

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075648.D
 Acq On : 12 Apr 2023 19:16
 Operator : KP/SY
 Sample : 02262-09
 Misc : 7.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

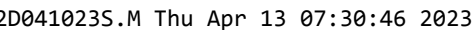
Instrument :
 MSVOA_D
 ClientSampleId :
 JPP-3A-040723

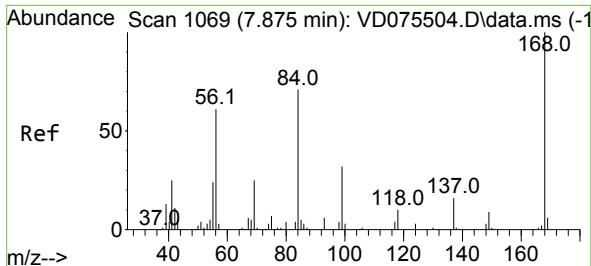
Quant Time: Apr 13 07:30:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.875	168	150343	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	267543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	182129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	52067	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	89077	72.224	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.440%	
35) Dibromofluoromethane	7.804	113	109959	70.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 140.260%	
50) Toluene-d8	10.269	98	305995	49.754	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.500%	
62) 4-Bromofluorobenzene	12.575	95	58733	32.461	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 64.920%	
Target Compounds						Qvalue
20) Methylene Chloride	4.793	84	8710	Below Cal	#	72
31) Cyclohexane	7.869	56	2784	1.552	ug/l #	1
36) 1,1-Dichloropropene	7.869	75	10881	5.434	ug/l #	50
38) Carbon Tetrachloride	7.869	117	14452	7.526	ug/l #	17
51) 4-Methyl-2-Pentanone	10.275	43	904	1.461	ug/l #	1
69) o-Xylene	12.122	106	21396	9.893	ug/l	95
73) Isopropylbenzene	12.428	105	6316	1.955	ug/l	98
74) N-amyl acetate	12.216	43	1360	3.001	ug/l #	80
76) 1,2,3-Trichloropropane	12.575	75	29048	85.813	ug/l #	100
78) n-propylbenzene	12.763	91	14273	3.674	ug/l	99
79) 2-Chlorotoluene	12.857	91	7416	3.452	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.904	105	74273	28.068	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.575	75	29048	163.379	ug/l #	5
82) 4-Chlorotoluene	12.910	91	8002	3.590	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.216	105	7248	2.712	ug/l	84
85) sec-Butylbenzene	13.345	105	18885	5.379	ug/l	88
86) p-Isopropyltoluene	13.457	119	14185	4.806	ug/l	93
89) n-Butylbenzene	13.786	91	17202	6.410	ug/l #	64
90) Hexachloroethane	14.063	117	11836	21.200	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	14.428	75	910	12.037	ug/l #	2
95) Naphthalene	15.333	128	12299	8.320	ug/l #	91

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

Quant Time: Apr 13 07:30:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
Quant Title : SW846 8260
QLast Update : Wed Apr 12 10:29:09 2023
Response via : Initial Calibration

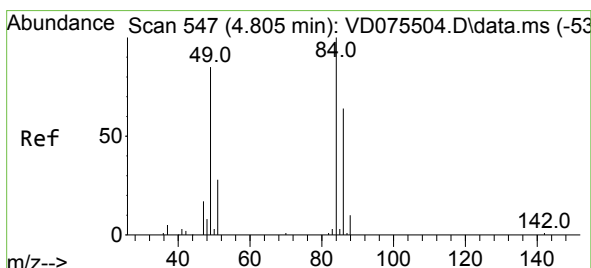
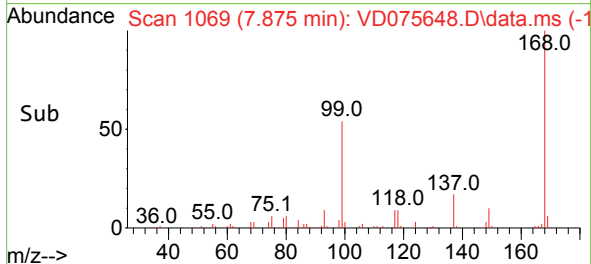
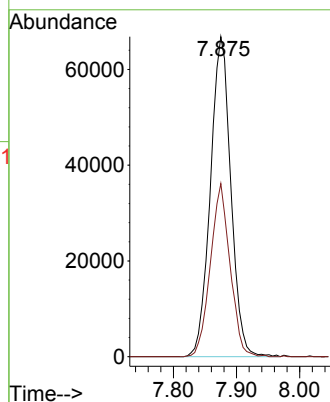
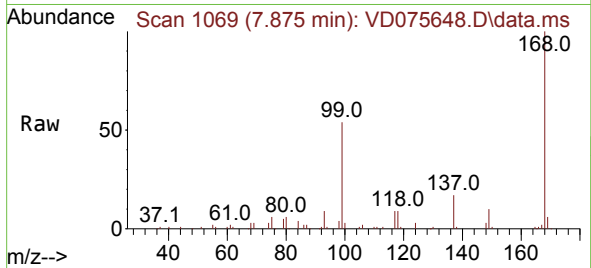




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

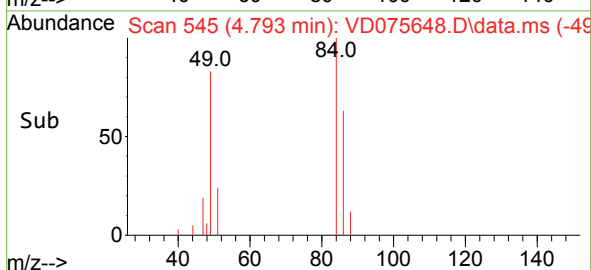
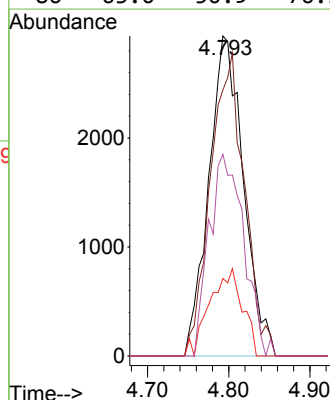
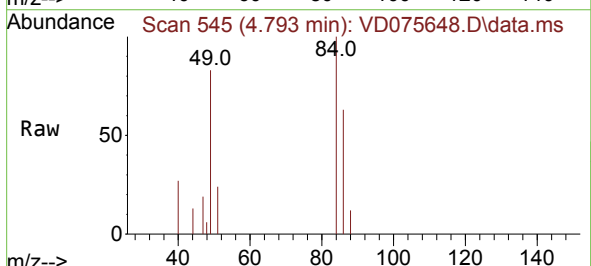
Instrument :
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JPP-3A-040723

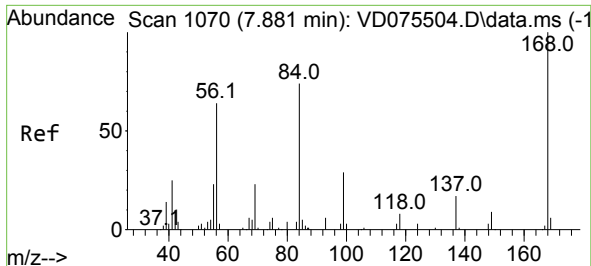
Tgt Ion:168 Resp: 150343
Ion Ratio Lower Upper
168 100
99 54.1 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.012 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 84 Resp: 8710
Ion Ratio Lower Upper
84 100
49 83.2 106.4 159.6#
51 24.2 32.4 48.6#
86 63.0 50.9 76.3

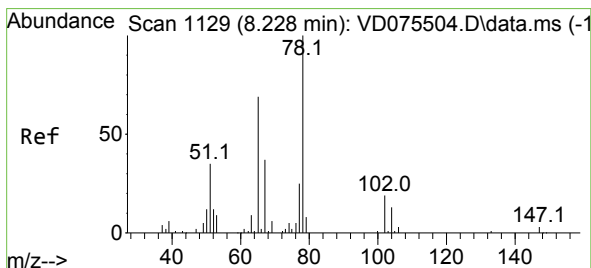
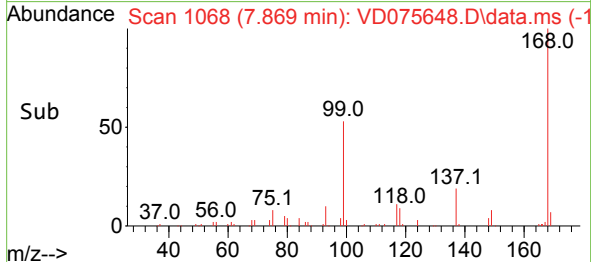
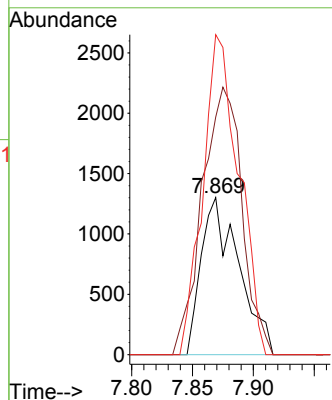
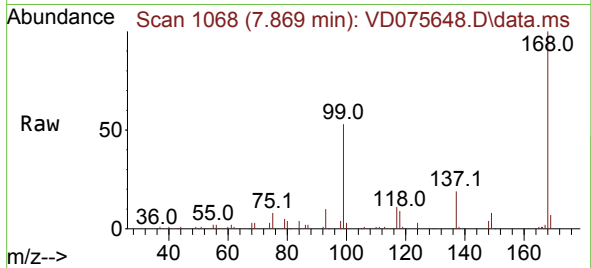




#31
Cyclohexane
Concen: 1.552 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

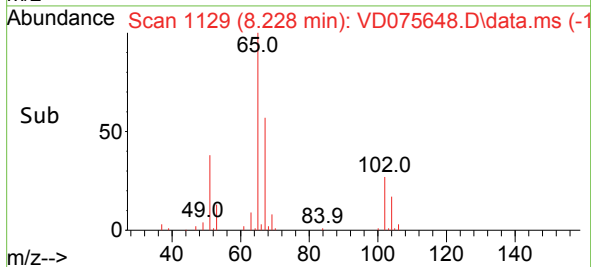
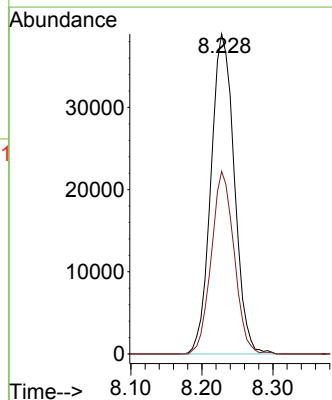
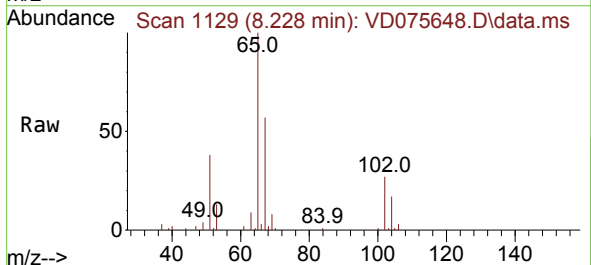
Instrument :
MSVOA_D
ClientSampleId :
JPP-3A-040723

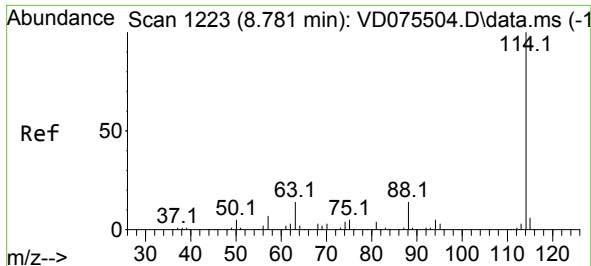
Tgt Ion: 56 Resp: 2784
Ion Ratio Lower Upper
56 100
69 151.3 25.5 38.3#
84 203.8 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 72.224 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 65 Resp: 89077
Ion Ratio Lower Upper
65 100
67 55.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Instrument :

MSVOA_D

ClientSampleId :

JPP-3A-040723

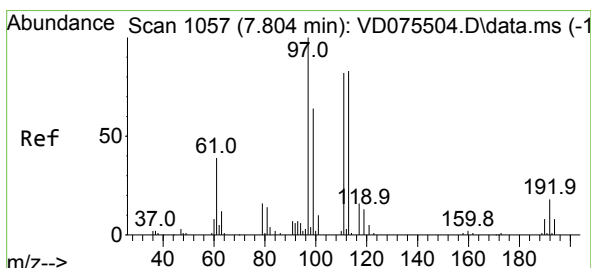
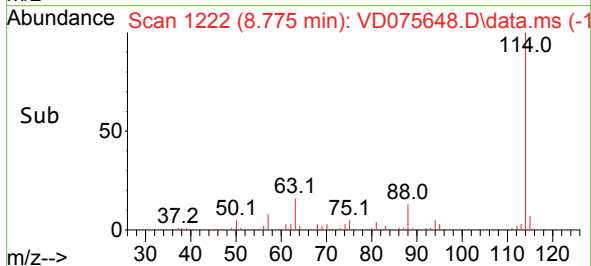
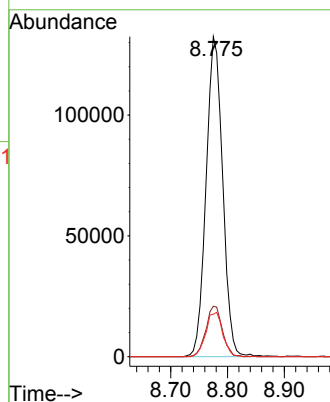
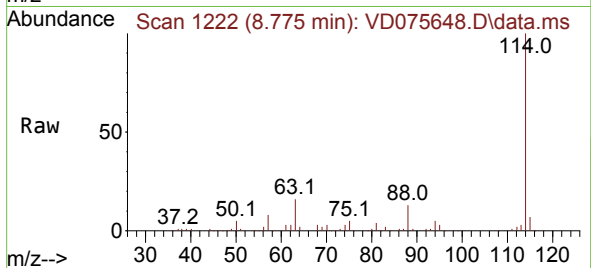
Tgt Ion:114 Resp: 267543

Ion Ratio Lower Upper

114 100

63 15.8 0.0 41.6

88 13.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 70.129 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

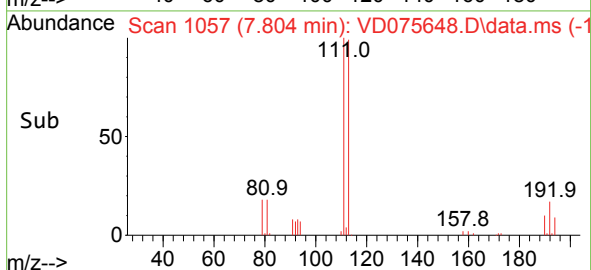
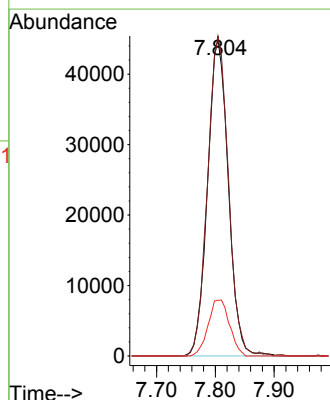
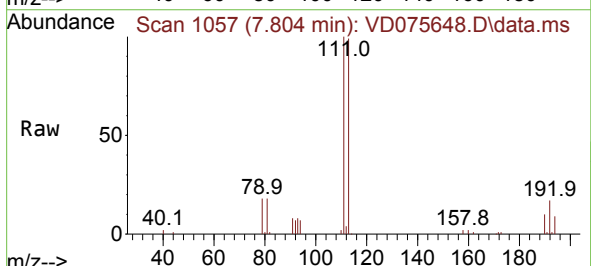
Tgt Ion:113 Resp: 109959

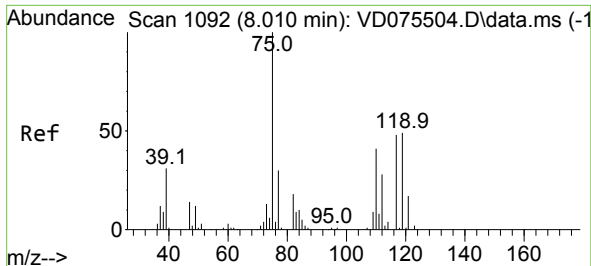
Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

192 18.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.434 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Instrument :

MSVOA_D

ClientSampleId :

JPP-3A-040723

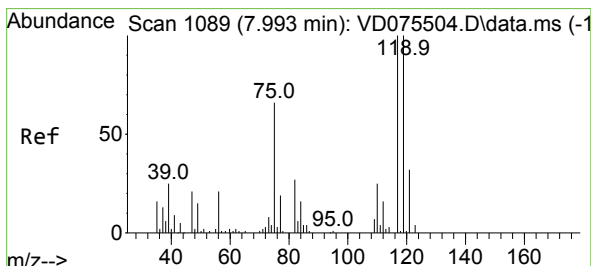
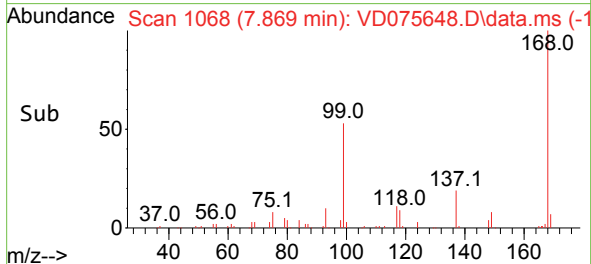
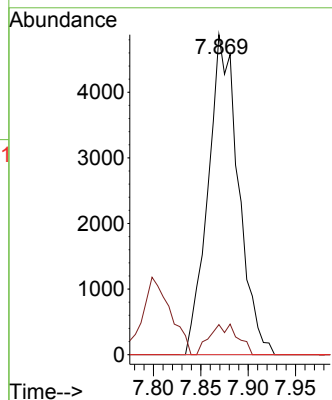
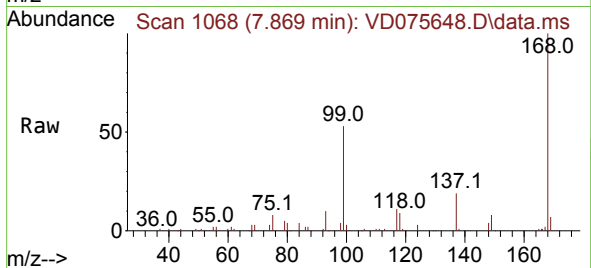
Tgt Ion: 75 Resp: 10881

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 7.526 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

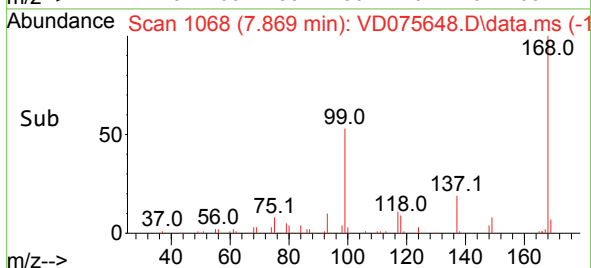
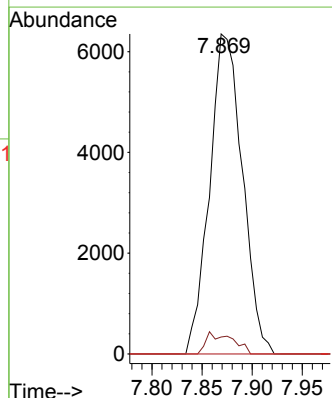
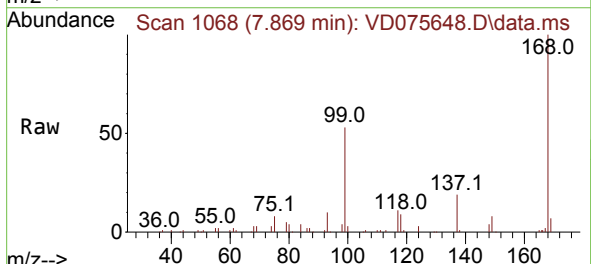
Tgt Ion: 117 Resp: 14452

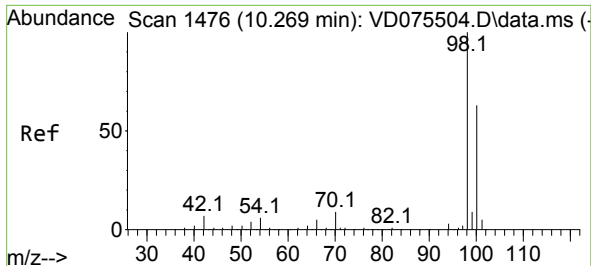
Ion Ratio Lower Upper

117 100

119 5.3 74.7 112.1#

121 0.0 25.9 38.9#

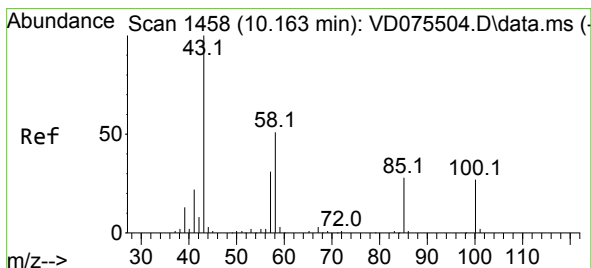
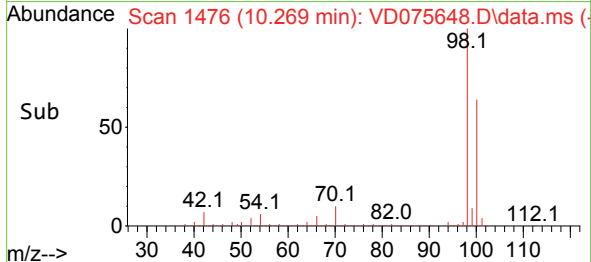
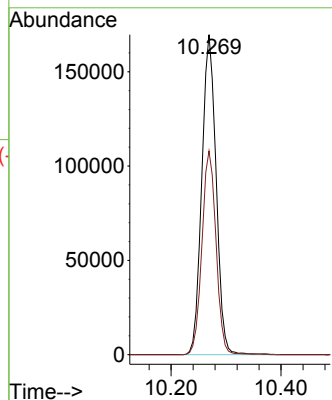
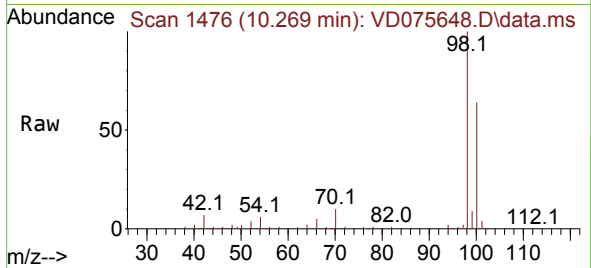




#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

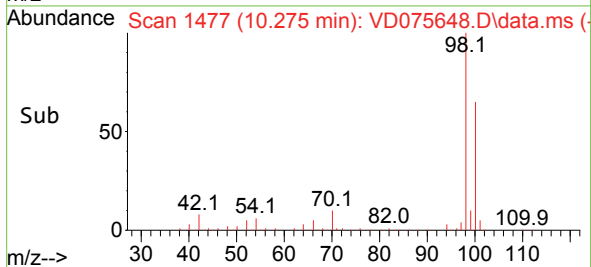
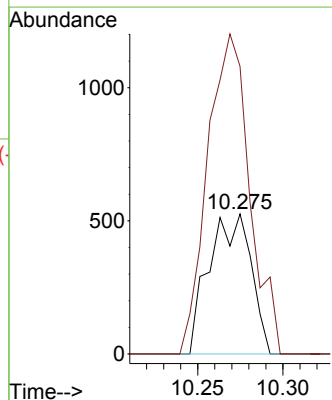
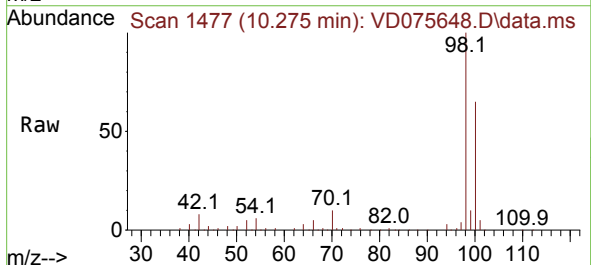
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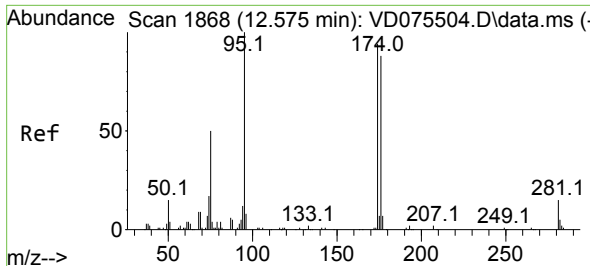
Tgt Ion: 98 Resp: 305995
Ion Ratio Lower Upper
98 100
100 62.6 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.118 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
58 228.3 29.5 44.3#

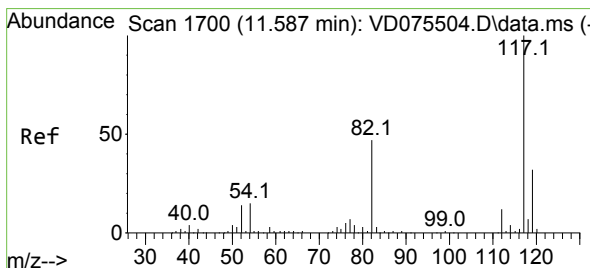
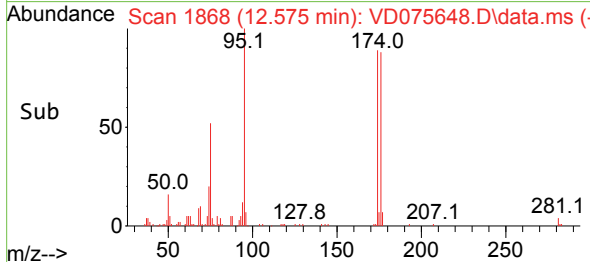
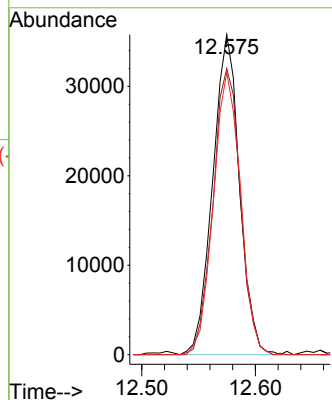
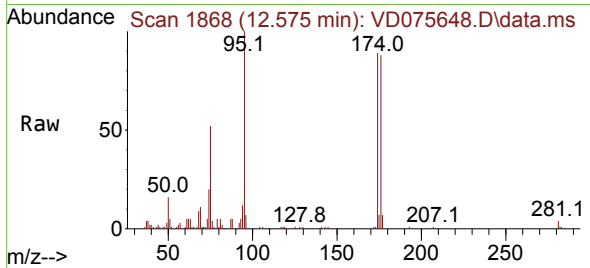




#62
4-Bromofluorobenzene
Concen: 32.461 ug/l
RT: 12.575 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

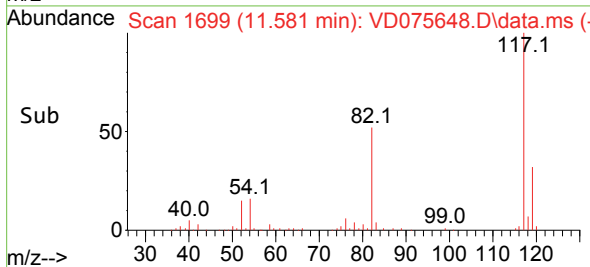
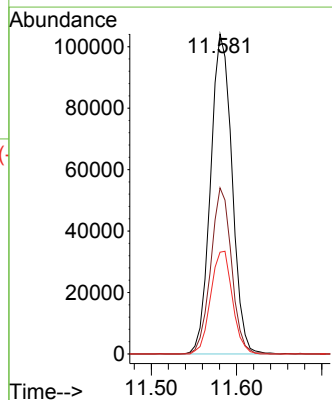
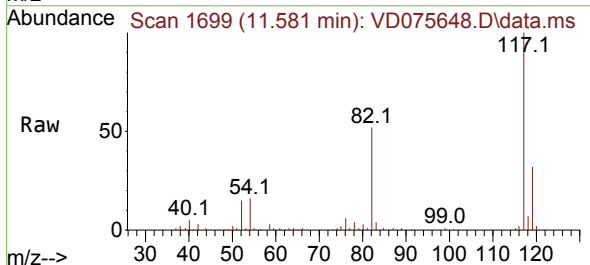
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JPP-3A-040723

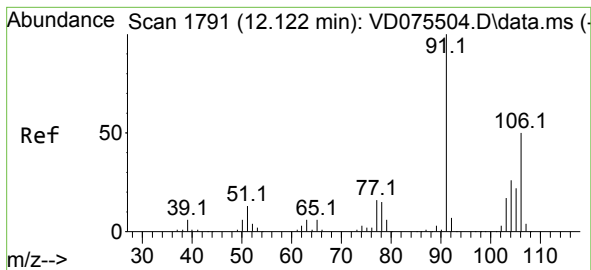
Tgt Ion: 95 Resp: 58733
Ion Ratio Lower Upper
95 100
174 91.1 0.0 164.0
176 88.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 117 Resp: 182129
Ion Ratio Lower Upper
117 100
82 51.9 44.0 66.0
119 31.8 25.1 37.7





#69

o-Xylene

Concen: 9.893 ug/l

RT: 12.122 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Instrument :

MSVOA_D

ClientSampleId :

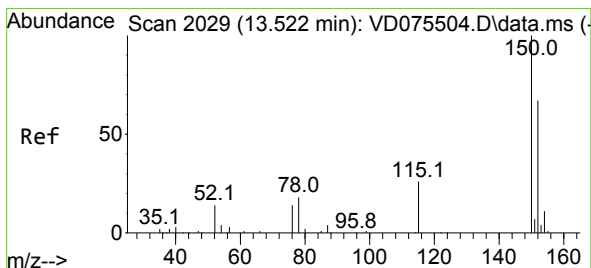
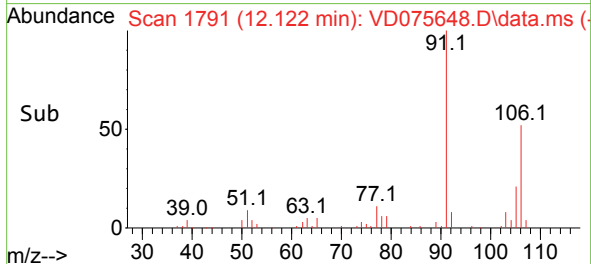
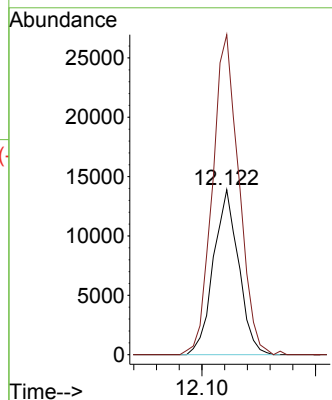
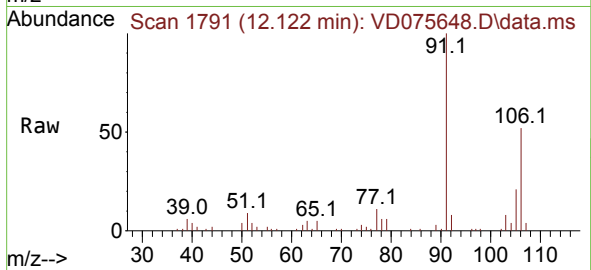
JPP-3A-040723

Tgt Ion:106 Resp: 21396

Ion Ratio Lower Upper

106 100

91 203.7 105.7 317.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

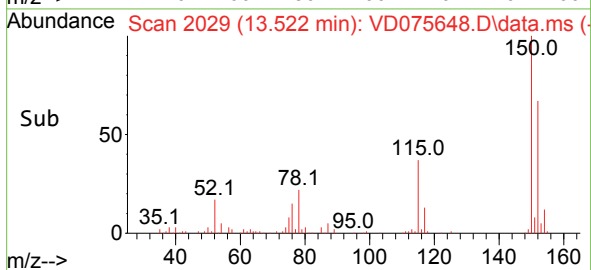
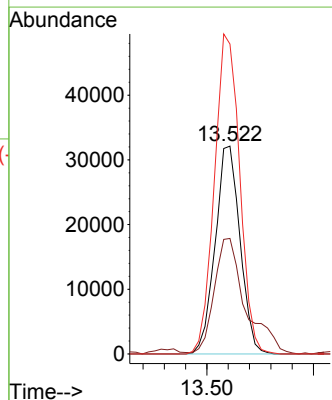
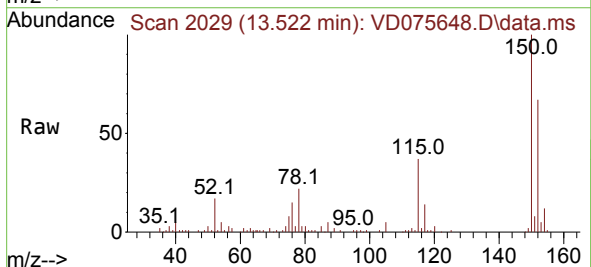
Tgt Ion:152 Resp: 52067

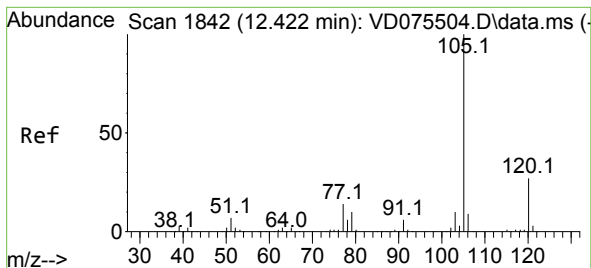
Ion Ratio Lower Upper

152 100

115 69.9 30.1 90.3

150 156.6 0.0 364.8





#73

Isopropylbenzene

Concen: 1.955 ug/l

RT: 12.428 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Instrument :

MSVOA_D

ClientSampleId :

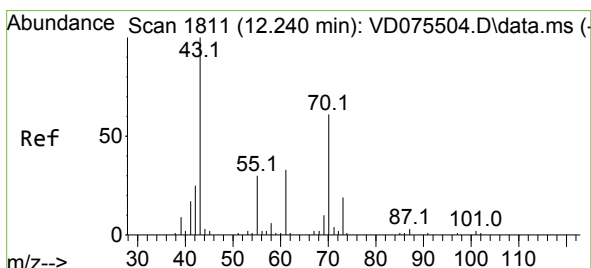
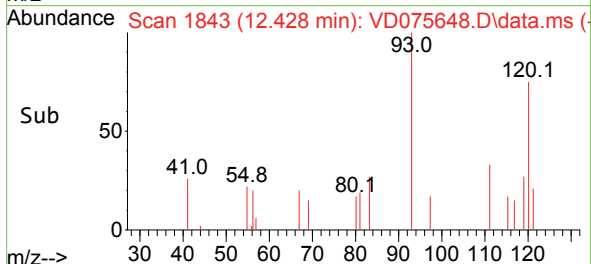
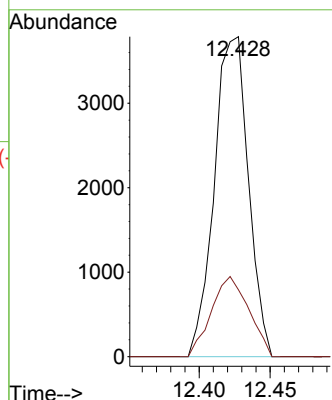
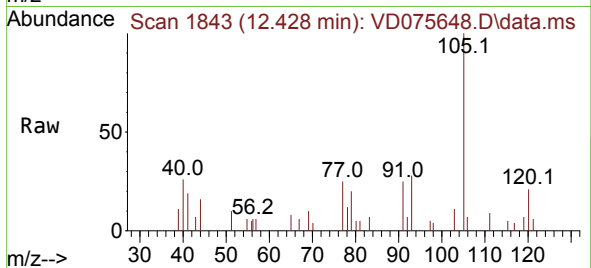
JPP-3A-040723

Tgt Ion:105 Resp: 6316

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.1



#74

N-ethyl acetate

Concen: 3.001 ug/l

RT: 12.216 min Scan# 1807

Delta R.T. -0.024 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Tgt Ion: 43 Resp: 1360

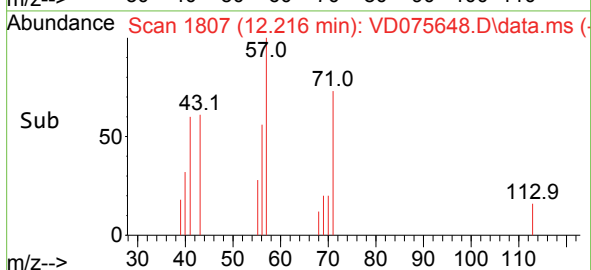
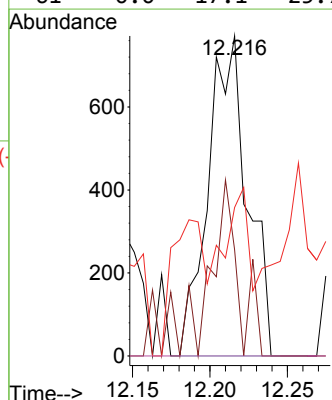
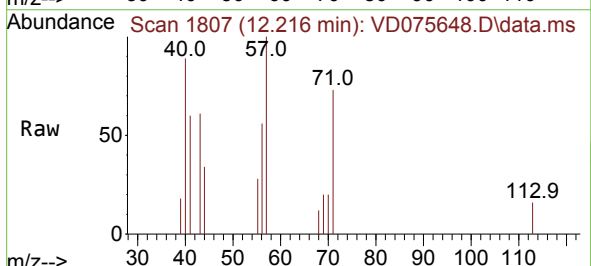
Ion Ratio Lower Upper

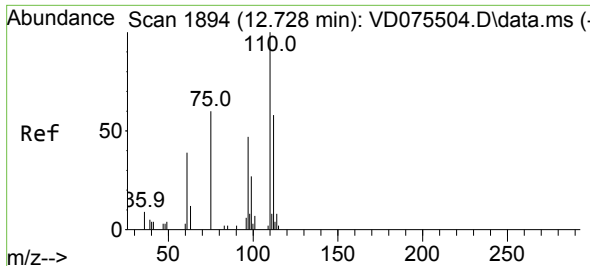
43 100

70 38.7 31.0 46.4

55 9.5 18.6 28.0#

61 0.0 17.1 25.7#

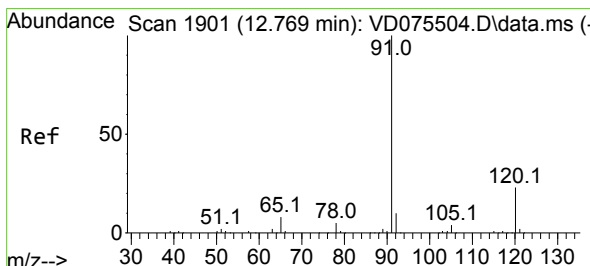
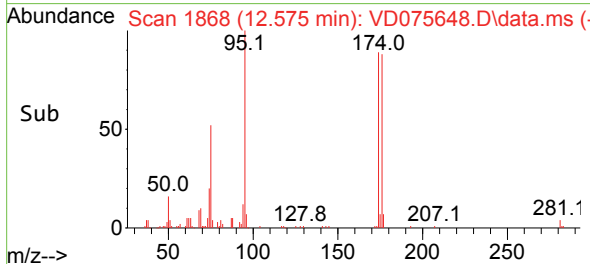
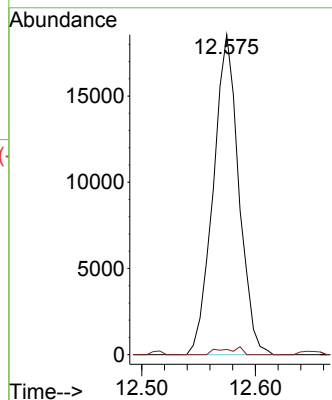
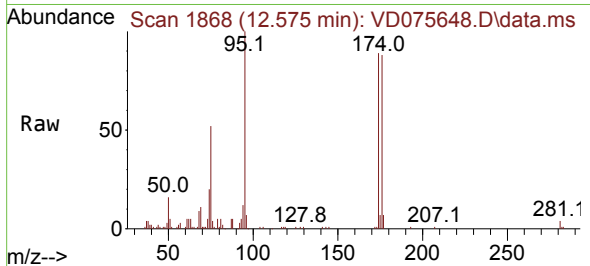




#76
1,2,3-Trichloropropane
Concen: 85.813 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

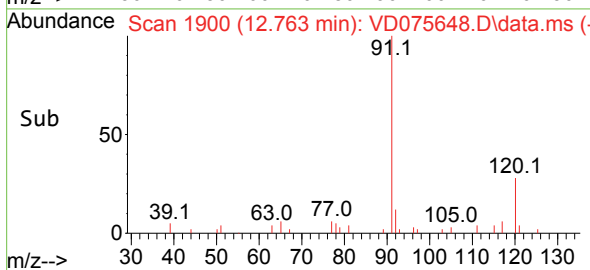
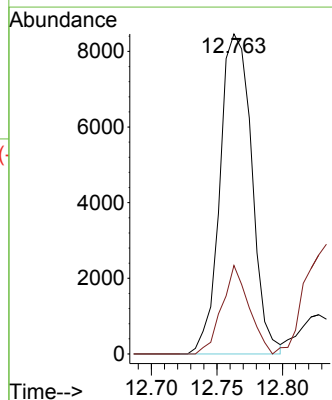
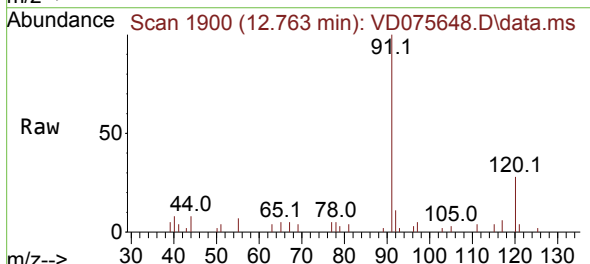
Instrument :
MSVOA_D
ClientSampleId :
JPP-3A-040723

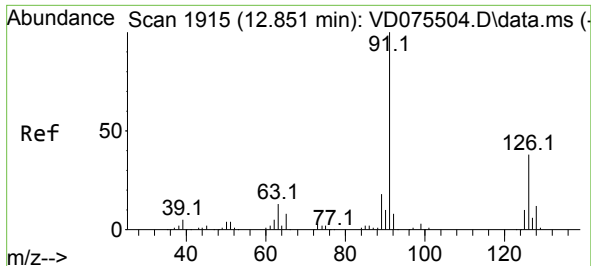
Tgt Ion: 75 Resp: 29048
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#78
n-propylbenzene
Concen: 3.674 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 91 Resp: 14273
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2

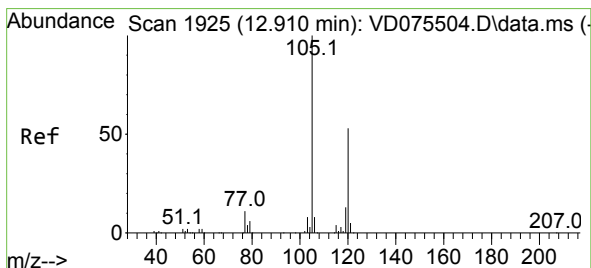
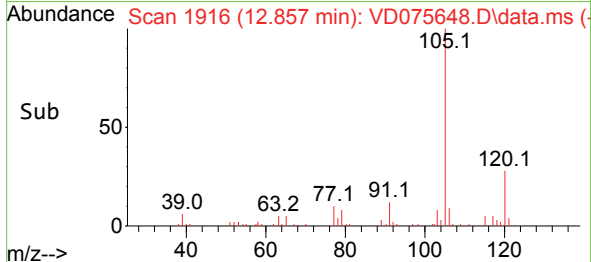
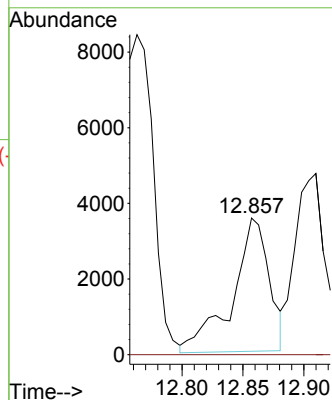
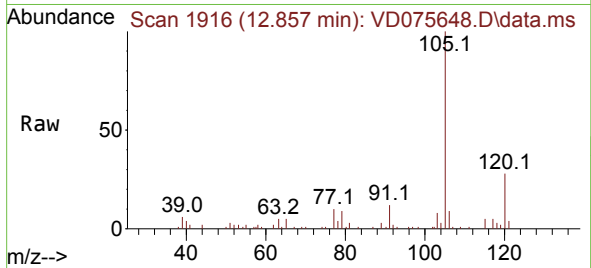




#79
2-Chlorotoluene
Concen: 3.452 ug/l
RT: 12.857 min Scan# 1915
Delta R.T. 0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

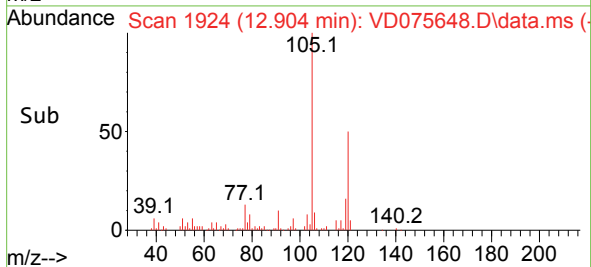
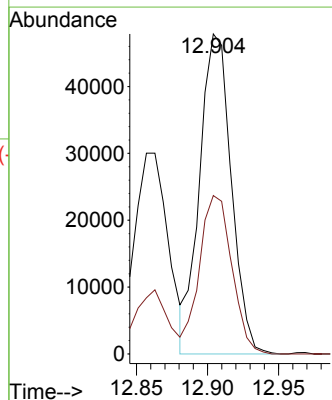
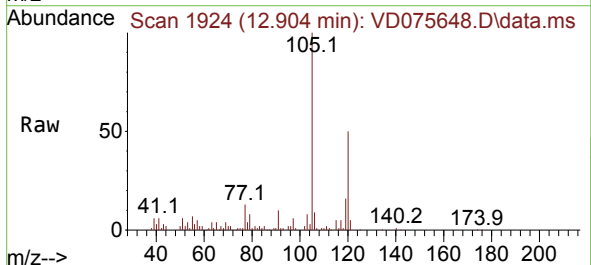
Instrument :
MSVOA_D
ClientSampleId :
JPP-3A-040723

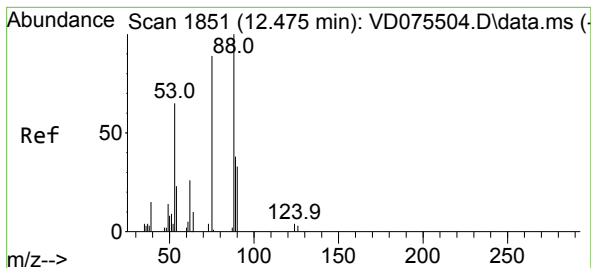
Tgt Ion: 91 Resp: 7416
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#



#80
1,3,5-Trimethylbenzene
Concen: 28.068 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 105 Resp: 74273
Ion Ratio Lower Upper
105 100
120 50.8 24.3 72.8

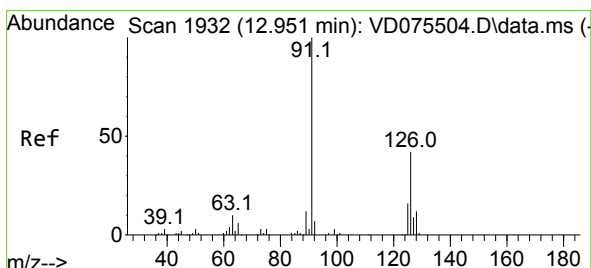
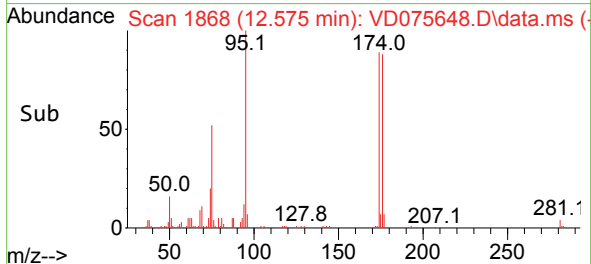
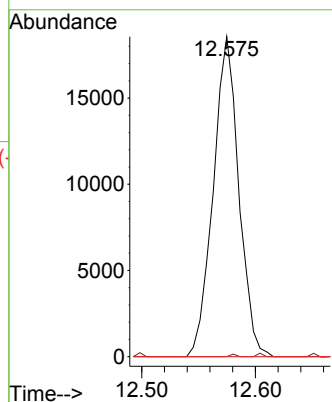
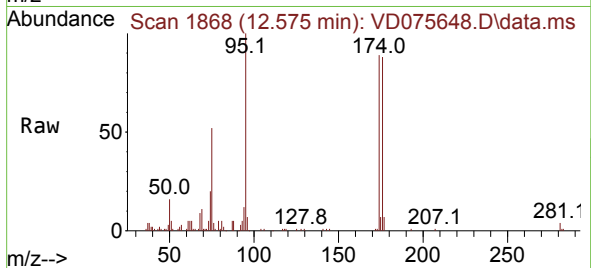




#81
trans-1,4-Dichloro-2-butene
Concen: 163.379 ug/l
RT: 12.575 min Scan# 1851
Delta R.T. 0.106 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

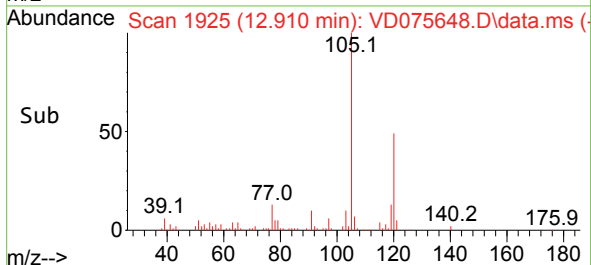
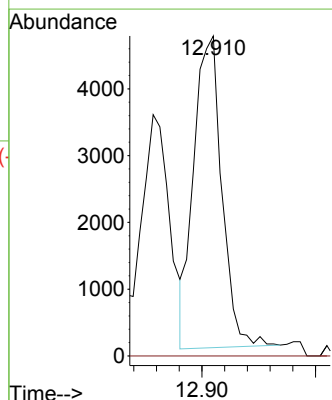
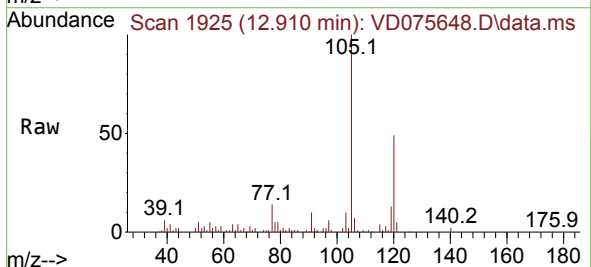
Instrument :
MSVOA_D
ClientSampleId :
JPP-3A-040723

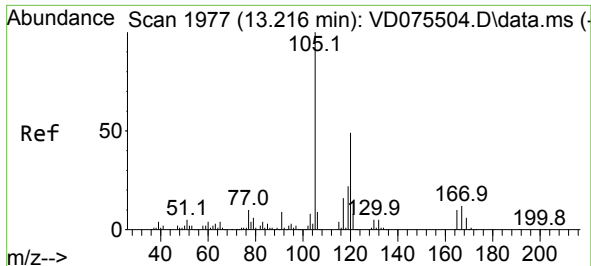
Tgt Ion: 75 Resp: 29048
Ion Ratio Lower Upper
75 100
53 0.2 90.5 135.7#
89 0.0 40.2 60.4#



#82
4-Chlorotoluene
Concen: 3.590 ug/l
RT: 12.910 min Scan# 1925
Delta R.T. -0.041 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 91 Resp: 8002
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#

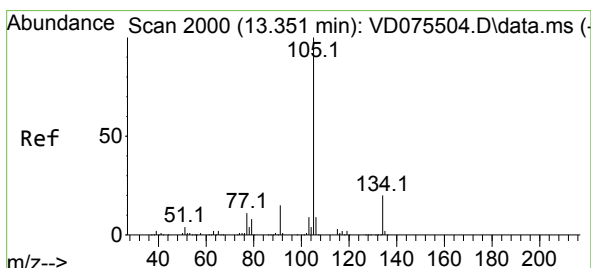
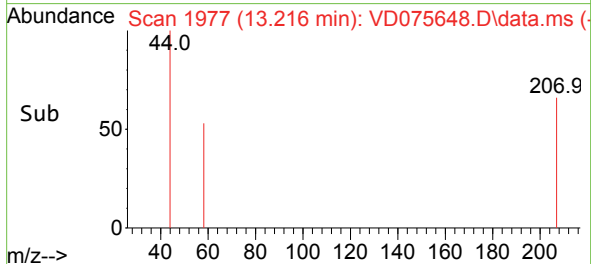
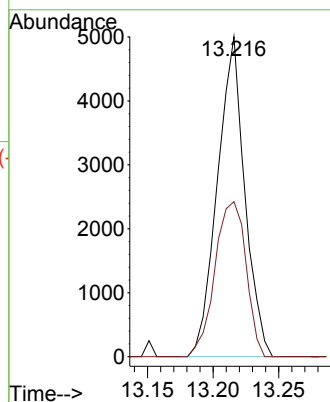
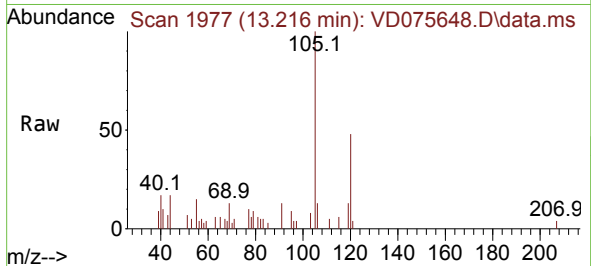




#84
1,2,4-Trimethylbenzene
Concen: 2.712 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. -0.000 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

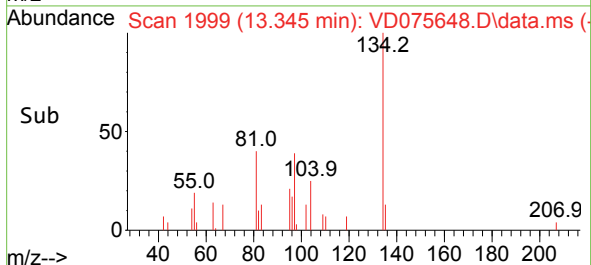
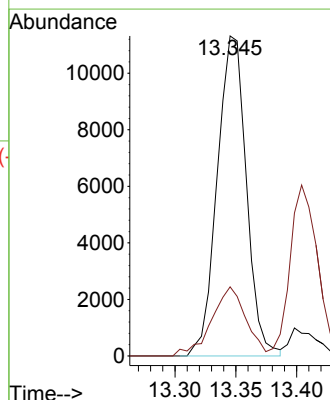
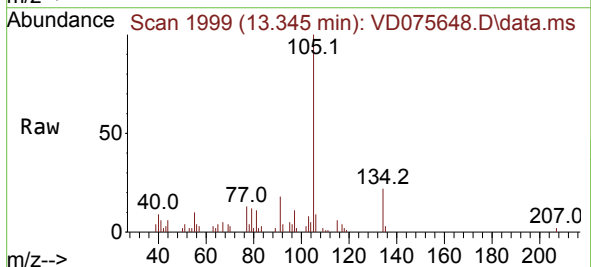
Instrument :
MSVOA_D
ClientSampleId :
JPP-3A-040723

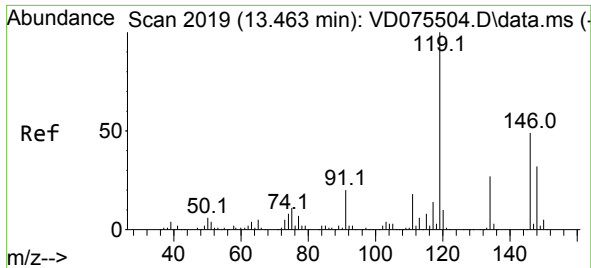
Tgt Ion:105 Resp: 7248
Ion Ratio Lower Upper
105 100
120 55.2 22.3 66.9



#85
sec-Butylbenzene
Concen: 5.379 ug/l
RT: 13.345 min Scan# 1999
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion:105 Resp: 18885
Ion Ratio Lower Upper
105 100
134 25.3 9.9 29.7

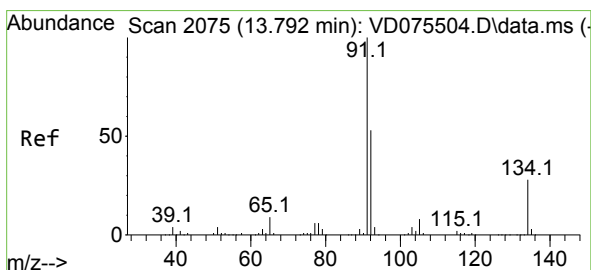
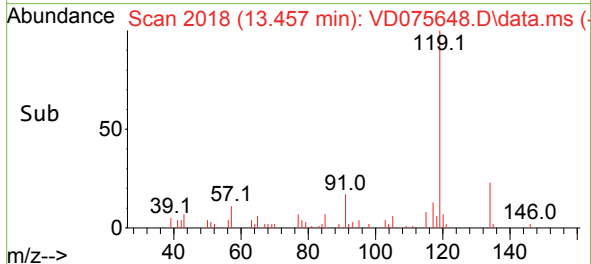
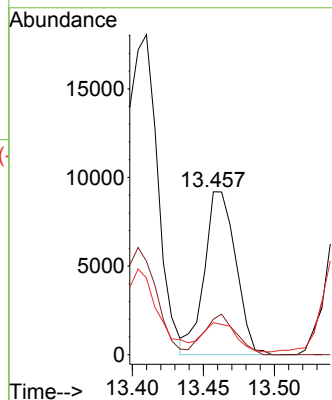
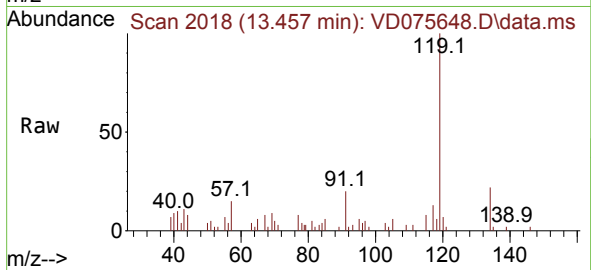




#86
p-Isopropyltoluene
Concen: 4.806 ug/l
RT: 13.457 min Scan# 2019
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

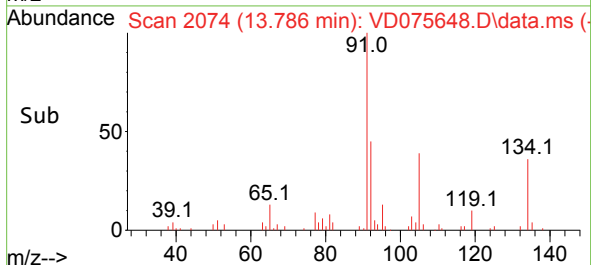
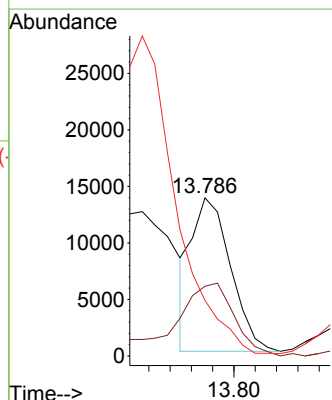
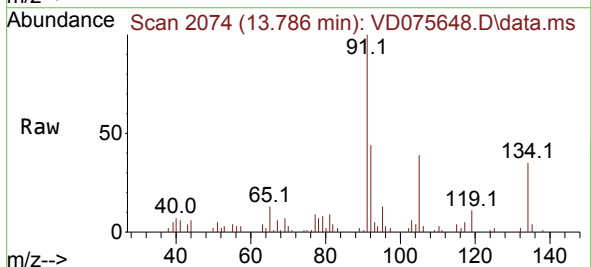
Instrument :
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ClientSampleId :
JPP-3A-040723

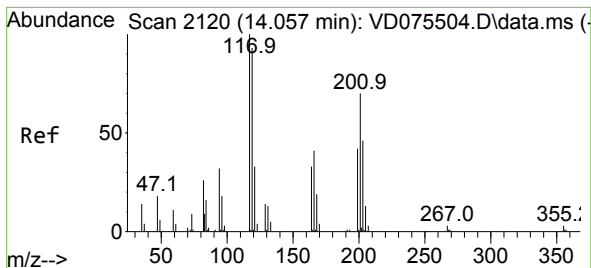
Tgt Ion:119 Resp: 14185
Ion Ratio Lower Upper
119 100
134 24.8 13.1 39.3
91 18.7 12.4 37.4



#89
n-Butylbenzene
Concen: 6.410 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.006 min
Lab File: VD075648.D
Acq: 12 Apr 2023 19:16

Tgt Ion: 91 Resp: 17202
Ion Ratio Lower Upper
91 100
92 72.5 26.2 78.5
134 0.0 12.7 38.0#





#90

Hexachloroethane

Concen: 21.200 ug/l

RT: 14.063 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

Instrument :

MSVOA_D

ClientSampleId :

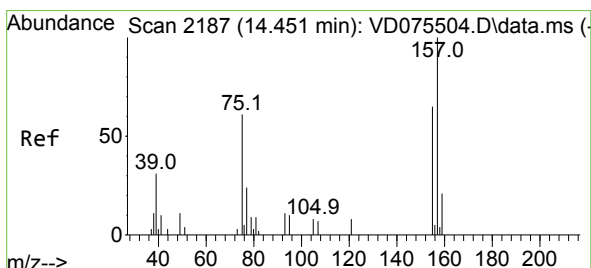
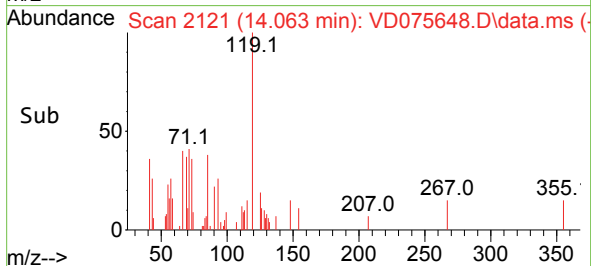
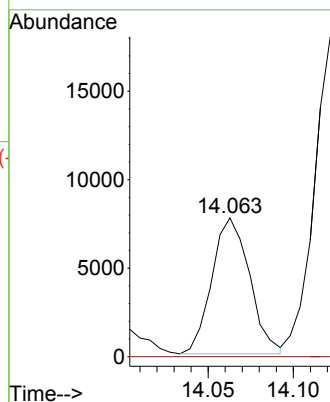
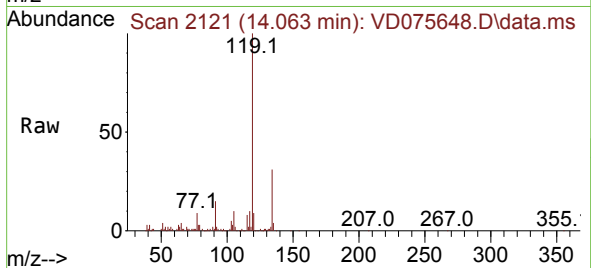
JPP-3A-040723

Tgt Ion:117 Resp: 11836

Ion Ratio Lower Upper

117 100

201 0.0 34.5 103.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 12.037 ug/l

RT: 14.428 min Scan# 2183

Delta R.T. -0.017 min

Lab File: VD075648.D

Acq: 12 Apr 2023 19:16

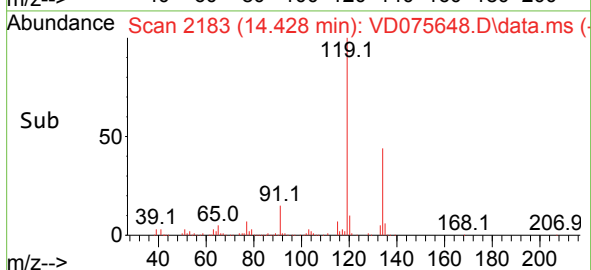
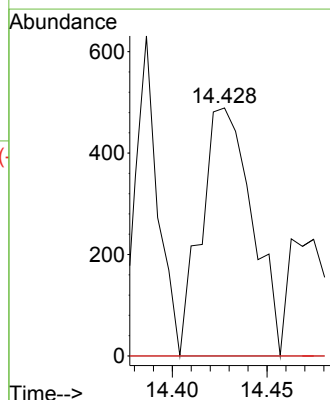
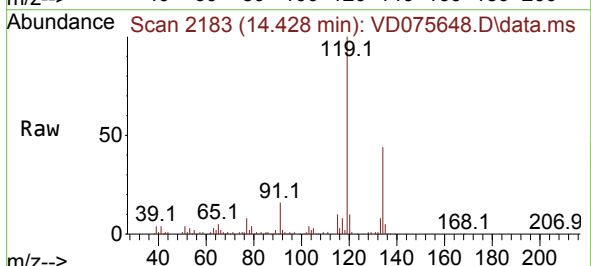
Tgt Ion: 75 Resp: 910

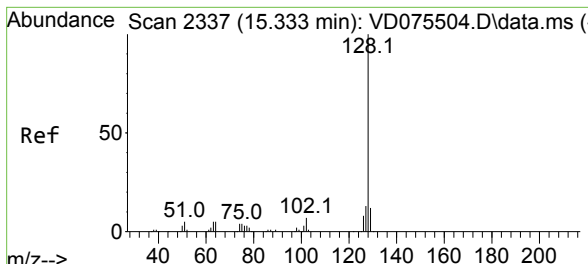
Ion Ratio Lower Upper

75 100

155 0.0 39.5 118.5#

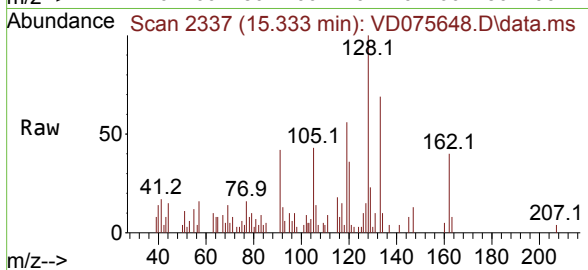
157 0.0 53.5 160.7#





#95
 Naphthalene
 Concen: 8.320 ug/l
 RT: 15.333 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD075648.D
 Acq: 12 Apr 2023 19:16

Instrument :
 MSVOA_D
 ClientSampleId :
 JPP-3A-040723



Tgt Ion:128 Resp: 12299
 Ion Ratio Lower Upper
 128 100
 127 16.6 10.4 15.6#
 129 7.8 8.8 13.2#

