

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
 Data File : VY008330.D
 Acq On : 14 Apr 2022 16:13
 Operator : KP/MD
 Sample : N2423-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D2460-D2462

Quant Time: Apr 15 06:15:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

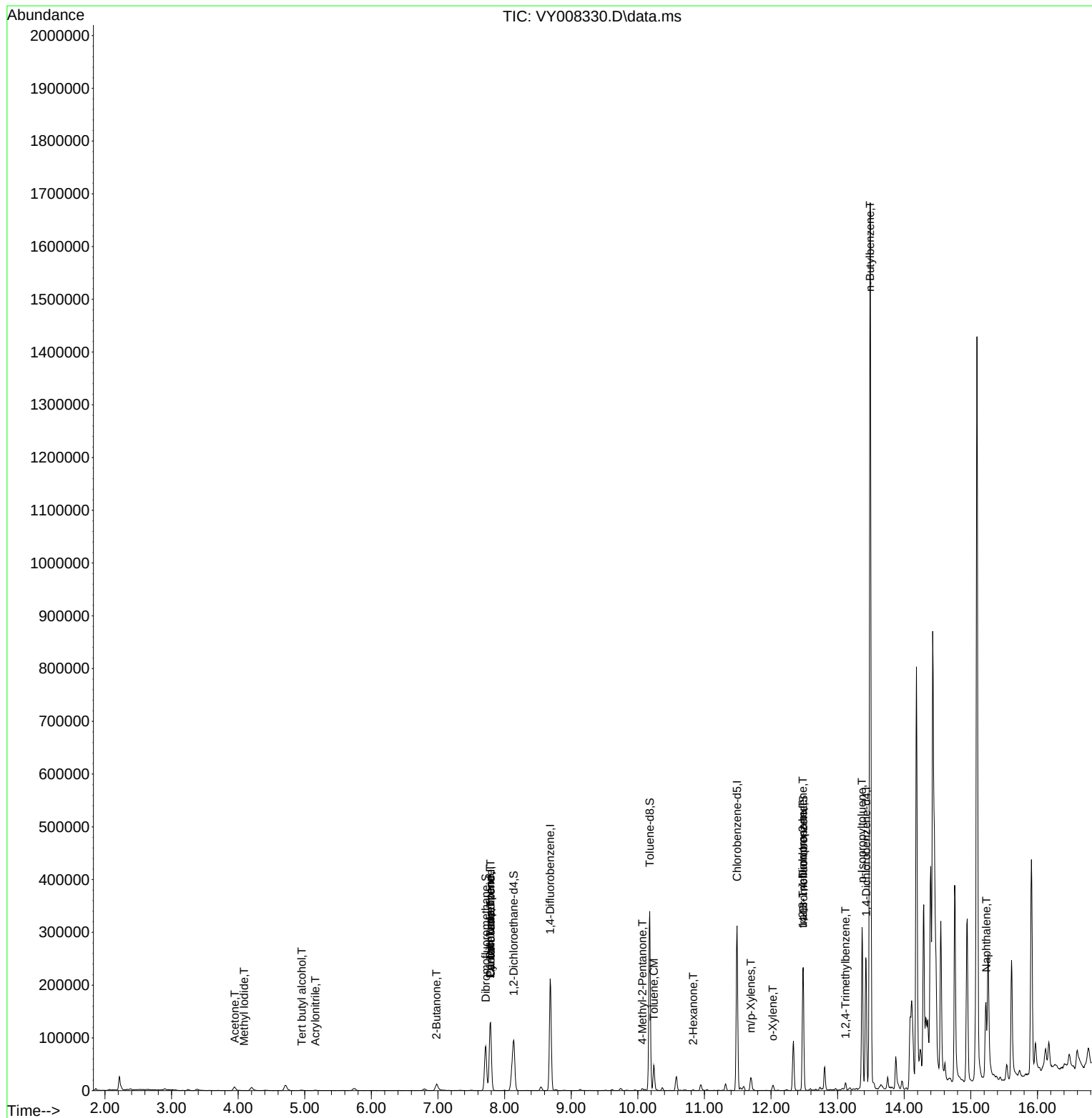
Internal Standards						
1) Pentafluorobenzene	7.789	168	102866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	187195	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	169252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65029	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58726	60.778	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.560%			
35) Dibromofluoromethane	7.716	113	58330	53.949	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.900%			
50) Toluene-d8	10.179	98	224679	60.729	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 121.460%			
62) 4-Bromofluorobenzene	12.483	95	69250	49.765	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.540%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	238	Below Cal	#	64
5) Bromomethane	2.662	94	392	Below Cal	#	77
10) Methyl Iodide	4.088	142	162	2.513	ug/l #	48
11) Tert butyl alcohol	4.954	59	1914	18.529	ug/l #	77
15) Acrylonitrile	5.161	53	1019	3.306	ug/l #	82
16) Acetone	3.948	43	11043	47.516	ug/l #	85
18) Methyl Acetate	4.479	43	397	Below Cal	#	67
20) Methylene Chloride	4.710	84	7883	Below Cal	#	79
25) 2-Butanone	6.978	43	5385	14.818	ug/l #	87
31) Cyclohexane	7.789	56	2262	1.295	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	8349	4.836	ug/l #	51
38) Carbon Tetrachloride	7.789	117	10676	5.748	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	2851	3.342	ug/l	100
52) Toluene	10.240	92	20023	5.911	ug/l	92
59) 2-Hexanone	10.831	43	1011	1.722	ug/l	86
68) m/p-Xylenes	11.697	106	7648	3.081	ug/l	86
69) o-Xylene	12.026	106	2615	1.086	ug/l	89
76) 1,2,3-Trichloropropane	12.477	75	36599	50.888	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36599	113.861	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	7313	1.864	ug/l	97
86) p-Isopropyltoluene	13.367	119	163778	37.222	ug/l	98
89) n-Butylbenzene	13.489	91	19508	4.907	ug/l	74
95) Naphthalene	15.233	128	5111	1.932	ug/l #	82

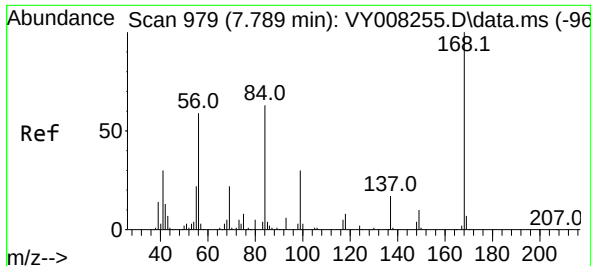
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041422\
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Instrument :
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ClientSampleId :
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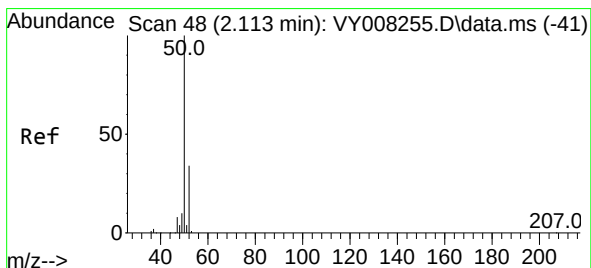
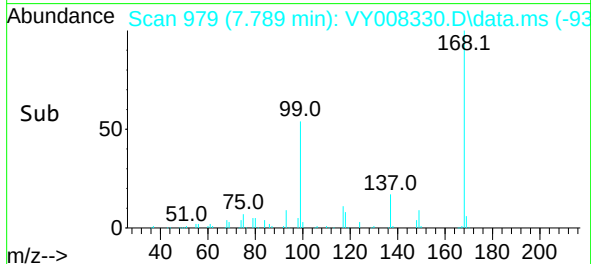
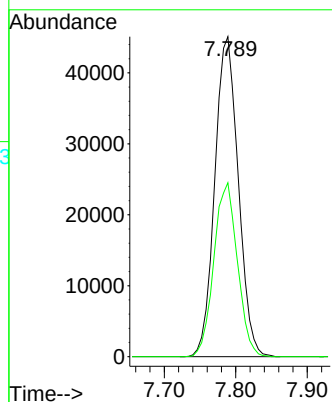
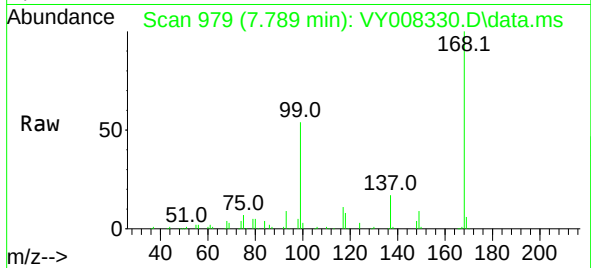




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

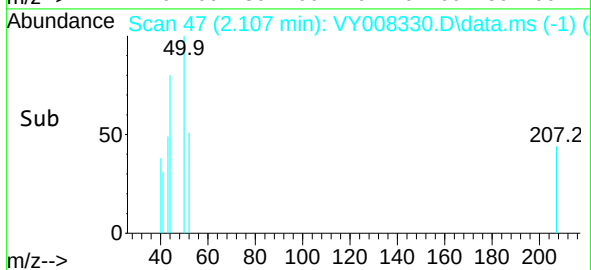
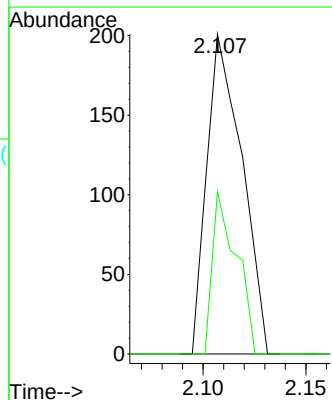
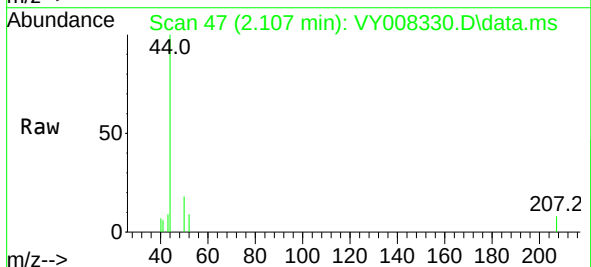
Instrument :
MSVOA_Y
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D2460-D2462

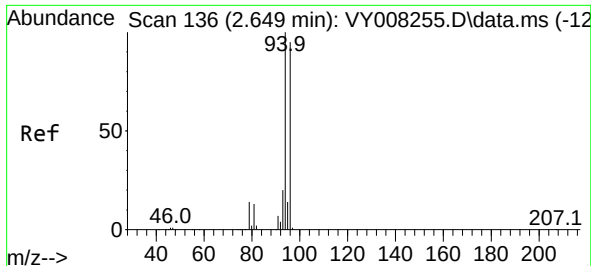
Tgt Ion:168 Resp: 102866
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 50.7 24.6 37.0#

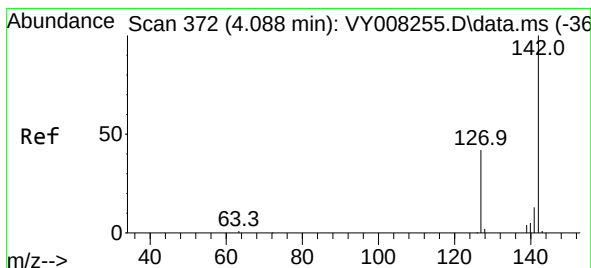
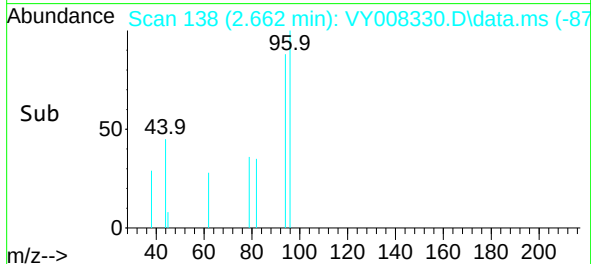
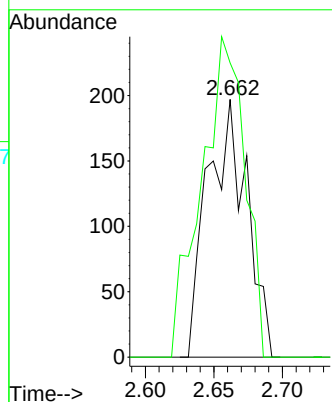
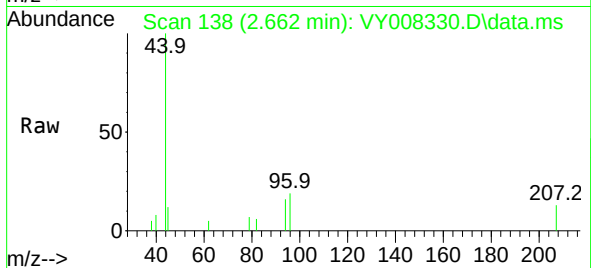




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

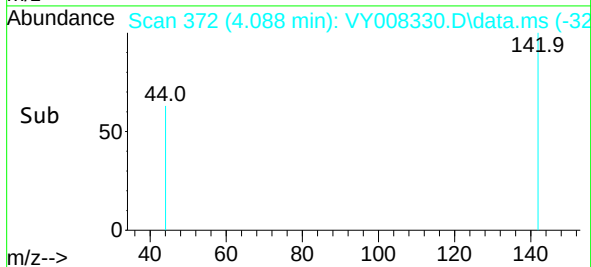
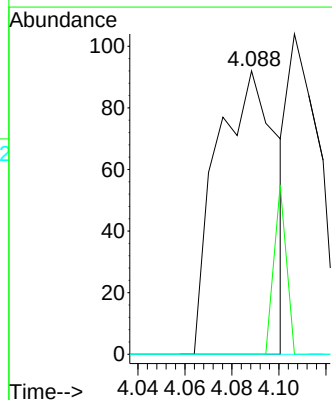
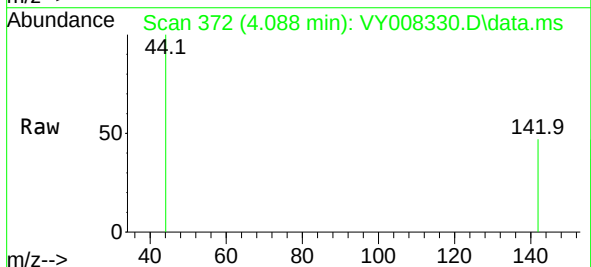
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

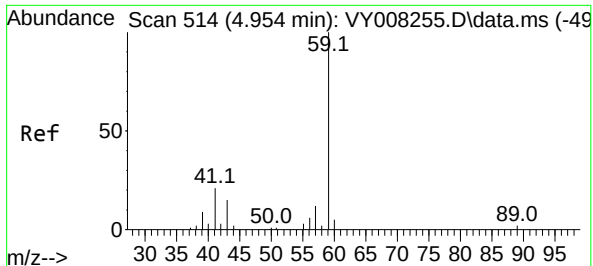
Tgt Ion: 94 Resp: 392
Ion Ratio Lower Upper
94 100
96 114.2 73.5 110.3#



#10
Methyl Iodide
Concen: 2.513 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion:142 Resp: 162
Ion Ratio Lower Upper
142 100
127 12.3 41.5 62.3#
141 0.0 11.9 17.9#

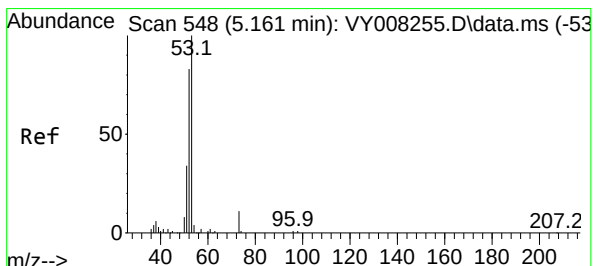
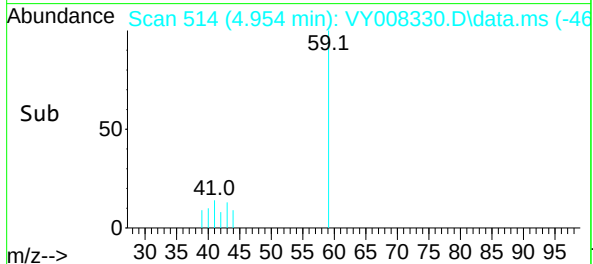
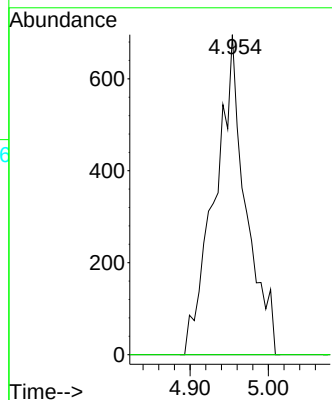
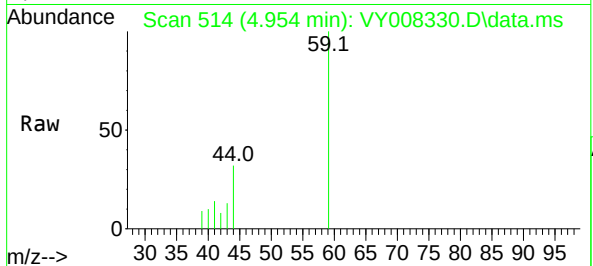




#11
Tert butyl alcohol
Concen: 18.529 ug/l
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

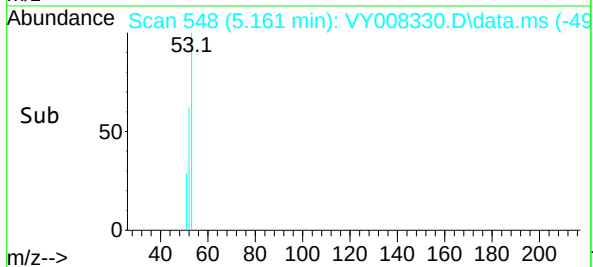
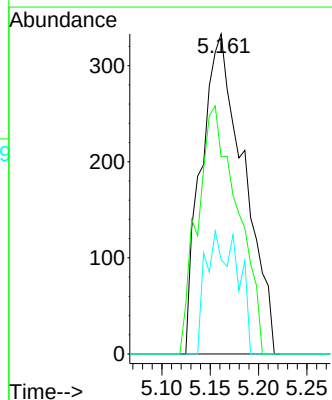
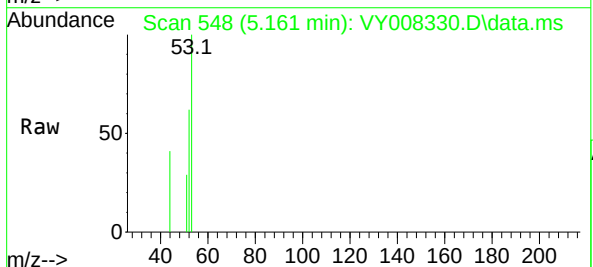
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

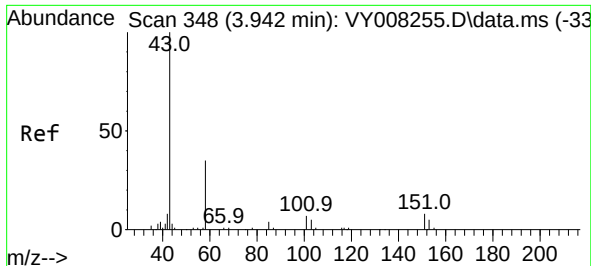
Tgt Ion: 59 Resp: 1914
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#15
Acrylonitrile
Concen: 3.306 ug/l
RT: 5.161 min Scan# 548
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 53 Resp: 1019
Ion Ratio Lower Upper
53 100
52 72.9 67.0 100.4
51 18.2 29.8 44.6#

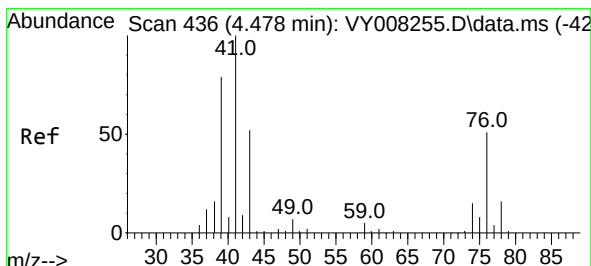
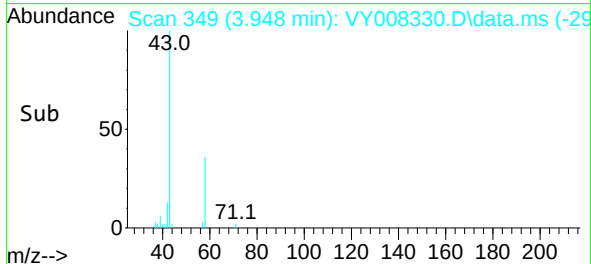
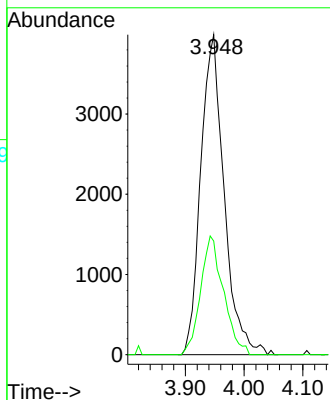
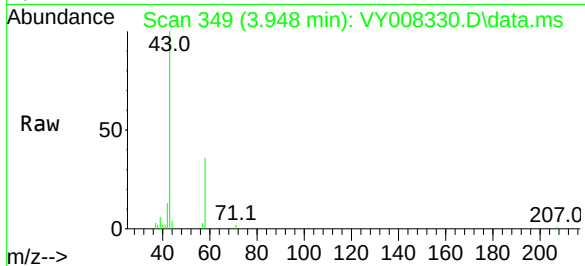




#16
Acetone
Concen: 47.516 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

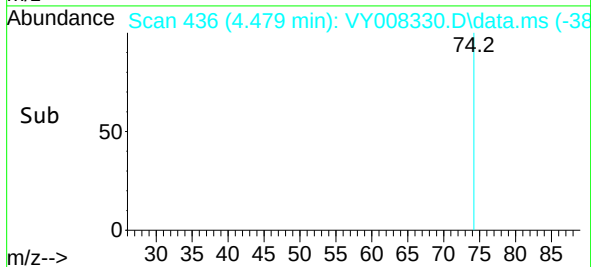
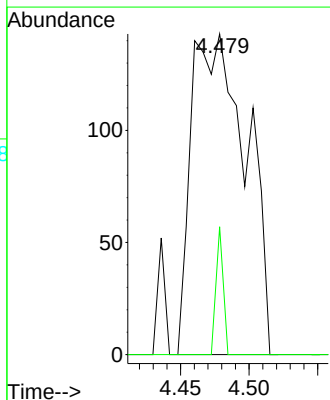
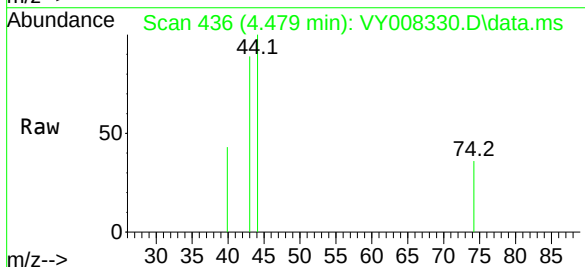
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

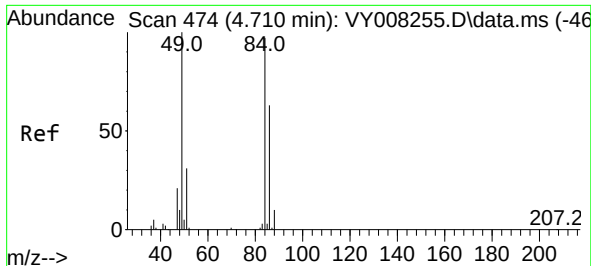
Tgt Ion: 43 Resp: 11043
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. 0.001 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

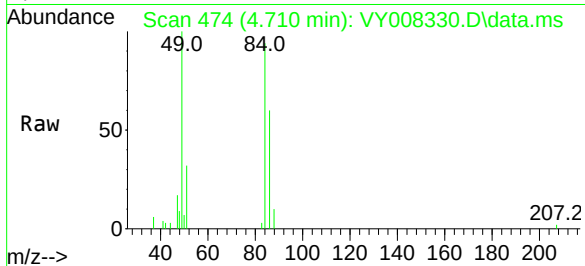
Tgt Ion: 43 Resp: 397
Ion Ratio Lower Upper
43 100
74 5.3 16.6 24.8#



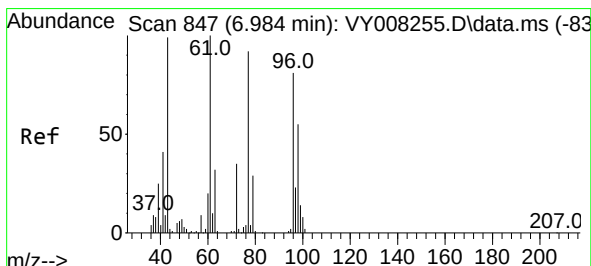
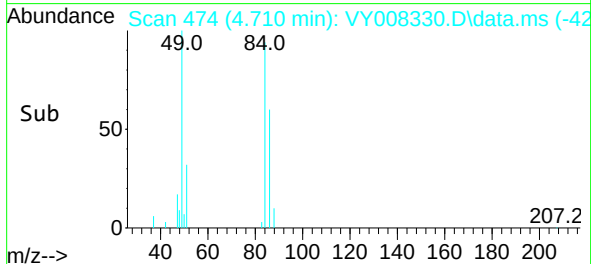
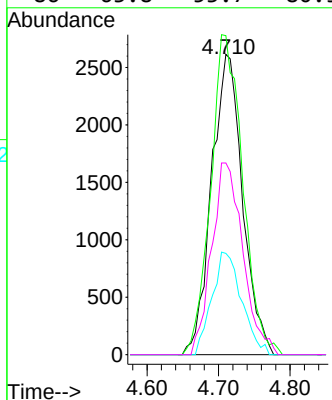


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

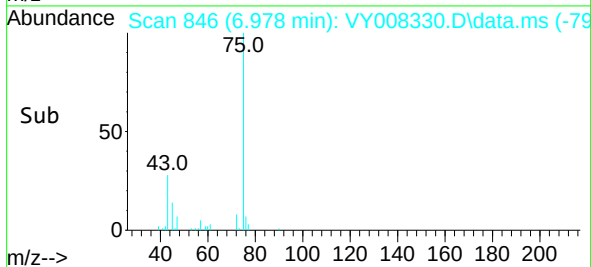
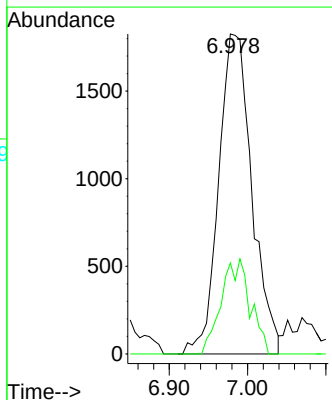
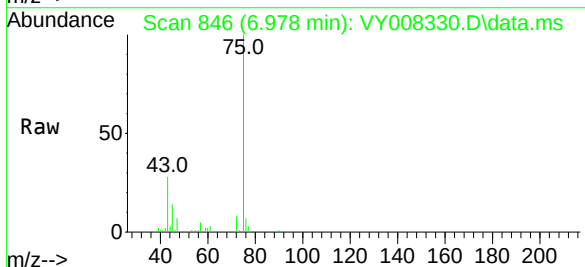


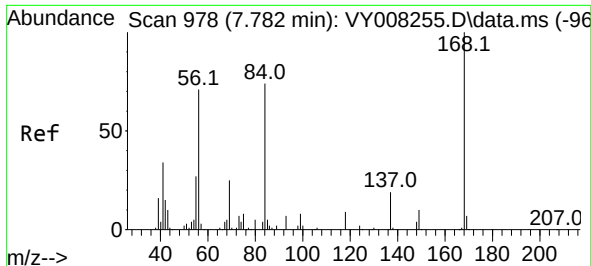
Tgt Ion: 84 Resp: 7883
Ion Ratio Lower Upper
84 100
49 106.2 114.4 171.6#
51 33.7 35.3 52.9#
86 63.8 53.7 80.5



#25
2-Butanone
Concen: 14.818 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 43 Resp: 5385
Ion Ratio Lower Upper
43 100
72 28.4 17.7 26.5#

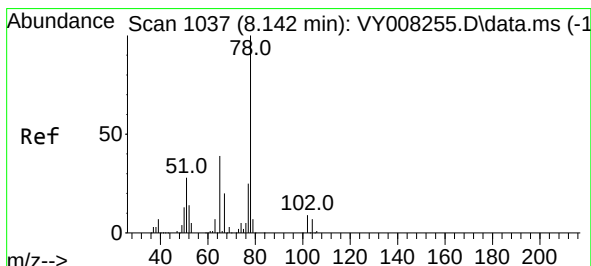
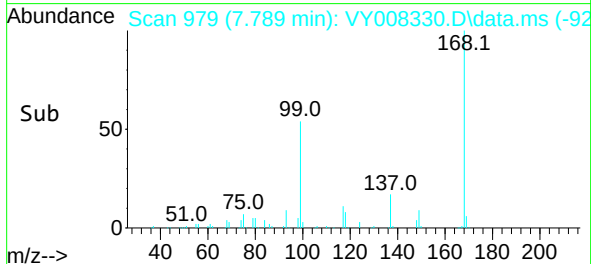
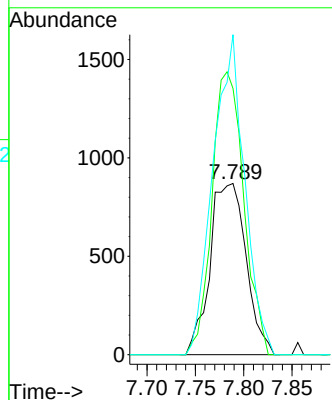
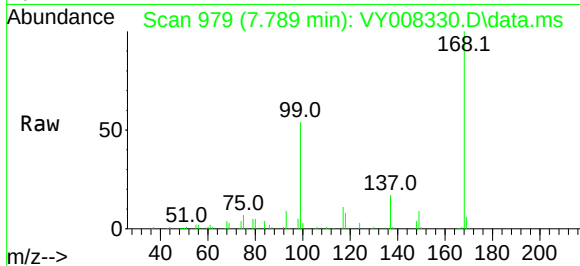




#31
Cyclohexane
Concen: 1.295 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

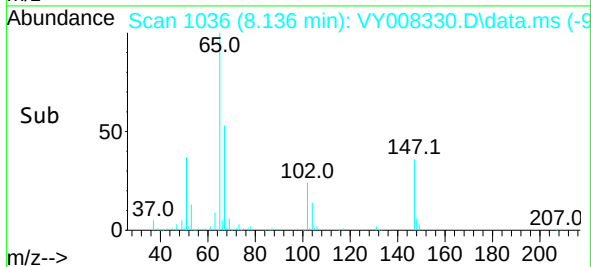
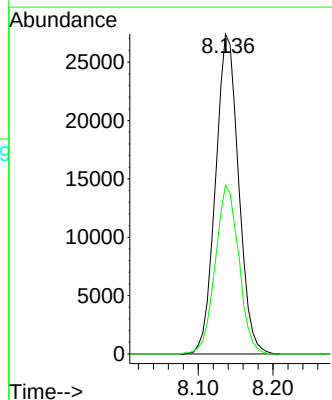
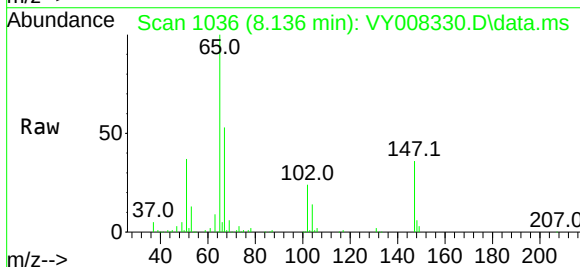
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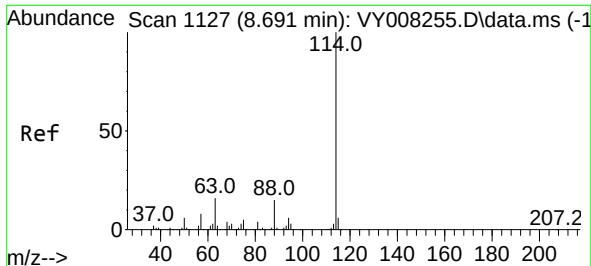
Tgt Ion: 56 Resp: 2262
Ion Ratio Lower Upper
56 100
69 155.5 26.7 40.1#
84 186.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 60.778 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 65 Resp: 58726
Ion Ratio Lower Upper
65 100
67 53.9 0.0 99.4

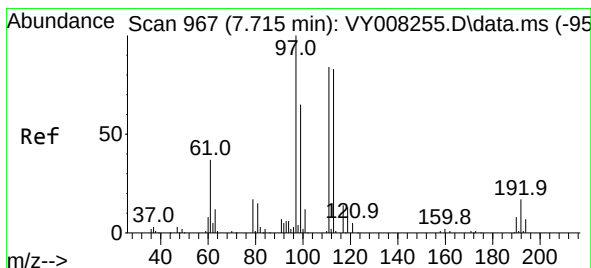
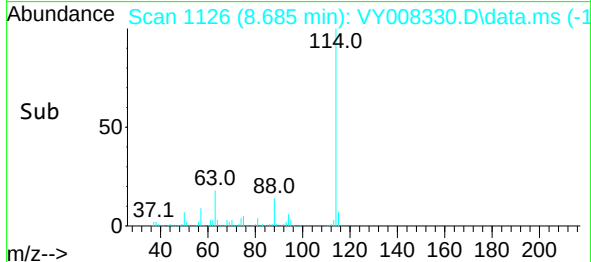
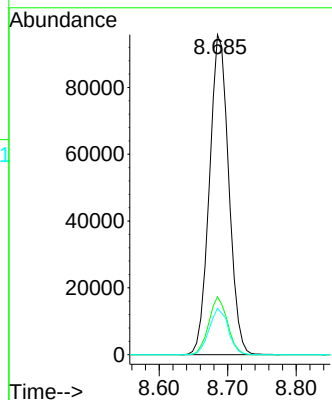
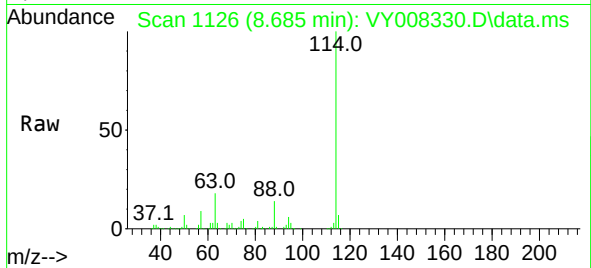




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

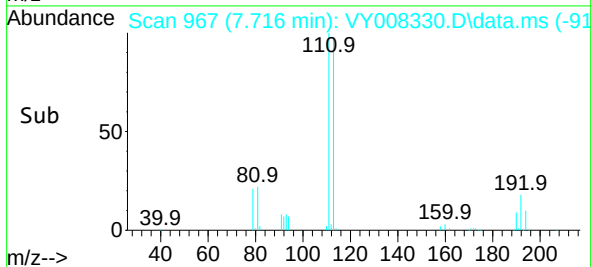
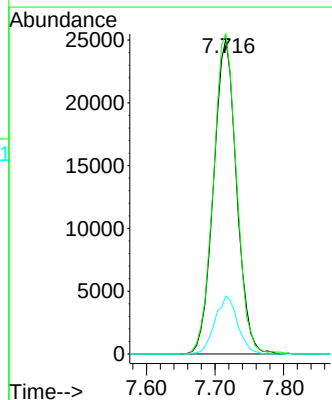
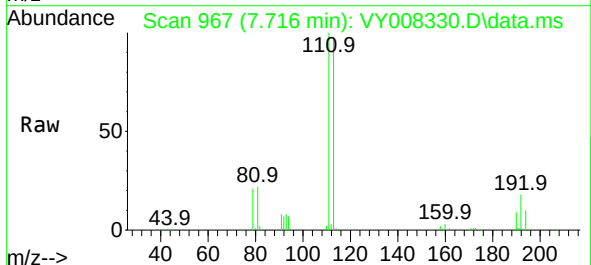
Instrument :
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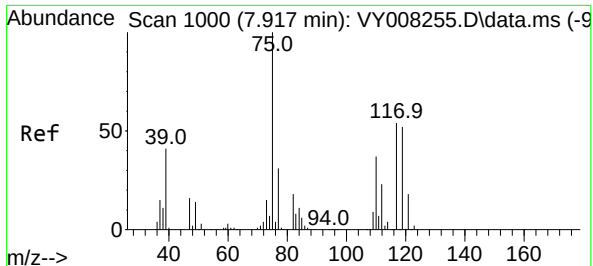
Tgt Ion:114 Resp: 187195
Ion Ratio Lower Upper
114 100
63 18.1 0.0 43.2
88 14.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.949 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.001 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion:113 Resp: 58330
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 18.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.836 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008330.D

Acq: 14 Apr 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

D2460-D2462

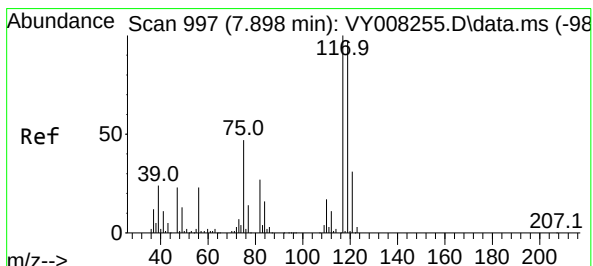
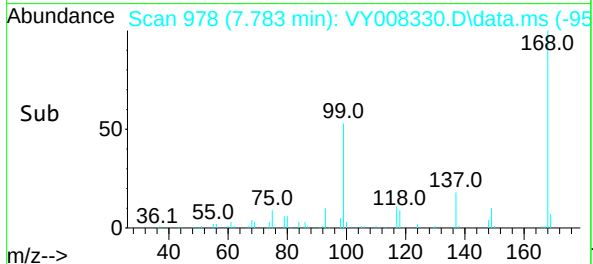
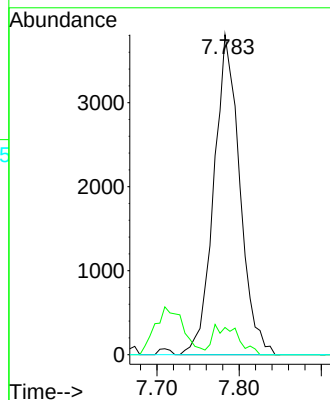
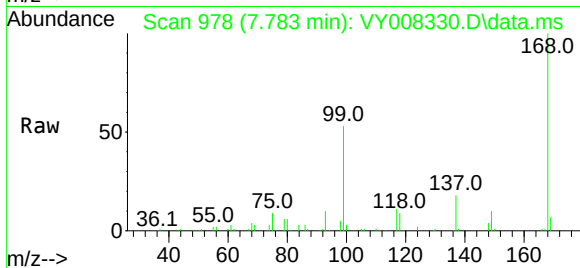
Tgt Ion: 75 Resp: 8349

Ion Ratio Lower Upper

75 100

110 9.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.748 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008330.D

Acq: 14 Apr 2022 16:13

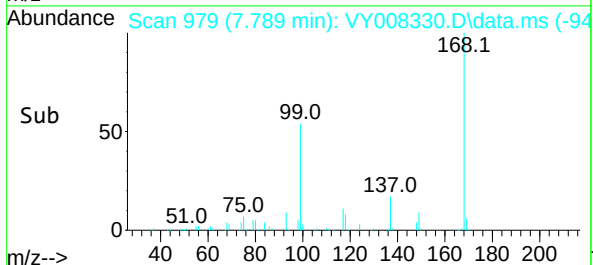
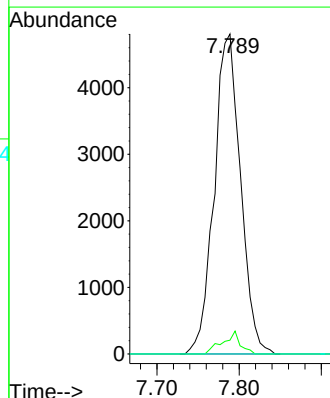
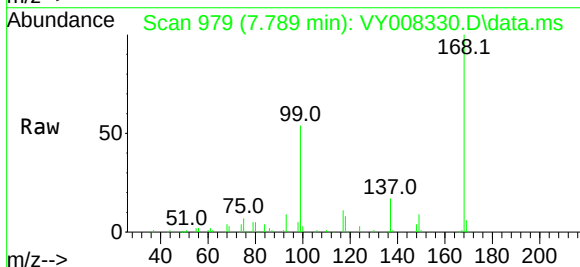
Tgt Ion: 117 Resp: 10676

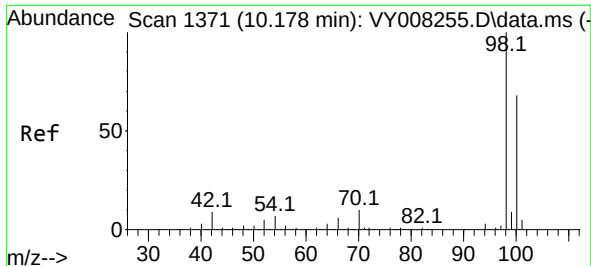
Ion Ratio Lower Upper

117 100

119 4.3 77.9 116.9#

121 0.0 24.8 37.2#

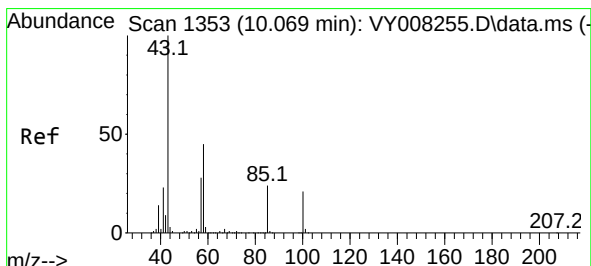
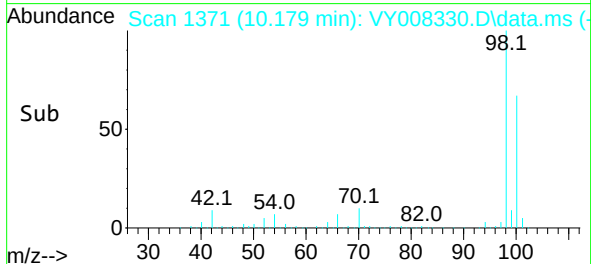
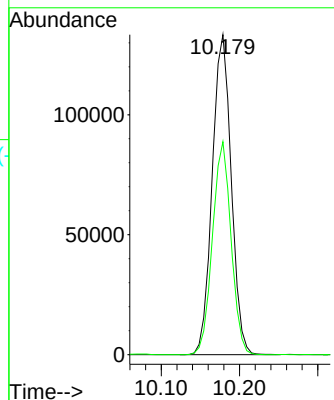
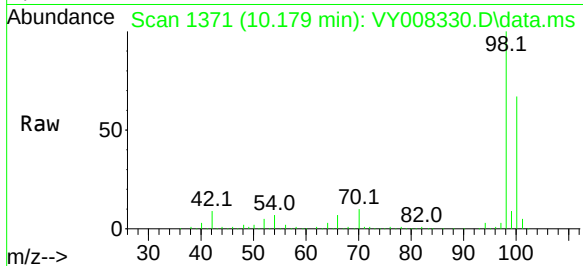




#50
Toluene-d8
Concen: 60.729 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

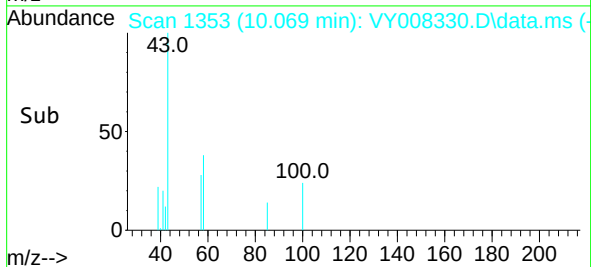
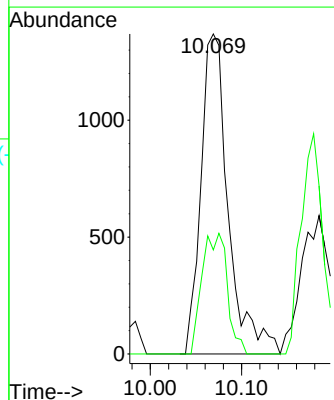
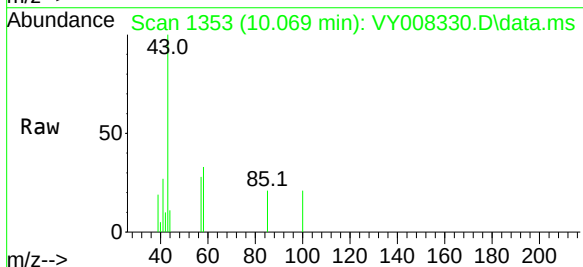
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

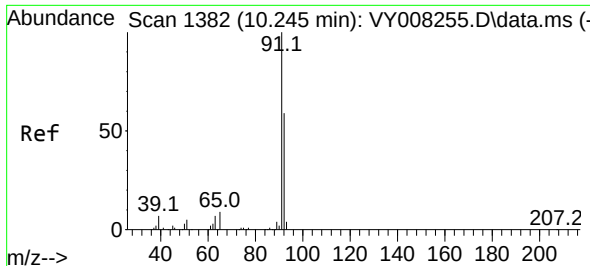
Tgt Ion: 98 Resp: 224679
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 3.342 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 43 Resp: 2851
Ion Ratio Lower Upper
43 100
58 34.9 28.1 42.1

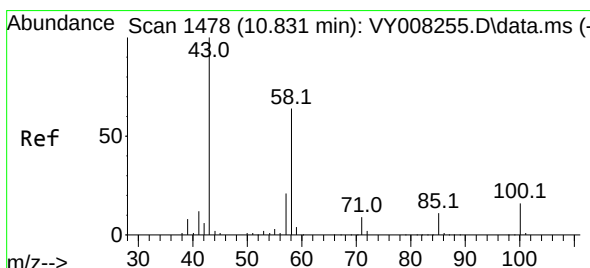
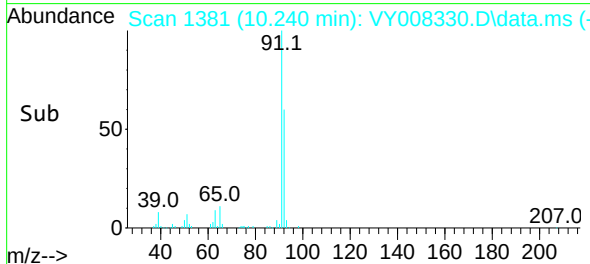
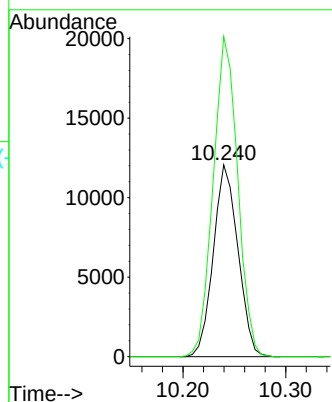
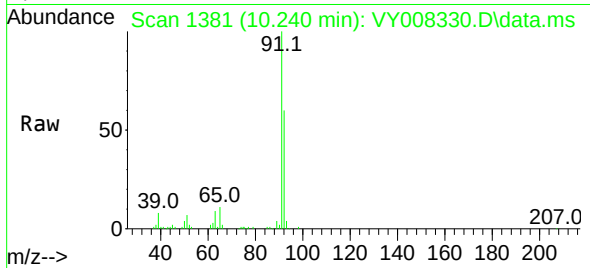




#52
Toluene
Concen: 5.911 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

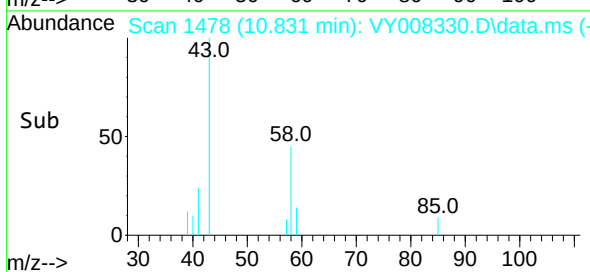
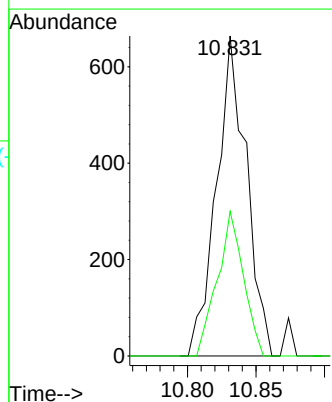
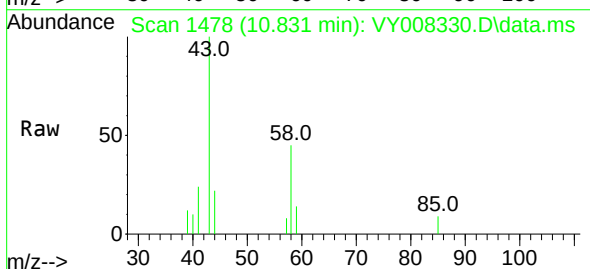
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

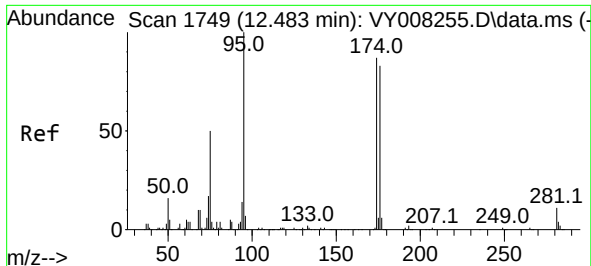
Tgt Ion: 92 Resp: 20023
Ion Ratio Lower Upper
92 100
91 166.5 142.6 213.8



#59
2-Hexanone
Concen: 1.722 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
58 39.4 24.4 73.4

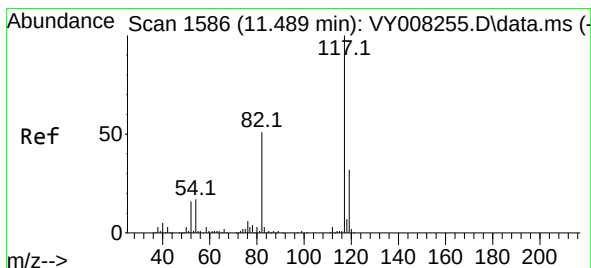
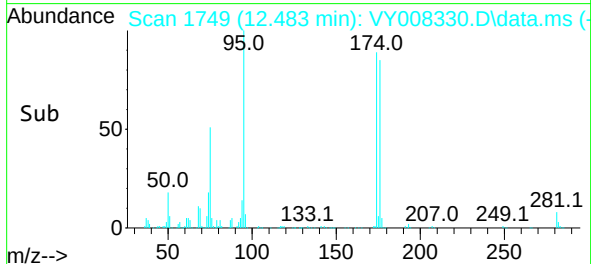
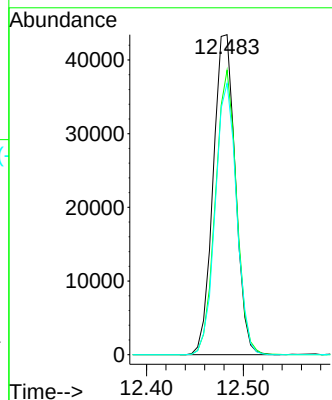
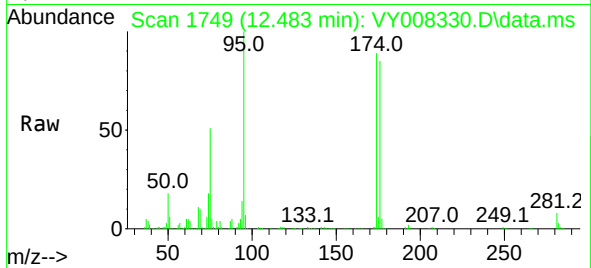




#62
4-Bromofluorobenzene
Concen: 49.765 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

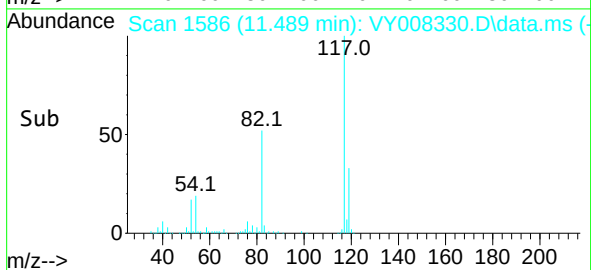
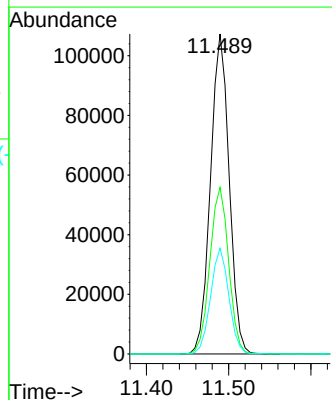
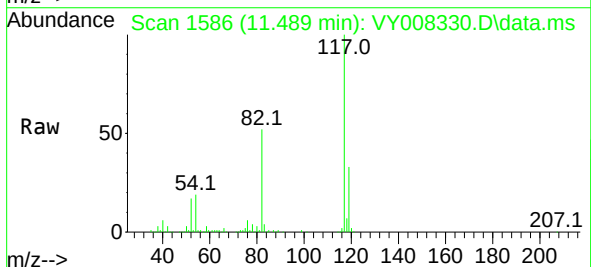
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

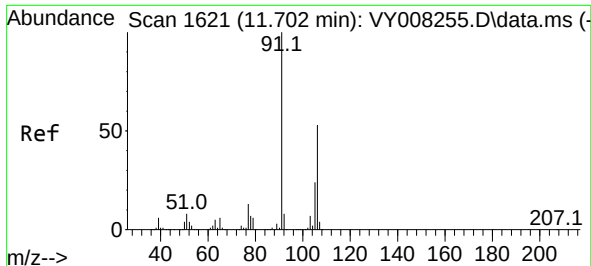
Tgt Ion: 95 Resp: 69250
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 81.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion: 117 Resp: 169252
Ion Ratio Lower Upper
117 100
82 52.0 43.0 64.4
119 33.1 25.4 38.0

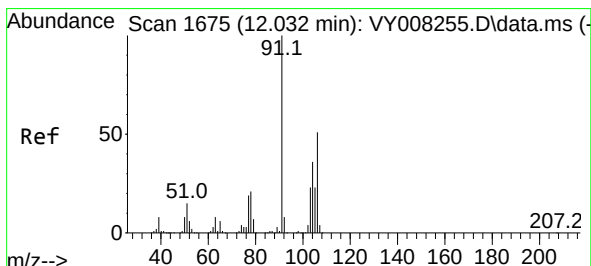
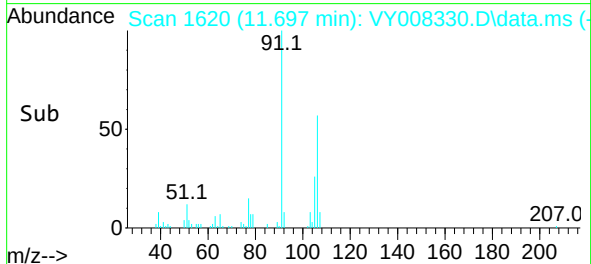
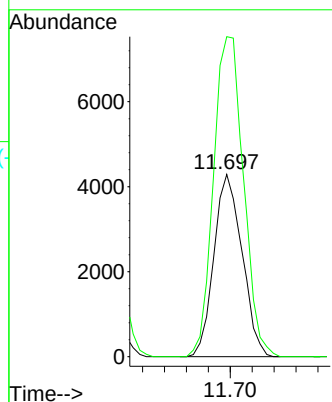
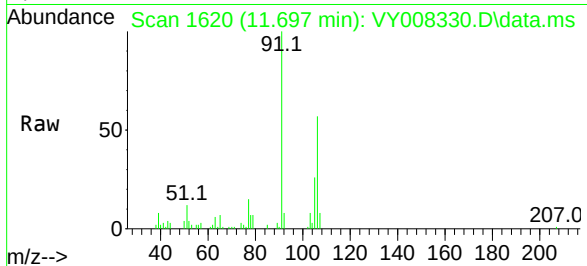




#68
m/p-Xylenes
Concen: 3.081 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.005 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

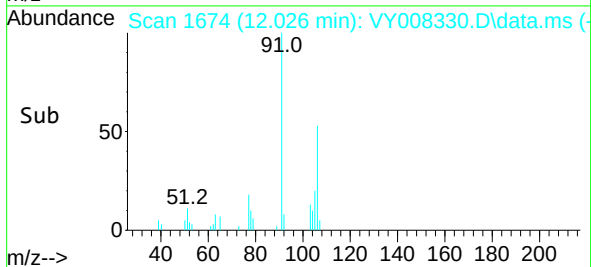
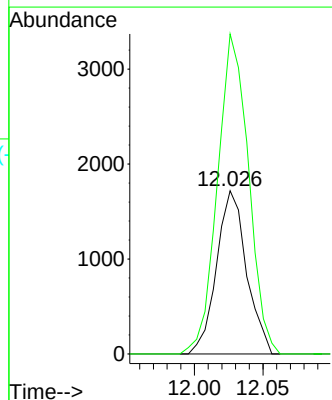
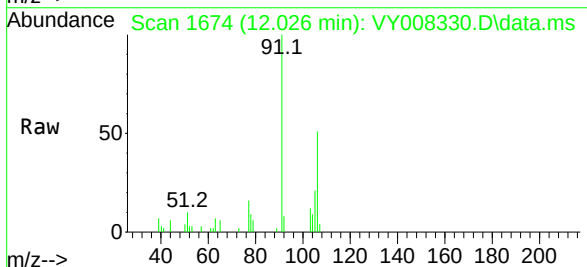
Instrument :
MSVOA_Y
ClientSampleId :
D2460-D2462

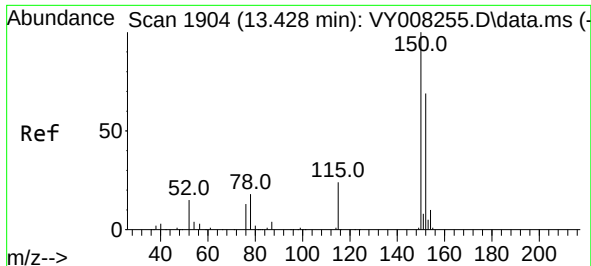
Tgt Ion:106 Resp: 7648
Ion Ratio Lower Upper
106 100
91 186.8 166.6 249.8



#69
o-Xylene
Concen: 1.086 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY008330.D
Acq: 14 Apr 2022 16:13

Tgt Ion:106 Resp: 2615
Ion Ratio Lower Upper
106 100
91 203.1 110.3 331.0

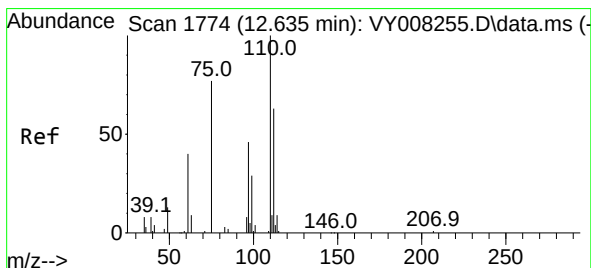
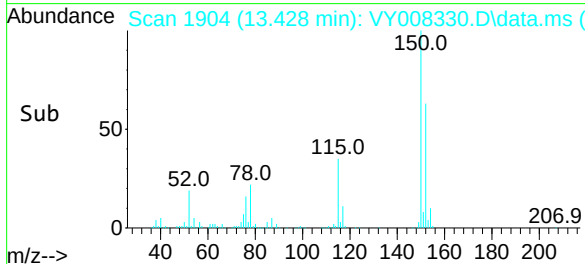
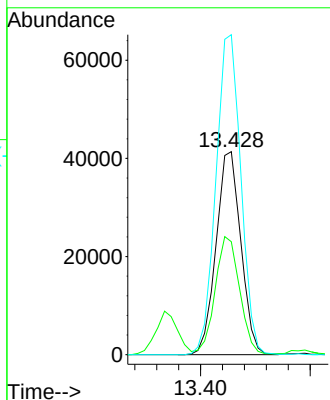
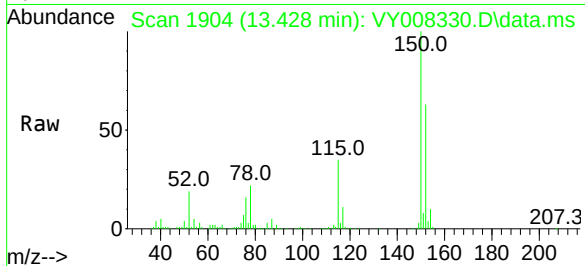




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

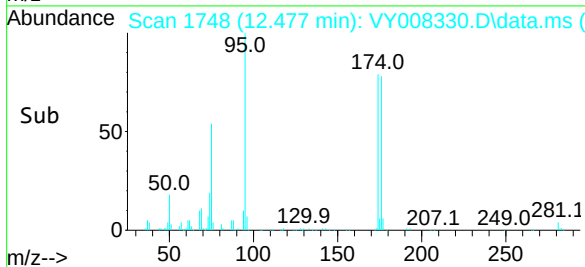
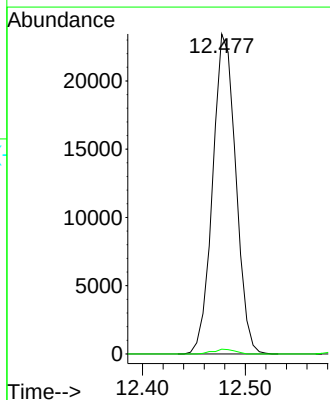
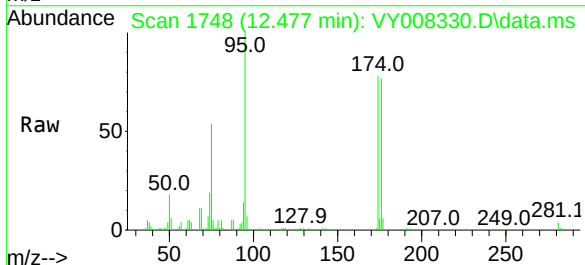
Instrument :
 MSVOA_Y
 ClientSampleId :
 D2460-D2462

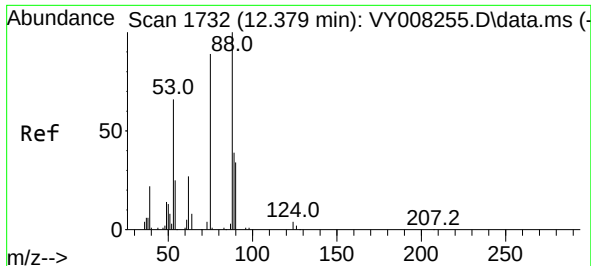
Tgt Ion:152 Resp: 65029
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 158.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.888 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

Tgt Ion: 75 Resp: 36599
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

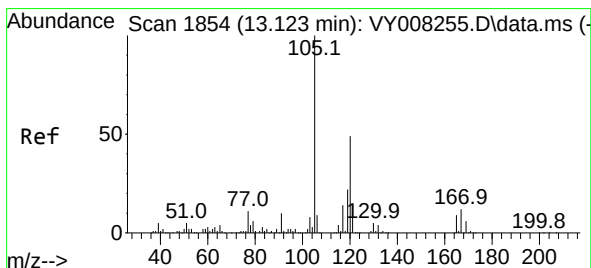
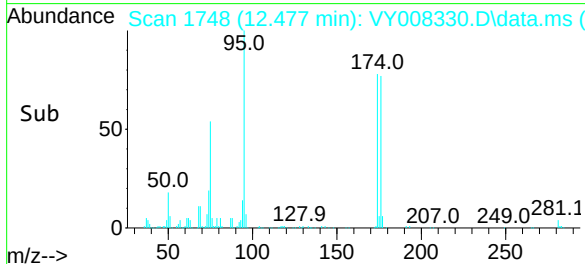
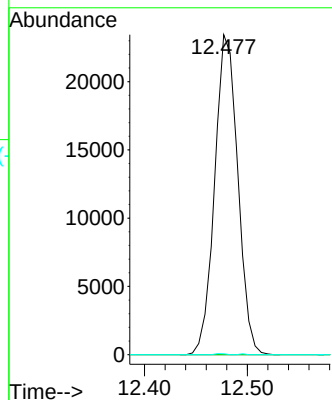
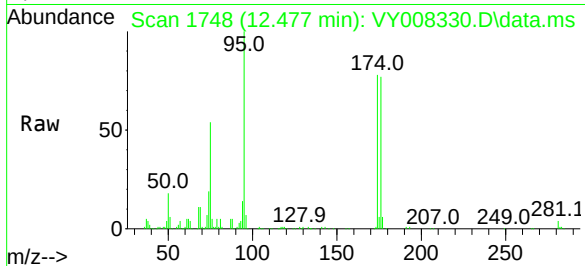




#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.861 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

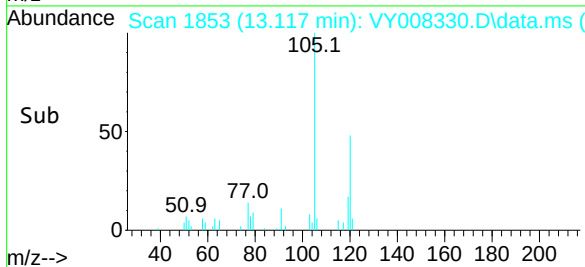
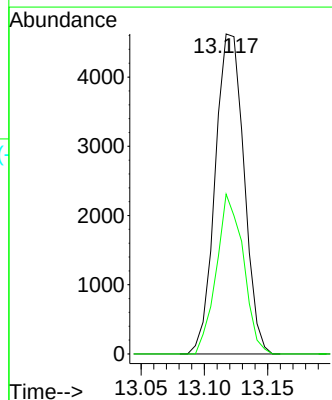
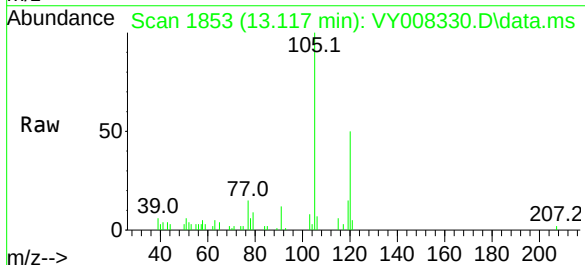
Instrument :
 MSVOA_Y
 ClientSampleId :
 D2460-D2462

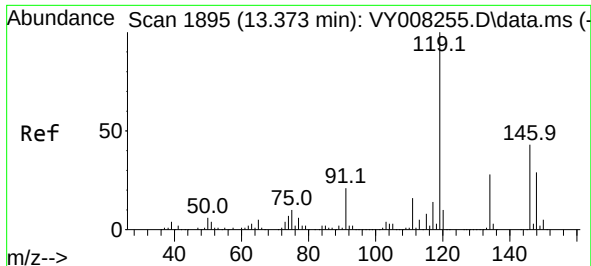
Tgt Ion: 75 Resp: 36599
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.864 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.006 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

Tgt Ion: 105 Resp: 7313
 Ion Ratio Lower Upper
 105 100
 120 46.6 22.3 66.9

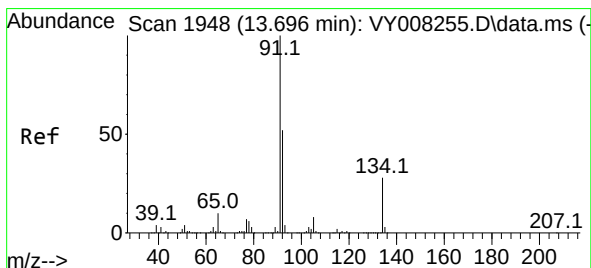
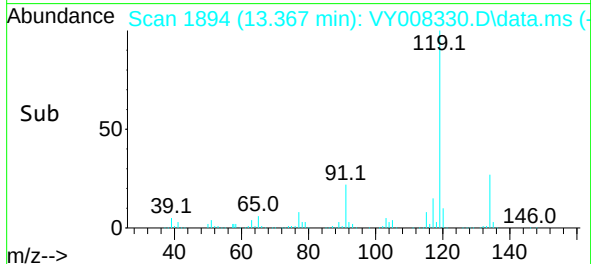
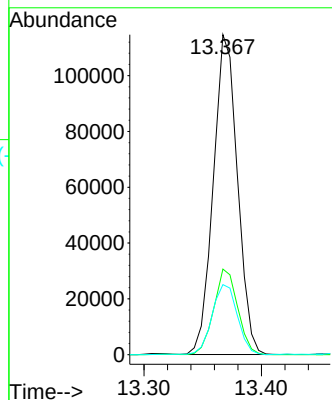
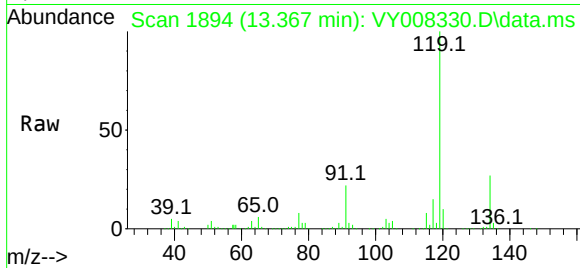




#86
 p-Isopropyltoluene
 Concen: 37.222 ug/l
 RT: 13.367 min Scan# 119
 Delta R.T. -0.006 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

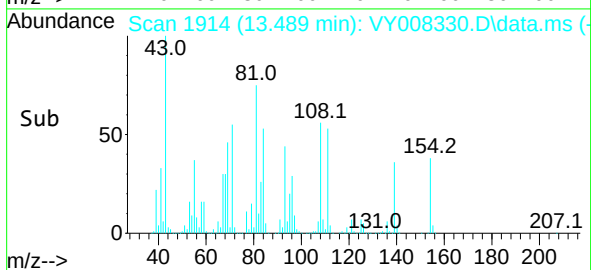
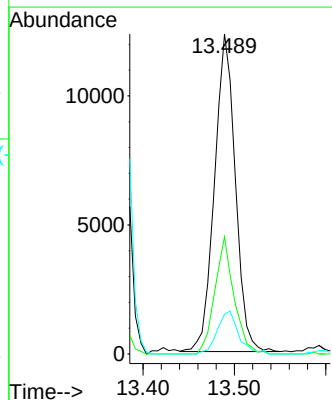
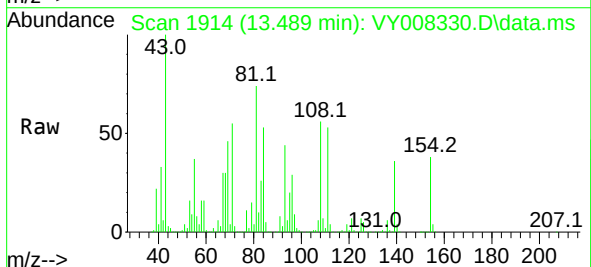
Instrument :
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 ClientSampleId :
 D2460-D2462

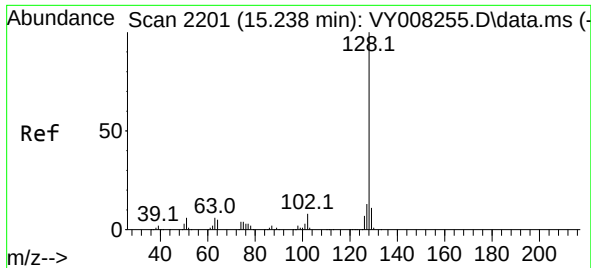
Tgt Ion:119 Resp: 163778
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.2 39.5
 91 23.2 12.4 37.2



#89
 n-Butylbenzene
 Concen: 4.907 ug/l
 RT: 13.489 min Scan# 1914
 Delta R.T. -0.207 min
 Lab File: VY008330.D
 Acq: 14 Apr 2022 16:13

Tgt Ion: 91 Resp: 19508
 Ion Ratio Lower Upper
 91 100
 92 33.9 26.3 78.9
 134 13.8 13.0 38.9





#95

Naphthalene

Concen: 1.932 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.005 min

Lab File: VY008330.D

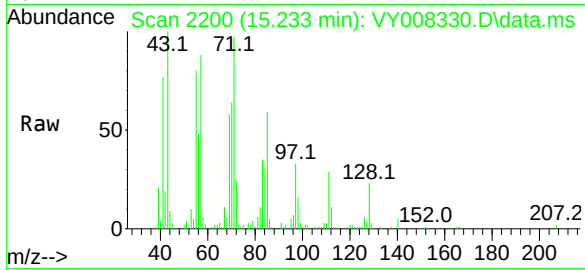
Acq: 14 Apr 2022 16:13

Instrument :

MSVOA_Y

ClientSampleId :

D2460-D2462



Tgt Ion:	128	Resp:	5111
Ion	Ratio	Lower	Upper
128	100		
127	23.9	11.0	16.4#
129	13.7	8.4	12.6#

