

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062722\
 Data File : VY009343.D
 Acq On : 27 Jun 2022 15:23
 Operator : KP/MD
 Sample : N3455-17RE
 Misc : 5.57g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-EXC-2-3RE

Quant Time: Jun 28 04:30:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062422S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 25 07:08:46 2022
 Response via : Initial Calibration

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

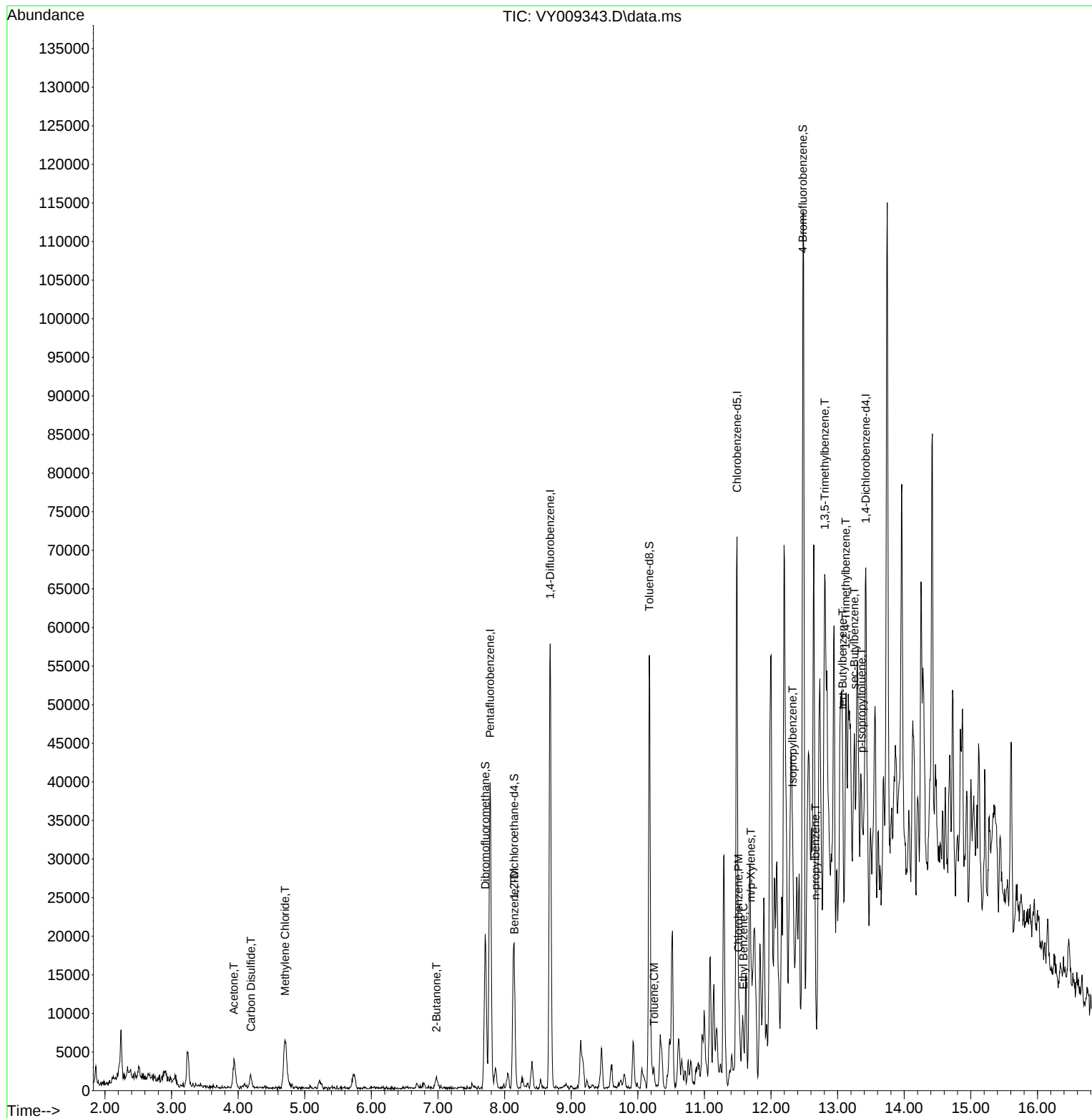
Internal Standards						
1) Pentafluorobenzene	7.783	168	29324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	48926	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	12258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	13266	61.086	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.180%			
35) Dibromofluoromethane	7.710	113	13152	49.803	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.600%			
50) Toluene-d8	10.173	98	33525	42.420	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 84.840%			
62) 4-Bromofluorobenzene	12.477	95	14164	37.659	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 75.320%			
Target Compounds					Qvalue	
16) Acetone	3.936	43	6032	80.460	ug/l	95
17) Carbon Disulfide	4.192	76	2643	2.968	ug/l #	94
20) Methylene Chloride	4.704	84	4207	10.335	ug/l	91
25) 2-Butanone	6.978	43	1575	13.970	ug/l #	68
40) Benzene	8.149	78	3371	2.585	ug/l	99
52) Toluene	10.246	92	1226	1.517	ug/l	80
65) Chlorobenzene	11.514	112	1354	1.890	ug/l	99
67) Ethyl Benzene	11.587	91	1473	1.165	ug/l	97
68) m/p-Xylenes	11.697	106	1071	2.156	ug/l	82
73) Isopropylbenzene	12.325	105	1659	1.963	ug/l	95
78) n-propylbenzene	12.666	91	2286	2.193	ug/l	95
80) 1,3,5-Trimethylbenzene	12.806	105	2263	3.179	ug/l	91
83) tert-Butylbenzene	13.075	119	2112	3.393	ug/l	88
84) 1,2,4-Trimethylbenzene	13.123	105	3400	4.844	ug/l	99
85) sec-Butylbenzene	13.251	105	3427	3.711	ug/l #	39
86) p-Isopropyltoluene	13.361	119	1464	1.916	ug/l	90

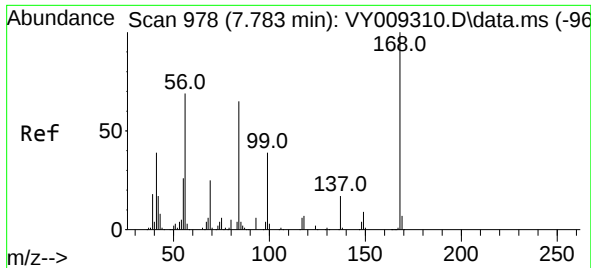
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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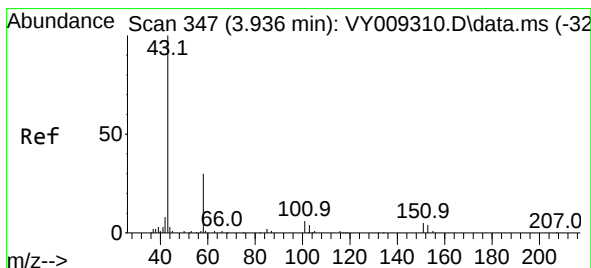
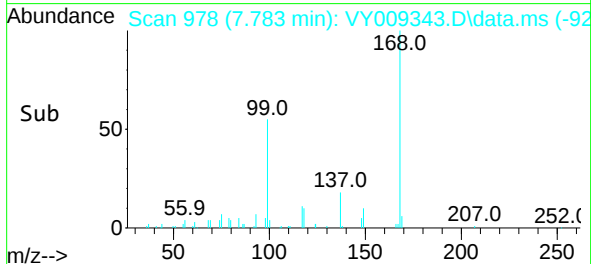
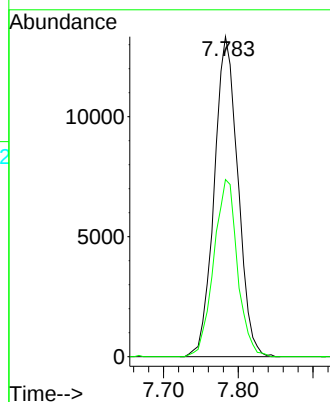
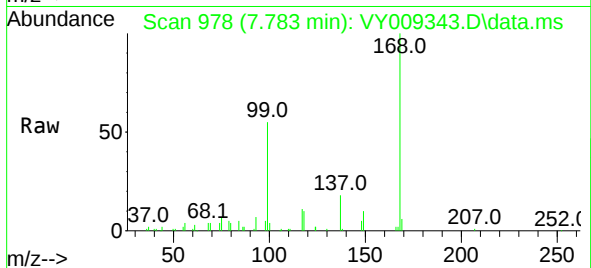




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

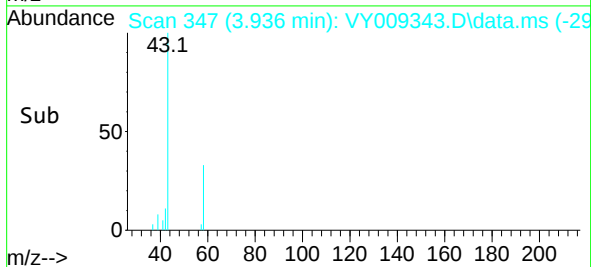
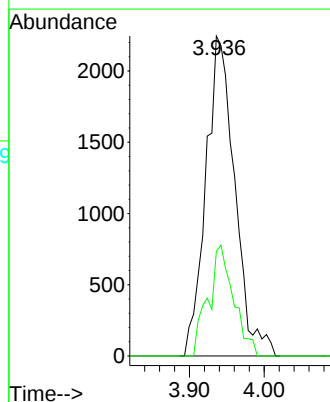
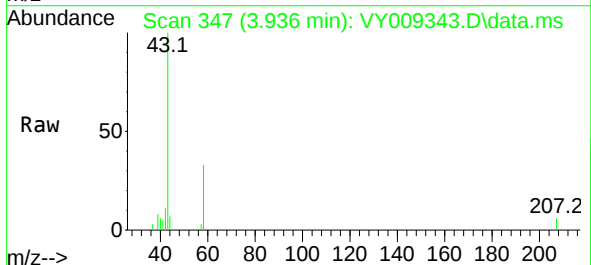
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

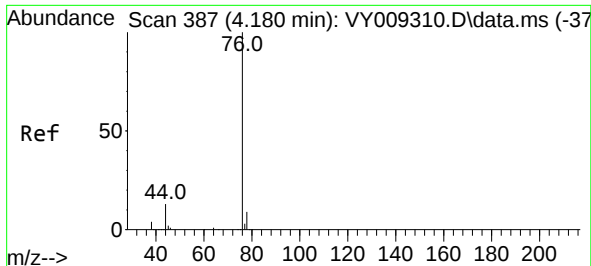
Tgt Ion:168 Resp: 29324
Ion Ratio Lower Upper
168 100
99 55.3 42.1 63.1



#16
Acetone
Concen: 80.460 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion: 43 Resp: 6032
Ion Ratio Lower Upper
43 100
58 32.8 24.0 36.0

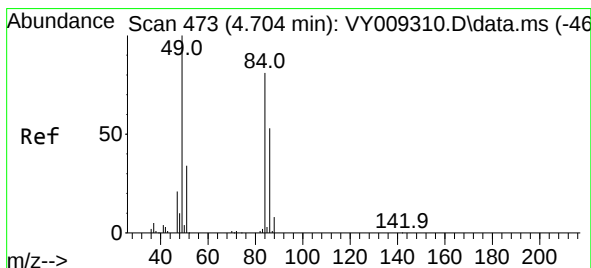
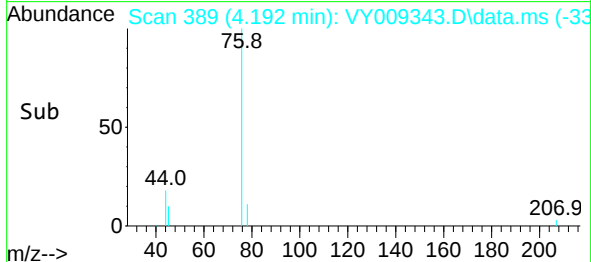
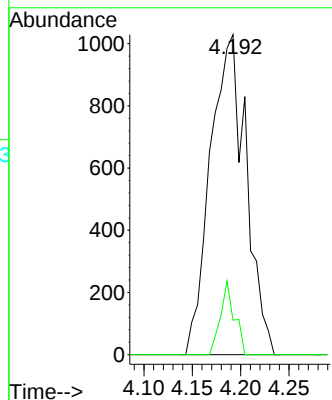
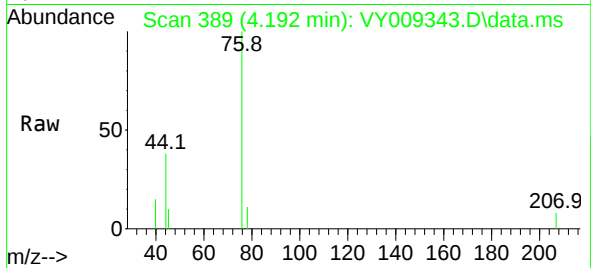




#17
Carbon Disulfide
Concen: 2.968 ug/l
RT: 4.192 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

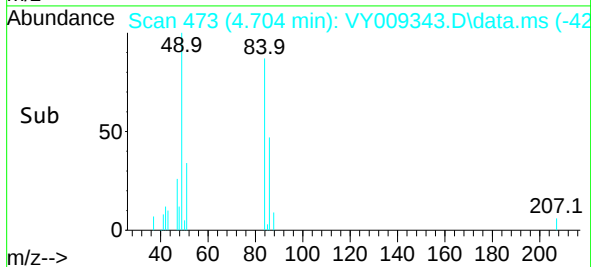
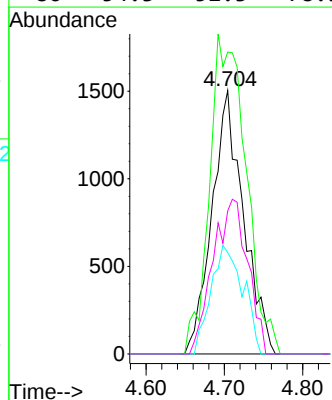
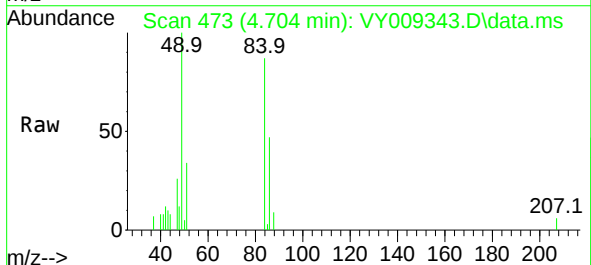
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

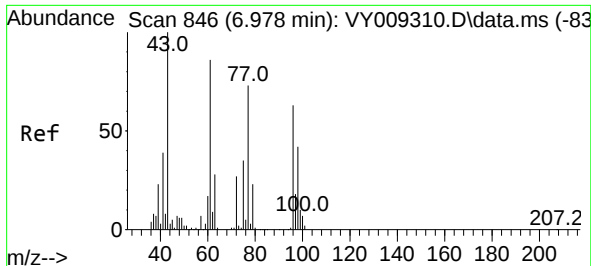
Tgt Ion: 76 Resp: 2643
Ion Ratio Lower Upper
76 100
78 10.8 6.8 10.2#



#20
Methylene Chloride
Concen: 10.335 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion: 84 Resp: 4207
Ion Ratio Lower Upper
84 100
49 114.6 98.2 147.4
51 38.5 33.4 50.0
86 54.3 52.3 78.5

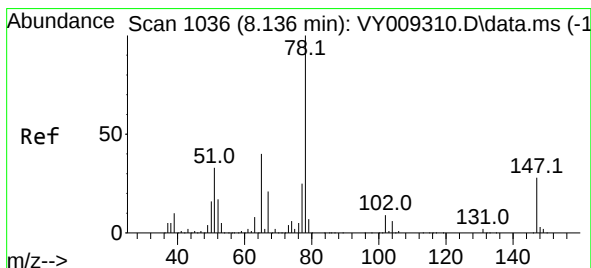
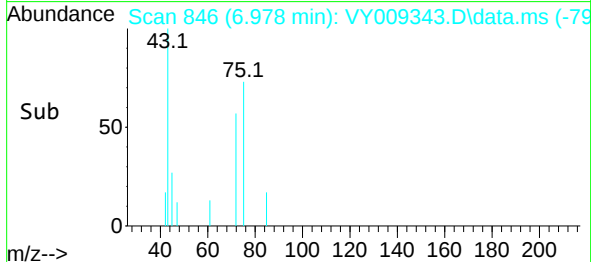
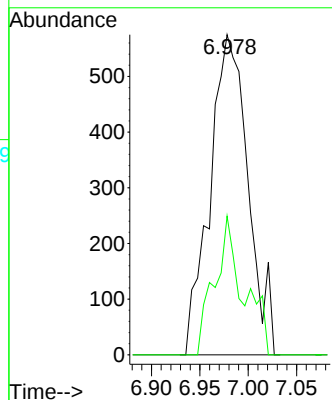
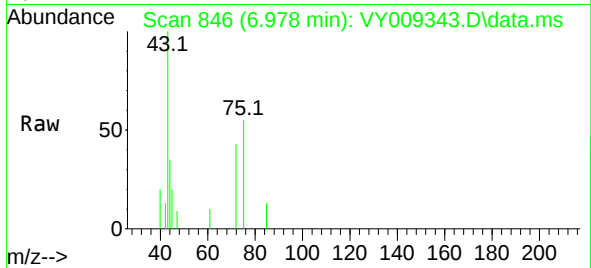




#25
2-Butanone
Concen: 13.970 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

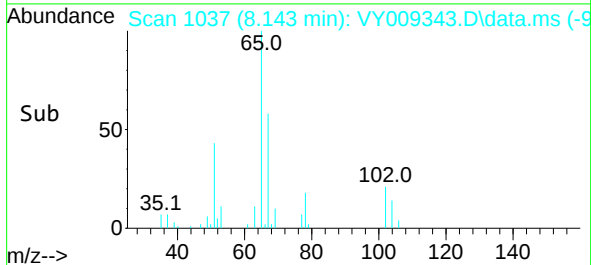
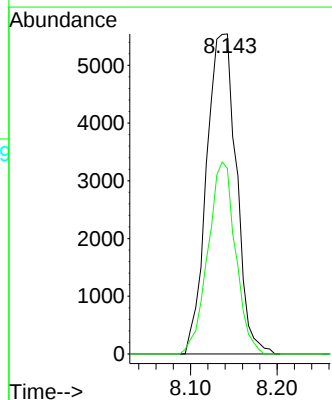
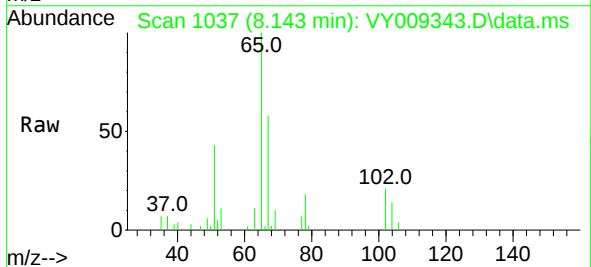
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

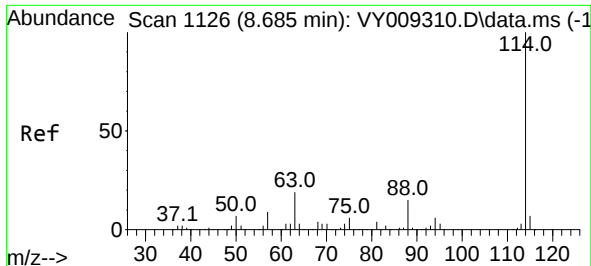
Tgt Ion: 43 Resp: 1575
Ion Ratio Lower Upper
43 100
72 43.3 21.5 32.3#



#33
1,2-Dichloroethane-d4
Concen: 61.086 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion: 65 Resp: 13266
Ion Ratio Lower Upper
65 100
67 55.4 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

SP-EXC-2-3RE

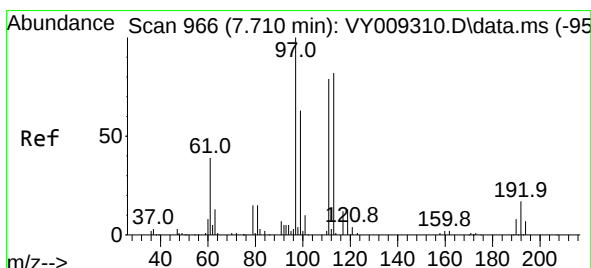
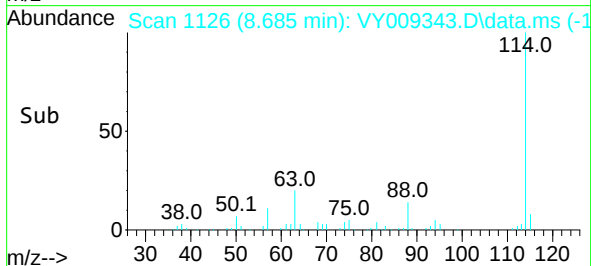
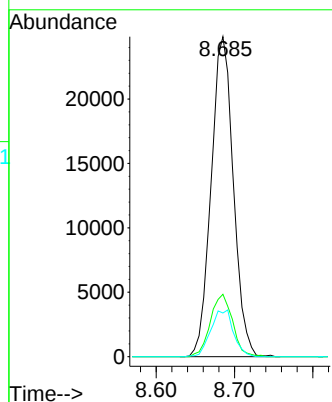
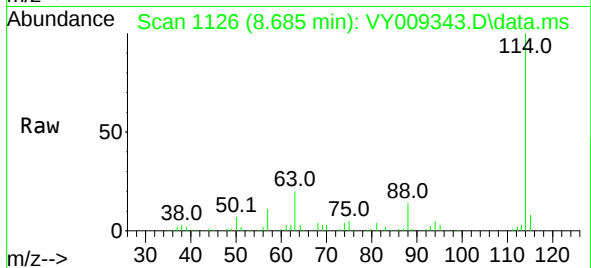
Tgt Ion:114 Resp: 48926

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.0

88 13.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 49.803 ug/l

RT: 7.710 min Scan# 966

Delta R.T. 0.000 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

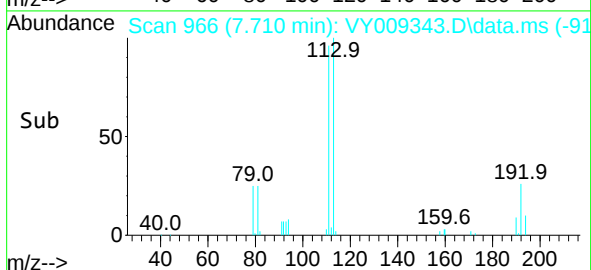
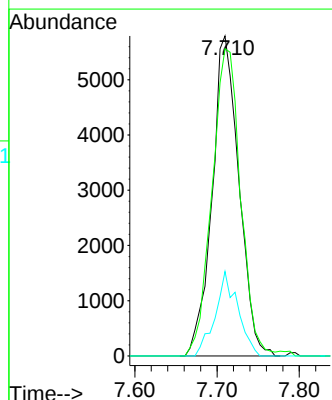
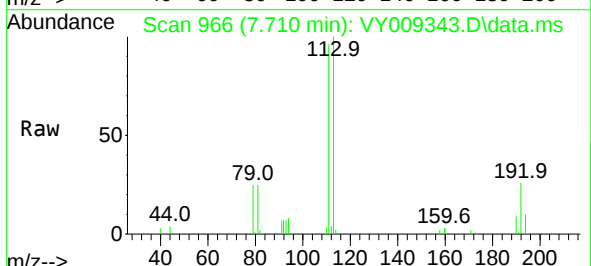
Tgt Ion:113 Resp: 13152

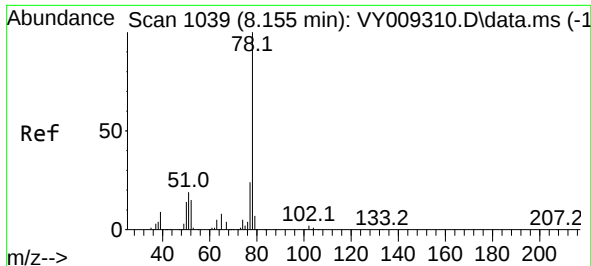
Ion Ratio Lower Upper

113 100

111 101.9 80.6 120.8

192 22.2 16.2 24.4

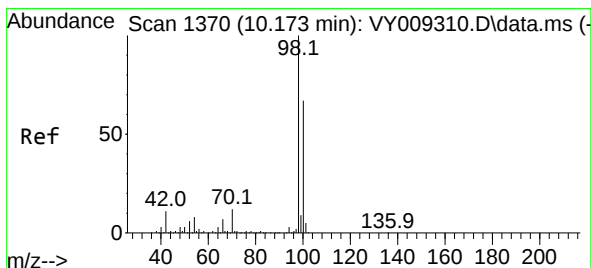
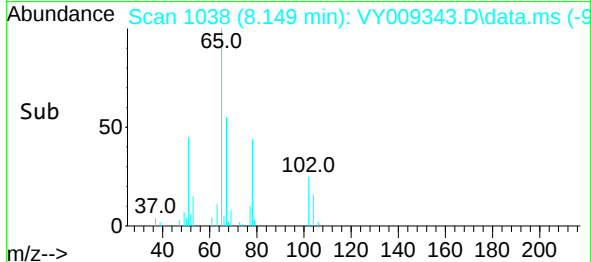
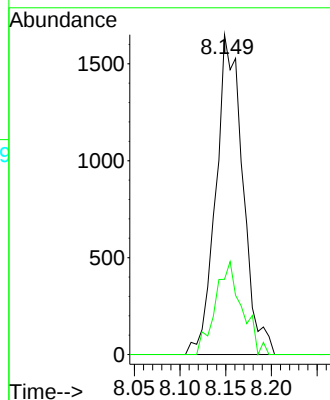
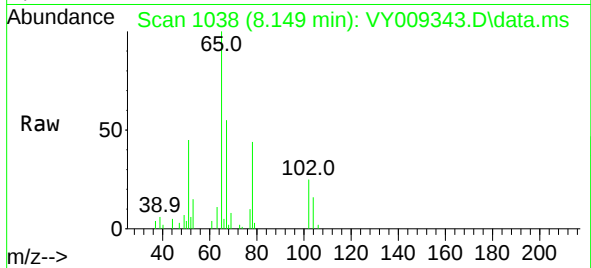




#40
Benzene
Concen: 2.585 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

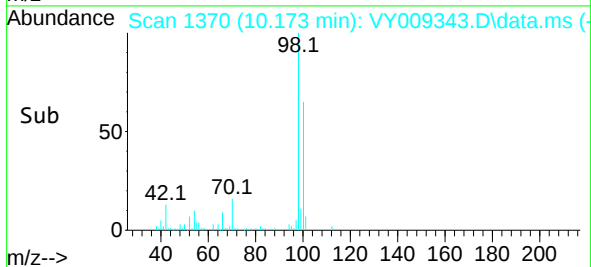
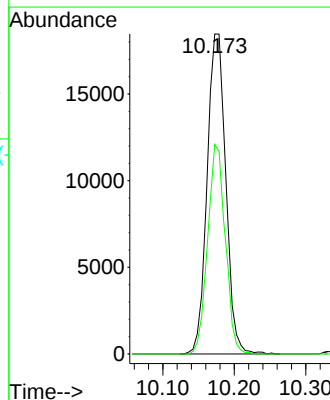
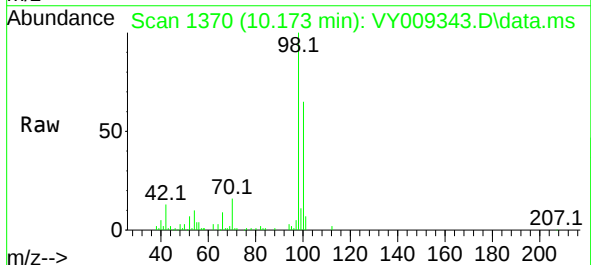
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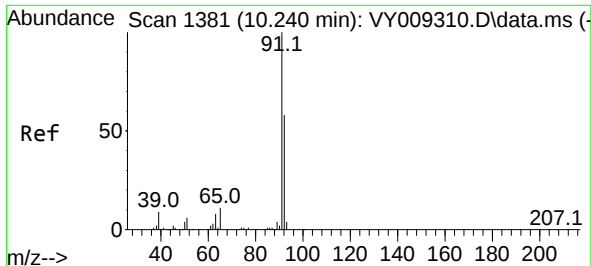
Tgt Ion: 78 Resp: 3371
Ion Ratio Lower Upper
78 100
77 23.5 19.4 29.0



#50
Toluene-d8
Concen: 42.420 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion: 98 Resp: 33525
Ion Ratio Lower Upper
98 100
100 61.7 52.9 79.3

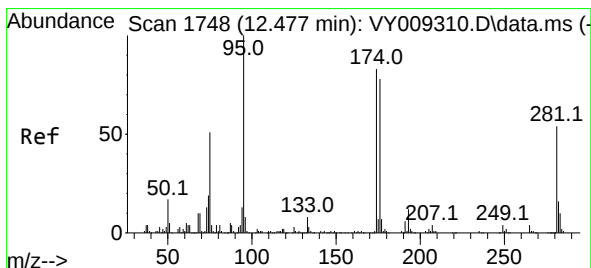
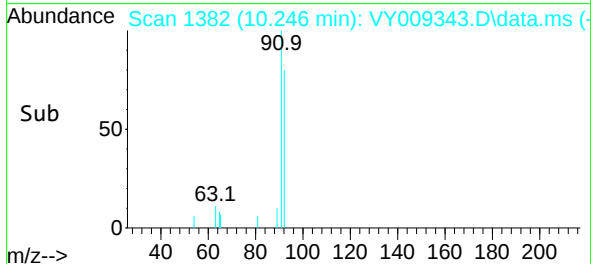
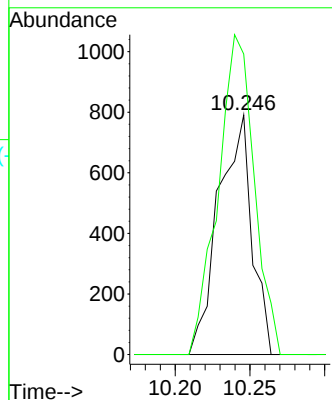
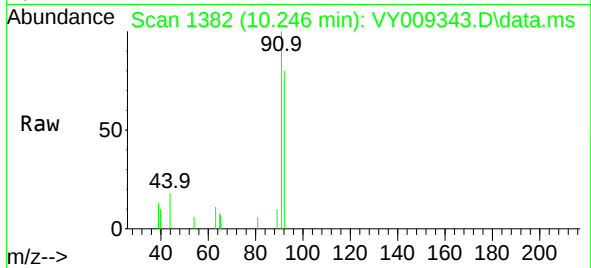




#52
Toluene
Concen: 1.517 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

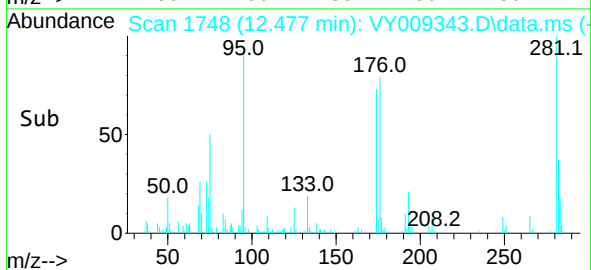
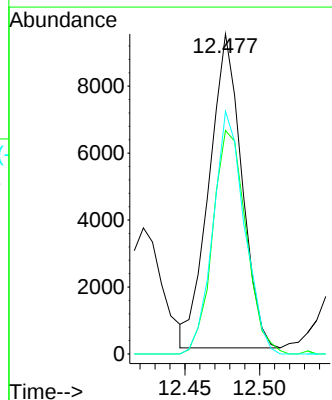
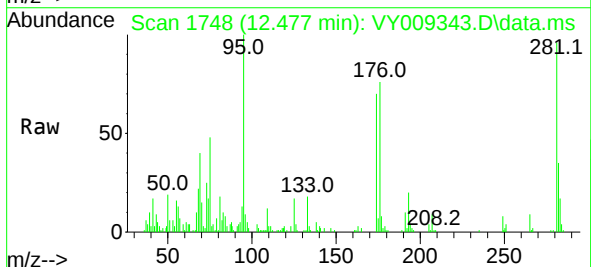
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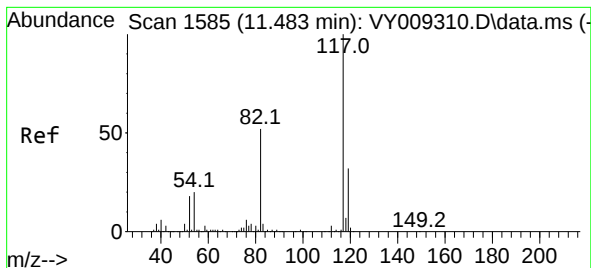
Tgt Ion: 92 Resp: 1226
Ion Ratio Lower Upper
92 100
91 145.0 138.7 208.1



#62
4-Bromofluorobenzene
Concen: 37.659 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion: 95 Resp: 14164
Ion Ratio Lower Upper
95 100
174 73.0 0.0 173.8
176 74.1 0.0 167.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

SP-EXC-2-3RE

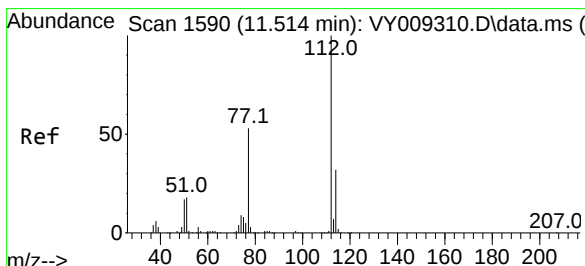
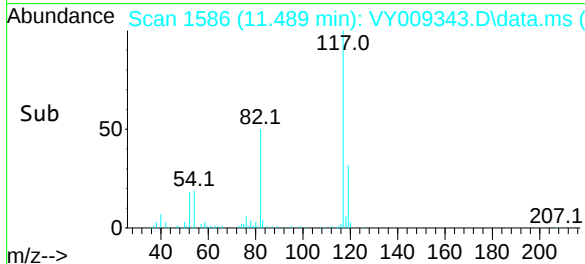
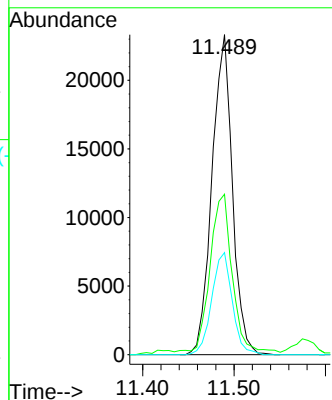
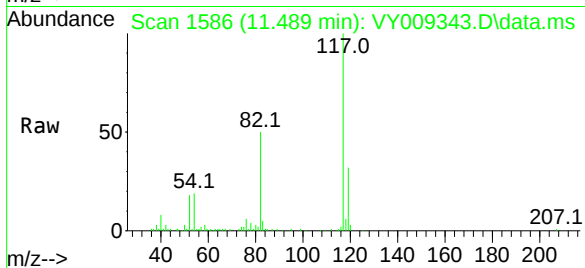
Tgt Ion:117 Resp: 36098

Ion Ratio Lower Upper

117 100

82 49.4 41.8 62.6

119 31.9 25.6 38.4



#65

Chlorobenzene

Concen: 1.890 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY009343.D

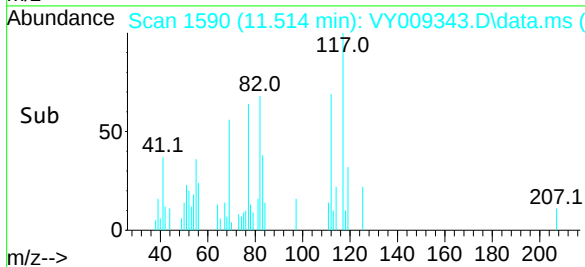
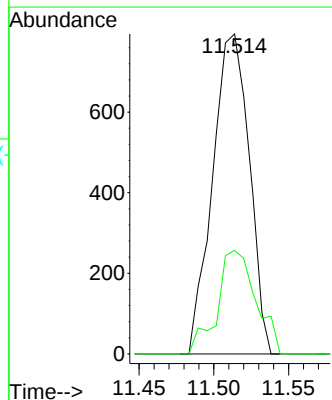
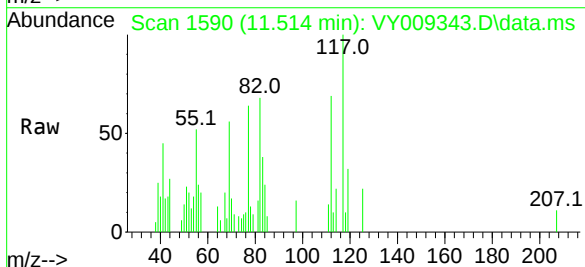
Acq: 27 Jun 2022 15:23

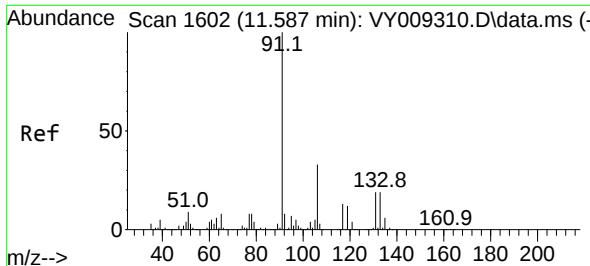
Tgt Ion:112 Resp: 1354

Ion Ratio Lower Upper

112 100

114 32.4 25.3 37.9

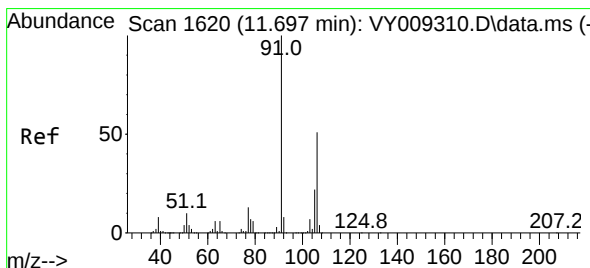
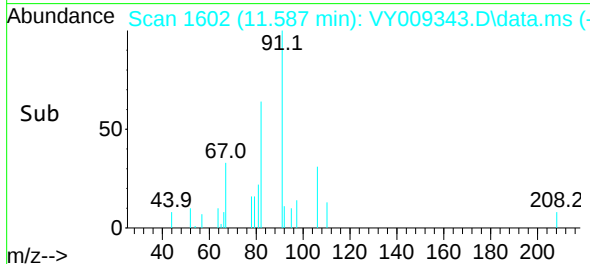
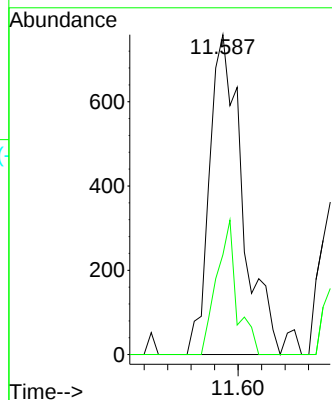
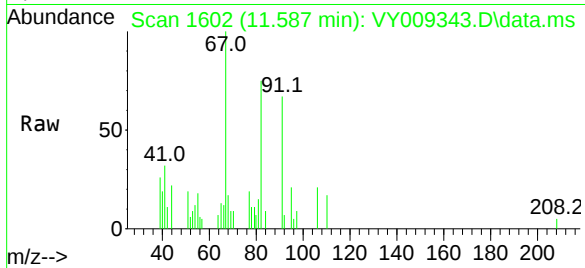




#67
Ethyl Benzene
Concen: 1.165 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

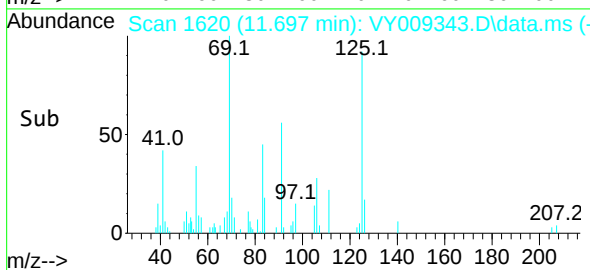
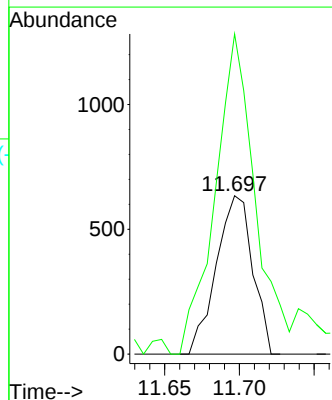
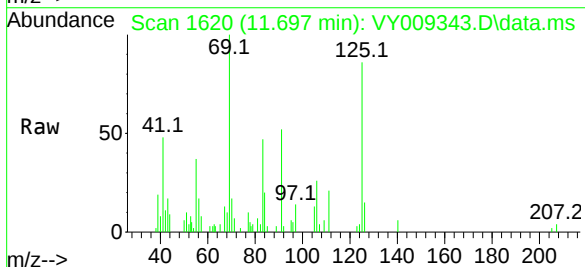
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

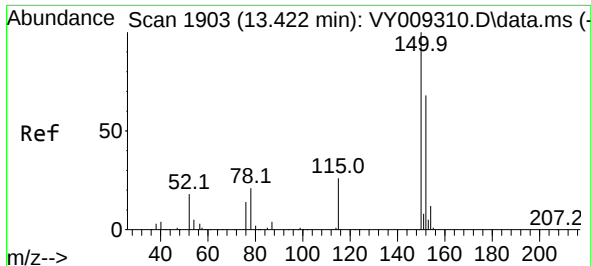
Tgt Ion: 91 Resp: 1473
Ion Ratio Lower Upper
91 100
106 31.2 26.2 39.4



#68
m/p-Xylenes
Concen: 2.156 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion:106 Resp: 1071
Ion Ratio Lower Upper
106 100
91 221.6 156.2 234.2

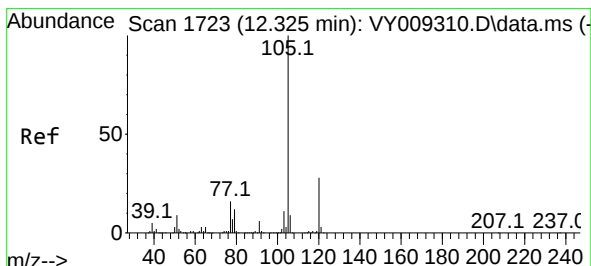
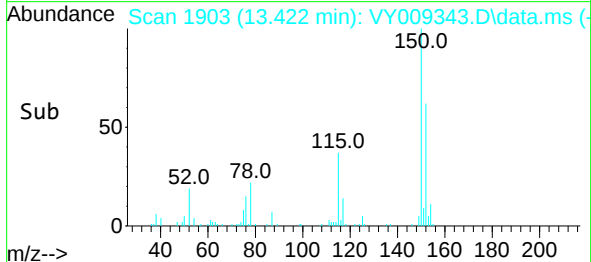
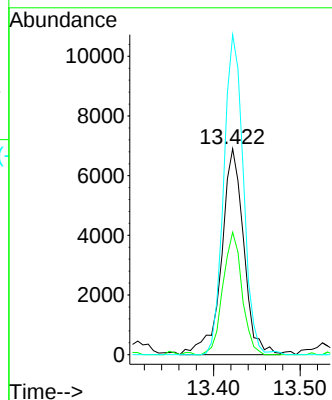
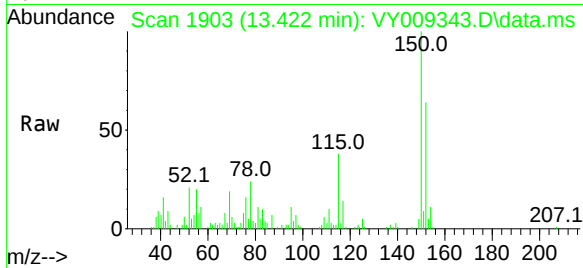




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

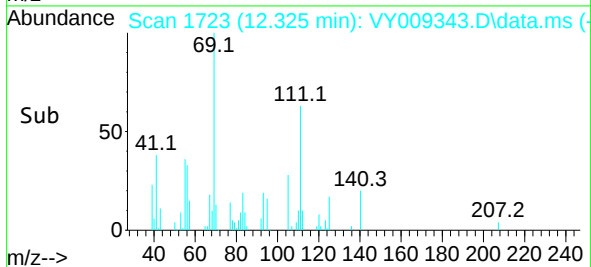
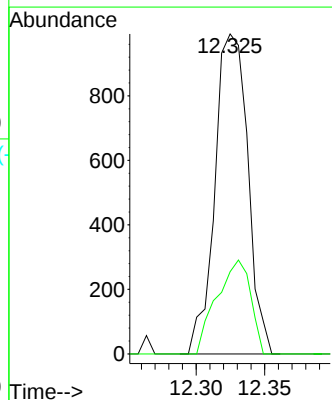
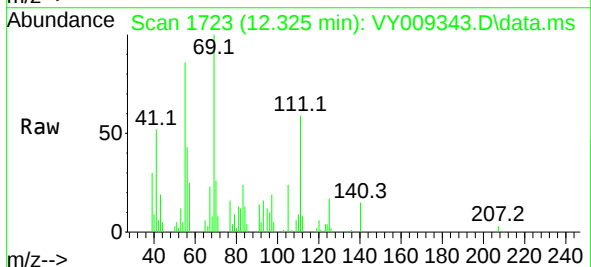
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

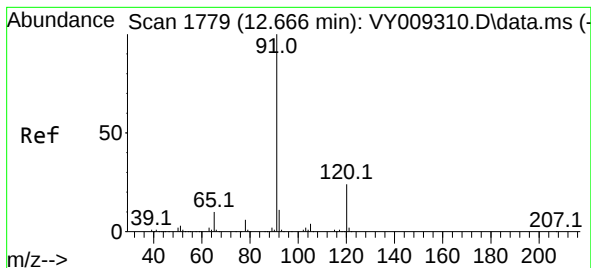
Tgt Ion:152 Resp: 12258
Ion Ratio Lower Upper
152 100
115 51.1 28.6 85.9
150 137.8 0.0 349.8



#73
Isopropylbenzene
Concen: 1.963 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion:105 Resp: 1659
Ion Ratio Lower Upper
105 100
120 30.1 13.7 41.1





#78

n-propylbenzene

Concen: 2.193 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

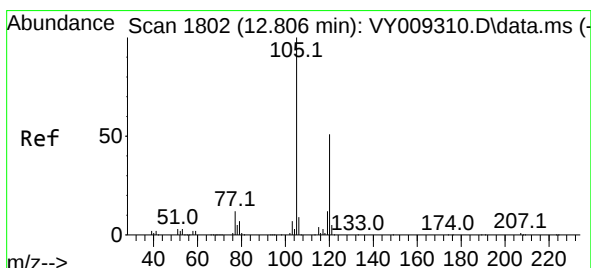
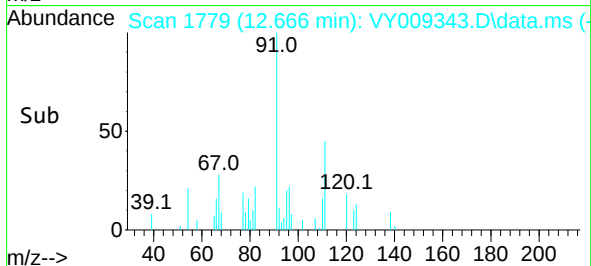
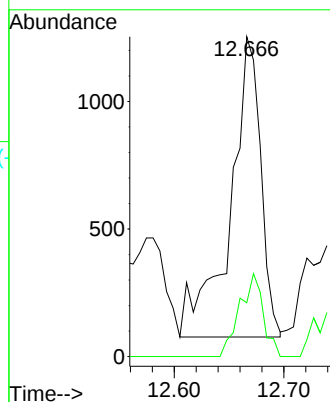
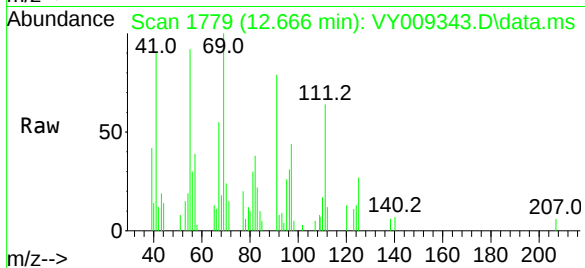
SP-EXC-2-3RE

Tgt Ion: 91 Resp: 2286

Ion Ratio Lower Upper

91 100

120 21.1 11.9 35.5



#80

1,3,5-Trimethylbenzene

Concen: 3.179 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VY009343.D

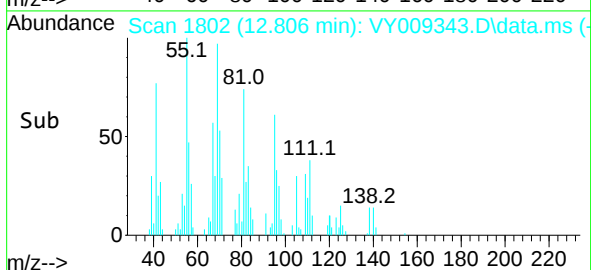
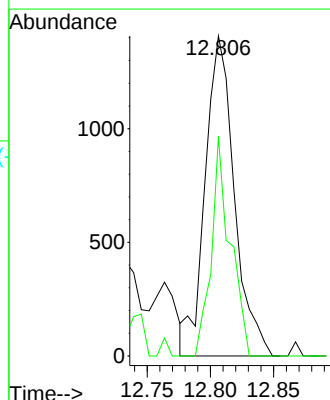
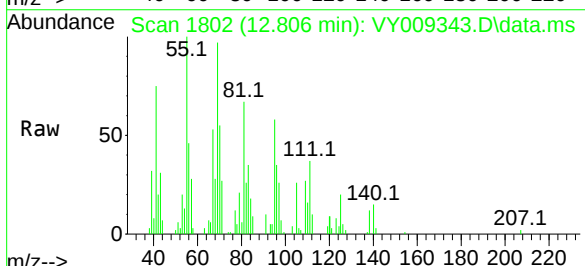
Acq: 27 Jun 2022 15:23

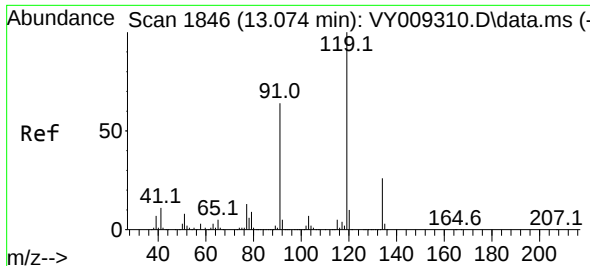
Tgt Ion: 105 Resp: 2263

Ion Ratio Lower Upper

105 100

120 44.2 25.3 75.8

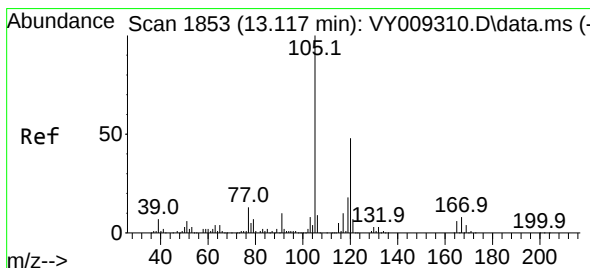
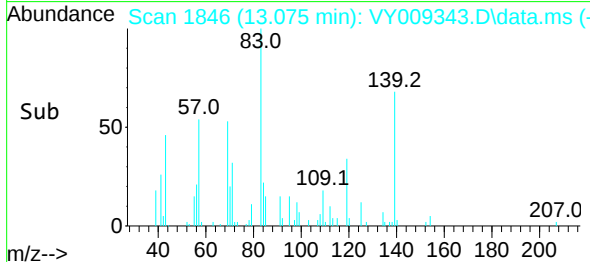
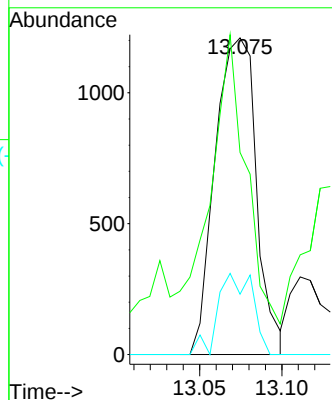
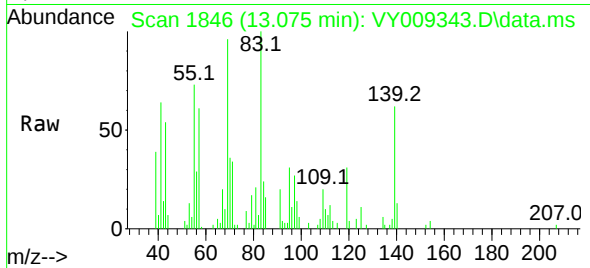




#83
tert-Butylbenzene
Concen: 3.393 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

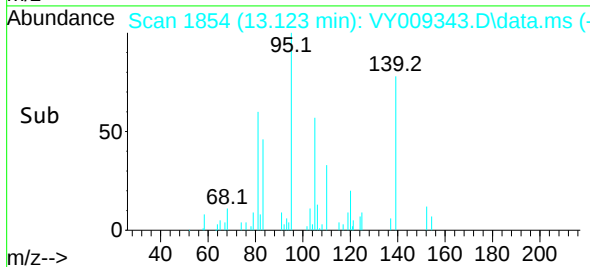
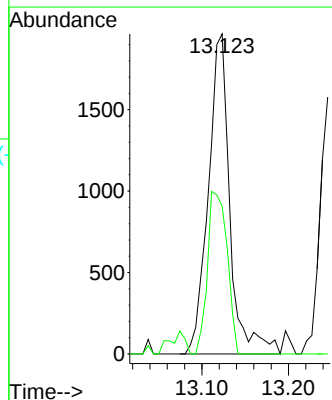
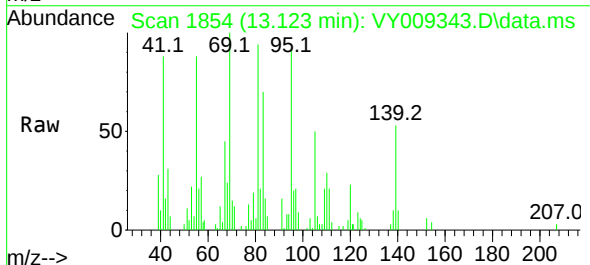
Instrument :
MSVOA_Y
ClientSampleId :
SP-EXC-2-3RE

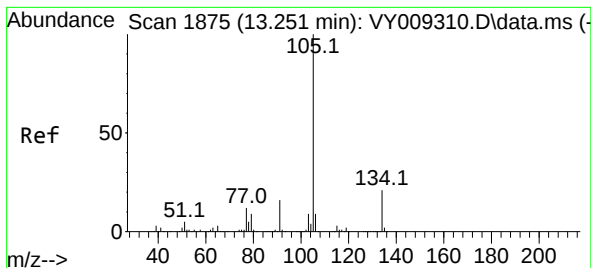
Tgt Ion:119 Resp: 2112
Ion Ratio Lower Upper
119 100
91 74.5 32.0 96.0
134 21.5 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 4.844 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY009343.D
Acq: 27 Jun 2022 15:23

Tgt Ion:105 Resp: 3400
Ion Ratio Lower Upper
105 100
120 46.1 23.4 70.3





#85

sec-Butylbenzene

Concen: 3.711 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

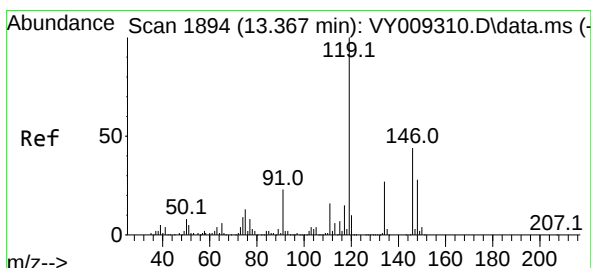
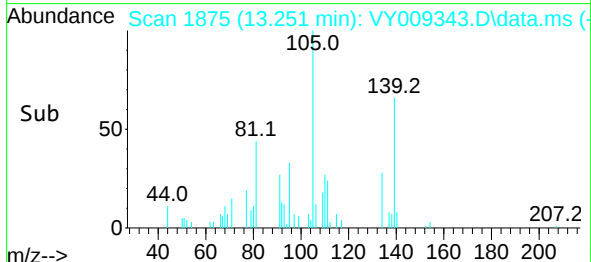
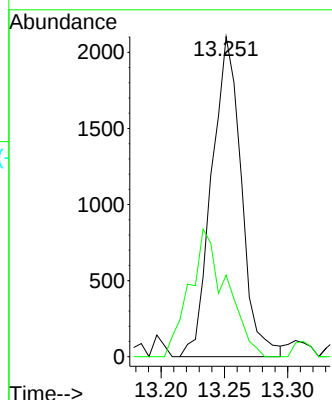
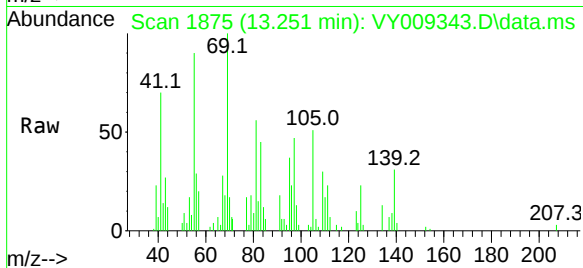
SP-EXC-2-3RE

Tgt Ion:105 Resp: 3427

Ion Ratio Lower Upper

105 100

134 49.5 10.5 31.6#



#86

p-Isopropyltoluene

Concen: 1.916 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. -0.006 min

Lab File: VY009343.D

Acq: 27 Jun 2022 15:23

Tgt Ion:119 Resp: 1464

Ion Ratio Lower Upper

119 100

134 28.3 13.5 40.4

91 32.0 11.6 34.8

