

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060222\
 Data File : VY009123.D
 Acq On : 02 Jun 2022 13:31
 Operator : KP/MD
 Sample : N3099-01
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220417-COMPOSITE-F

Quant Time: Jun 03 03:11:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	119162	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	202894	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	180549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71461	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	73204	59.690	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.380%	
35) Dibromofluoromethane	7.716	113	62712	49.705	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.420%	
50) Toluene-d8	10.179	98	251202	53.970	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.940%	
62) 4-Bromofluorobenzene	12.483	95	67302	35.845	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 71.700%	

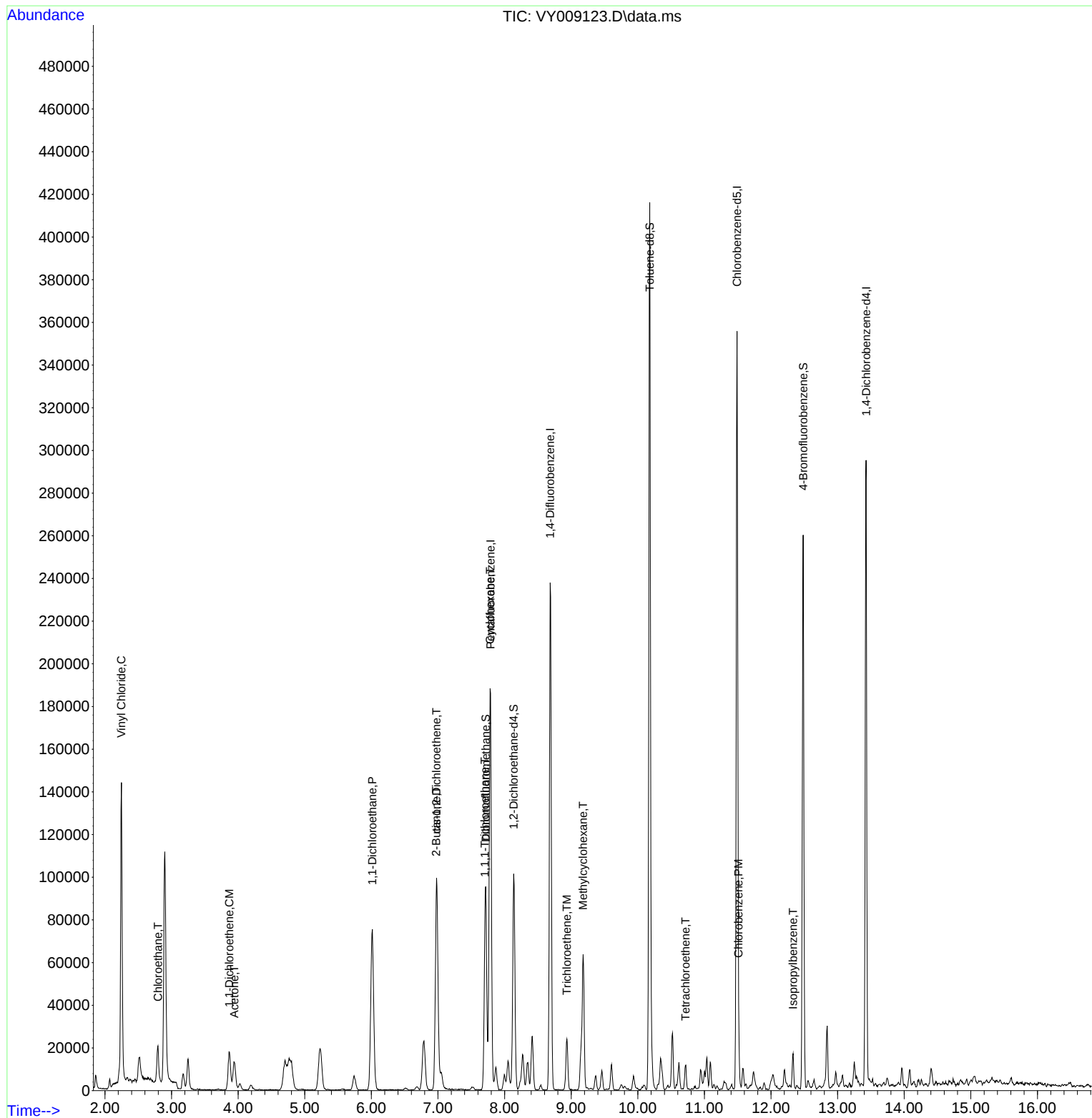
Target Compounds						Qvalue
4) Vinyl Chloride	2.247	62	103968	44.945	ug/l	100
6) Chloroethane	2.796	64	15902	9.703	ug/l	97
12) 1,1-Dichloroethene	3.869	96	10373	9.255	ug/l #	79
16) Acetone	3.942	43	19139	74.972	ug/l	92
24) 1,1-Dichloroethane	6.015	63	106755	43.984	ug/l	98
25) 2-Butanone	6.972	43	5138	11.268	ug/l #	72
27) cis-1,2-Dichloroethene	6.978	96	52879	32.607	ug/l	77
31) Cyclohexane	7.783	56	20594	8.584	ug/l #	89
32) 1,1,1-Trichloroethane	7.704	97	4024	1.693	ug/l	91
39) Methylcyclohexane	9.179	83	26497	9.561	ug/l	92
44) Trichloroethene	8.935	130	7469	4.556	ug/l	94
64) Tetrachloroethene	10.715	164	2323	1.768	ug/l	96
65) Chlorobenzene	11.514	112	8108	1.957	ug/l	96
73) Isopropylbenzene	12.331	105	9450	1.769	ug/l	99

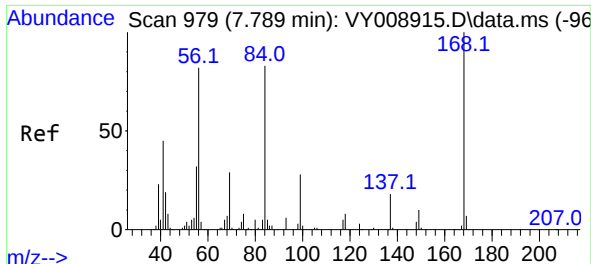
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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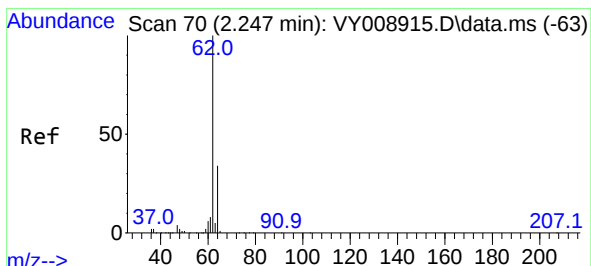
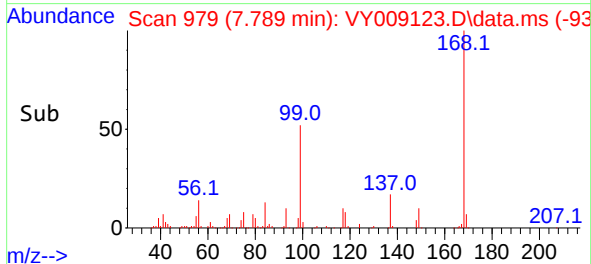
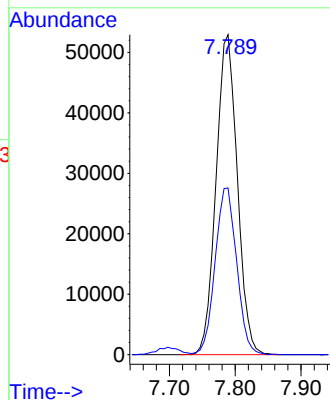
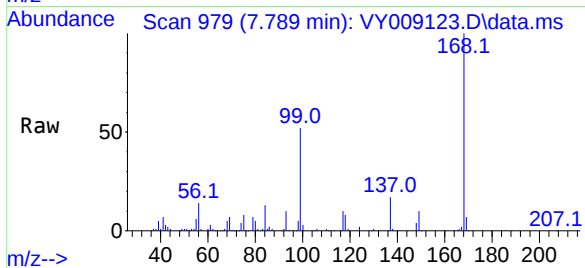




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

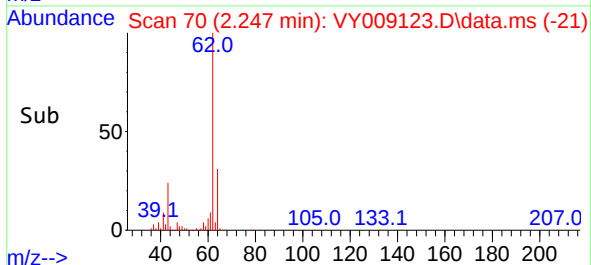
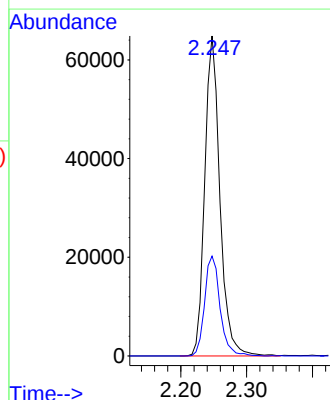
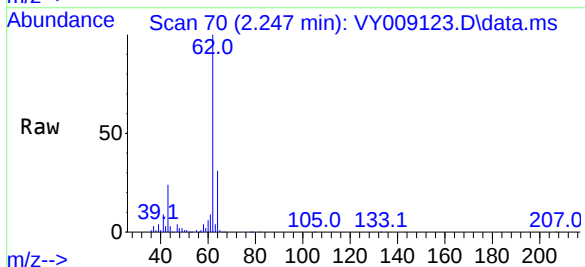
Instrument :
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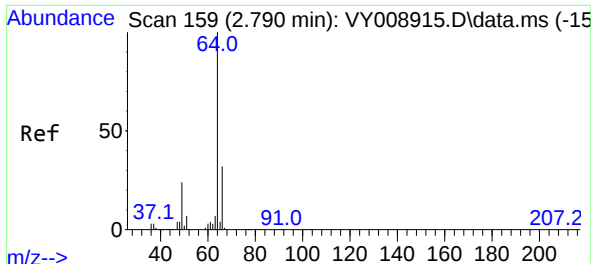
Tgt Ion:168 Resp: 119162
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#4
Vinyl Chloride
Concen: 44.945 ug/l
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 62 Resp: 103968
Ion Ratio Lower Upper
62 100
64 31.2 25.0 37.6

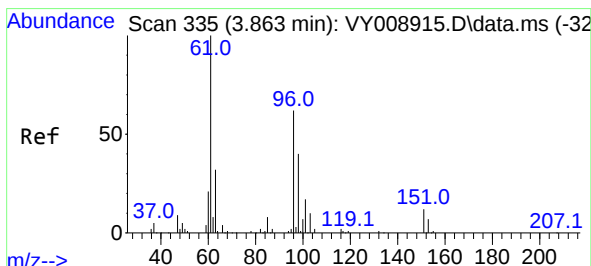
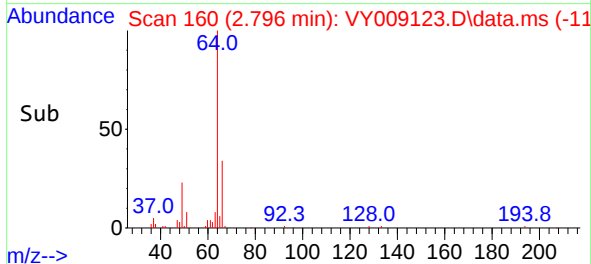
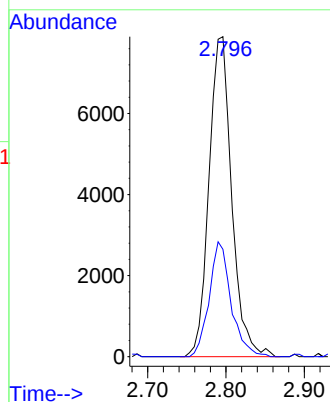
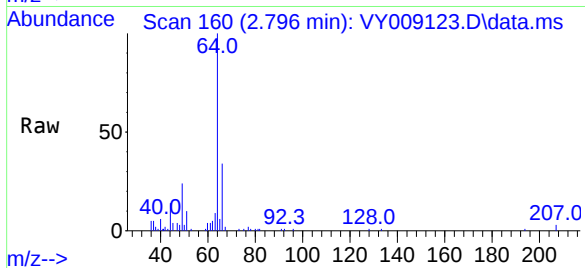




#6
Chloroethane
Concen: 9.703 ug/l
RT: 2.796 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

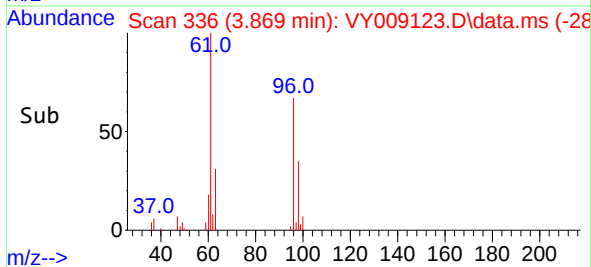
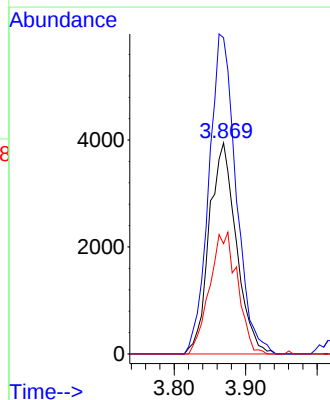
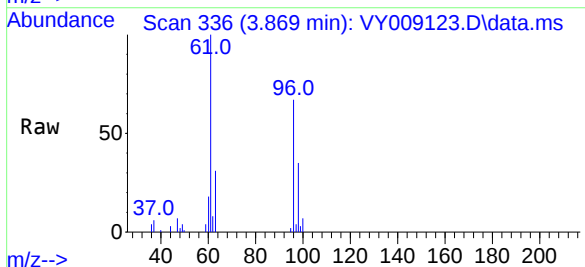
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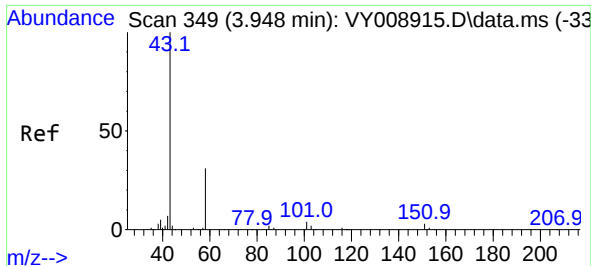
Tgt Ion: 64 Resp: 15902
Ion Ratio Lower Upper
64 100
66 33.6 25.4 38.0



#12
1,1-Dichloroethene
Concen: 9.255 ug/l
RT: 3.869 min Scan# 336
Delta R.T. 0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 96 Resp: 10373
Ion Ratio Lower Upper
96 100
61 149.9 145.8 218.6
98 52.2 52.5 78.7#

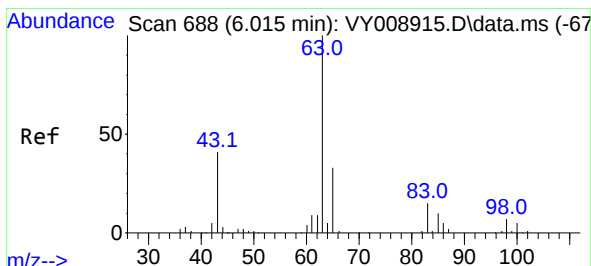
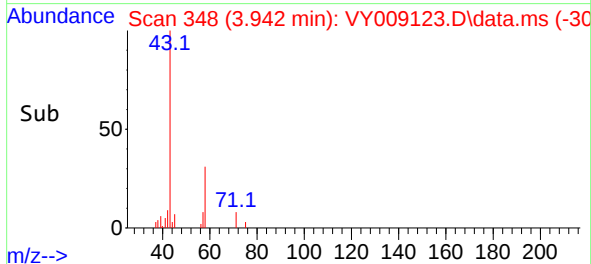
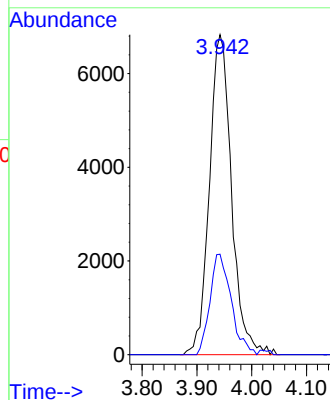
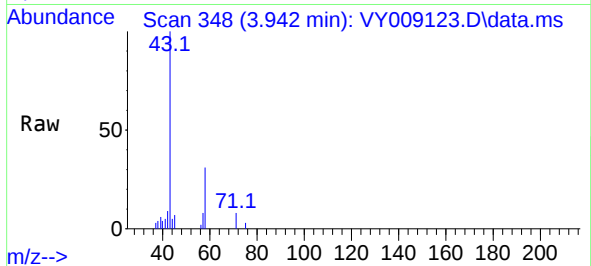




#16
Acetone
Concen: 74.972 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

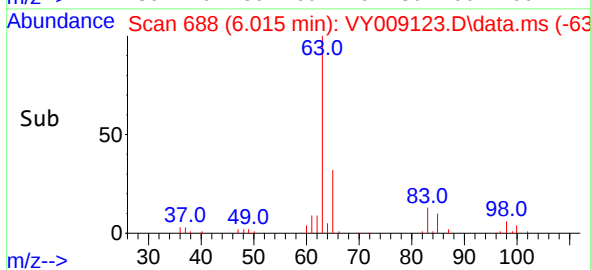
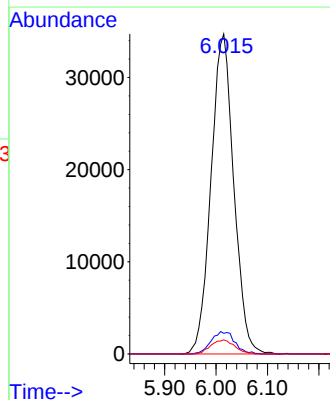
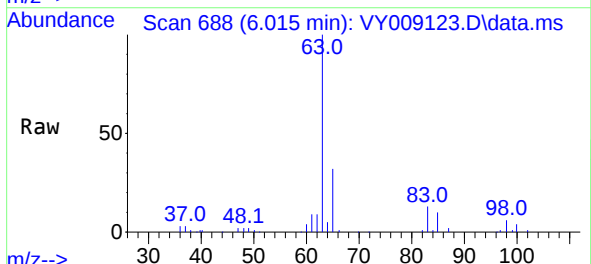
Instrument :
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ClientSampleId :
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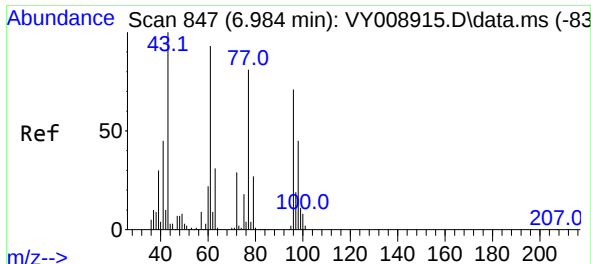
Tgt Ion: 43 Resp: 19139
Ion Ratio Lower Upper
43 100
58 31.4 22.0 33.0



#24
1,1-Dichloroethane
Concen: 43.984 ug/l
RT: 6.015 min Scan# 688
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 63 Resp: 106755
Ion Ratio Lower Upper
63 100
98 6.4 3.6 10.8
100 4.4 2.0 5.8

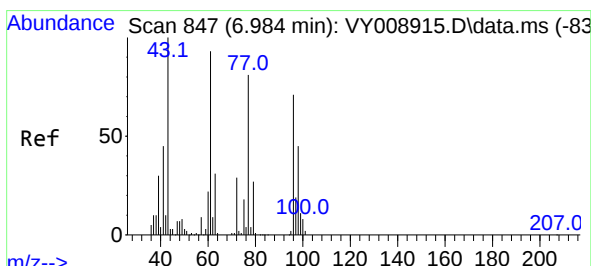
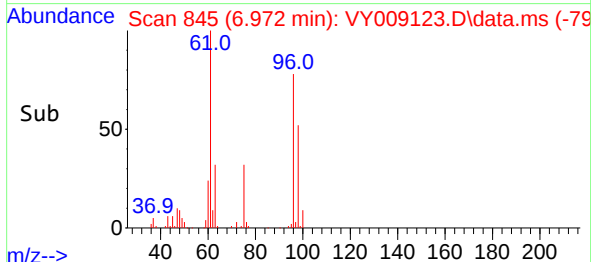
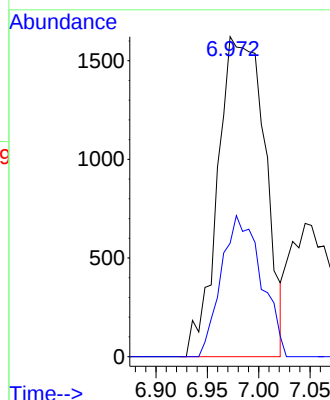
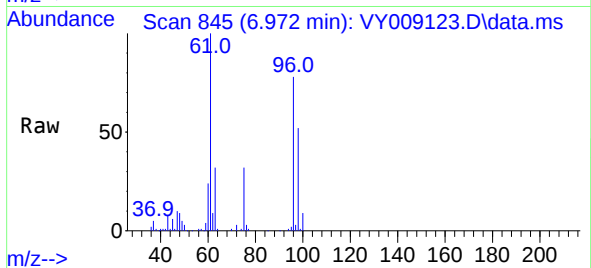




#25
2-Butanone
Concen: 11.268 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

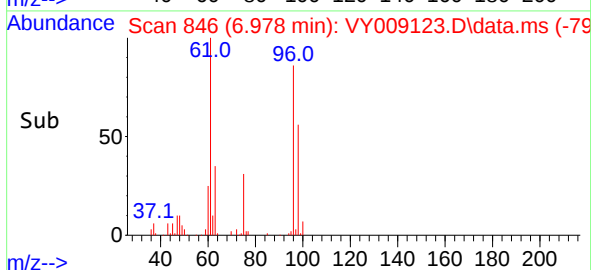
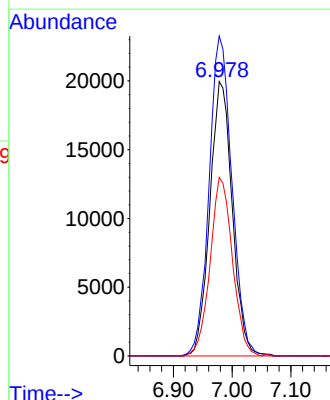
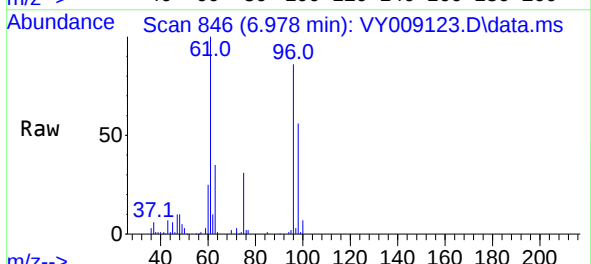
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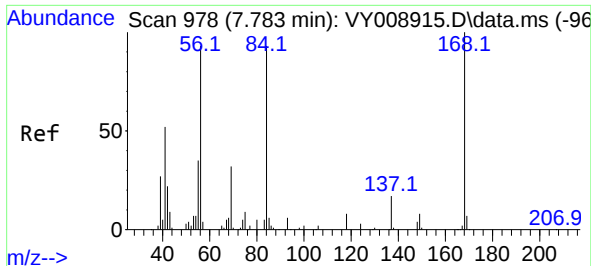
Tgt Ion: 43 Resp: 5138
Ion Ratio Lower Upper
43 100
72 35.5 17.7 26.5#



#27
cis-1,2-Dichloroethene
Concen: 32.607 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 96 Resp: 52879
Ion Ratio Lower Upper
96 100
61 118.8 0.0 319.8
98 64.9 0.0 127.0

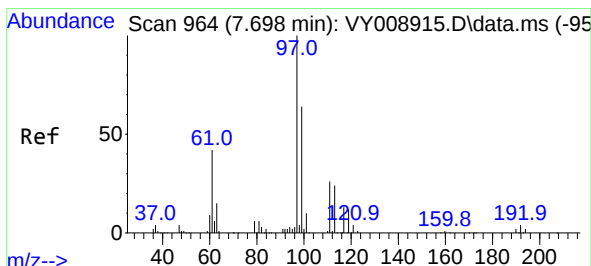
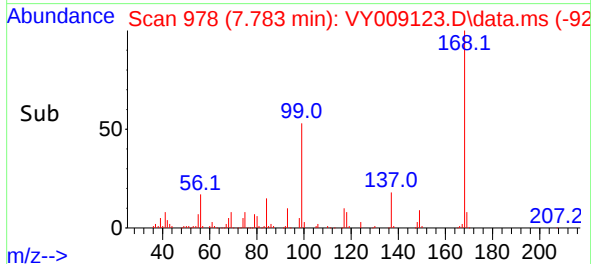
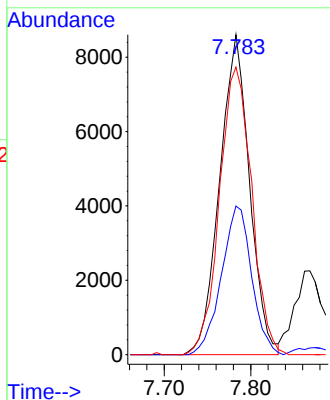
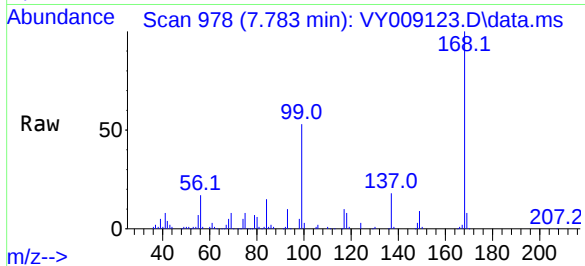




#31
Cyclohexane
Concen: 8.584 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

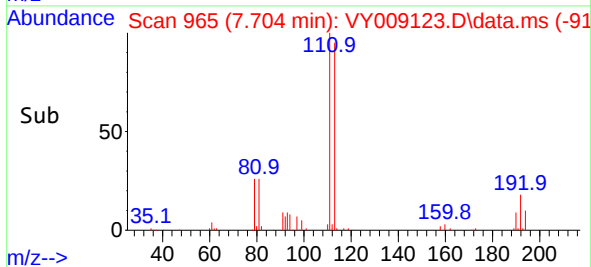
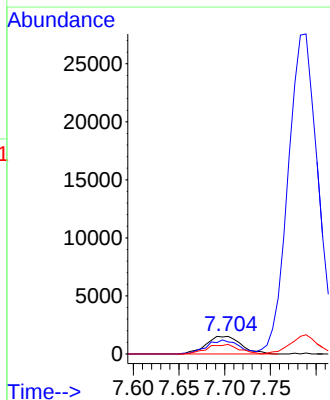
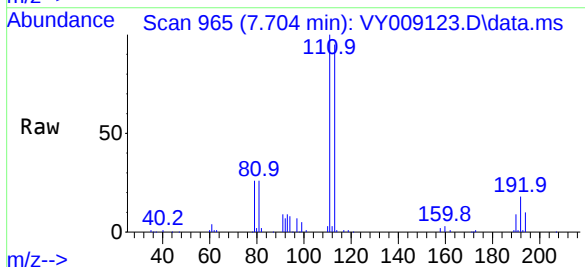
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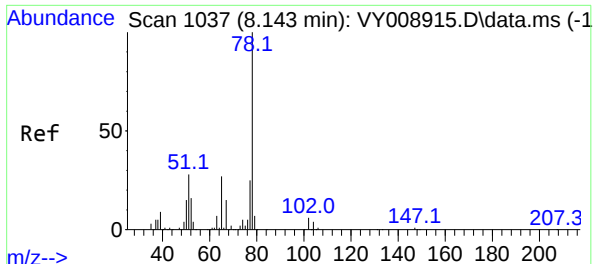
Tgt Ion: 56 Resp: 20594
Ion Ratio Lower Upper
56 100
69 46.5 26.7 40.1#
84 89.9 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 1.693 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 97 Resp: 4024
Ion Ratio Lower Upper
97 100
99 73.8 50.7 76.1
61 49.3 37.6 56.4





#33

1,2-Dichloroethane-d4

Concen: 59.690 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY009123.D

Acq: 02 Jun 2022 13:31

Instrument :

MSVOA_Y

ClientSampleId :

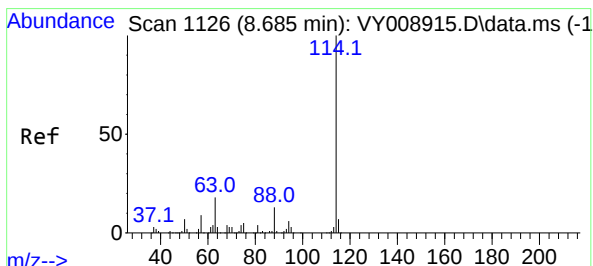
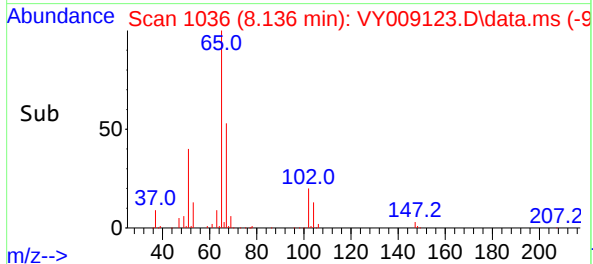
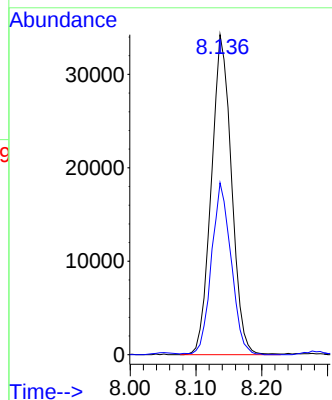
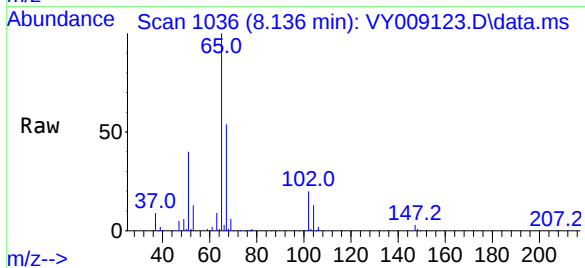
20220417-COMPOSITE-F

Tgt Ion: 65 Resp: 73204

Ion Ratio Lower Upper

65 100

67 52.3 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009123.D

Acq: 02 Jun 2022 13:31

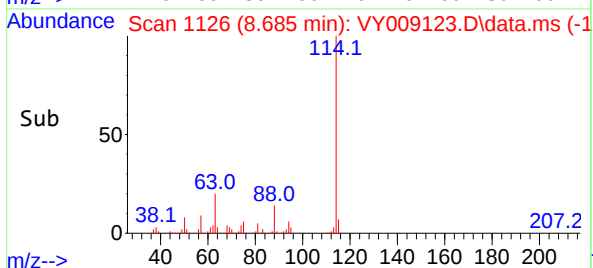
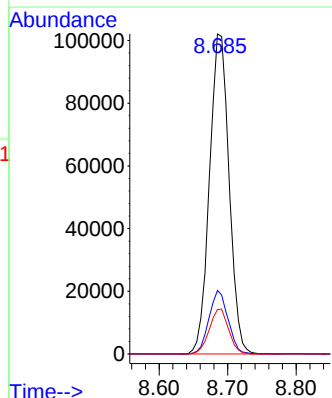
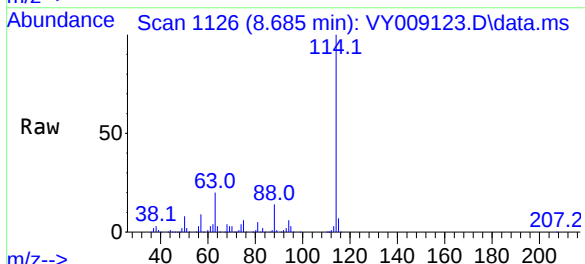
Tgt Ion:114 Resp: 202894

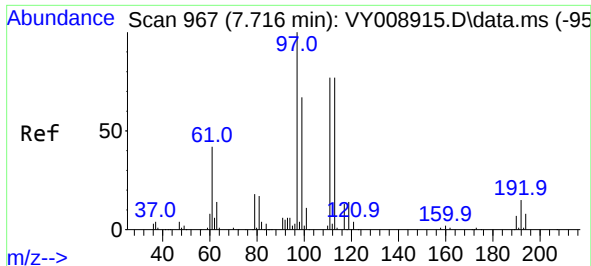
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 13.9 0.0 31.8

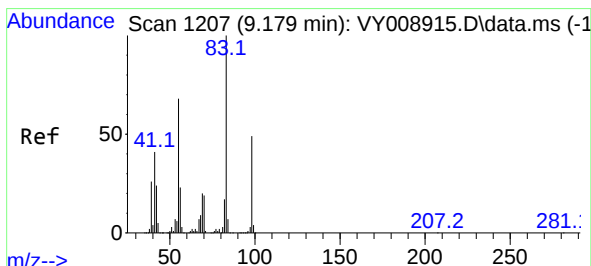
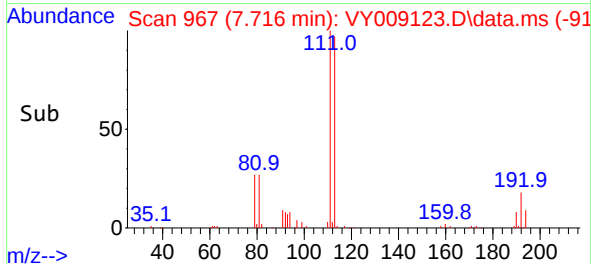
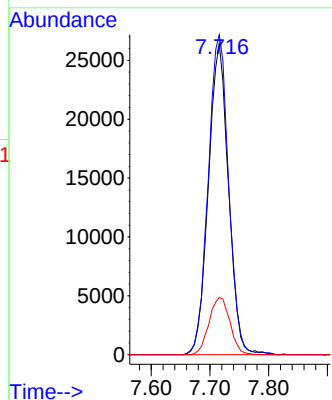
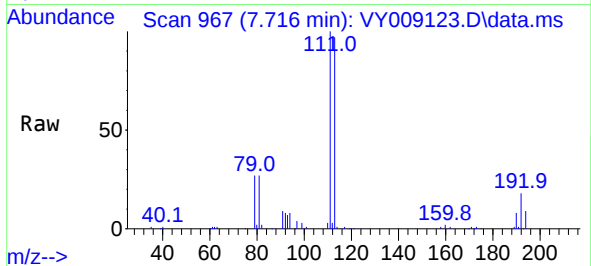




#35
Dibromofluoromethane
Concen: 49.705 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

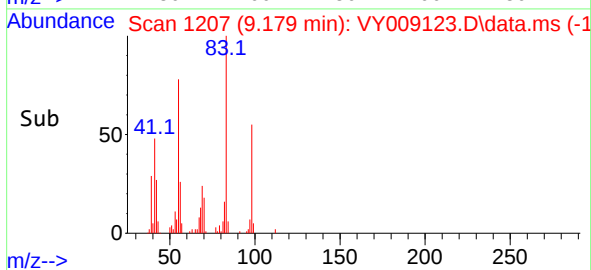
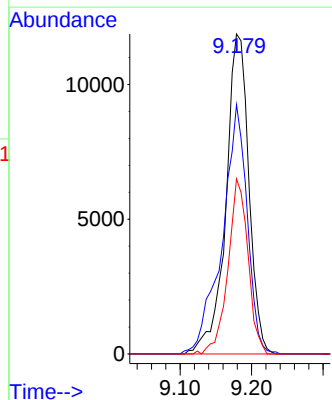
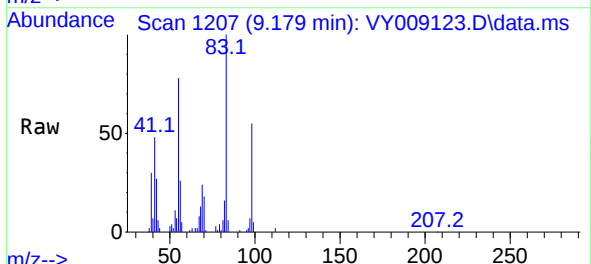
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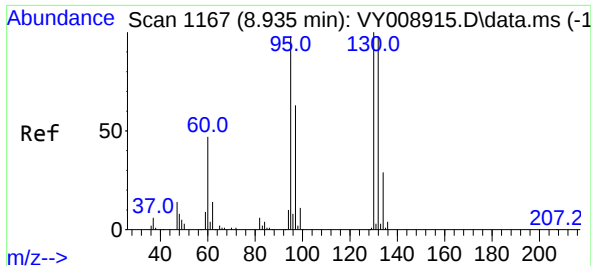
Tgt Ion:113 Resp: 62712
Ion Ratio Lower Upper
113 100
111 104.8 82.6 124.0
192 19.1 17.6 26.4



#39
Methylcyclohexane
Concen: 9.561 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 83 Resp: 26497
Ion Ratio Lower Upper
83 100
55 77.9 66.5 99.7
98 54.7 37.9 56.9

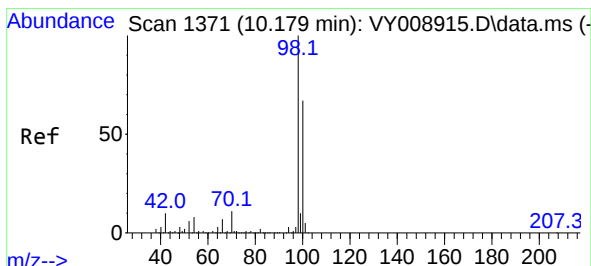
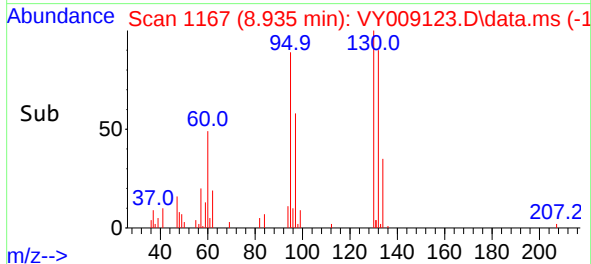
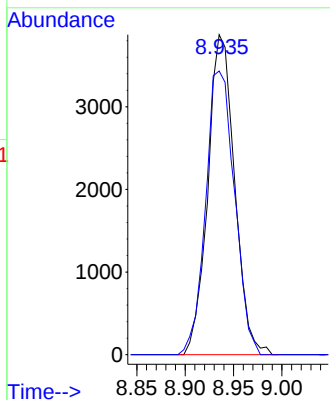
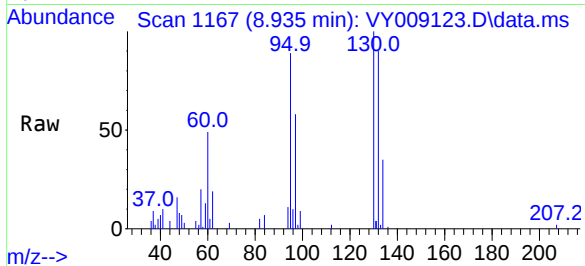




#44
Trichloroethene
Concen: 4.556 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

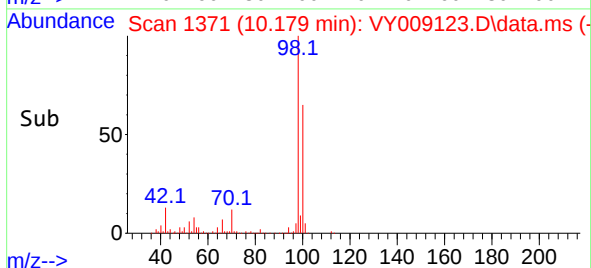
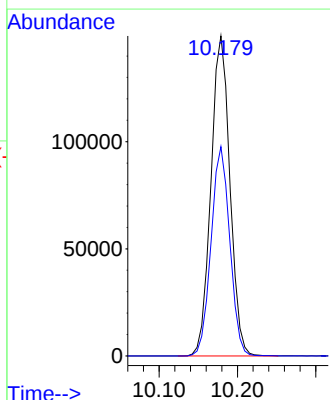
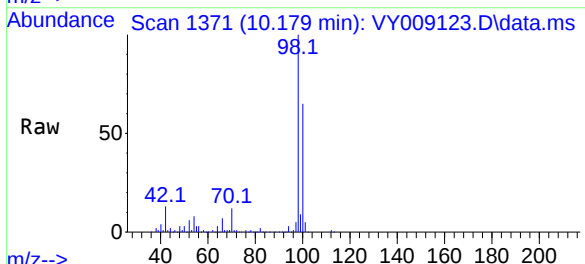
Instrument :
MSVOA_Y
ClientSampleId :
20220417-COMPOSITE-F

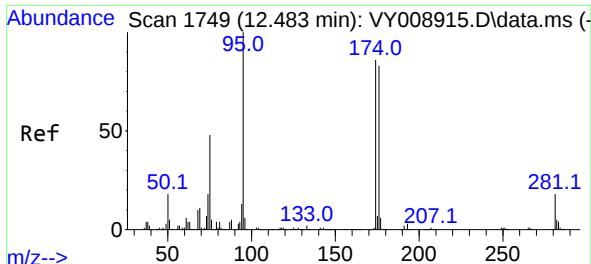
Tgt Ion:130 Resp: 7469
Ion Ratio Lower Upper
130 100
95 88.7 0.0 188.2



#50
Toluene-d8
Concen: 53.970 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 98 Resp: 251202
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

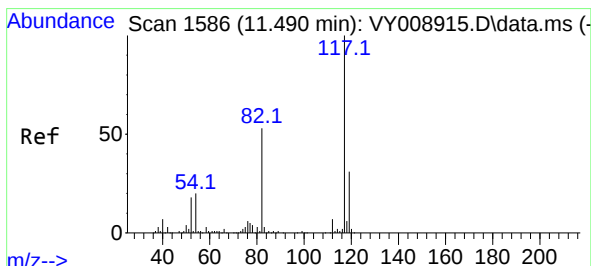
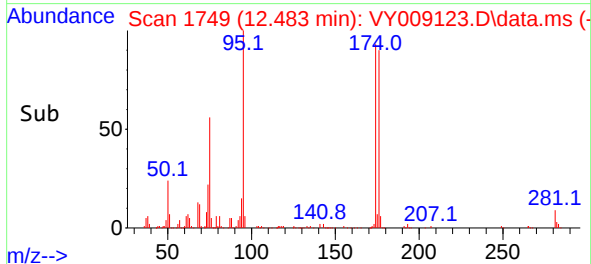
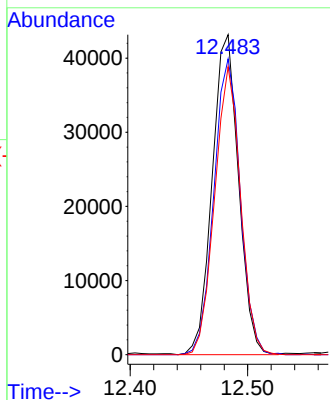
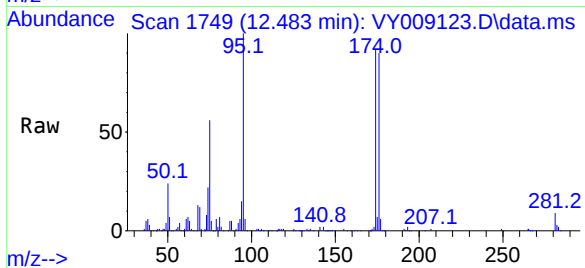




#62
4-Bromofluorobenzene
Concen: 35.845 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

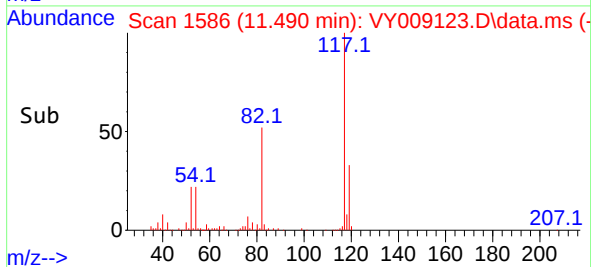
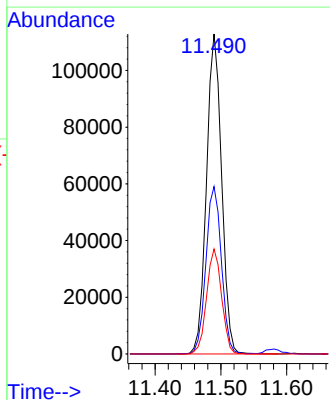
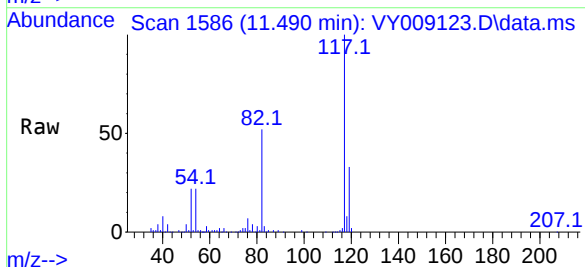
Instrument :
MSVOA_Y
ClientSampleId :
20220417-COMPOSITE-F

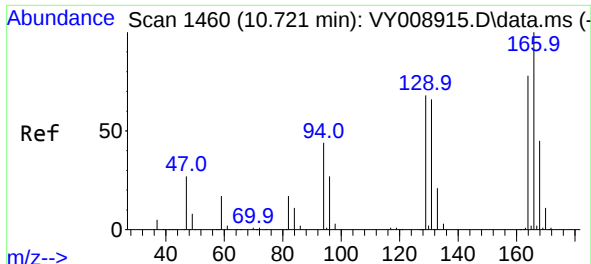
Tgt Ion: 95 Resp: 67302
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 88.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion: 117 Resp: 180549
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.8 25.4 38.0



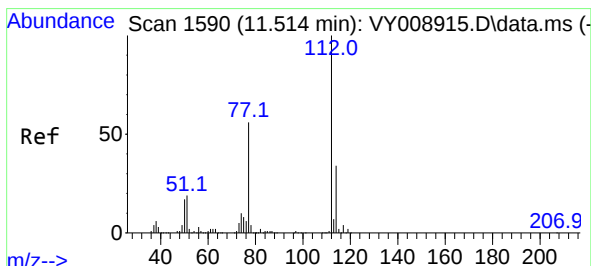
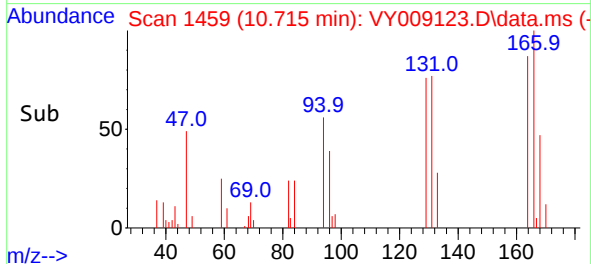
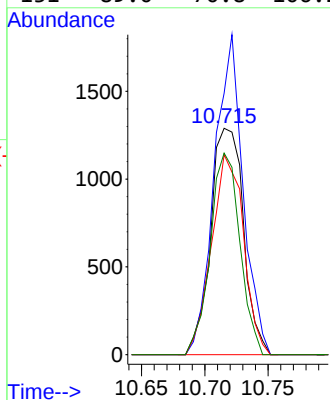
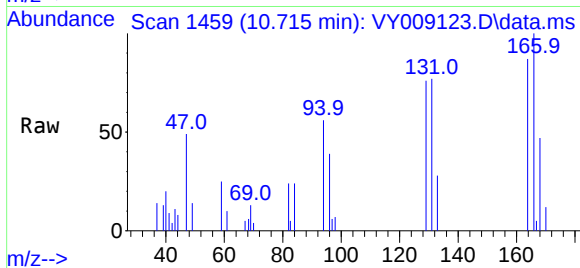


#64
Tetrachloroethene
Concen: 1.768 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Instrument :
MSVOA_Y
ClientSampleId :
20220417-COMPOSITE-F

Tgt Ion:164 Resp: 2323

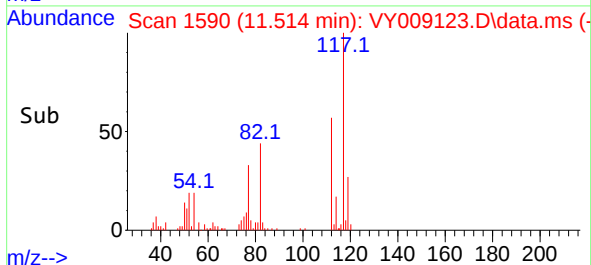
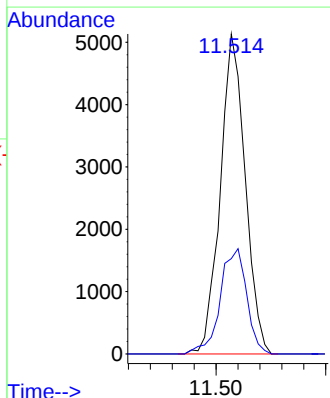
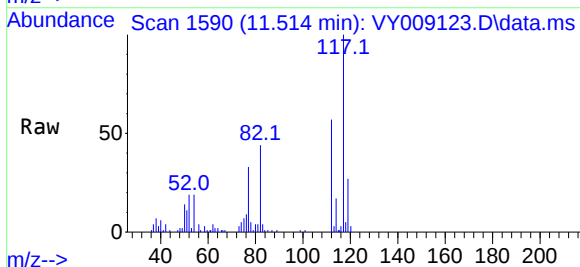
Ion	Ratio	Lower	Upper
164	100		
166	115.4	100.4	150.6
129	88.3	71.4	107.0
131	89.0	70.8	106.2

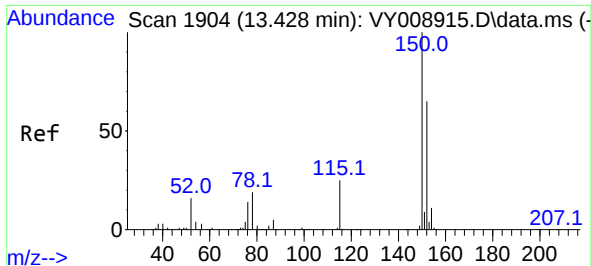


#65
Chlorobenzene
Concen: 1.957 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion:112 Resp: 8108

Ion	Ratio	Lower	Upper
112	100		
114	29.8	25.8	38.6

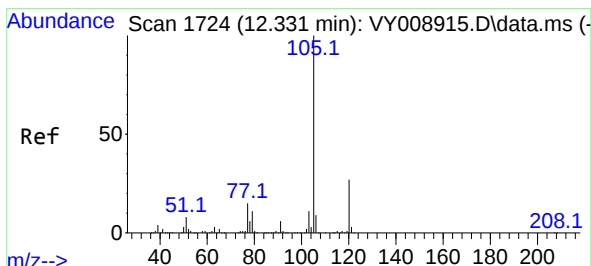
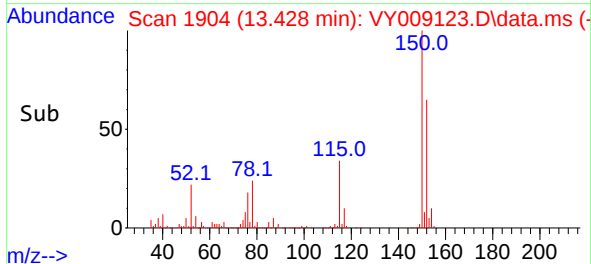
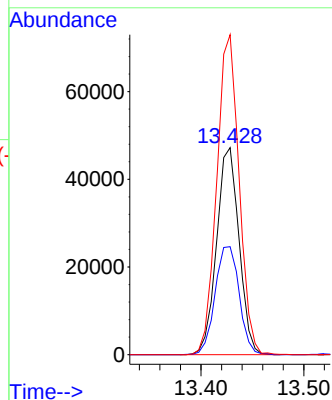
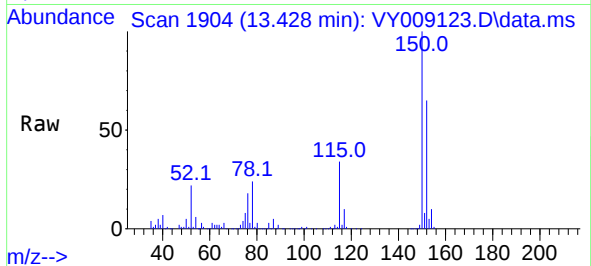




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Instrument :
MSVOA_Y
ClientSampleId :
20220417-COMPOSITE-F

Tgt Ion:152 Resp: 71461
Ion Ratio Lower Upper
152 100
115 56.2 28.2 84.7
150 154.0 0.0 347.6



#73
Isopropylbenzene
Concen: 1.769 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY009123.D
Acq: 02 Jun 2022 13:31

Tgt Ion:105 Resp: 9450
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.2

