

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012033.D
 Acq On : 29 Dec 2022 17:12
 Operator : KP/MD
 Sample : N6225-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-03-122822

Quant Time: Dec 30 04:00:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

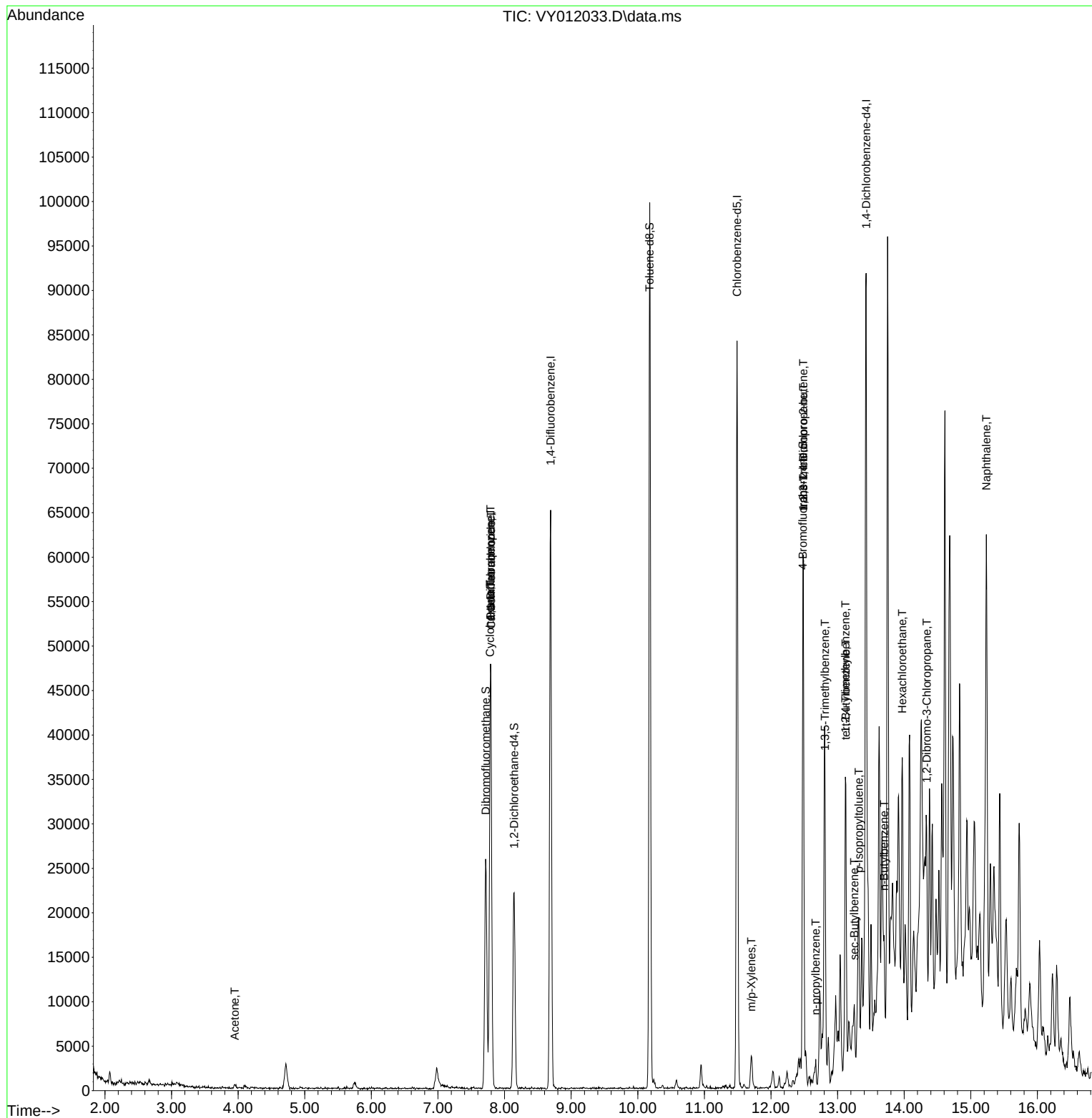
Internal Standards						
1) Pentafluorobenzene	7.789	168	38562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	57271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	47088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	20977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	18430	47.438	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 94.880%			
35) Dibromofluoromethane	7.716	113	17550	50.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.800%			
50) Toluene-d8	10.179	98	66492	47.532	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.060%			
62) 4-Bromofluorobenzene	12.477	95	17751	37.730	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.460%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	179	Below Cal	#	74
16) Acetone	3.948	43	545	9.481	ug/l	97
20) Methylene Chloride	4.710	84	2053	Below Cal	#	85
31) Cyclohexane	7.783	56	703	1.075	ug/l	# 55
36) 1,1-Dichloropropene	7.789	75	2858	5.168	ug/l	# 49
38) Carbon Tetrachloride	7.795	117	3812	5.968	ug/l	# 18
68) m/p-Xylenes	11.703	106	949	1.381	ug/l	90
76) 1,2,3-Trichloropropane	12.483	75	8664	33.192	ug/l	# 100
78) n-propylbenzene	12.672	91	2037	1.089	ug/l	96
80) 1,3,5-Trimethylbenzene	12.813	105	4134	3.102	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.483	75	8664	90.897	ug/l	# 13
83) tert-Butylbenzene	13.123	119	2367	2.096	ug/l	# 70
84) 1,2,4-Trimethylbenzene	13.117	105	17939	13.682	ug/l	98
85) sec-Butylbenzene	13.252	105	2293	1.360	ug/l	87
86) p-Isopropyltoluene	13.319	119	2678	1.882	ug/l	91
89) n-Butylbenzene	13.697	91	4835	3.753	ug/l	# 80
90) Hexachloroethane	13.971	117	1239	4.563	ug/l	# 9
92) 1,2-Dibromo-3-Chloropr...	14.337	75	99	2.218	ug/l	# 1
95) Naphthalene	15.233	128	40234	51.964	ug/l	99

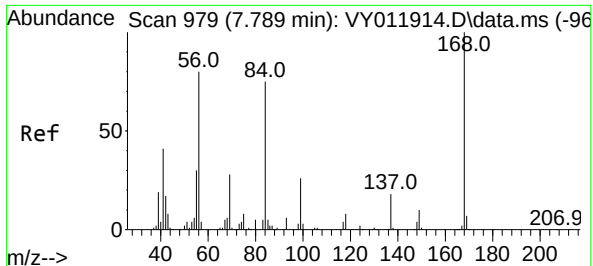
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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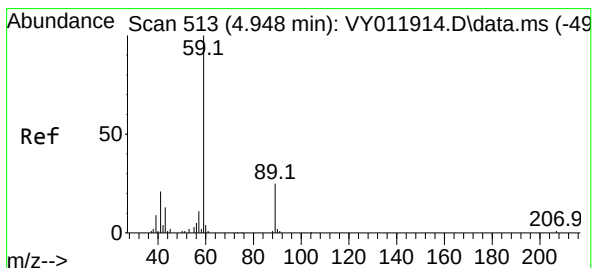
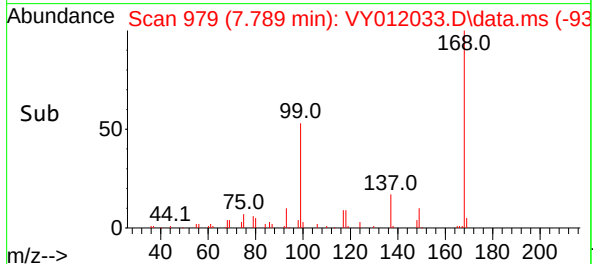
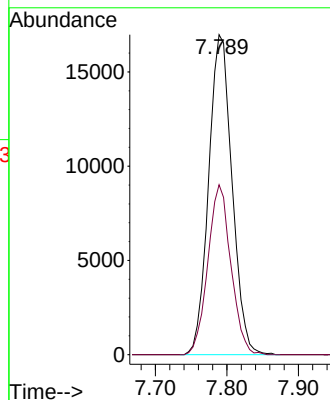
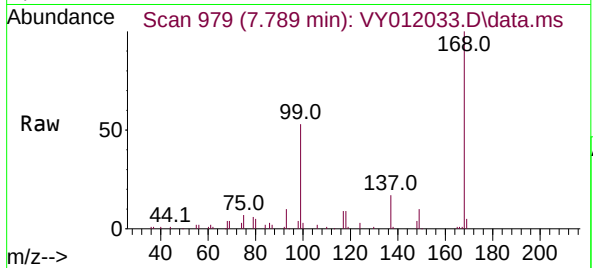




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

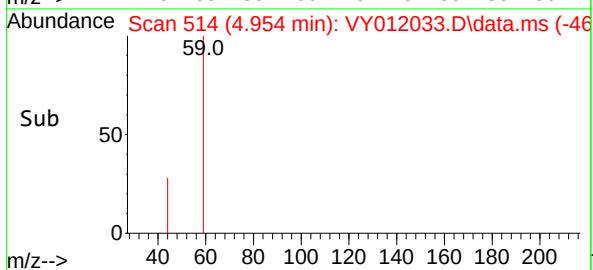
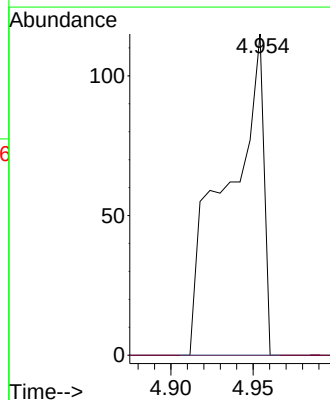
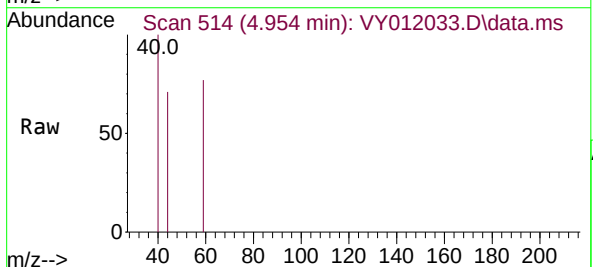
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

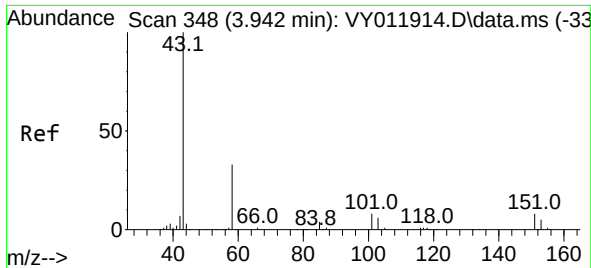
Tgt Ion:168 Resp: 38562
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#





#16

Acetone

Concen: 9.481 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

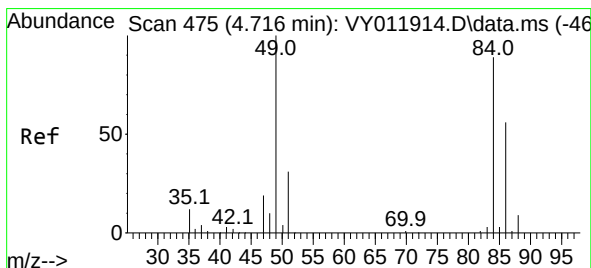
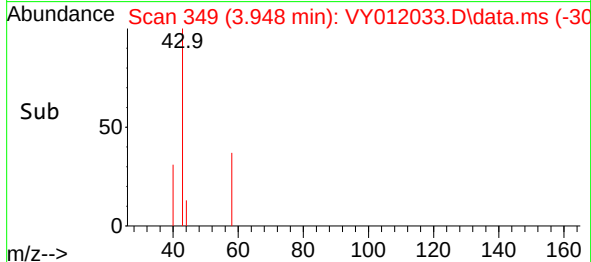
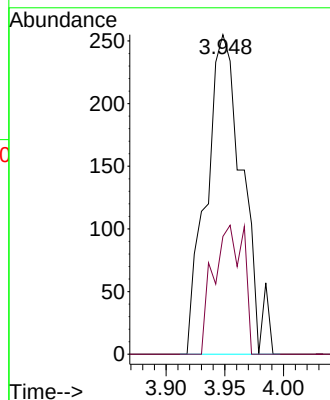
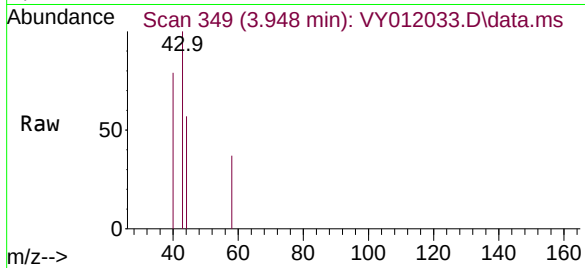
EO-03-122822

Tgt Ion: 43 Resp: 545

Ion Ratio Lower Upper

43 100

58 36.9 27.9 41.9



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

Tgt Ion: 84 Resp: 2053

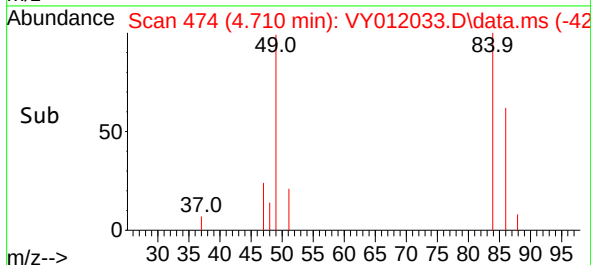
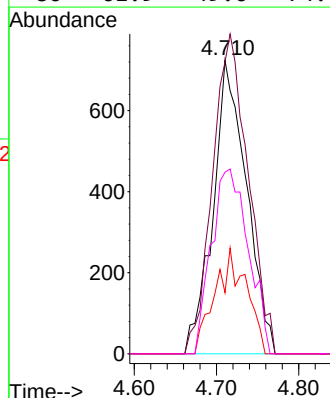
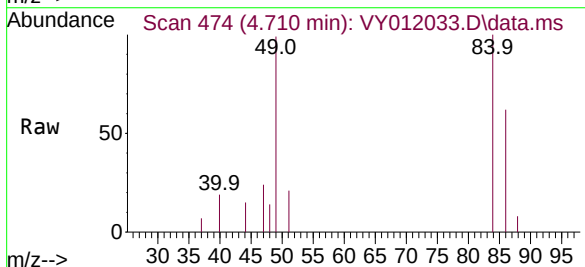
Ion Ratio Lower Upper

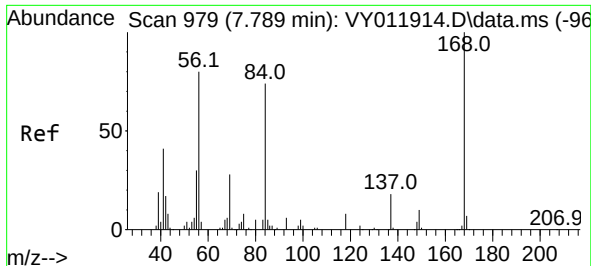
84 100

49 99.4 95.4 143.2

51 20.9 29.9 44.9#

86 61.9 49.6 74.4

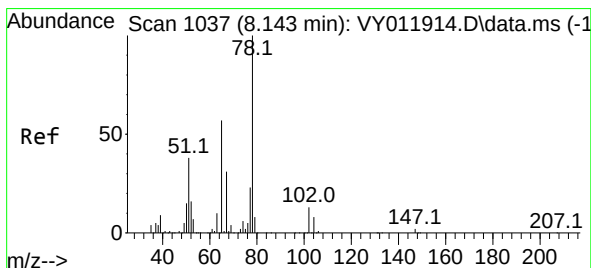
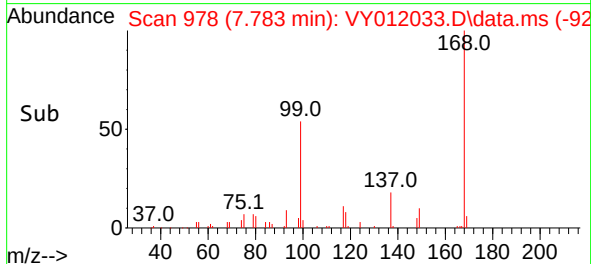
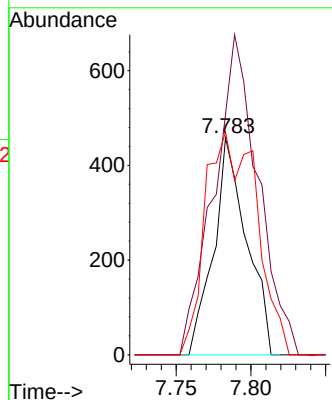
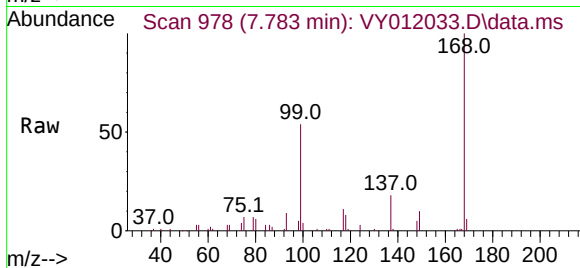




#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

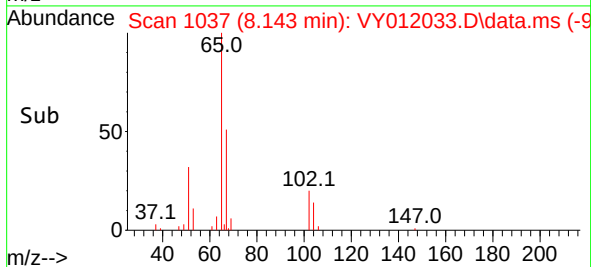
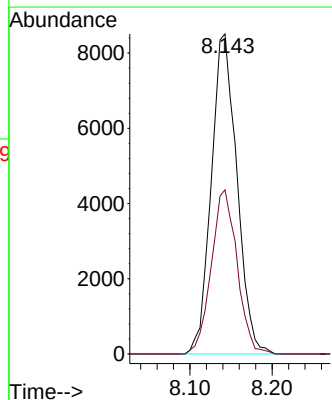
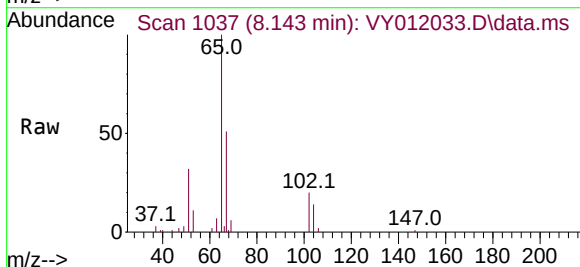
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

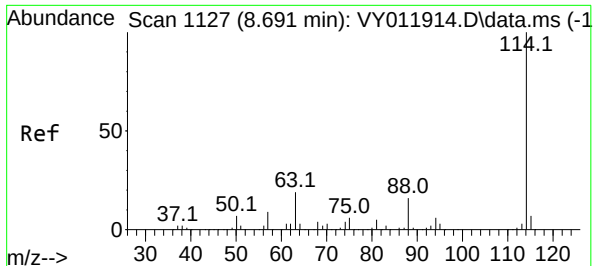
Tgt Ion: 56 Resp: 703
Ion Ratio Lower Upper
56 100
69 110.7 29.2 43.8#
84 102.8 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 47.438 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 65 Resp: 18430
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-122822

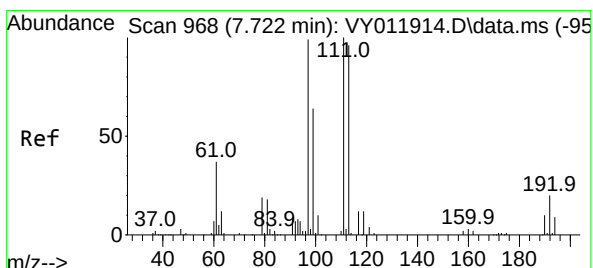
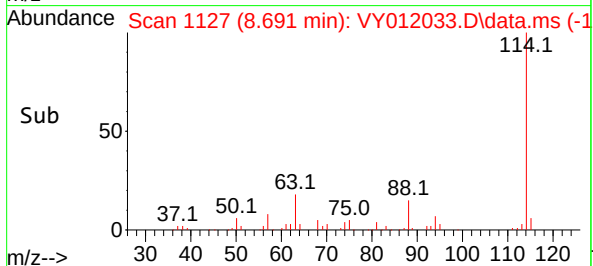
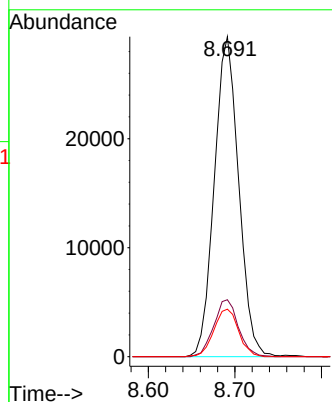
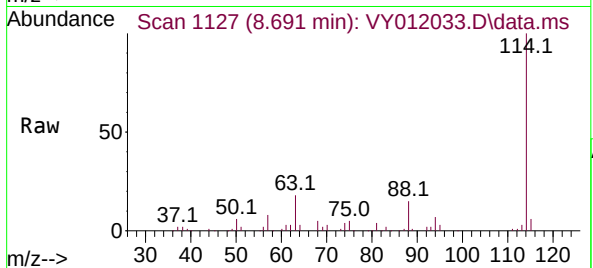
Tgt Ion:114 Resp: 57271

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 14.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.901 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

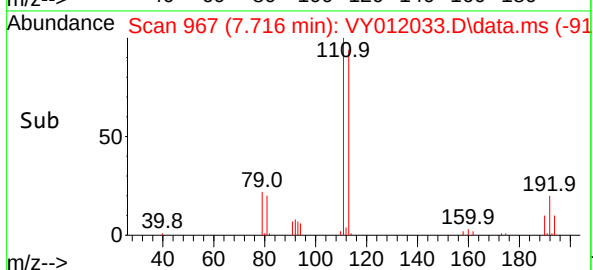
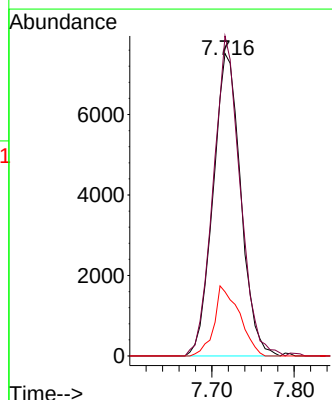
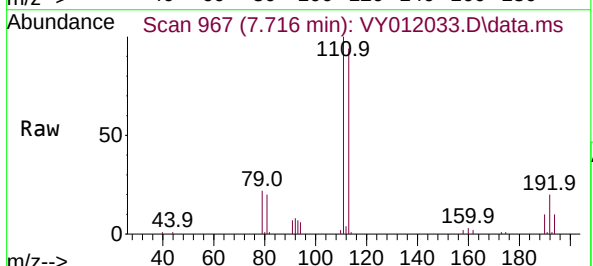
Tgt Ion:113 Resp: 17550

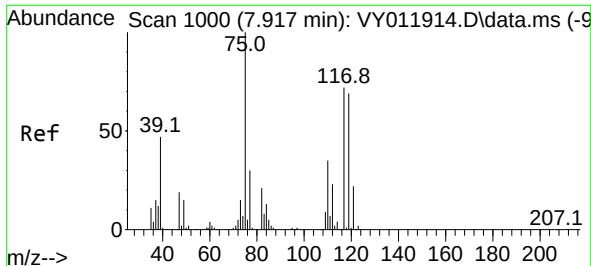
Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

192 21.2 16.0 24.0

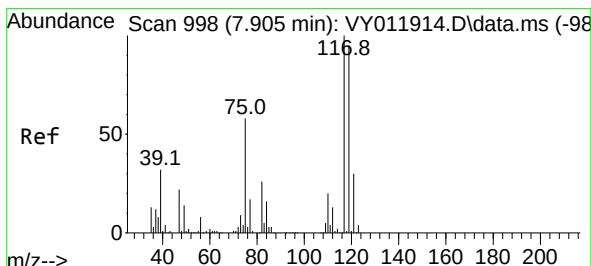
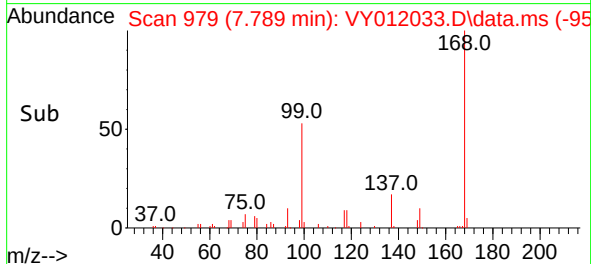
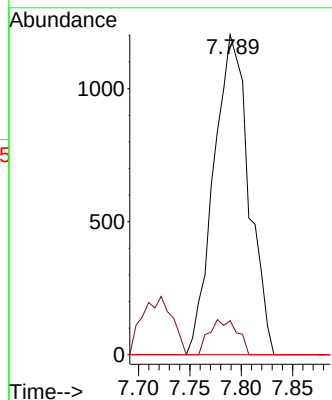
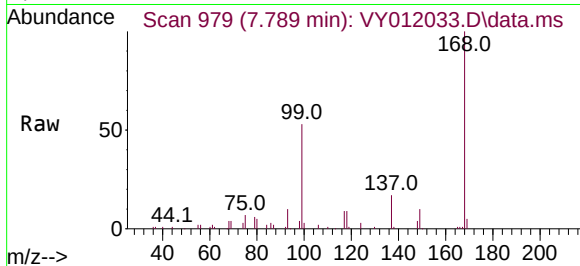




#36
 1,1-Dichloropropene
 Concen: 5.168 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY012033.D
 Acq: 29 Dec 2022 17:12

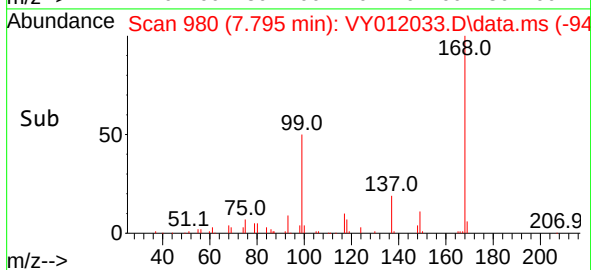
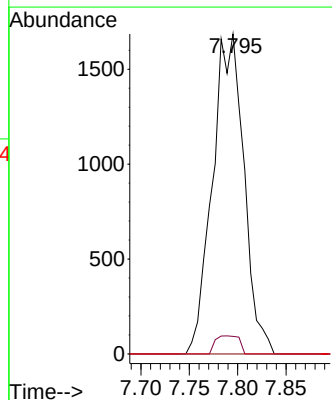
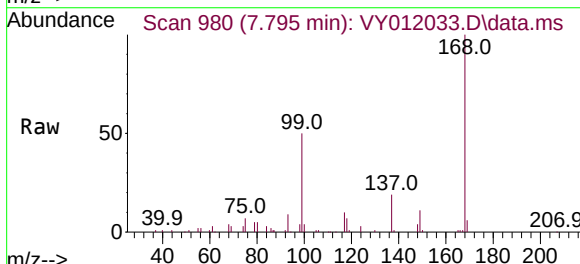
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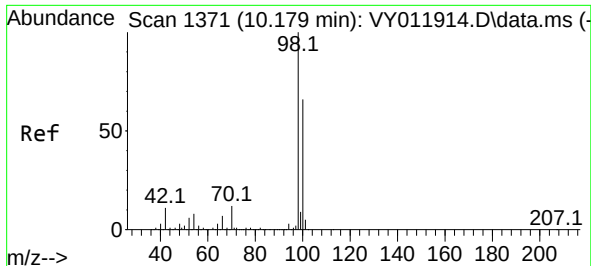
Tgt Ion: 75 Resp: 2858
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.1#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.968 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY012033.D
 Acq: 29 Dec 2022 17:12

Tgt Ion: 117 Resp: 3812
 Ion Ratio Lower Upper
 117 100
 119 5.5 73.8 110.8#
 121 0.0 25.2 37.8#

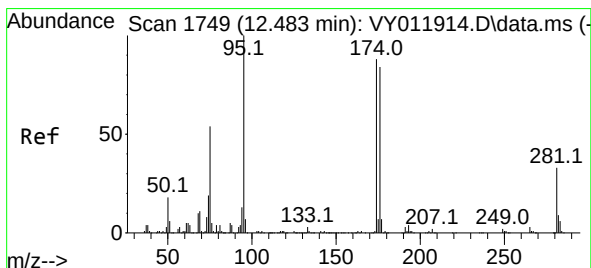
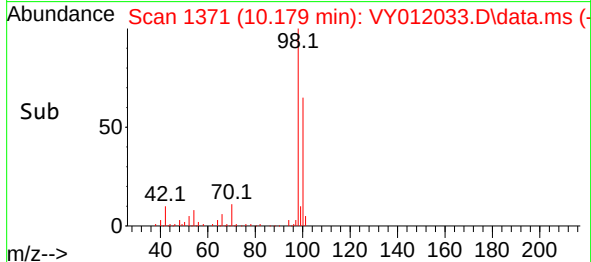
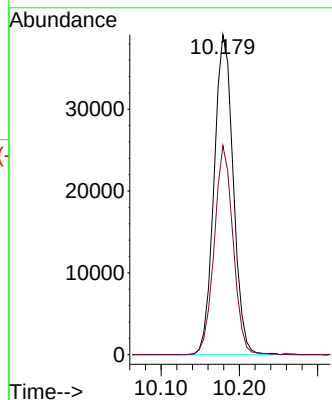
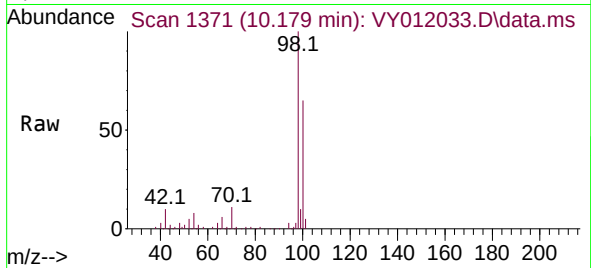




#50
Toluene-d8
Concen: 47.532 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

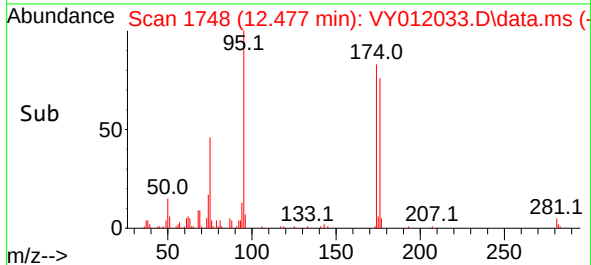
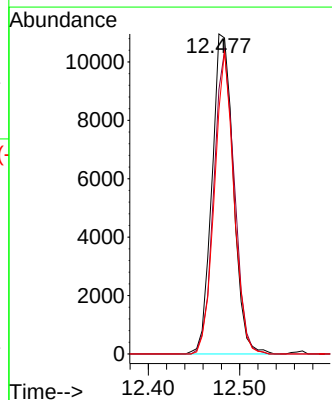
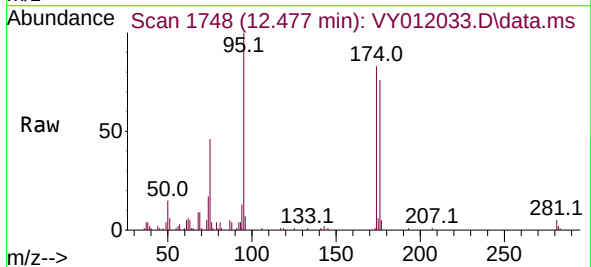
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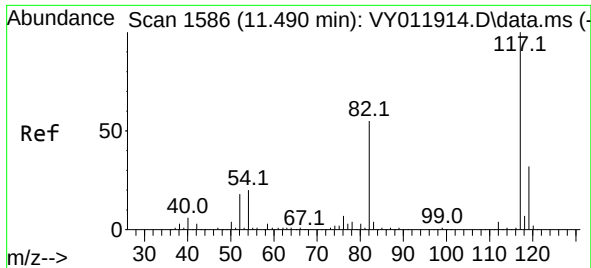
Tgt Ion: 98 Resp: 66492
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 37.730 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 95 Resp: 17751
Ion Ratio Lower Upper
95 100
174 91.3 0.0 172.0
176 85.8 0.0 167.6

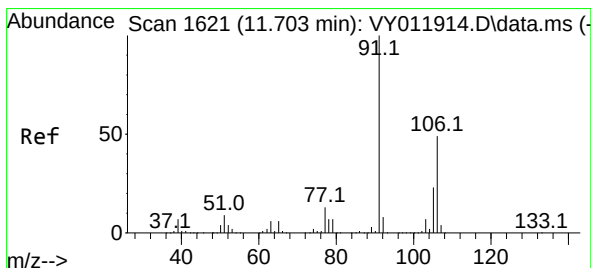
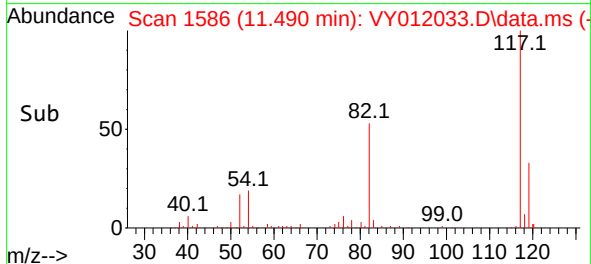
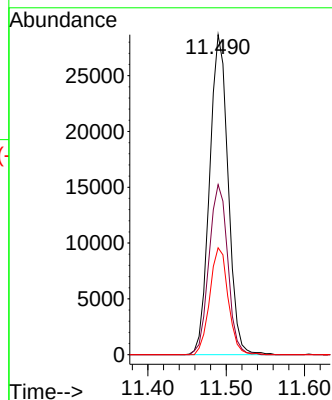
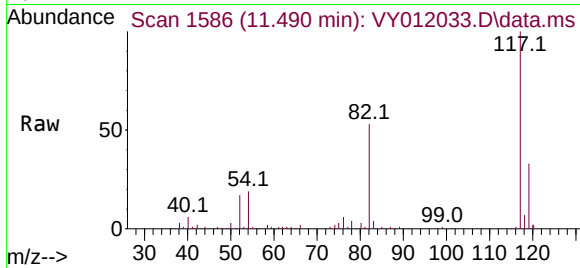




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

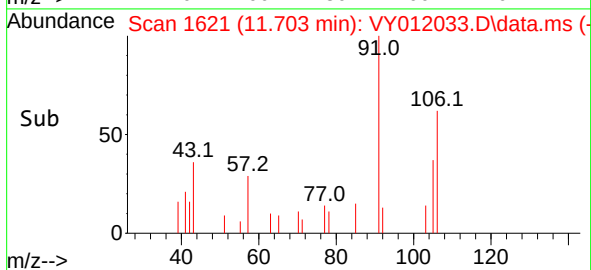
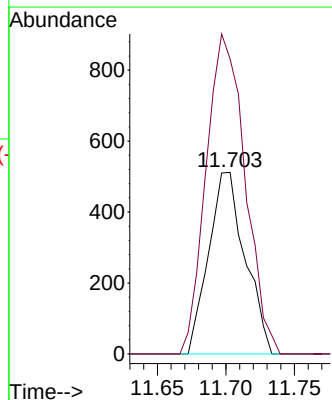
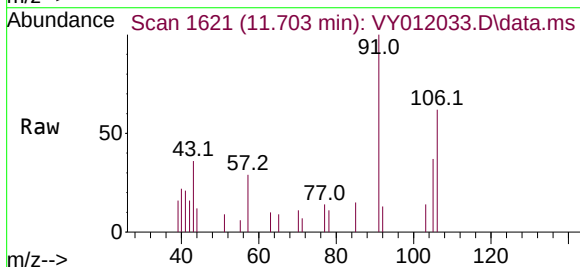
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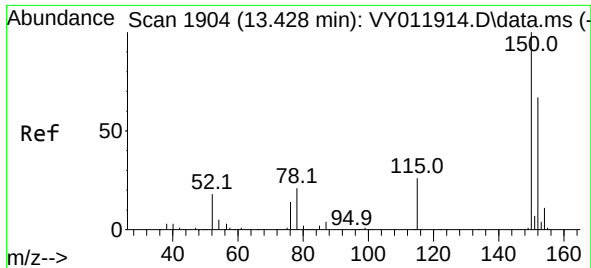
Tgt Ion:117	Resp:	47088
Ion	Ratio	Lower Upper
117	100	
82	53.2	44.8 67.2
119	33.4	25.4 38.2



#68
m/p-Xylenes
Concen: 1.381 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion:106	Resp:	949
Ion	Ratio	Lower Upper
106	100	
91	188.1	162.5 243.7

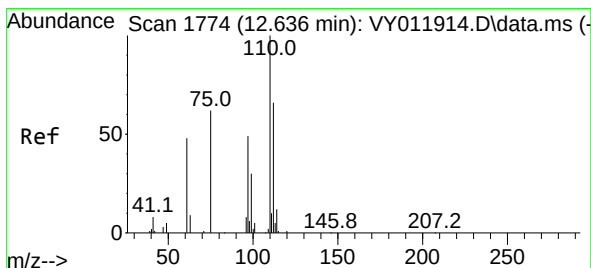
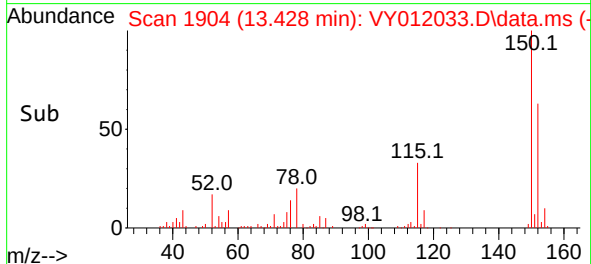
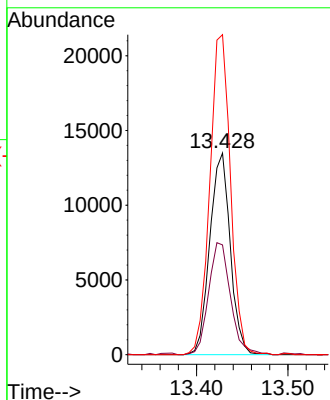
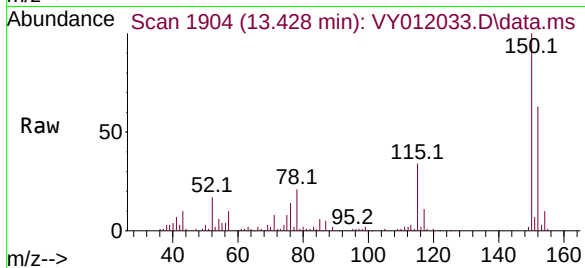




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

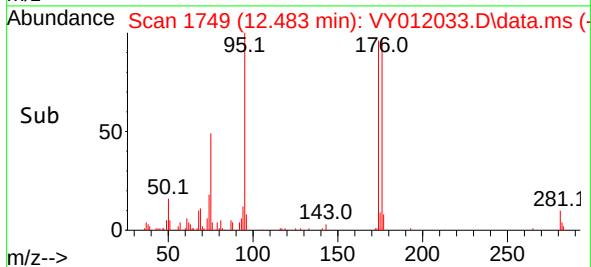
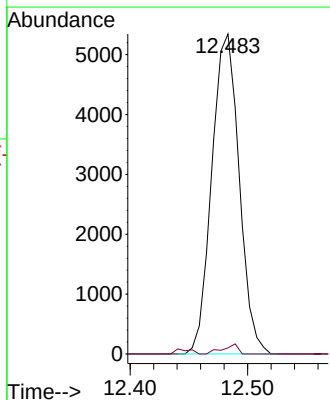
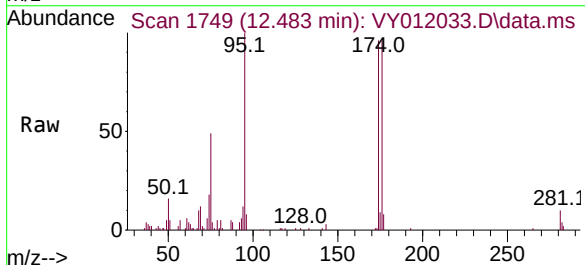
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

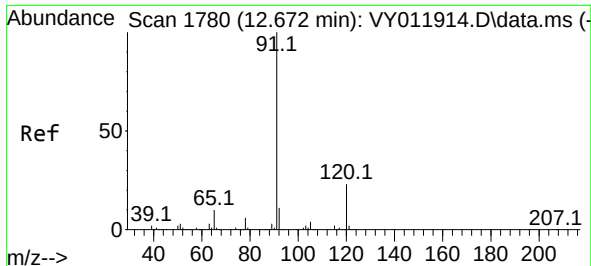
Tgt Ion:152 Resp: 20977
Ion Ratio Lower Upper
152 100
115 59.5 29.1 87.3
150 160.2 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 33.192 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 75 Resp: 8664
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

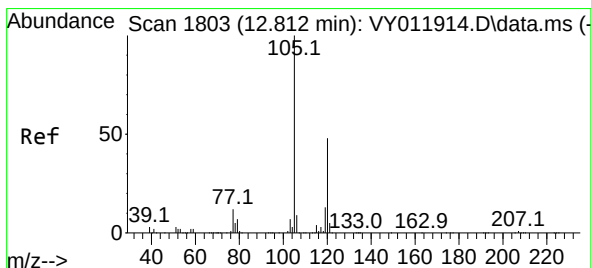
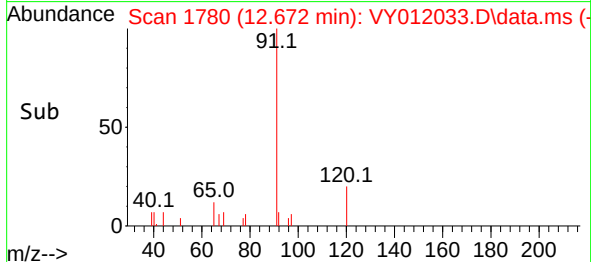
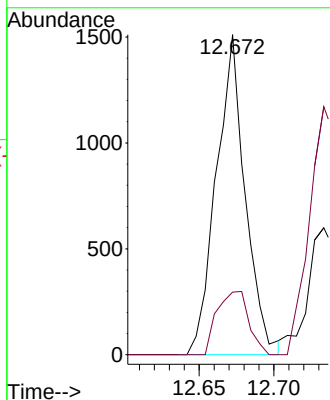
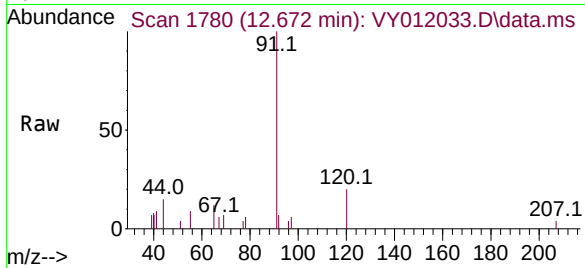




#78
n-propylbenzene
Concen: 1.089 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

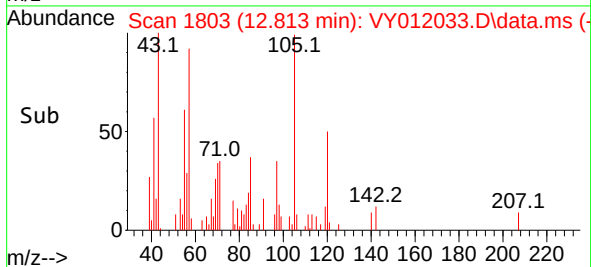
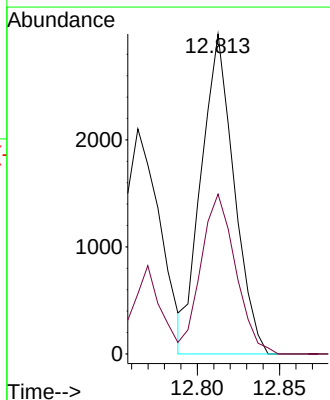
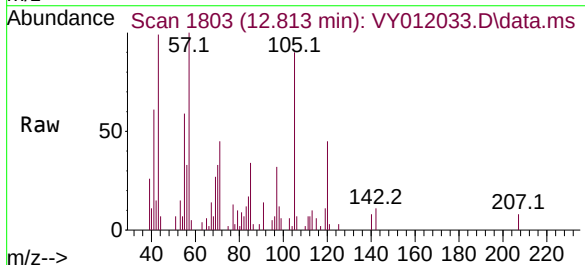
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

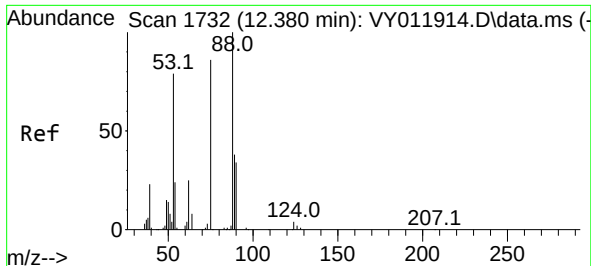
Tgt Ion: 91 Resp: 2037
Ion Ratio Lower Upper
91 100
120 21.6 11.8 35.4



#80
1,3,5-Trimethylbenzene
Concen: 3.102 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 105 Resp: 4134
Ion Ratio Lower Upper
105 100
120 52.8 24.2 72.6

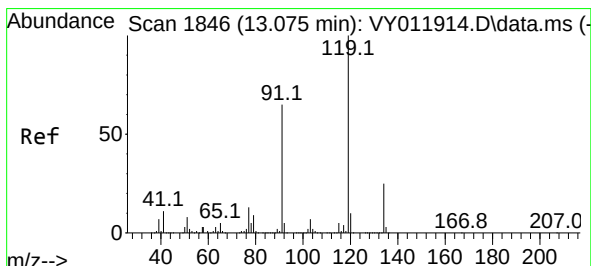
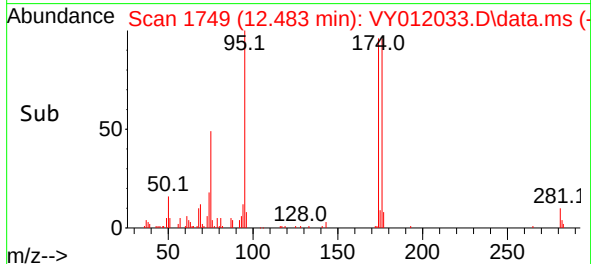
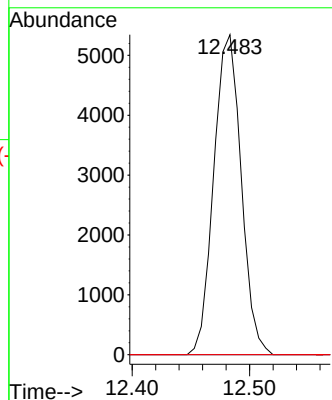
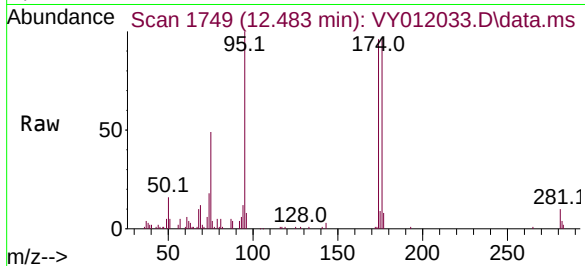




#81
trans-1,4-Dichloro-2-butene
Concen: 90.897 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

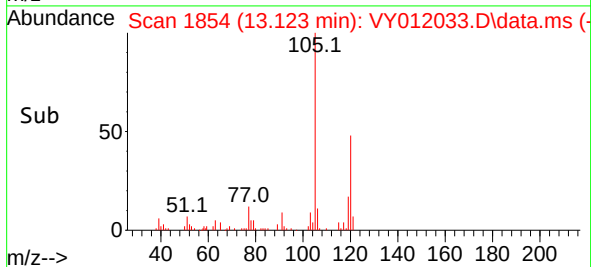
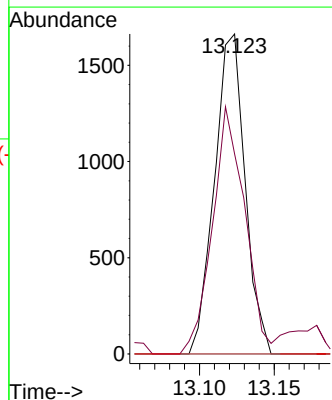
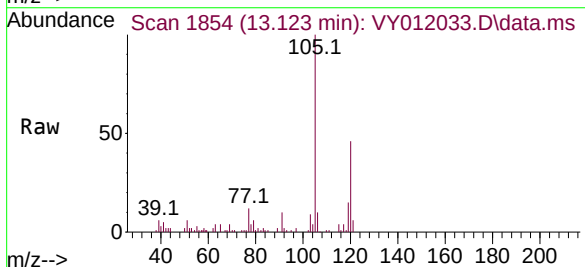
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

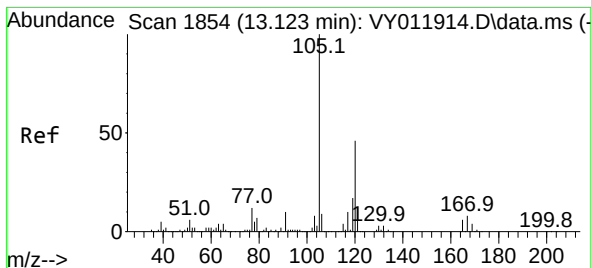
Tgt Ion: 75 Resp: 8664
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 2.096 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 119 Resp: 2367
Ion Ratio Lower Upper
119 100
91 81.6 32.3 96.8
134 0.0 13.0 39.0#





#84

1,2,4-Trimethylbenzene

Concen: 13.682 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

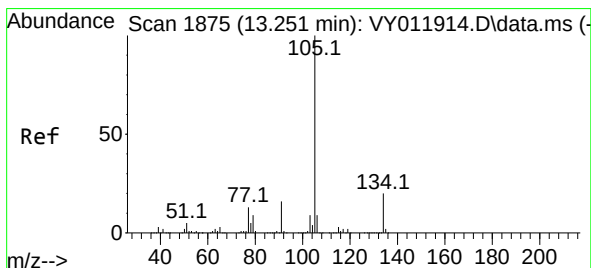
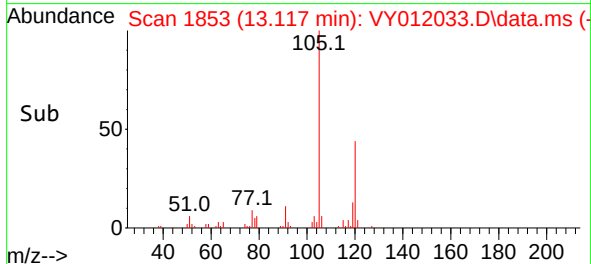
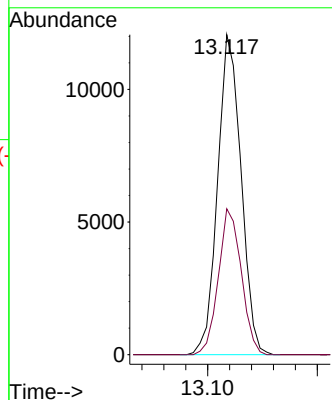
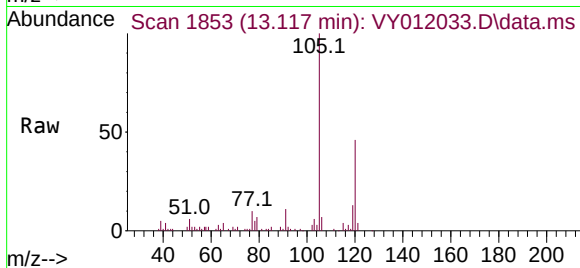
EO-03-122822

Tgt Ion:105 Resp: 17939

Ion Ratio Lower Upper

105 100

120 44.5 22.9 68.7



#85

sec-Butylbenzene

Concen: 1.360 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012033.D

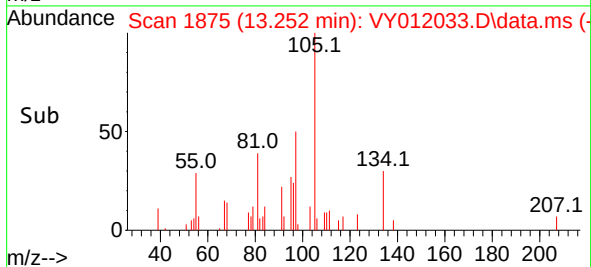
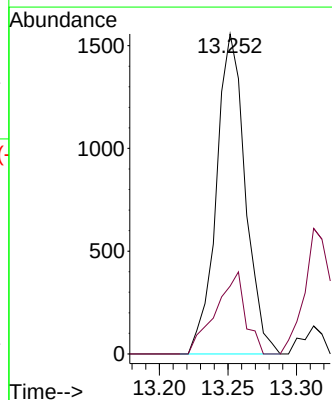
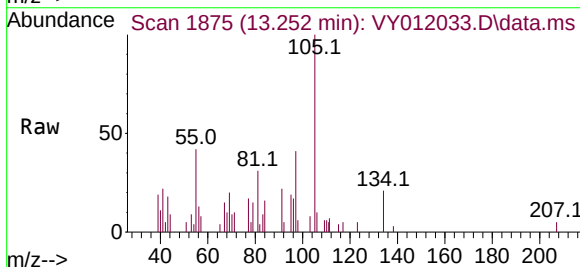
Acq: 29 Dec 2022 17:12

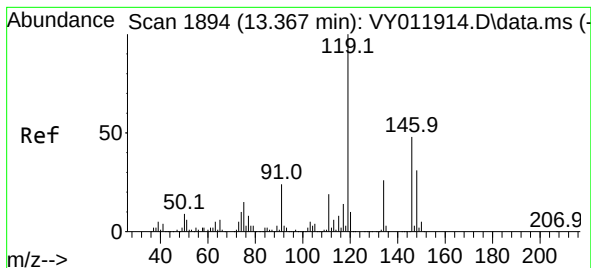
Tgt Ion:105 Resp: 2293

Ion Ratio Lower Upper

105 100

134 26.2 10.1 30.3





#86

p-Isopropyltoluene

Concen: 1.882 ug/l

RT: 13.319 min Scan# 119

Delta R.T. -0.049 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-122822

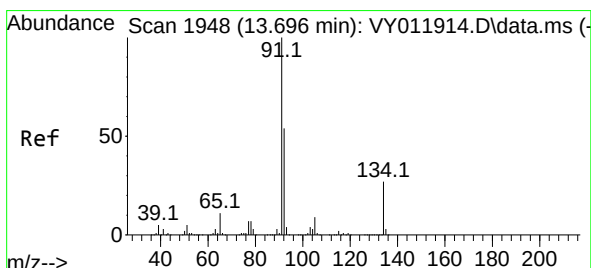
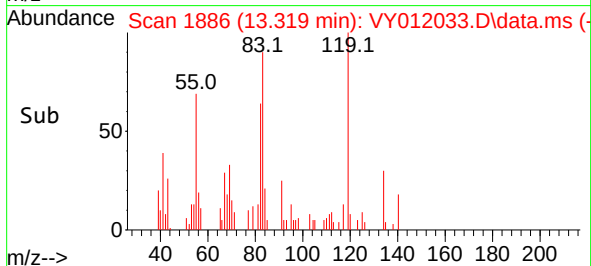
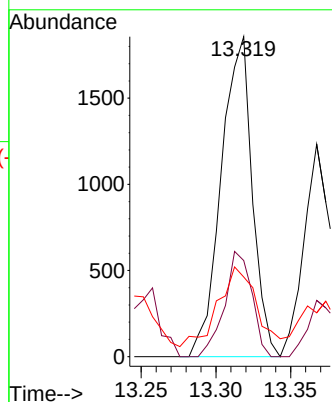
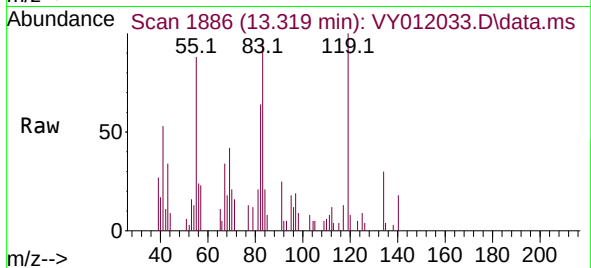
Tgt Ion:119 Resp: 2678

Ion Ratio Lower Upper

119 100

134 28.9 13.0 39.0

91 30.1 11.9 35.9



#89

n-Butylbenzene

Concen: 3.753 ug/l

RT: 13.697 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY012033.D

Acq: 29 Dec 2022 17:12

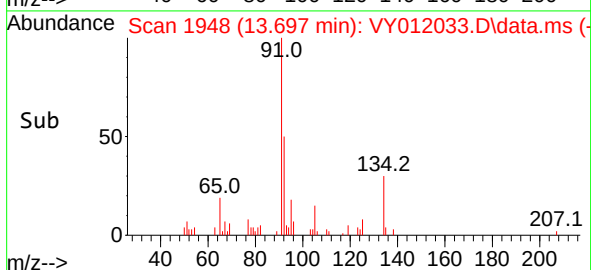
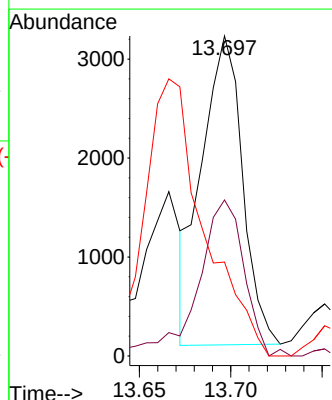
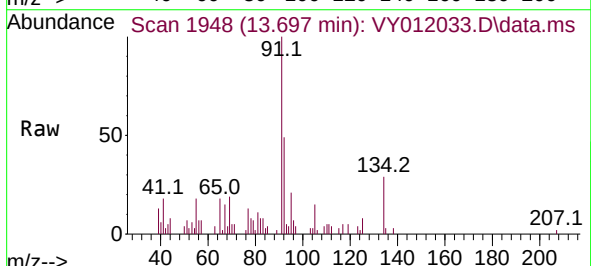
Tgt Ion: 91 Resp: 4835

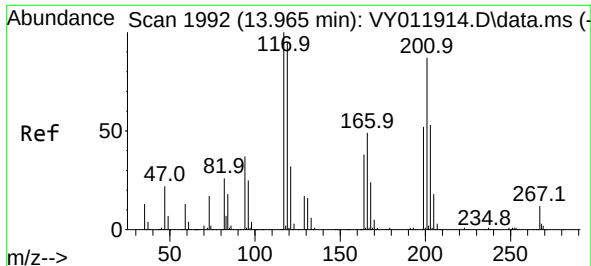
Ion Ratio Lower Upper

91 100

92 56.4 26.8 80.4

134 0.0 13.3 39.8#

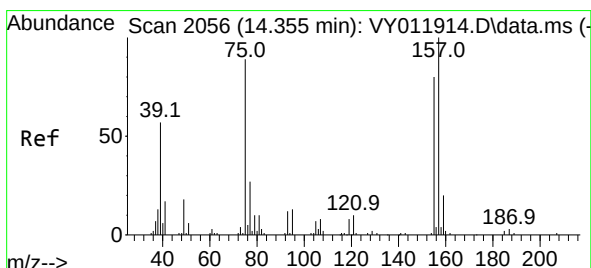
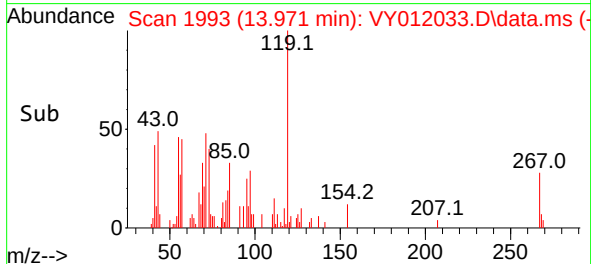
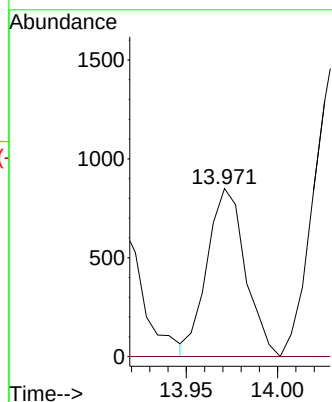
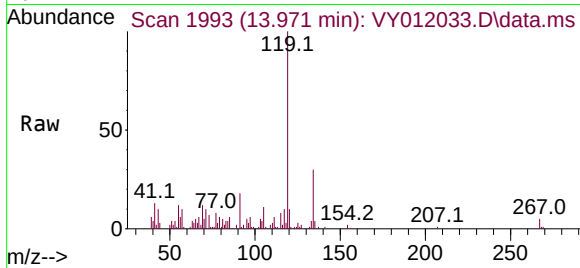




#90
Hexachloroethane
Concen: 4.563 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

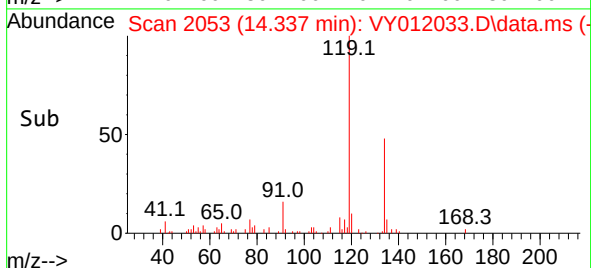
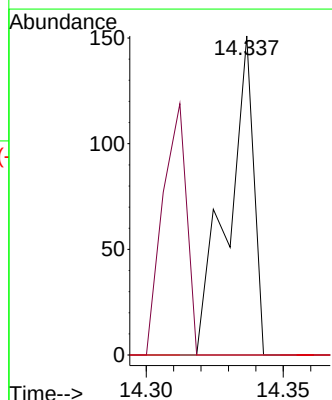
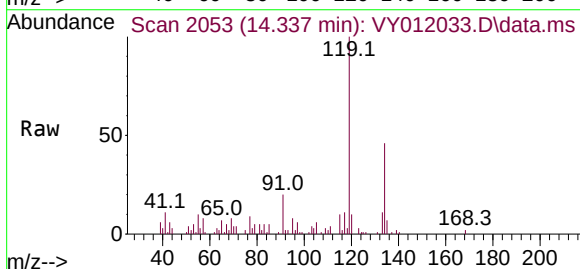
Instrument :
MSVOA_Y
ClientSampleId :
EO-03-122822

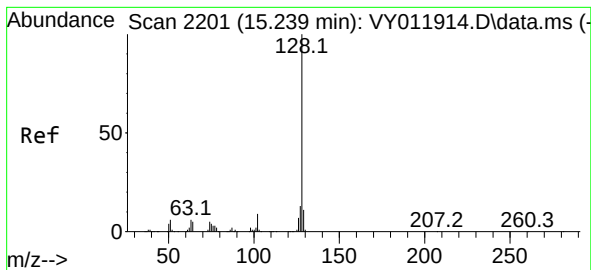
Tgt Ion:117 Resp: 1239
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.218 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.018 min
Lab File: VY012033.D
Acq: 29 Dec 2022 17:12

Tgt Ion: 75 Resp: 99
Ion Ratio Lower Upper
75 100
155 0.0 42.3 126.8#
157 0.0 54.4 163.3#





#95

Naphthalene

Concen: 51.964 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY012033.D

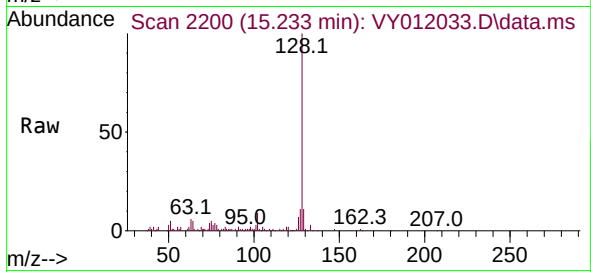
Acq: 29 Dec 2022 17:12

Instrument :

MSVOA_Y

ClientSampleId :

EO-03-122822



Tgt Ion:128 Resp: 40234

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 11.3 8.8 13.2

