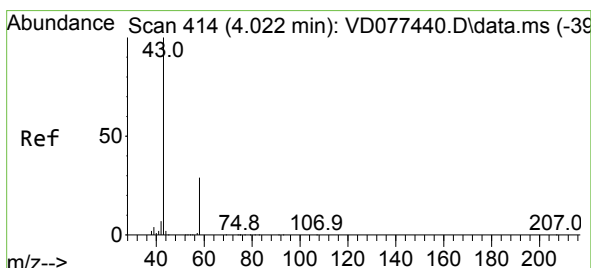
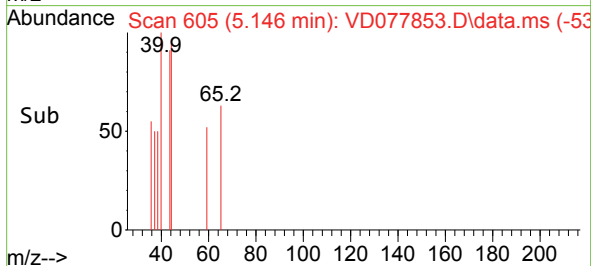
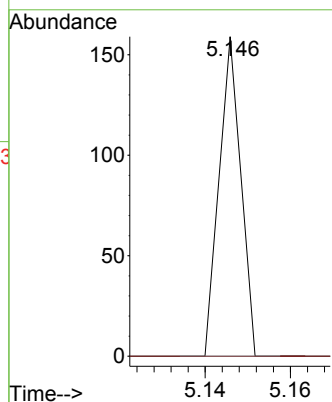


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.146 min Scan# 605
Delta R.T. 0.100 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Instrument :
MSVOA_D
ClientSampleId :

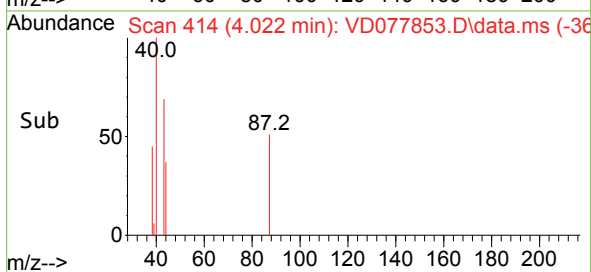
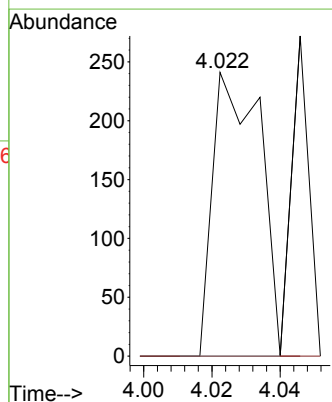
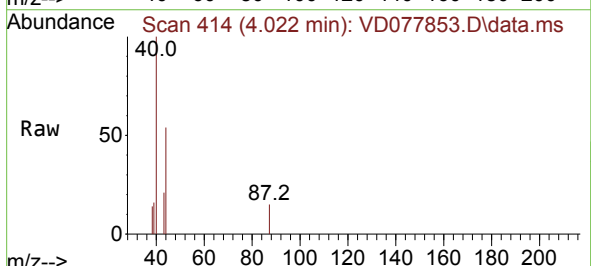


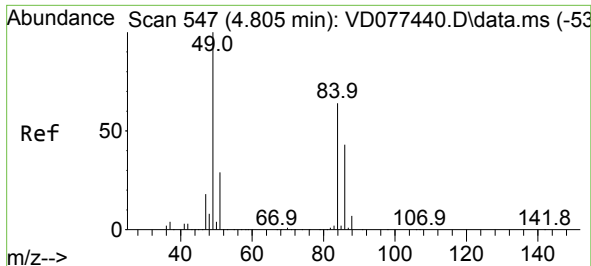
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

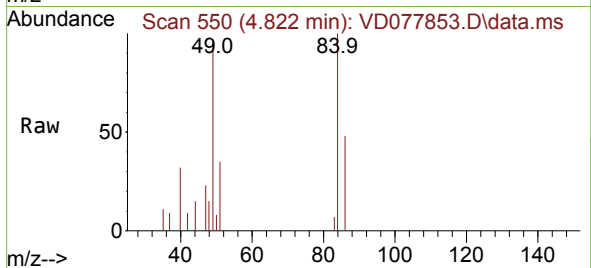
Tgt Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#





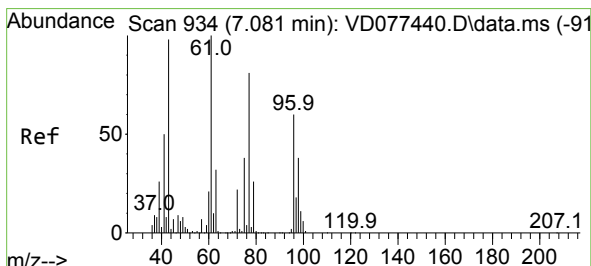
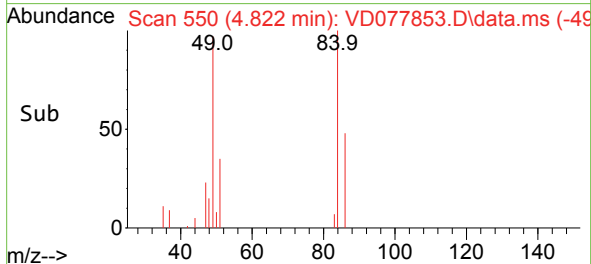
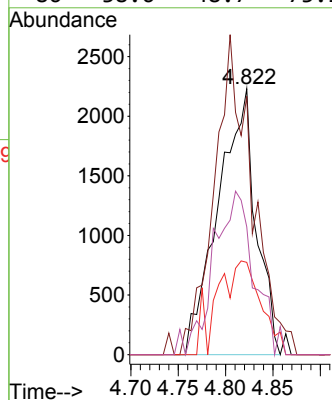
#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 510
Delta R.T. 0.017 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 6188

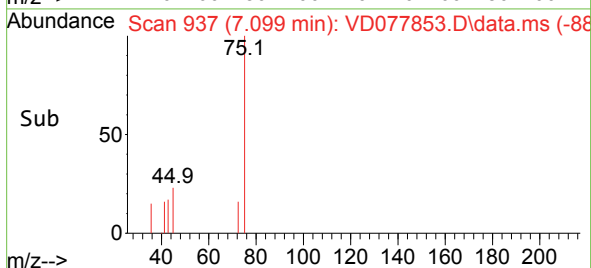
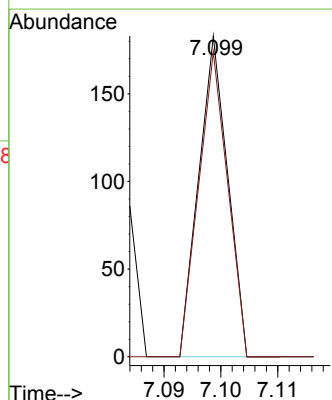
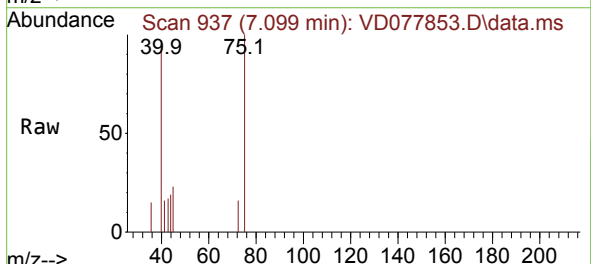
Ion	Ratio	Lower	Upper
84	100		
49	97.1	71.4	107.2
51	34.7	24.5	36.7
86	38.6	48.7	73.1

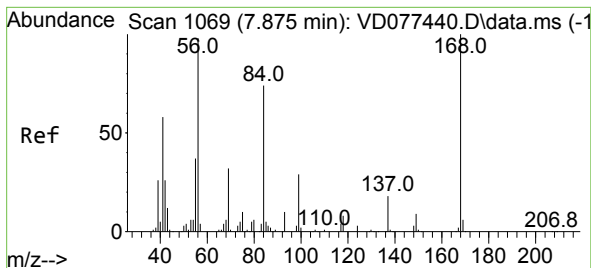


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 937
Delta R.T. 0.018 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Tgt Ion: 43 Resp: 65

Ion	Ratio	Lower	Upper
43	100		
72	95.1	30.7	46.1





#31

Cyclohexane

Concen: 1.244 ug/l

RT: 7.875 min Scan# 110

Delta R.T. 0.000 min

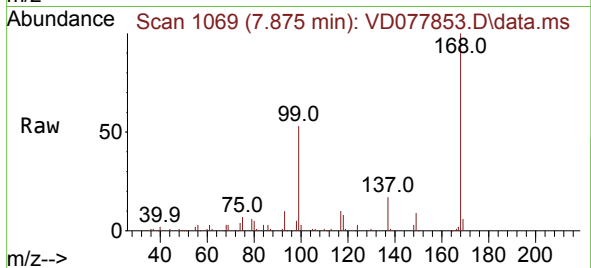
Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

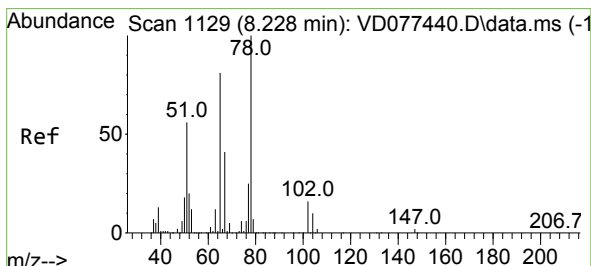
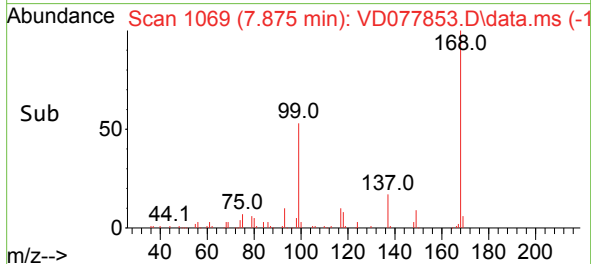
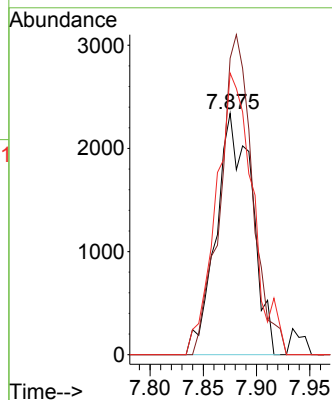
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	5464
Ion	Ratio	Lower	Upper
56	100		
69	122.8	28.6	43.0#
84	116.7	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 38.703 ug/l

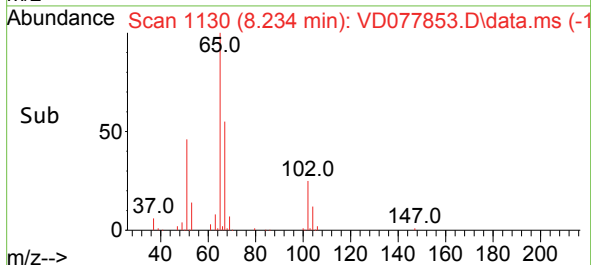
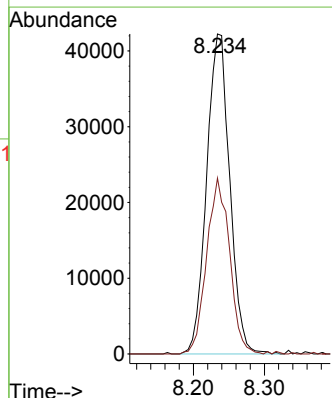
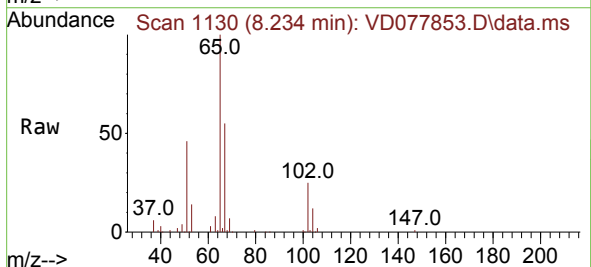
RT: 8.234 min Scan# 1130

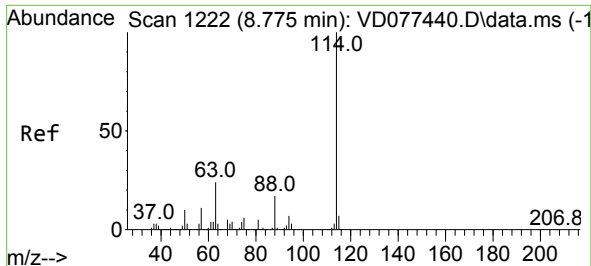
Delta R.T. 0.006 min

Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

Tgt Ion:	65	Resp:	95545
Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	115.0

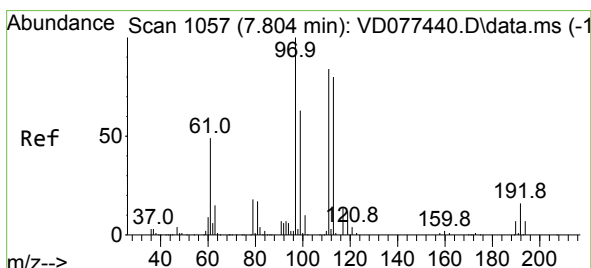
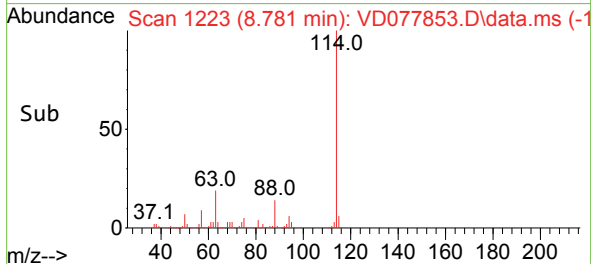
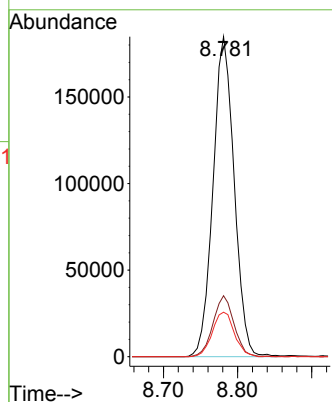
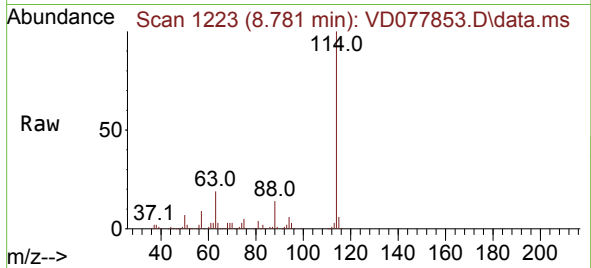




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

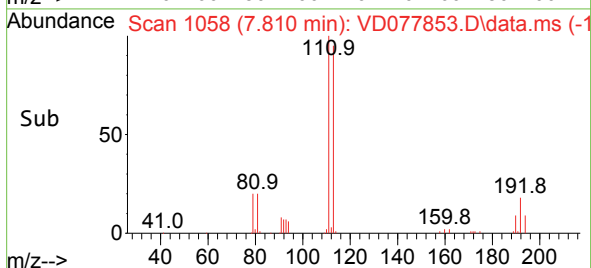
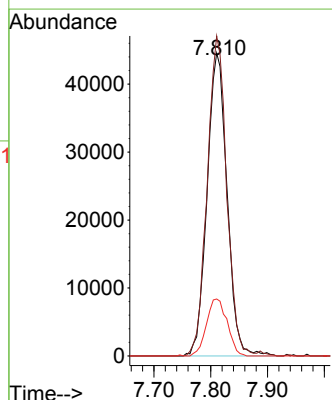
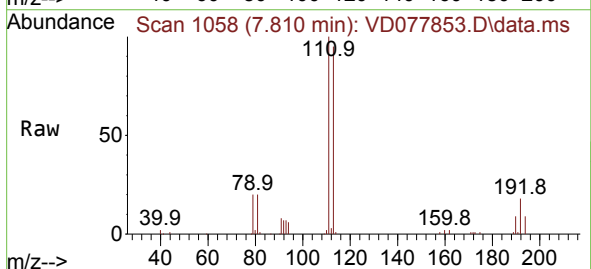
Instrument :
MSVOA_D
ClientSampleId :

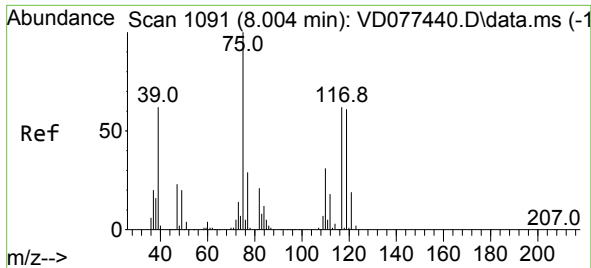
Tgt Ion:114 Resp: 366070
Ion Ratio Lower Upper
114 100
63 19.0 0.0 33.4
88 13.9 0.0 26.2



#35
Dibromofluoromethane
Concen: 42.359 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Tgt Ion:113 Resp: 108617
Ion Ratio Lower Upper
113 100
111 103.1 84.7 127.1
192 19.5 16.8 25.2

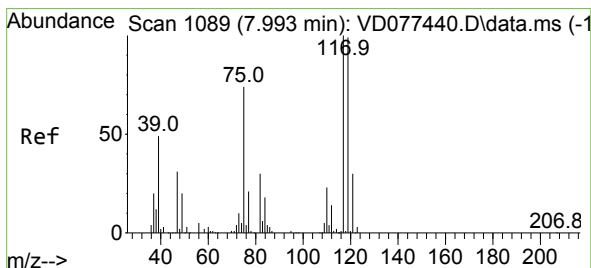
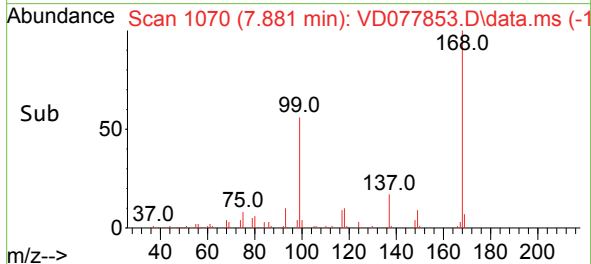
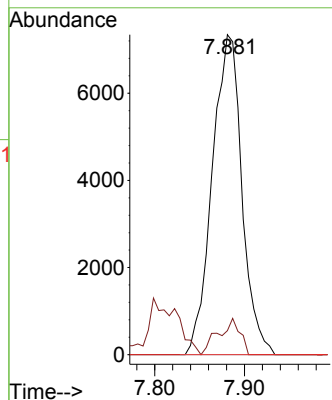
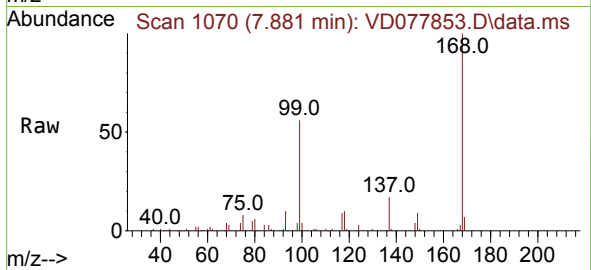




#36
1,1-Dichloropropene
Concen: 4.107 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. -0.123 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

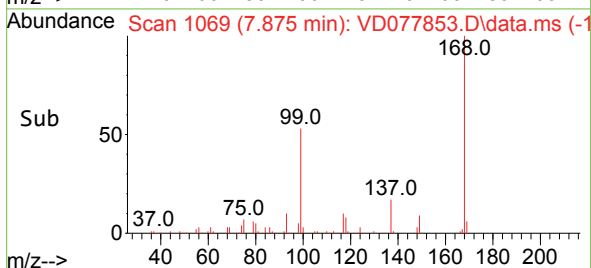
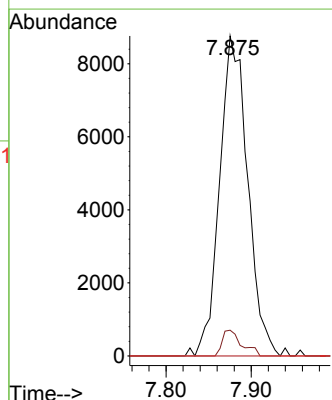
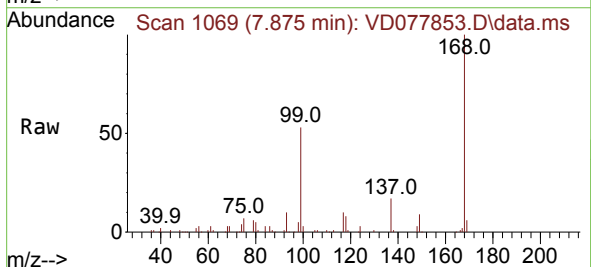
Instrument :
MSVOA_D
ClientSampleId :

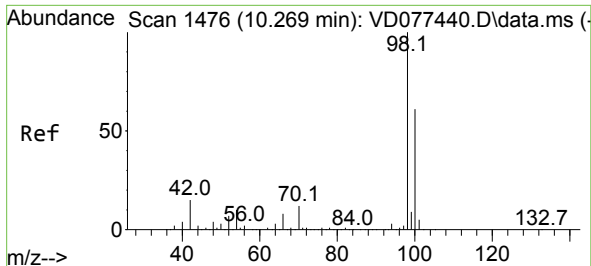
Tgt Ion: 75 Resp: 16846
Ion Ratio Lower Upper
75 100
110 8.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.918 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Tgt Ion: 117 Resp: 20111
Ion Ratio Lower Upper
117 100
119 8.1 78.0 117.0#
121 0.0 24.2 36.2#

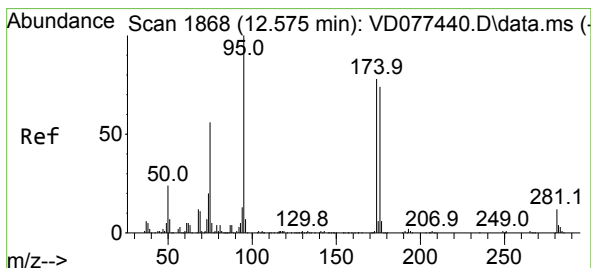
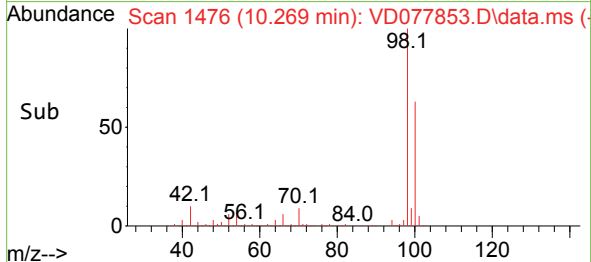
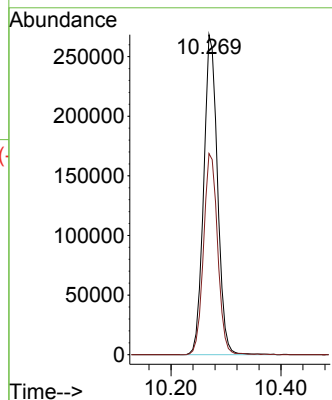
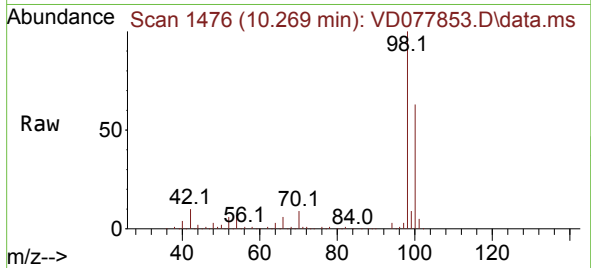




#50
Toluene-d8
Concen: 45.569 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

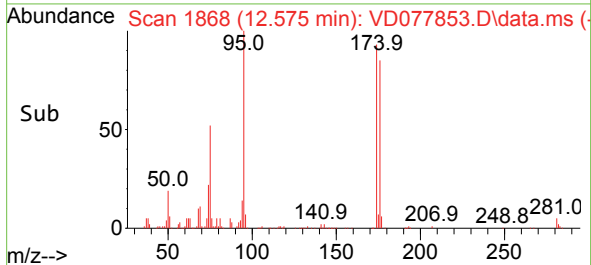
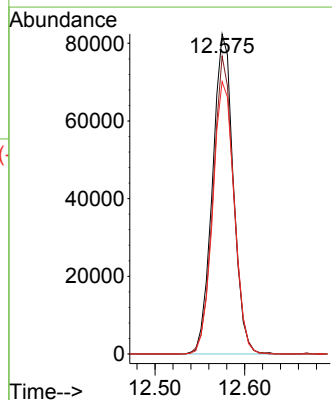
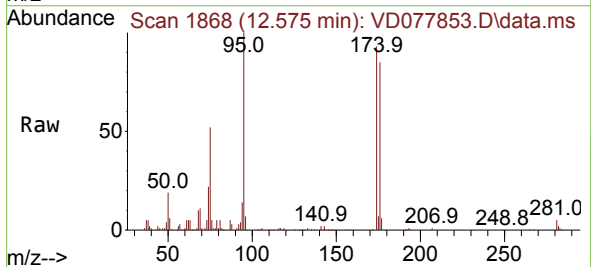
Instrument :
MSVOA_D
ClientSampleId :

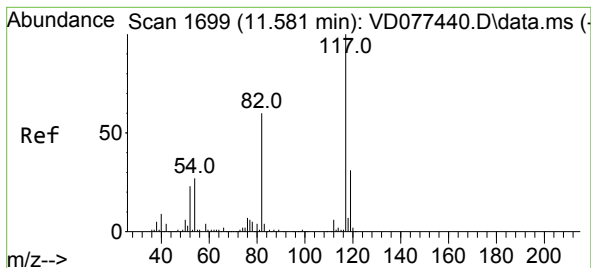
Tgt Ion: 98 Resp: 467993
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.288 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Tgt Ion: 95 Resp: 132913
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 87.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

Instrument :

MSVOA_D

ClientSampleId :

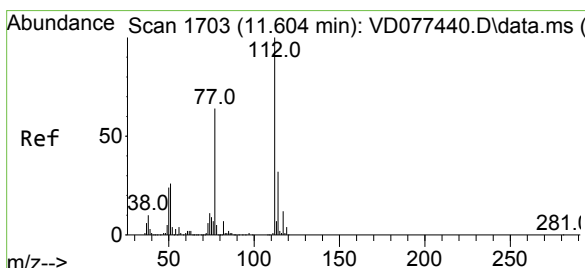
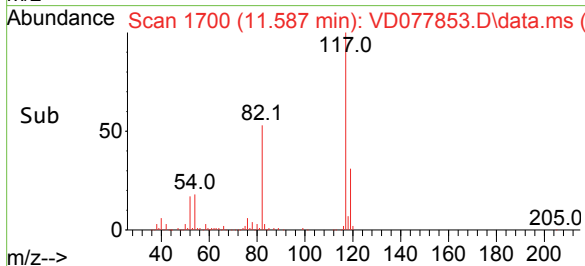
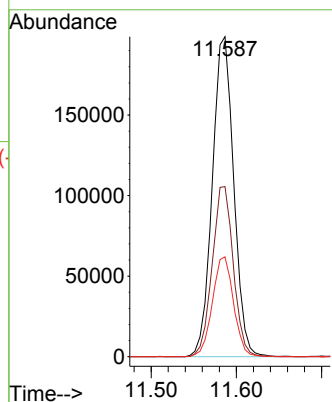
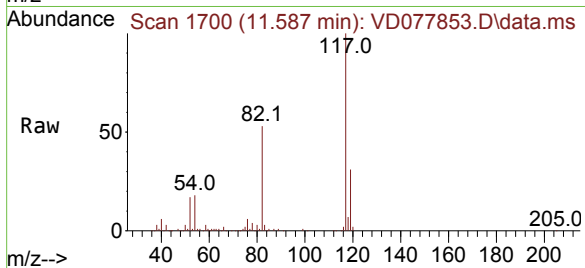
Tgt Ion:117 Resp: 347178

Ion Ratio Lower Upper

117 100

82 53.2 38.3 57.5

119 31.2 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD077853.D

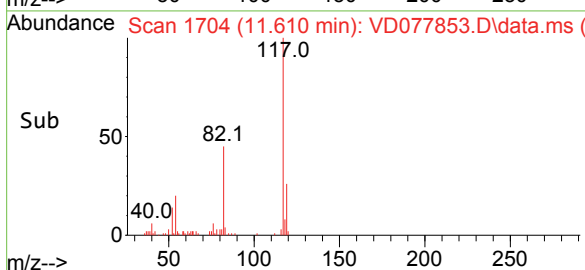
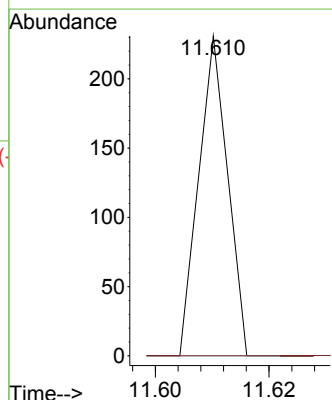
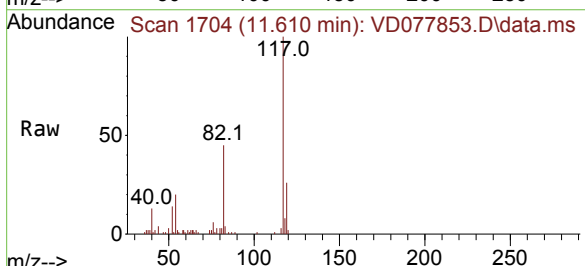
Acq: 13 Dec 2023 11:10

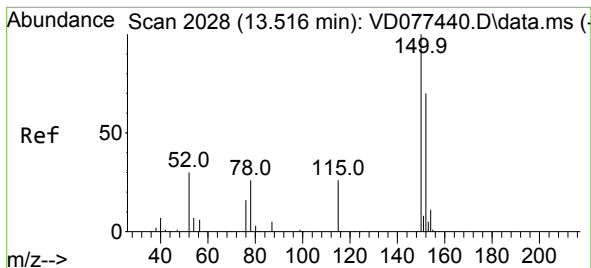
Tgt Ion:112 Resp: 81

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.000 min

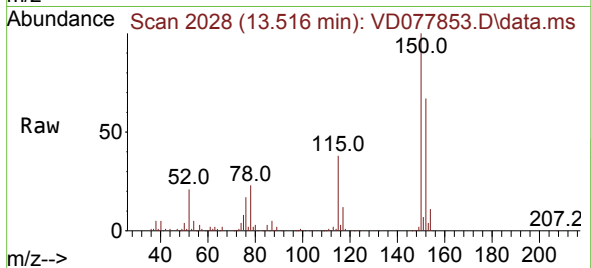
Lab File: VD077853.D

Acq: 13 Dec 2023 11:10

Instrument :

MSVOA_D

ClientSampleId :



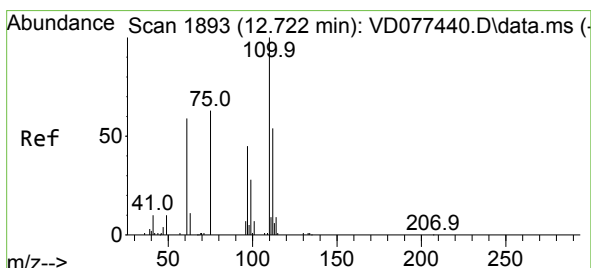
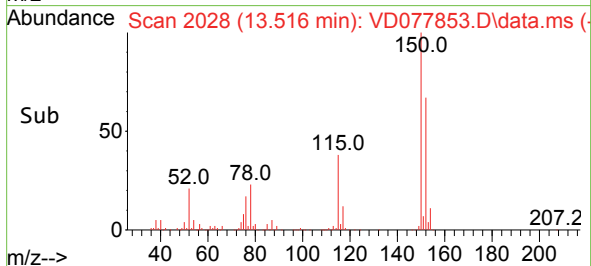
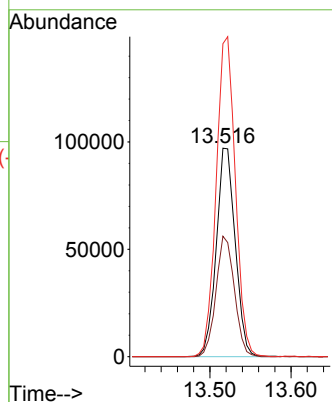
Tgt Ion:152 Resp: 157760

Ion Ratio Lower Upper

152 100

115 56.3 27.1 81.3

150 155.2 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 51.499 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077853.D

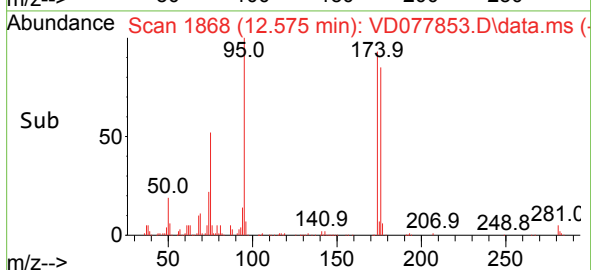
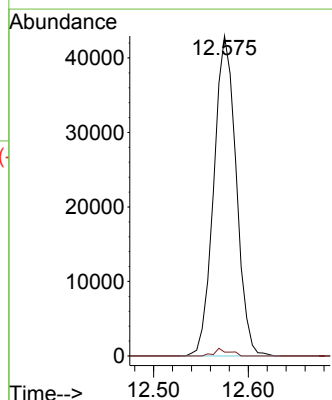
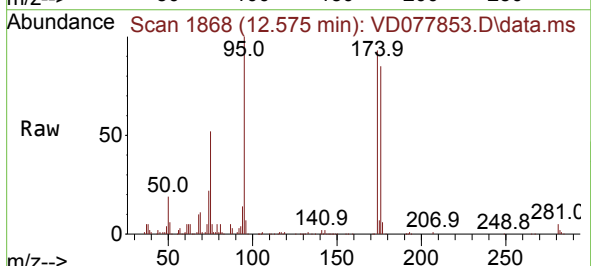
Acq: 13 Dec 2023 11:10

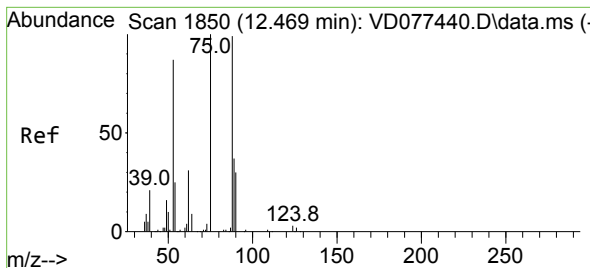
Tgt Ion: 75 Resp: 70561

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#

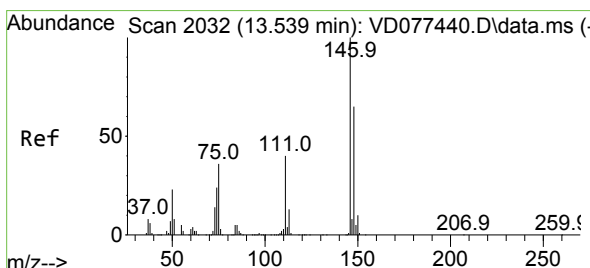
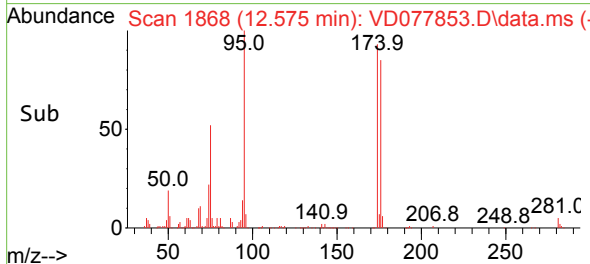
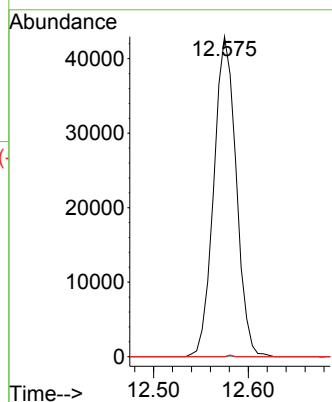
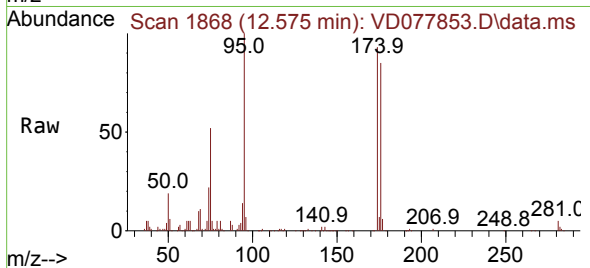




#81
trans-1,4-Dichloro-2-butene
Concen: 104.340 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 70561
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.534 min Scan# 2031
Delta R.T. -0.005 min
Lab File: VD077853.D
Acq: 13 Dec 2023 11:10

Tgt Ion:146 Resp: 509
Ion Ratio Lower Upper
146 100
111 378.8 17.4 52.3#
148 218.9 31.7 95.1#

