

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077847.D
 Acq On : 12 Dec 2023 17:29
 Operator : JC/SY
 Sample : 05726-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 13 03:12:08 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)

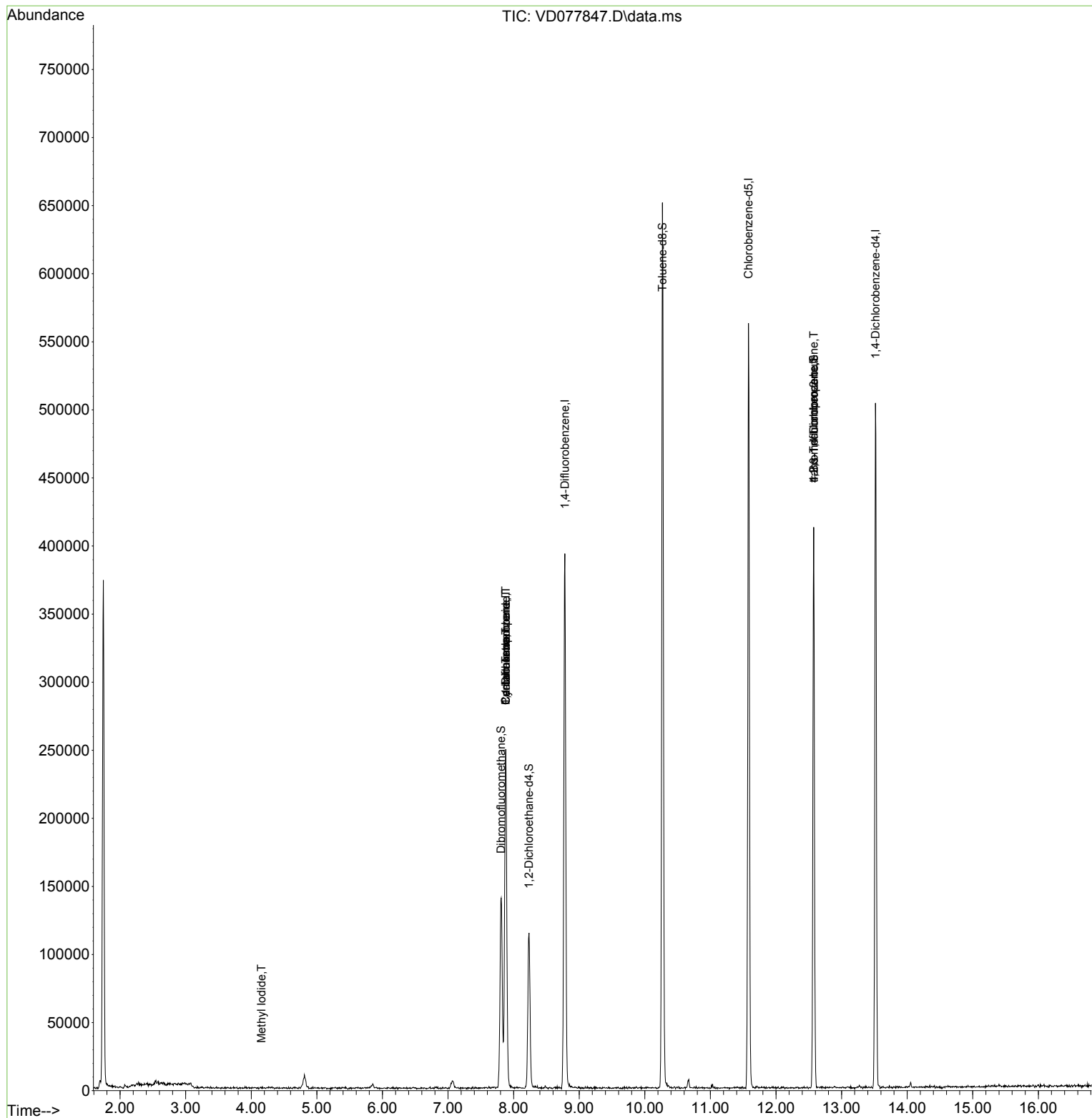
Internal Standards						
1) Pentafluorobenzene	7.881	168	192893	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	353570	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	327121	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	134638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	90621	39.869	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.740%
35) Dibromofluoromethane	7.810	113	103491	41.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.580%
50) Toluene-d8	10.269	98	450292	45.396	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.575	95	121061	40.822	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.640%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	62	6.768	ug/l	# 46
11) Tert butyl alcohol	5.064	59	54	Below Cal	#	73
16) Acetone	4.034	43	59	Below Cal	#	32
20) Methylene Chloride	4.811	84	5848	Below Cal	#	82
25) 2-Butanone	7.081	43	204	Below Cal	#	37
31) Cyclohexane	7.881	56	4394	1.087	ug/l	# 63
36) 1,1-Dichloropropene	7.881	75	15404	3.888	ug/l	# 42
38) Carbon Tetrachloride	7.881	117	19835	5.022	ug/l	# 16
65) Chlorobenzene	11.610	112	278	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	62397	53.361	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	62397	108.113	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	238	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.522	75	58	Below Cal	#	1

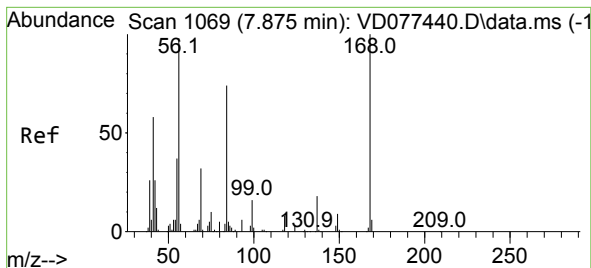
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

Instrument :

MSVOA_D

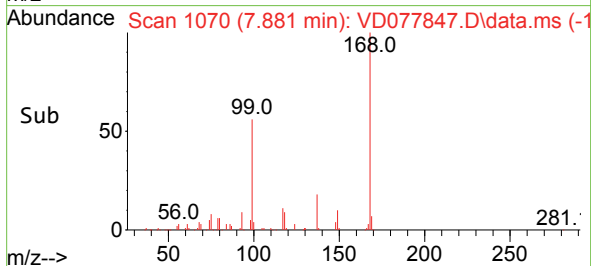
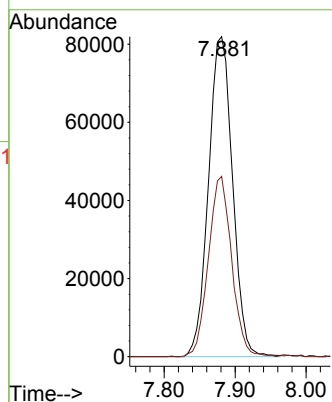
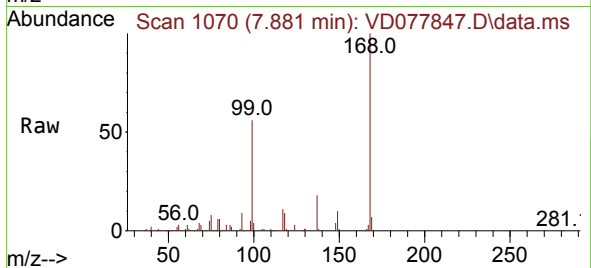
ClientSampleId :

Tgt Ion:168 Resp: 192893

Ion Ratio Lower Upper

168 100

99 56.4 36.7 55.1#



#10

Methyl Iodide

Concen: 6.768 ug/l

RT: 4.158 min Scan# 437

Delta R.T. -0.011 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

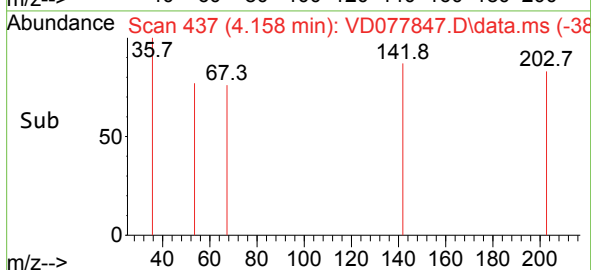
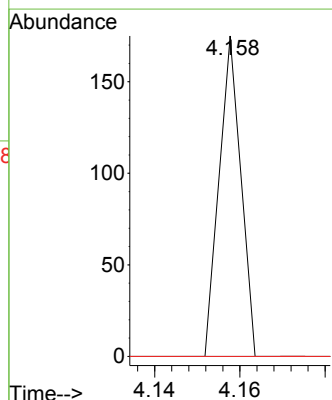
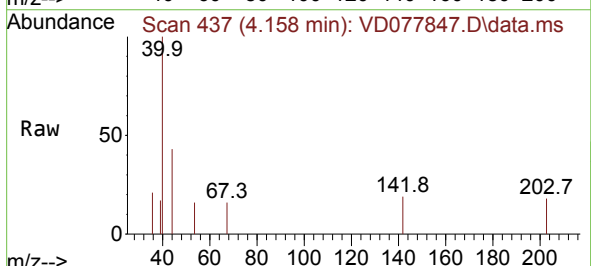
Tgt Ion:142 Resp: 62

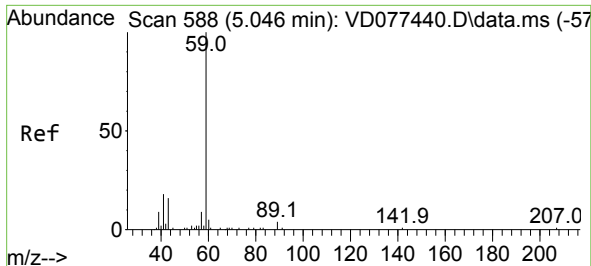
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.064 min Scan# 59

Delta R.T. 0.018 min

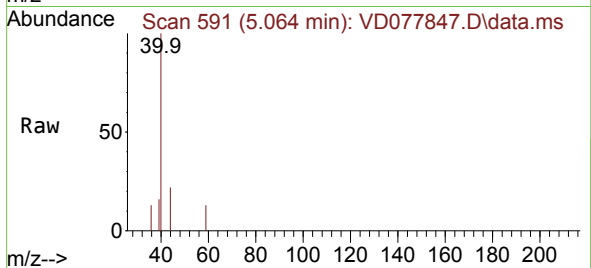
Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

Instrument :

MSVOA_D

ClientSampleId :

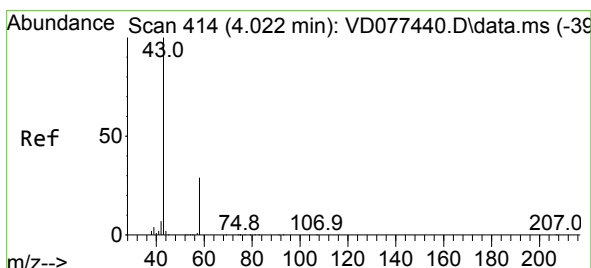
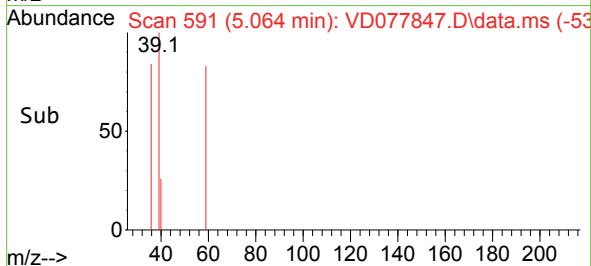
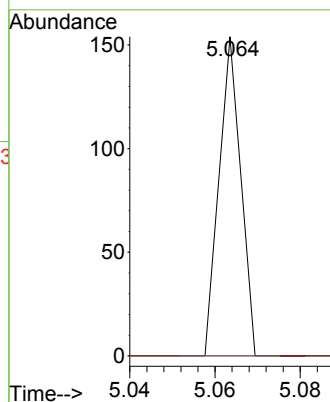


Tgt Ion: 59 Resp: 54

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD077847.D

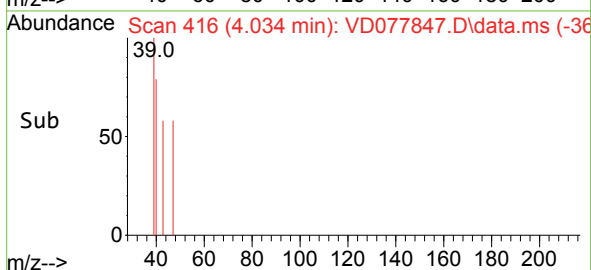
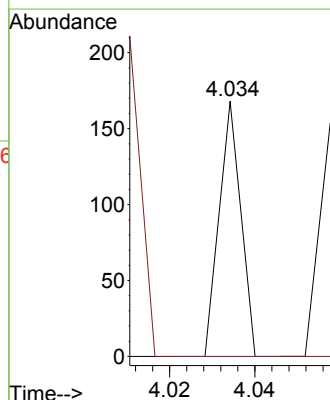
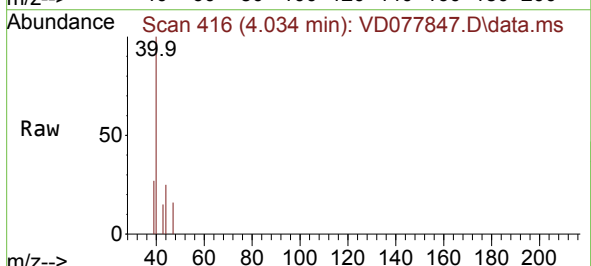
Acq: 12 Dec 2023 17:29

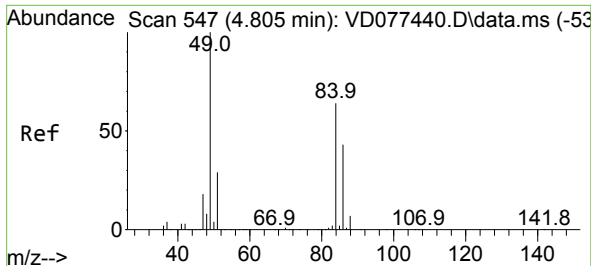
Tgt Ion: 43 Resp: 59

Ion Ratio Lower Upper

43 100

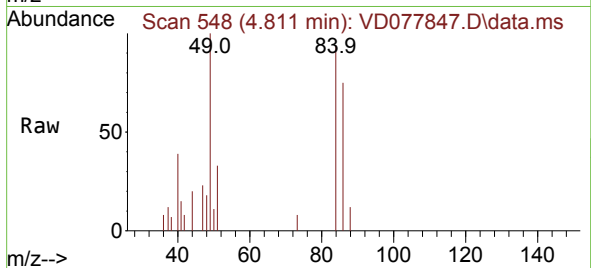
58 0.0 34.7 52.1#



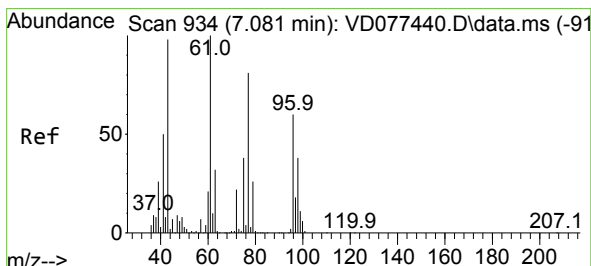
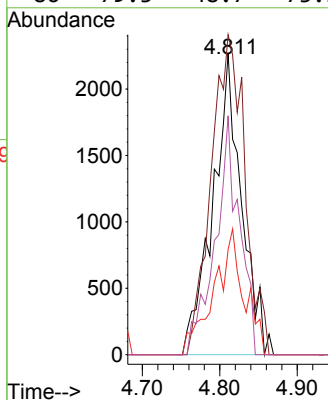
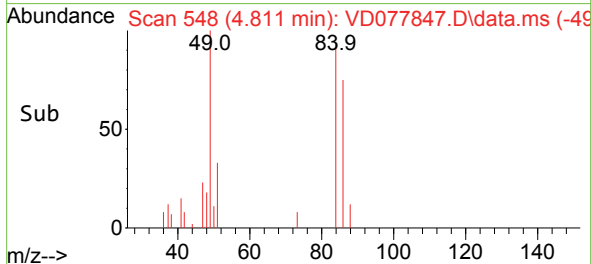


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Instrument :
MSVOA_D
ClientSampleId :

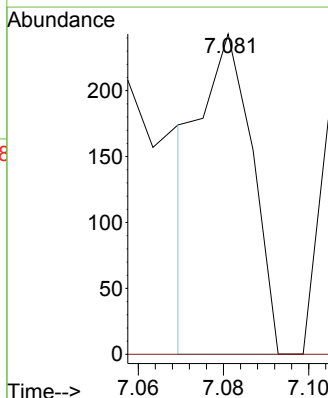
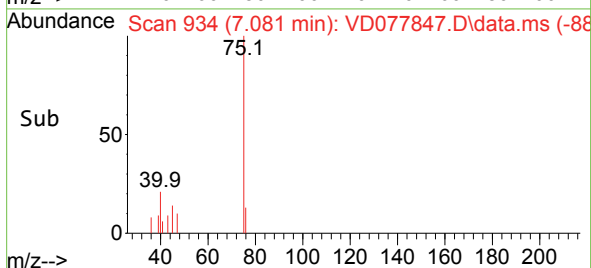
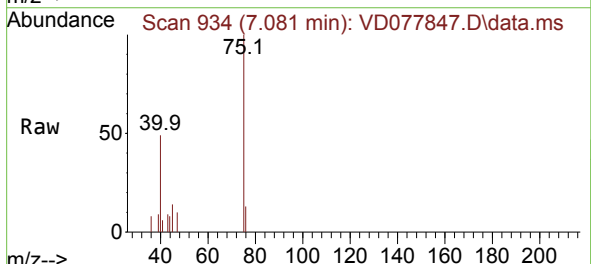


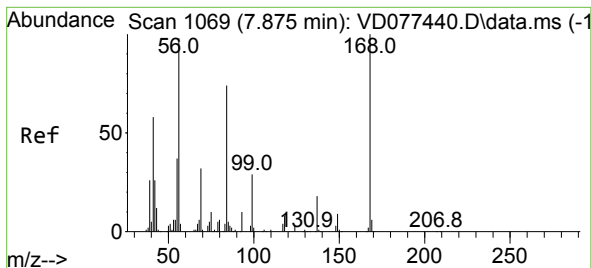
Tgt Ion: 84 Resp: 5848
Ion Ratio Lower Upper
84 100
49 106.2 71.4 107.2
51 34.9 24.5 36.7
86 79.3 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.006 min

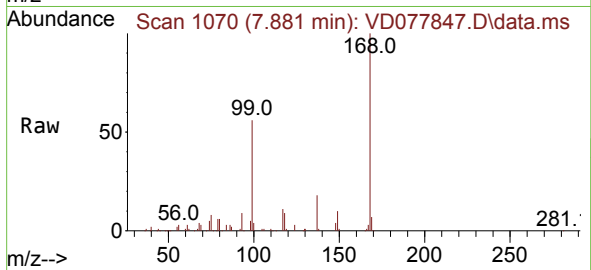
Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

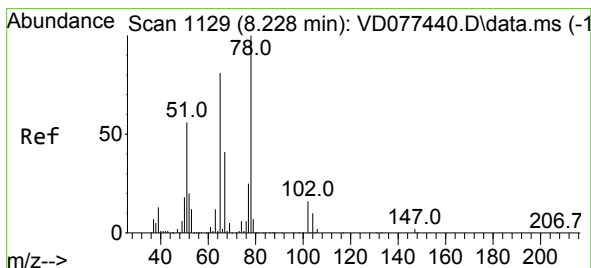
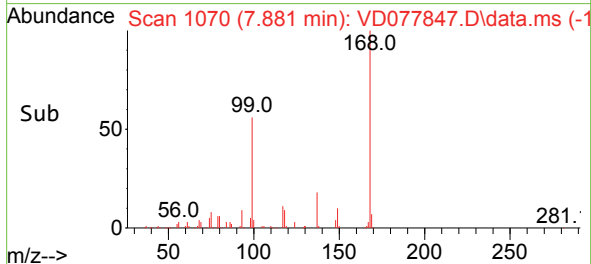
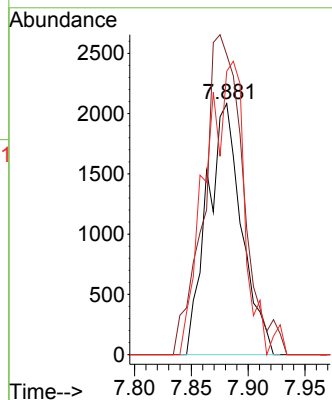
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	56	Resp:	4394
Ion Ratio	Lower	Upper	
56	100		
69	111.1	28.6	43.0#
84	112.9	84.8	127.2



#33

1,2-Dichloroethane-d4

Concen: 39.869 ug/l

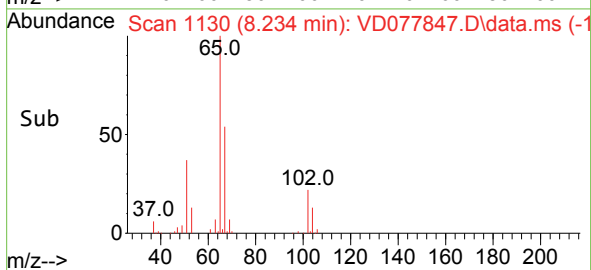
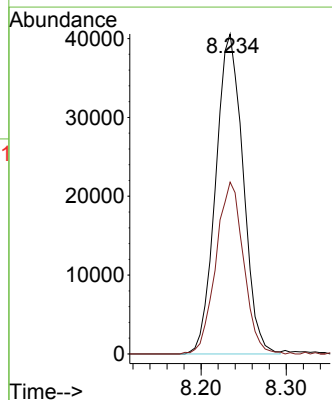
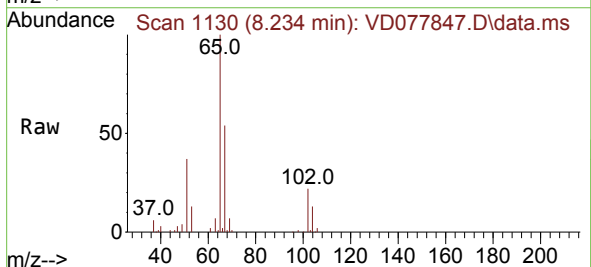
RT: 8.234 min Scan# 1130

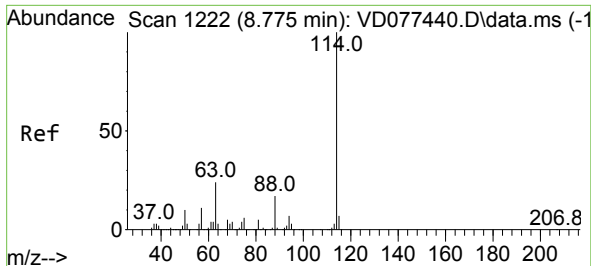
Delta R.T. 0.006 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

Tgt Ion:	65	Resp:	90621
Ion Ratio	Lower	Upper	
65	100		
67	54.4	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: VD077847.D

Acq: 12 Dec 2023 17:29

Instrument :

MSVOA_D

ClientSampleId :

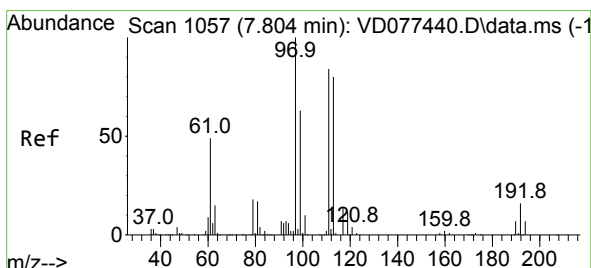
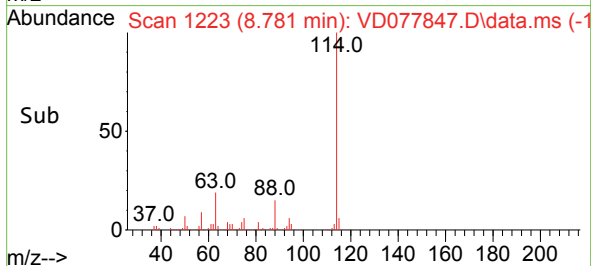
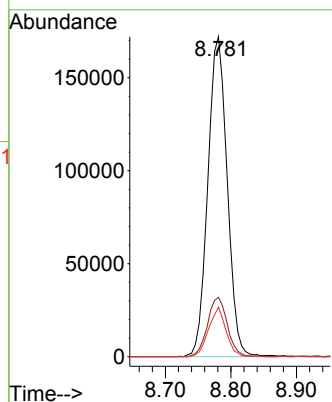
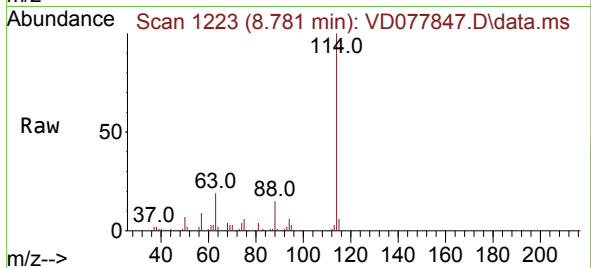
Tgt Ion:114 Resp: 353570

Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.4

88 15.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.787 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

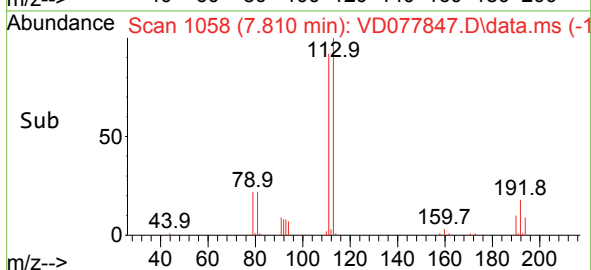
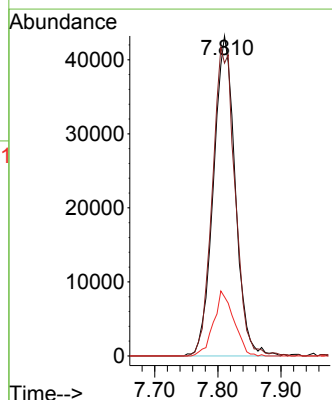
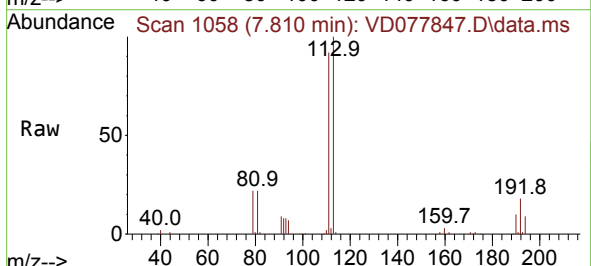
Tgt Ion:113 Resp: 103491

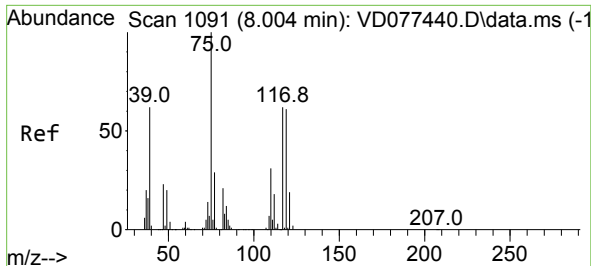
Ion Ratio Lower Upper

113 100

111 100.1 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.888 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

Instrument :

MSVOA_D

ClientSampleId :

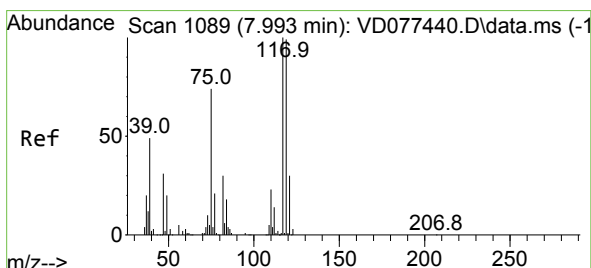
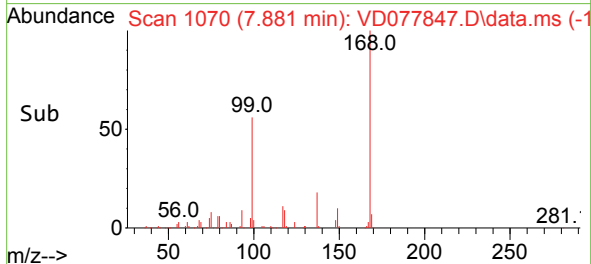
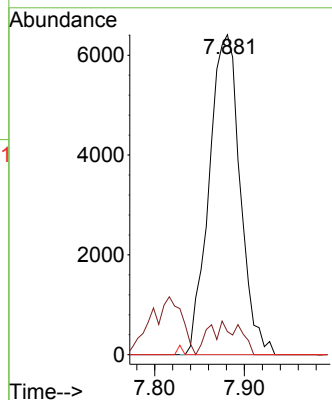
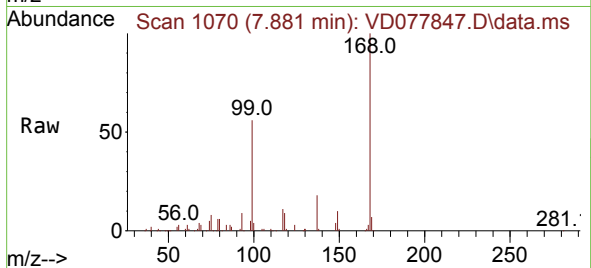
Tgt Ion: 75 Resp: 15404

Ion Ratio Lower Upper

75 100

110 3.7 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.022 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

Lab File: VD077847.D

Acq: 12 Dec 2023 17:29

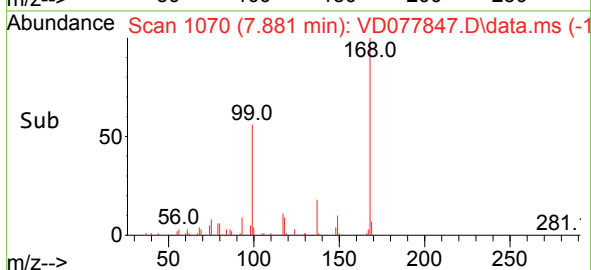
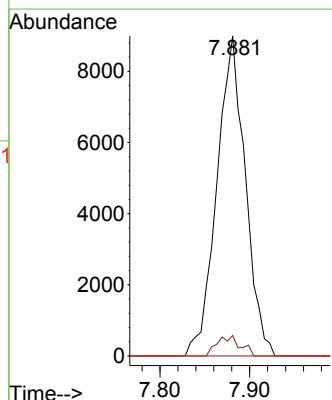
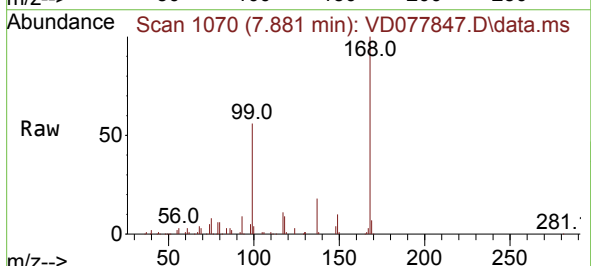
Tgt Ion: 117 Resp: 19835

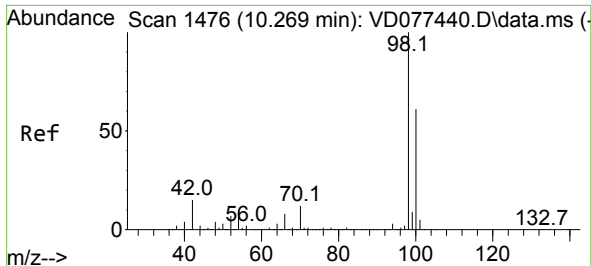
Ion Ratio Lower Upper

117 100

119 6.4 78.0 117.0#

121 0.0 24.2 36.2#

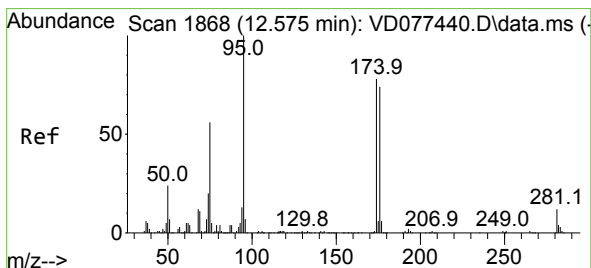
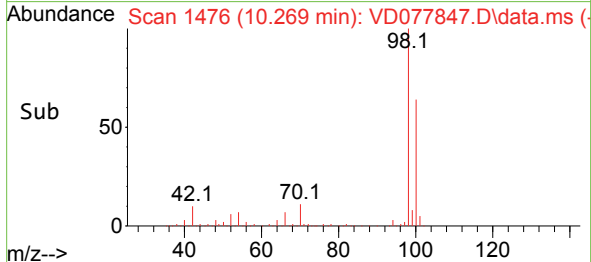
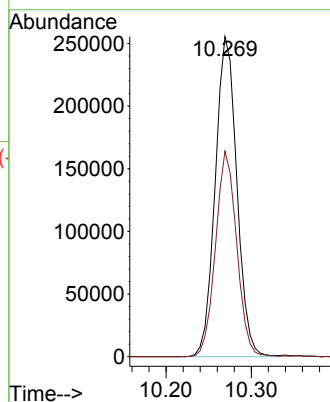
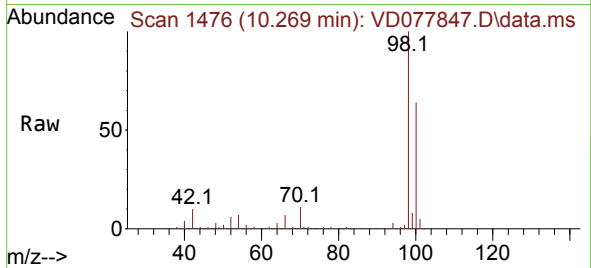




#50
Toluene-d8
Concen: 45.396 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

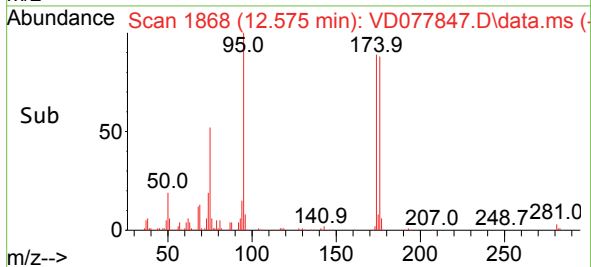
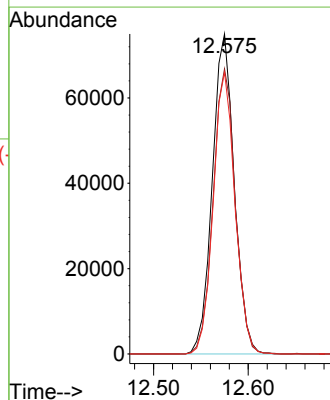
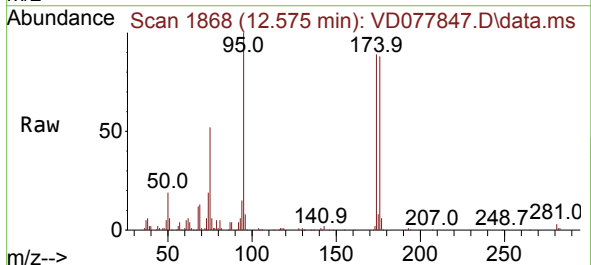
Instrument :
MSVOA_D
ClientSampleId :

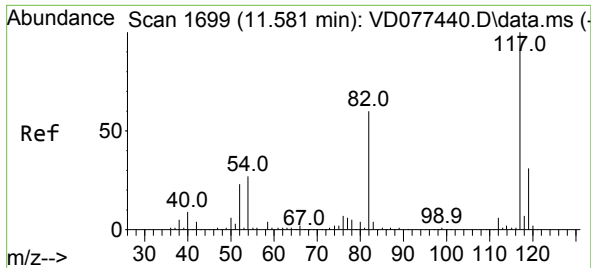
Tgt Ion: 98 Resp: 450292
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 40.822 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Tgt Ion: 95 Resp: 121061
Ion Ratio Lower Upper
95 100
174 89.7 0.0 201.8
176 87.2 0.0 191.8

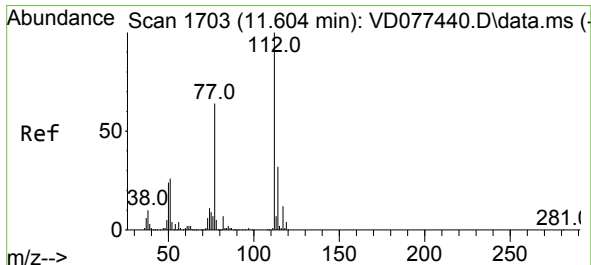
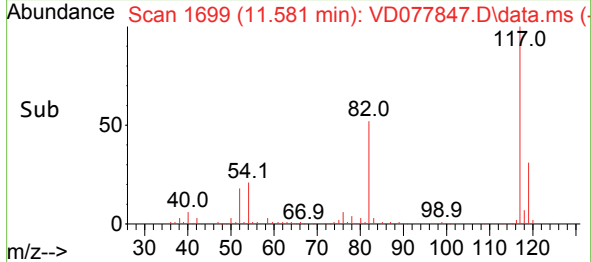
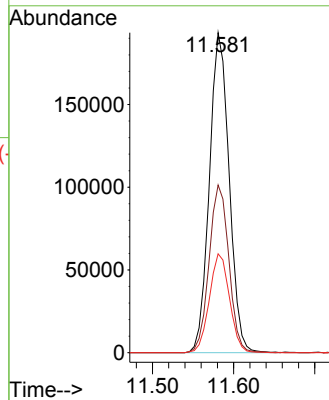
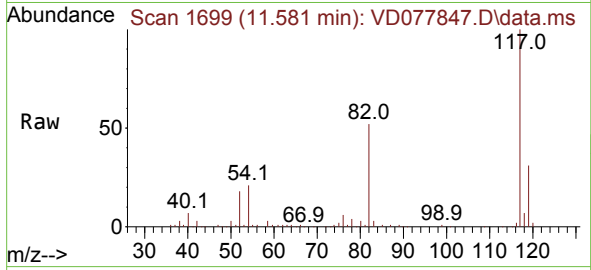




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

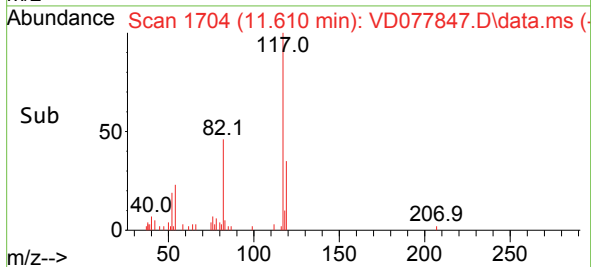
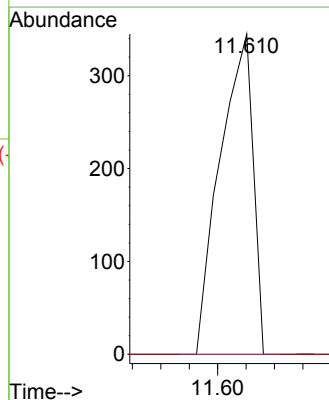
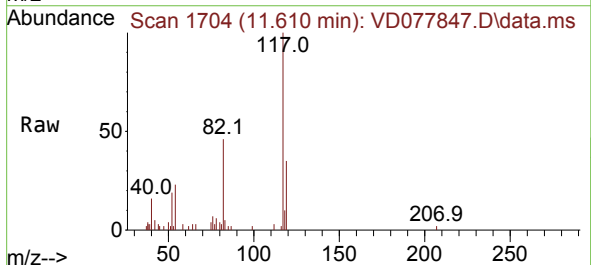
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MSVOA_D
ClientSampleId :

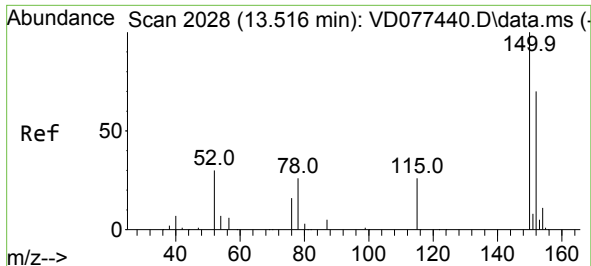
Tgt Ion:117 Resp: 327121
Ion Ratio Lower Upper
117 100
82 52.4 38.3 57.5
119 30.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Tgt Ion:112 Resp: 278
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

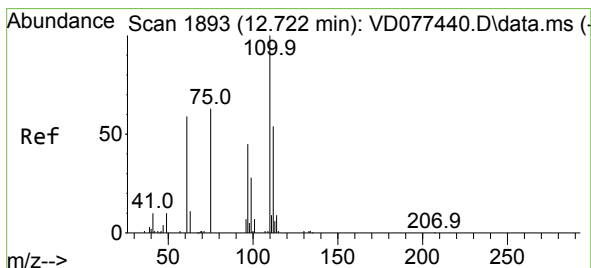
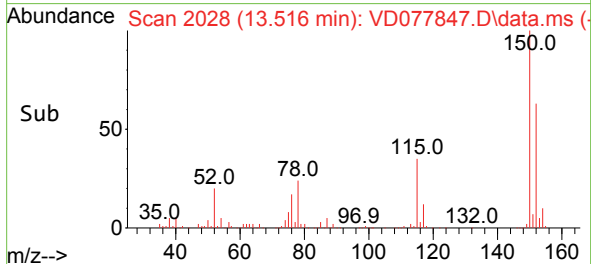
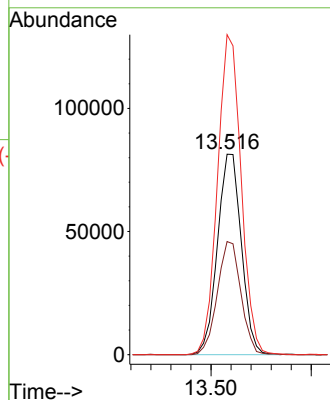
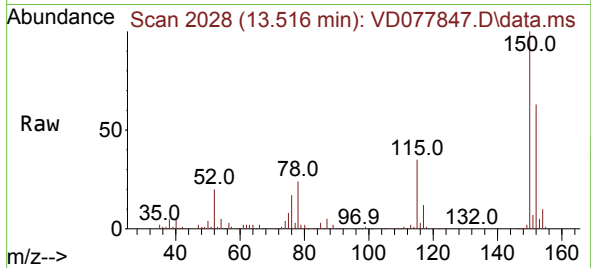




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077847.D
 Acq: 12 Dec 2023 17:29

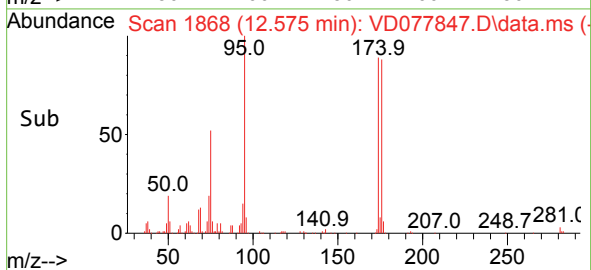
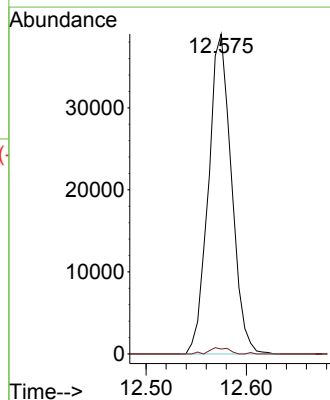
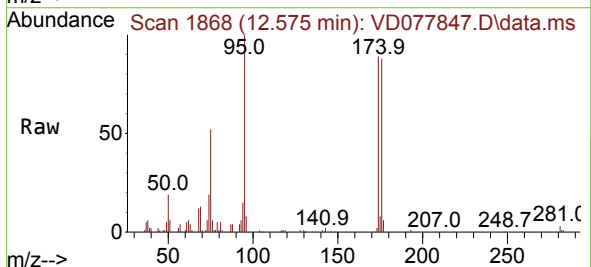
Instrument :
 MSVOA_D
 ClientSampleId :

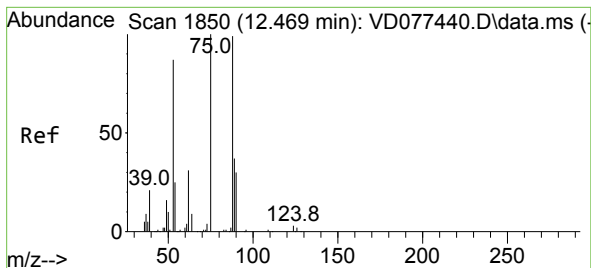
Tgt Ion:152 Resp: 134638
 Ion Ratio Lower Upper
 152 100
 115 55.7 27.1 81.3
 150 158.0 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 53.361 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077847.D
 Acq: 12 Dec 2023 17:29

Tgt Ion: 75 Resp: 62397
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

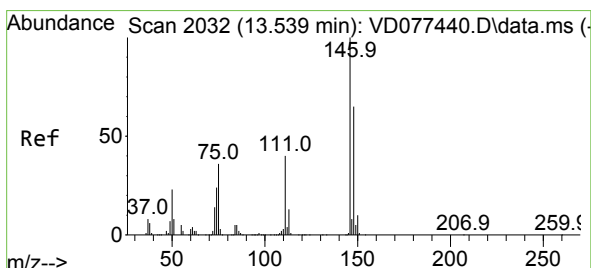
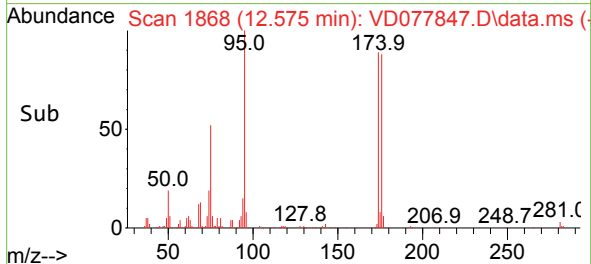
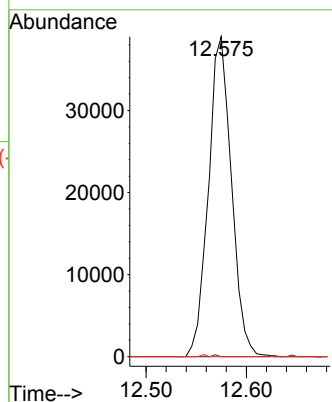
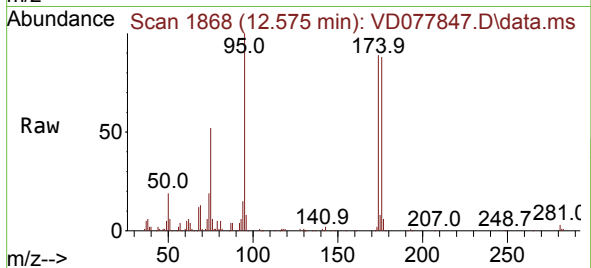




#81
trans-1,4-Dichloro-2-butene
Concen: 108.113 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 62397
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: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077847.D
Acq: 12 Dec 2023 17:29

Tgt Ion: 146 Resp: 238
Ion Ratio Lower Upper
146 100
111 696.2 17.4 52.3#
148 418.9 31.7 95.1#

