

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077863.D
 Acq On : 13 Dec 2023 15:37
 Operator : RP/MD
 Sample : 05760-03
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 01:53:33 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)

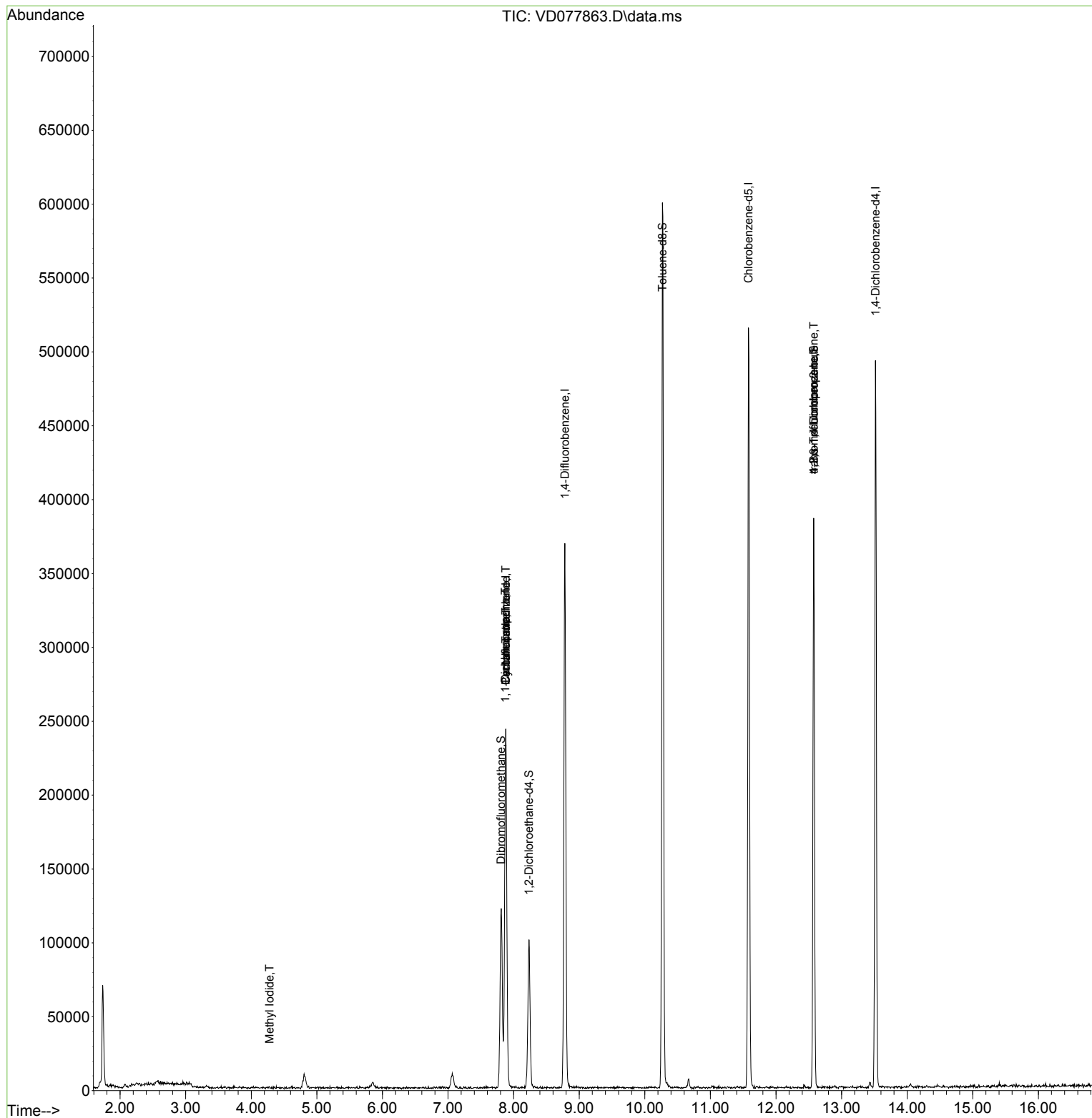
Internal Standards						
1) Pentafluorobenzene	7.881	168	186858	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	331169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	303441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	132036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77766	35.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.640%
35) Dibromofluoromethane	7.810	113	87955	37.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	75.840%
50) Toluene-d8	10.269	98	423640	45.598	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.200%
62) 4-Bromofluorobenzene	12.575	95	113996	41.039	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.080%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.281	142	57	6.766	ug/l	# 46
11) Tert butyl alcohol	5.081	59	56	Below Cal	#	73
16) Acetone	4.034	43	747	Below Cal	#	86
20) Methylene Chloride	4.799	84	6771	Below Cal	#	81
25) 2-Butanone	7.093	43	211	Below Cal	#	37
31) Cyclohexane	7.881	56	4619	1.179	ug/l	# 18
36) 1,1-Dichloropropene	7.875	75	14918	4.020	ug/l	# 46
38) Carbon Tetrachloride	7.881	117	19276	5.211	ug/l	# 16
65) Chlorobenzene	11.610	112	124	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	60423	52.691	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	60423	106.756	ug/l	# 17
88) 1,4-Dichlorobenzene	13.528	146	329	Below Cal	#	1

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

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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# 1

Delta R.T. 0.006 min

Lab File: VD077863.D

Acq: 13 Dec 2023 15:37

Instrument :

MSVOA_D

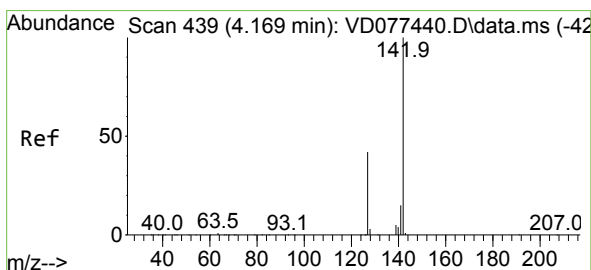
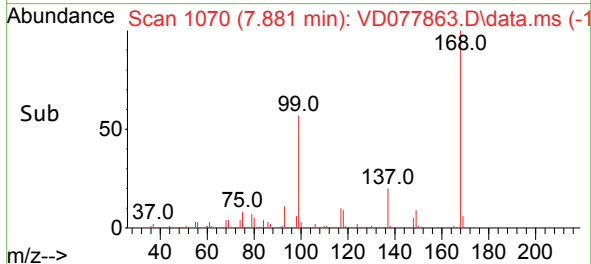
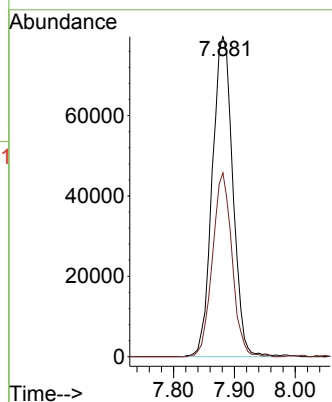
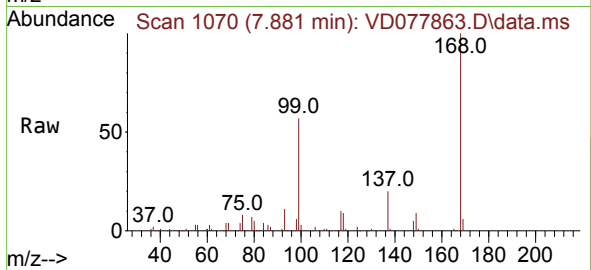
ClientSampleId :

Tgt Ion:168 Resp: 186858

Ion Ratio Lower Upper

168 100

99 57.4 36.7 55.1#



#10

Methyl Iodide

Concen: 6.766 ug/l

RT: 4.281 min Scan# 458

Delta R.T. 0.112 min

Lab File: VD077863.D

Acq: 13 Dec 2023 15:37

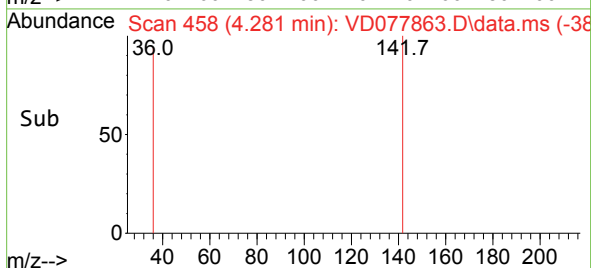
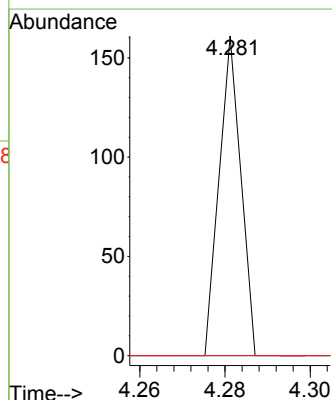
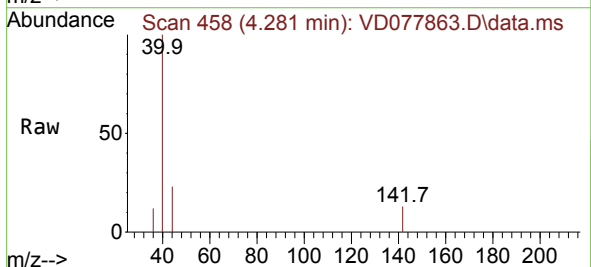
Tgt Ion:142 Resp: 57

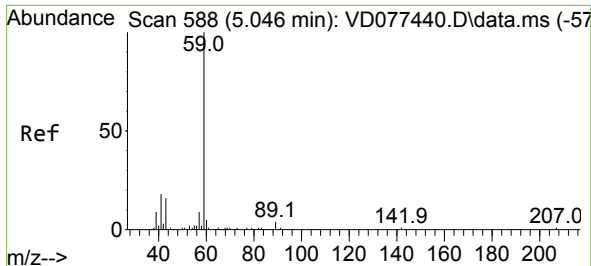
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

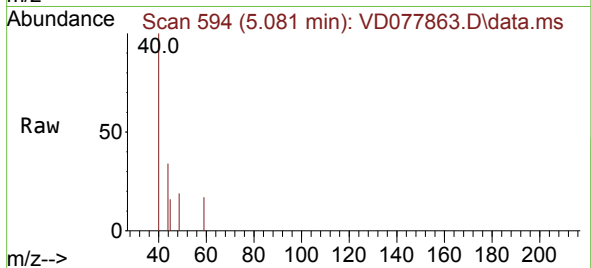
141 0.0 11.1 16.7#



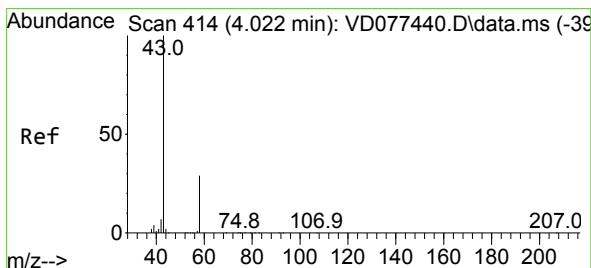
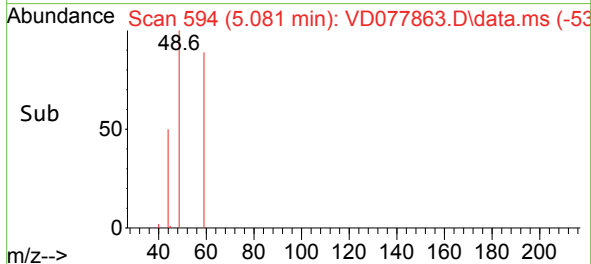
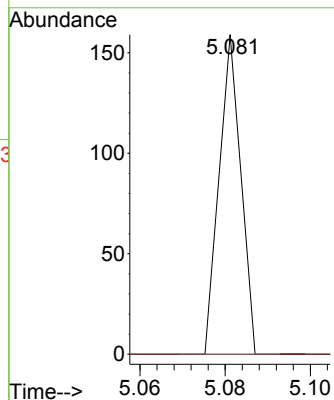


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.081 min Scan# 594
Delta R.T. 0.035 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Instrument :
MSVOA_D
ClientSampleId :

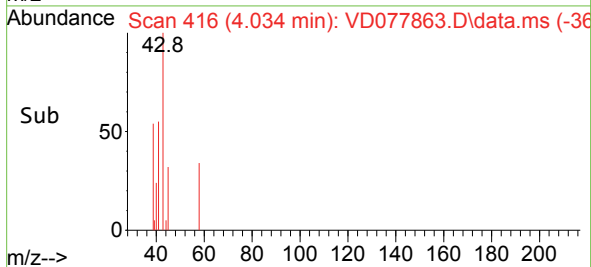
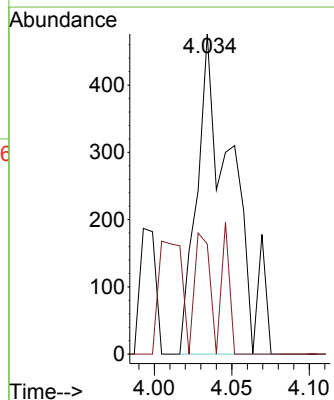
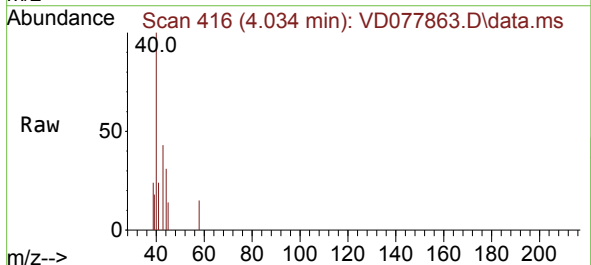


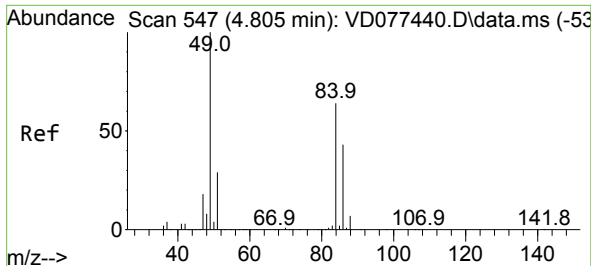
Tgt Ion: 59 Resp: 56
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

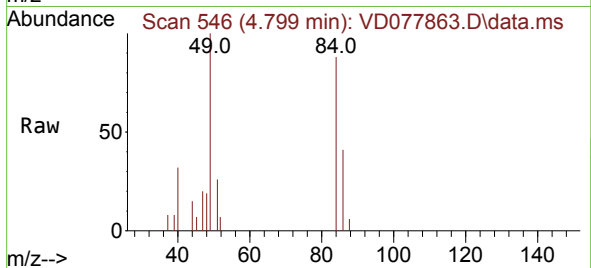
Tgt Ion: 43 Resp: 747
Ion Ratio Lower Upper
43 100
58 34.5 34.7 52.1#



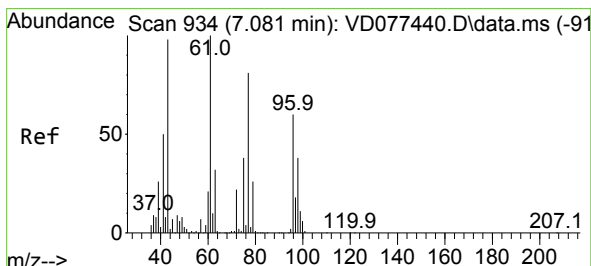
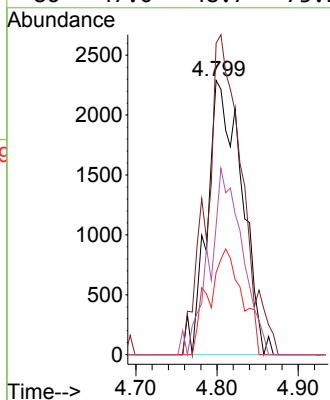
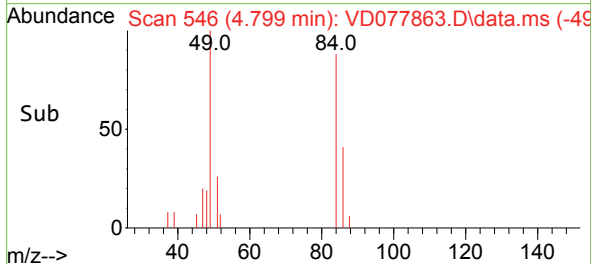


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 547
Delta R.T. -0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

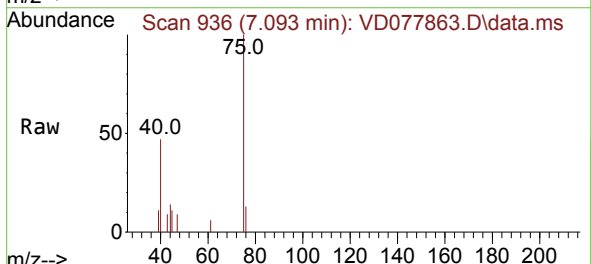
Instrument :
MSVOA_D
ClientSampleId :



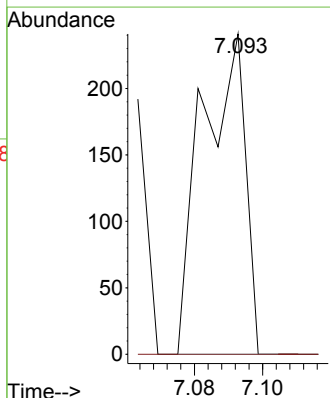
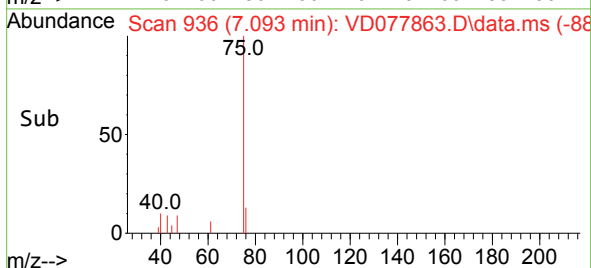
Tgt Ion: 84 Resp: 6771
Ion Ratio Lower Upper
84 100
49 113.6 71.4 107.2#
51 30.0 24.5 36.7
86 47.0 48.7 73.1#

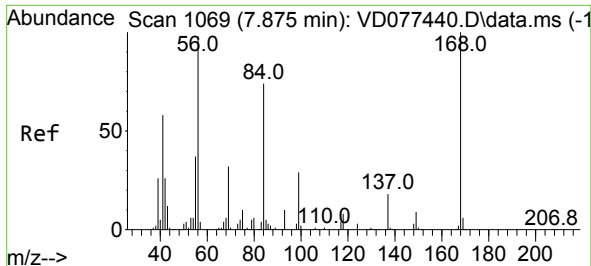


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37



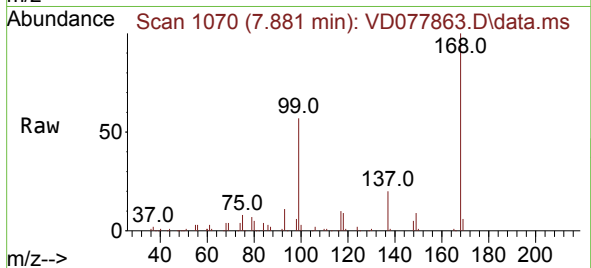
Tgt Ion: 43 Resp: 211
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



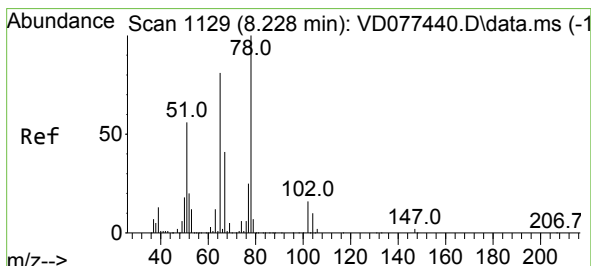
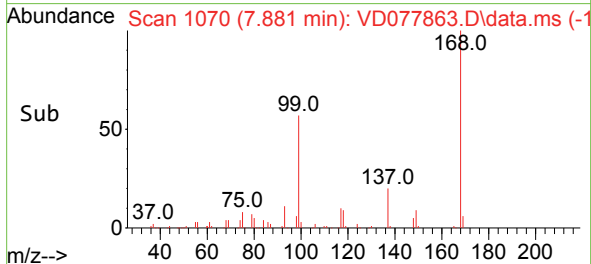
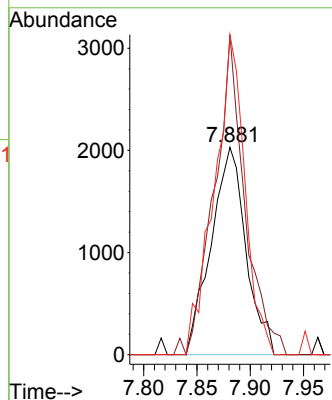


#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Instrument :
MSVOA_D
ClientSampleId :

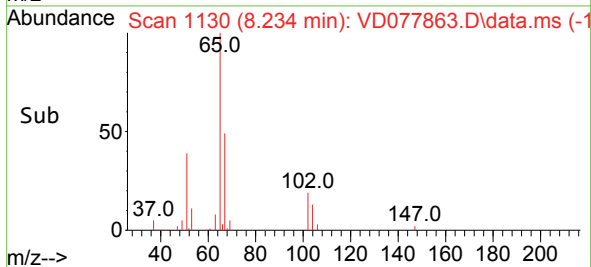
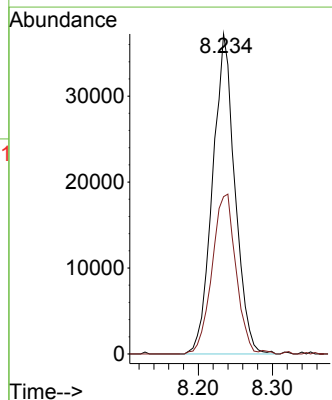
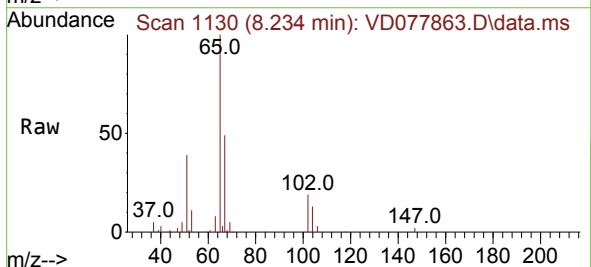


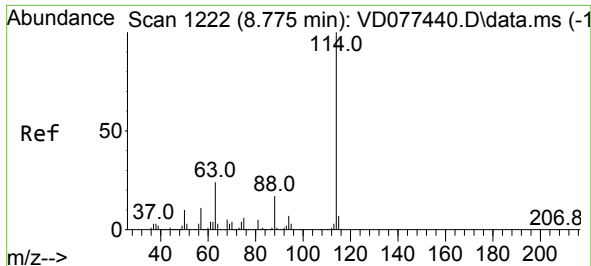
Tgt Ion: 56 Resp: 4619
Ion Ratio Lower Upper
56 100
69 146.3 28.6 43.0#
84 154.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 35.318 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

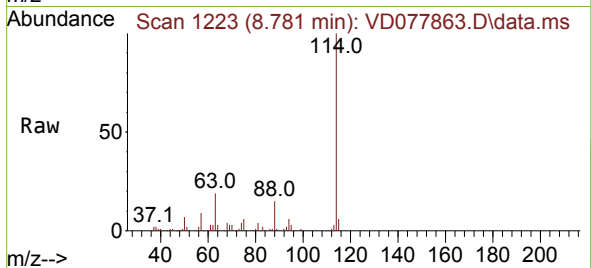
Tgt Ion: 65 Resp: 77766
Ion Ratio Lower Upper
65 100
67 53.3 0.0 115.0



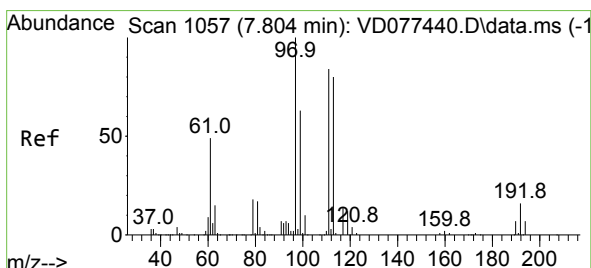
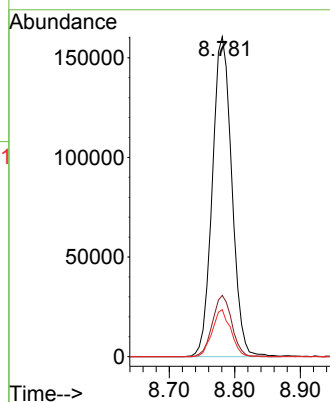
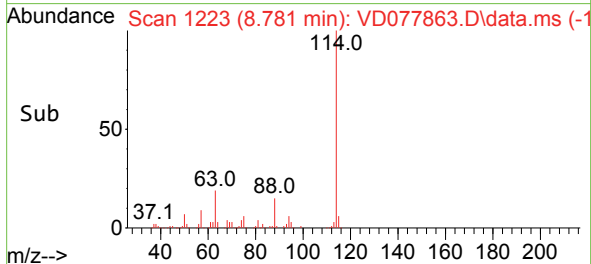


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Instrument :
MSVOA_D
ClientSampleId :

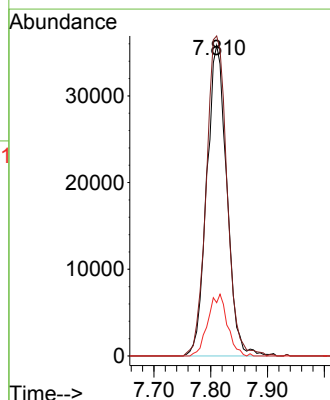
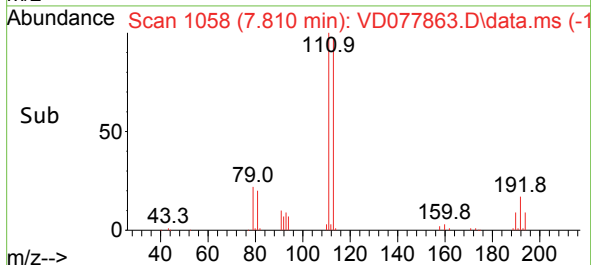
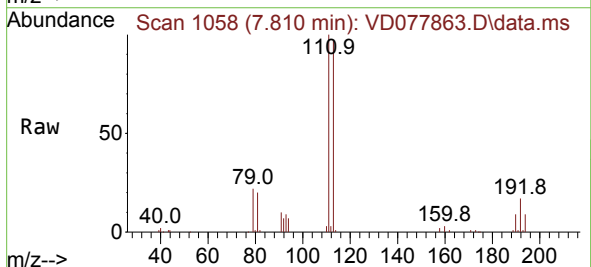


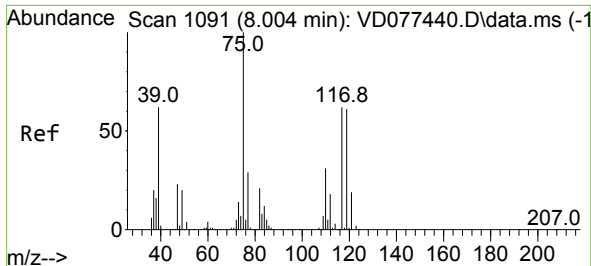
Tgt Ion:114 Resp: 331169
Ion Ratio Lower Upper
114 100
63 19.1 0.0 33.4
88 14.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 37.916 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Tgt Ion:113 Resp: 87955
Ion Ratio Lower Upper
113 100
111 106.2 84.7 127.1
192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.020 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

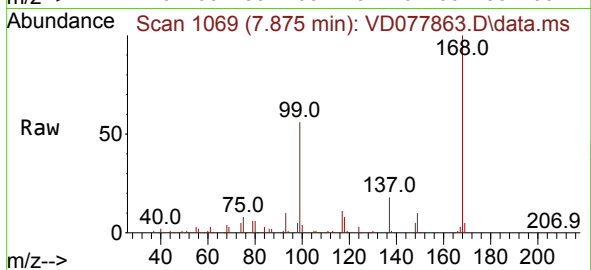
Lab File: VD077863.D

Acq: 13 Dec 2023 15:37

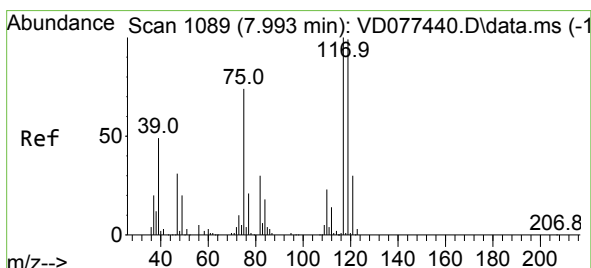
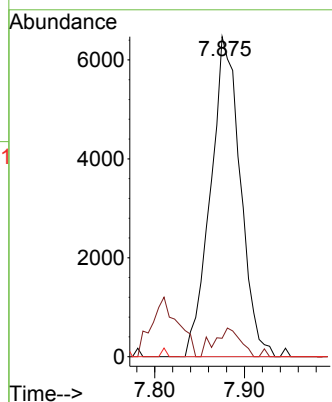
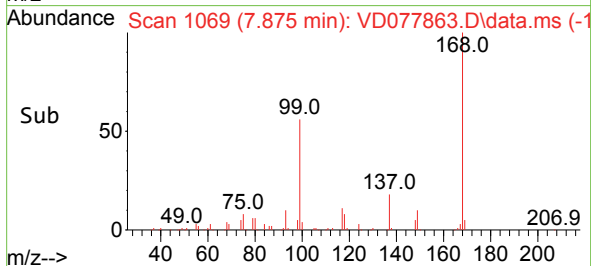
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	14918
Ion Ratio	Lower	Upper	
75	100		
110	7.7	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.211 ug/l

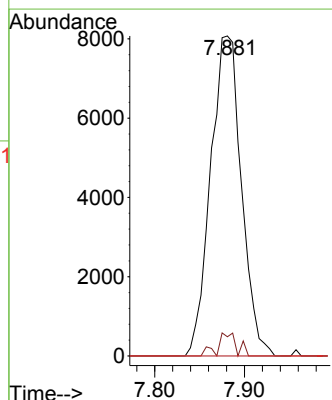
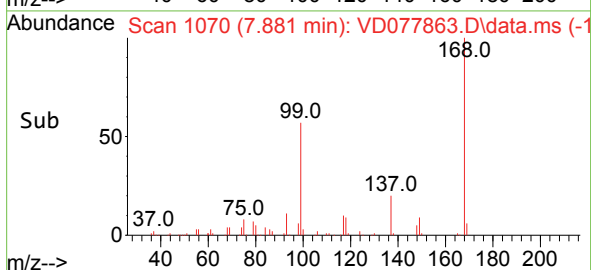
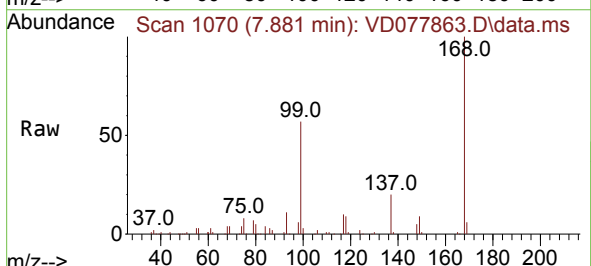
RT: 7.881 min Scan# 1070

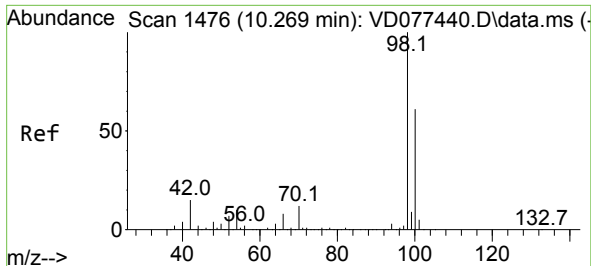
Delta R.T. -0.112 min

Lab File: VD077863.D

Acq: 13 Dec 2023 15:37

Tgt Ion:	117	Resp:	19276
Ion Ratio	Lower	Upper	
117	100		
119	6.0	78.0	117.0#
121	0.0	24.2	36.2#

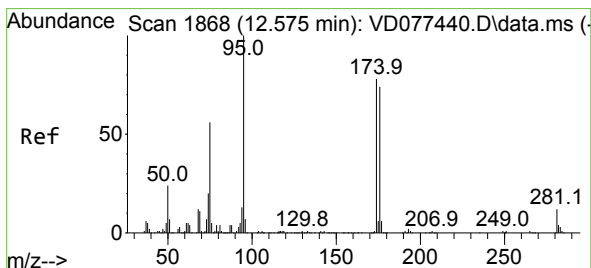
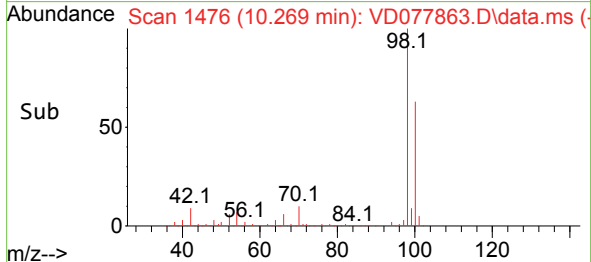
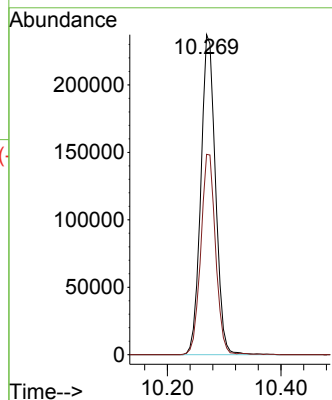
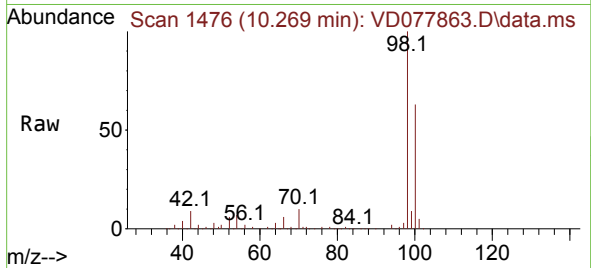




#50
Toluene-d8
Concen: 45.598 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

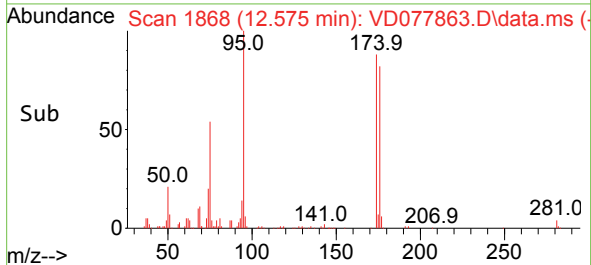
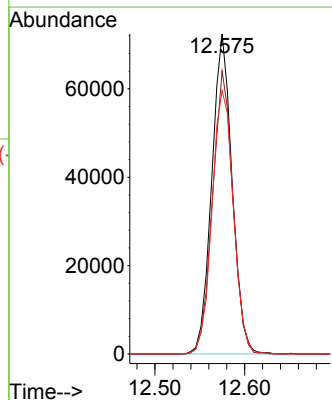
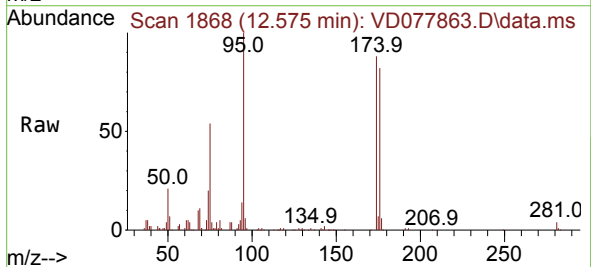
Instrument :
MSVOA_D
ClientSampleId :

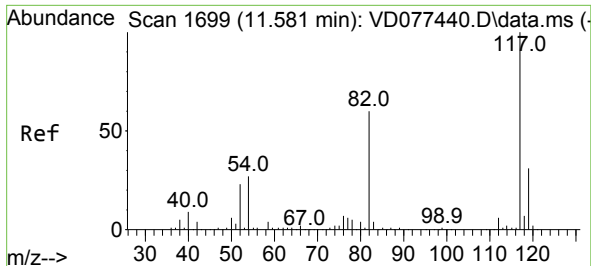
Tgt Ion: 98 Resp: 423640
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.039 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Tgt Ion: 95 Resp: 113996
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 86.5 0.0 191.8

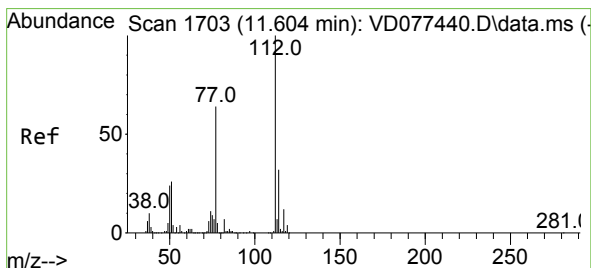
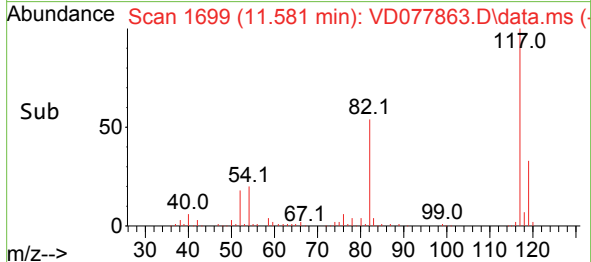
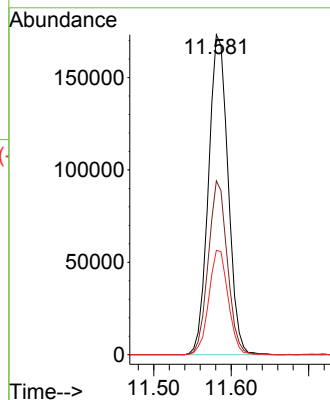
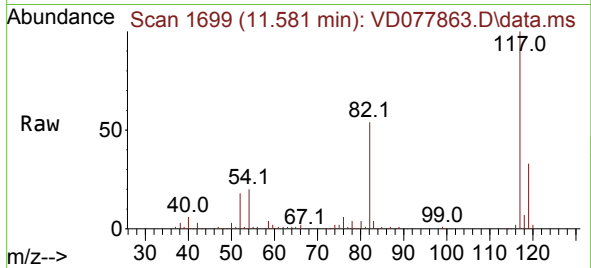




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

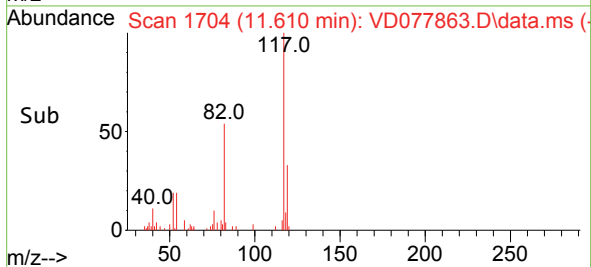
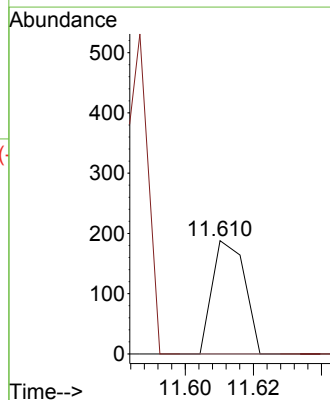
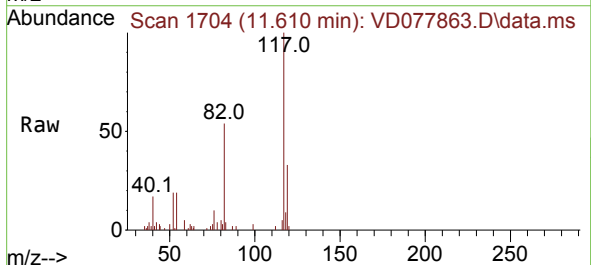
Instrument :
MSVOA_D
ClientSampleId :

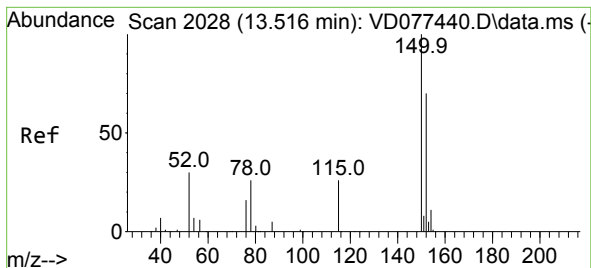
Tgt Ion:117 Resp: 303441
Ion Ratio Lower Upper
117 100
82 54.3 38.3 57.5
119 32.6 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Tgt Ion:112 Resp: 124
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

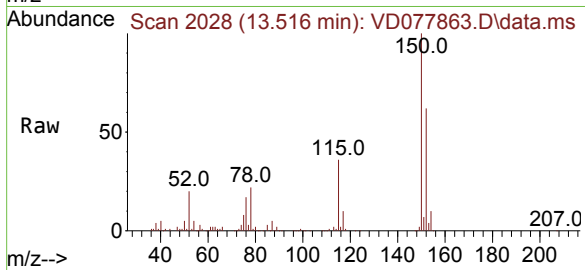
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Acq: 13 Dec 2023 15:37

Instrument :

MSVOA_D

ClientSampleId :



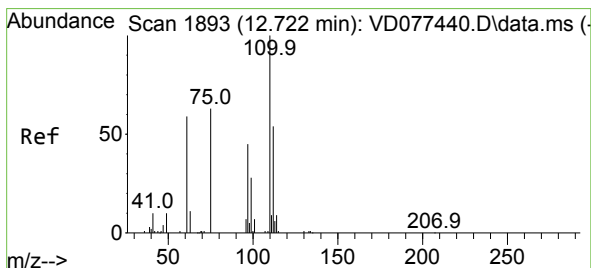
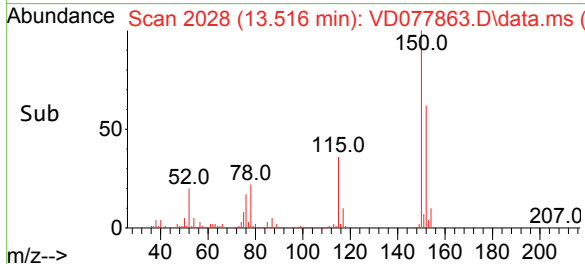
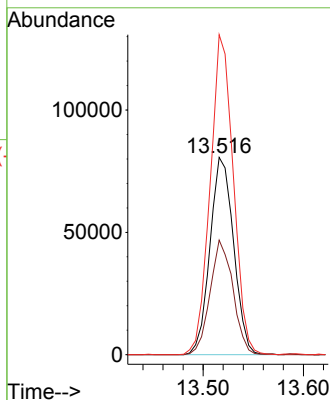
Tgt Ion:152 Resp: 132036

Ion Ratio Lower Upper

152 100

115 56.2 27.1 81.3

150 158.4 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.691 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077863.D

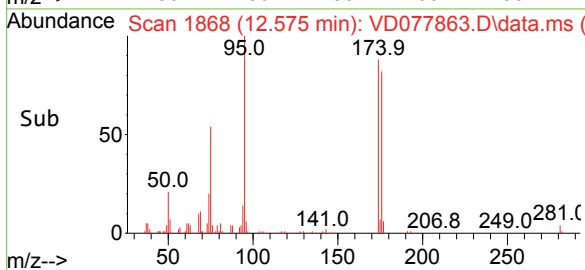
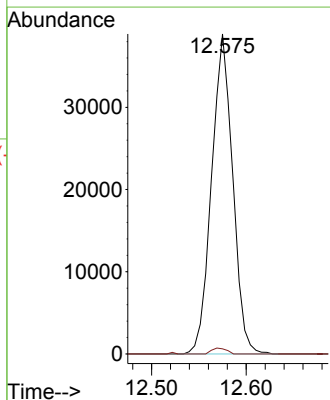
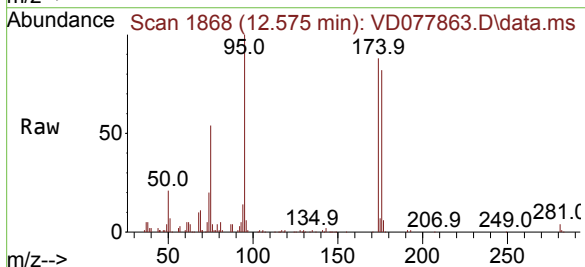
Acq: 13 Dec 2023 15:37

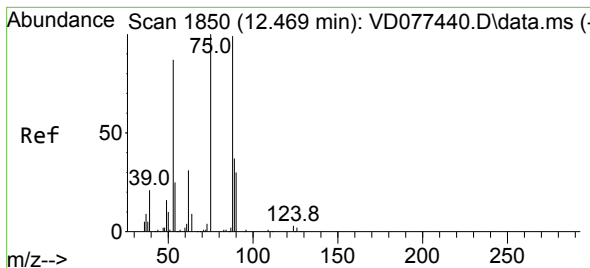
Tgt Ion: 75 Resp: 60423

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

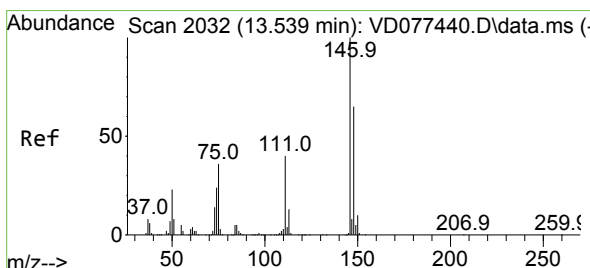
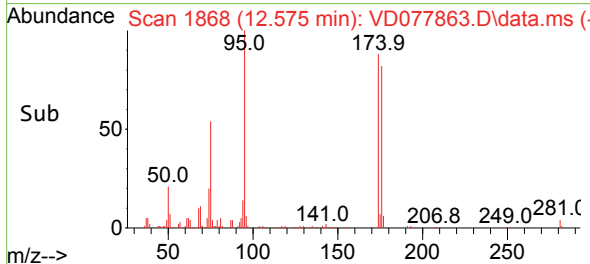
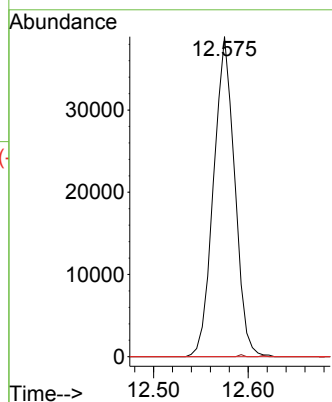
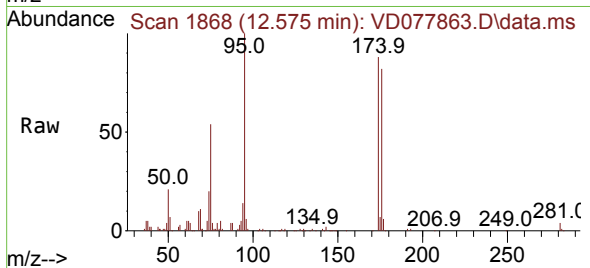




#81
trans-1,4-Dichloro-2-butene
Concen: 106.756 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077863.D
Acq: 13 Dec 2023 15:37

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60423
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 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: VD077863.D
Acq: 13 Dec 2023 15:37

Tgt Ion: 146 Resp: 329
Ion Ratio Lower Upper
146 100
111 627.4 17.4 52.3#
148 301.2 31.7 95.1#

