

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011322\
 Data File : VY007150.D
 Acq On : 13 Jan 2022 19:24
 Operator : SY/MD
 Sample : N1119-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EAST-AREA-BOTTOM

Quant Time: Jan 14 05:55:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

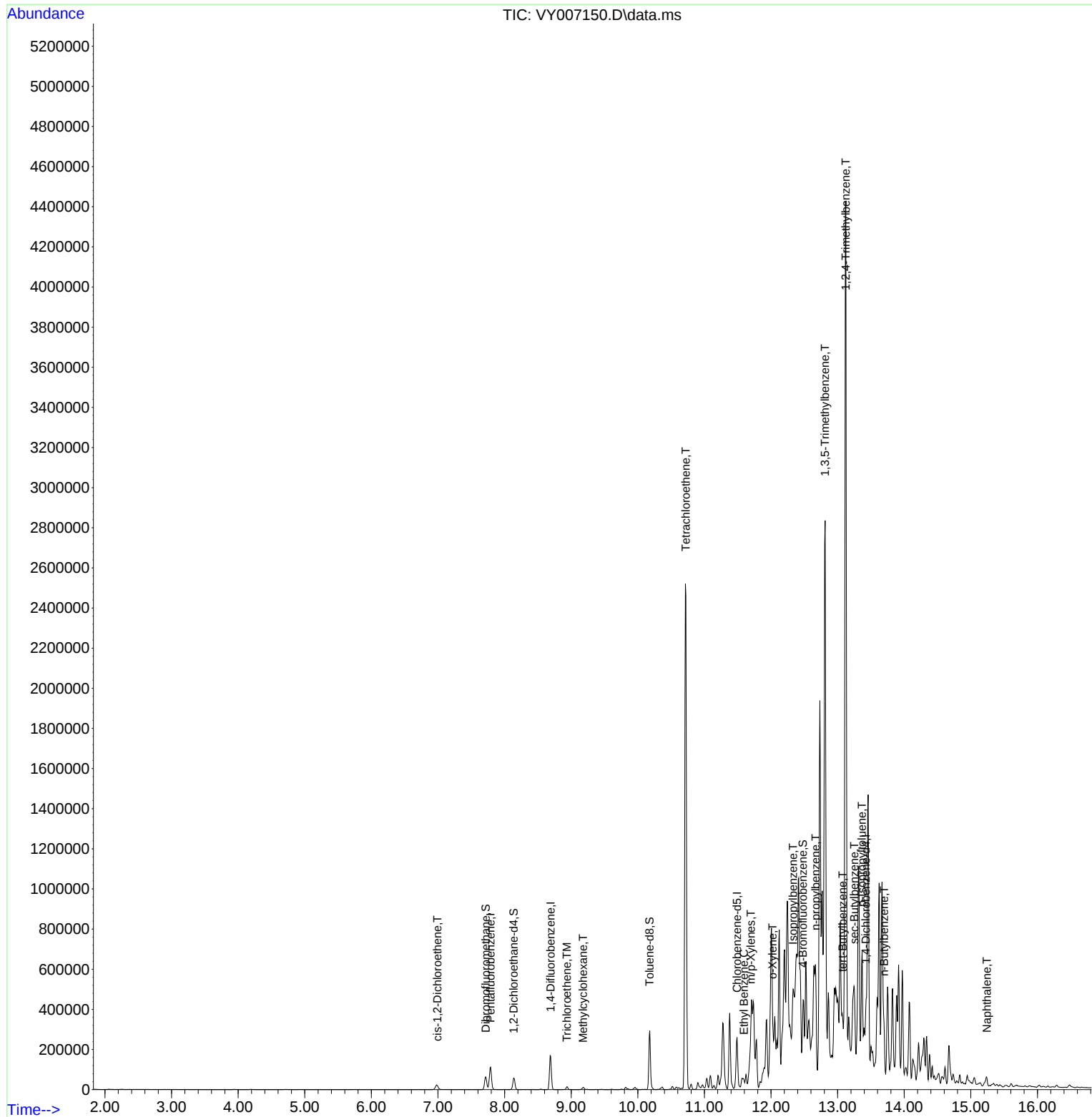
Internal Standards						
1) Pentafluorobenzene	7.789	168	81354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	144027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	128038	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46197	46.279	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	92.560%		
35) Dibromofluoromethane	7.716	113	45974	47.207	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.420%		
50) Toluene-d8	10.179	98	172139	48.374	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.740%		
62) 4-Bromofluorobenzene	12.477	95	76477	60.417	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	120.840%		
Target Compounds					Qvalue	
27) cis-1,2-Dichloroethene	6.990	96	8725	7.707	ug/l	96
39) Methylcyclohexane	9.179	83	4380	2.306	ug/l #	84
44) Trichloroethene	8.935	130	4693	4.180	ug/l	98
64) Tetrachloroethene	10.721	164	533368	577.929	ug/l	96
67) Ethyl Benzene	11.593	91	25014	4.754	ug/l	100
68) m/p-Xylenes	11.697	106	44906	22.965	ug/l	96
69) o-Xylene	12.026	106	7352	3.992	ug/l	70
73) Isopropylbenzene	12.331	105	107413	22.419	ug/l	97
78) n-propylbenzene	12.672	91	363790	61.252	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	910596	231.477	ug/l	99
83) tert-Butylbenzene	13.074	119	95192	28.005	ug/l	96
84) 1,2,4-Trimethylbenzene	13.123	105	2330313	597.624	ug/l	97
85) sec-Butylbenzene	13.251	105	183063	35.999	ug/l #	59
86) p-Isopropyltoluene	13.367	119	176811	42.309	ug/l	100
89) n-Butylbenzene	13.696	91	130539	31.725	ug/l #	77
95) Naphthalene	15.239	128	35267	15.039	ug/l	97

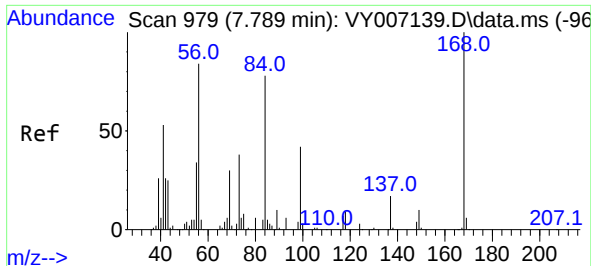
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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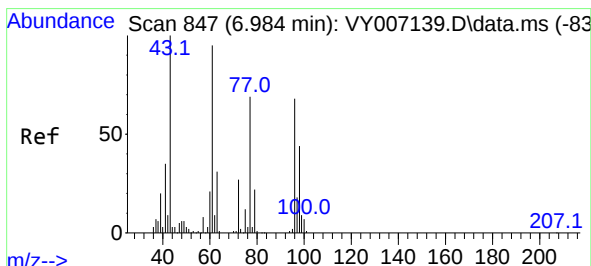
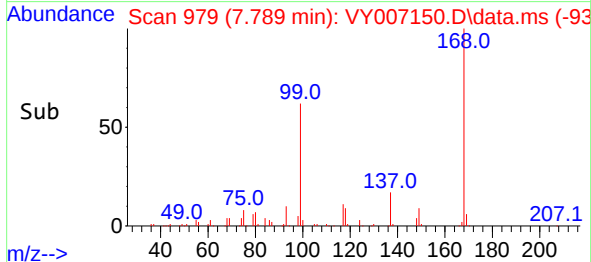
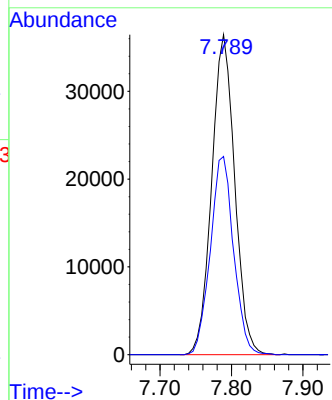
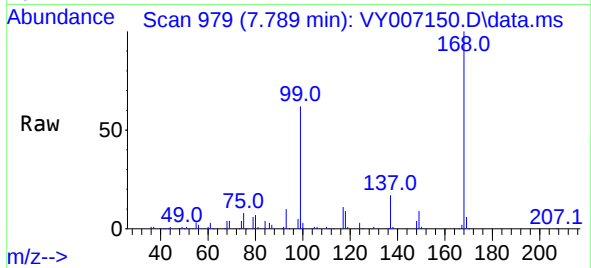




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

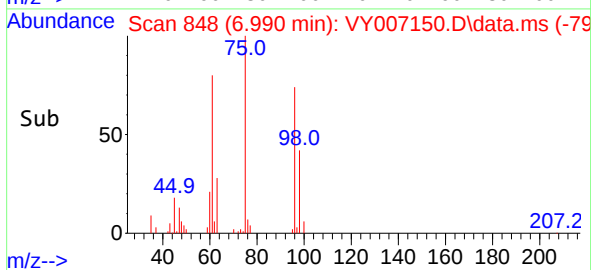
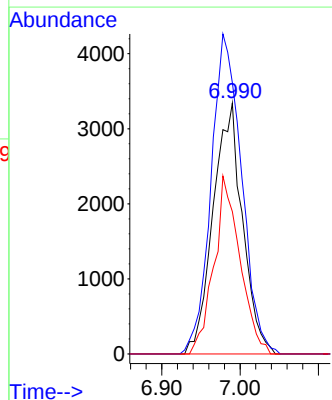
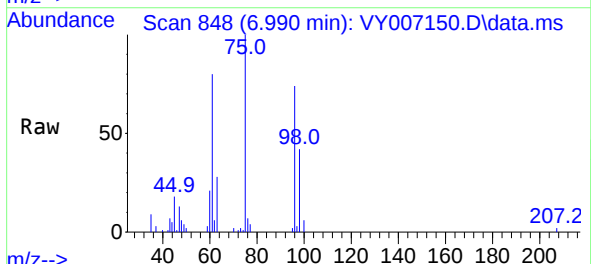
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

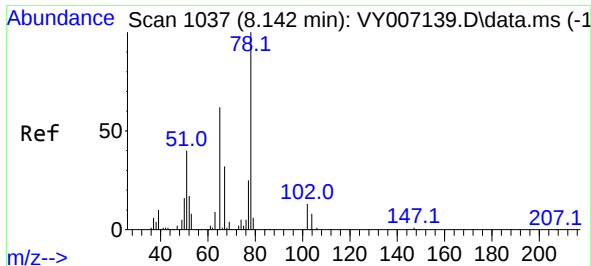
Tgt Ion:168 Resp: 81354
Ion Ratio Lower Upper
168 100
99 62.0 49.1 73.7



#27
cis-1,2-Dichloroethene
Concen: 7.707 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 96 Resp: 8725
Ion Ratio Lower Upper
96 100
61 132.1 0.0 276.8
98 62.7 0.0 127.8

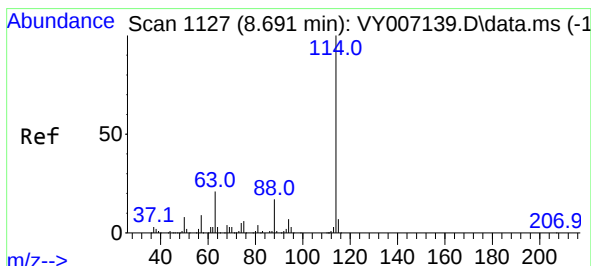
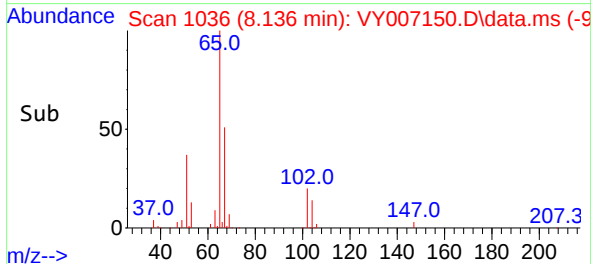
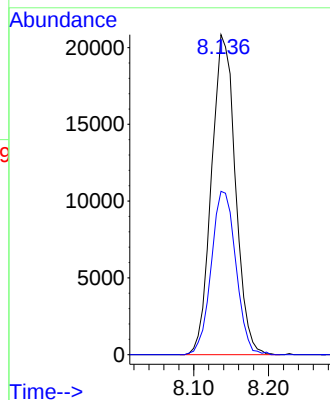
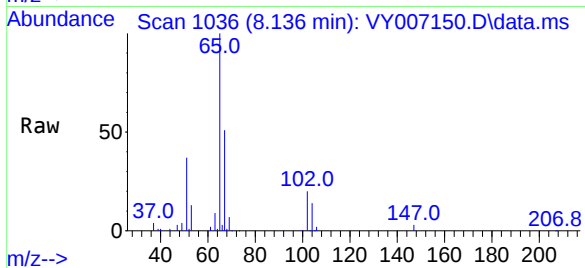




#33
1,2-Dichloroethane-d4
Concen: 46.279 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

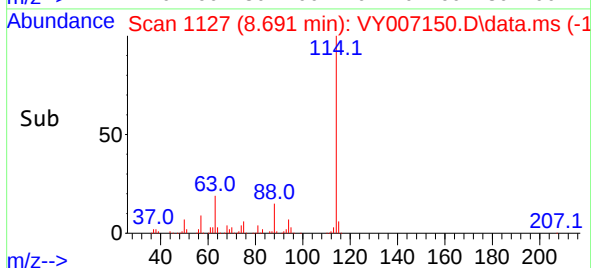
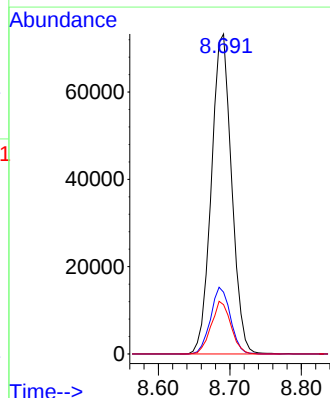
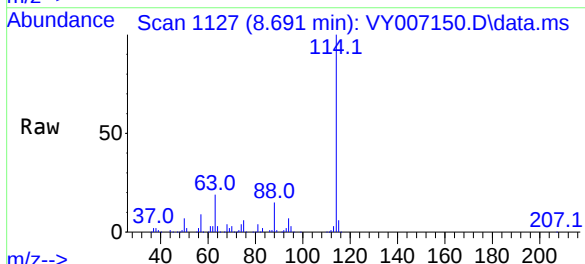
Instrument :
MSVOA_Y
ClientSampleId :
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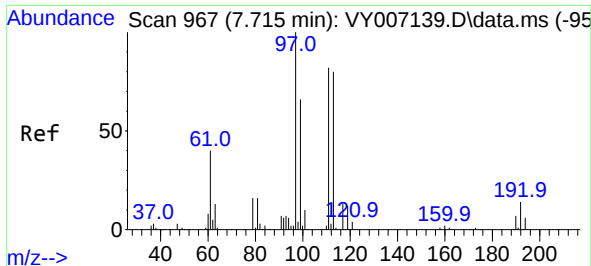
Tgt Ion: 65 Resp: 46197
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 114 Resp: 144027
Ion Ratio Lower Upper
114 100
63 19.3 0.0 39.2
88 15.4 0.0 31.0

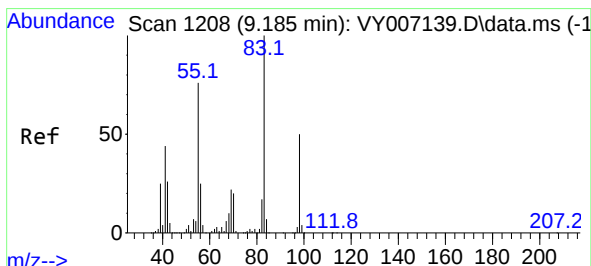
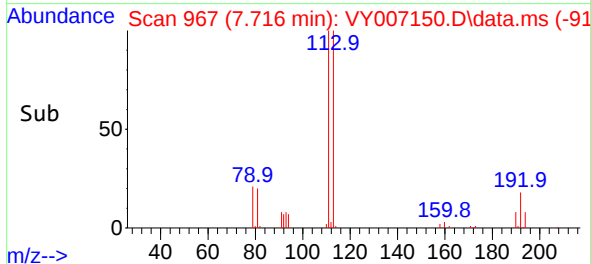
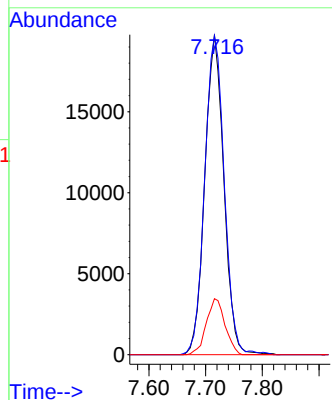
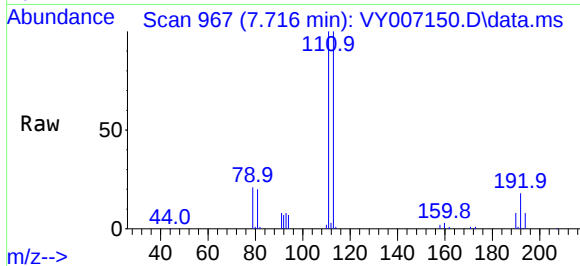




#35
Dibromofluoromethane
Concen: 47.207 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

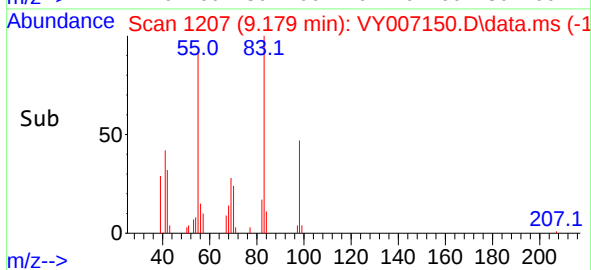
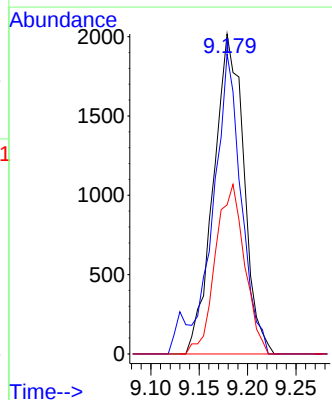
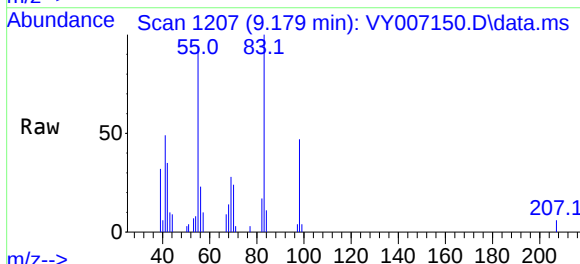
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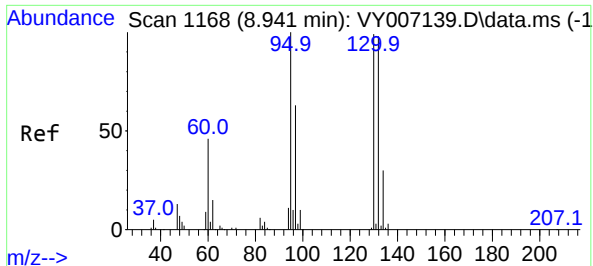
Tgt Ion:113 Resp: 45974
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 17.2 14.2 21.4



#39
Methylcyclohexane
Concen: 2.306 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 83 Resp: 4380
Ion Ratio Lower Upper
83 100
55 93.8 58.8 88.2#
98 46.6 38.7 58.1

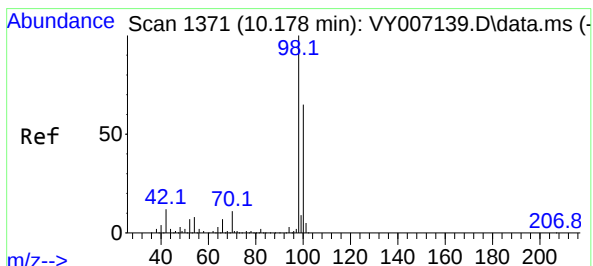
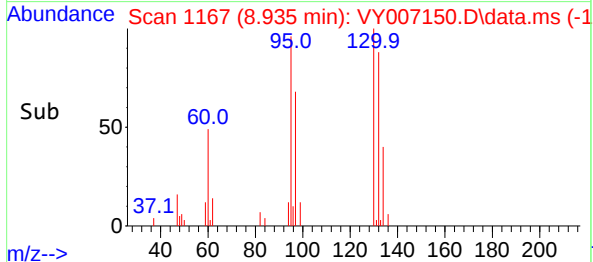
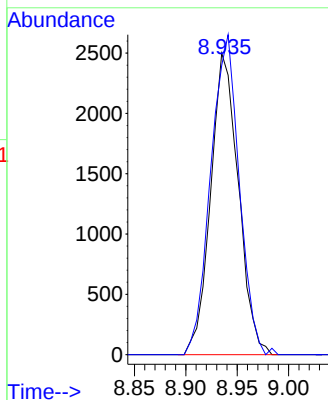
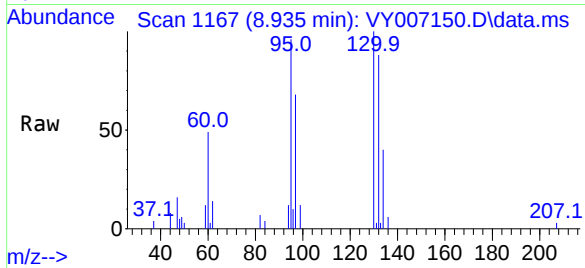




#44
Trichloroethene
Concen: 4.180 ug/l
RT: 8.935 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

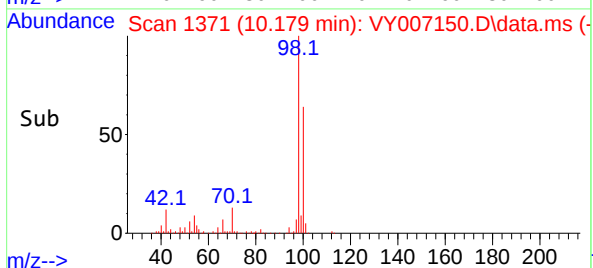
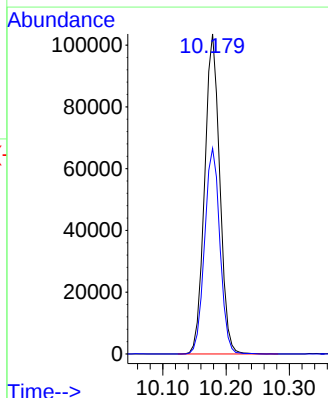
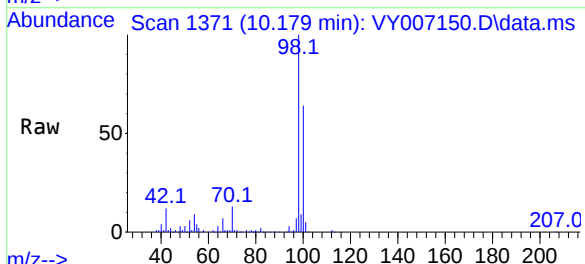
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ClientSampleId :
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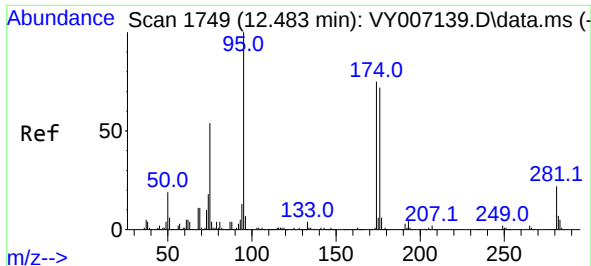
Tgt Ion:130 Resp: 4693
Ion Ratio Lower Upper
130 100
95 96.0 0.0 196.6



#50
Toluene-d8
Concen: 48.374 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 98 Resp: 172139
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

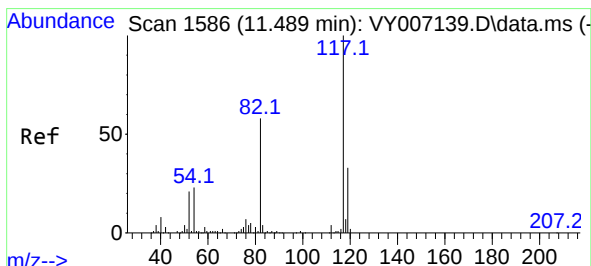
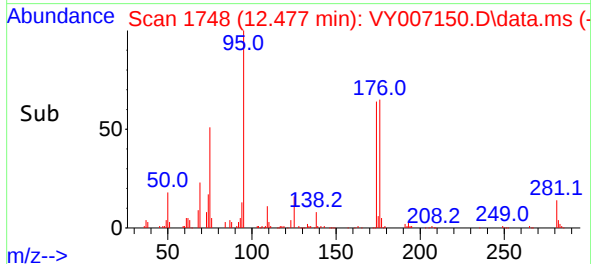
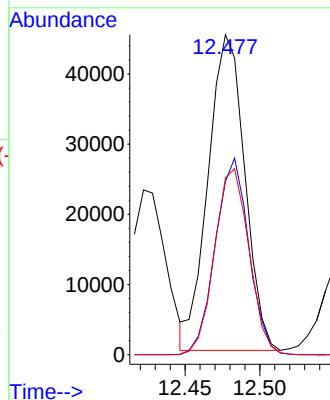
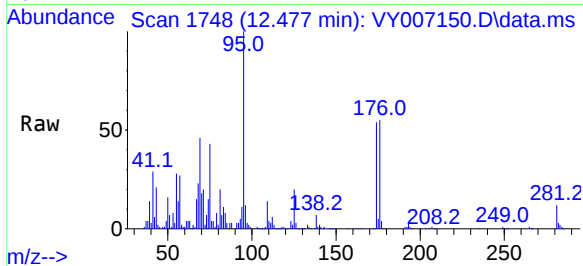




#62
4-Bromofluorobenzene
Concen: 60.417 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

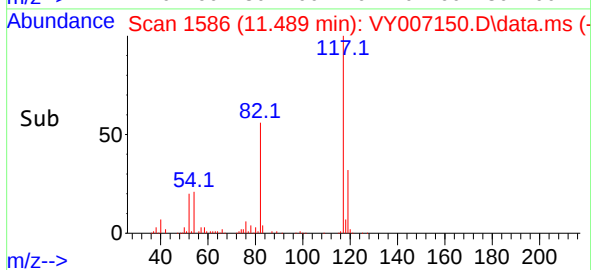
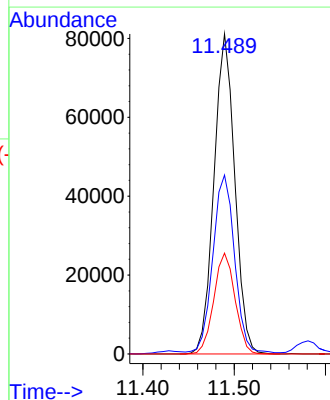
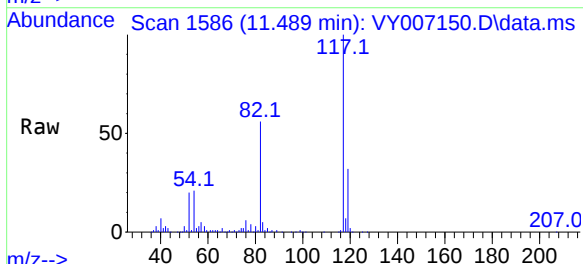
Instrument :
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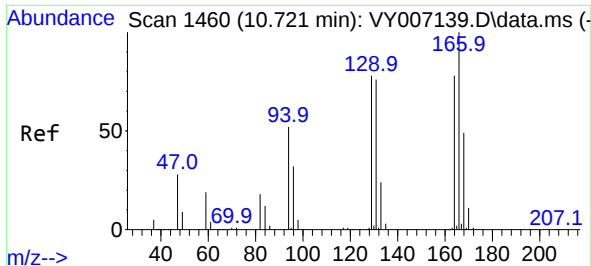
Tgt Ion: 95 Resp: 76477
Ion Ratio Lower Upper
95 100
174 57.0 0.0 148.4
176 55.5 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 117 Resp: 128038
Ion Ratio Lower Upper
117 100
82 55.5 45.4 68.0
119 31.5 26.4 39.6

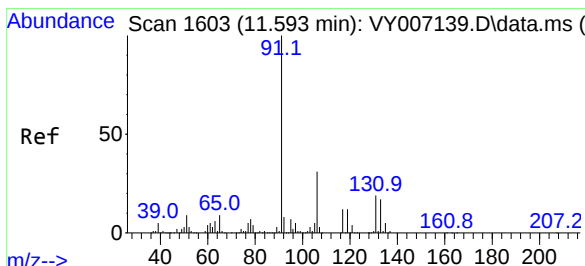
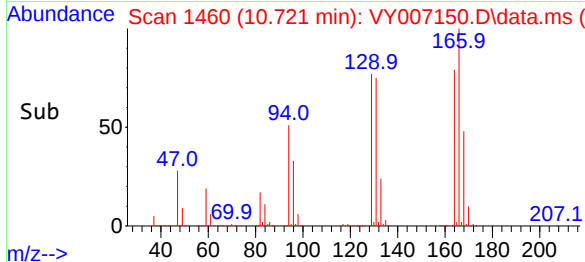
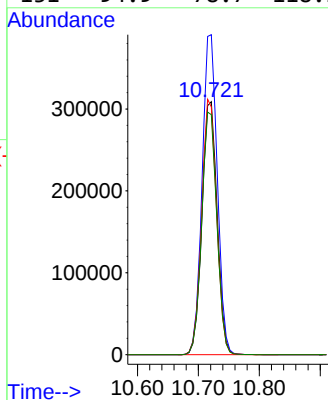
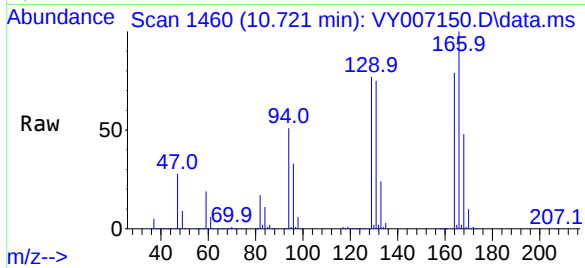




#64
Tetrachloroethene
Concen: 577.929 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

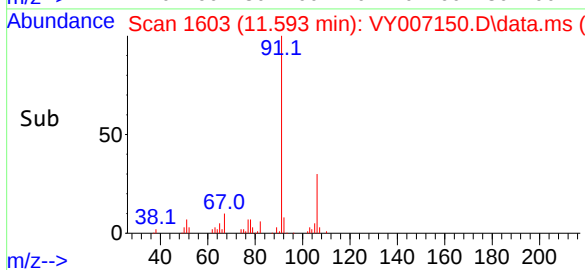
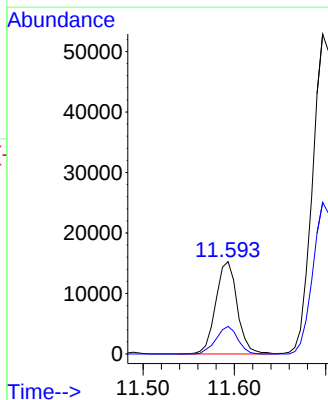
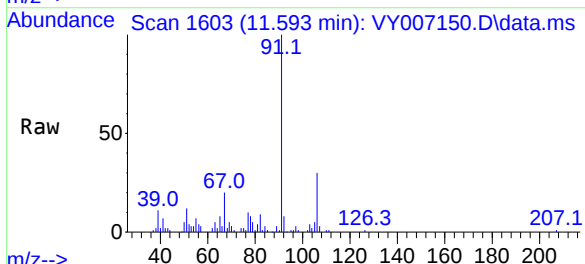
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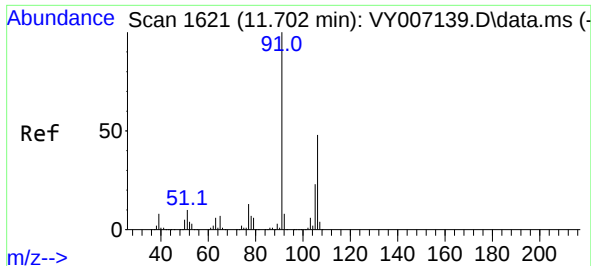
Tgt Ion:164 Resp: 533368
Ion Ratio Lower Upper
164 100
166 126.5 102.6 154.0
129 97.9 84.6 127.0
131 94.9 78.7 118.1



#67
Ethyl Benzene
Concen: 4.754 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion: 91 Resp: 25014
Ion Ratio Lower Upper
91 100
106 29.9 23.9 35.9

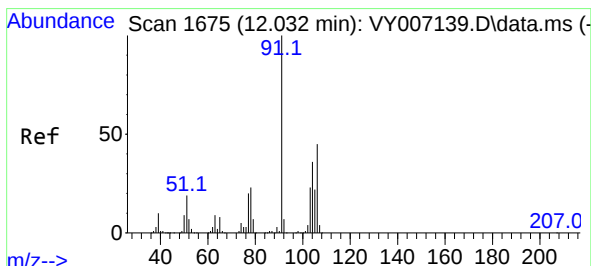
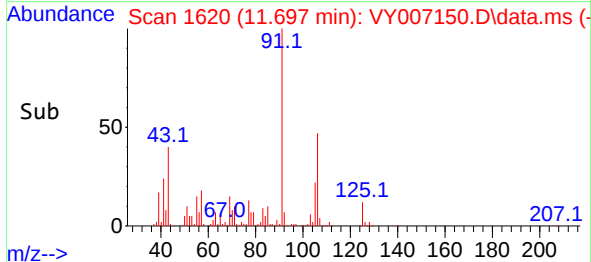
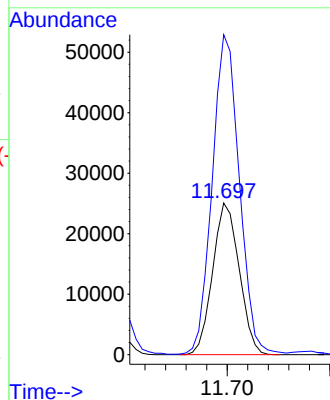
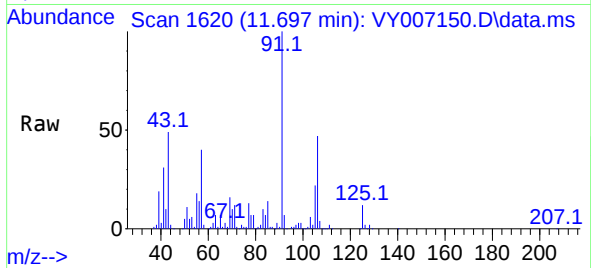




#68
m/p-Xylenes
Concen: 22.965 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

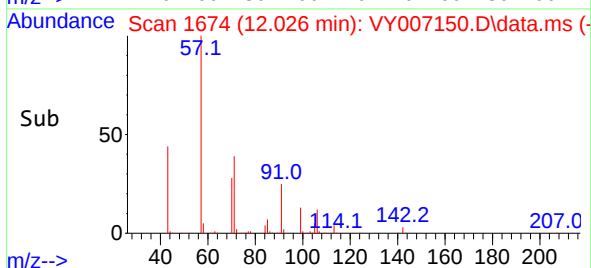
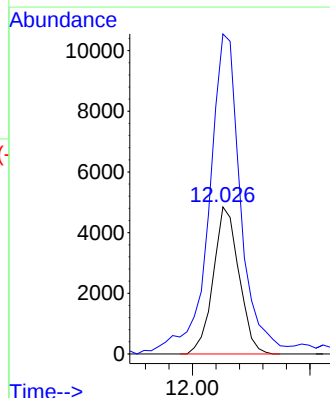
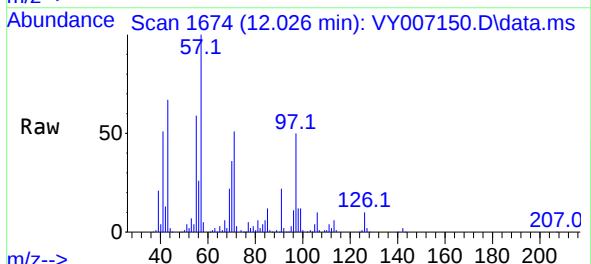
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

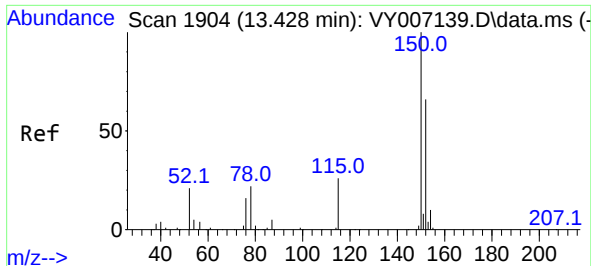
Tgt Ion:106 Resp: 44906
Ion Ratio Lower Upper
106 100
91 214.7 167.1 250.7



#69
o-Xylene
Concen: 3.992 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion:106 Resp: 7352
Ion Ratio Lower Upper
106 100
91 268.3 109.9 329.6

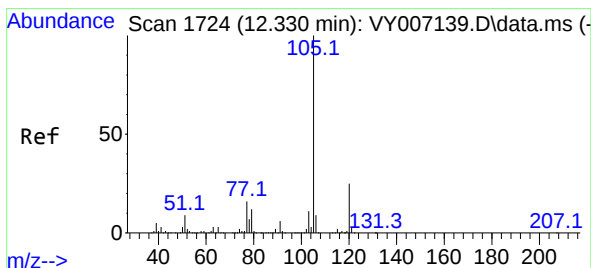
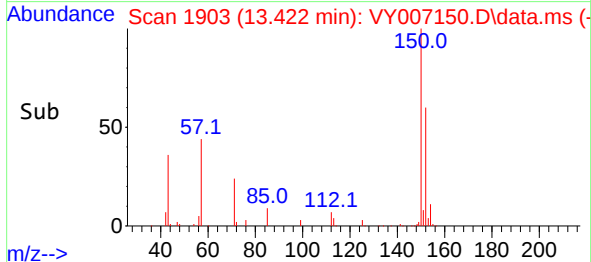
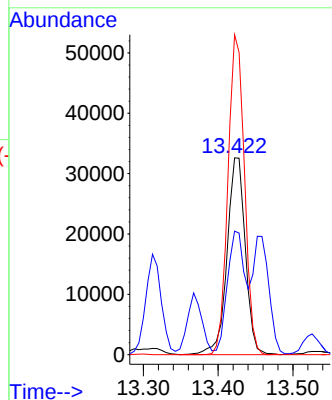
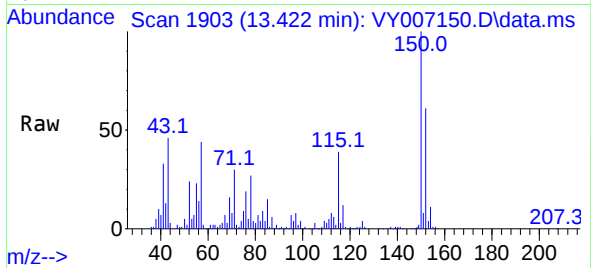




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

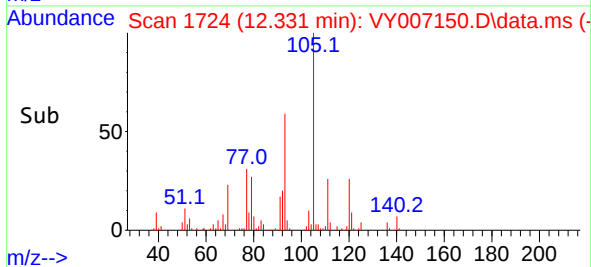
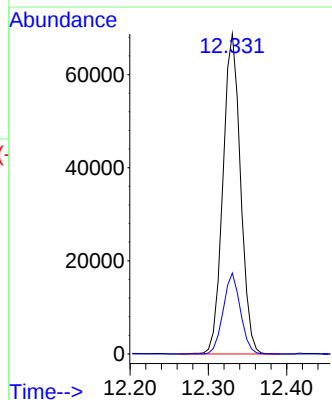
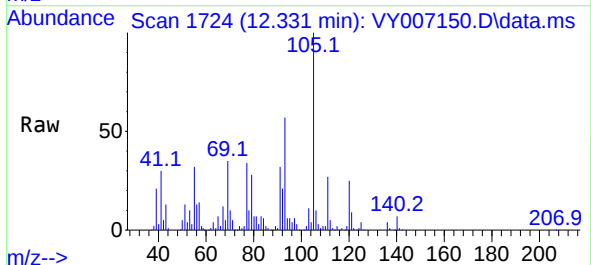
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

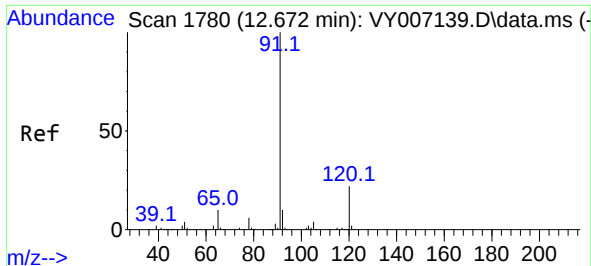
Tgt Ion:152 Resp: 55471
Ion Ratio Lower Upper
152 100
115 58.5 31.4 94.0
150 146.5 0.0 348.4



#73
Isopropylbenzene
Concen: 22.419 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion:105 Resp: 107413
Ion Ratio Lower Upper
105 100
120 24.6 13.1 39.1

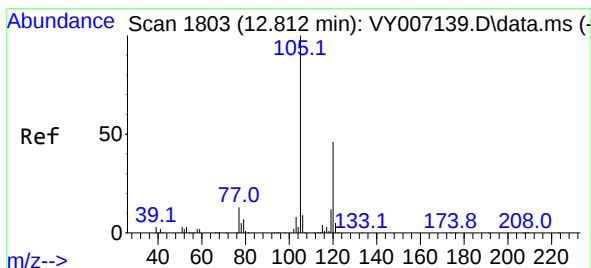
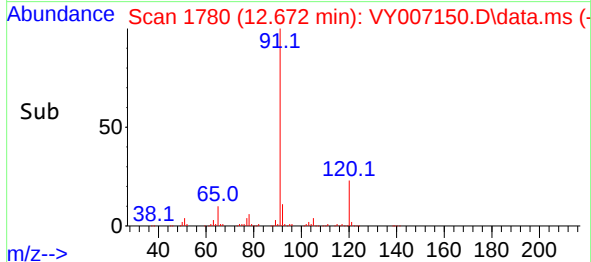
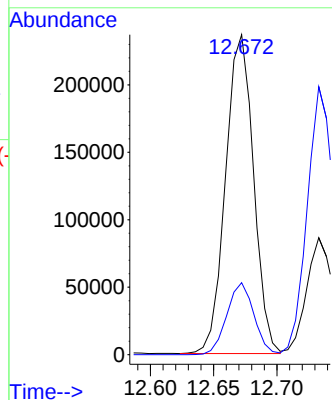
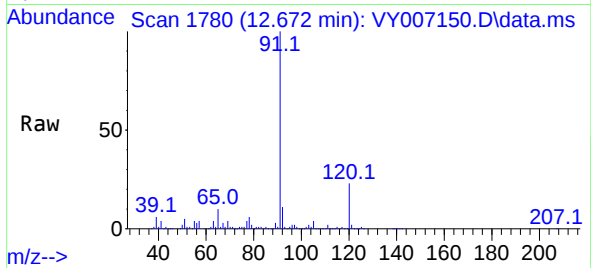




#78
n-propylbenzene
Concen: 61.252 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

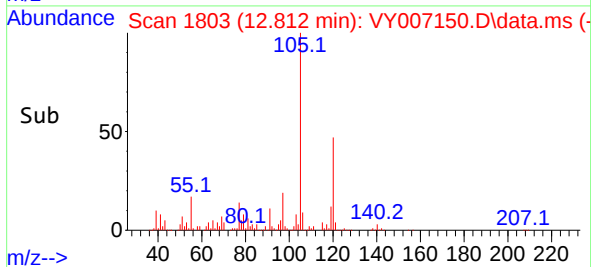
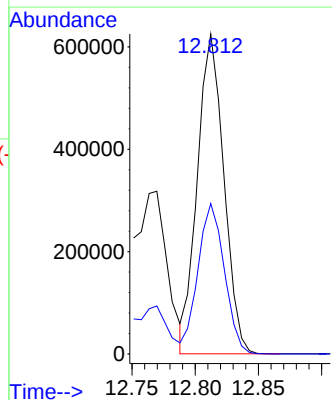
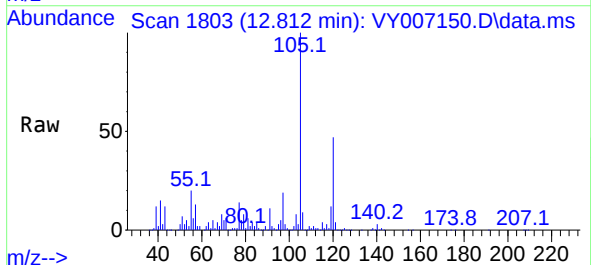
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

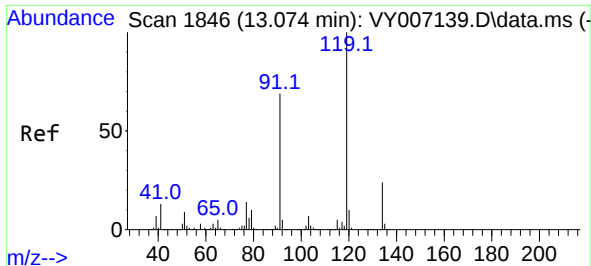
Tgt Ion: 91 Resp: 363790
Ion Ratio Lower Upper
91 100
120 21.9 11.2 33.5



#80
1,3,5-Trimethylbenzene
Concen: 231.477 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion:105 Resp: 910596
Ion Ratio Lower Upper
105 100
120 47.1 23.7 71.1

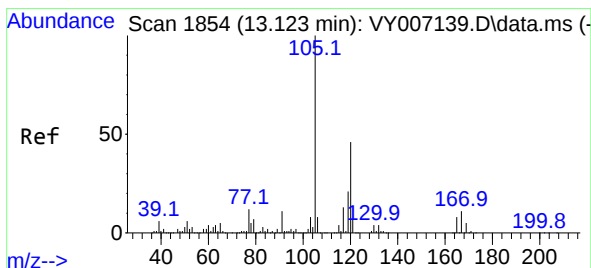
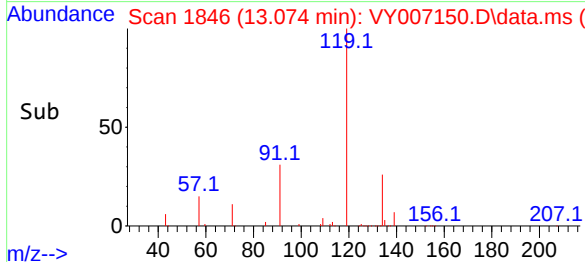
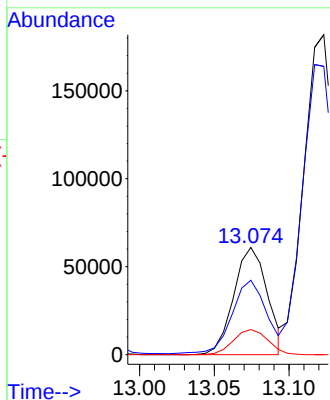
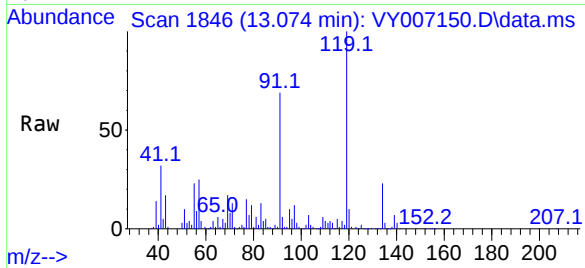




#83
tert-Butylbenzene
Concen: 28.005 ug/l
RT: 13.074 min Scan# 1846
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

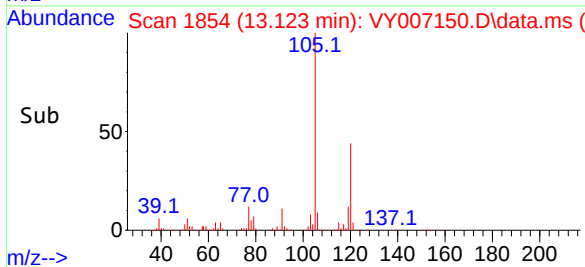
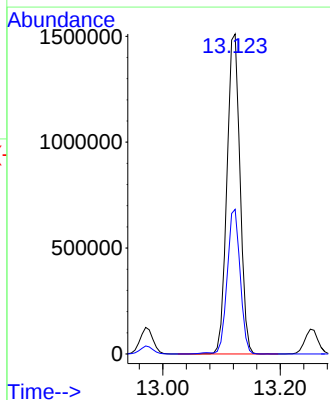
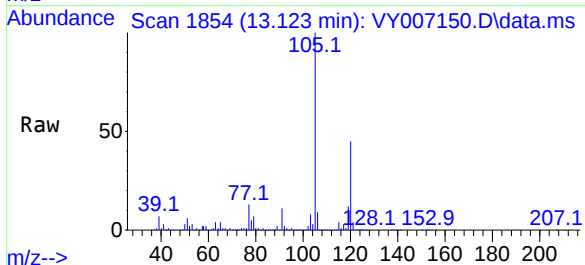
Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

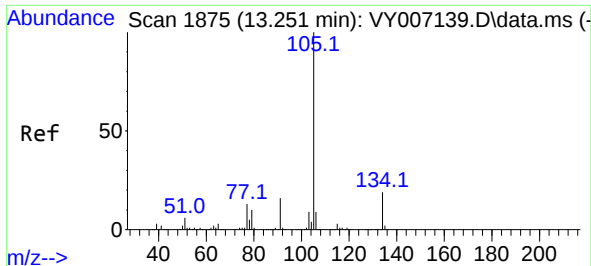
Tgt Ion:119 Resp: 95192
Ion Ratio Lower Upper
119 100
91 69.7 33.1 99.5
134 24.0 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 597.624 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion:105 Resp: 2330313
Ion Ratio Lower Upper
105 100
120 45.0 21.6 64.6

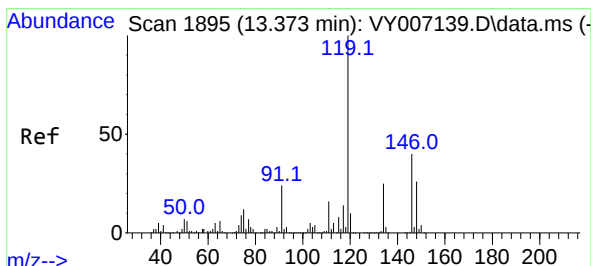
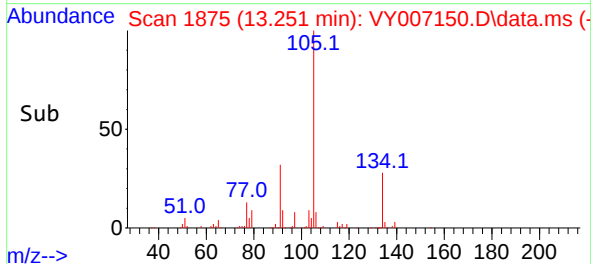
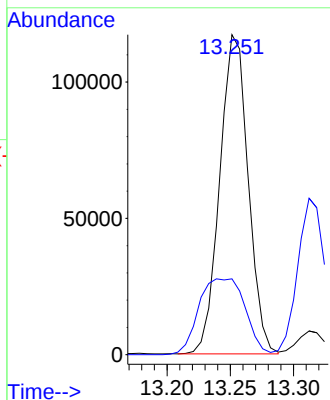
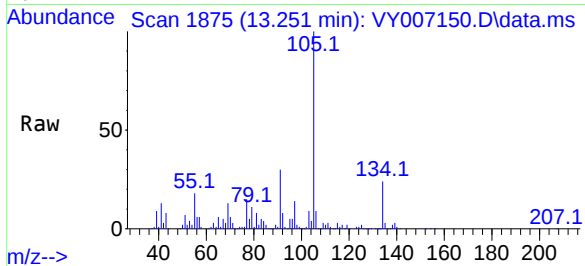




#85
 sec-Butylbenzene
 Concen: 35.999 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY007150.D
 Acq: 13 Jan 2022 19:24

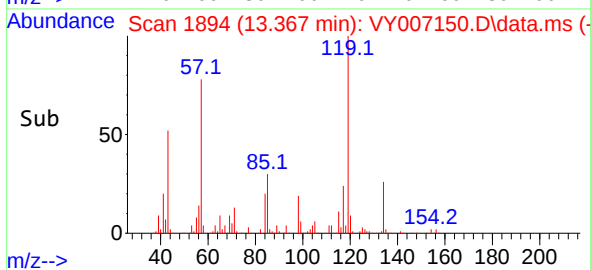
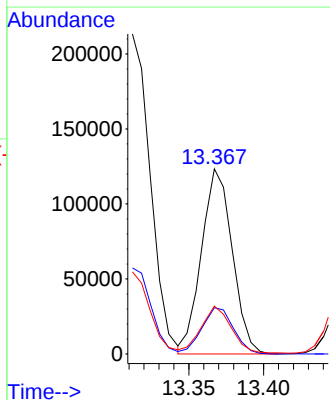
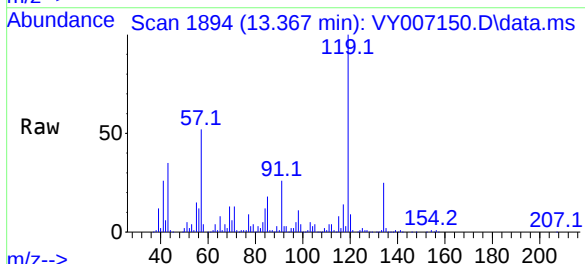
Instrument :
 MSVOA_Y
 ClientSampleId :
 EAST-AREA-BOTTOM

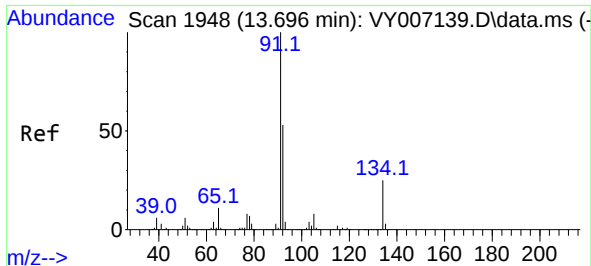
Tgt Ion:105 Resp: 183063
 Ion Ratio Lower Upper
 105 100
 134 38.7 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 42.309 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.006 min
 Lab File: VY007150.D
 Acq: 13 Jan 2022 19:24

Tgt Ion:119 Resp: 176811
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.7
 91 24.7 12.4 37.2

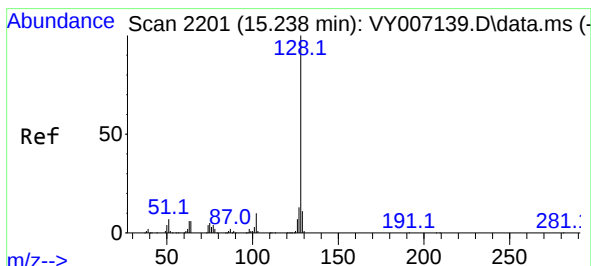
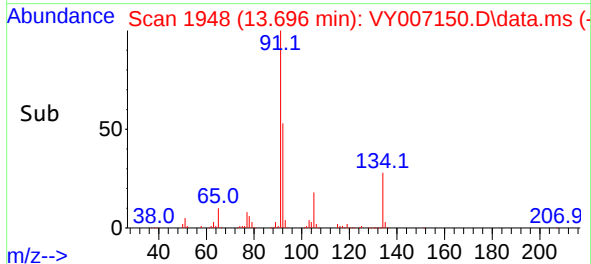
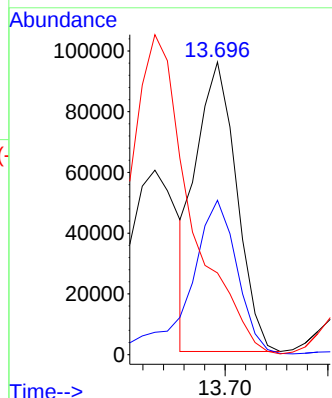
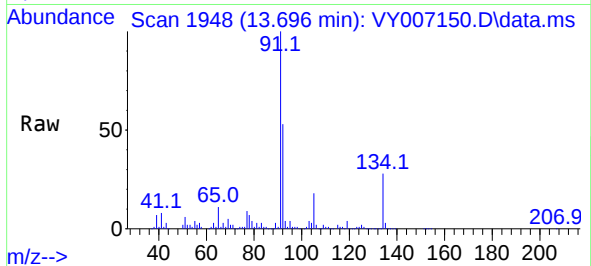




#89
n-Butylbenzene
Concen: 31.725 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Instrument :
MSVOA_Y
ClientSampleId :
EAST-AREA-BOTTOM

Tgt Ion: 91 Resp: 130539
Ion Ratio Lower Upper
91 100
92 61.6 26.9 80.6
134 0.0 12.6 37.6#



#95
Naphthalene
Concen: 15.039 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007150.D
Acq: 13 Jan 2022 19:24

Tgt Ion:128 Resp: 35267
Ion Ratio Lower Upper
128 100
127 14.4 10.3 15.5
129 12.2 8.9 13.3

