

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022422\
 Data File : VY007619.D
 Acq On : 24 Feb 2022 15:29
 Operator : SY/MD
 Sample : N1634-01RE
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071

Quant Time: Feb 25 05:42:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022322S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 24 07:13:58 2022
 Response via : Initial Calibration

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

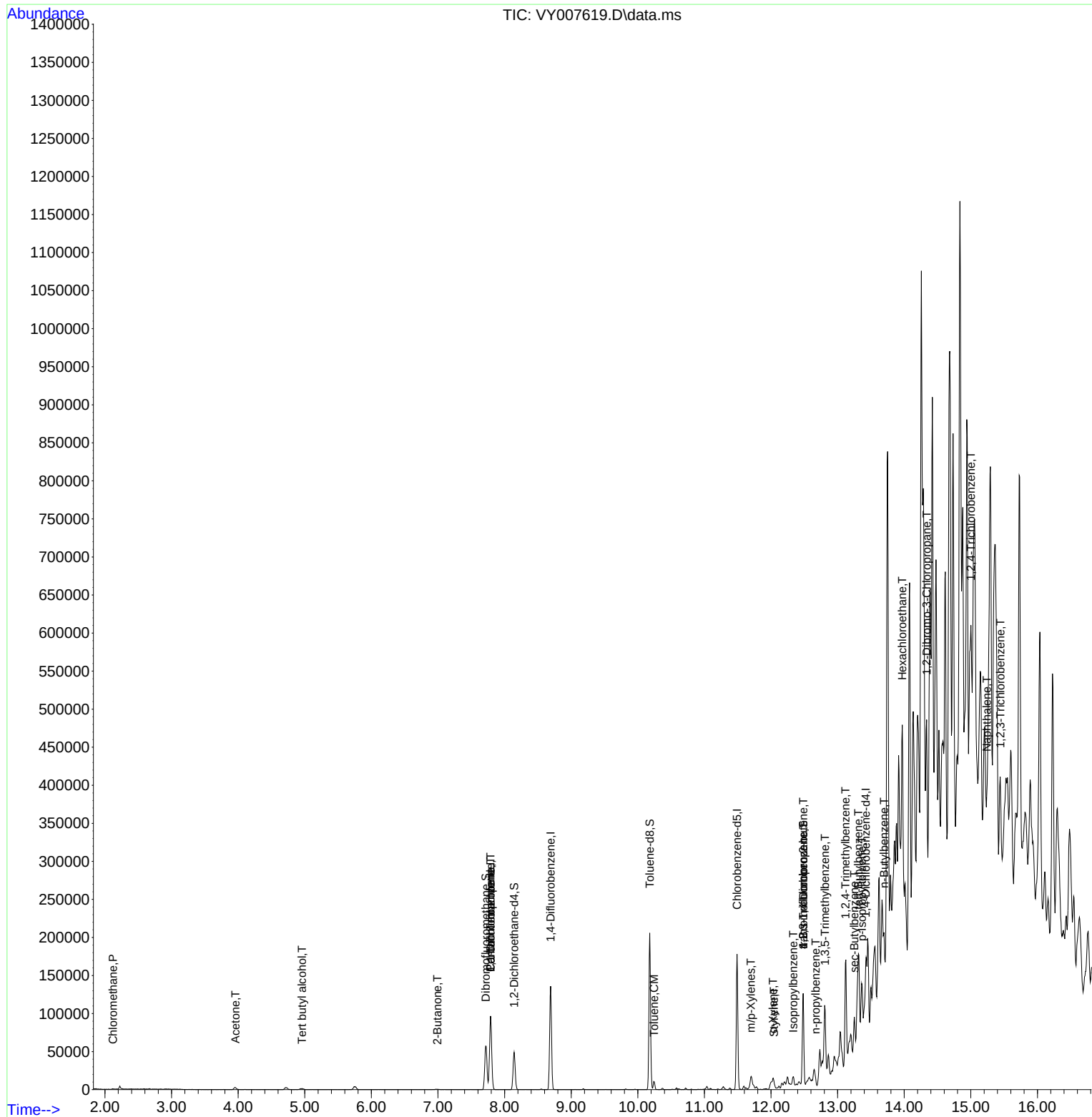
Internal Standards						
1) Pentafluorobenzene	7.789	168	72797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	116686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	94656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	23114	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	39415	48.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.340%		
35) Dibromofluoromethane	7.716	113	36884	50.096	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.200%		
50) Toluene-d8	10.179	98	128282	47.312	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.620%		
62) 4-Bromofluorobenzene	12.483	95	29913	32.131	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	64.260%		
Target Compounds						Qvalue
3) Chloromethane	2.119	50	383	1.178	ug/l	91
5) Bromomethane	2.668	94	326	Below Cal	#	44
11) Tert butyl alcohol	4.960	59	3195	39.172	ug/l	98
16) Acetone	3.960	43	4902	26.579	ug/l	# 89
25) 2-Butanone	6.990	43	322	1.540	ug/l	# 54
31) Cyclohexane	7.789	56	1708	Below Cal	#	38
36) 1,1-Dichloropropene	7.789	75	5015	4.727	ug/l	# 54
38) Carbon Tetrachloride	7.789	117	7548	4.858	ug/l	# 14
39) Methylcyclohexane	9.185	83	539	Below Cal	#	78
52) Toluene	10.246	92	4405	2.133	ug/l	94
64) Tetrachloroethene	10.721	164	375	Below Cal	#	65
68) m/p-Xylenes	11.697	106	4078	3.009	ug/l	90
69) o-Xylene	12.032	106	2313	1.735	ug/l	96
70) Styrene	12.044	104	2680	1.202	ug/l	96
73) Isopropylbenzene	12.337	105	2852	1.602	ug/l	84
76) 1,2,3-Trichloropropane	12.483	75	18501	80.031	ug/l	# 100
78) n-propylbenzene	12.672	91	6192	3.011	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	12201	8.056	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.483	75	18501	172.079	ug/l	# 8
83) tert-Butylbenzene	13.312	119	12171	8.992	ug/l	68
84) 1,2,4-Trimethylbenzene	13.117	105	67956	45.776	ug/l	96
85) sec-Butylbenzene	13.251	105	10241	5.355	ug/l	# 67
86) p-Isopropyltoluene	13.367	119	20955	12.749	ug/l	96
89) n-Butylbenzene	13.696	91	16086	10.870	ug/l	# 70
90) Hexachloroethane	13.971	117	8948	27.009	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.336	75	1067	16.433	ug/l	# 13
93) 1,2,4-Trichlorobenzene	15.001	180	1709	3.129	ug/l	# 1
95) Naphthalene	15.239	128	26326	22.459	ug/l	# 85
96) 1,2,3-Trichlorobenzene	15.446	180	5865	12.431	ug/l	# 1

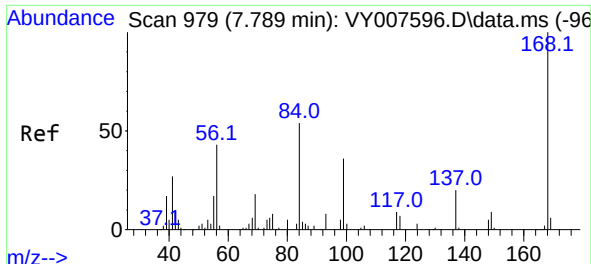
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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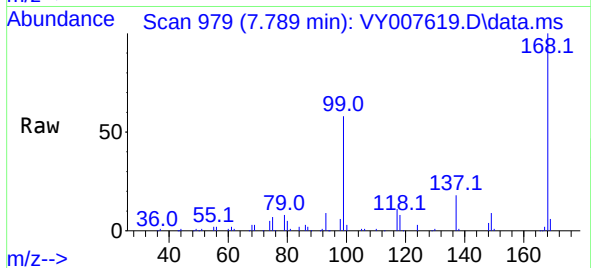
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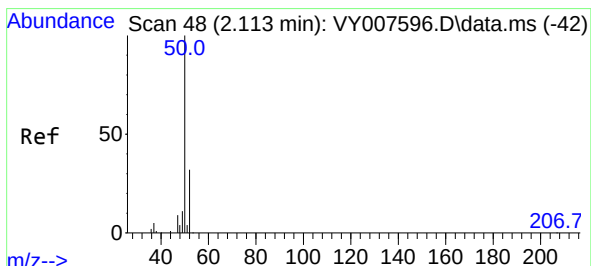
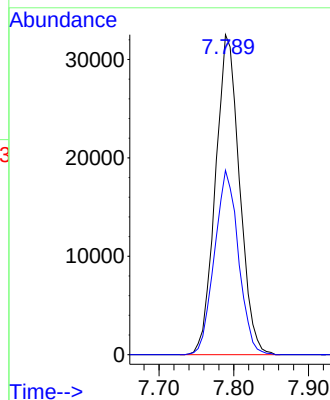
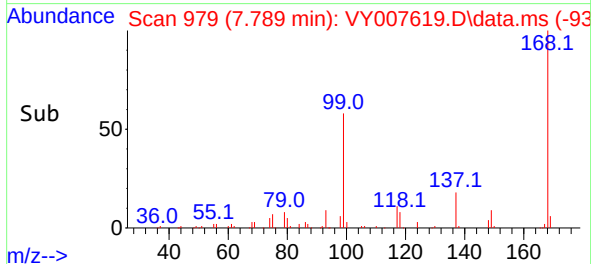


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Instrument :
MSVOA_Y
ClientSampleId :
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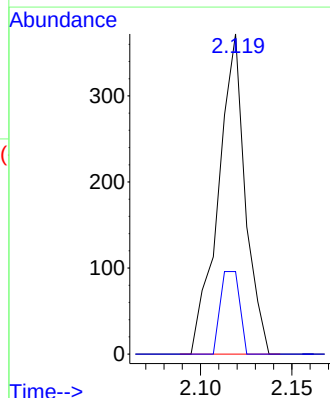
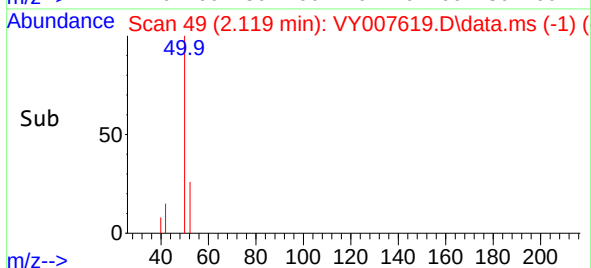
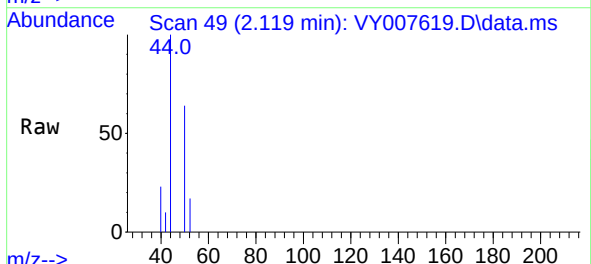


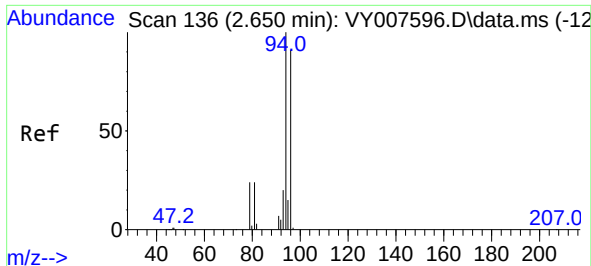
Tgt Ion:168 Resp: 72797
Ion Ratio Lower Upper
168 100
99 57.6 46.9 70.3



#3
Chloromethane
Concen: 1.178 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 50 Resp: 383
Ion Ratio Lower Upper
50 100
52 25.8 24.6 37.0

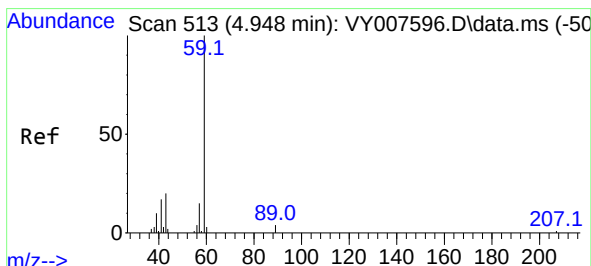
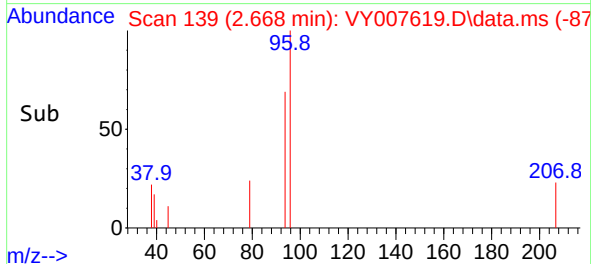
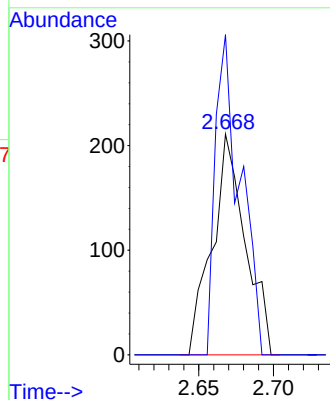
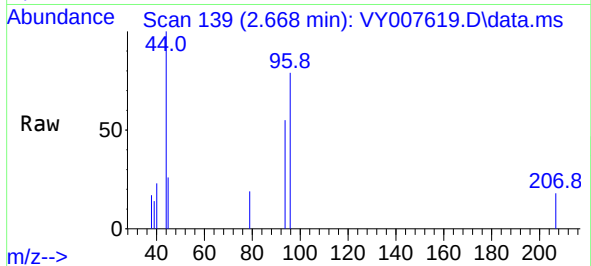




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

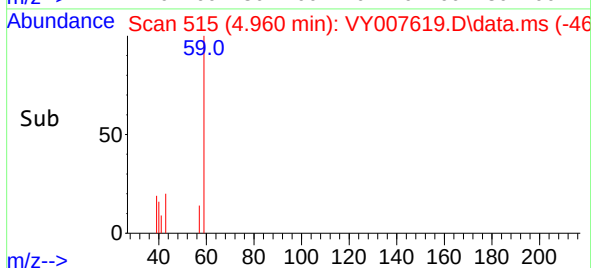
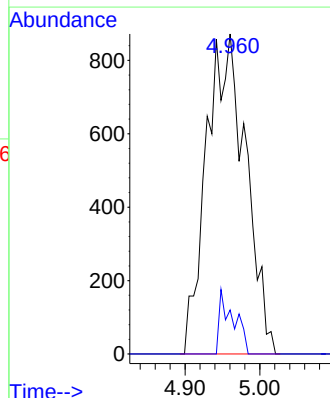
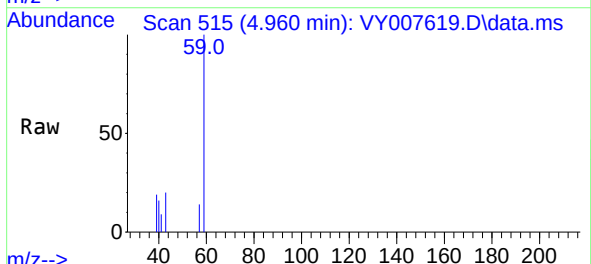
Instrument :
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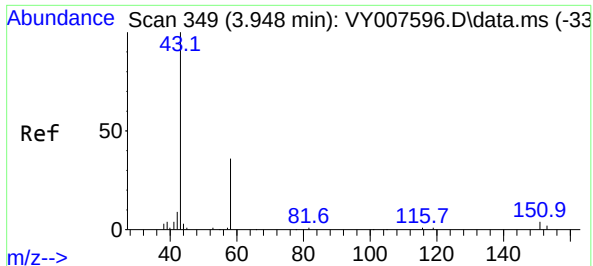
Tgt Ion: 94 Resp: 326
Ion Ratio Lower Upper
94 100
96 145.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: 39.172 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 59 Resp: 3195
Ion Ratio Lower Upper
59 100
57 7.3 6.4 9.6

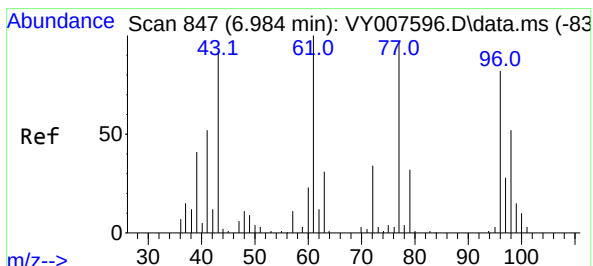
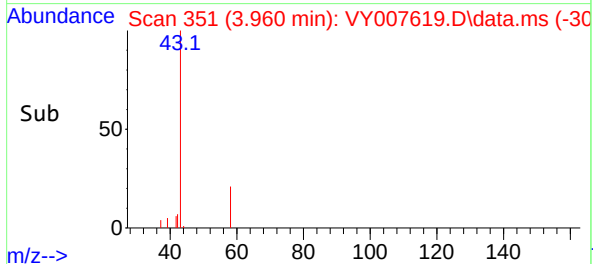
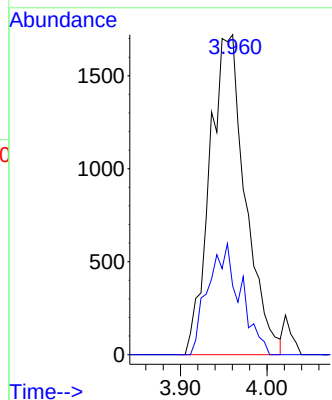
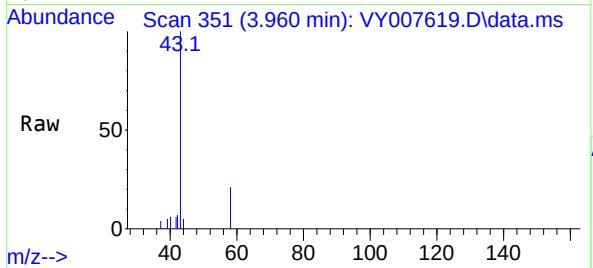




#16
Acetone
Concen: 26.579 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

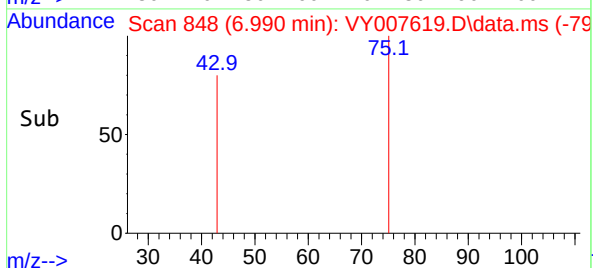
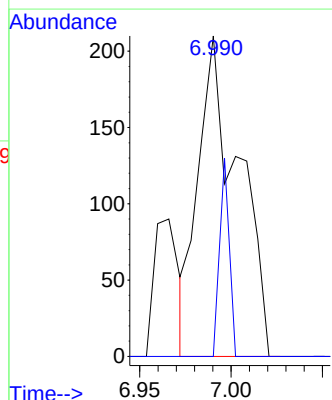
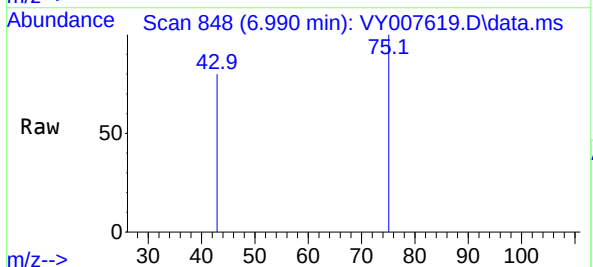
Instrument :
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ClientSampleId :
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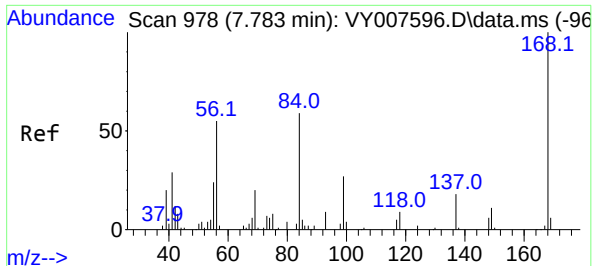
Tgt Ion: 43 Resp: 4902
Ion Ratio Lower Upper
43 100
58 21.5 22.0 33.0#



#25
2-Butanone
Concen: 1.540 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

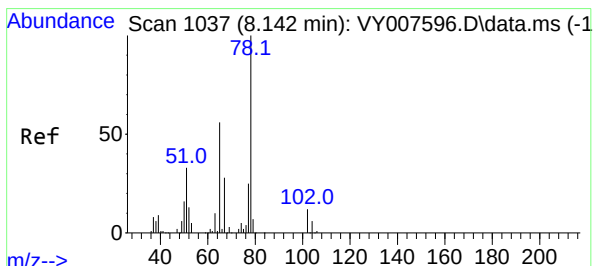
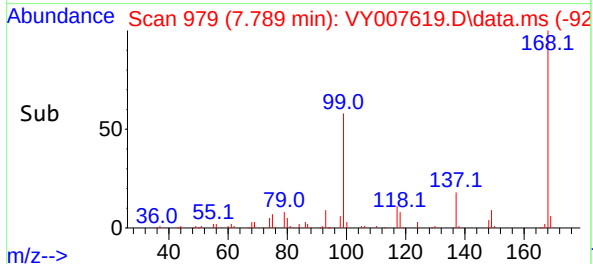
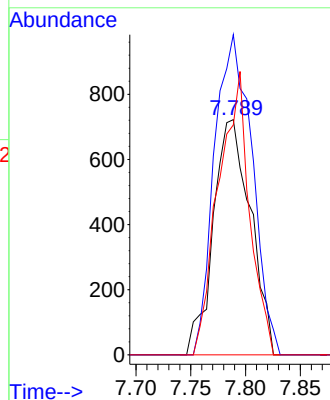
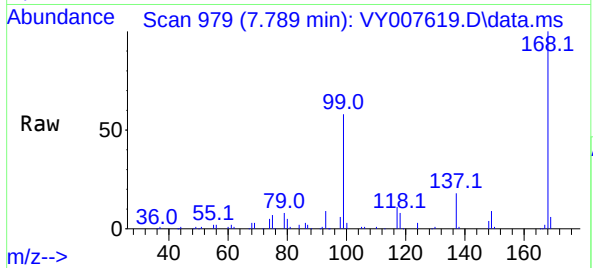




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

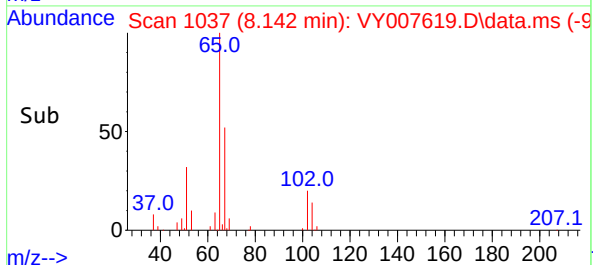
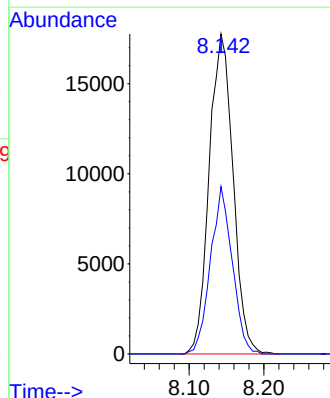
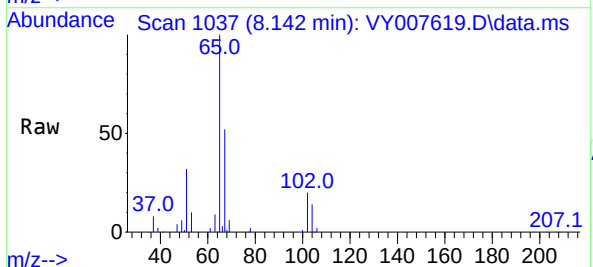
Instrument :
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ClientSampleId :
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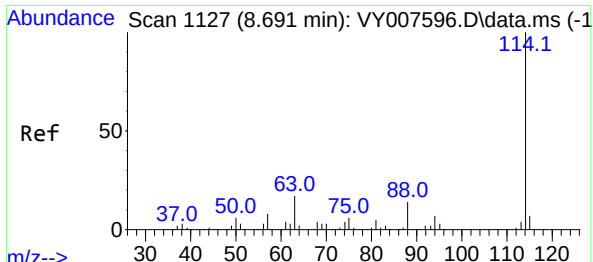
Tgt Ion: 56 Resp: 1708
Ion Ratio Lower Upper
56 100
69 136.1 26.7 40.1#
84 97.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 48.670 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 65 Resp: 39415
Ion Ratio Lower Upper
65 100
67 47.8 0.0 99.4

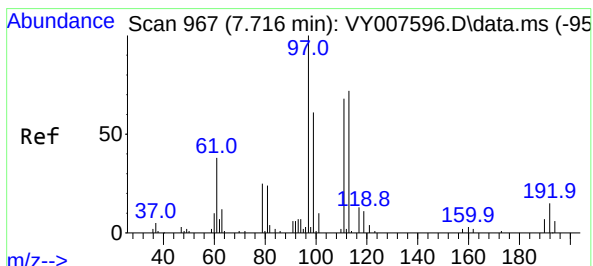
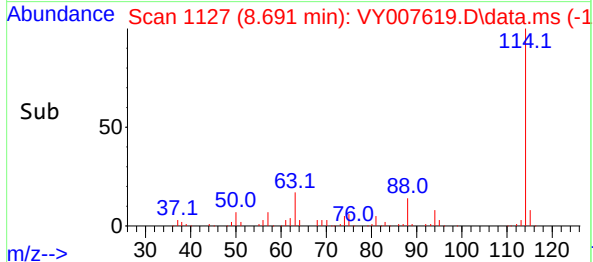
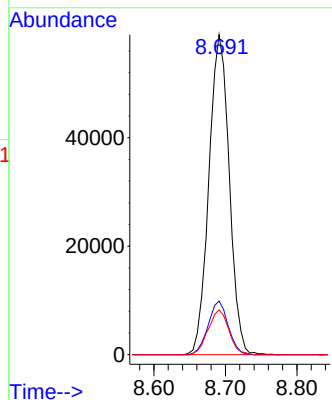
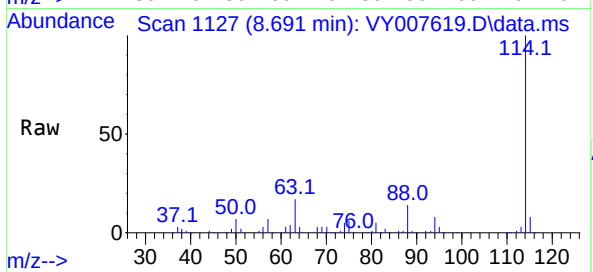




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

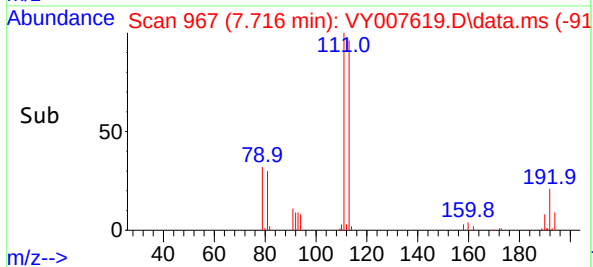
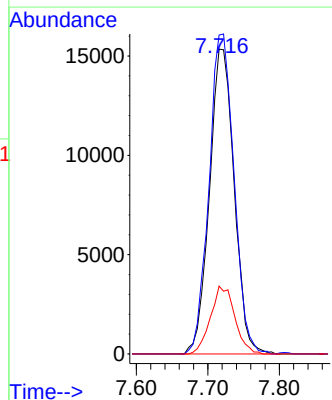
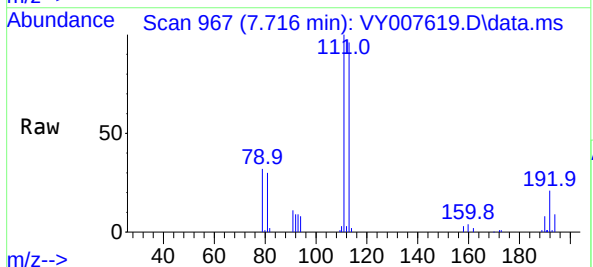
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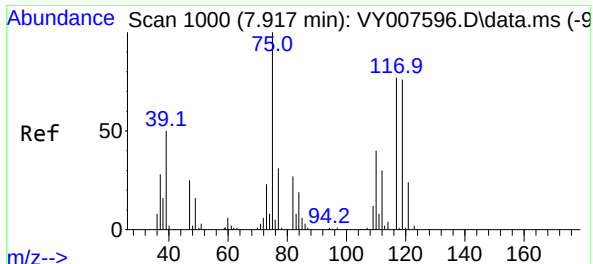
Tgt Ion:114 Resp: 116686
Ion Ratio Lower Upper
114 100
63 16.8 0.0 43.2
88 14.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.096 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:113 Resp: 36884
Ion Ratio Lower Upper
113 100
111 106.0 82.6 124.0
192 21.9 17.6 26.4

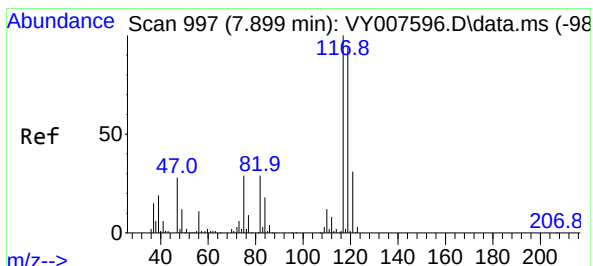
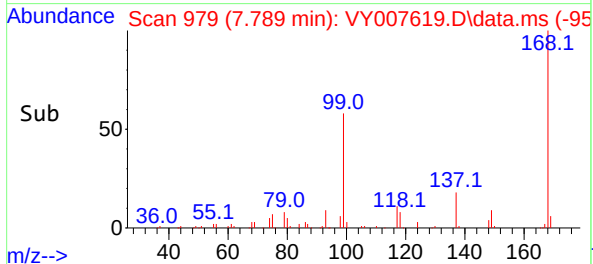
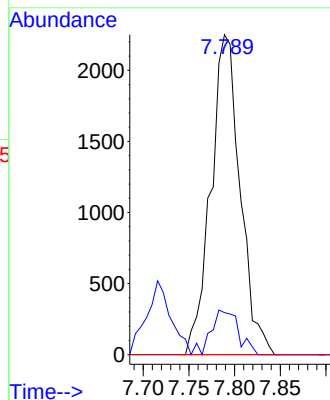
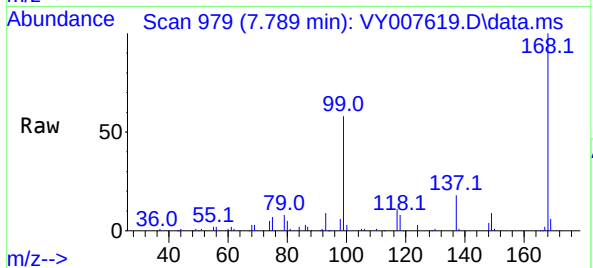




#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

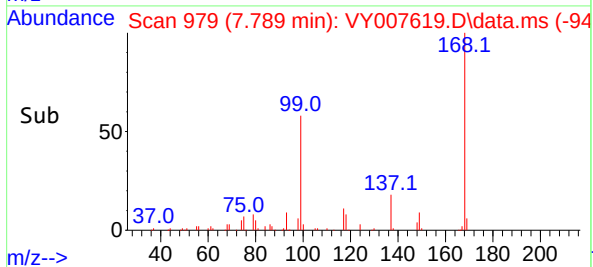
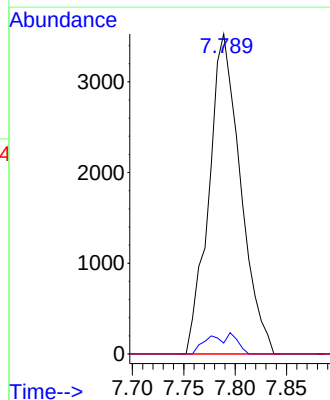
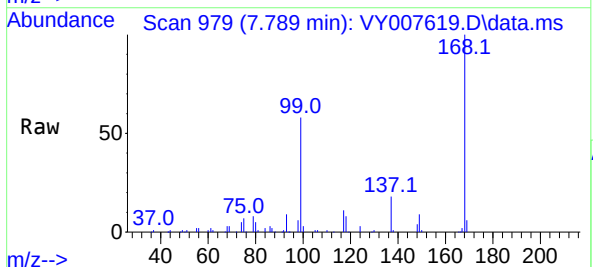
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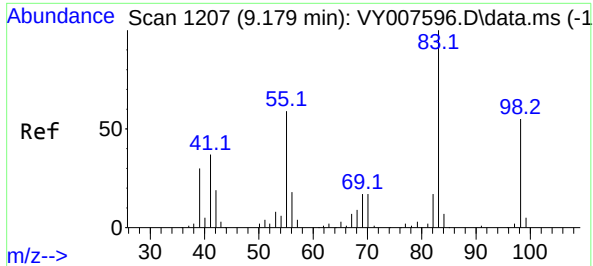
Tgt Ion: 75 Resp: 5015
Ion Ratio Lower Upper
75 100
110 13.1 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.858 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 117 Resp: 7548
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#

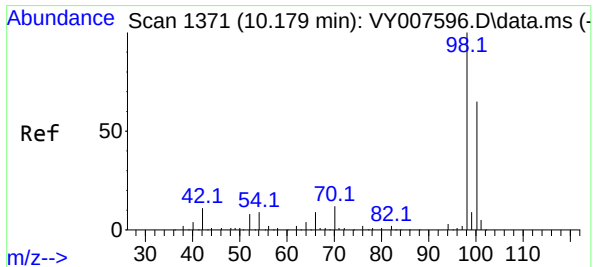
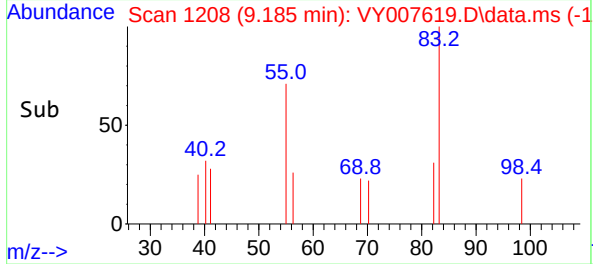
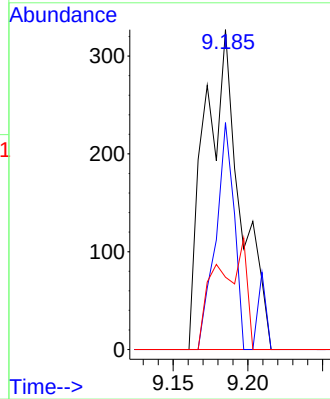
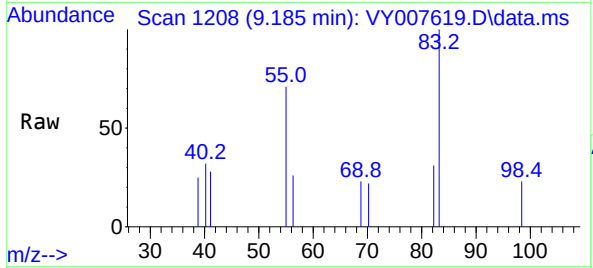




#39
Methylcyclohexane
Concen: Below Cal
RT: 9.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

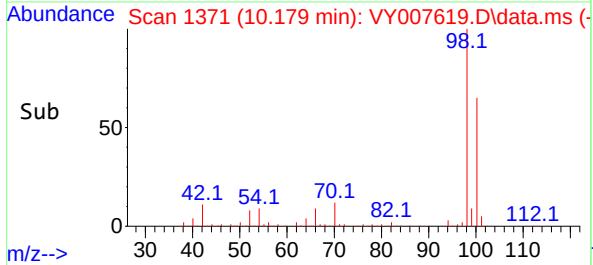
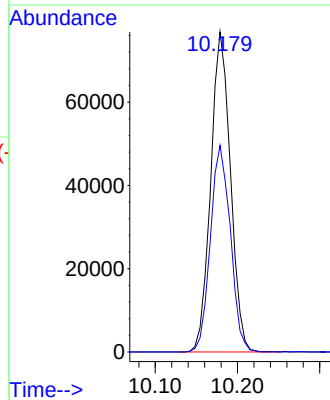
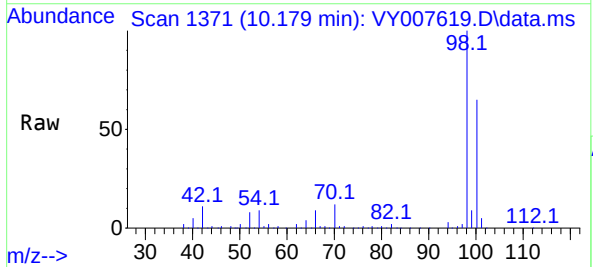
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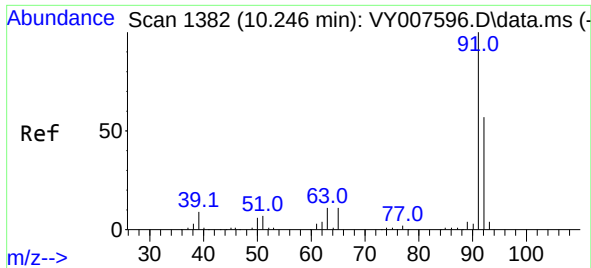
Tgt Ion: 83 Resp: 539
Ion Ratio Lower Upper
83 100
55 70.9 66.5 99.7
98 22.6 37.9 56.9#



#50
Toluene-d8
Concen: 47.312 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 98 Resp: 128282
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

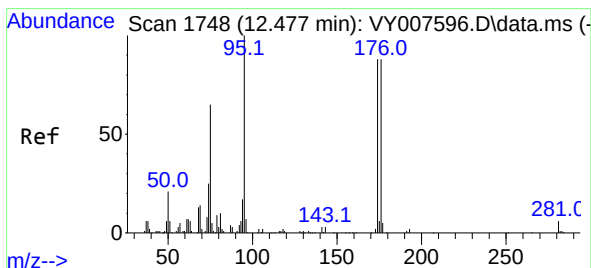
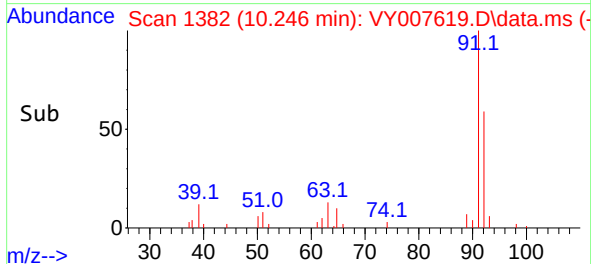
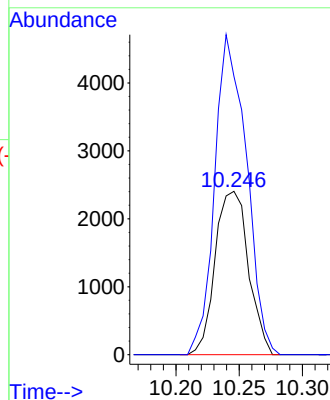
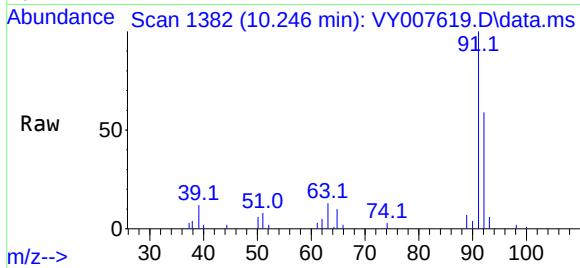




#52
Toluene
Concen: 2.133 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

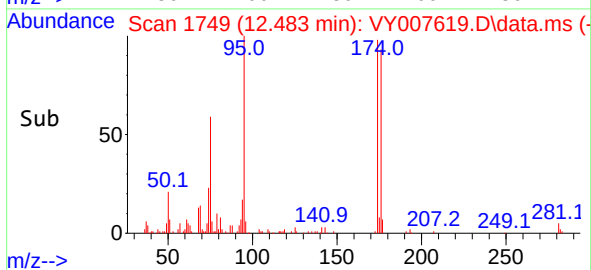
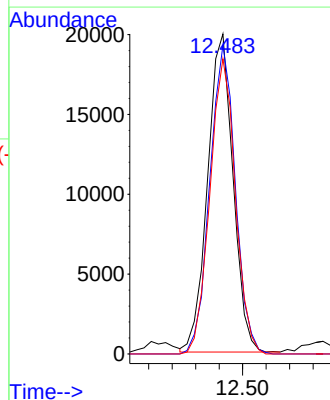
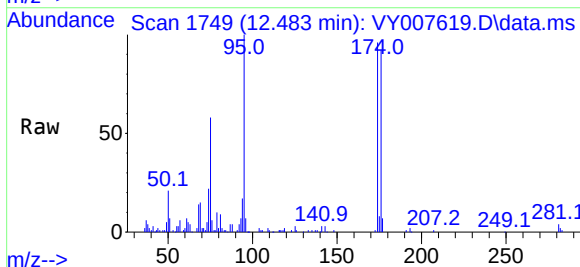
Instrument :
MSVOA_Y
ClientSampleId :
20071

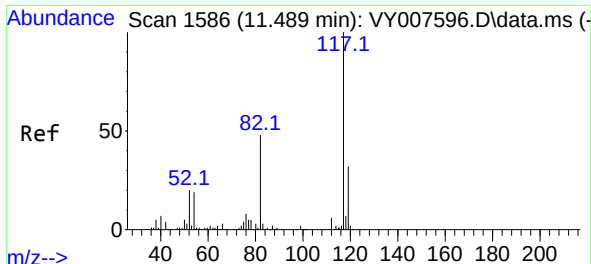
Tgt Ion: 92 Resp: 4405
Ion Ratio Lower Upper
92 100
91 186.5 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 32.131 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 95 Resp: 29913
Ion Ratio Lower Upper
95 100
174 97.4 0.0 177.0
176 92.9 0.0 175.8

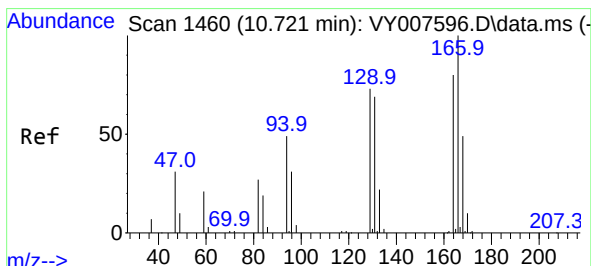
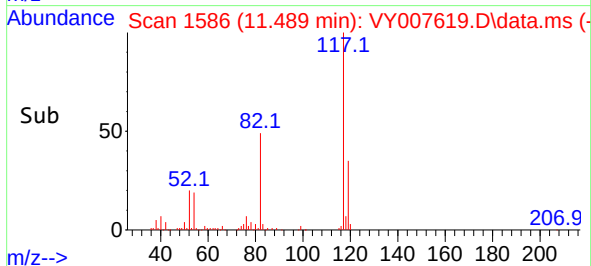
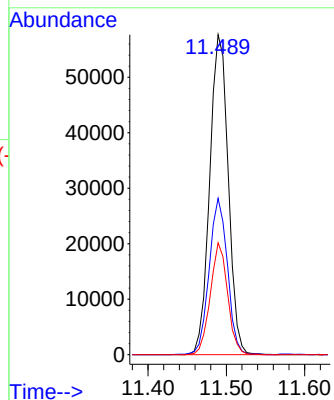
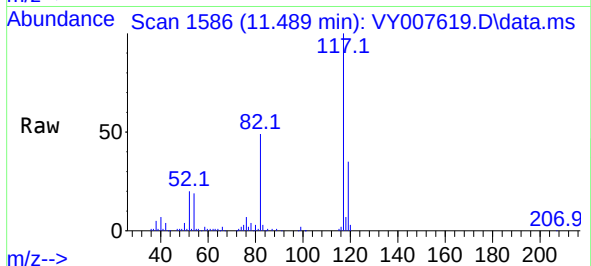




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

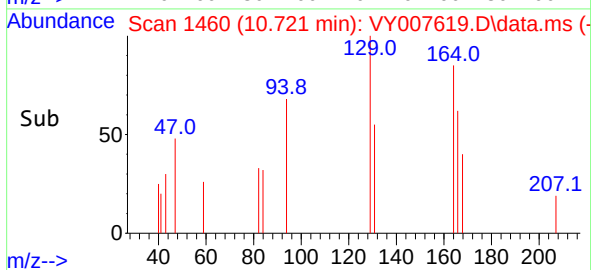
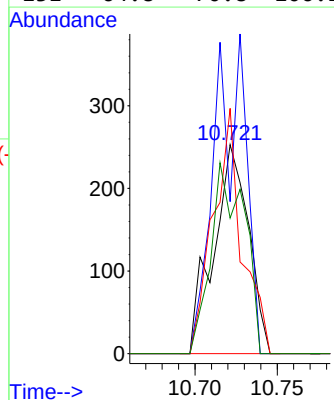
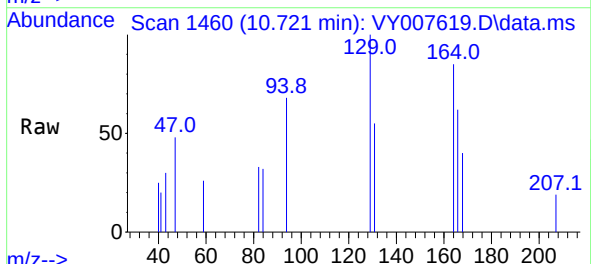
Instrument :
MSVOA_Y
ClientSampleId :
20071

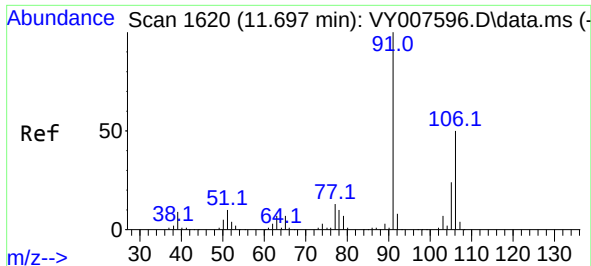
Tgt Ion:	117	Resp:	94656
Ion	Ratio	Lower	Upper
117	100		
82	48.7	43.0	64.4
119	35.0	25.4	38.0



#64
Tetrachloroethene
Concen: Below Cal
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:	164	Resp:	375
Ion	Ratio	Lower	Upper
164	100		
166	72.7	100.4	150.6#
129	117.4	71.4	107.0#
131	64.8	70.8	106.2#

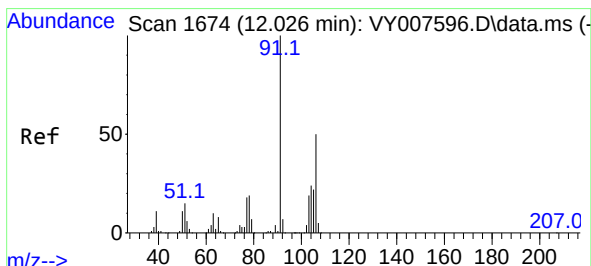
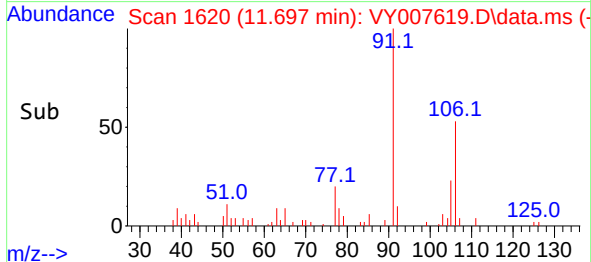
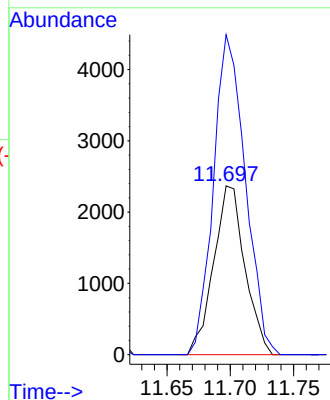
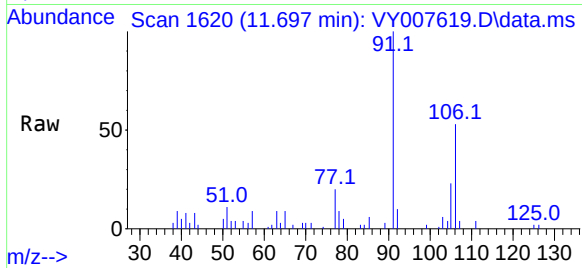




#68
m/p-Xylenes
Concen: 3.009 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

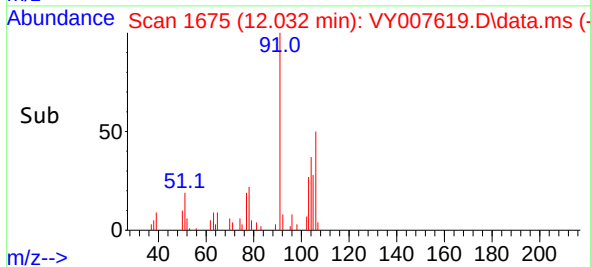
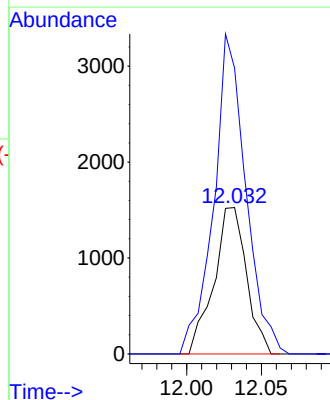
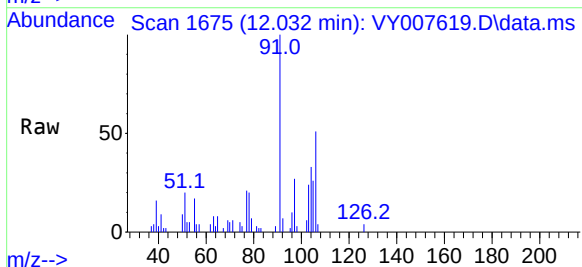
Instrument :
MSVOA_Y
ClientSampleId :
20071

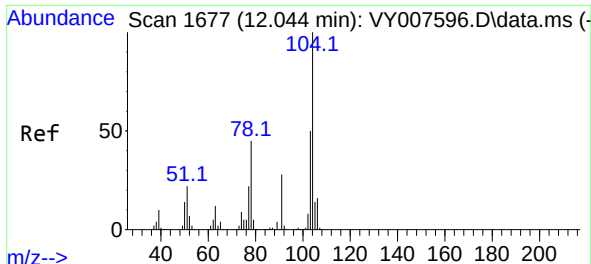
Tgt Ion:106 Resp: 4078
Ion Ratio Lower Upper
106 100
91 192.7 166.6 249.8



#69
o-Xylene
Concen: 1.735 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:106 Resp: 2313
Ion Ratio Lower Upper
106 100
91 214.4 110.3 331.0

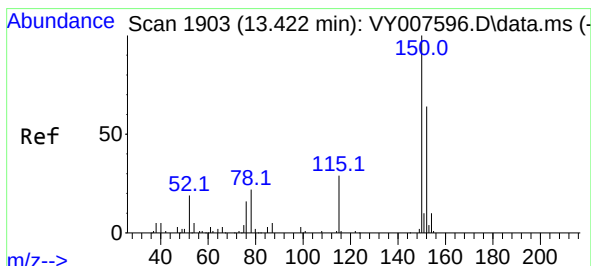
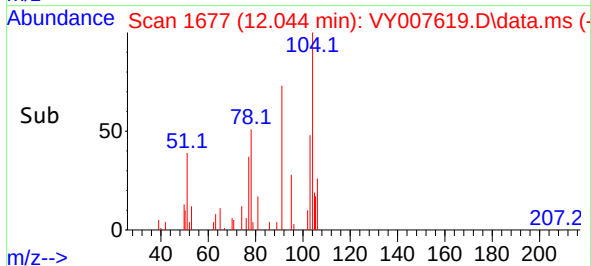
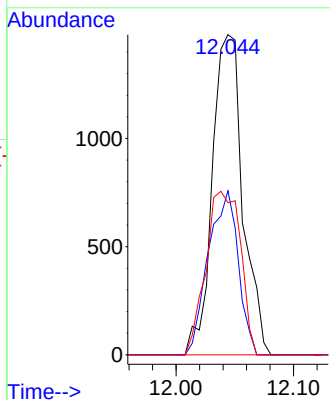
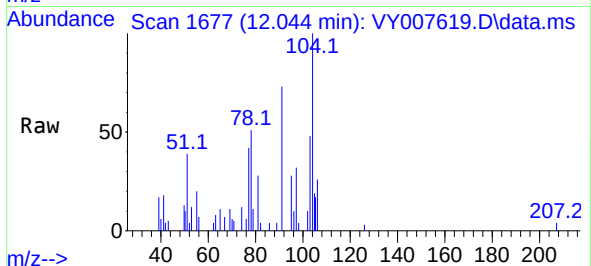




#70
Styrene
Concen: 1.202 ug/l
RT: 12.044 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

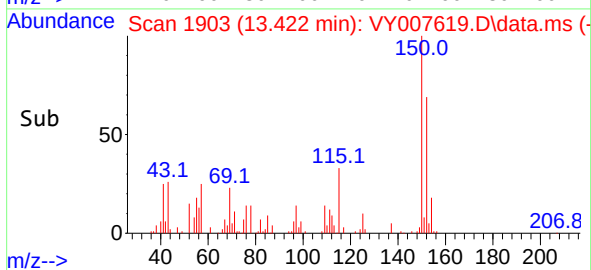
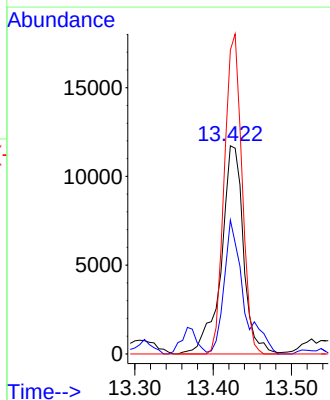
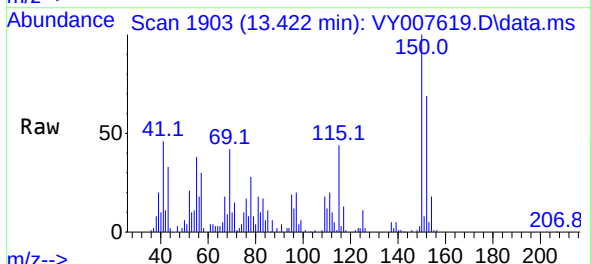
Instrument :
MSVOA_Y
ClientSampleId :
20071

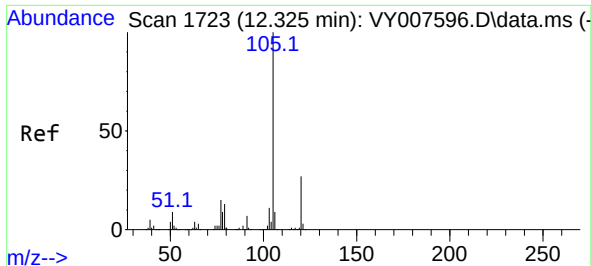
Tgt Ion:	104	Resp:	2680
Ion	Ratio	Lower	Upper
104	100		
78	49.9	42.4	63.6
103	57.6	44.4	66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:	152	Resp:	23114
Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.2	84.7
150	121.8	0.0	347.6

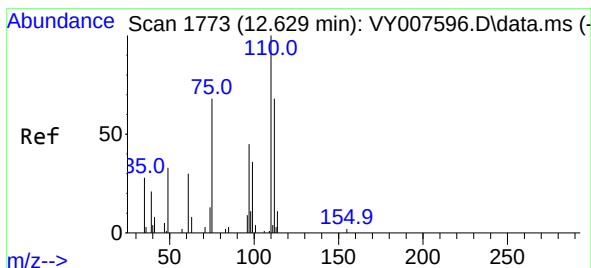
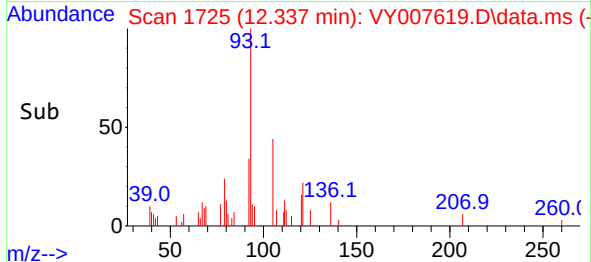
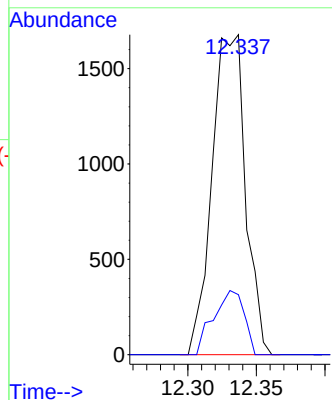
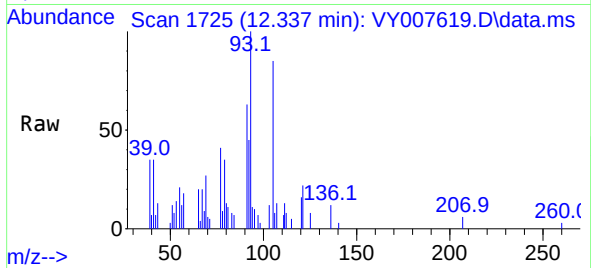




#73
Isopropylbenzene
Concen: 1.602 ug/l
RT: 12.337 min Scan# 1749
Delta R.T. 0.012 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

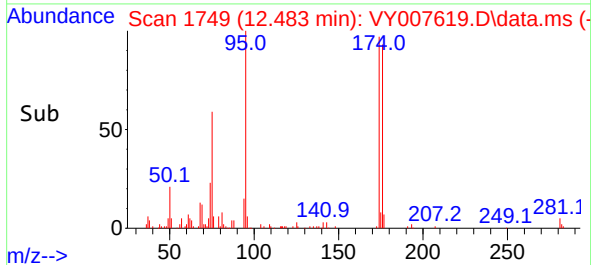
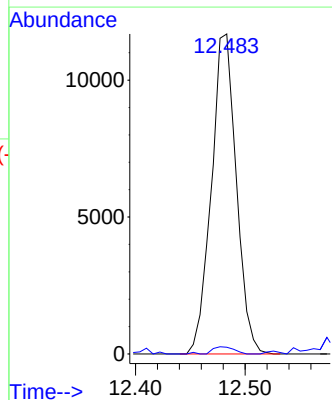
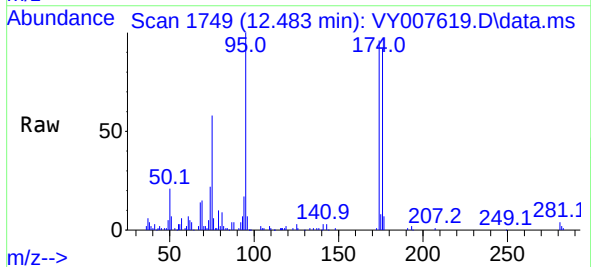
Instrument :
MSVOA_Y
ClientSampleId :
20071

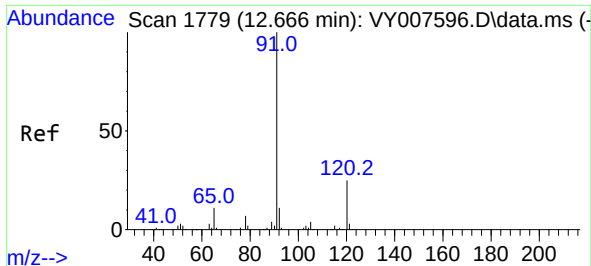
Tgt Ion:105 Resp: 2852
Ion Ratio Lower Upper
105 100
120 18.4 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 80.031 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 75 Resp: 18501
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#

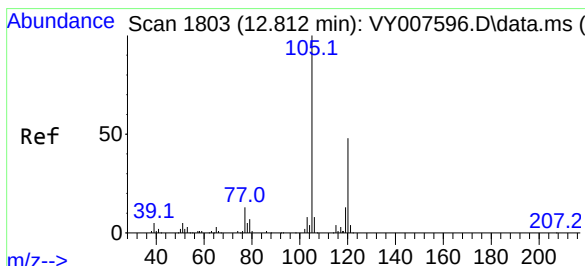
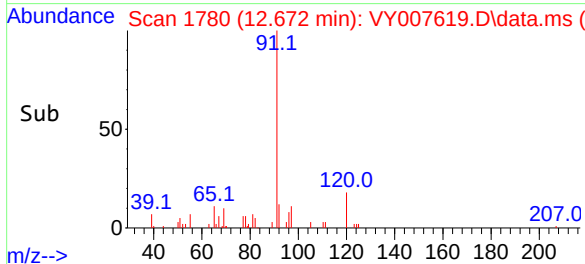
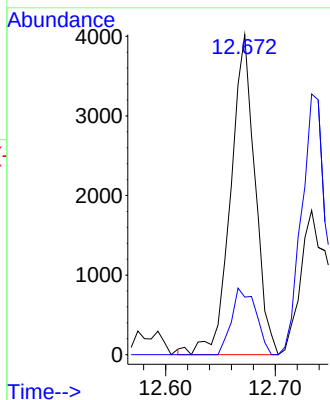
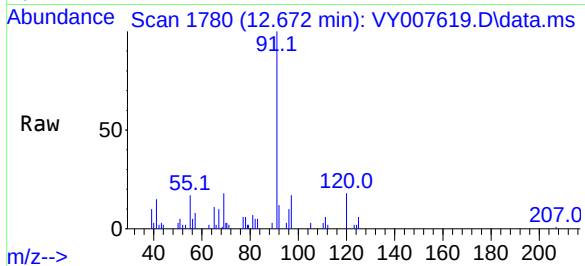




#78
n-propylbenzene
Concen: 3.011 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

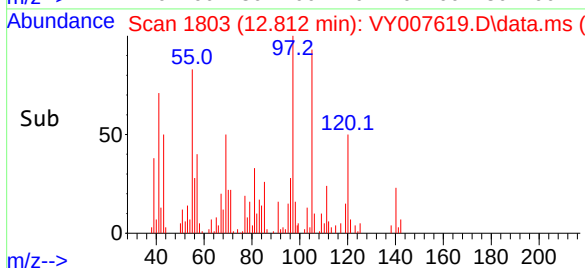
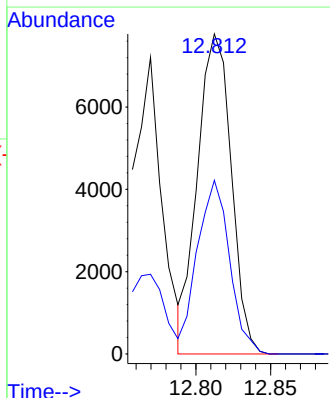
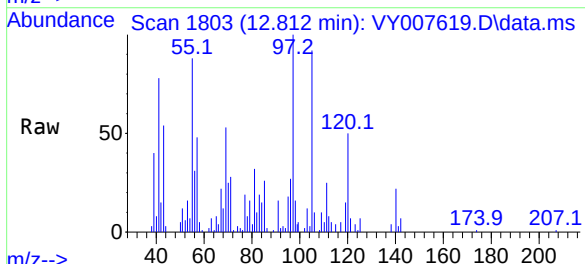
Instrument :
MSVOA_Y
ClientSampleId :
20071

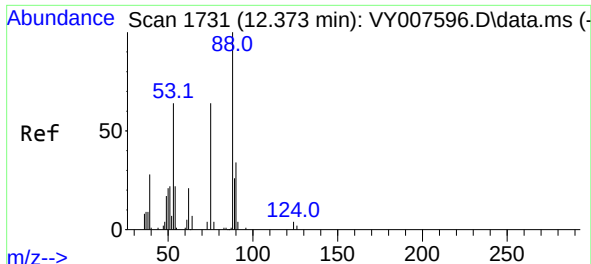
Tgt Ion: 91 Resp: 6192
Ion Ratio Lower Upper
91 100
120 20.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 8.056 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 105 Resp: 12201
Ion Ratio Lower Upper
105 100
120 51.8 24.4 73.4

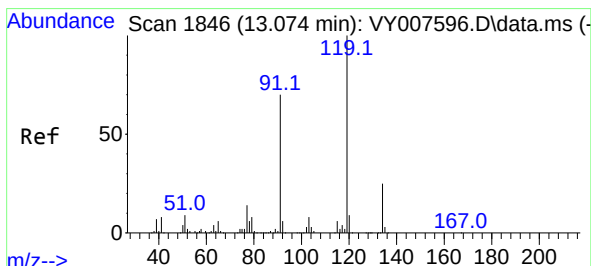
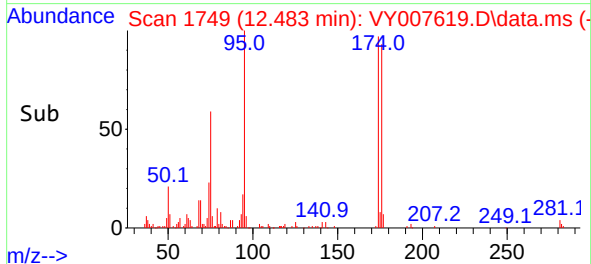
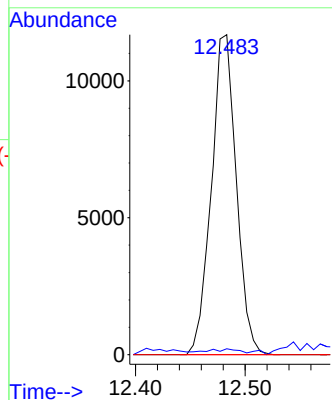
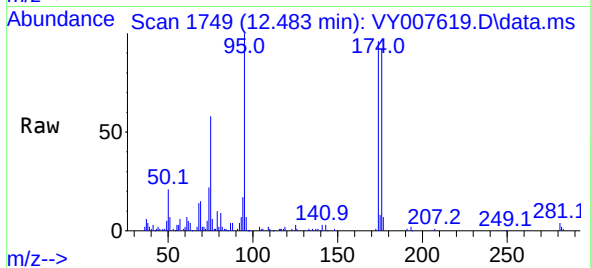




#81
trans-1,4-Dichloro-2-butene
Concen: 172.079 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

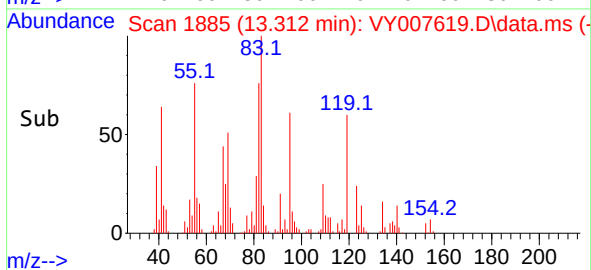
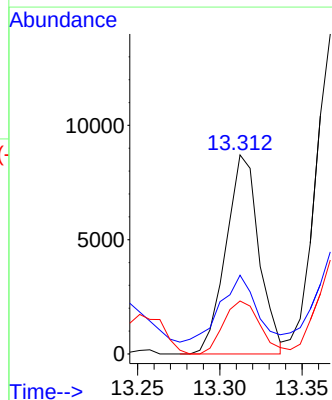
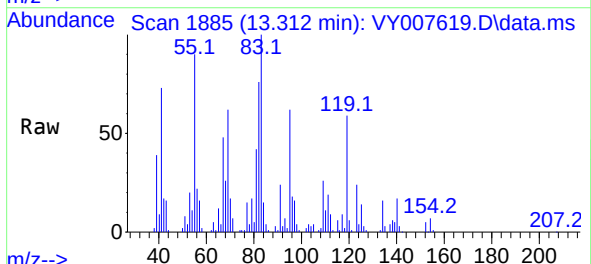
Instrument :
MSVOA_Y
ClientSampleId :
20071

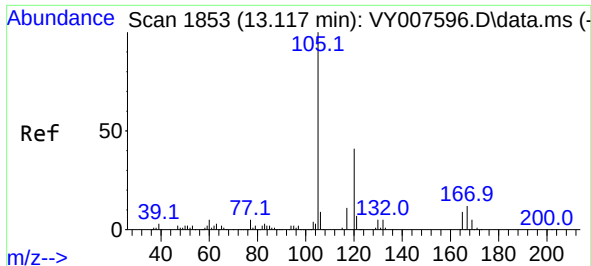
Tgt Ion: 75 Resp: 18501
Ion Ratio Lower Upper
75 100
53 1.3 85.3 127.9#
89 0.0 37.0 55.4#



#83
tert-Butylbenzene
Concen: 8.992 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.238 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 119 Resp: 12171
Ion Ratio Lower Upper
119 100
91 35.7 34.8 104.4
134 29.7 13.3 39.9

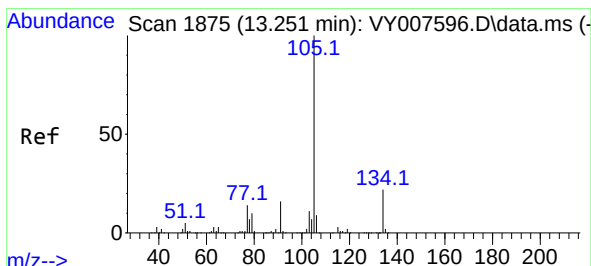
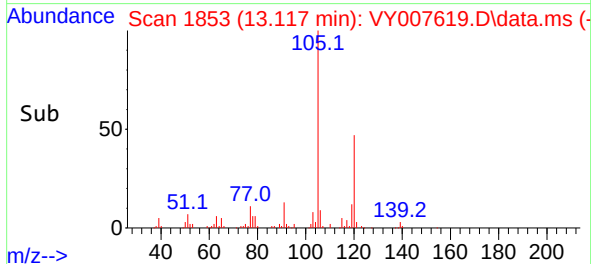
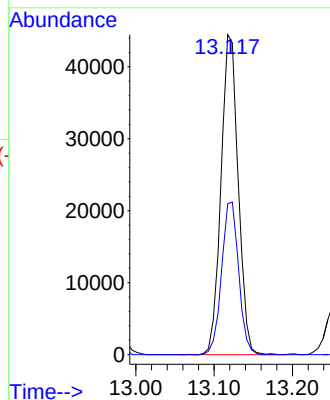
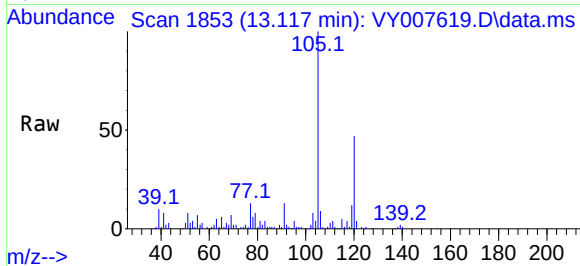




#84
1,2,4-Trimethylbenzene
Concen: 45.776 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

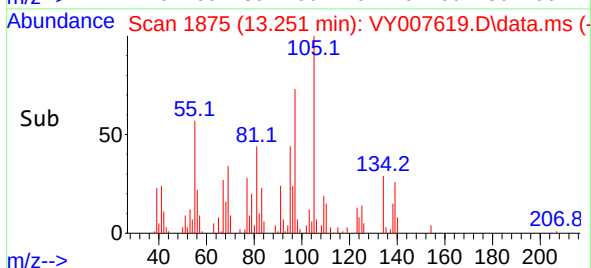
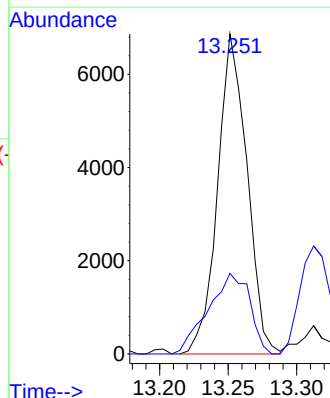
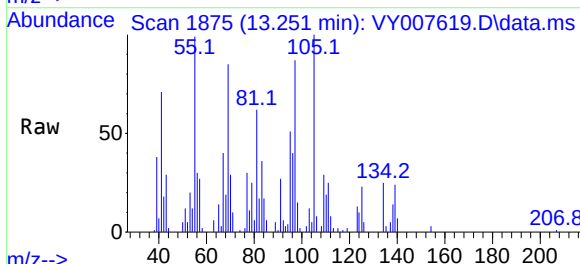
Instrument :
MSVOA_Y
ClientSampleId :
20071

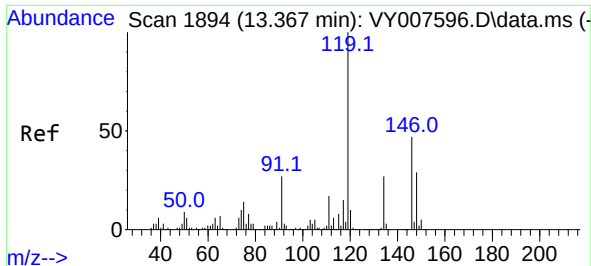
Tgt Ion:105 Resp: 67956
Ion Ratio Lower Upper
105 100
120 47.4 22.3 66.9



#85
sec-Butylbenzene
Concen: 5.355 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:105 Resp: 10241
Ion Ratio Lower Upper
105 100
134 35.6 10.2 30.4#

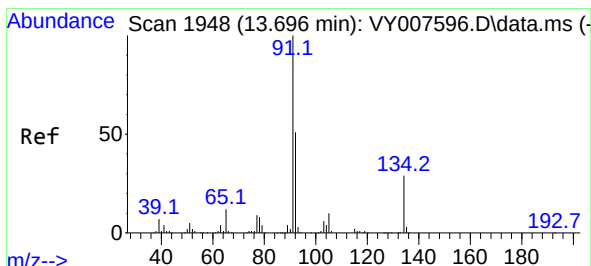
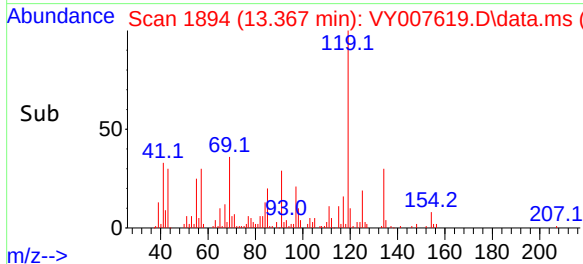
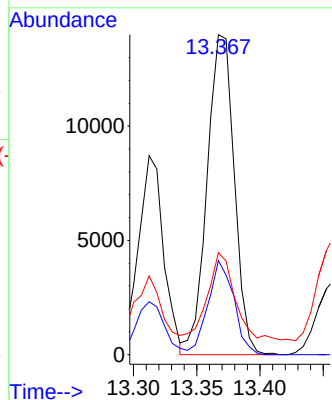
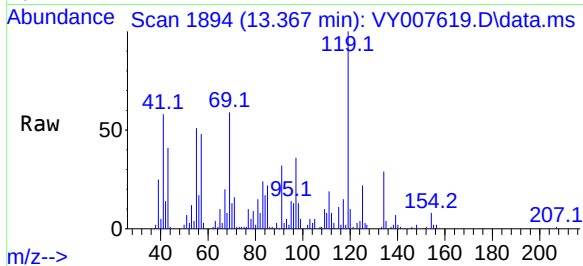




#86
p-Isopropyltoluene
Concen: 12.749 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

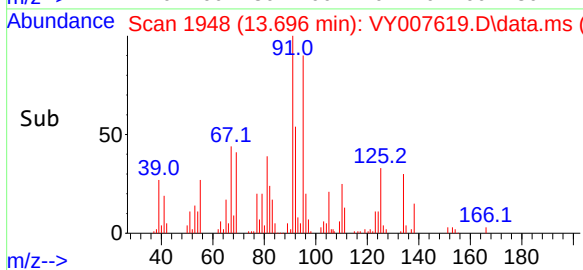
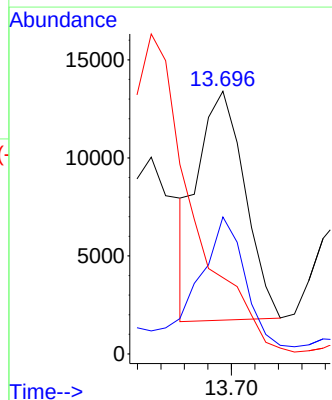
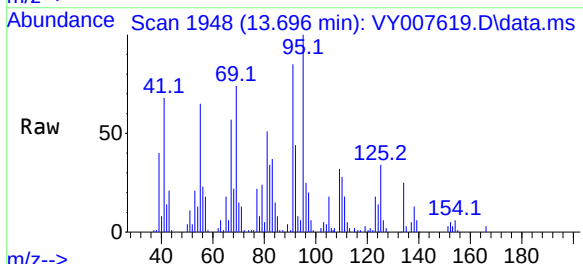
Instrument :
MSVOA_Y
ClientSampleId :
20071

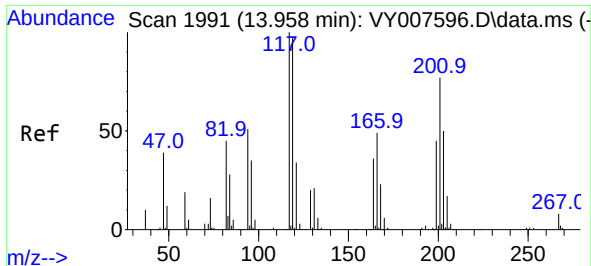
Tgt Ion:	119	Resp:	20955
Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.2	39.5
91	26.9	12.4	37.2



#89
n-Butylbenzene
Concen: 10.870 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion:	91	Resp:	16086
Ion	Ratio	Lower	Upper
91	100		
92	66.8	26.3	78.9
134	0.0	13.0	38.9#

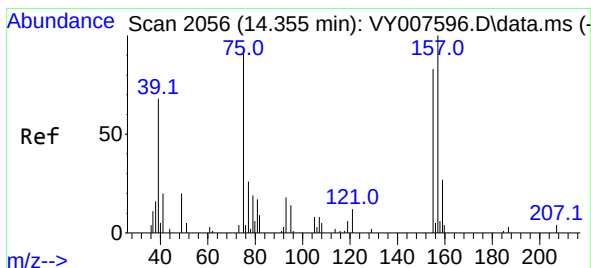
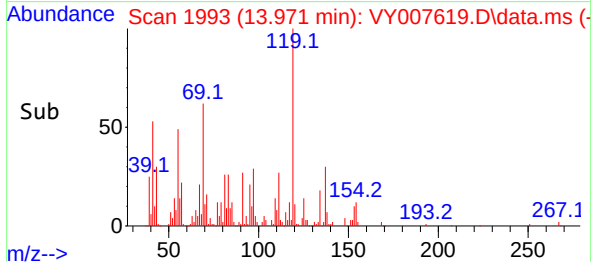
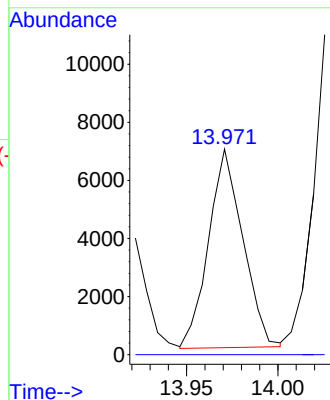
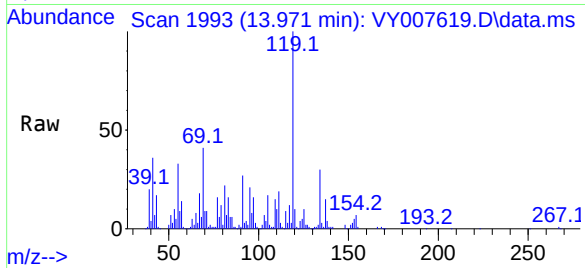




#90
Hexachloroethane
Concen: 27.009 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

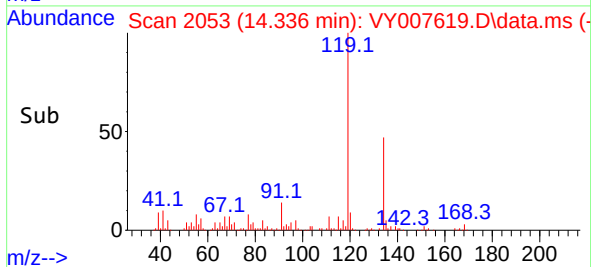
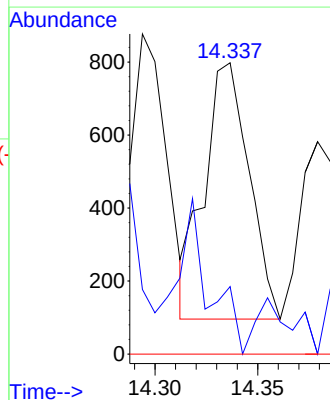
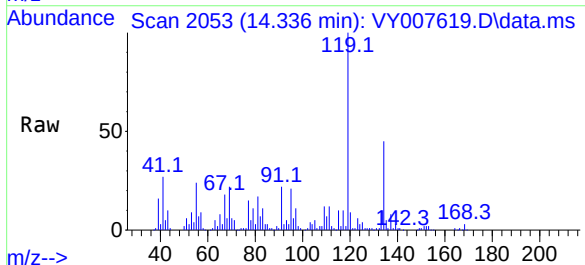
Instrument :
MSVOA_Y
ClientSampleId :
20071

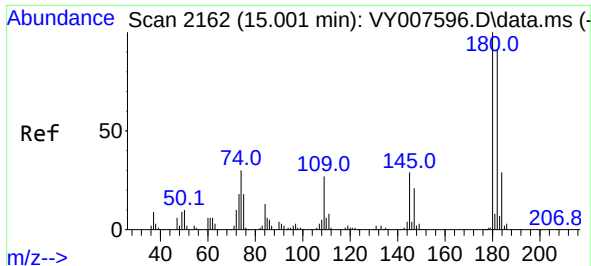
Tgt Ion:117 Resp: 8948
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 16.433 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.019 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

Tgt Ion: 75 Resp: 1067
Ion Ratio Lower Upper
75 100
155 13.6 38.0 113.9#
157 0.0 47.8 143.3#

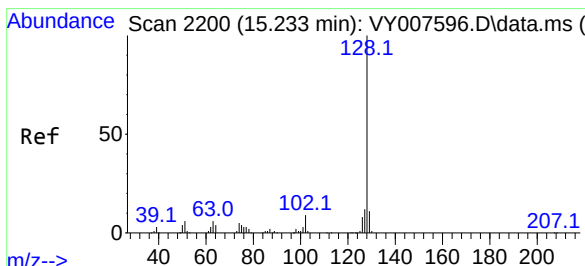
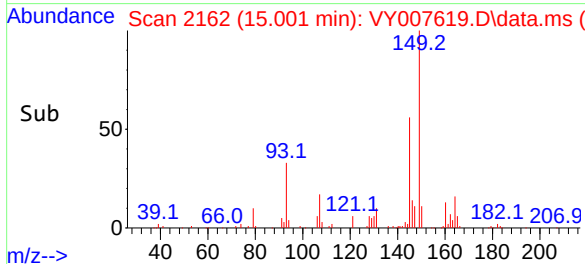
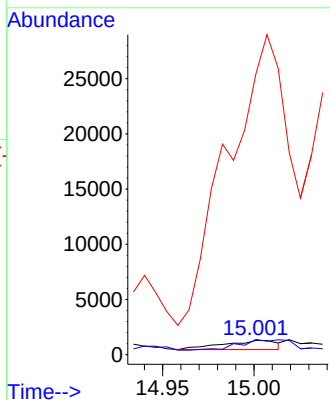
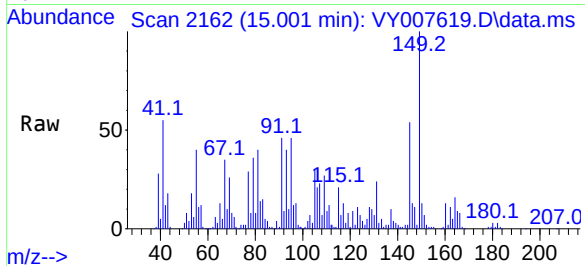




#93
1,2,4-Trichlorobenzene
Concen: 3.129 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. 0.000 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

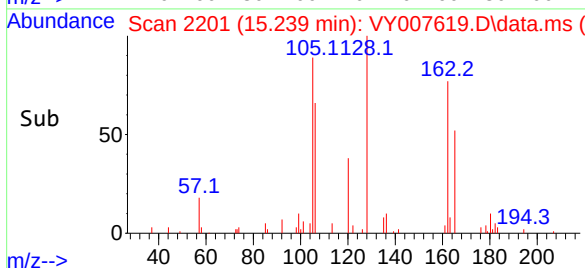
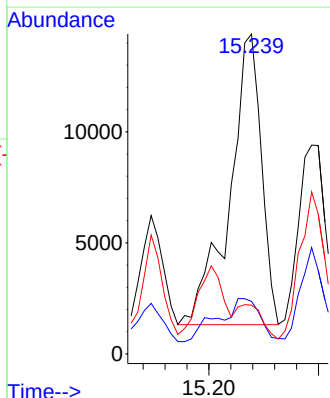
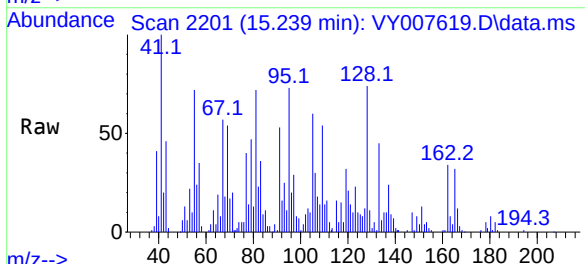
Instrument :
MSVOA_Y
ClientSampleId :
20071

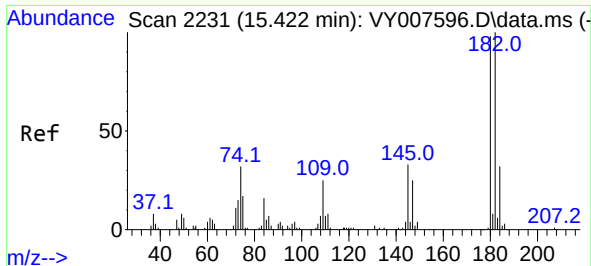
Tgt Ion:180 Resp: 1709
Ion Ratio Lower Upper
180 100
182 115.7 47.3 141.9
145 4196.1 14.6 43.8#



#95
Naphthalene
Concen: 22.459 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY007619.D
Acq: 24 Feb 2022 15:29

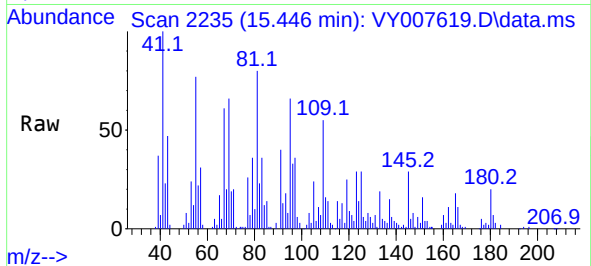
Tgt Ion:128 Resp: 26326
Ion Ratio Lower Upper
128 100
127 11.4 11.0 16.4
129 0.0 8.4 12.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 12.431 ug/l
 RT: 15.446 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: VY007619.D
 Acq: 24 Feb 2022 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 20071



Tgt Ion:180 Resp: 5865
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.9#
 145 420.4 15.3 45.9#

