

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077825.D
 Acq On : 11 Dec 2023 21:31
 Operator : JC/SY
 Sample : 05692-01
 Misc : 5.17G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:53:09 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)

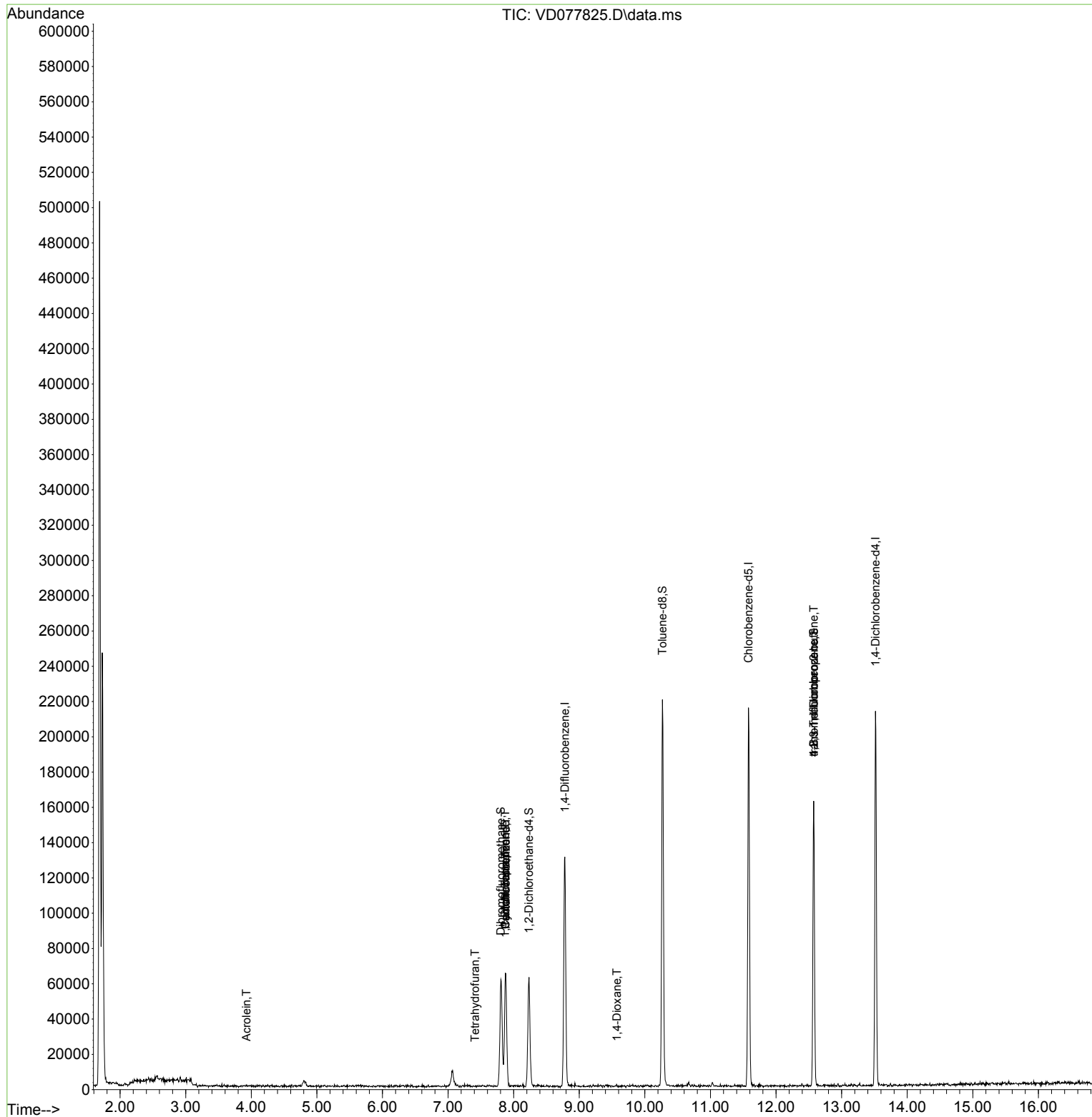
Internal Standards						
1) Pentafluorobenzene	7.881	168	50298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	117173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	124110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	59042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	47581	80.280	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 160.560%			
35) Dibromofluoromethane	7.804	113	44170	53.816	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.640%			
50) Toluene-d8	10.269	98	157439	47.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.575	95	48782	49.636	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.280%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.081	59	55	Below Cal	#	73
13) Acrolein	3.928	56	64	1.021	ug/l #	15
16) Acetone	4.028	43	138	Below Cal	#	32
20) Methylene Chloride	4.805	84	2421	Below Cal	#	82
25) 2-Butanone	7.081	43	644	Below Cal	#	37
29) Tetrahydrofuran	7.410	42	111	1.176	ug/l #	23
31) Cyclohexane	7.875	56	1416	1.343	ug/l #	46
36) 1,1-Dichloropropene	7.869	75	4113	3.133	ug/l #	44
38) Carbon Tetrachloride	7.875	117	4920	3.759	ug/l #	11
49) 1,4-Dioxane	9.575	88	58	12.187	ug/l #	2
65) Chlorobenzene	11.610	112	290	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	26552	51.780	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	26552	104.910	ug/l #	17
88) 1,4-Dichlorobenzene	13.534	146	168	Below Cal	#	65
92) 1,2-Dibromo-3-Chloropr...	14.657	75	60	Below Cal	#	1

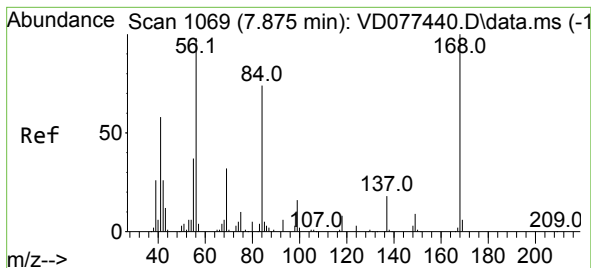
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 00:53:09 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

Instrument :

MSVOA_D

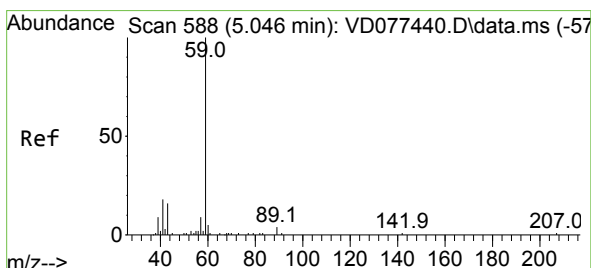
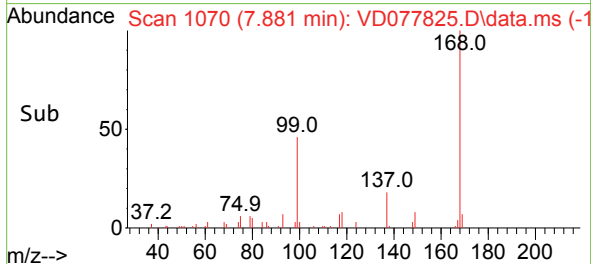
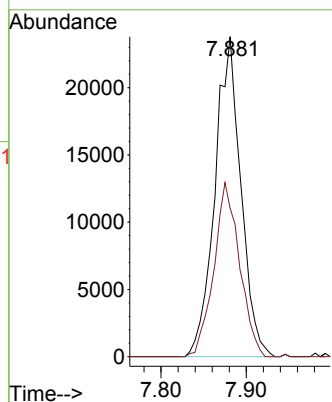
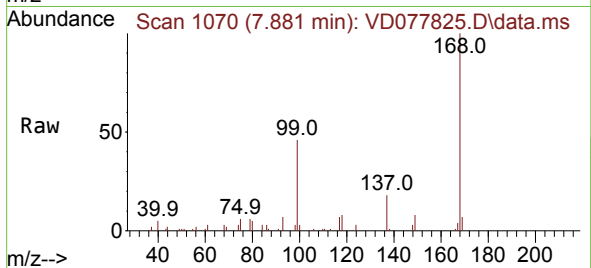
ClientSampleId :

Tgt Ion:168 Resp: 50298

Ion Ratio Lower Upper

168 100

99 46.4 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.081 min Scan# 594

Delta R.T. 0.035 min

Lab File: VD077825.D

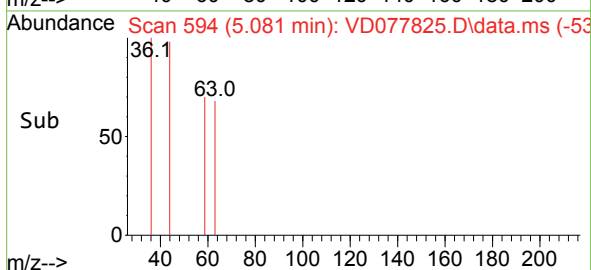
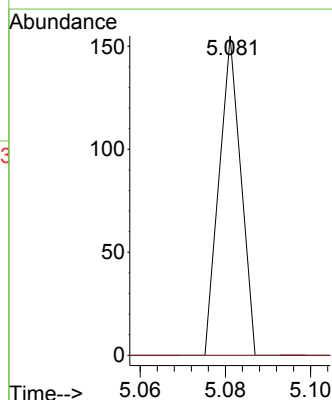
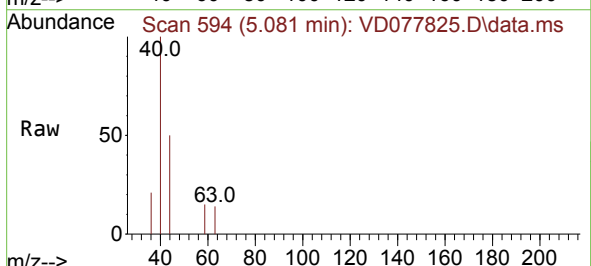
Acq: 11 Dec 2023 21:31

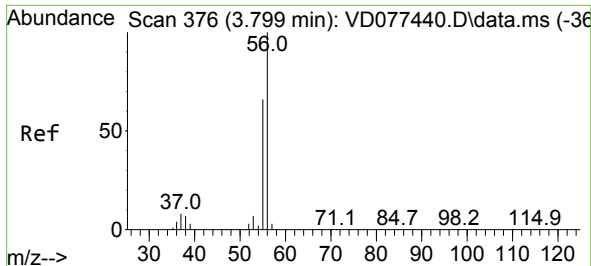
Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

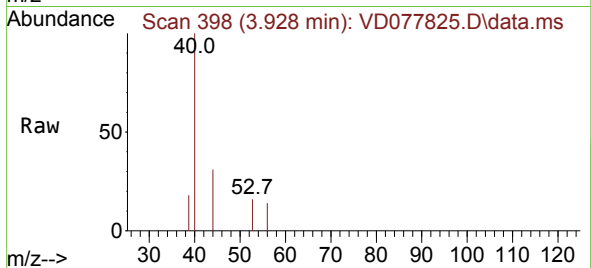
57 0.0 7.8 11.8#



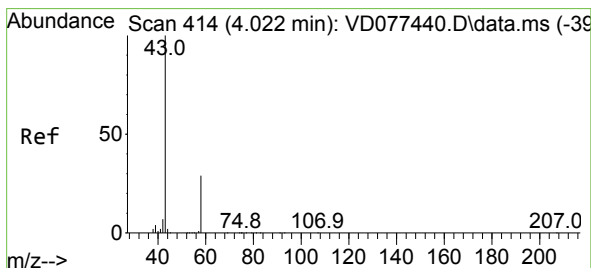
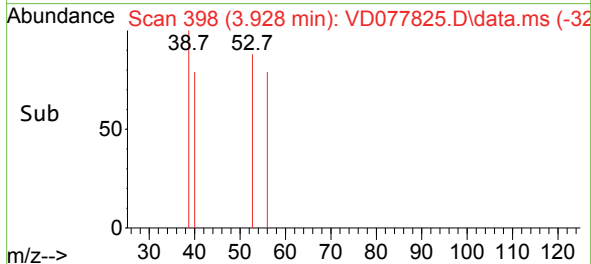
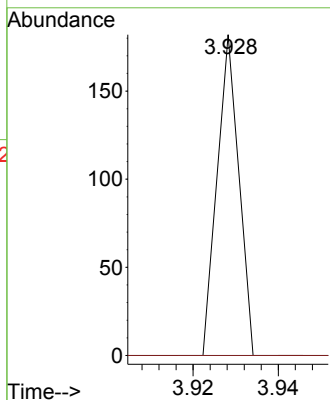


#13
Acrolein
Concen: 1.021 ug/l
RT: 3.928 min Scan# 398
Delta R.T. 0.129 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Instrument :
MSVOA_D
ClientSampleId :

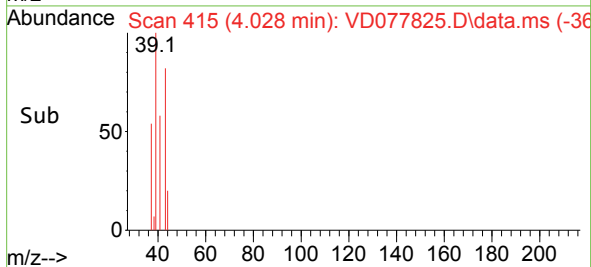
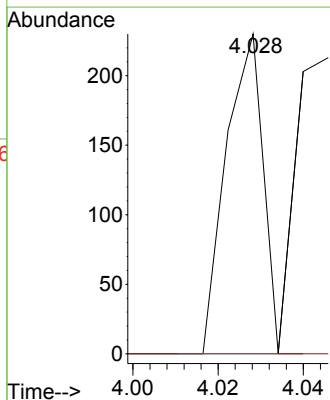
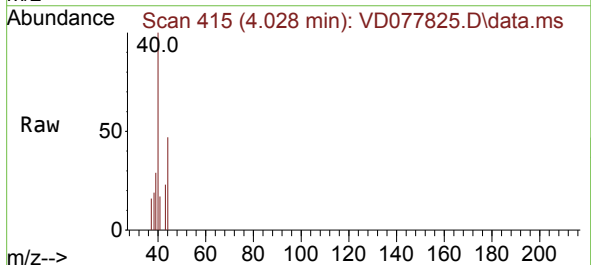


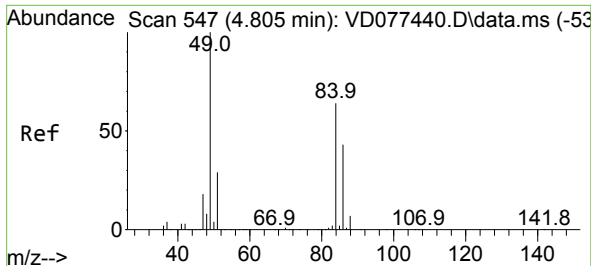
Tgt Ion: 56 Resp: 64
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

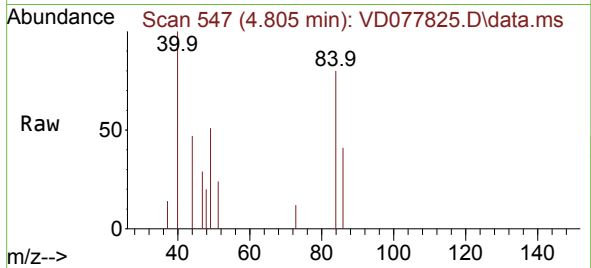
Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



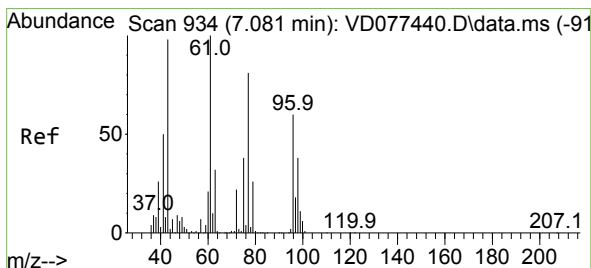
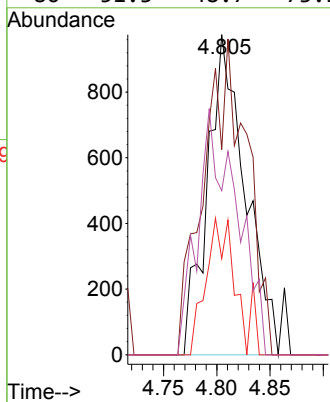
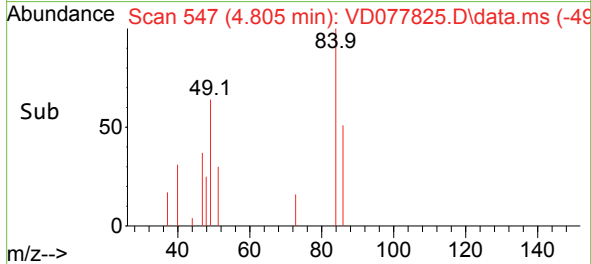


#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Instrument :
MSVOA_D
ClientSampleId :

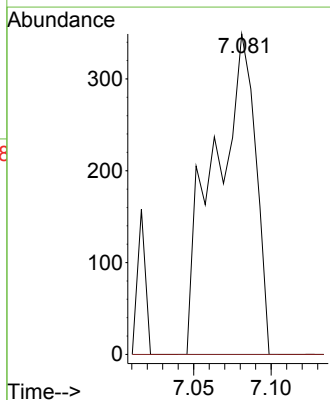
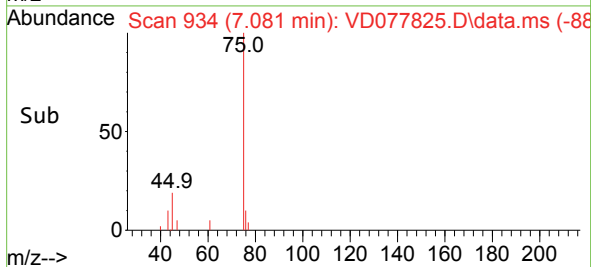
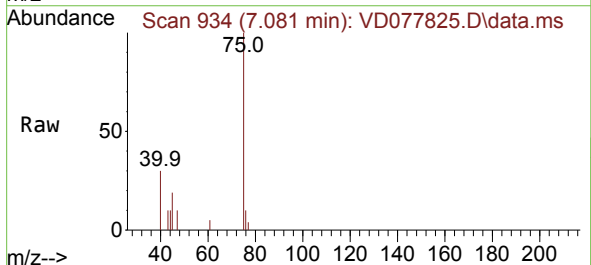


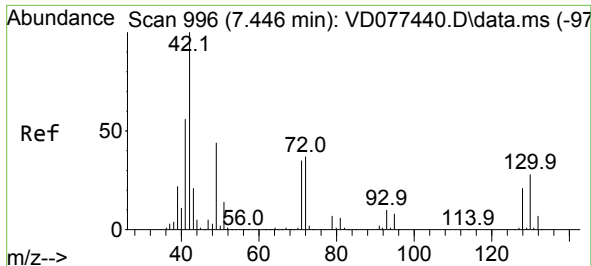
Tgt Ion: 84 Resp: 2421
Ion Ratio Lower Upper
84 100
49 64.1 71.4 107.2#
51 30.1 24.5 36.7
86 51.3 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Tgt Ion: 43 Resp: 644
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





#29

Tetrahydrofuran

Concen: 1.176 ug/l

RT: 7.410 min Scan# 996

Delta R.T. -0.036 min

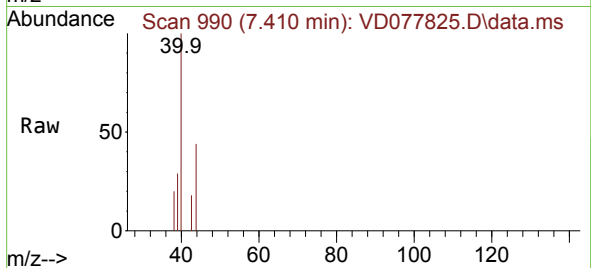
Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

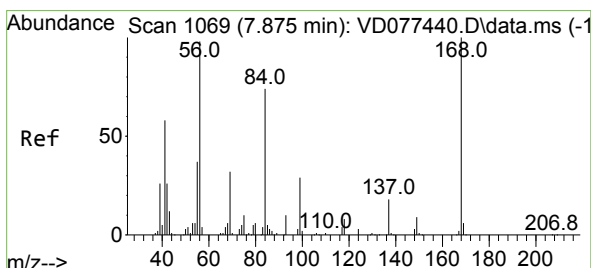
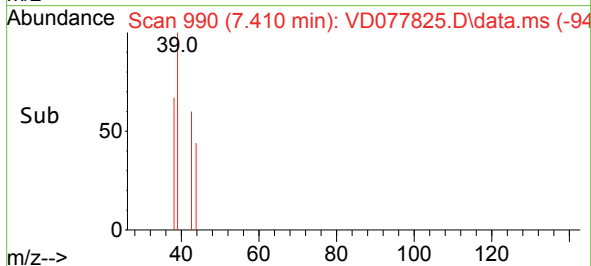
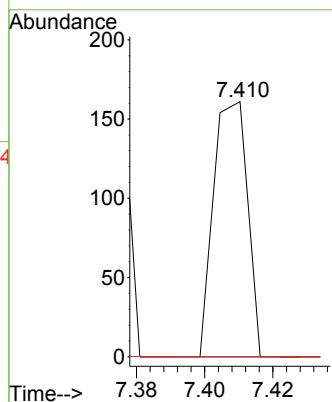
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	111
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	0.0	44.5	66.7#



#31

Cyclohexane

Concen: 1.343 ug/l

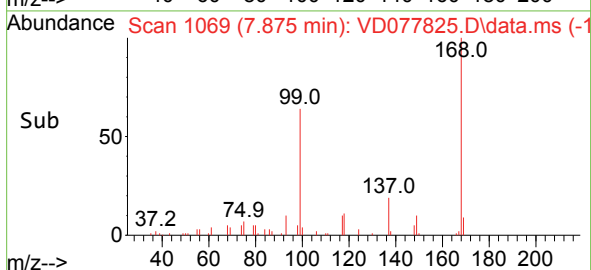
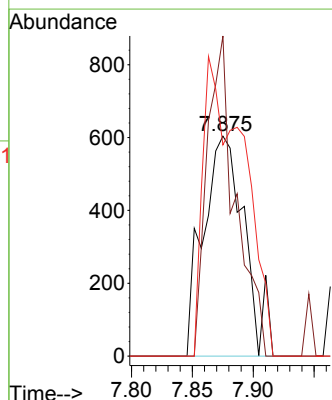
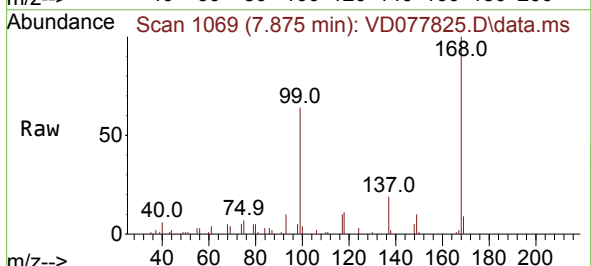
RT: 7.875 min Scan# 1069

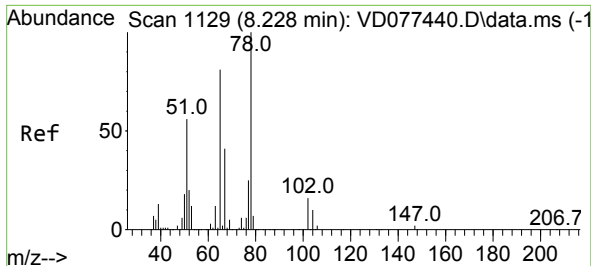
Delta R.T. 0.000 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

Tgt Ion:	56	Resp:	1416
Ion	Ratio	Lower	Upper
56	100		
69	145.5	28.6	43.0#
84	96.0	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 80.280 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

Instrument :

MSVOA_D

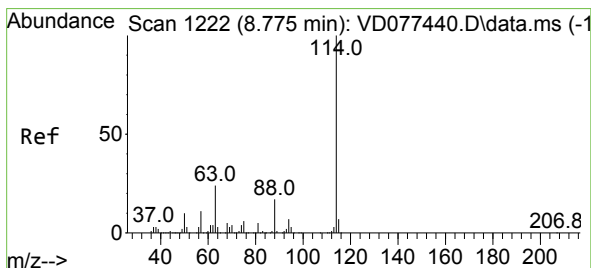
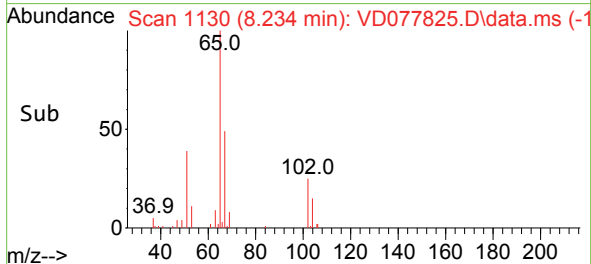
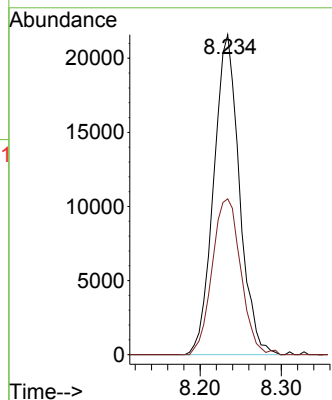
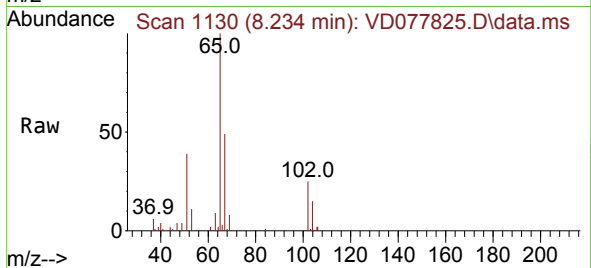
ClientSampleId :

Tgt Ion: 65 Resp: 47581

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

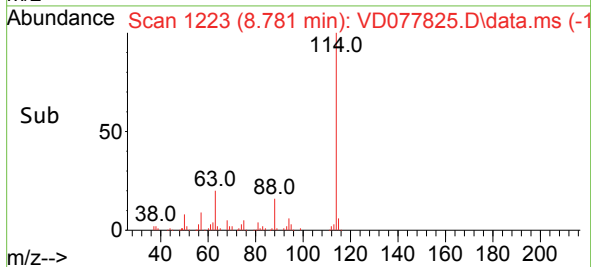
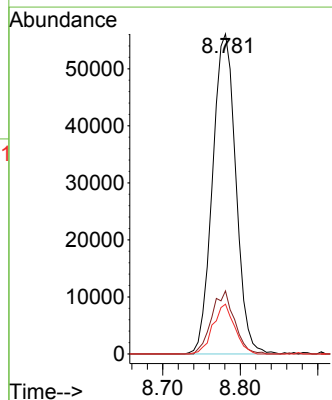
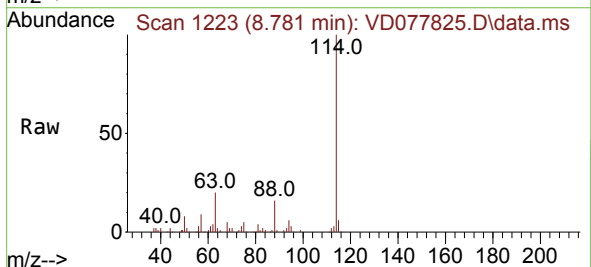
Tgt Ion: 114 Resp: 117173

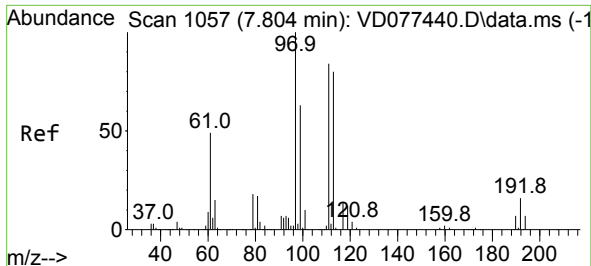
Ion Ratio Lower Upper

114 100

63 19.7 0.0 33.4

88 15.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 53.816 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

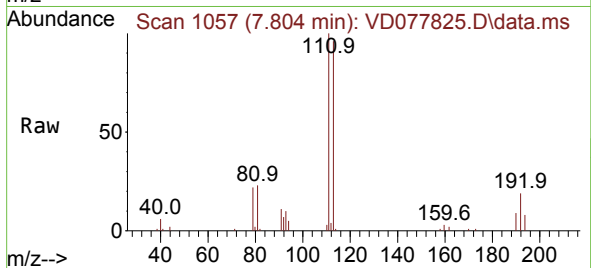
Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

Instrument :

MSVOA_D

ClientSampleId :



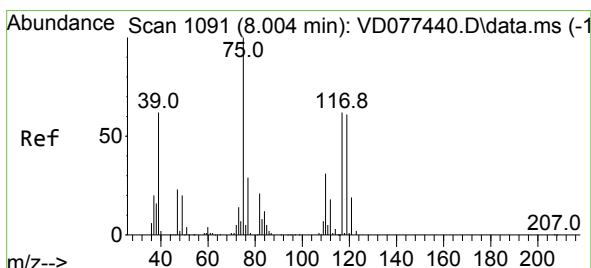
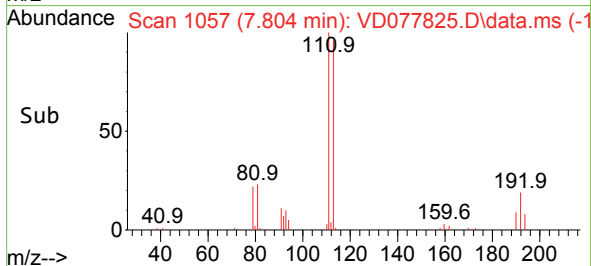
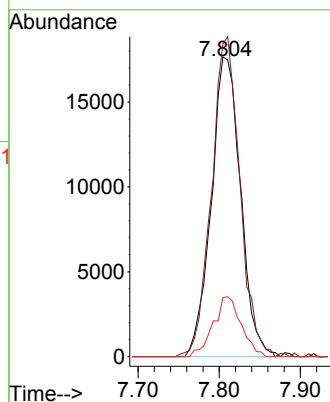
Tgt Ion:113 Resp: 44170

Ion Ratio Lower Upper

113 100

111 103.5 84.7 127.1

192 19.1 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.133 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

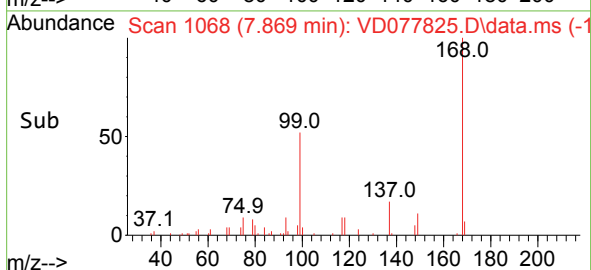
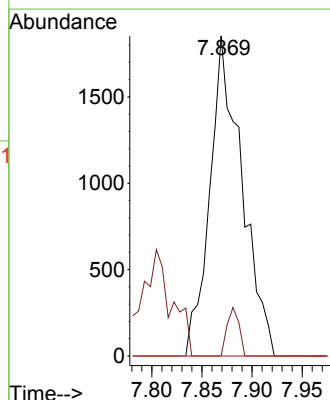
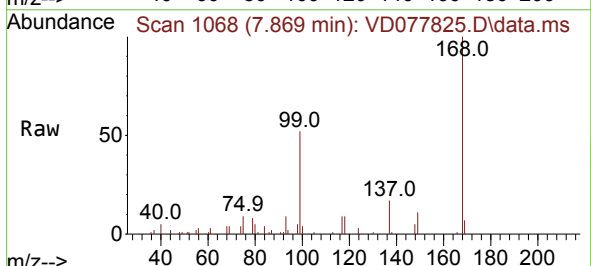
Tgt Ion: 75 Resp: 4113

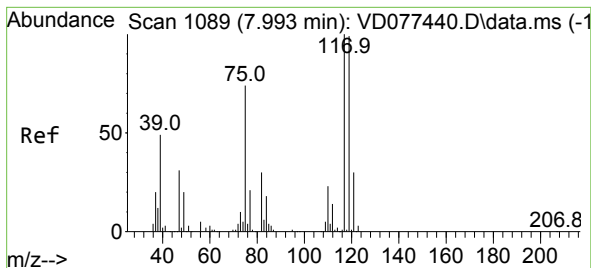
Ion Ratio Lower Upper

75 100

110 5.6 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.759 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

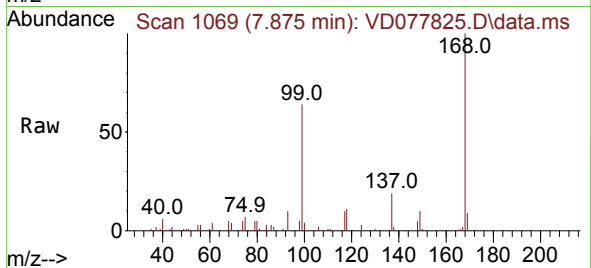
Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

Instrument :

MSVOA_D

ClientSampleId :



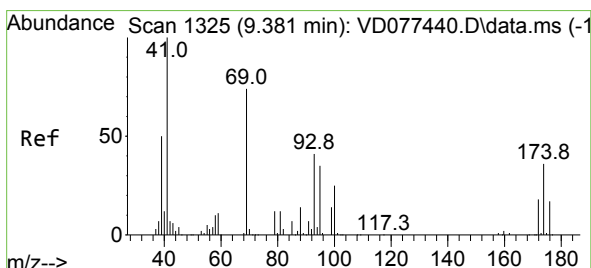
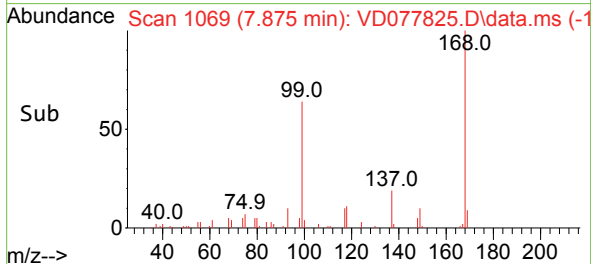
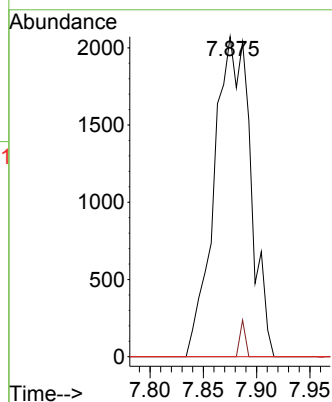
Tgt Ion:117 Resp: 4920

Ion Ratio Lower Upper

117 100

119 0.0 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 12.187 ug/l

RT: 9.575 min Scan# 1358

Delta R.T. 0.194 min

Lab File: VD077825.D

Acq: 11 Dec 2023 21:31

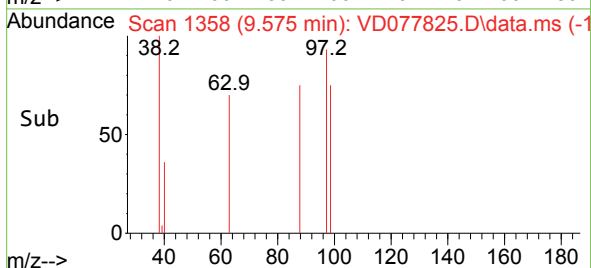
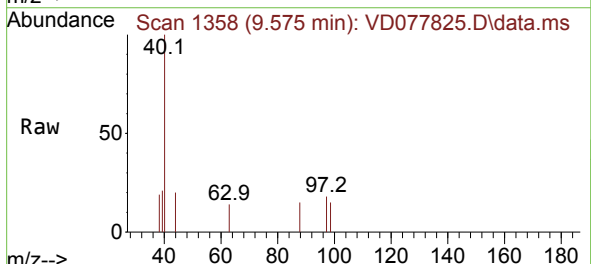
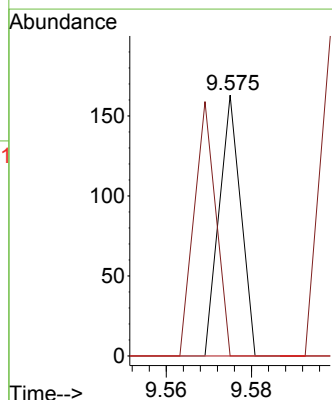
Tgt Ion: 88 Resp: 58

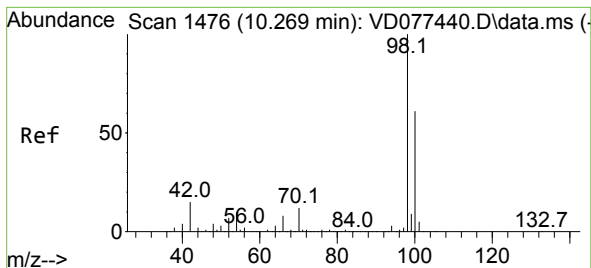
Ion Ratio Lower Upper

88 100

43 96.6 19.0 28.6#

58 0.0 43.5 65.3#

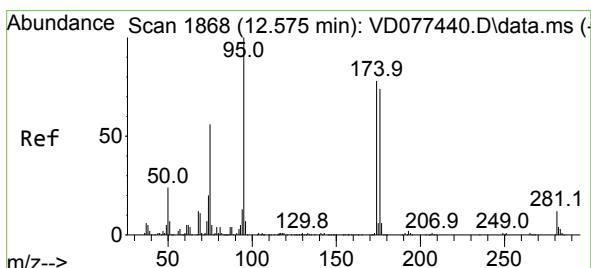
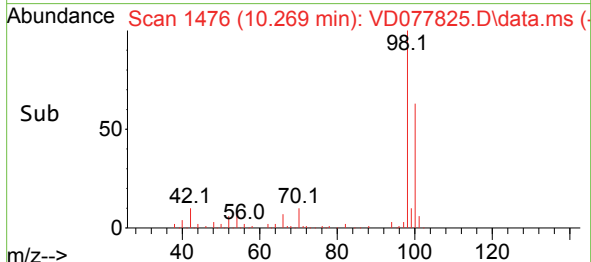
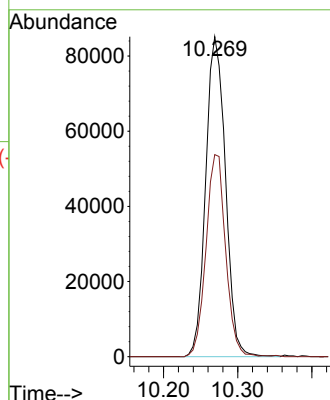
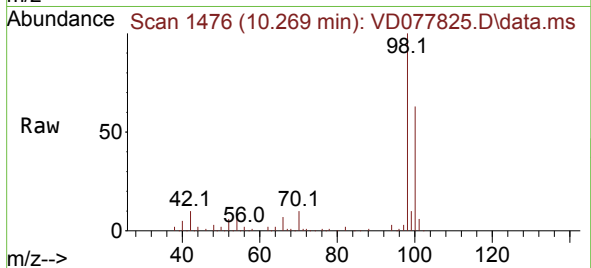




#50
Toluene-d8
Concen: 47.894 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

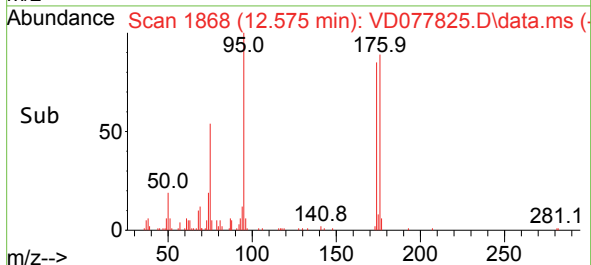
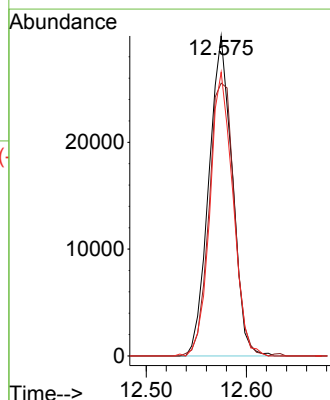
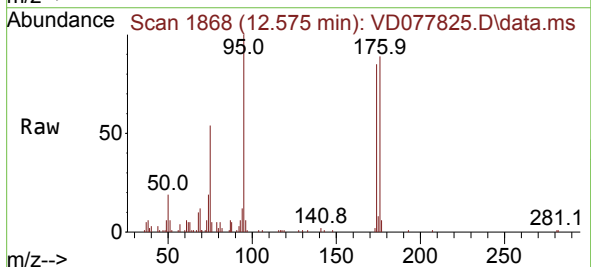
Instrument :
MSVOA_D
ClientSampleId :

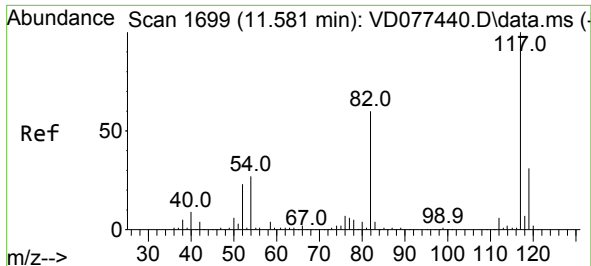
Tgt Ion: 98 Resp: 157439
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 49.636 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Tgt Ion: 95 Resp: 48782
Ion Ratio Lower Upper
95 100
174 91.7 0.0 201.8
176 86.6 0.0 191.8

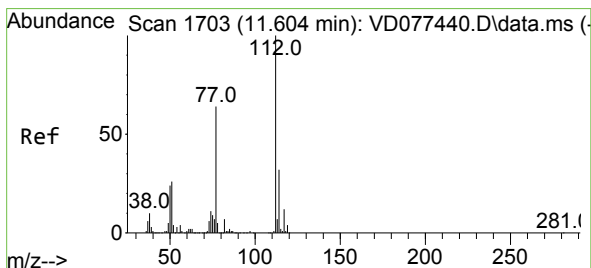
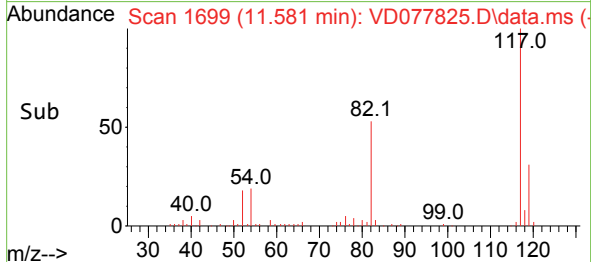
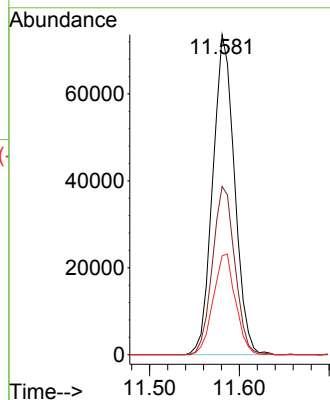
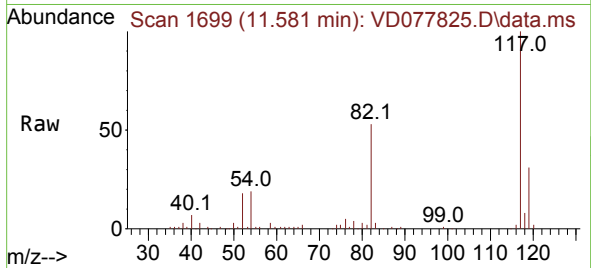




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

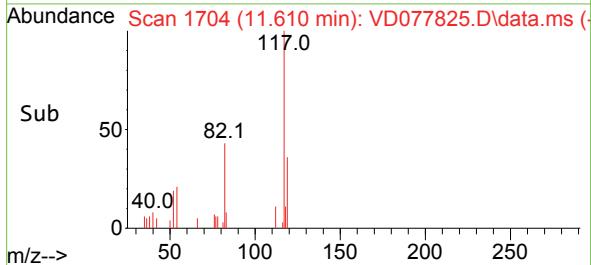
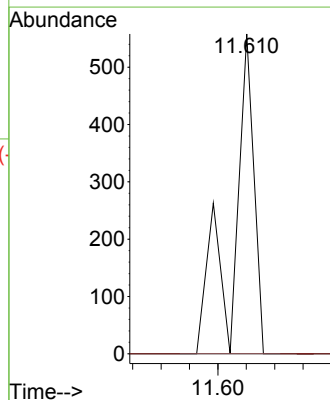
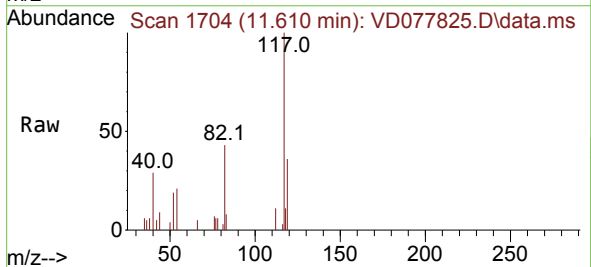
Instrument :
MSVOA_D
ClientSampleId :

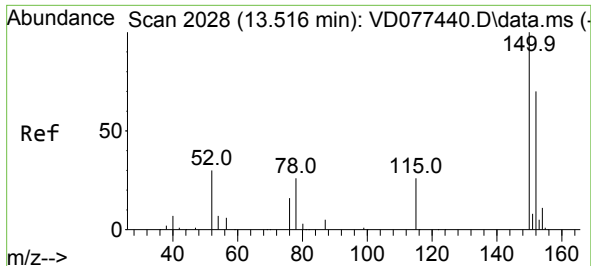
Tgt Ion:117 Resp: 124110
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 30.9 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Tgt Ion:112 Resp: 290
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

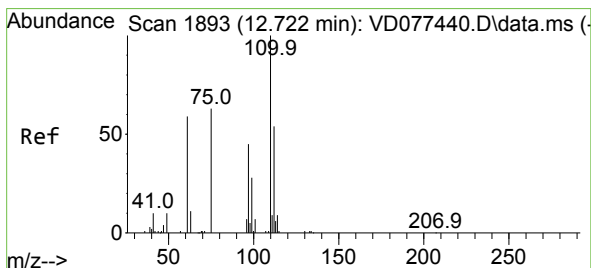
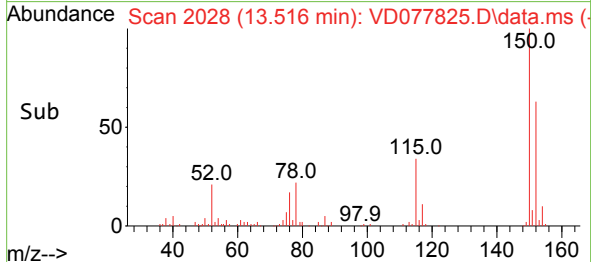
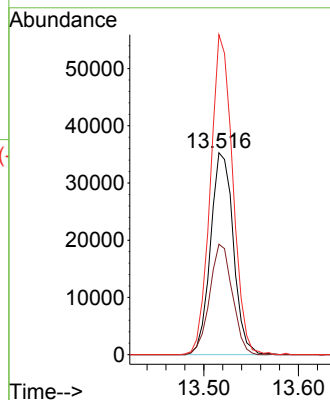
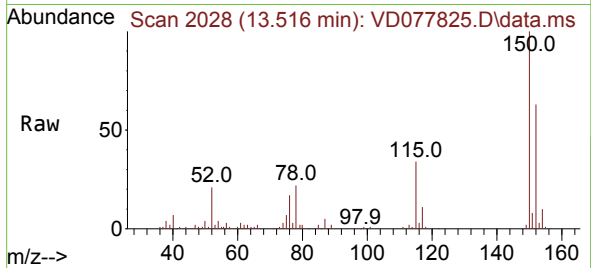




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD077825.D
 Acq: 11 Dec 2023 21:31

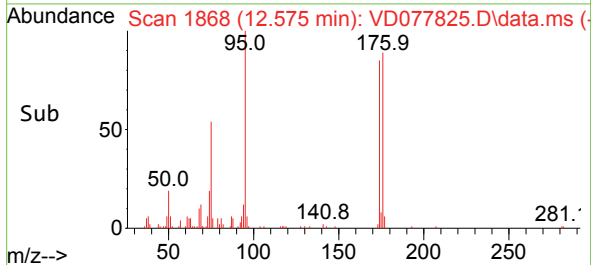
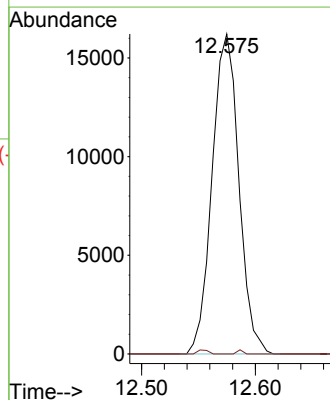
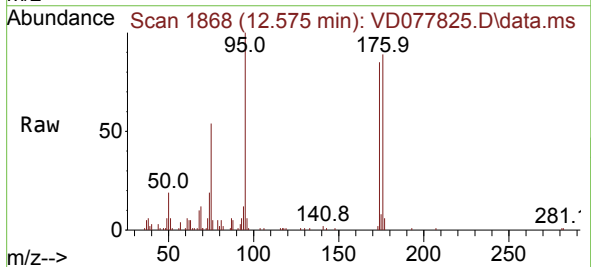
Instrument :
 MSVOA_D
 ClientSampleId :

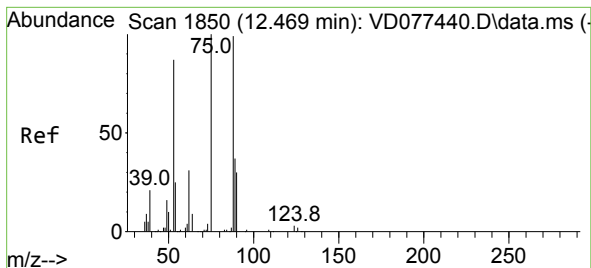
Tgt Ion:152 Resp: 59042
 Ion Ratio Lower Upper
 152 100
 115 54.5 27.1 81.3
 150 155.2 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.780 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077825.D
 Acq: 11 Dec 2023 21:31

Tgt Ion: 75 Resp: 26552
 Ion Ratio Lower Upper
 75 100
 77 0.3 0.0 0.0#

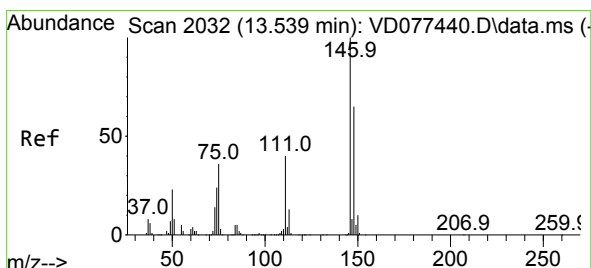
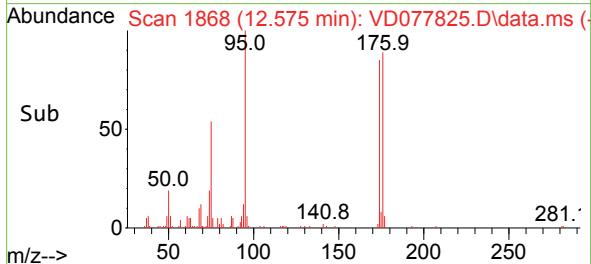
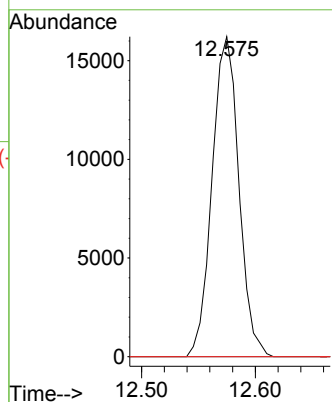
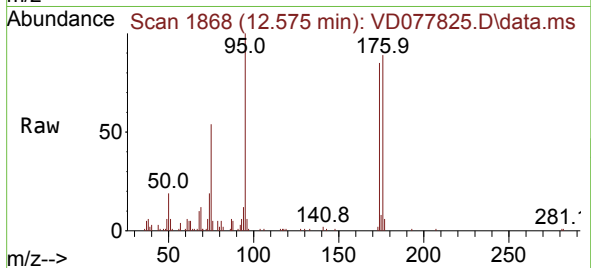




#81
trans-1,4-Dichloro-2-butene
Concen: 104.910 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077825.D
Acq: 11 Dec 2023 21:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 26552
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 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: VD077825.D
Acq: 11 Dec 2023 21:31

Tgt Ion: 146 Resp: 168
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 46.4 31.7 95.1

