

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077822.D
 Acq On : 11 Dec 2023 20:10
 Operator : JC/SY
 Sample : 05628-05
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0

Quant Time: Dec 12 00:52:03 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)

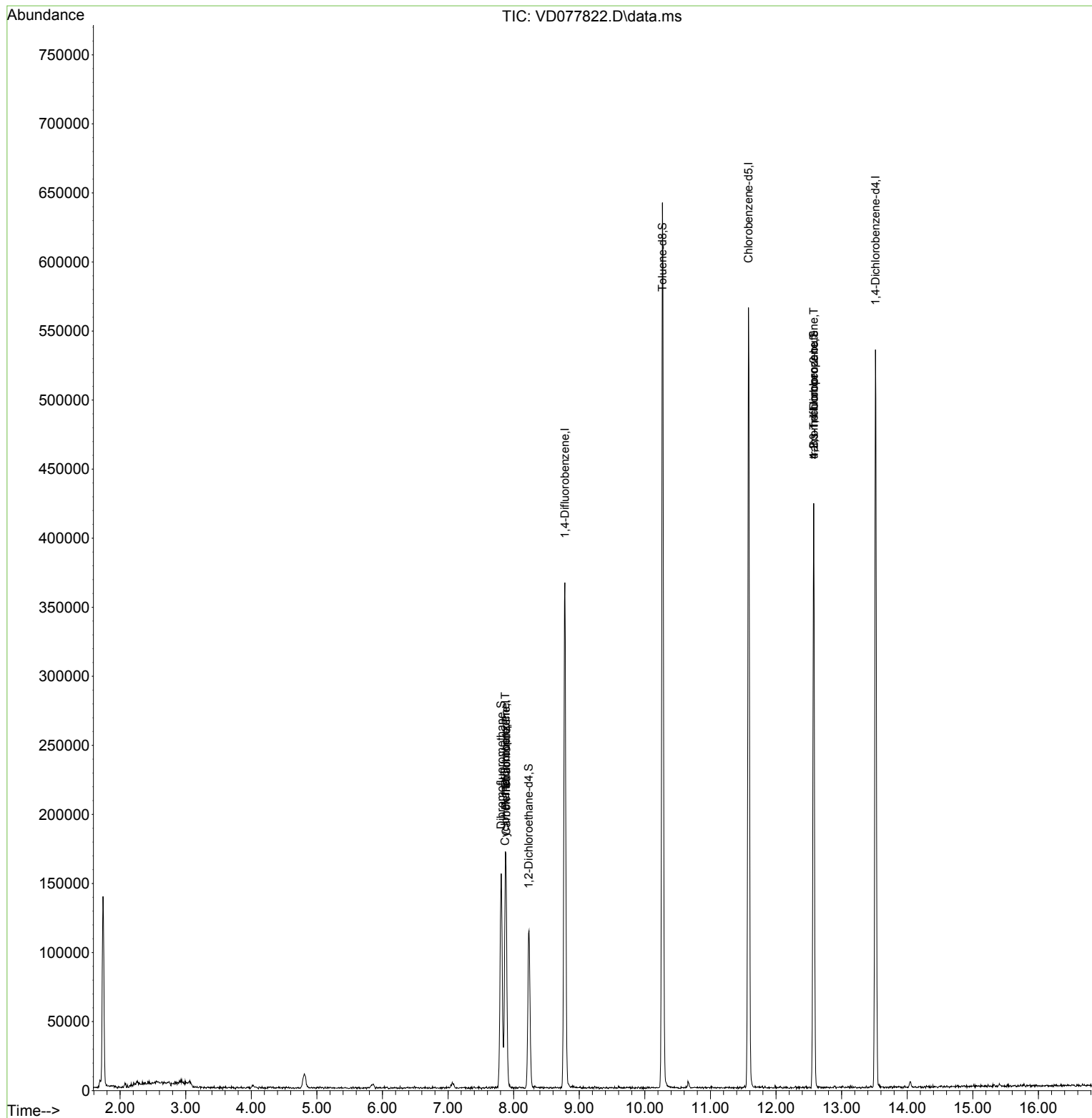
Internal Standards						
1) Pentafluorobenzene	7.881	168	134631	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	327706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	325274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	143507	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89299	56.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.580%			
35) Dibromofluoromethane	7.810	113	109026	47.496	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.000%			
50) Toluene-d8	10.269	98	439211	47.773	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.540%			
62) 4-Bromofluorobenzene	12.575	95	125112	45.517	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.040%			
Target Compounds						
11) Tert butyl alcohol	4.869	59	64	Below Cal	#	73
16) Acetone	4.028	43	2424	Below Cal	#	74
20) Methylene Chloride	4.811	84	7899	Below Cal		90
25) 2-Butanone	7.093	43	125	Below Cal	#	37
31) Cyclohexane	7.869	56	3058	1.084	ug/l	# 40
36) 1,1-Dichloropropene	7.875	75	11258	3.066	ug/l	# 47
38) Carbon Tetrachloride	7.887	117	13299	3.633	ug/l	# 14
65) Chlorobenzene	11.598	112	308	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	64204	51.513	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	64204	104.369	ug/l	# 17
88) 1,4-Dichlorobenzene	13.534	146	615	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.451	75	65	Below Cal	#	1

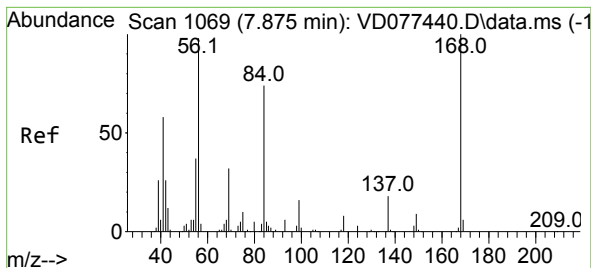
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1069

Delta R.T. 0.006 min

Lab File: VD077822.D

Acq: 11 Dec 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

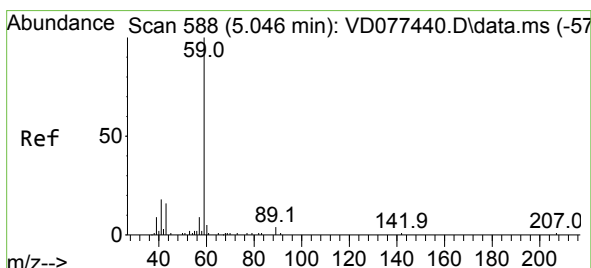
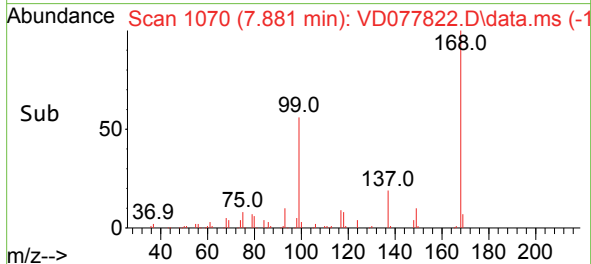
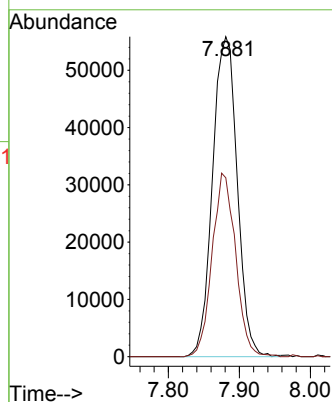
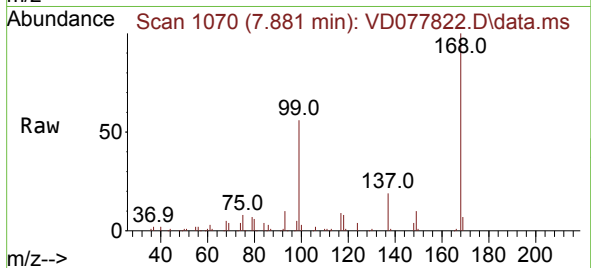
SB-04-7.5-8.0

Tgt Ion:168 Resp: 134631

Ion Ratio Lower Upper

168 100

99 55.9 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.869 min Scan# 558

Delta R.T. -0.177 min

Lab File: VD077822.D

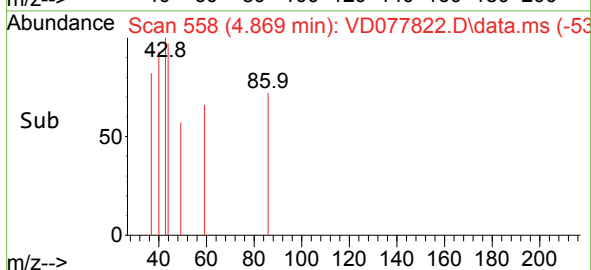
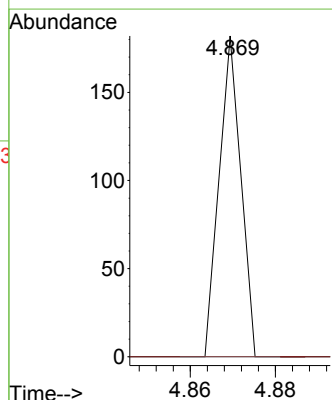
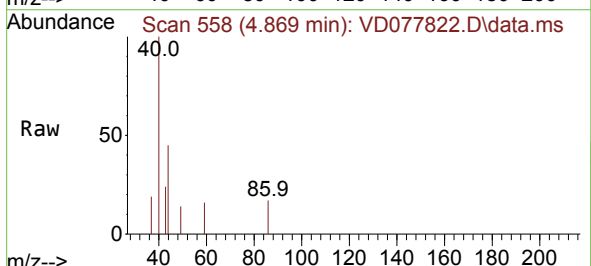
Acq: 11 Dec 2023 20:10

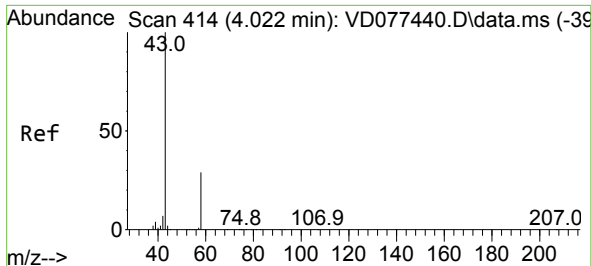
Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

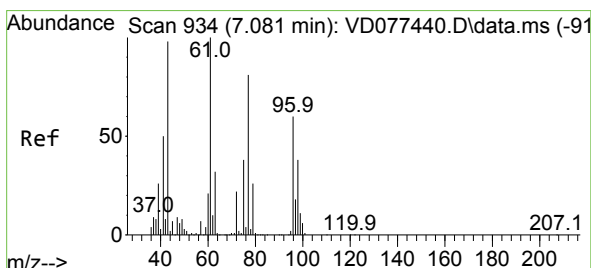
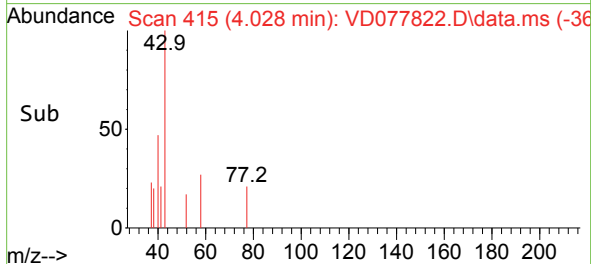
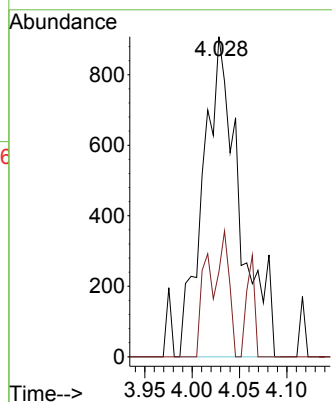
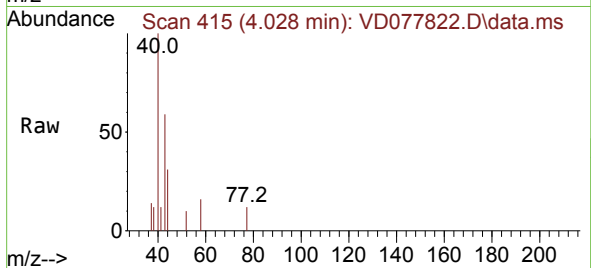




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

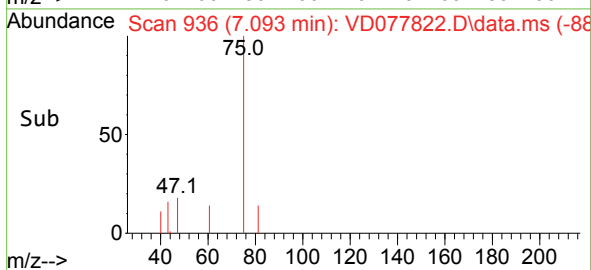
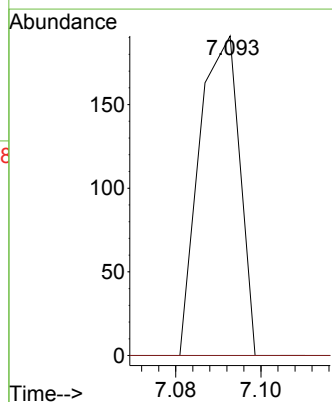
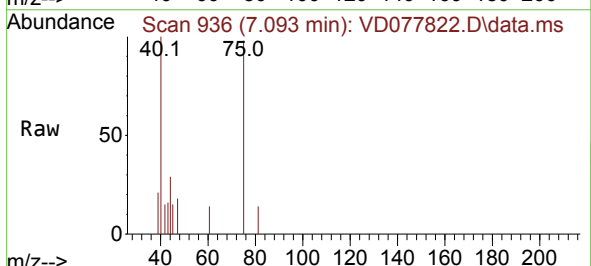
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

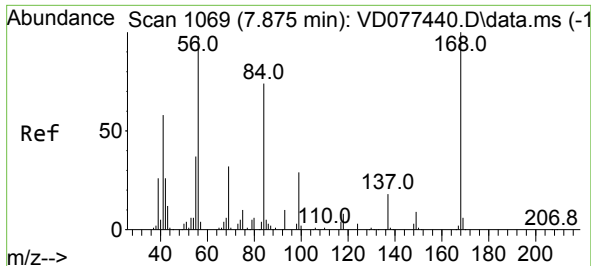
Tgt Ion: 43 Resp: 2424
Ion Ratio Lower Upper
43 100
58 26.5 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#

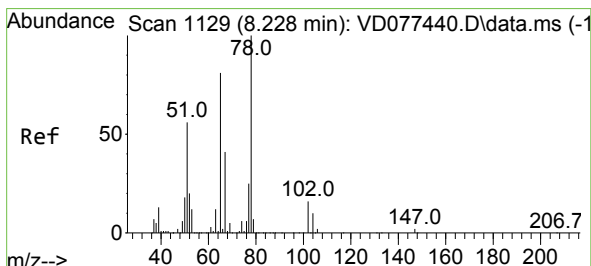
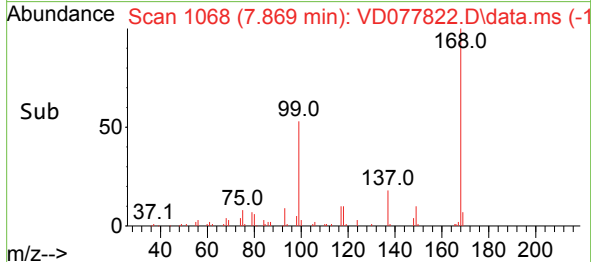
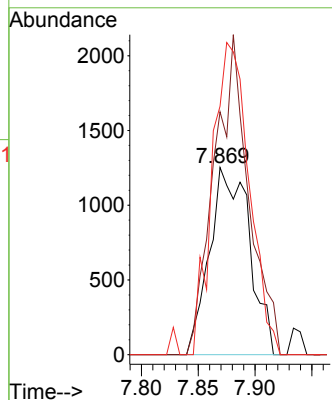
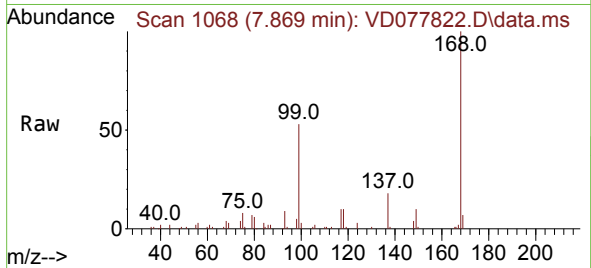




#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

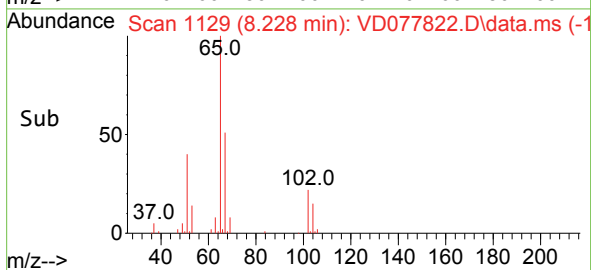
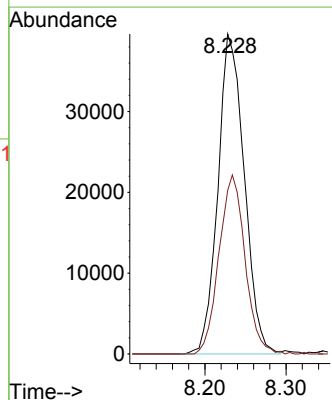
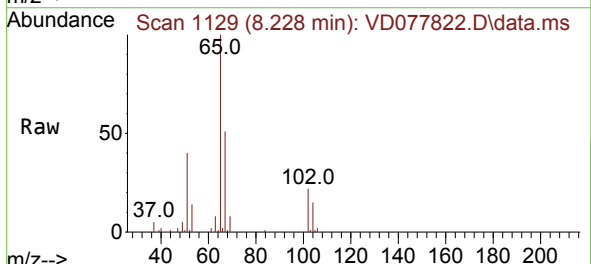
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

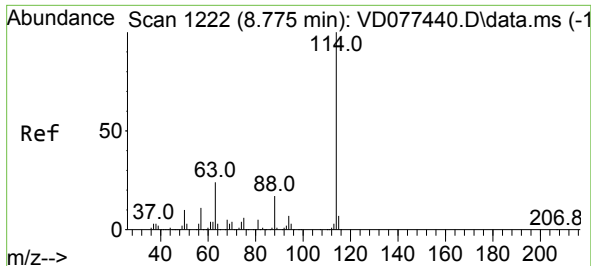
Tgt Ion: 56 Resp: 3058
Ion Ratio Lower Upper
56 100
69 129.7 28.6 43.0#
84 132.7 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 56.289 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 65 Resp: 89299
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0

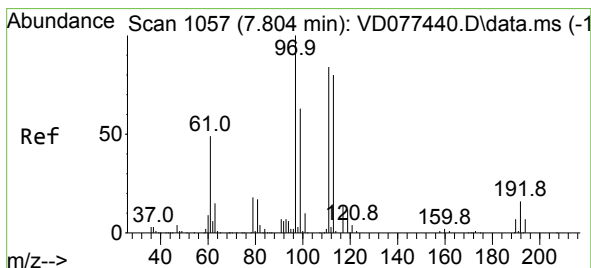
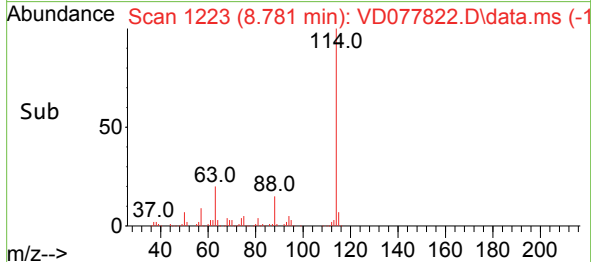
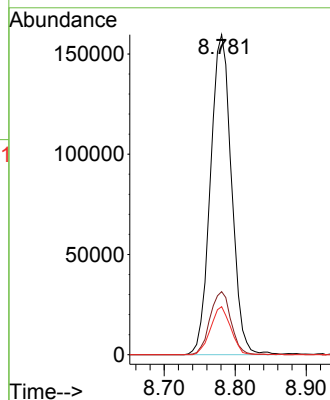
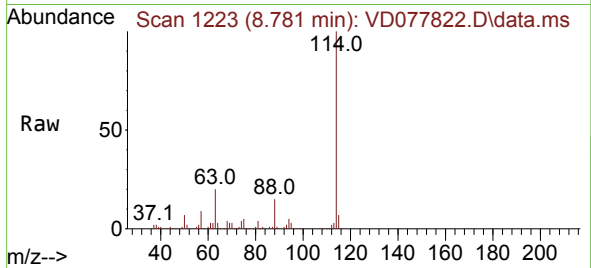




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

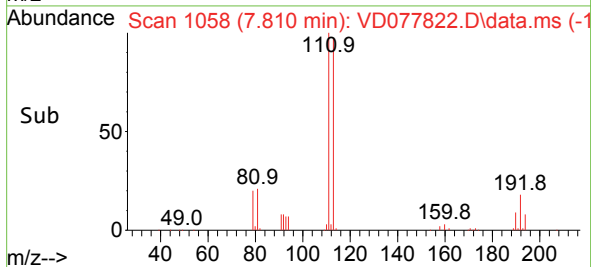
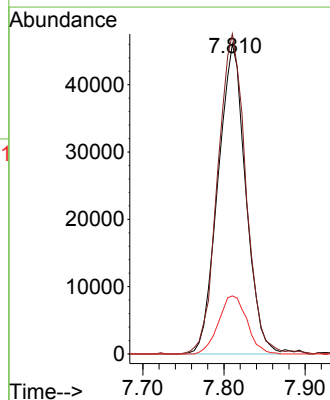
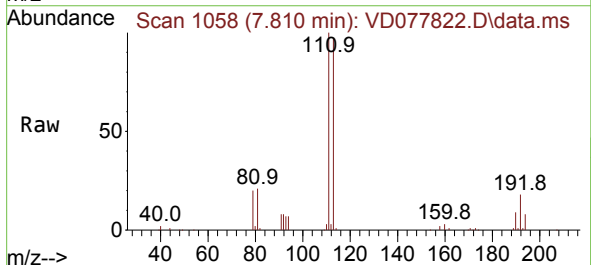
Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

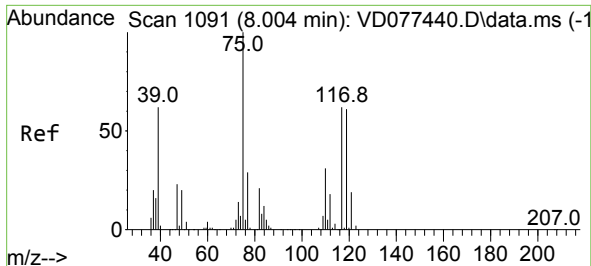
Tgt Ion:114 Resp: 327706
Ion Ratio Lower Upper
114 100
63 19.7 0.0 33.4
88 15.0 0.0 26.2



#35
Dibromofluoromethane
Concen: 47.496 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion:113 Resp: 109026
Ion Ratio Lower Upper
113 100
111 105.3 84.7 127.1
192 19.2 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.066 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

Lab File: VD077822.D

Acq: 11 Dec 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

SB-04-7.5-8.0

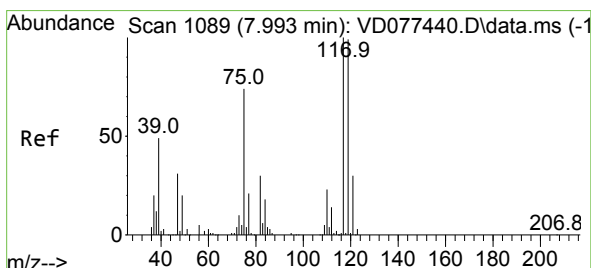
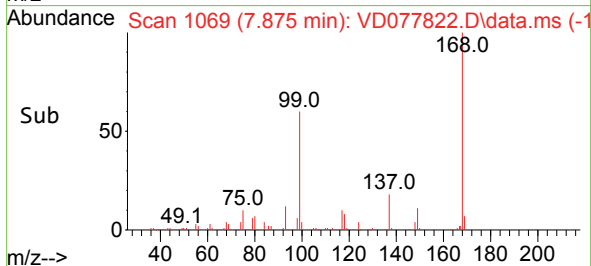
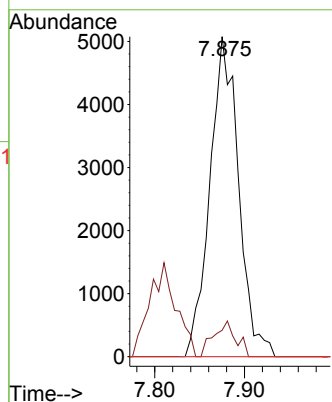
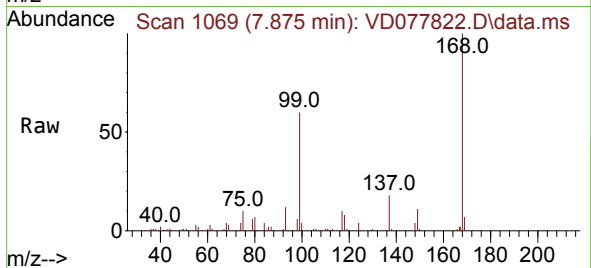
Tgt Ion: 75 Resp: 11258

Ion Ratio Lower Upper

75 100

110 8.6 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 3.633 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. -0.106 min

Lab File: VD077822.D

Acq: 11 Dec 2023 20:10

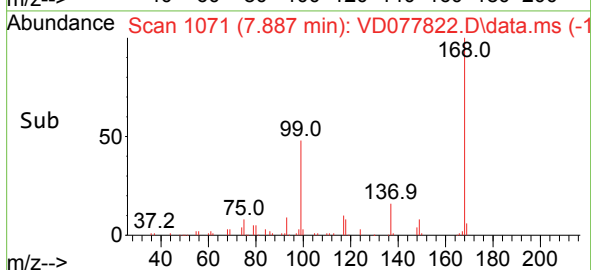
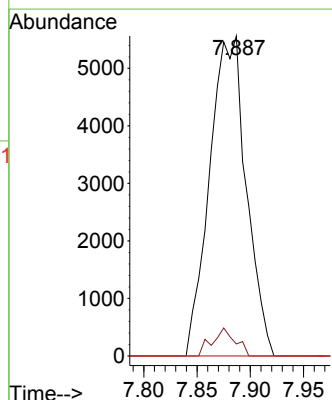
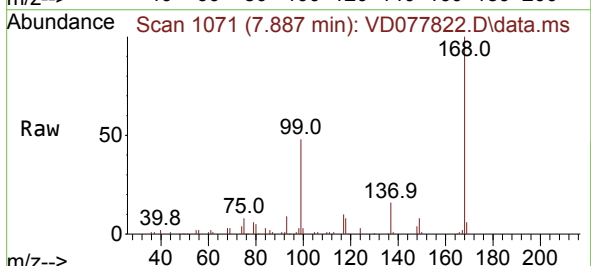
Tgt Ion: 117 Resp: 13299

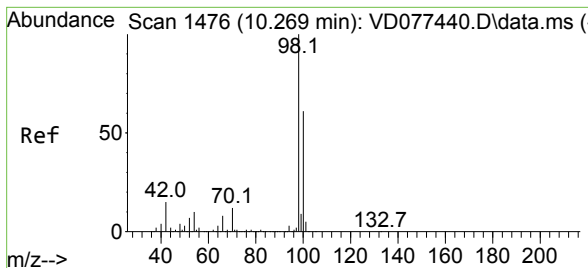
Ion Ratio Lower Upper

117 100

119 3.7 78.0 117.0#

121 0.0 24.2 36.2#

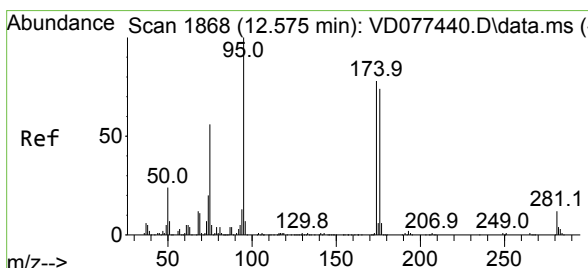
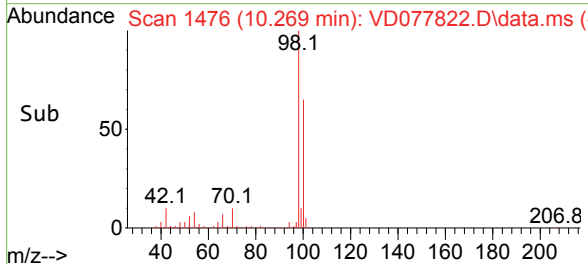
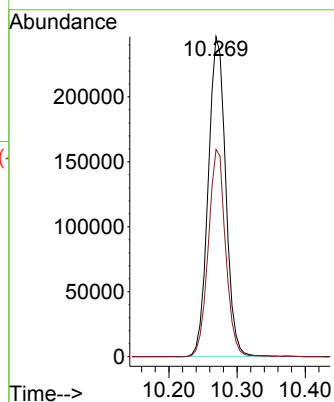
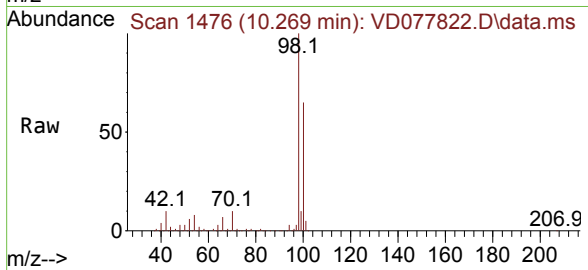




#50
Toluene-d8
Concen: 47.773 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

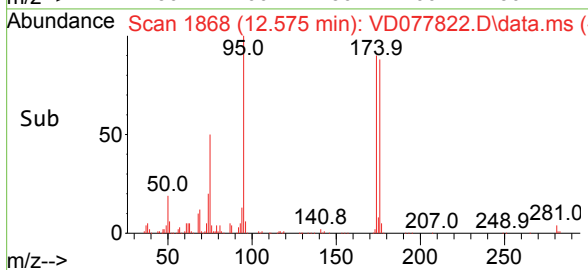
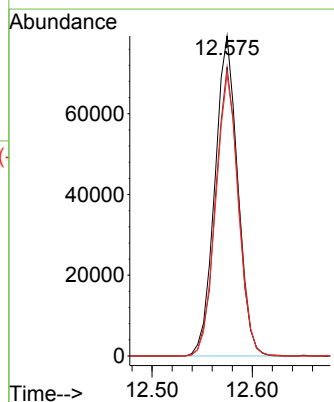
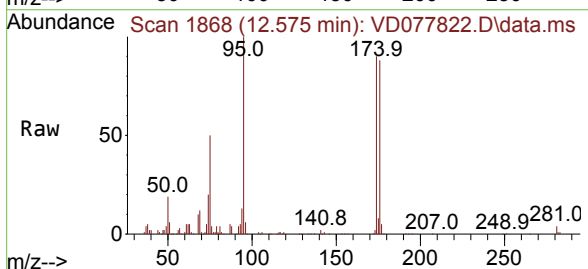
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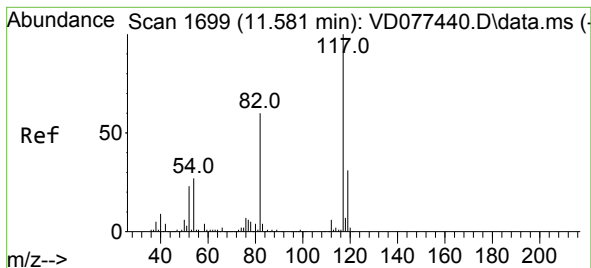
Tgt Ion: 98 Resp: 439211
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 45.517 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 95 Resp: 125112
Ion Ratio Lower Upper
95 100
174 90.3 0.0 201.8
176 87.5 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077822.D

Acq: 11 Dec 2023 20:10

Instrument :

MSVOA_D

ClientSampleId :

SB-04-7.5-8.0

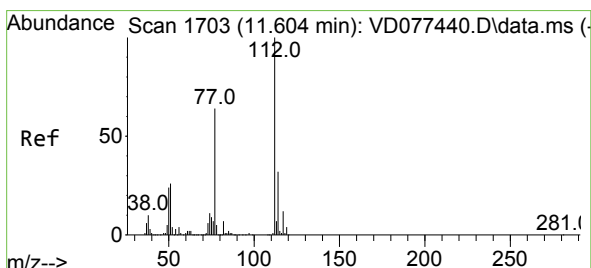
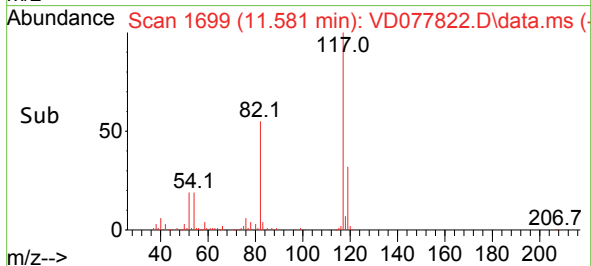
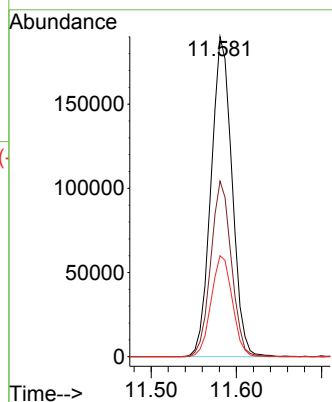
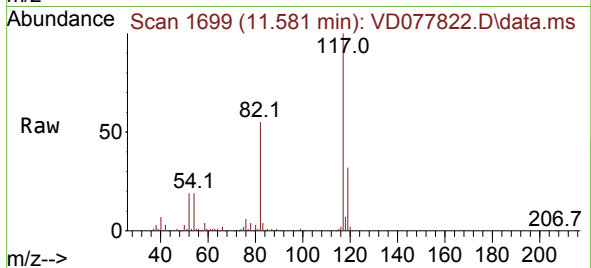
Tgt Ion:117 Resp: 325274

Ion Ratio Lower Upper

117 100

82 54.8 38.3 57.5

119 31.5 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.598 min Scan# 1702

Delta R.T. -0.006 min

Lab File: VD077822.D

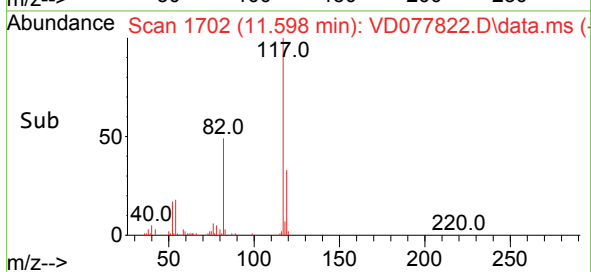
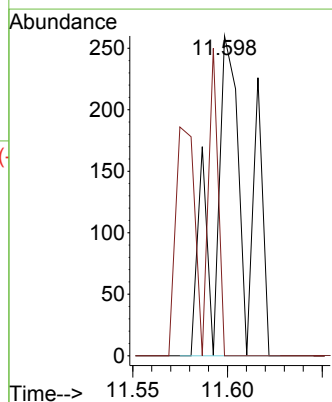
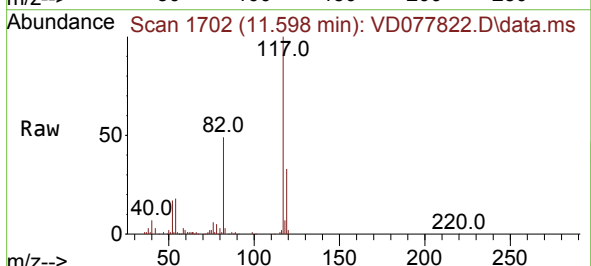
Acq: 11 Dec 2023 20:10

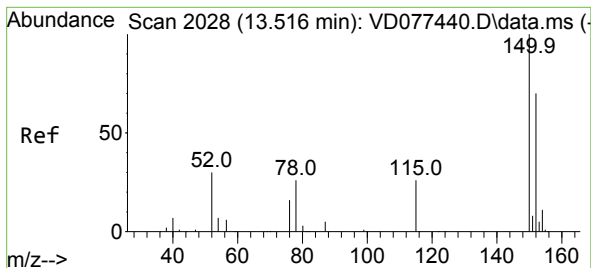
Tgt Ion:112 Resp: 308

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#

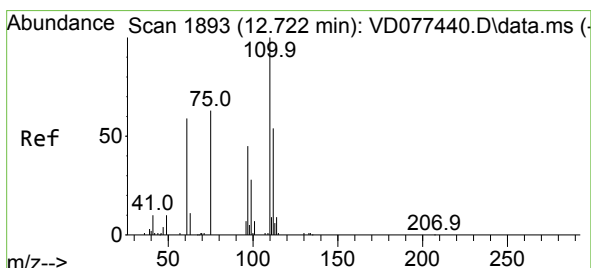
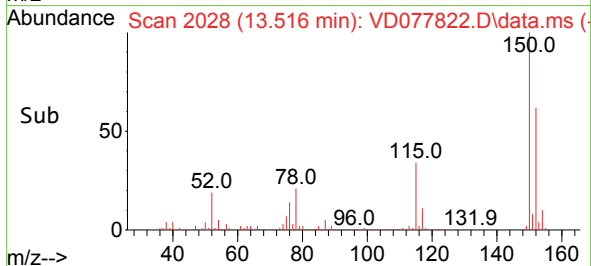
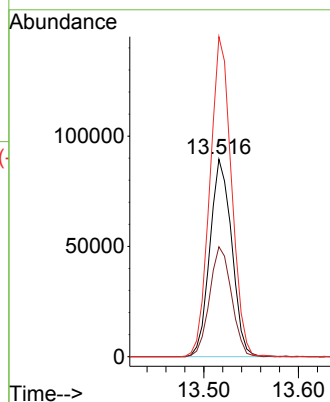
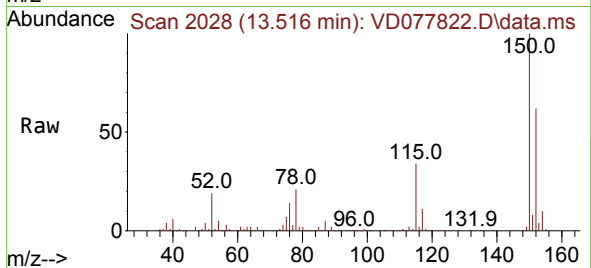




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD077822.D
 Acq: 11 Dec 2023 20:10

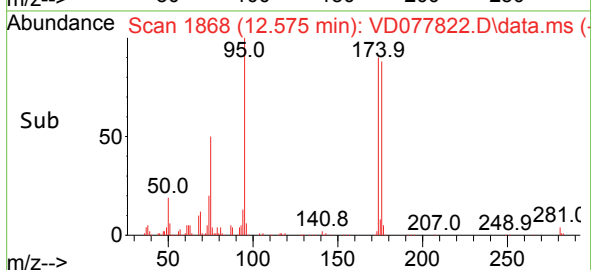
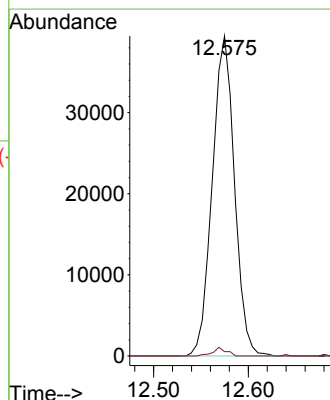
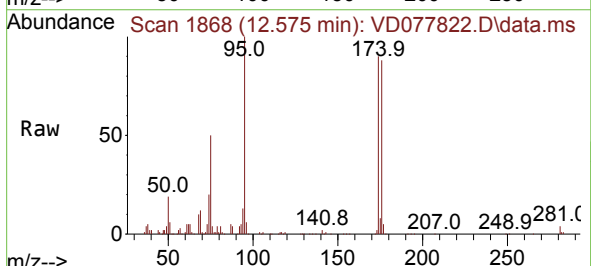
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-7.5-8.0

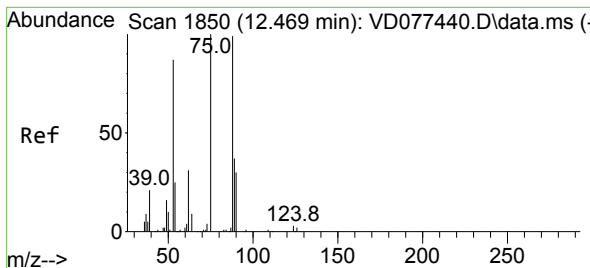
Tgt Ion:152 Resp: 143507
 Ion Ratio Lower Upper
 152 100
 115 55.8 27.1 81.3
 150 160.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 51.513 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077822.D
 Acq: 11 Dec 2023 20:10

Tgt Ion: 75 Resp: 64204
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

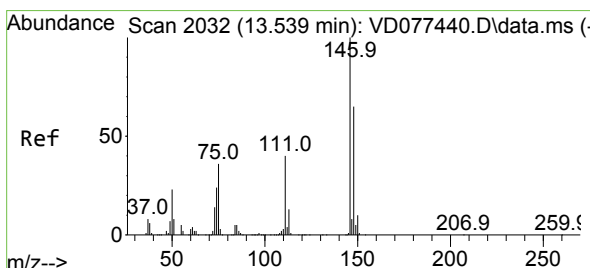
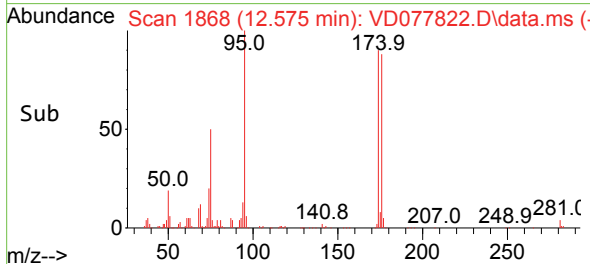
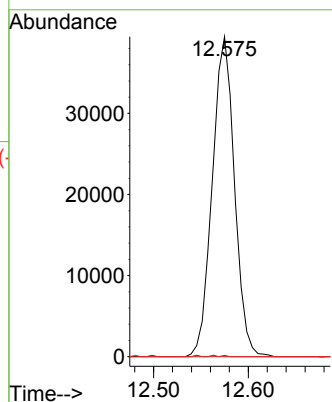
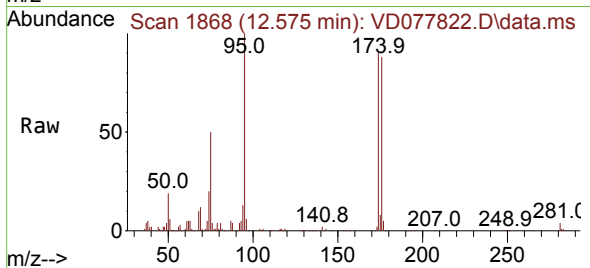




#81
trans-1,4-Dichloro-2-butene
Concen: 104.369 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077822.D
Acq: 11 Dec 2023 20:10

Instrument :
MSVOA_D
ClientSampleId :
SB-04-7.5-8.0

Tgt Ion: 75 Resp: 64204
Ion Ratio Lower Upper
75 100
53 0.2 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: VD077822.D
Acq: 11 Dec 2023 20:10

Tgt Ion: 146 Resp: 615
Ion Ratio Lower Upper
146 100
111 328.6 17.4 52.3#
148 77.6 31.7 95.1

