

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032321\
 Data File : VY004170.D
 Acq On : 23 Mar 2021 11:52
 Operator : SY/MD
 Sample : M1768-01
 Misc : 9.14g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-032221

Quant Time: Mar 24 01:18:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

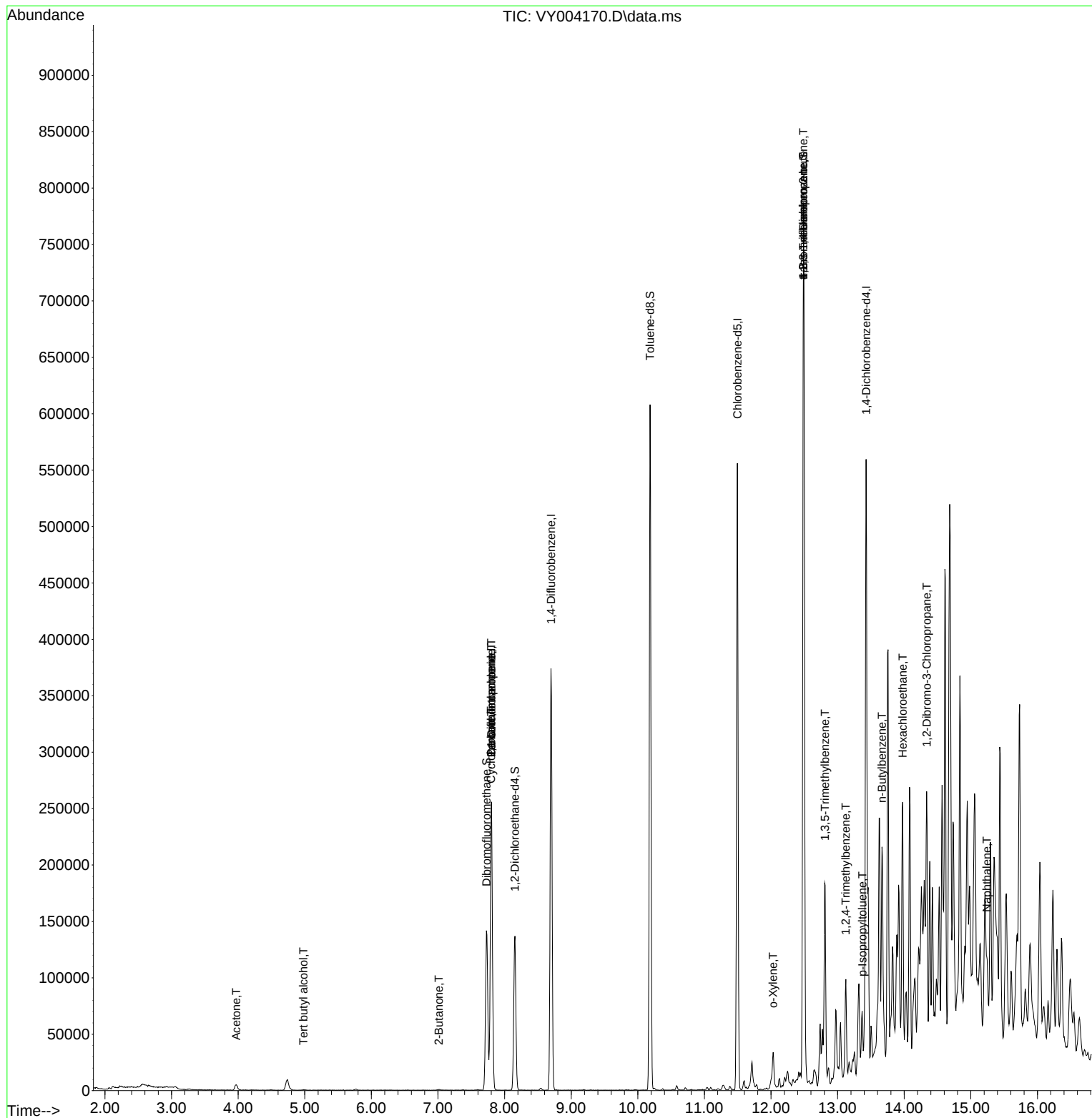
Internal Standards						
1) Pentafluorobenzene	7.801	168	199370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	327333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	293748	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	131743	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	107845	54.81	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.62%			
35) Dibromofluoromethane	7.728	113	99182	53.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.46%			
50) Toluene-d8	10.185	98	385267	53.24	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.48%			
62) 4-Bromofluorobenzene	12.483	95	130387	48.79	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.58%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	35	Below Cal	#	41
3) Chloromethane	2.119	50	1275	Below Cal		95
11) Tert butyl alcohol	4.978	59	522	2.93 ug/l	#	76
16) Acetone	3.972	43	9150	19.27 ug/l		100
20) Methylene Chloride	4.741	84	7411	Below Cal		85
25) 2-Butanone	7.015	43	1143	1.67 ug/l	#	90
31) Cyclohexane	7.795	56	4040	1.17 ug/l	#	33
36) 1,1-Dichloropropene	7.801	75	14836	5.16 ug/l	#	50
38) Carbon Tetrachloride	7.801	117	19606	6.43 ug/l	#	17
69) o-Xylene	12.032	106	7856	2.11 ug/l		93
76) 1,2,3-Trichloropropane	12.483	75	72771	57.61 ug/l	#	100
80) 1,3,5-Trimethylbenzene	12.812	105	35484	4.57 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.483	75	72771	113.69 ug/l	#	14
84) 1,2,4-Trimethylbenzene	13.123	105	45025	5.79 ug/l		99
86) p-Isopropyltoluene	13.373	119	12023	1.41 ug/l		96
89) n-Butylbenzene	13.666	91	11069	1.36 ug/l	#	1
90) Hexachloroethane	13.977	117	9425	6.14 ug/l	#	4
92) 1,2-Dibromo-3-Chloropr...	14.336	75	786	2.62 ug/l	#	4
95) Naphthalene	15.239	128	25216	5.18 ug/l	#	86

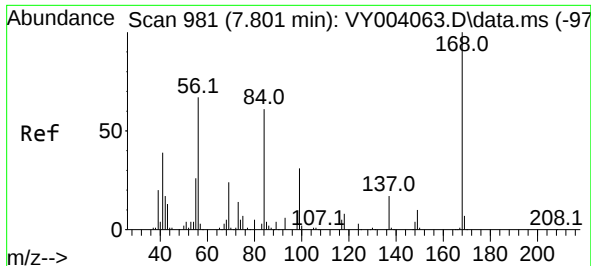
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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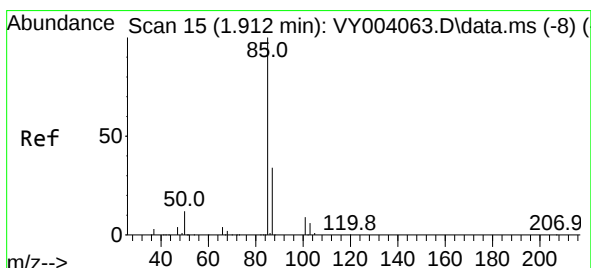
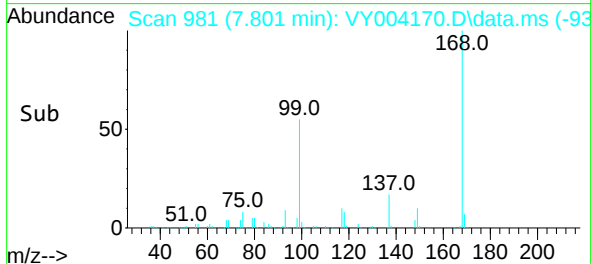
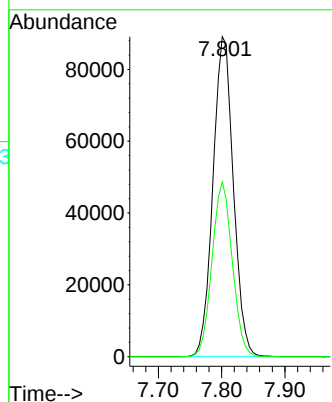
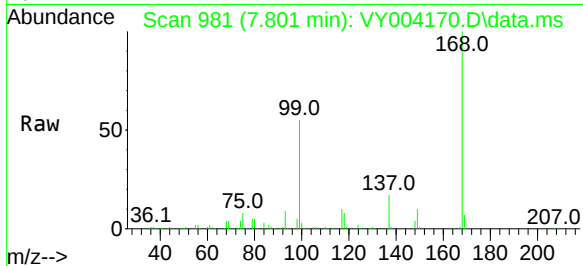




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

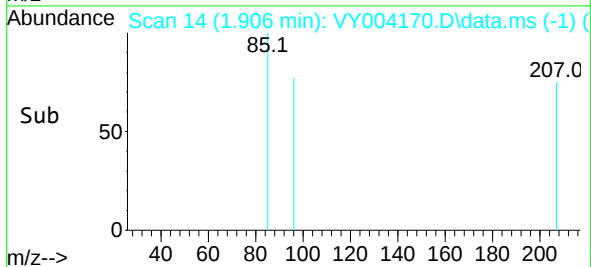
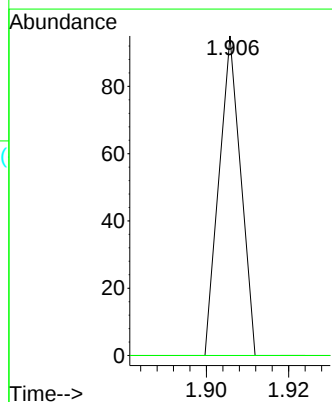
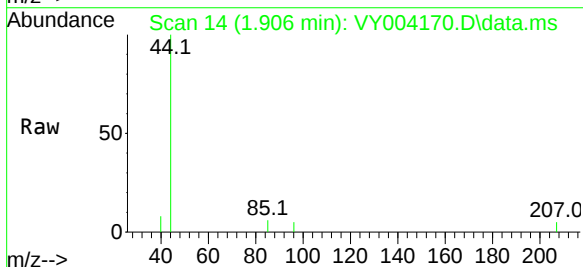
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

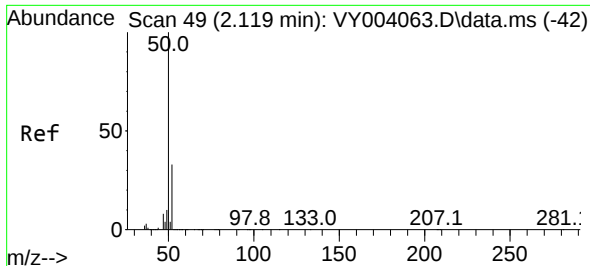
Tgt Ion:168 Resp: 199370
Ion Ratio Lower Upper
168 100
99 54.6 41.2 61.8



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.006 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 85 Resp: 35
Ion Ratio Lower Upper
85 100
87 0.0 17.0 51.0#

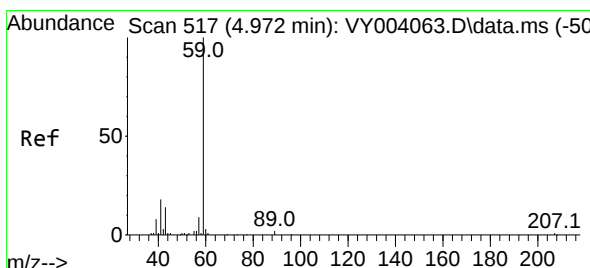
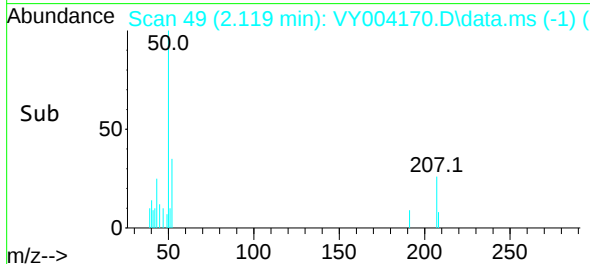
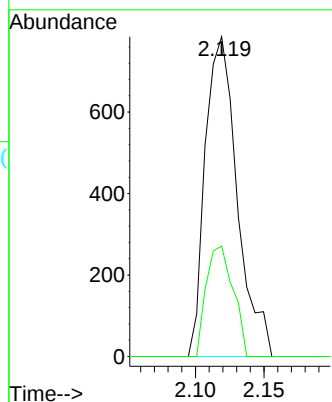
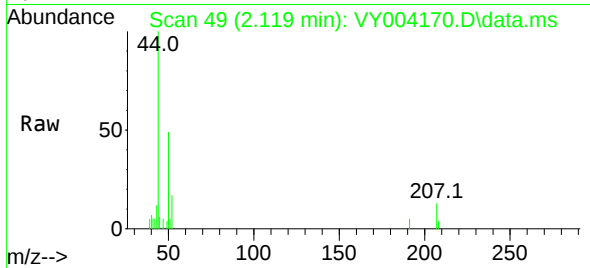




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

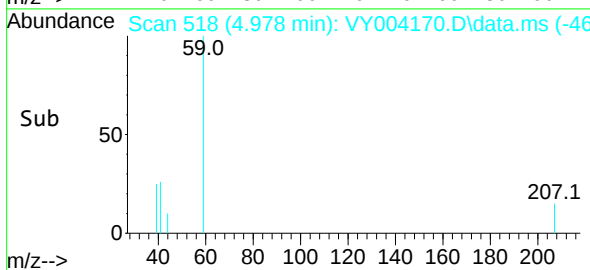
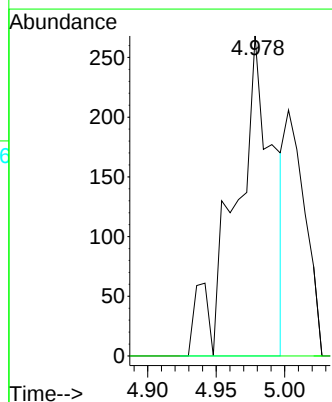
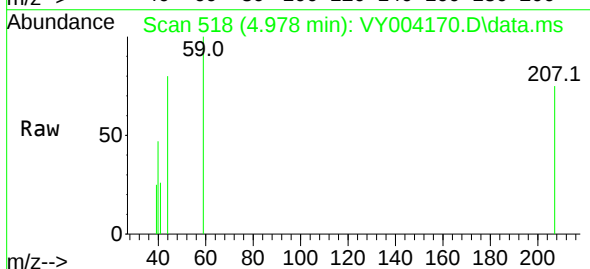
Instrument :
MSVOA_Y
ClientSampleId :
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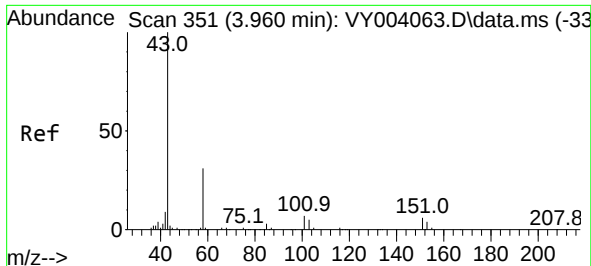
Tgt Ion: 50 Resp: 1275
Ion Ratio Lower Upper
50 100
52 34.5 25.4 38.2



#11
Tert butyl alcohol
Concen: 2.93 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 59 Resp: 522
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

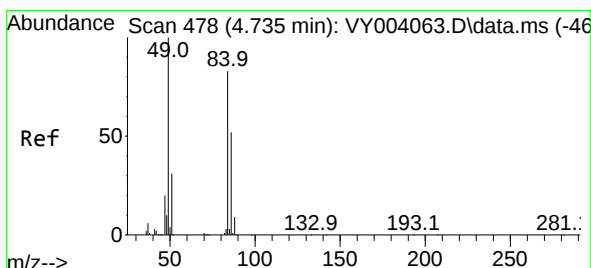
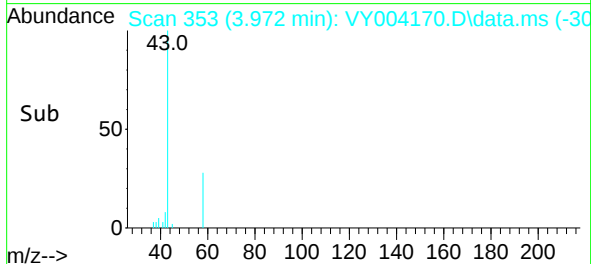
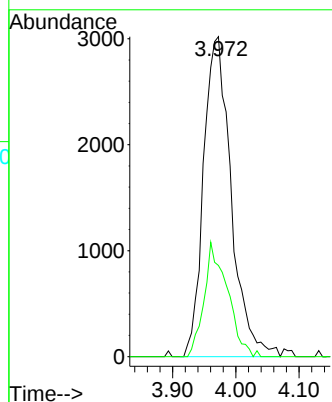
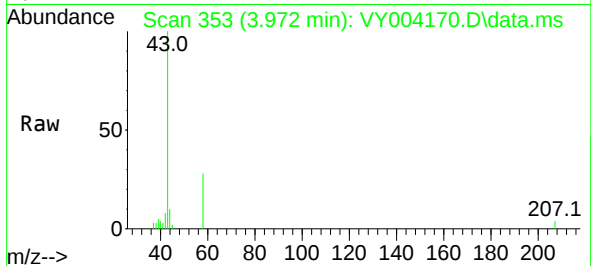




#16
Acetone
Concen: 19.27 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

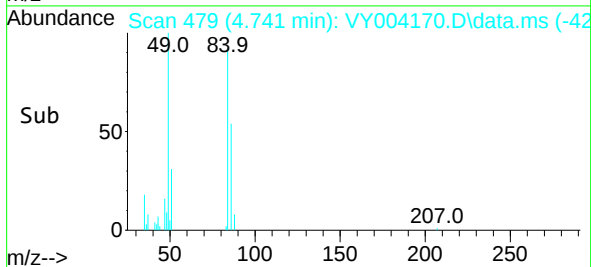
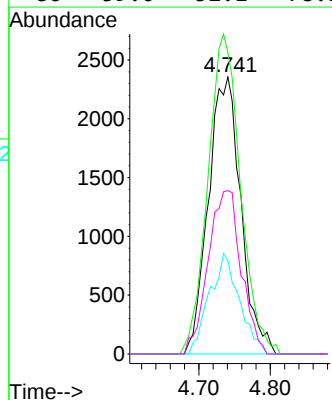
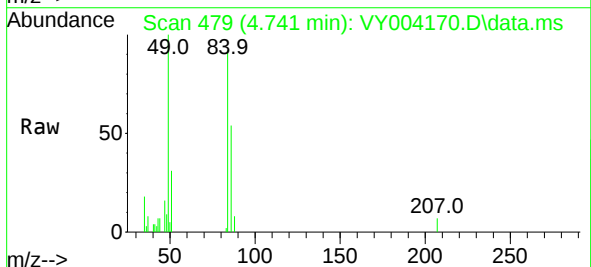
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

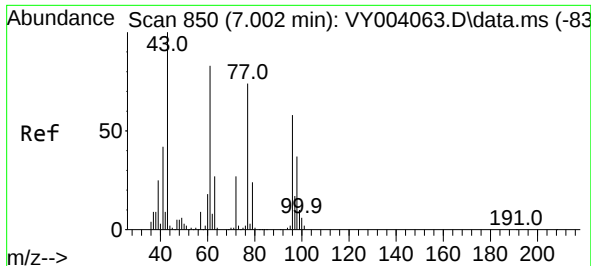
Tgt Ion: 43 Resp: 9150
Ion Ratio Lower Upper
43 100
58 28.5 22.6 34.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.741 min Scan# 479
Delta R.T. 0.006 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

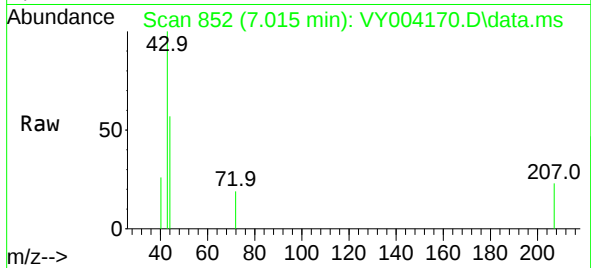
Tgt Ion: 84 Resp: 7411
Ion Ratio Lower Upper
84 100
49 108.9 105.8 158.6
51 33.7 32.6 48.8
86 59.0 52.1 78.1



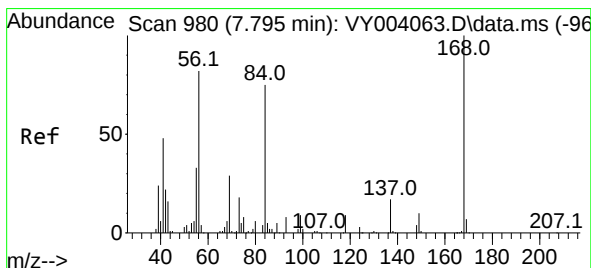
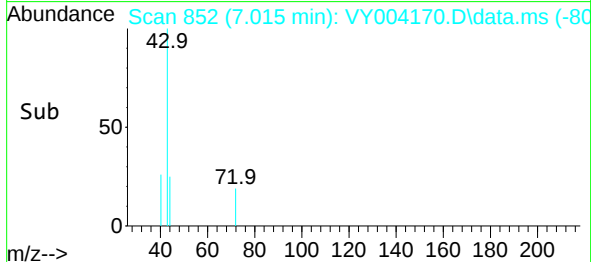
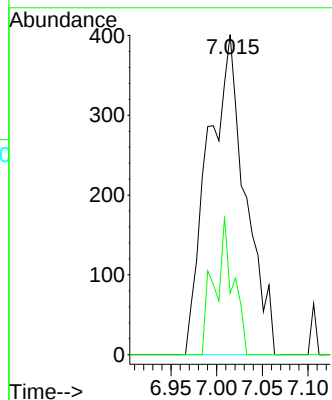


#25
2-Butanone
Concen: 1.67 ug/l
RT: 7.015 min Scan# 852
Delta R.T. 0.013 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

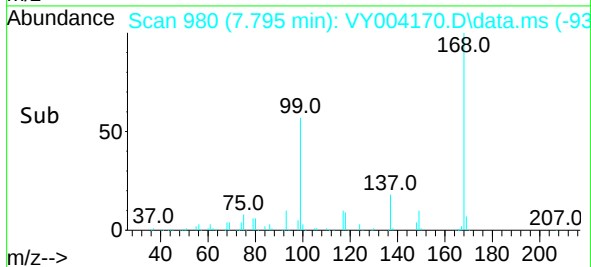
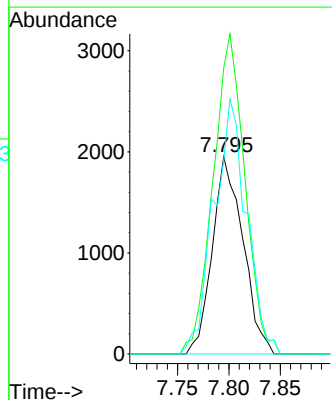
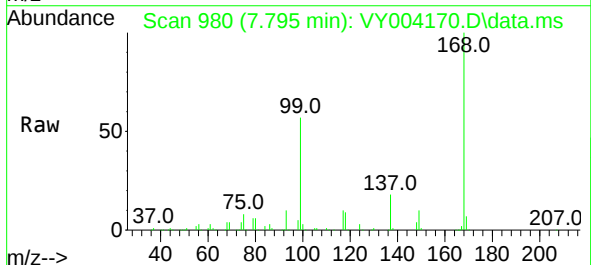


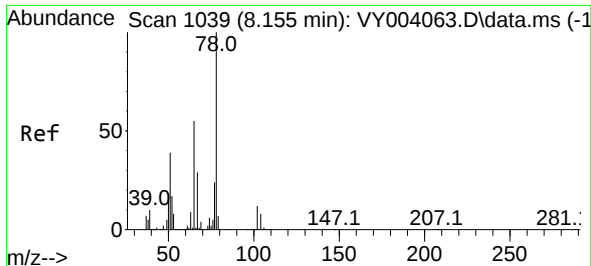
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
72 19.2 19.4 29.0#



#31
Cyclohexane
Concen: 1.17 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 56 Resp: 4040
Ion Ratio Lower Upper
56 100
69 145.0 25.3 37.9#
84 98.1 67.3 100.9

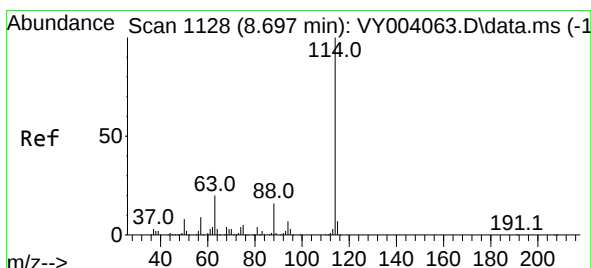
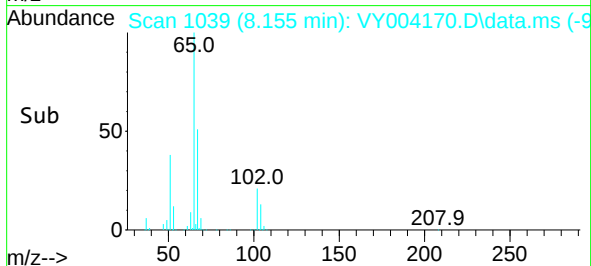
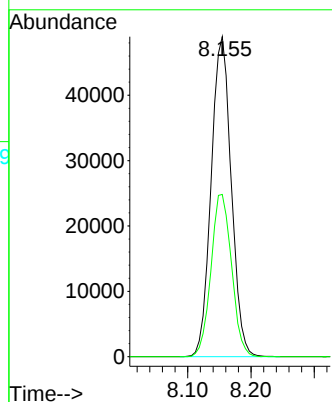
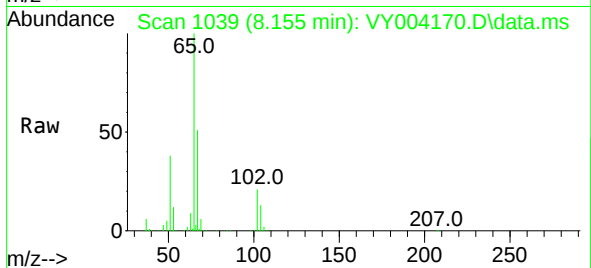




#33
1,2-Dichloroethane-d4
Concen: 54.81 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

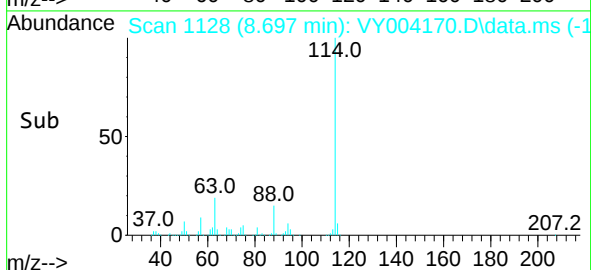
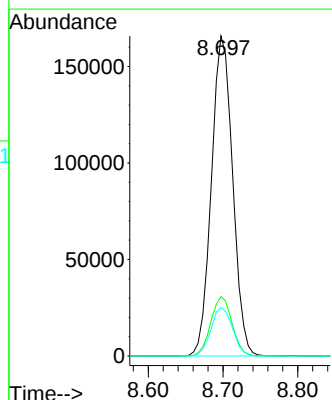
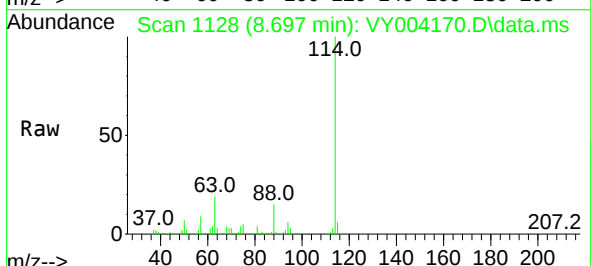
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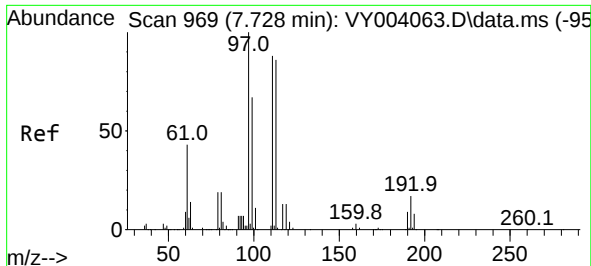
Tgt Ion: 65 Resp: 107845
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 114 Resp: 327333
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.6
88 15.1 0.0 31.4

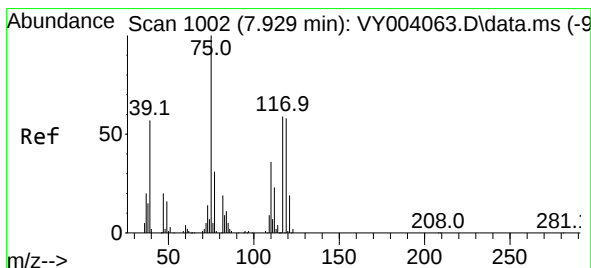
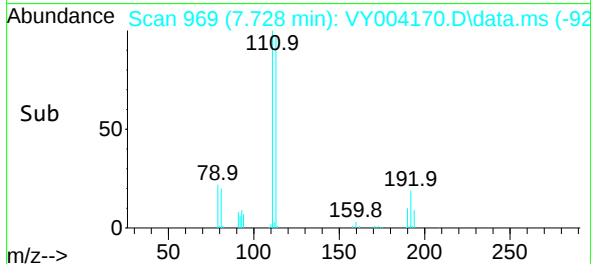
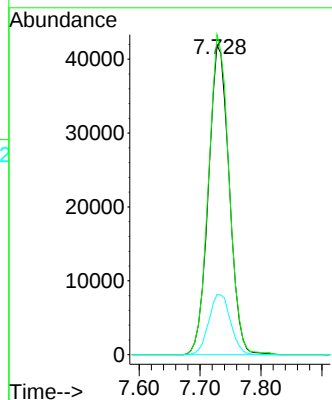
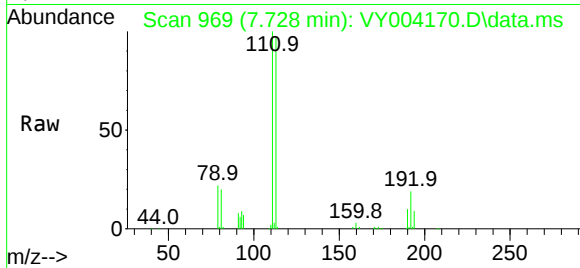




#35
Dibromofluoromethane
Concen: 53.73 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

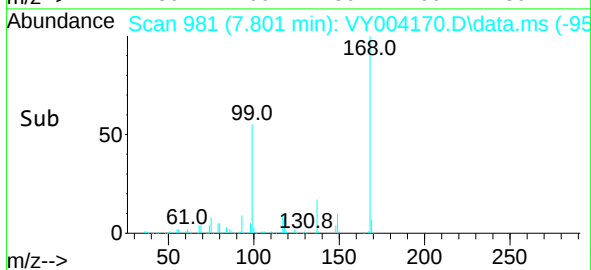
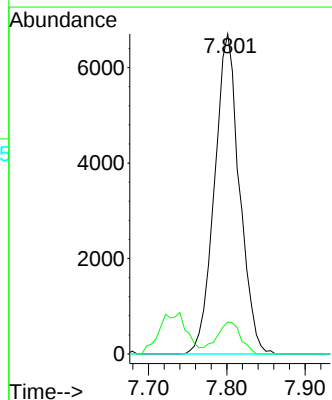
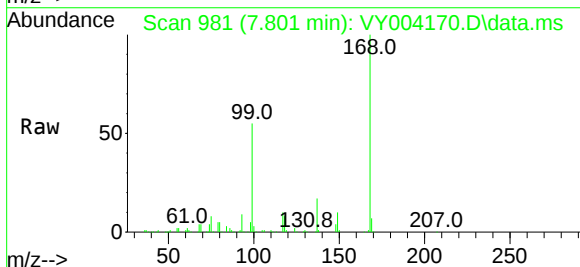
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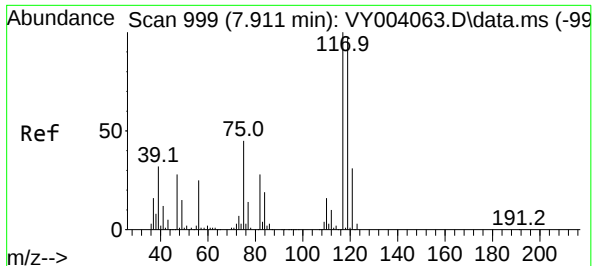
Tgt Ion:113 Resp: 99182
Ion Ratio Lower Upper
113 100
111 102.5 83.2 124.8
192 20.3 18.5 27.7



#36
1,1-Dichloropropene
Concen: 5.16 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

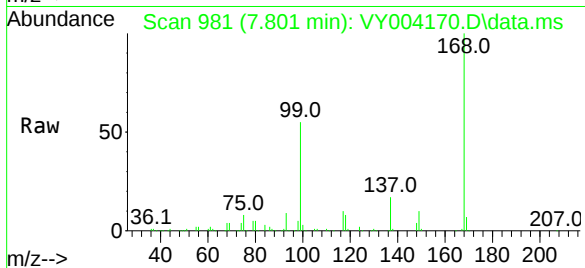
Tgt Ion: 75 Resp: 14836
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.5 36.7#



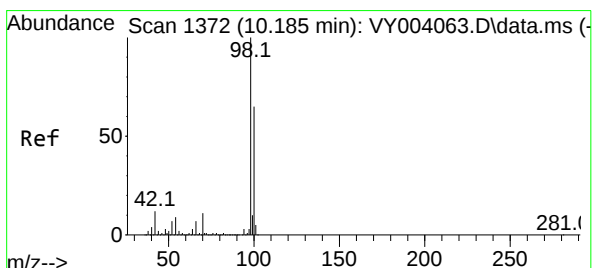
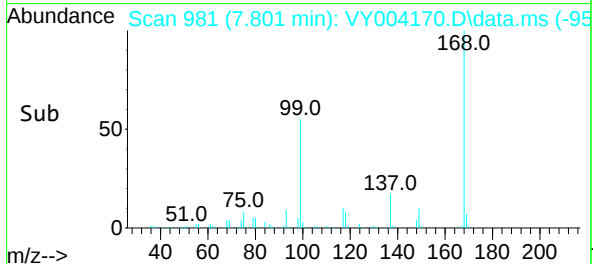
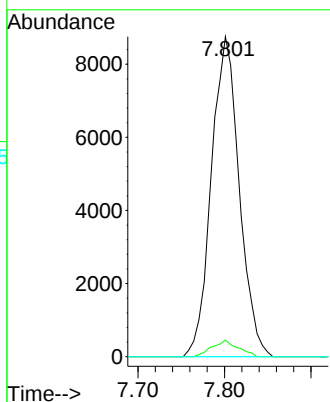


#38
Carbon Tetrachloride
Concen: 6.43 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

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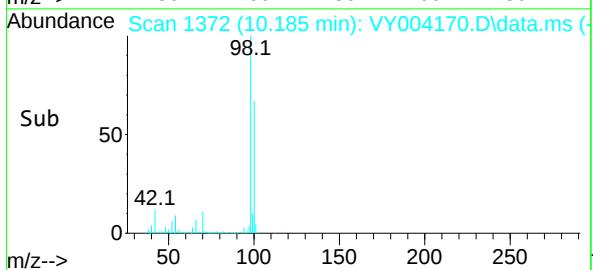
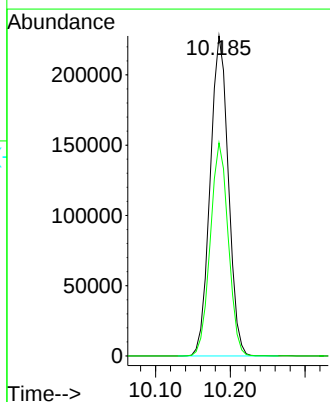
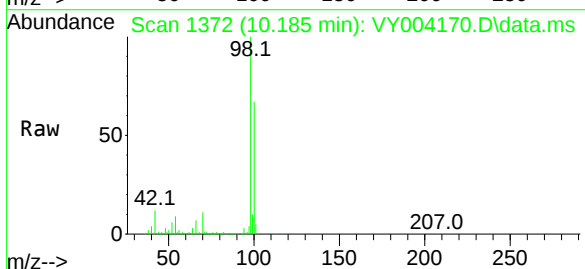


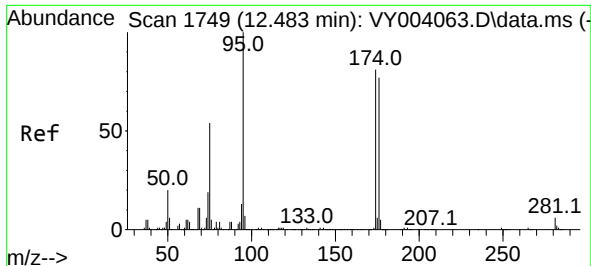
Tgt Ion: 117 Resp: 19606
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 53.24 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 98 Resp: 385267
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6

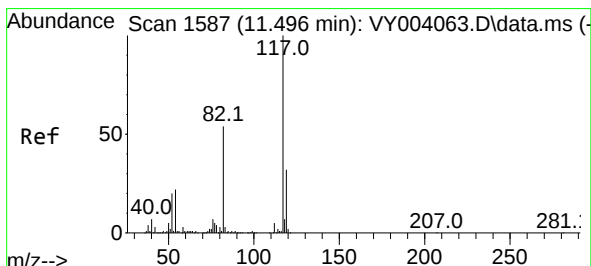
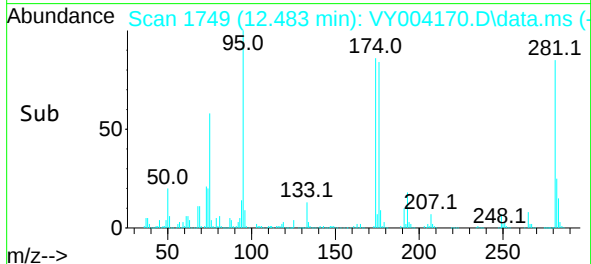
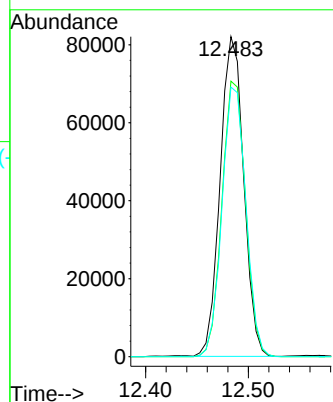
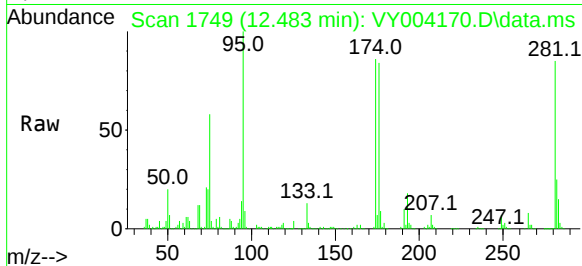




#62
4-Bromofluorobenzene
Concen: 48.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

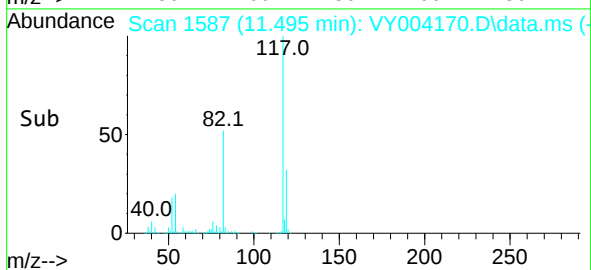
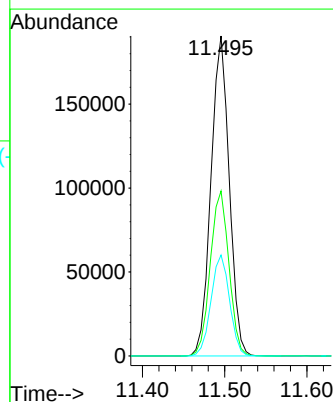
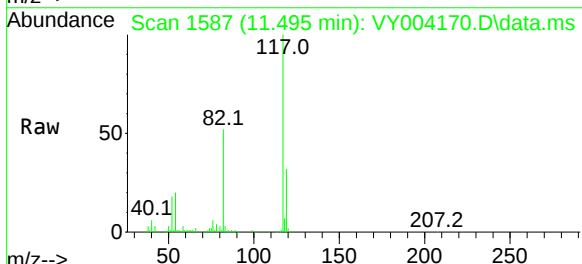
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

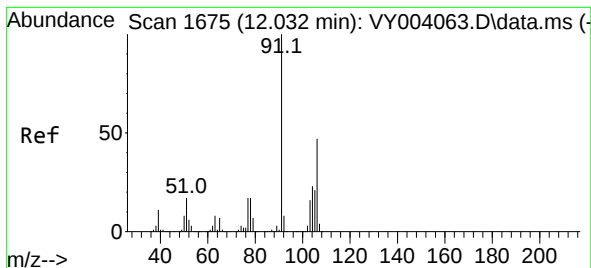
Tgt Ion: 95 Resp: 130387
Ion Ratio Lower Upper
95 100
174 86.4 0.0 179.0
176 85.6 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 117 Resp: 293748
Ion Ratio Lower Upper
117 100
82 51.5 43.8 65.6
119 31.5 26.2 39.2

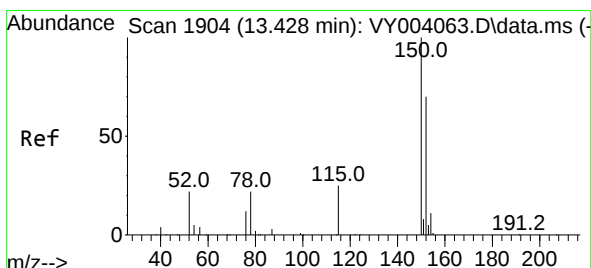
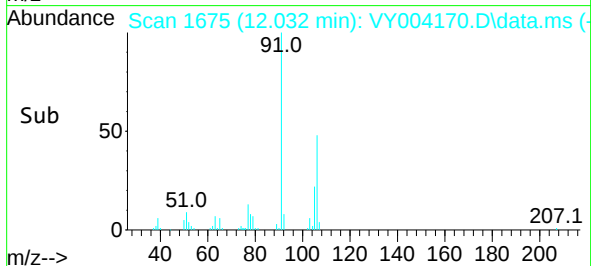
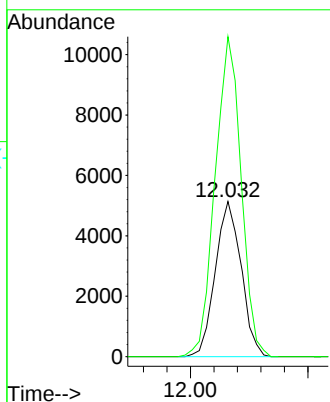
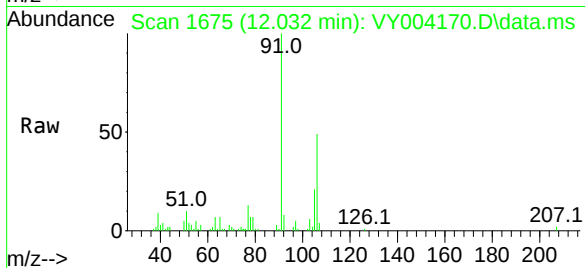




#69
o-Xylene
Concen: 2.11 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

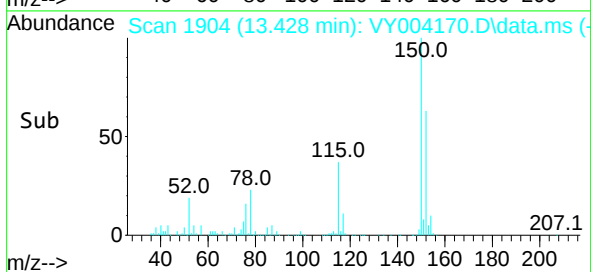
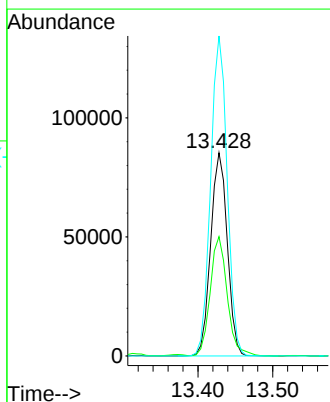
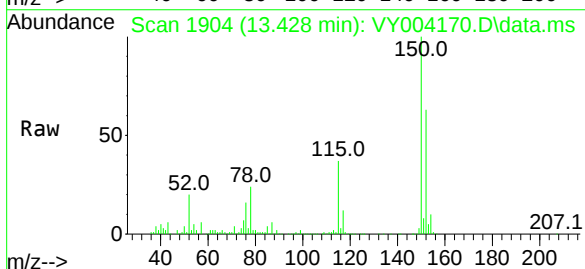
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

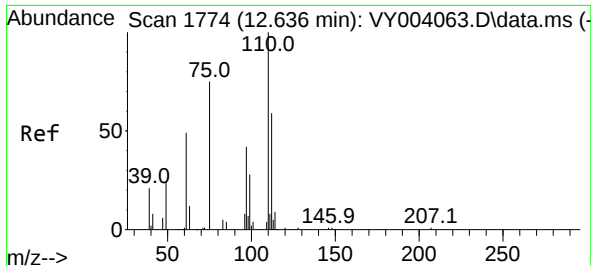
Tgt Ion:106 Resp: 7856
Ion Ratio Lower Upper
106 100
91 207.1 108.9 326.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion:152 Resp: 131743
Ion Ratio Lower Upper
152 100
115 60.3 28.2 84.6
150 156.1 0.0 347.2

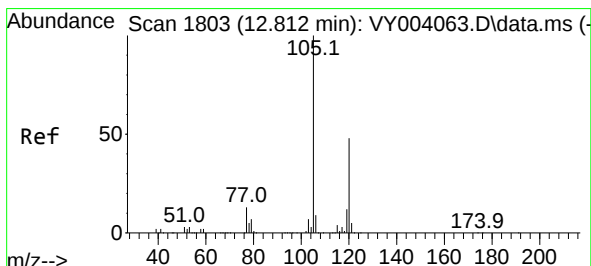
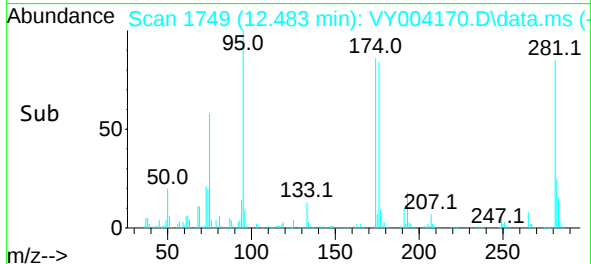
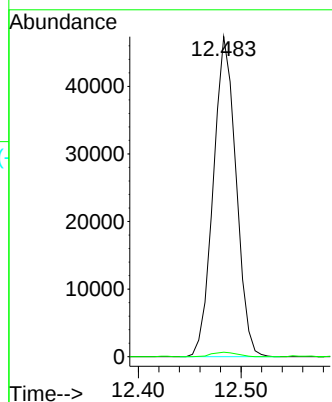
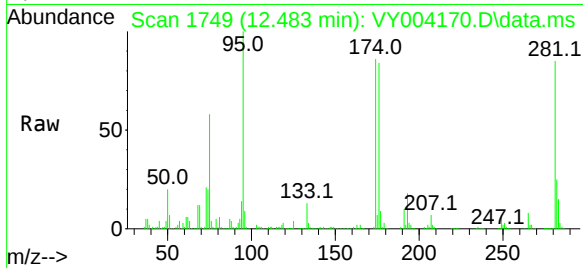




#76
1,2,3-Trichloropropane
Concen: 57.61 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

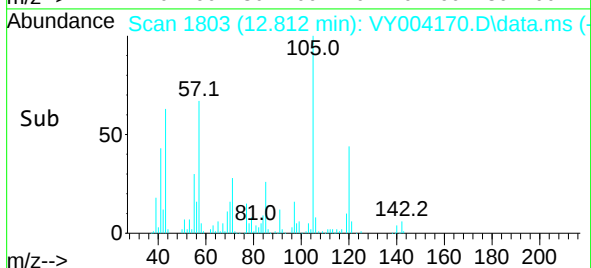
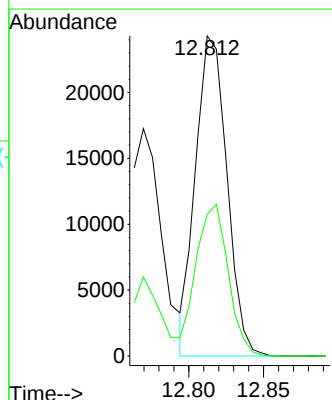
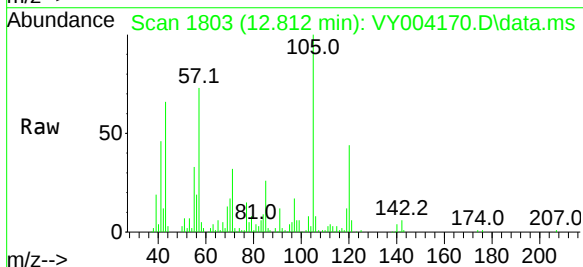
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

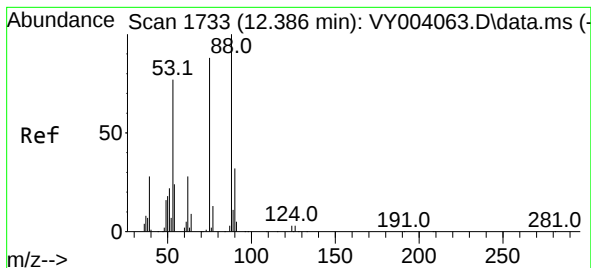
Tgt Ion: 75 Resp: 72771
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 4.57 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

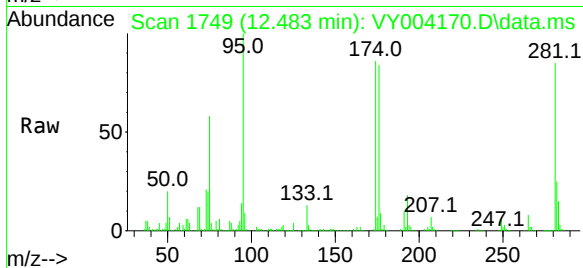
Tgt Ion:105 Resp: 35484
Ion Ratio Lower Upper
105 100
120 48.4 24.1 72.2



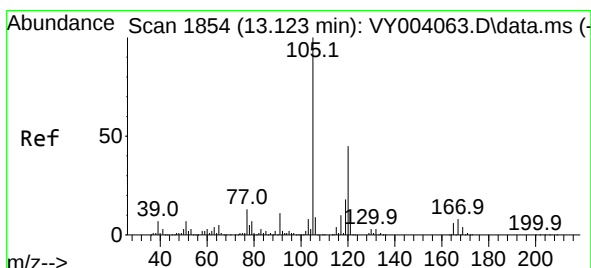
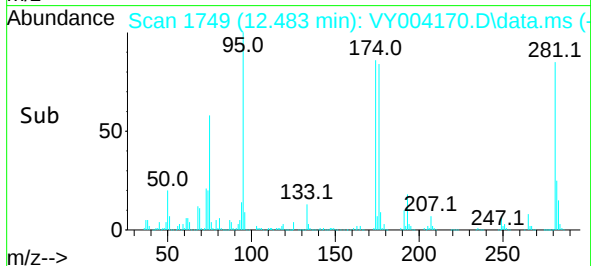
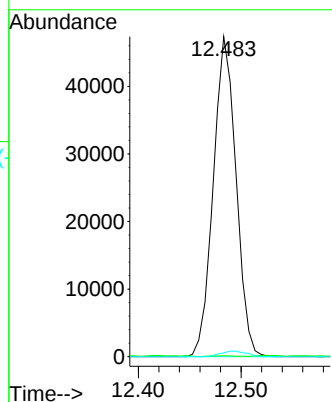


#81
trans-1,4-Dichloro-2-butene
Concen: 113.69 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

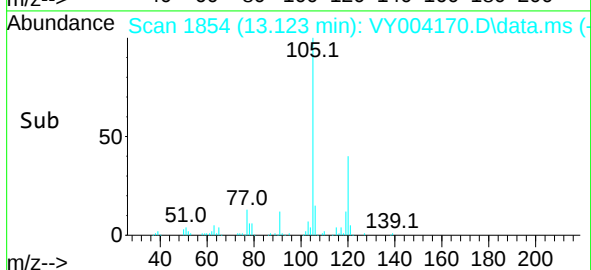
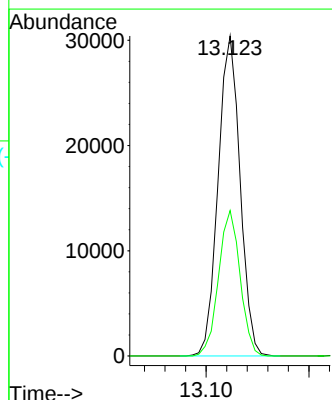
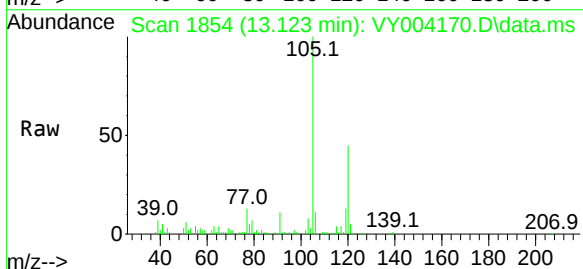


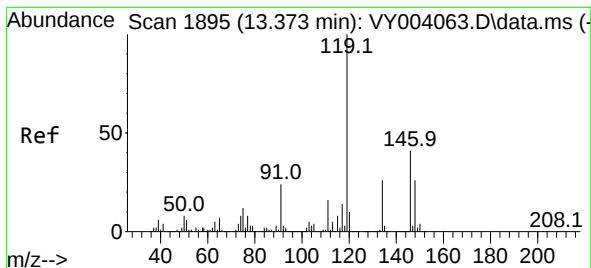
Tgt Ion: 75 Resp: 72771
Ion Ratio Lower Upper
75 100
53 0.4 73.5 110.3#
89 1.9 35.7 53.5#



#84
1,2,4-Trimethylbenzene
Concen: 5.79 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 105 Resp: 45025
Ion Ratio Lower Upper
105 100
120 44.6 22.1 66.3

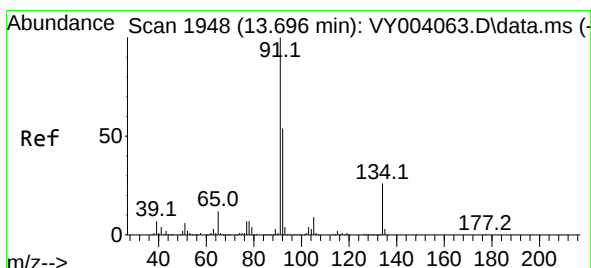
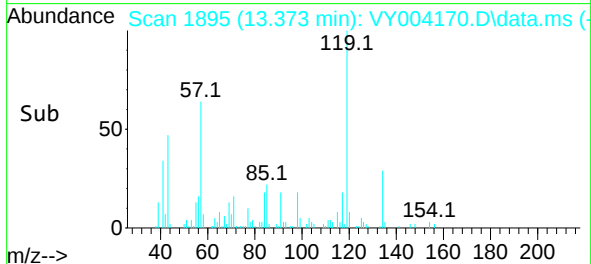
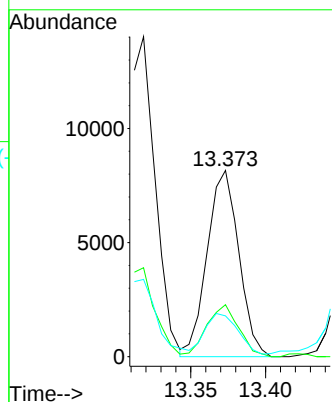
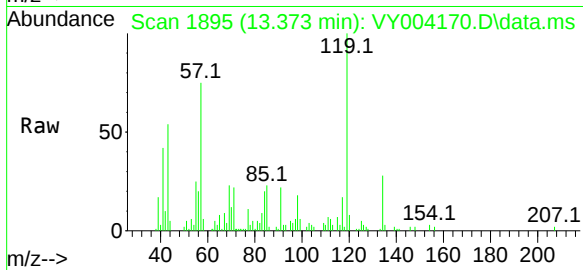




#86
p-Isopropyltoluene
Concen: 1.41 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

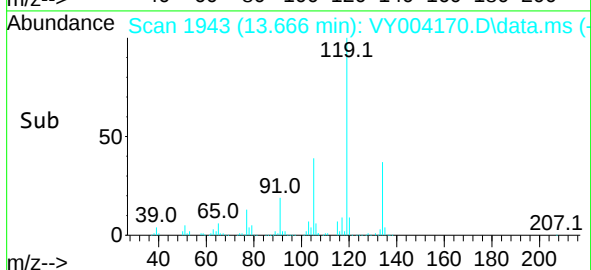
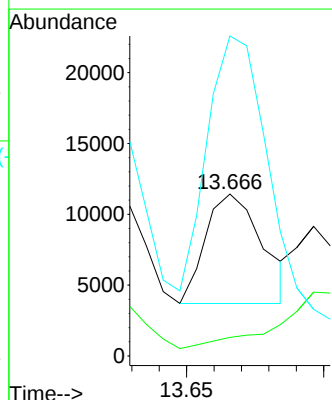
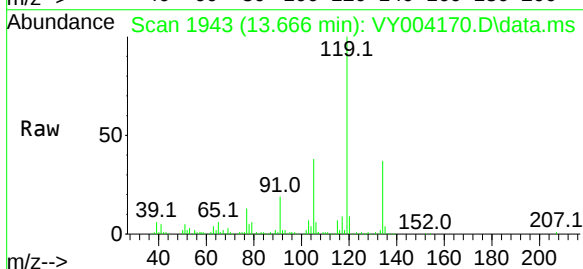
Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

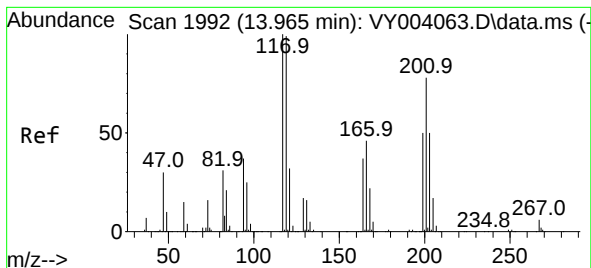
Tgt Ion:	119	Resp:	12023
Ion	Ratio	Lower	Upper
119	100		
134	28.2	13.2	39.5
91	22.3	12.1	36.3



#89
n-Butylbenzene
Concen: 1.36 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.030 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion:	91	Resp:	11069
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.5	79.4#
134	362.7	13.2	39.5#

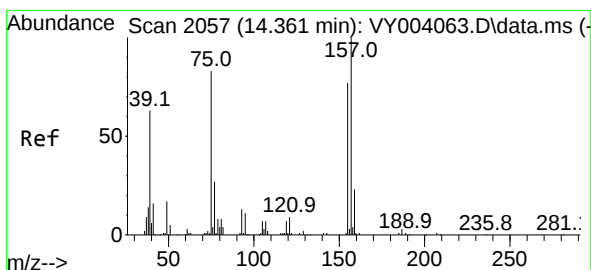
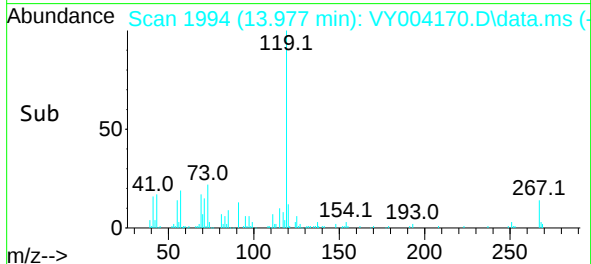
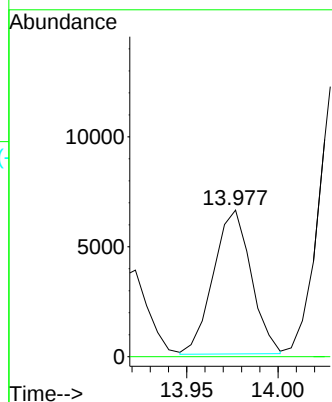
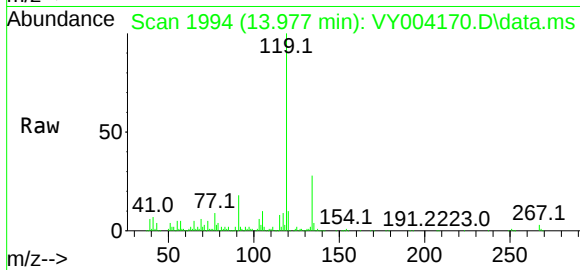




#90
Hexachloroethane
Concen: 6.14 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

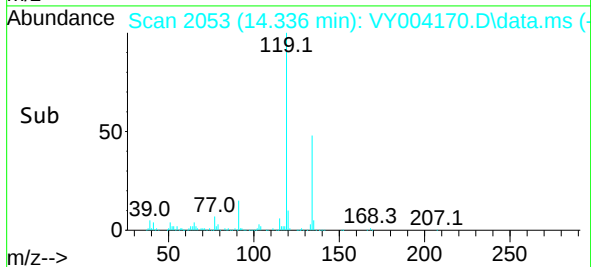
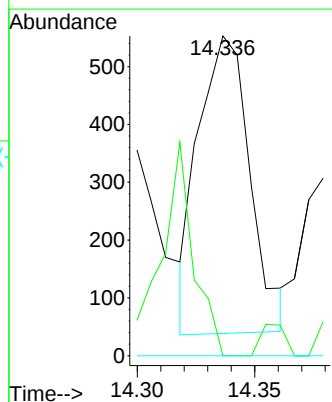
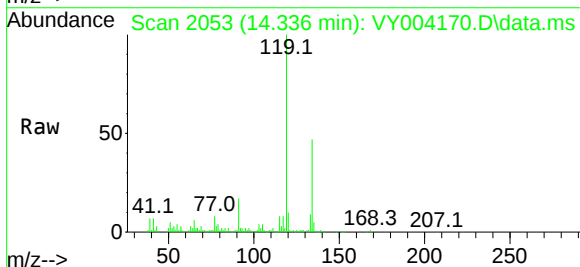
Instrument :
MSVOA_Y
ClientSampled :
EO-02-032221

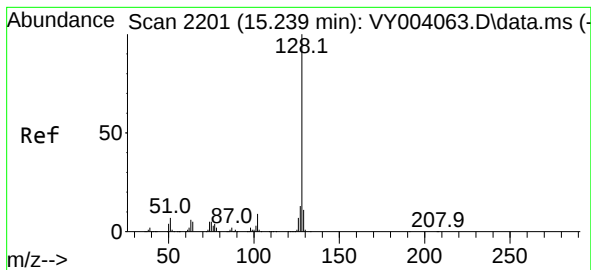
Tgt Ion:117 Resp: 9425
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.62 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.025 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Tgt Ion: 75 Resp: 786
Ion Ratio Lower Upper
75 100
155 5.0 42.8 128.4#
157 0.0 52.4 157.3#





#95
Naphthalene
Concen: 5.18 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004170.D
Acq: 23 Mar 2021 11:52

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-032221

Tgt Ion:128 Resp: 25216
Ion Ratio Lower Upper
128 100
127 18.2 10.6 16.0#
129 17.4 8.7 13.1#

