

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077827.D
 Acq On : 11 Dec 2023 22:25
 Operator : JC/SY
 Sample : 05740-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 12 00:53:54 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)

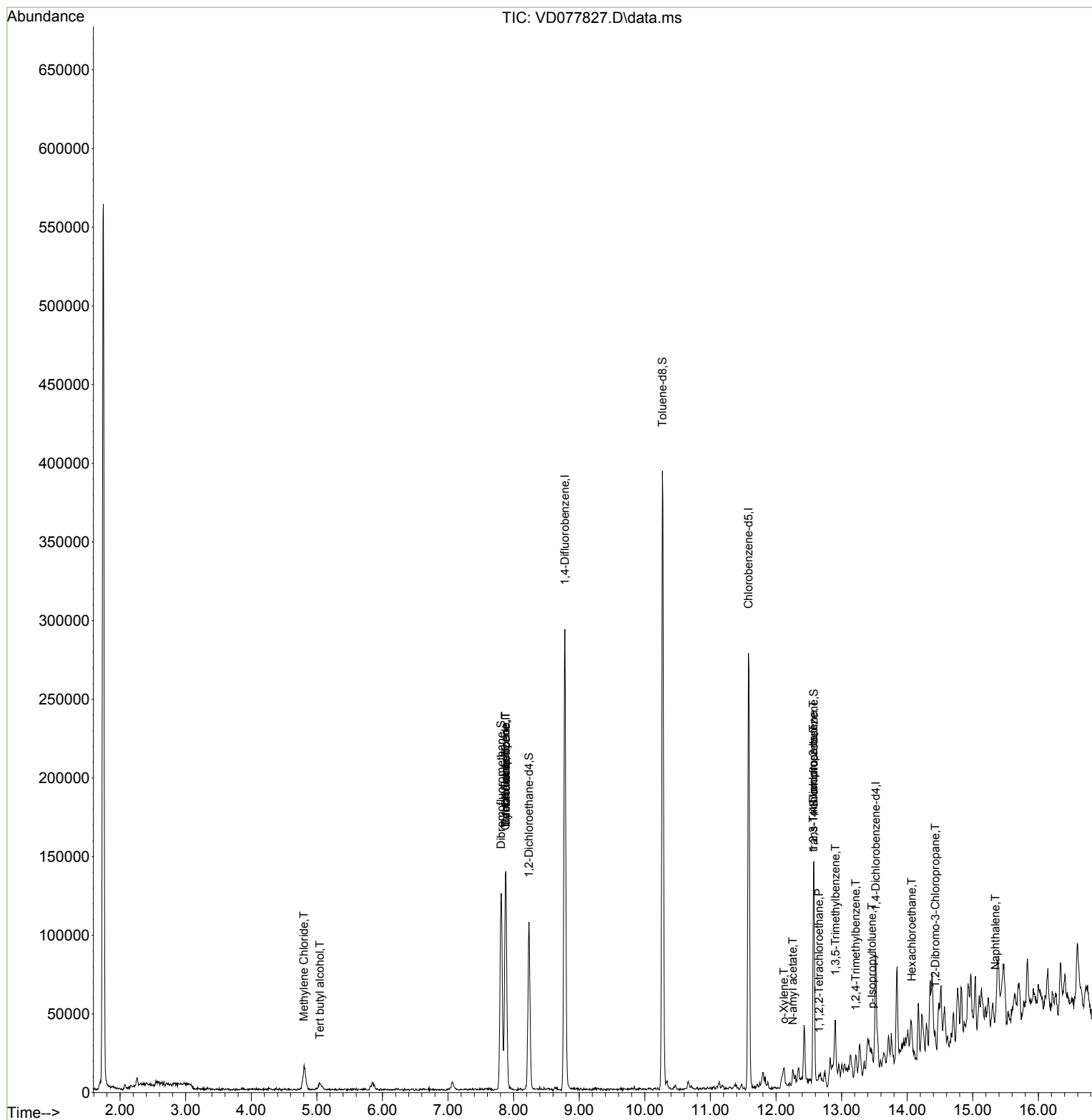
Internal Standards						
1) Pentafluorobenzene	7.881	168	110266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	257766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	20305	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77811	59.886	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.780%
35) Dibromofluoromethane	7.810	113	92079	50.997	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.269	98	274417	37.947	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.900%
62) 4-Bromofluorobenzene	12.575	95	40491	18.728	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	37.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.046	59	8045	122.842	ug/l #	89
16) Acetone	4.017	43	289	Below Cal	#	32
20) Methylene Chloride	4.805	84	10827	2.427	ug/l #	84
25) 2-Butanone	7.093	43	135	Below Cal	#	37
31) Cyclohexane	7.881	56	2563	1.109	ug/l #	41
36) 1,1-Dichloropropene	7.881	75	8289	2.870	ug/l #	45
38) Carbon Tetrachloride	7.875	117	10071	3.498	ug/l #	15
65) Chlorobenzene	11.616	112	415	Below Cal	#	43
69) o-Xylene	12.122	106	2921	1.200	ug/l	97
74) N-amyl acetate	12.257	43	789	2.608	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.657	83	769	2.866	ug/l #	52
76) 1,2,3-Trichloropropane	12.569	75	20960	118.855	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.904	105	6345	4.943	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	20960	240.808	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.216	105	6599	5.140	ug/l	98
86) p-Isopropyltoluene	13.463	119	5667	3.952	ug/l	89
88) 1,4-Dichlorobenzene	13.528	146	315	Below Cal	#	1
90) Hexachloroethane	14.069	117	958	3.632	ug/l #	11
92) 1,2-Dibromo-3-Chloropr...	14.428	75	78	1.047	ug/l #	1
95) Naphthalene	15.345	128	1224	1.713	ug/l #	63

(#) = 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# 110

Delta R.T. 0.006 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

Instrument :

MSVOA_D

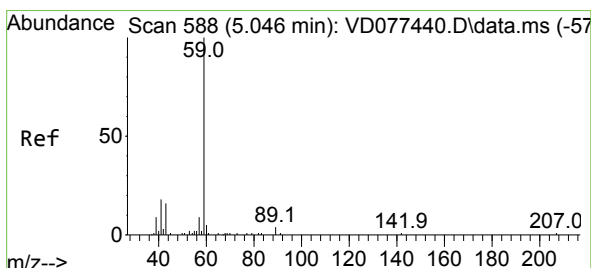
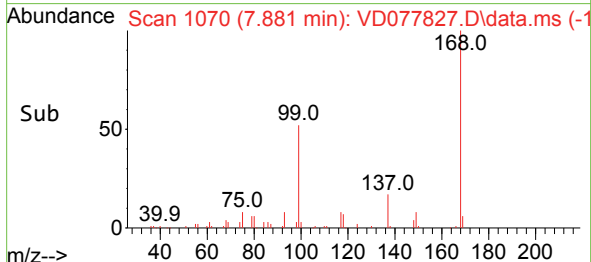
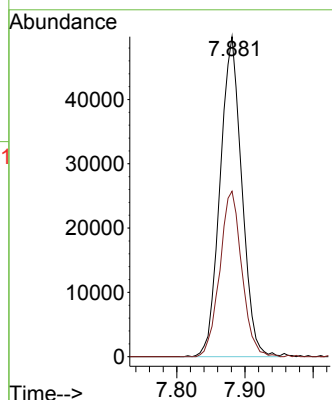
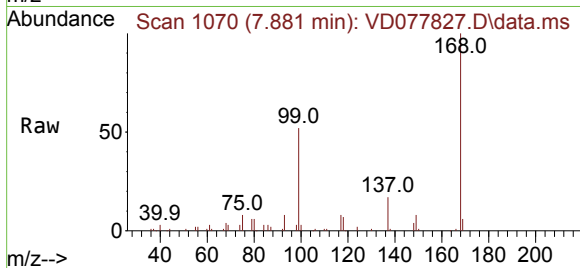
ClientSampleId :

Tgt Ion:168 Resp: 110266

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#11

Tert butyl alcohol

Concen: 122.842 ug/l

RT: 5.046 min Scan# 588

Delta R.T. -0.000 min

Lab File: VD077827.D

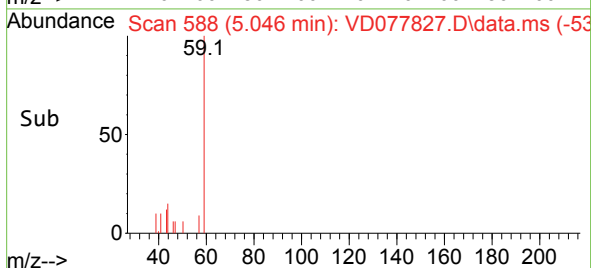
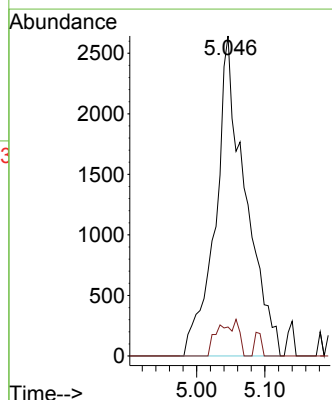
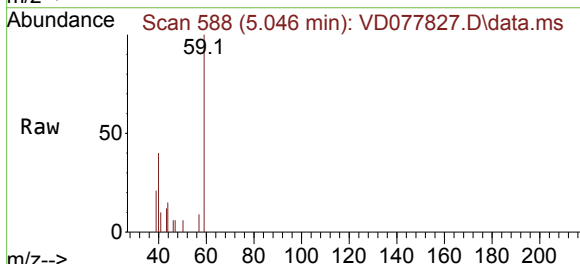
Acq: 11 Dec 2023 22:25

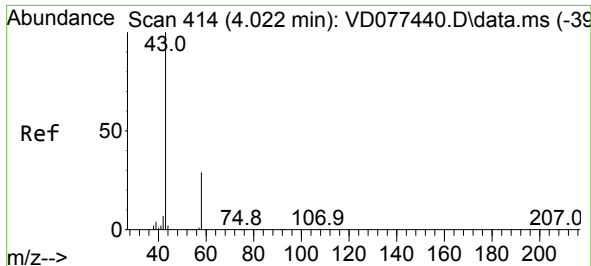
Tgt Ion: 59 Resp: 8045

Ion Ratio Lower Upper

59 100

57 5.6 7.8 11.8#

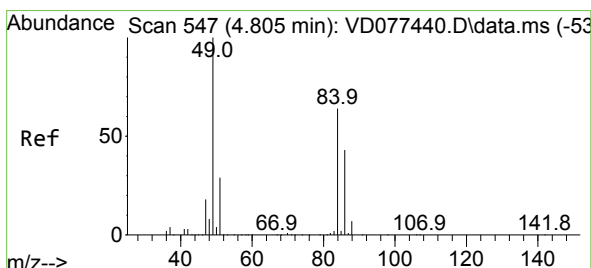
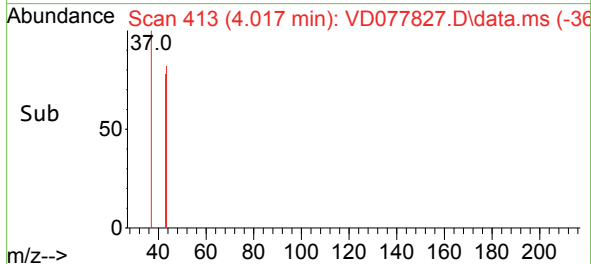
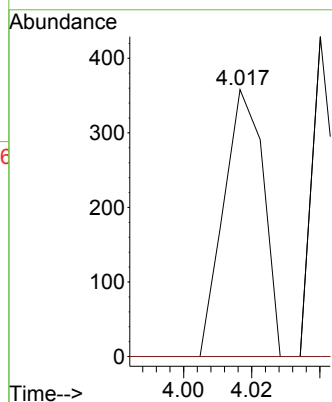
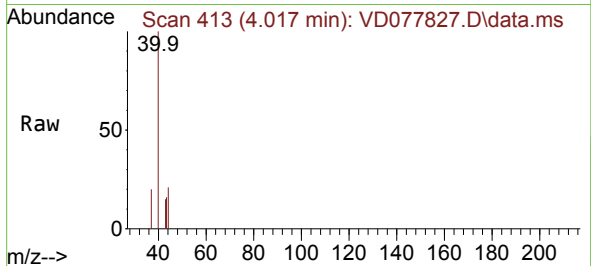




#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 414
Delta R.T. -0.005 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

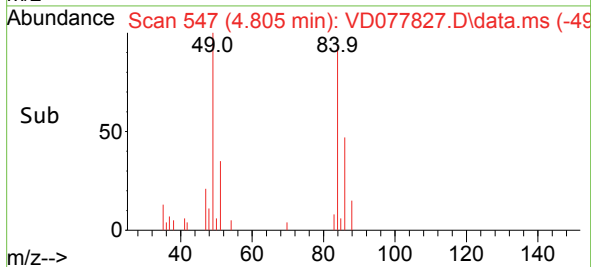
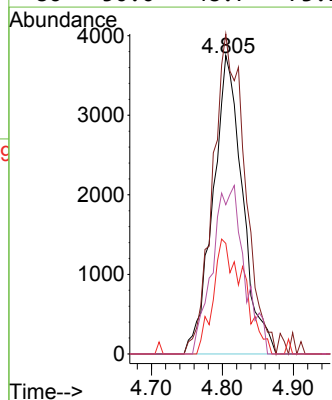
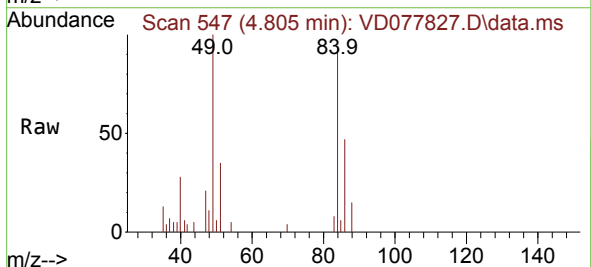
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 289
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: 2.427 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

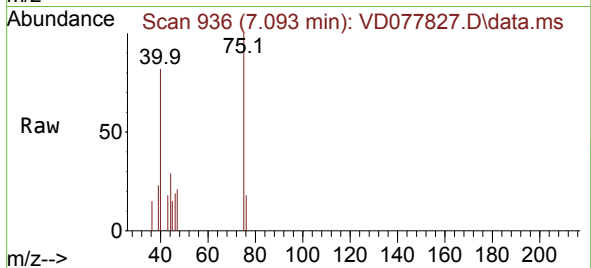
Tgt Ion: 84 Resp: 10827
Ion Ratio Lower Upper
84 100
49 107.2 71.4 107.2#
51 37.1 24.5 36.7#
86 50.0 48.7 73.1



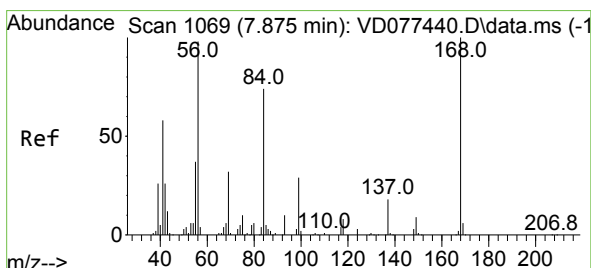
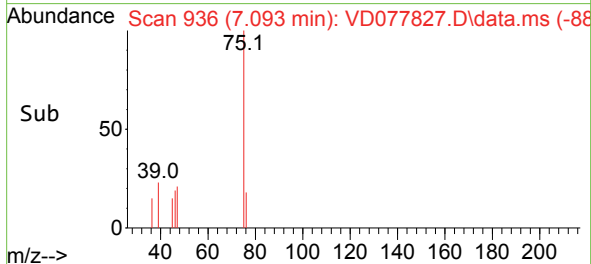
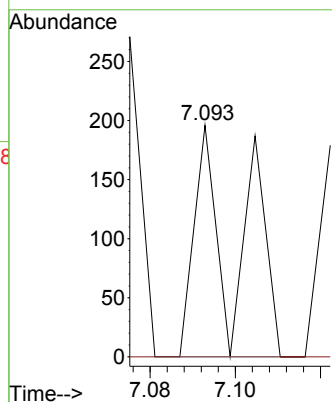


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Instrument :
MSVOA_D
ClientSampleId :

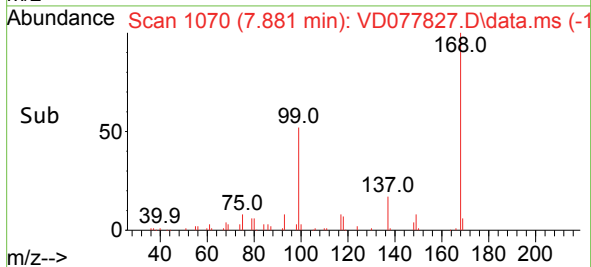
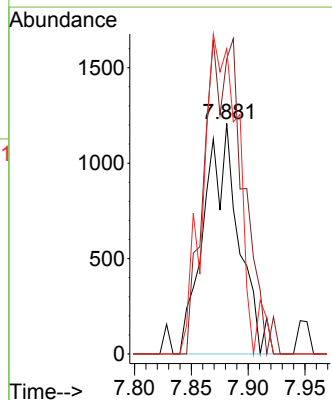
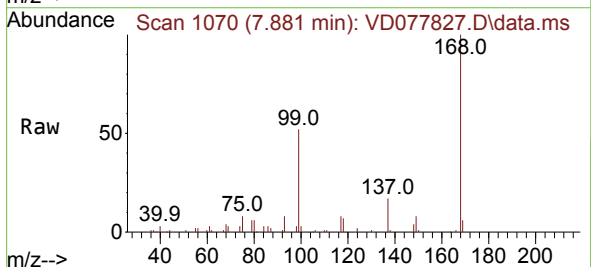


Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion: 56 Resp: 2563
Ion Ratio Lower Upper
56 100
69 128.0 28.6 43.0#
84 132.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 59.886 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

Instrument :

MSVOA_D

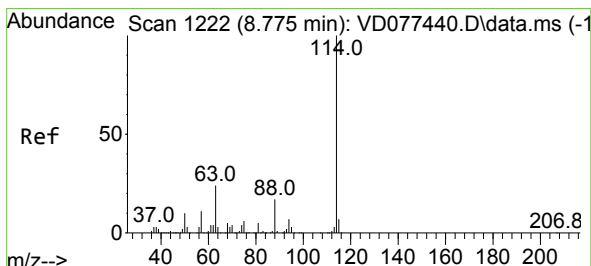
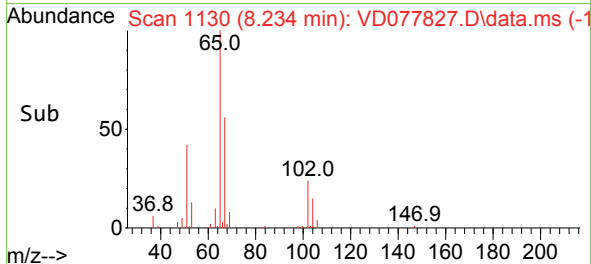
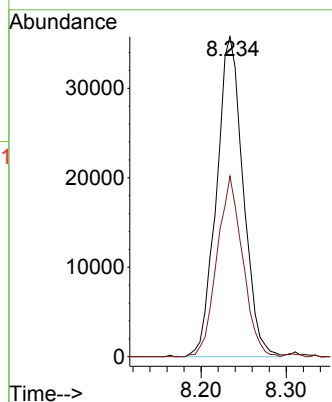
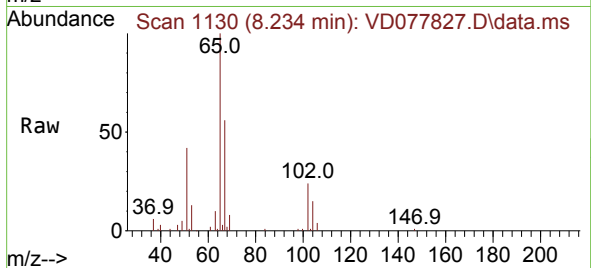
ClientSampleId :

Tgt Ion: 65 Resp: 77811

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# 1223

Delta R.T. 0.006 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

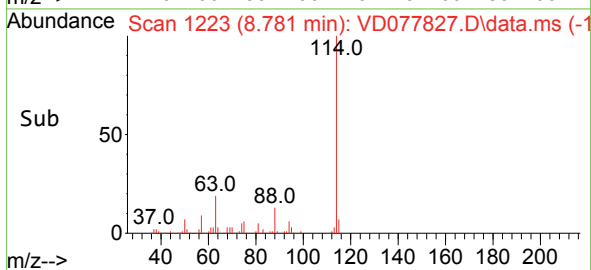
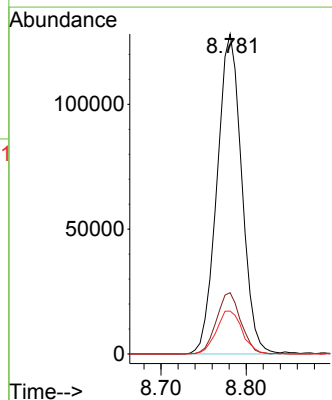
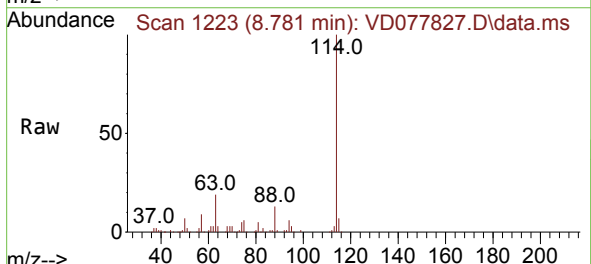
Tgt Ion: 114 Resp: 257766

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

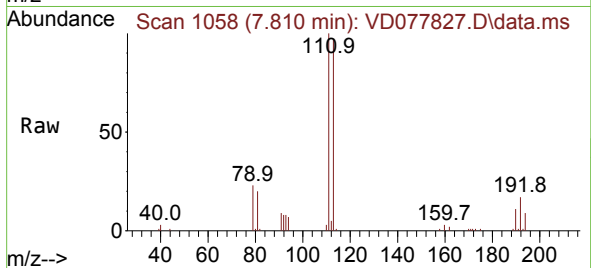
88 13.4 0.0 26.2



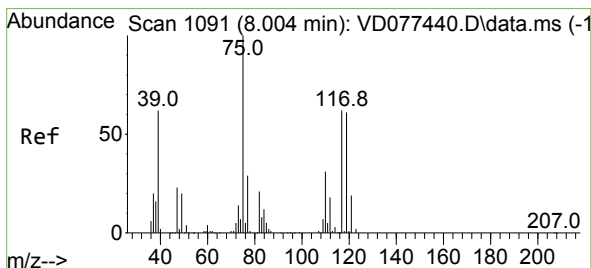
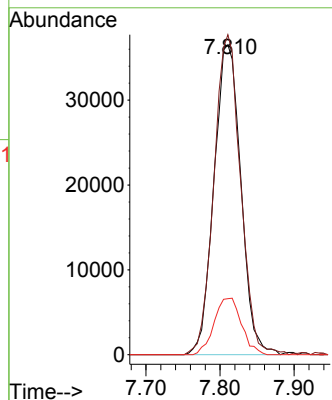
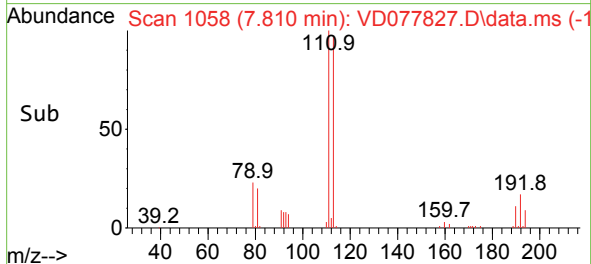


#35
Dibromofluoromethane
Concen: 50.997 ug/l
RT: 7.810 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Instrument :
MSVOA_D
ClientSampleId :

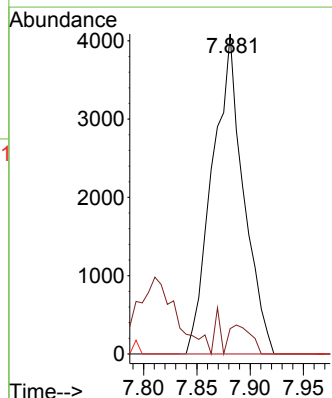
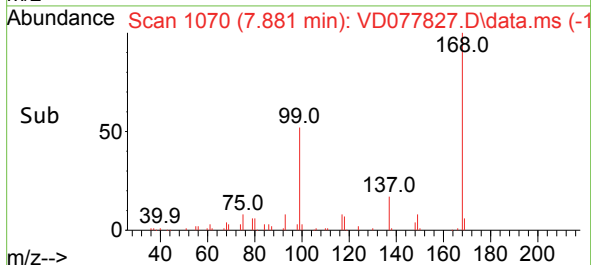
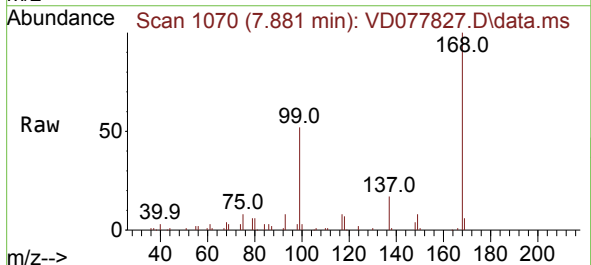


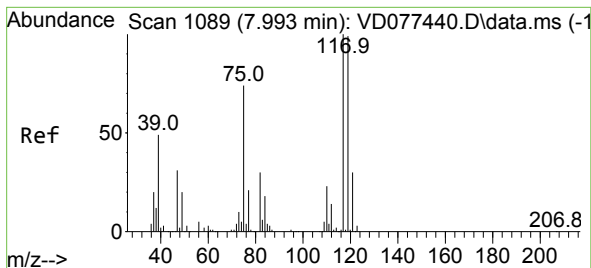
Tgt Ion:113 Resp: 92079
Ion Ratio Lower Upper
113 100
111 101.8 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 2.870 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion: 75 Resp: 8289
Ion Ratio Lower Upper
75 100
110 6.4 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 3.498 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

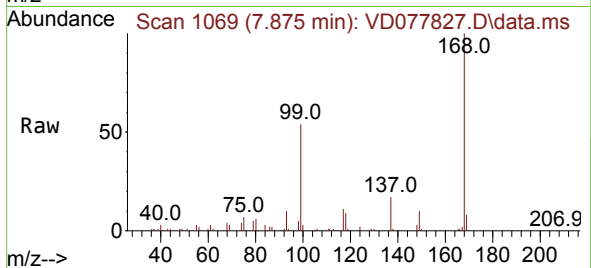
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Acq: 11 Dec 2023 22:25

Instrument :

MSVOA_D

ClientSampleId :



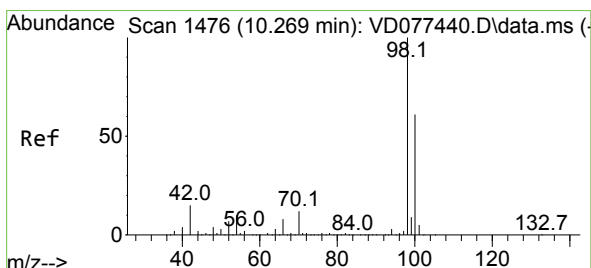
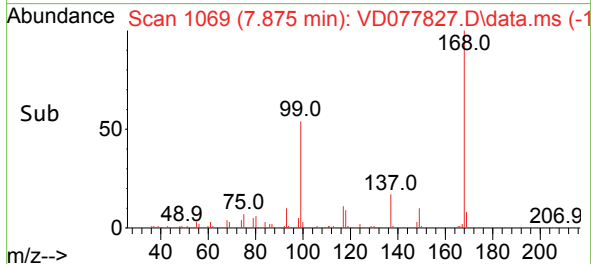
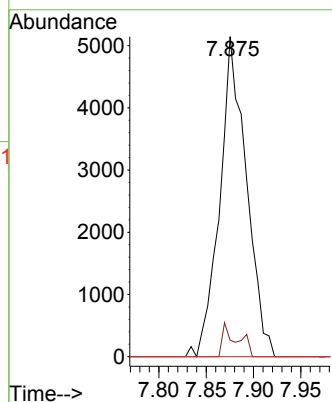
Tgt Ion:117 Resp: 10071

Ion Ratio Lower Upper

117 100

119 5.2 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 37.947 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077827.D

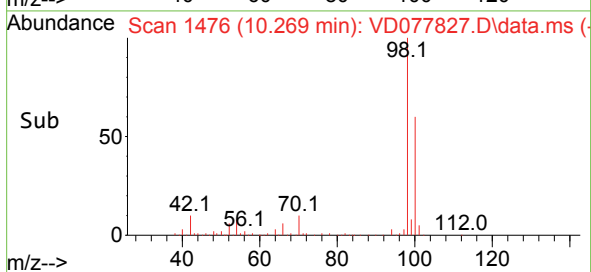
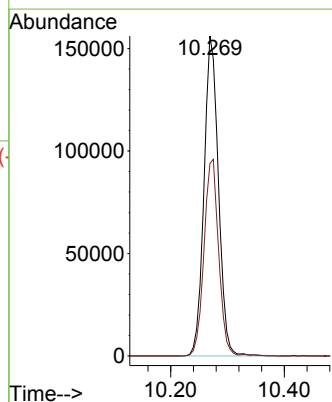
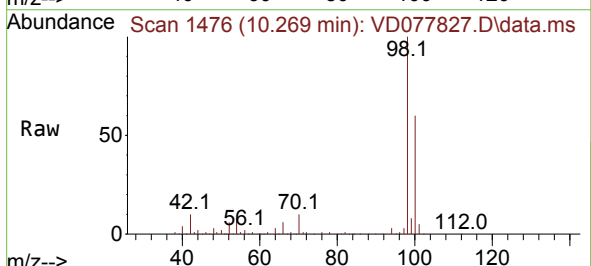
Acq: 11 Dec 2023 22:25

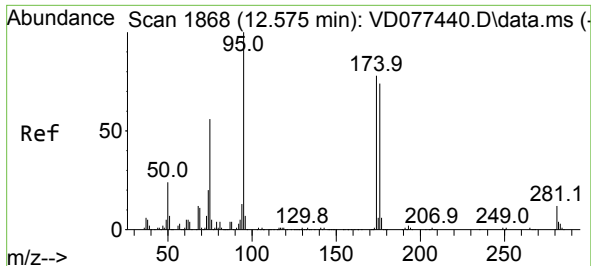
Tgt Ion: 98 Resp: 274417

Ion Ratio Lower Upper

98 100

100 62.2 50.3 75.5

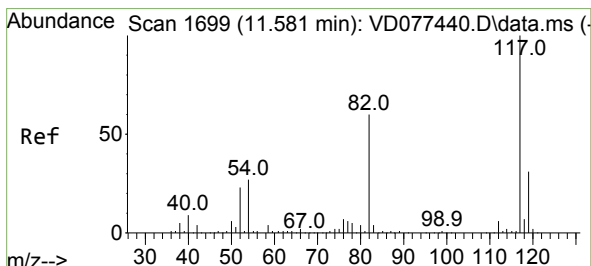
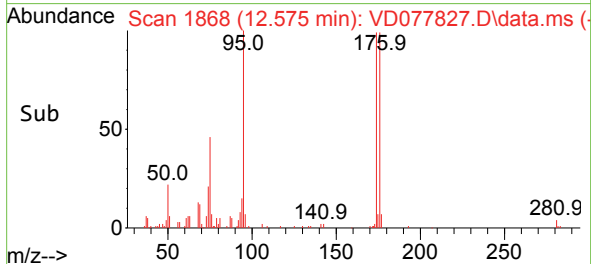
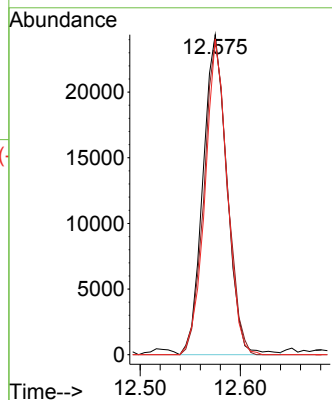
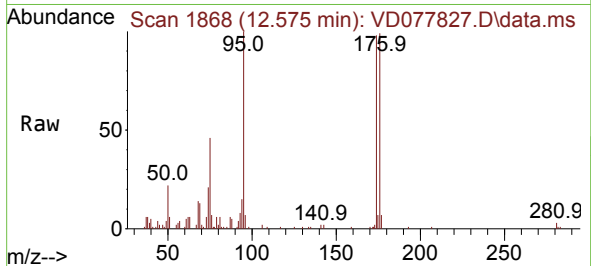




#62
4-Bromofluorobenzene
Concen: 18.728 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

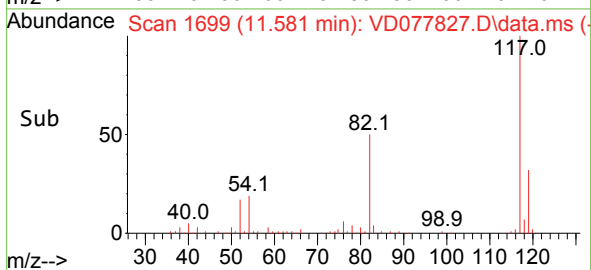
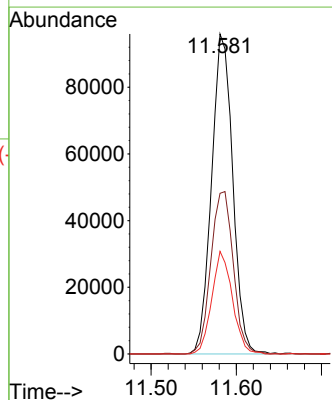
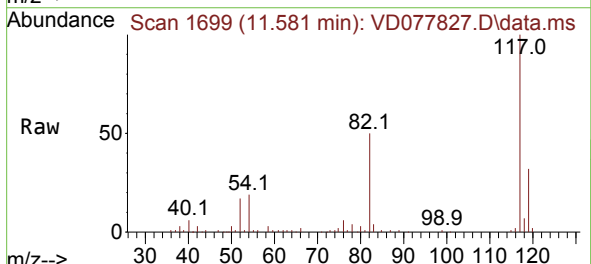
Instrument :
MSVOA_D
ClientSampleId :

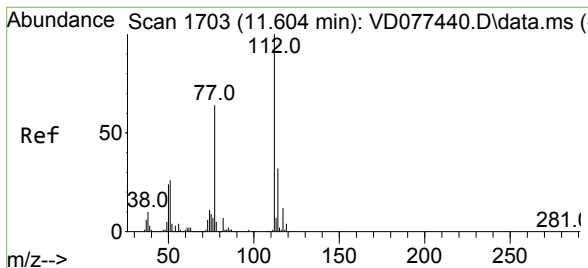
Tgt Ion: 95 Resp: 40491
Ion Ratio Lower Upper
95 100
174 95.4 0.0 201.8
176 91.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion: 117 Resp: 165826
Ion Ratio Lower Upper
117 100
82 50.2 38.3 57.5
119 32.1 25.0 37.4

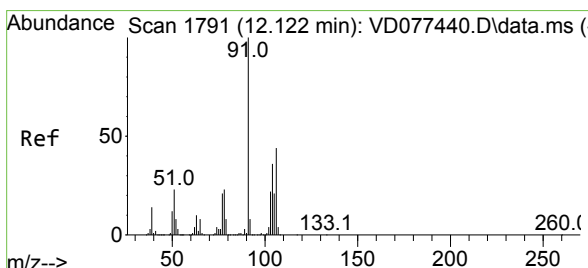
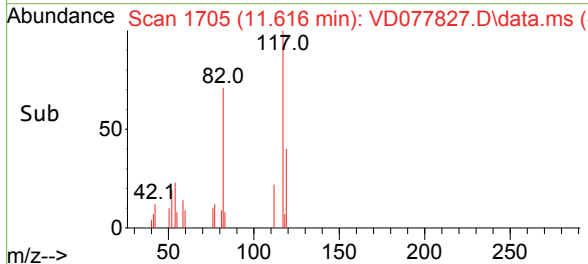
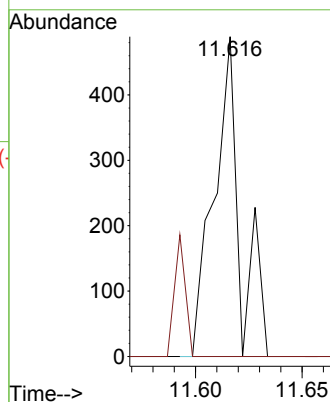
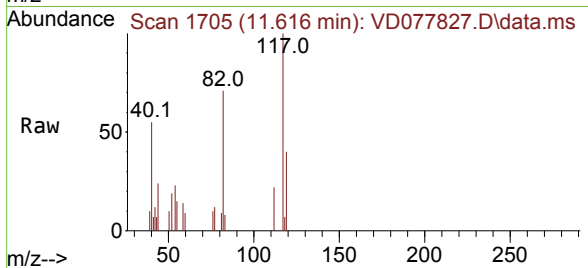




#65
Chlorobenzene
Concen: Below Cal
RT: 11.616 min Scan# 1705
Delta R.T. 0.012 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

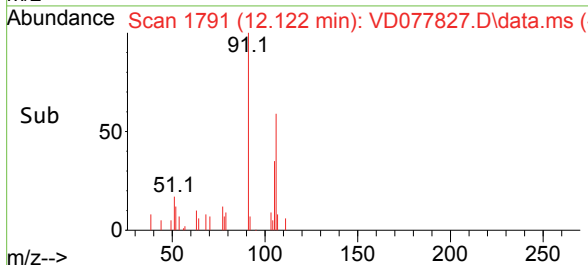
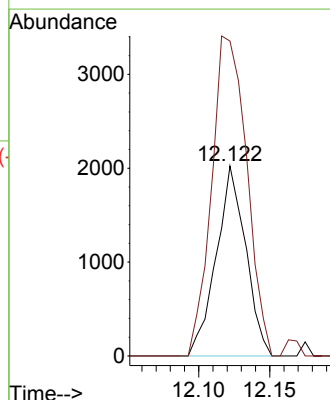
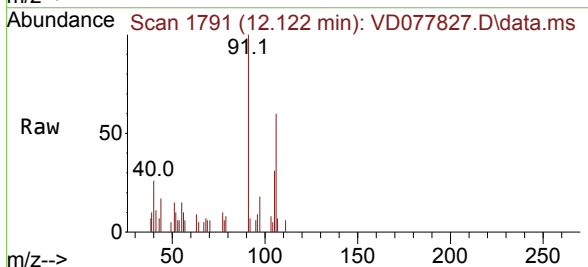
Instrument :
MSVOA_D
ClientSampleId :

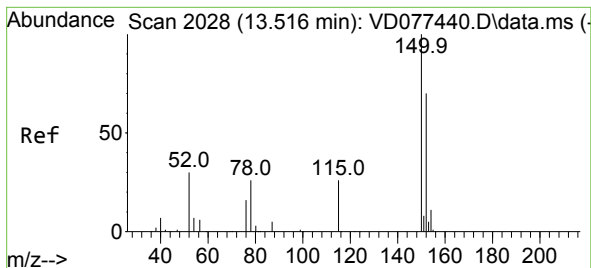
Tgt Ion:112 Resp: 415
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#69
o-Xylene
Concen: 1.200 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Tgt Ion:106 Resp: 2921
Ion Ratio Lower Upper
106 100
91 200.6 97.9 293.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2028

Delta R.T. 0.006 min

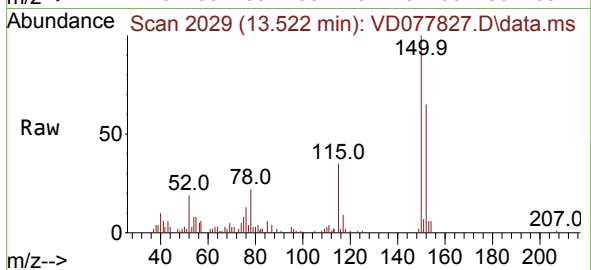
Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

Instrument :

MSVOA_D

ClientSampleId :



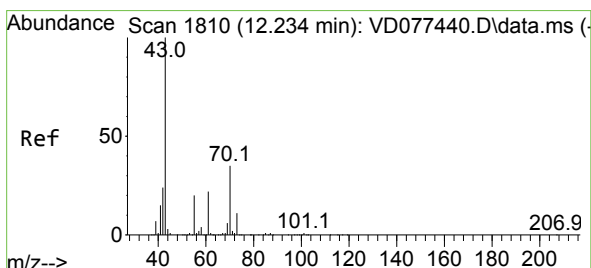
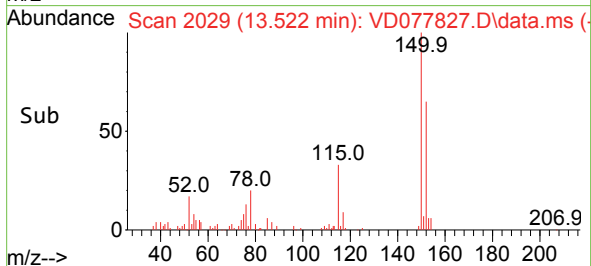
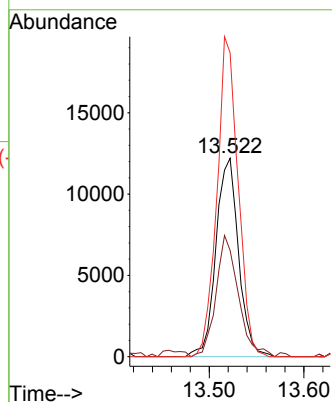
Tgt Ion:152 Resp: 20305

Ion Ratio Lower Upper

152 100

115 60.2 27.1 81.3

150 150.4 0.0 353.6



#74

N-ethyl acetate

Concen: 2.608 ug/l

RT: 12.257 min Scan# 1814

Delta R.T. 0.023 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

Tgt Ion: 43 Resp: 789

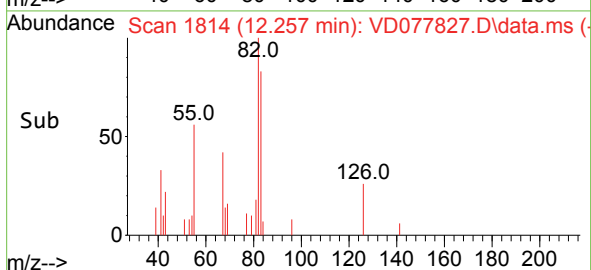
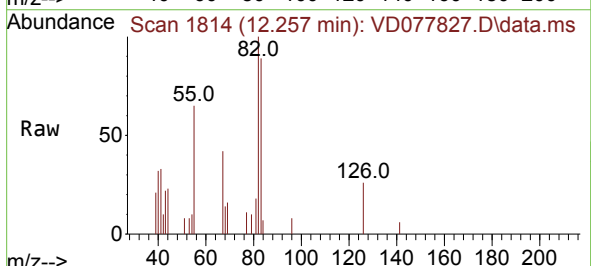
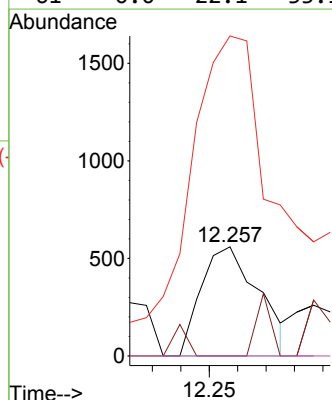
Ion Ratio Lower Upper

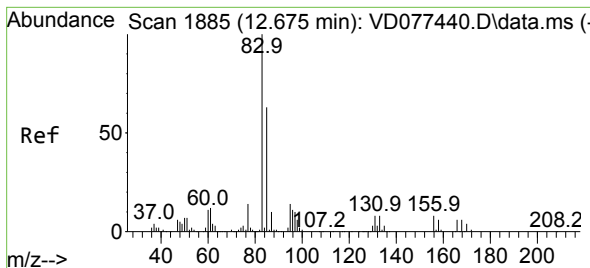
43 100

70 14.3 45.0 67.4#

55 387.3 23.8 35.6#

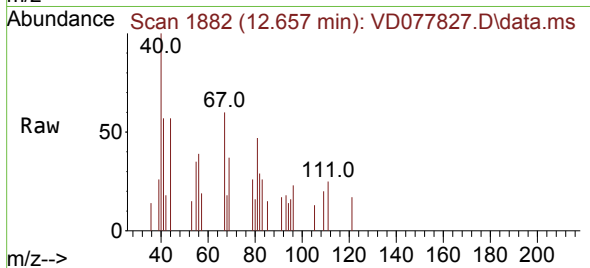
61 0.0 22.1 33.1#



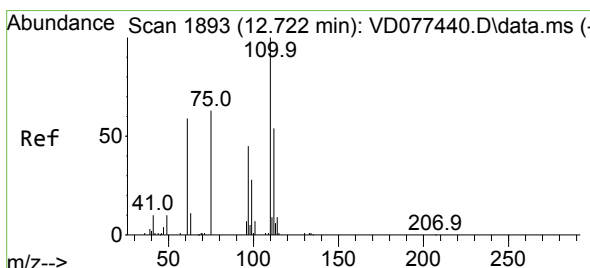
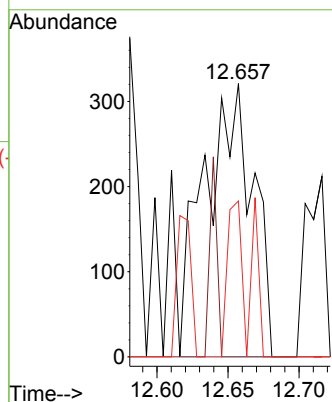
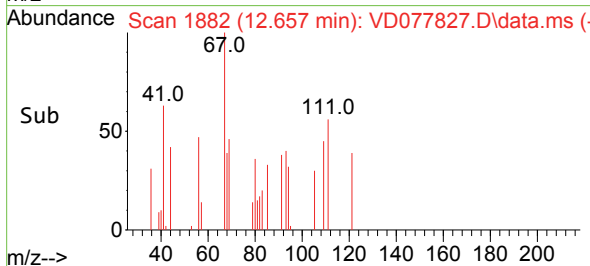


#75
 1,1,2,2-Tetrachloroethane
 Concen: 2.866 ug/l
 RT: 12.657 min Scan# 1882
 Delta R.T. -0.018 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

Instrument :
 MSVOA_D
 ClientSampleId :

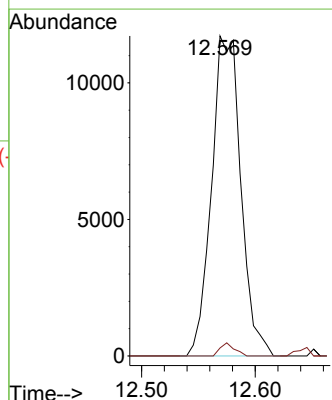
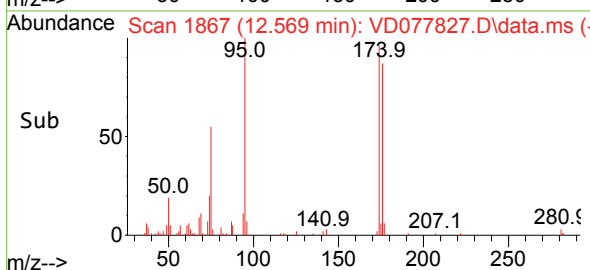
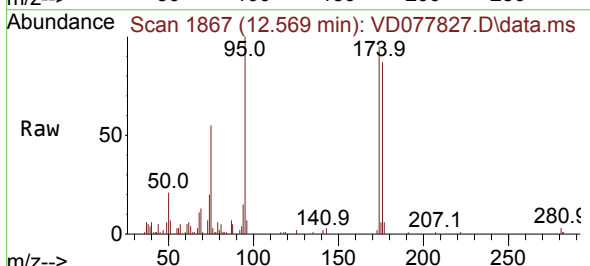


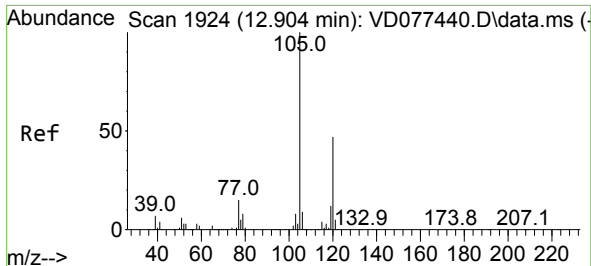
Tgt Ion: 83 Resp: 769
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.3#
 85 25.0 32.6 97.8#



#76
 1,2,3-Trichloropropane
 Concen: 118.855 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. -0.153 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

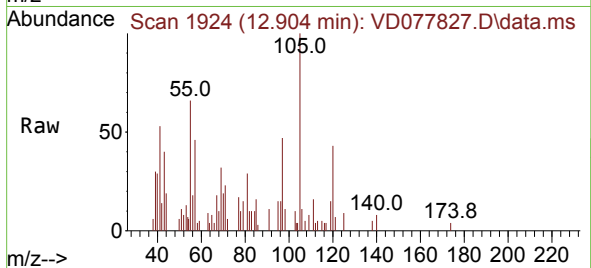
Tgt Ion: 75 Resp: 20960
 Ion Ratio Lower Upper
 75 100
 77 2.0 0.0 0.0#



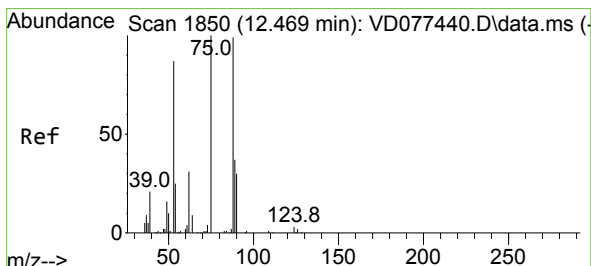
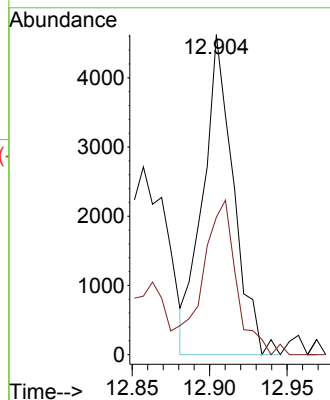
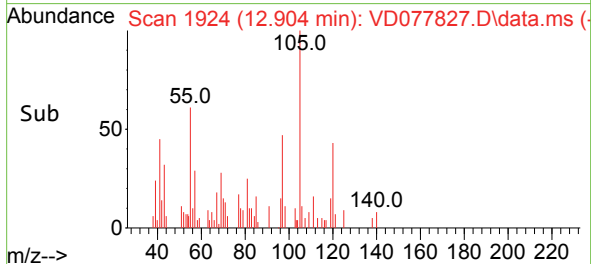


#80
 1,3,5-Trimethylbenzene
 Concen: 4.943 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

Instrument :
 MSVOA_D
 ClientSampleId :

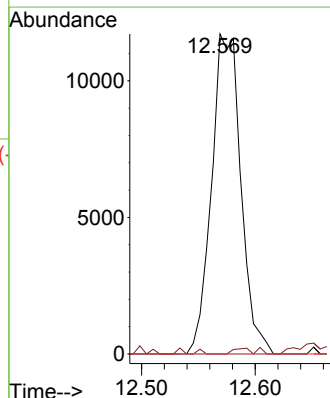
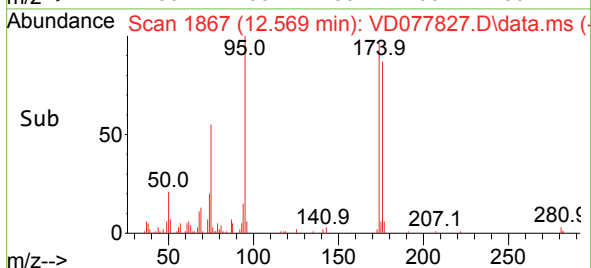
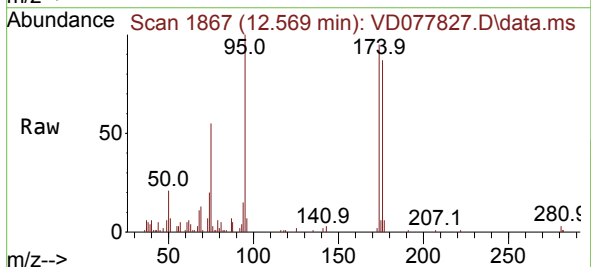


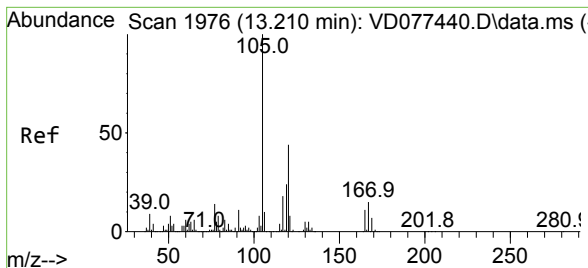
Tgt Ion:105 Resp: 6345
 Ion Ratio Lower Upper
 105 100
 120 51.8 26.4 79.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 240.808 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.100 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

Tgt Ion: 75 Resp: 20960
 Ion Ratio Lower Upper
 75 100
 53 0.3 63.0 94.4#
 89 0.0 37.9 56.9#





#84

1,2,4-Trimethylbenzene

Concen: 5.140 ug/l

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

Instrument :

MSVOA_D

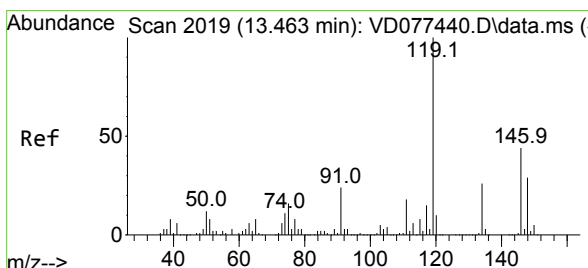
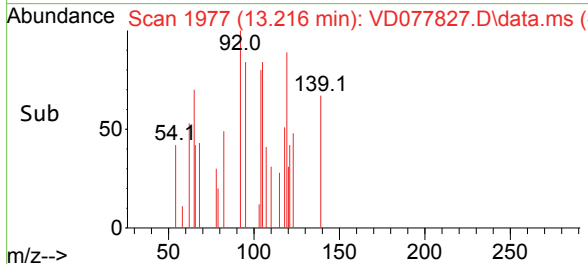
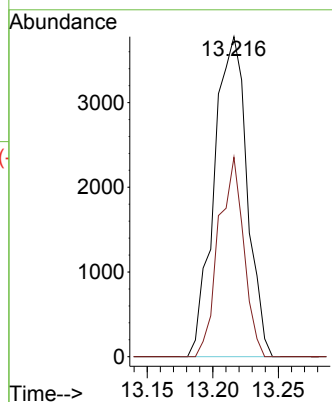
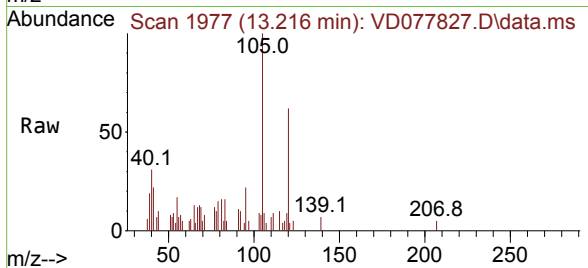
ClientSampleId :

Tgt Ion:105 Resp: 6599

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.9



#86

p-Isopropyltoluene

Concen: 3.952 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD077827.D

Acq: 11 Dec 2023 22:25

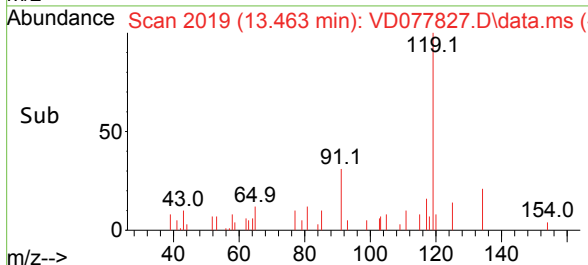
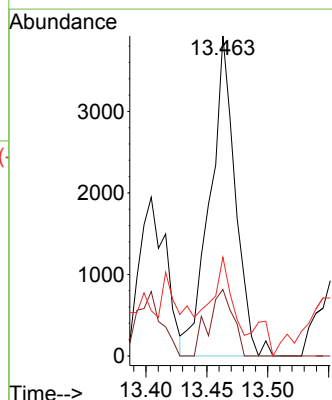
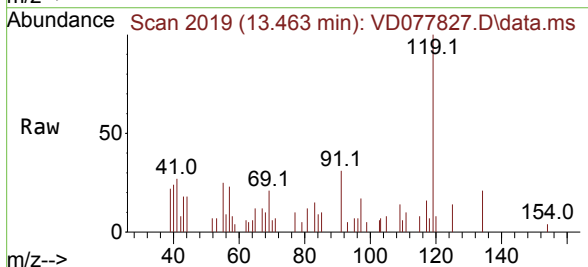
Tgt Ion:119 Resp: 5667

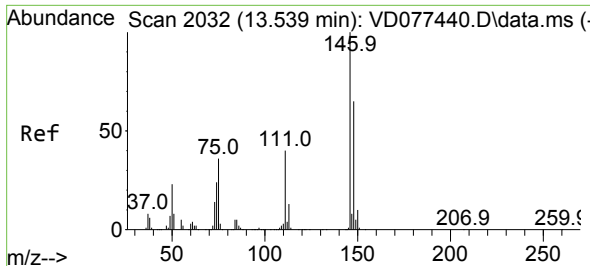
Ion Ratio Lower Upper

119 100

134 19.9 14.2 42.6

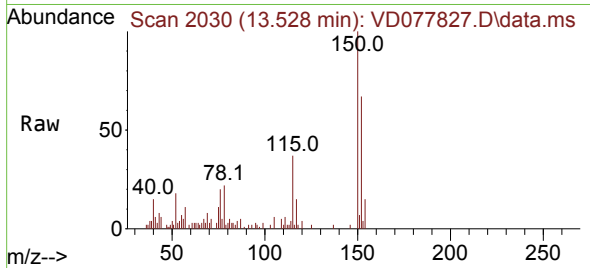
91 18.5 10.5 31.5



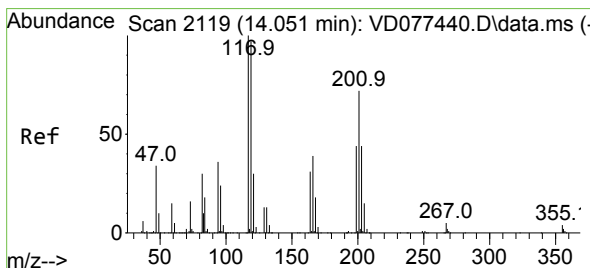
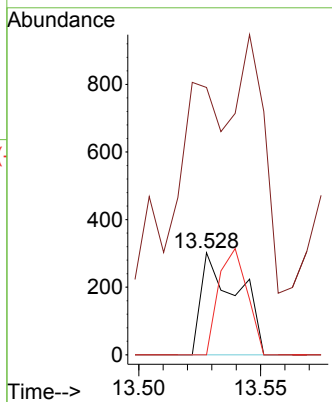
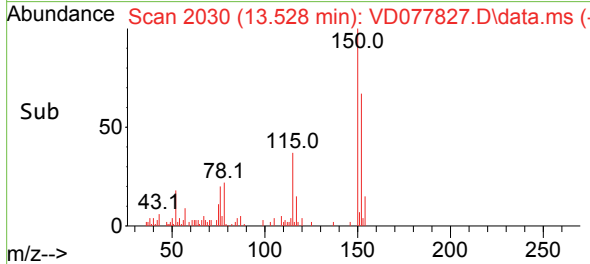


#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2032
Delta R.T. -0.011 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

Instrument :
MSVOA_D
ClientSampleId :

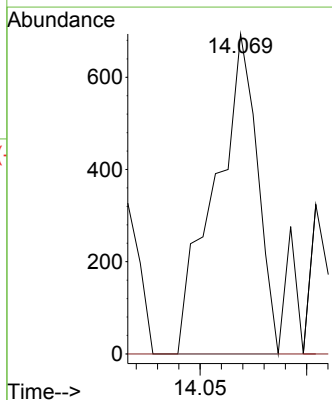
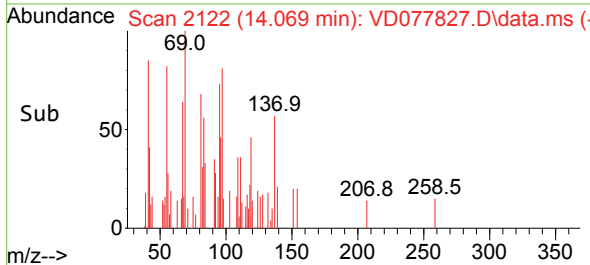
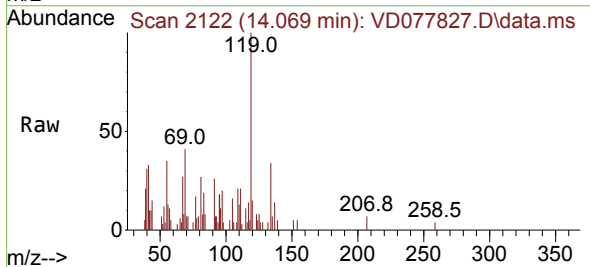


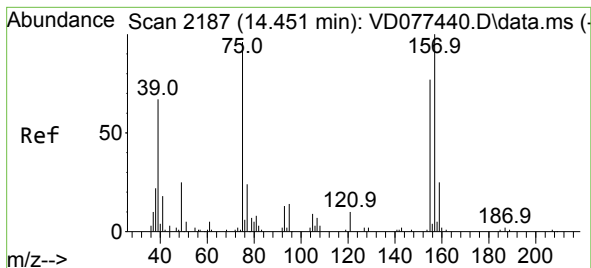
Tgt Ion:146 Resp: 315
Ion Ratio Lower Upper
146 100
111 439.4 17.4 52.3#
148 81.3 31.7 95.1



#90
Hexachloroethane
Concen: 3.632 ug/l
RT: 14.069 min Scan# 2122
Delta R.T. 0.018 min
Lab File: VD077827.D
Acq: 11 Dec 2023 22:25

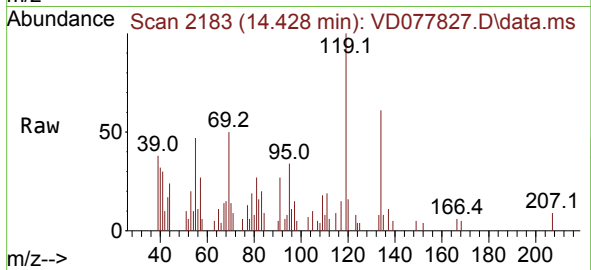
Tgt Ion:117 Resp: 958
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.5#



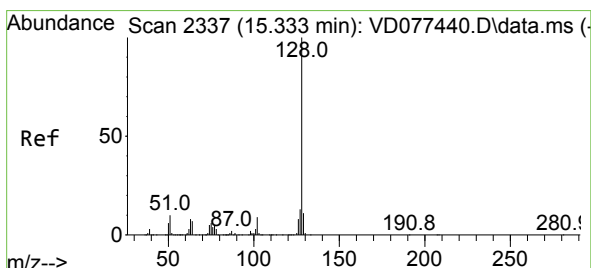
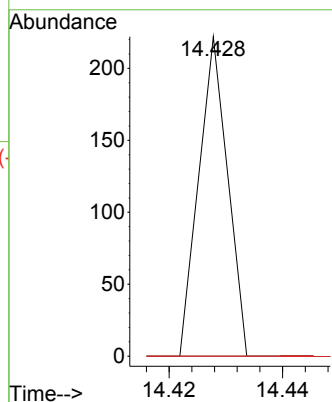
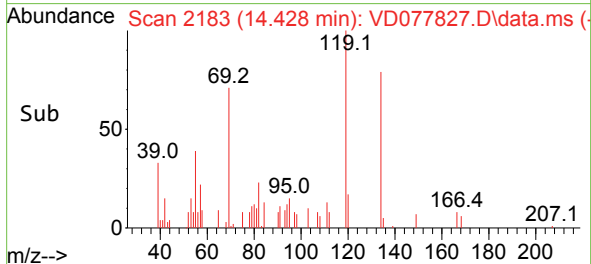


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.047 ug/l
 RT: 14.428 min Scan# 2183
 Delta R.T. -0.023 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25

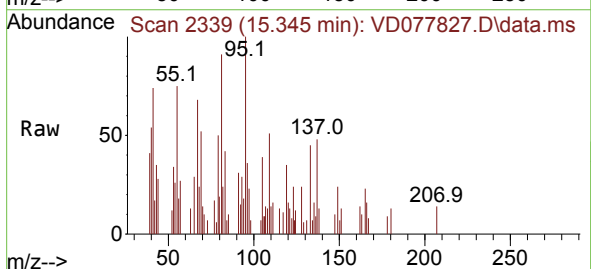
Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 78
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#



#95
 Naphthalene
 Concen: 1.713 ug/l
 RT: 15.345 min Scan# 2339
 Delta R.T. 0.012 min
 Lab File: VD077827.D
 Acq: 11 Dec 2023 22:25



Tgt Ion: 128 Resp: 1224
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 27.1 8.7 13.1#

