

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050423\
 Data File : VY013598.D
 Acq On : 04 May 2023 14:29
 Operator : KP/MD
 Sample : 02505-05
 Misc : 5.22g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 05 00:59:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	222574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	319310	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	186803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	112080	45.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.880%
35) Dibromofluoromethane	7.722	113	96308	47.955	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.900%
50) Toluene-d8	10.179	98	344564	48.229	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.460%
62) 4-Bromofluorobenzene	12.483	95	68495	28.438	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.880%

Target Compounds				Qvalue		
11) Tert butyl alcohol	4.972	59	9821	36.294	ug/l #	89
13) Acrolein	3.710	56	805	Below Cal	#	1
15) Acrylonitrile	5.247	53	8587	10.524	ug/l #	38
16) Acetone	3.960	43	192713	200.564	ug/l	94
18) Methyl Acetate	4.558	43	6309	1.988	ug/l #	51
20) Methylene Chloride	4.710	84	16073	Below Cal	#	81
25) 2-Butanone	6.990	43	55306	45.386	ug/l #	85
29) Tetrahydrofuran	7.350	42	949	1.251	ug/l #	32
30) Chloroform	7.466	83	18054	3.884	ug/l #	18
31) Cyclohexane	7.771	56	230951	52.868	ug/l #	59
36) 1,1-Dichloropropene	7.789	75	16323	4.897	ug/l #	55
37) Ethyl Acetate	6.990	43	55306	22.050	ug/l #	78
38) Carbon Tetrachloride	7.789	117	21417	6.131	ug/l #	14
39) Methylcyclohexane	9.185	83	297506	75.714	ug/l #	85
40) Benzene	8.161	78	12631	1.345	ug/l	93
41) Methacrylonitrile	7.350	41	3024	2.587	ug/l #	39
43) Isopropyl Acetate	8.271	43	110142	26.016	ug/l #	53
45) 1,2-Dichloropropane	9.191	63	4963	2.022	ug/l #	1
47) Bromodichloromethane	9.478	83	8828	2.686	ug/l #	25
48) Methyl methacrylate	9.325	41	71921	36.989	ug/l #	28
49) 1,4-Dioxane	9.130	88	33	1.573	ug/l #	25
51) 4-Methyl-2-Pentanone	10.173	43	9660	4.095	ug/l	99
52) Toluene	10.246	92	2647715	468.627	ug/l	100
55) 1,1,2-Trichloroethane	10.618	97	88878	45.692	ug/l #	30
56) Ethyl methacrylate	10.520	69	18521	6.863	ug/l #	41
58) 2-Chloroethyl Vinyl ether	9.758	63	6359	6.284	ug/l #	45
59) 2-Hexanone	10.807	43	81998	47.814	ug/l #	31
60) Dibromochloromethane	10.721	129	50254	21.277	ug/l #	11
64) Tetrachloroethene	10.721	164	56274	39.617	ug/l	96
67) Ethyl Benzene	11.593	91	533800	74.703	ug/l	98
68) m/p-Xylenes	11.703	106	755415	278.089	ug/l	96
69) o-Xylene	12.026	106	581137	226.205	ug/l	95
70) Styrene	12.032	104	33224	7.734	ug/l #	1
73) Isopropylbenzene	12.331	105	154135	52.993	ug/l	98
74) N-amyl acetate	12.117	43	131490	127.037	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.569	83	6323	8.894	ug/l #	1

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

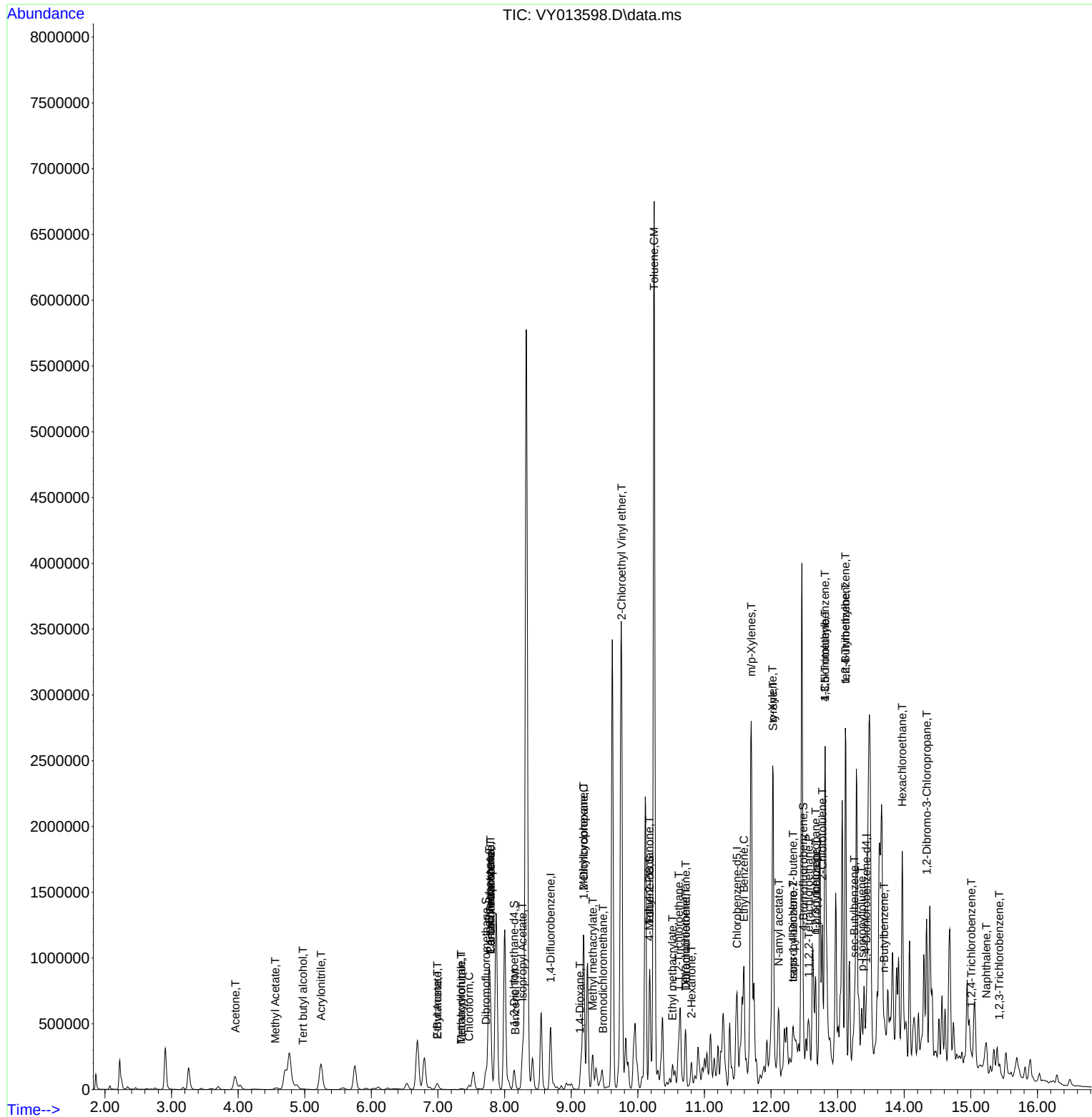
76) 1,2,3-Trichloropropane	12.672	75	3272	6.309	ug/l #	100	
78) n-propylbenzene	12.672	91	422062	117.809	ug/l	97	
79) 2-Chlorotoluene	12.770	91	55854	27.918	ug/l #	40	
80) 1,3,5-Trimethylbenzene	12.812	105	851654	358.744	ug/l	97	
81) trans-1,4-Dichloro-2-b...	12.331	75	1951	7.695	ug/l #	3	
82) 4-Chlorotoluene	12.812	91	97498	46.757	ug/l #	45	
83) tert-Butylbenzene	13.117	119	162285	78.904	ug/l #	64	
84) 1,2,4-Trimethylbenzene	13.117	105	1314866	569.681	ug/l	100	
85) sec-Butylbenzene	13.251	105	74161	24.025	ug/l #	58	
86) p-Isopropyltoluene	13.367	119	36126	14.553	ug/l	96	
89) n-Butylbenzene	13.696	91	64950	26.808	ug/l #	71	
90) Hexachloroethane	13.971	117	61722	118.142	ug/l #	8	
92) 1,2-Dibromo-3-Chloropr...	14.337	75	4132	32.909	ug/l #	7	
93) 1,2,4-Trichlorobenzene	15.007	180	839	1.161	ug/l #	1	
95) Naphthalene	15.233	128	77484	49.401	ug/l #	74	
96) 1,2,3-Trichlorobenzene	15.428	180	1402	2.176	ug/l #	70	

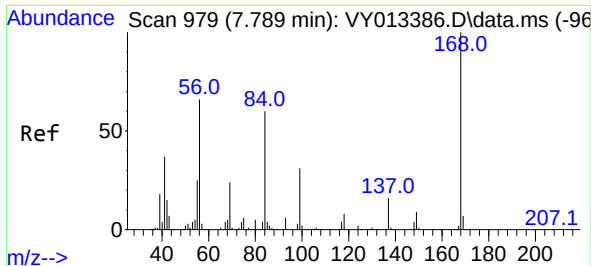
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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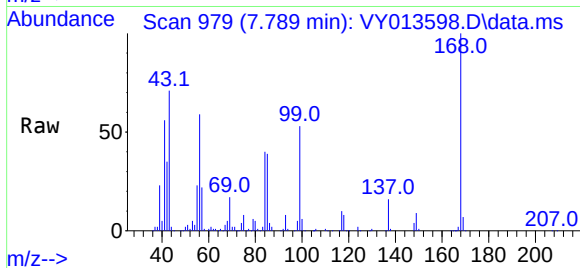
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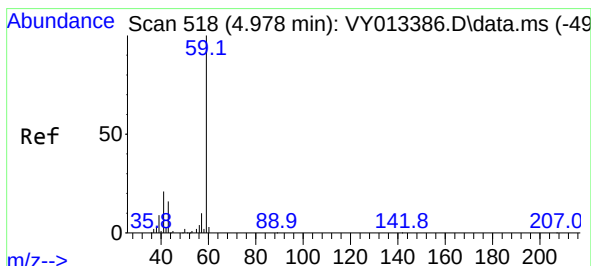
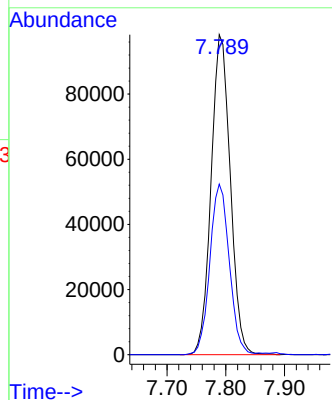
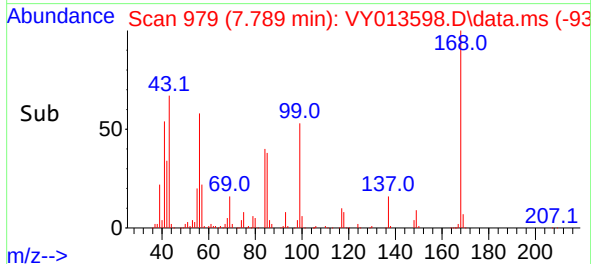


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

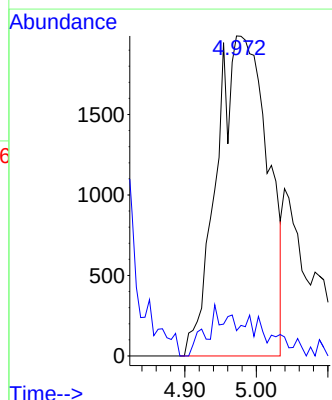
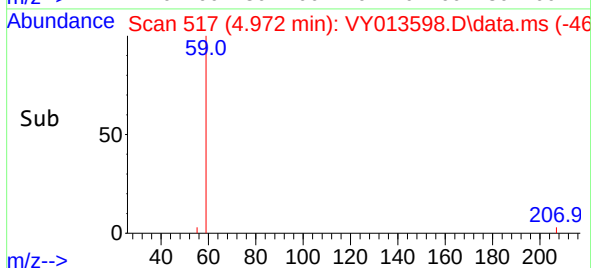
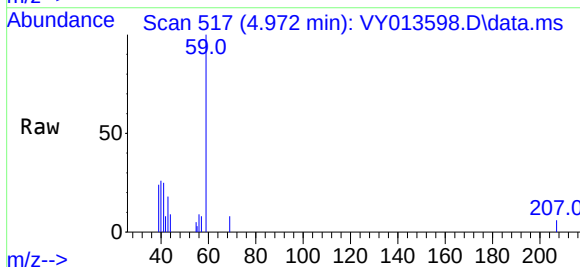


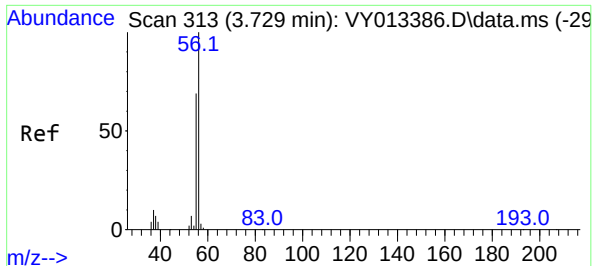
Tgt Ion:168 Resp: 222574
Ion Ratio Lower Upper
168 100
99 53.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 36.294 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 59 Resp: 9821
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

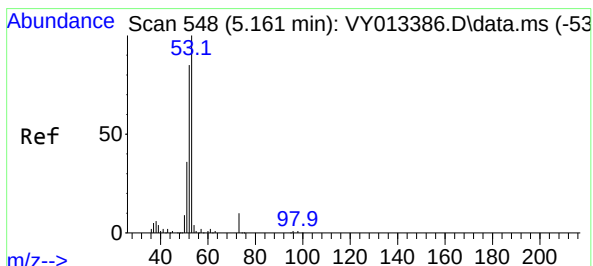
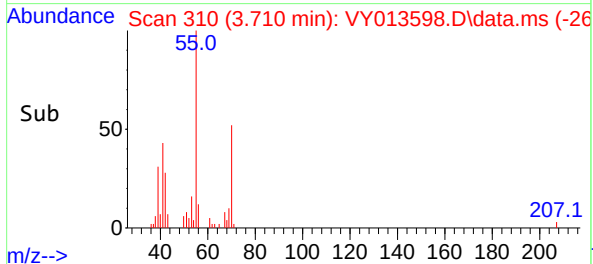
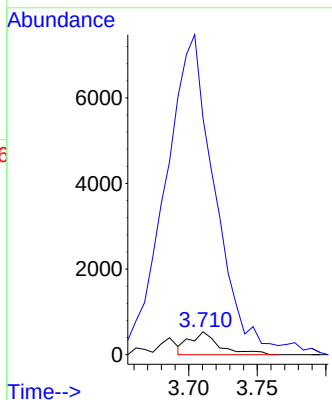
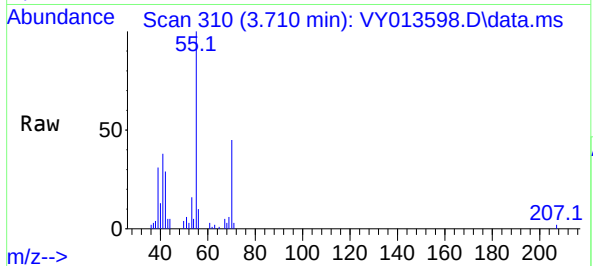




#13
Acrolein
Concen: Below Cal
RT: 3.710 min Scan# 31
Delta R.T. -0.019 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

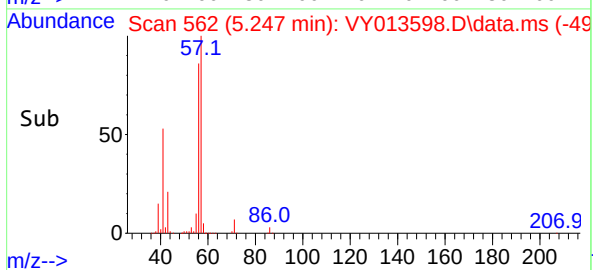
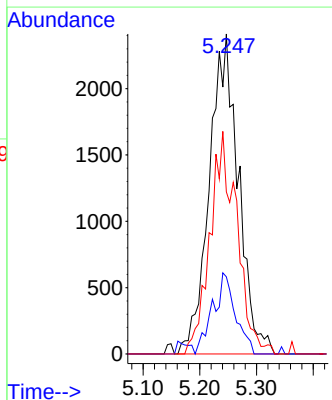
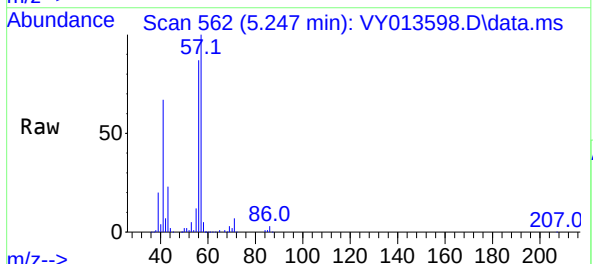
Instrument :
MSVOA_Y
ClientSampleId :

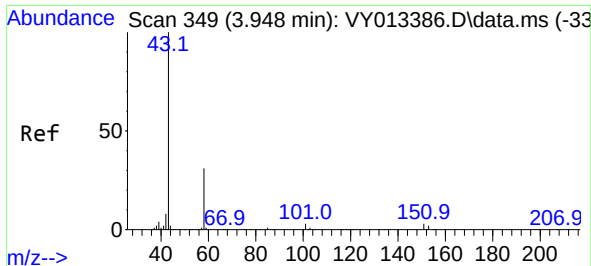
Tgt Ion: 56 Resp: 805
Ion Ratio Lower Upper
56 100
55 2364.7 54.1 81.1#



#15
Acrylonitrile
Concen: 10.524 ug/l
RT: 5.247 min Scan# 562
Delta R.T. 0.086 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 53 Resp: 8587
Ion Ratio Lower Upper
53 100
52 19.7 65.4 98.0#
51 64.3 29.3 43.9#

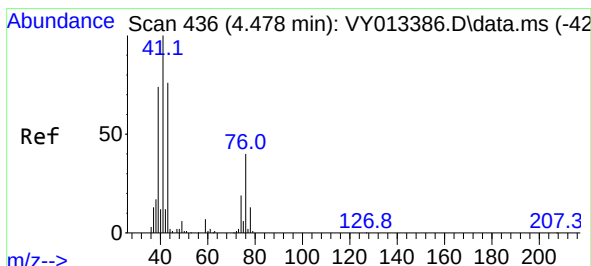
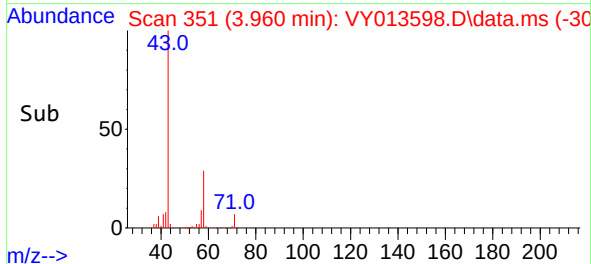
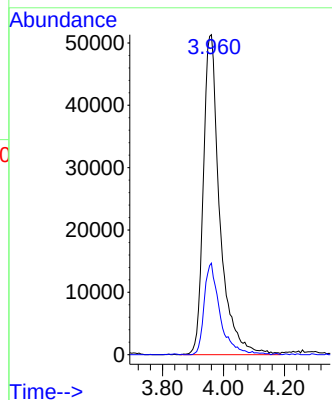
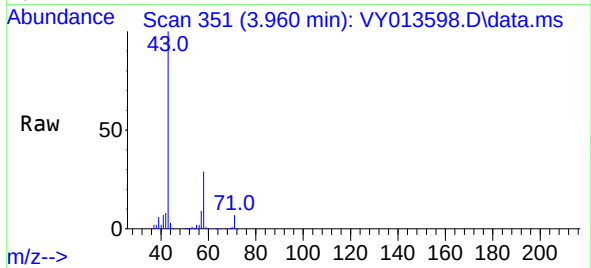




#16
Acetone
Concen: 200.564 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

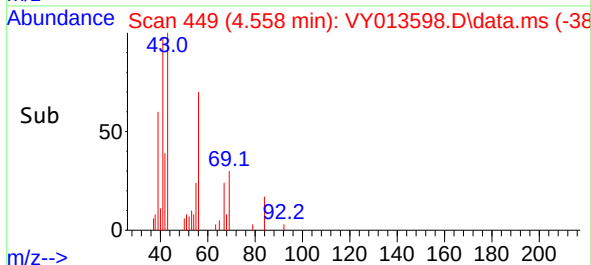
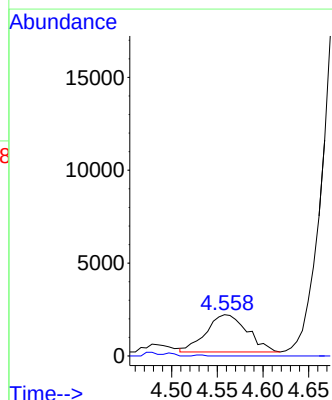
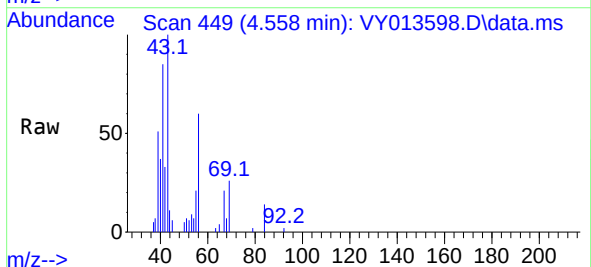
Instrument :
MSVOA_Y
ClientSampleId :

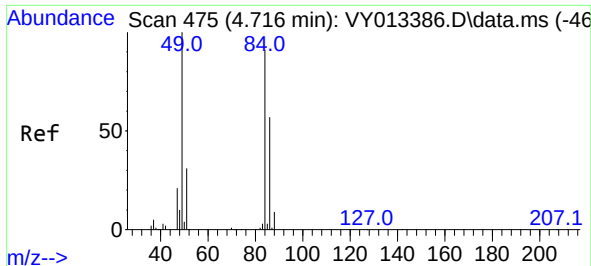
Tgt Ion: 43 Resp: 192713
Ion Ratio Lower Upper
43 100
58 28.6 25.4 38.0



#18
Methyl Acetate
Concen: 1.988 ug/l
RT: 4.558 min Scan# 449
Delta R.T. 0.080 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

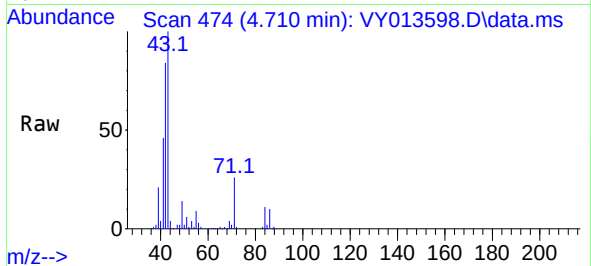
Tgt Ion: 43 Resp: 6309
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#





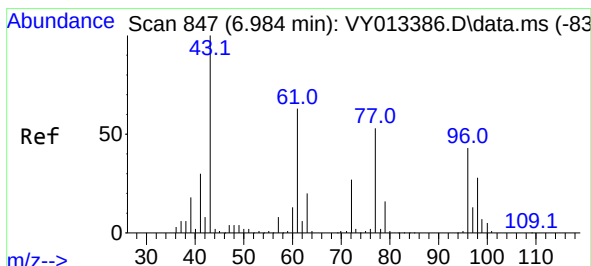
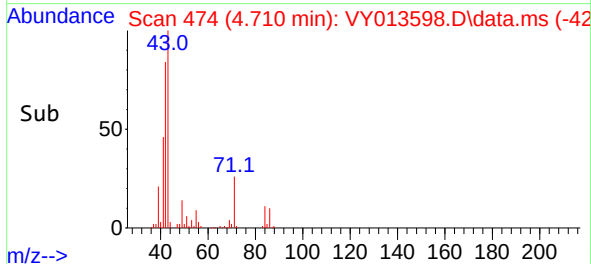
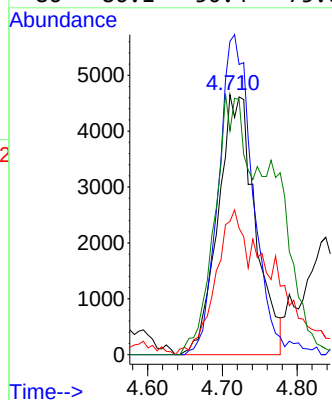
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 16073

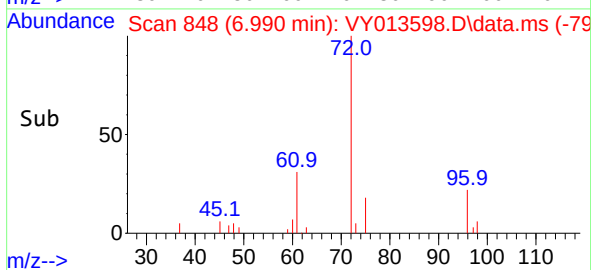
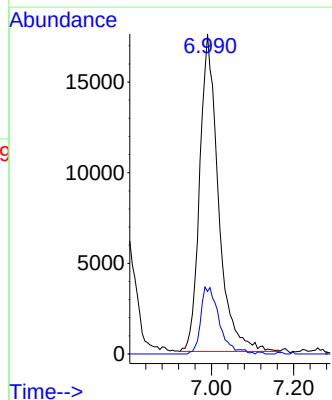
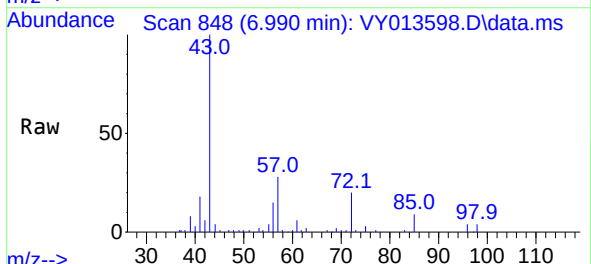
Ion	Ratio	Lower	Upper
84	100		
49	120.6	88.0	132.0
51	49.1	27.4	41.0#
86	86.1	50.4	75.6#

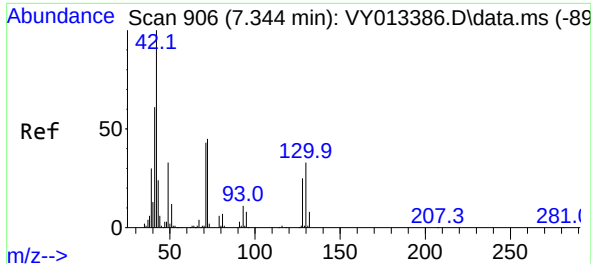


#25
2-Butanone
Concen: 45.386 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 43 Resp: 55306

Ion	Ratio	Lower	Upper
43	100		
72	19.7	21.9	32.9#





#29

Tetrahydrofuran

Concen: 1.251 ug/l

RT: 7.350 min Scan# 90

Delta R.T. 0.006 min

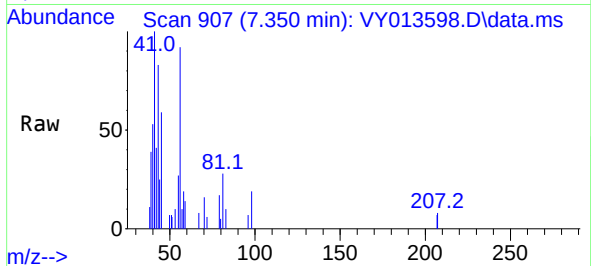
Lab File: VY013598.D

Acq: 04 May 2023 14:29

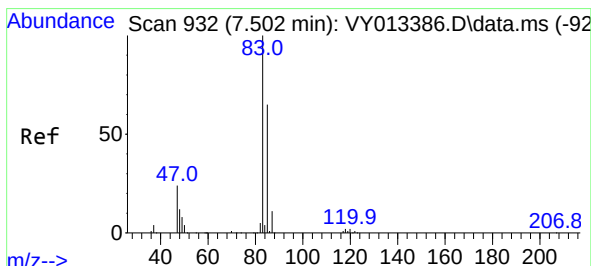
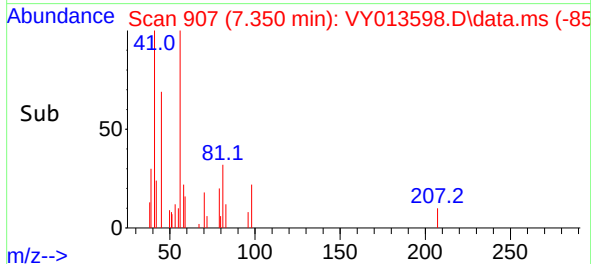
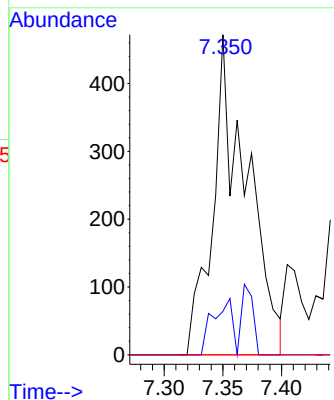
Instrument :

MSVOA_Y

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Tgt Ion:	42	Resp:	949
Ion	Ratio	Lower	Upper
42	100		
72	0.0	35.9	53.9#
71	0.0	34.3	51.5#



#30

Chloroform

Concen: 3.884 ug/l

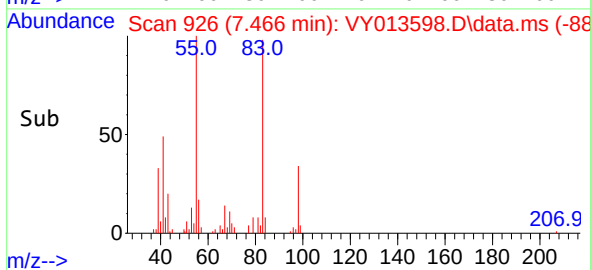
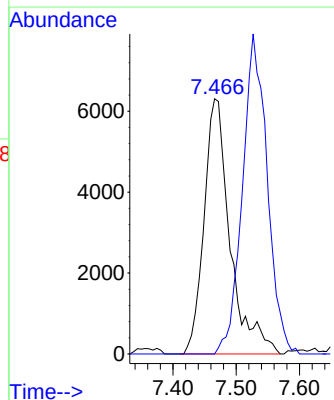
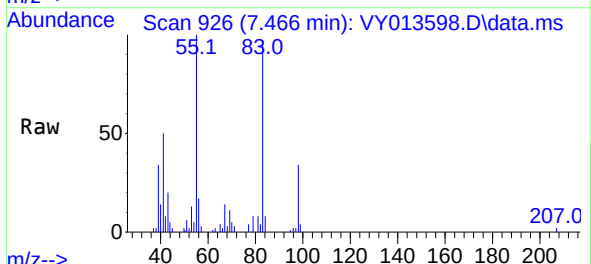
RT: 7.466 min Scan# 926

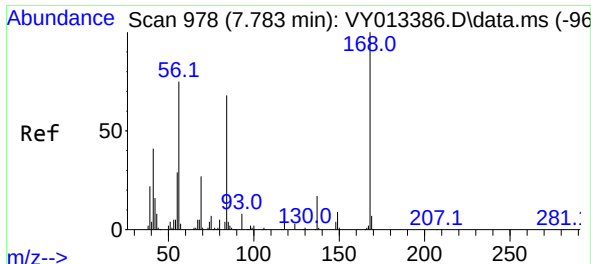
Delta R.T. -0.036 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

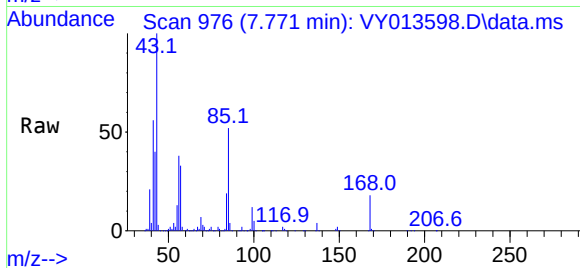
Tgt Ion:	83	Resp:	18054
Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.0	78.0#



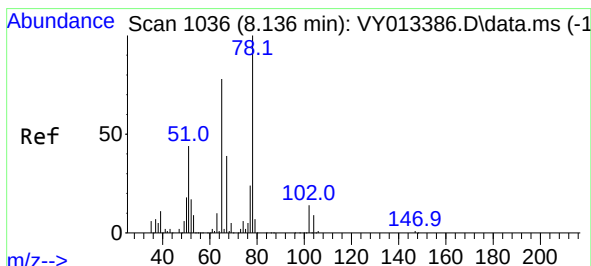
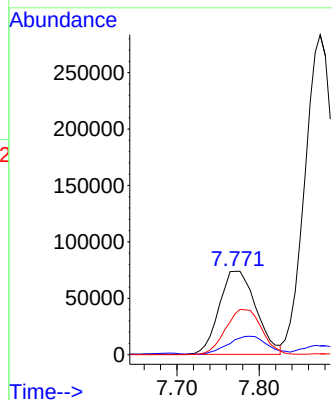
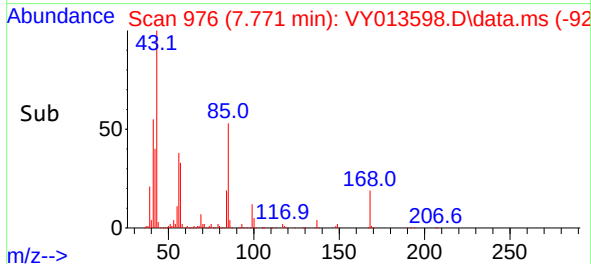


#31
Cyclohexane
Concen: 52.868 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
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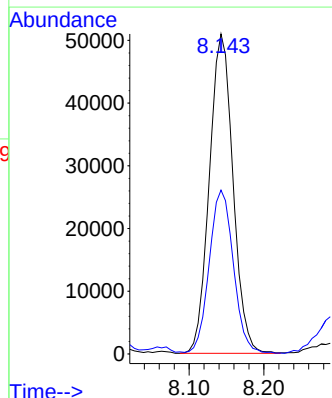
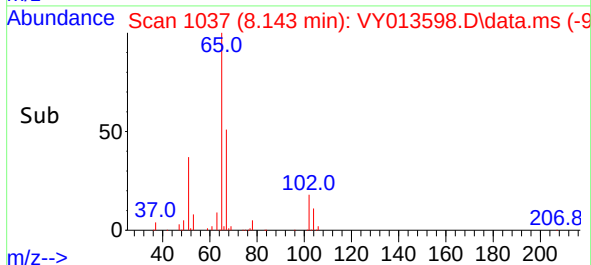
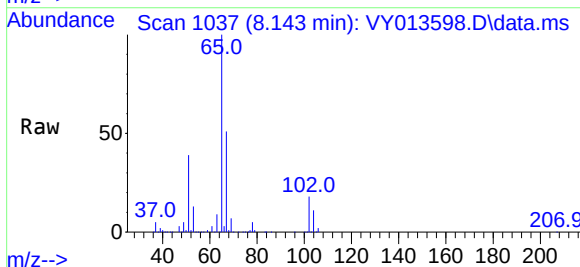


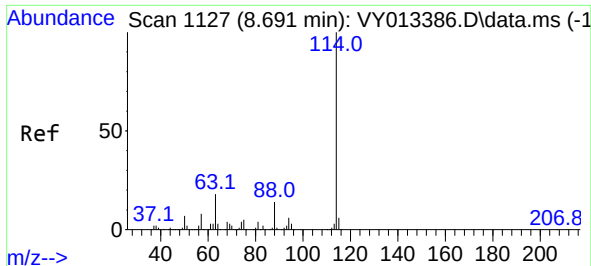
Tgt Ion: 56 Resp: 230951
Ion Ratio Lower Upper
56 100
69 17.0 29.2 43.8#
84 49.2 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 45.936 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 65 Resp: 112080
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

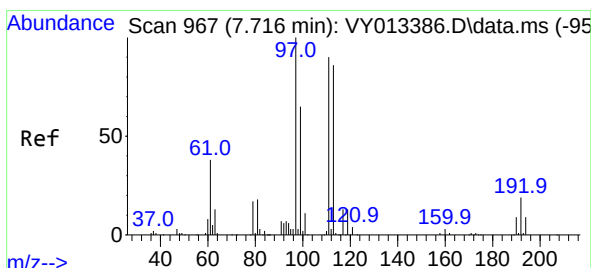
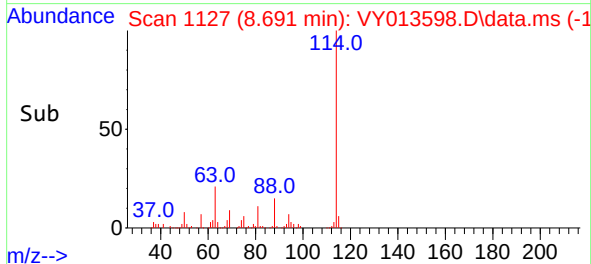
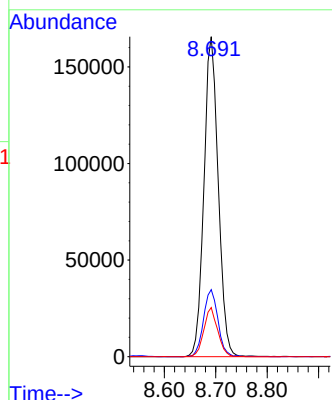
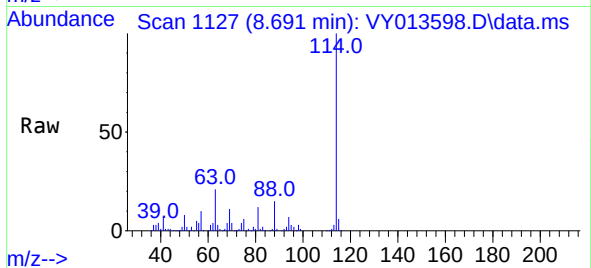
Tgt Ion:114 Resp: 319310

Ion Ratio Lower Upper

114 100

63 20.9 0.0 36.6

88 15.3 0.0 28.8



#35

Dibromofluoromethane

Concen: 47.955 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

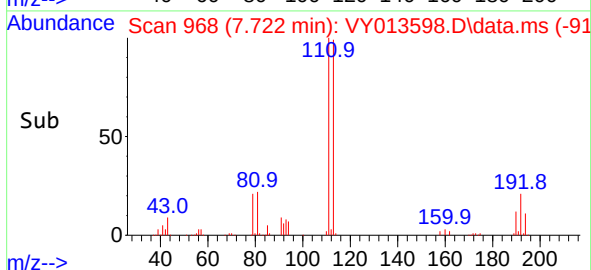
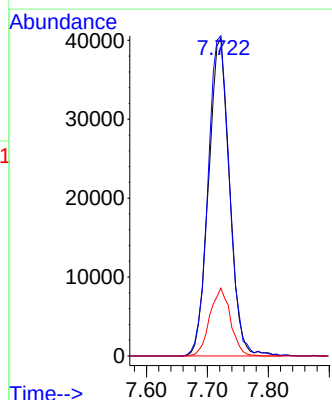
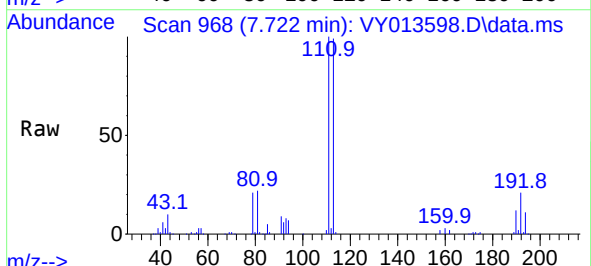
Tgt Ion:113 Resp: 96308

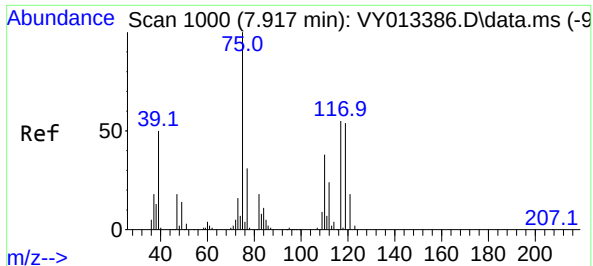
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

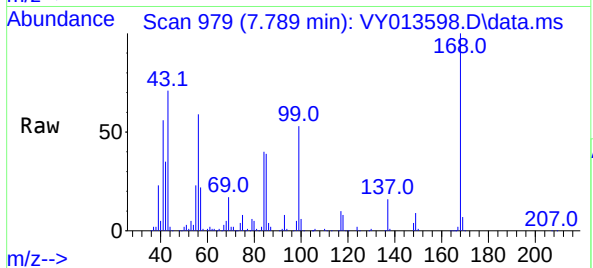
192 21.0 16.7 25.1



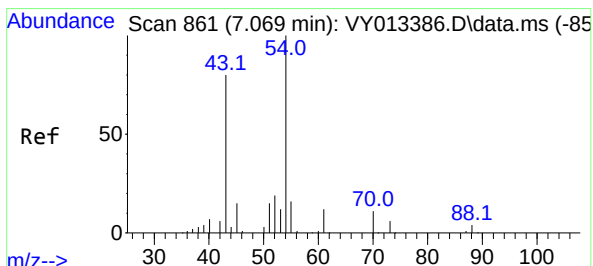
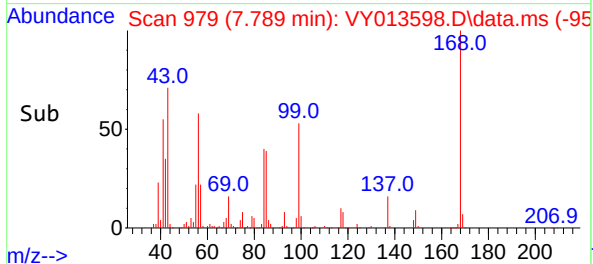
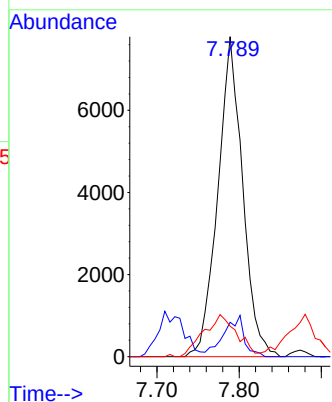


#36
1,1-Dichloropropene
Concen: 4.897 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

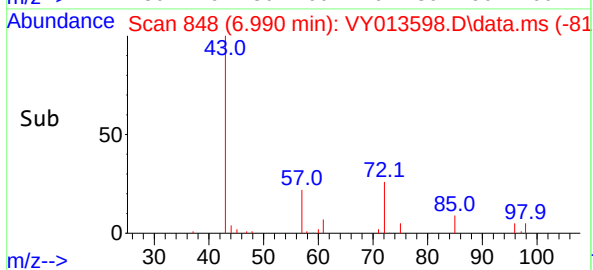
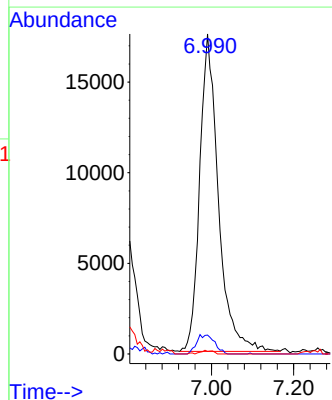
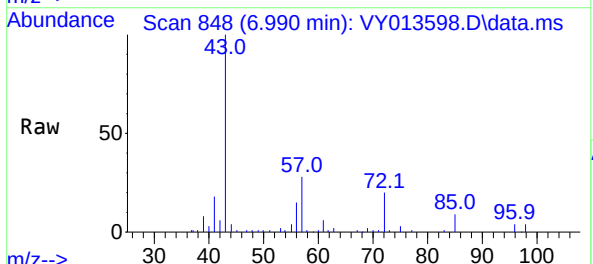


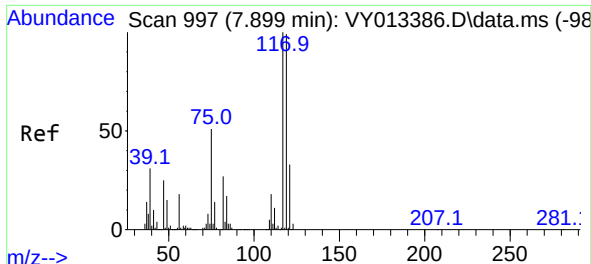
Tgt Ion: 75 Resp: 16323
Ion Ratio Lower Upper
75 100
110 0.0 18.7 56.1#
77 17.7 24.6 37.0#



#37
Ethyl Acetate
Concen: 22.050 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

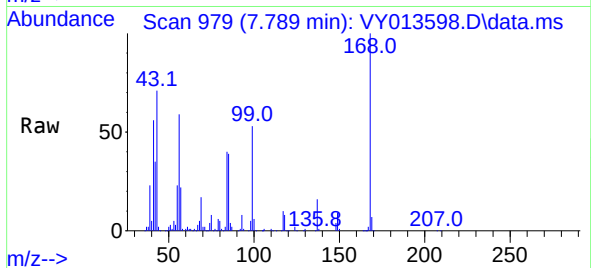
Tgt Ion: 43 Resp: 55306
Ion Ratio Lower Upper
43 100
61 5.8 11.4 17.0#
70 0.7 7.9 11.9#



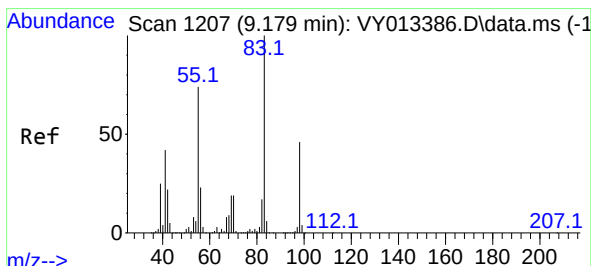
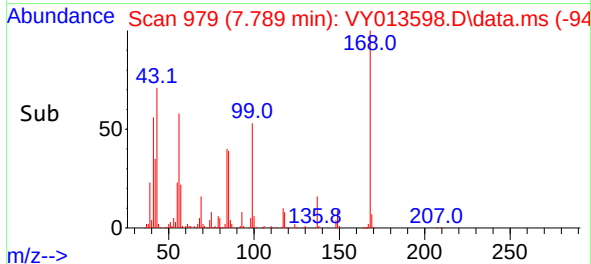
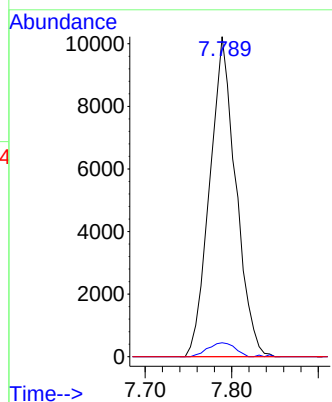


#38
Carbon Tetrachloride
Concen: 6.131 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

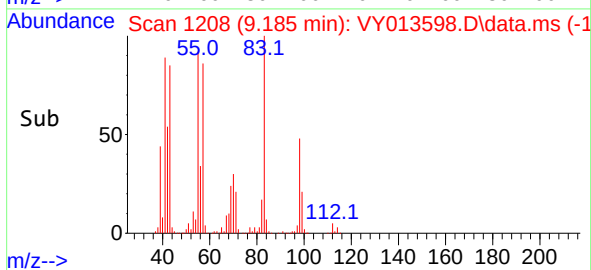
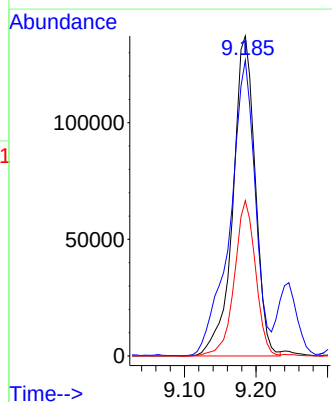
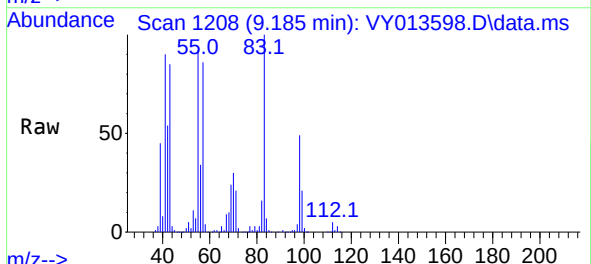


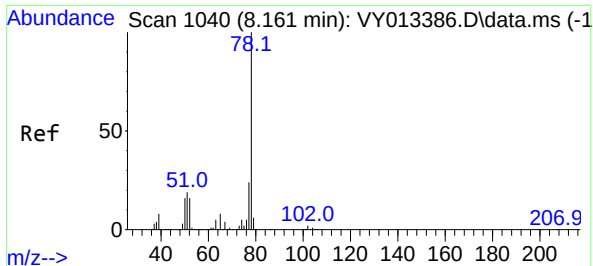
Tgt Ion:117 Resp: 21417
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 26.6 40.0#



#39
Methylcyclohexane
Concen: 75.714 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 83 Resp: 297506
Ion Ratio Lower Upper
83 100
55 92.3 59.0 88.4#
98 48.5 37.0 55.4

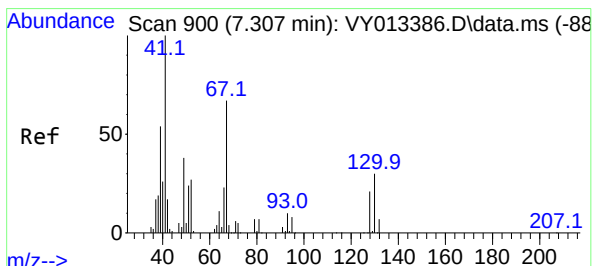
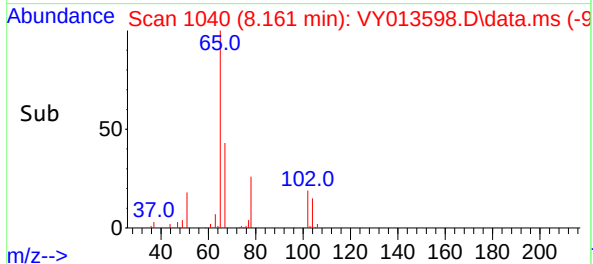
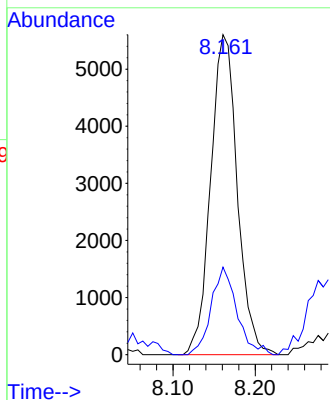
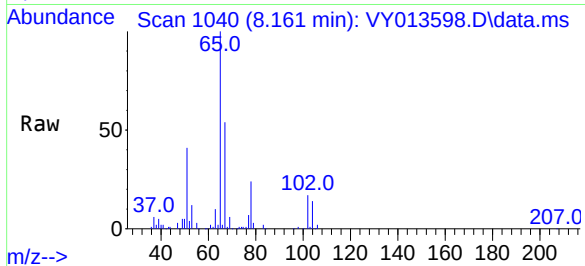




#40
Benzene
Concen: 1.345 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

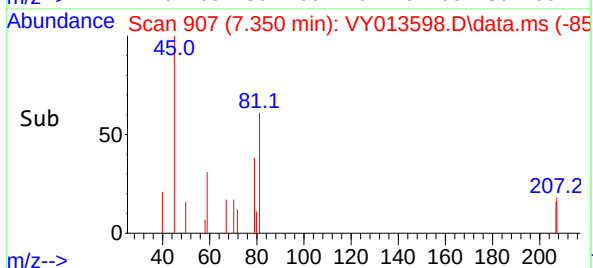
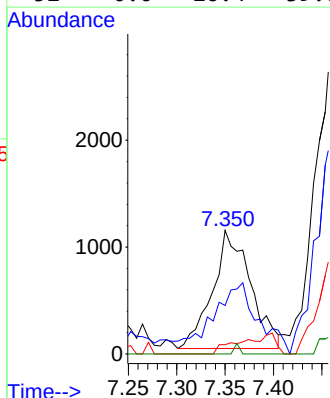
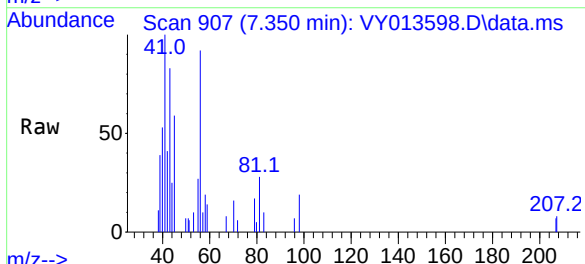
Instrument :
MSVOA_Y
ClientSampleId :

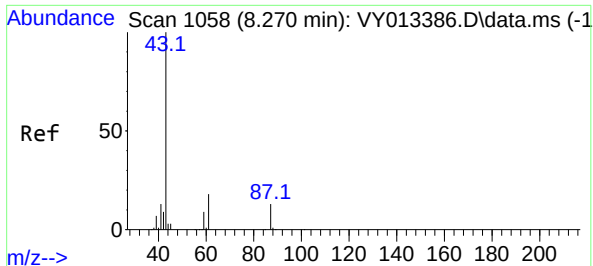
Tgt Ion: 78 Resp: 12631
Ion Ratio Lower Upper
78 100
77 27.4 19.2 28.8



#41
Methacrylonitrile
Concen: 2.587 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

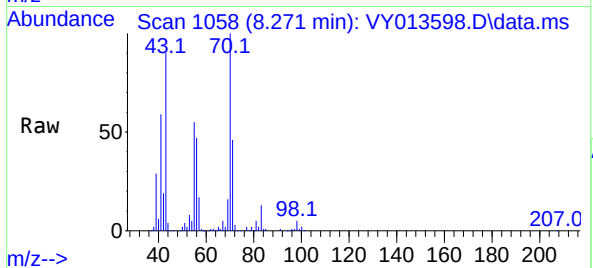
Tgt Ion: 41 Resp: 3024
Ion Ratio Lower Upper
41 100
39 71.7 44.2 66.4#
67 0.0 62.9 94.3#
52 0.0 26.4 39.6#



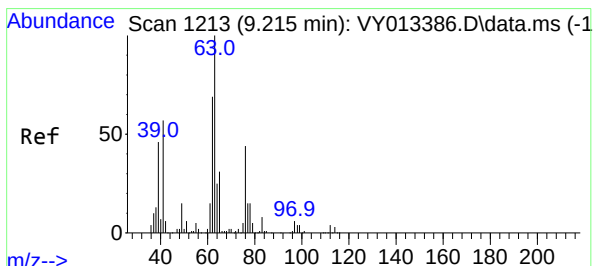
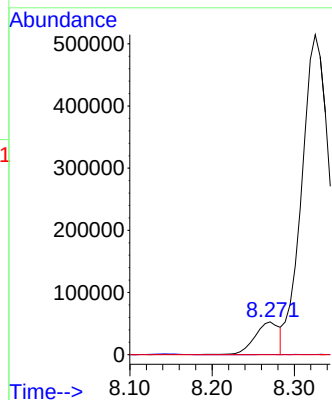
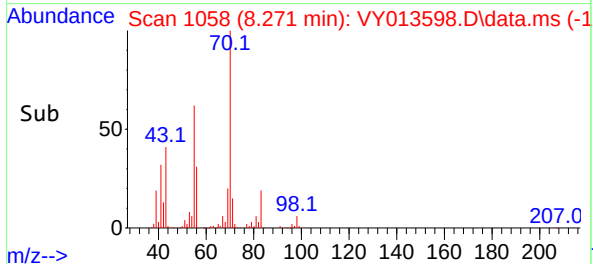


#43
Isopropyl Acetate
Concen: 26.016 ug/l
RT: 8.271 min Scan# 110142
Delta R.T. 0.001 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

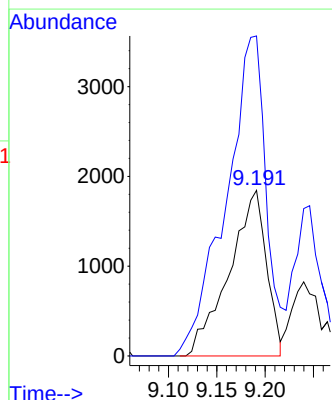
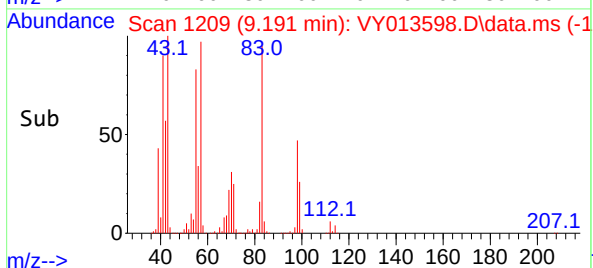
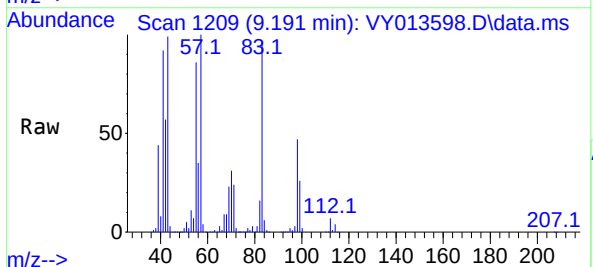


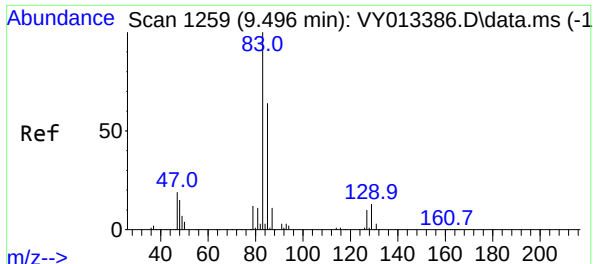
Tgt Ion: 43 Resp: 110142
Ion Ratio Lower Upper
43 100
61 0.2 22.2 33.4#
87 0.0 11.0 16.6#



#45
1,2-Dichloropropane
Concen: 2.022 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.024 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 63 Resp: 4963
Ion Ratio Lower Upper
63 100
65 189.2 24.6 37.0#

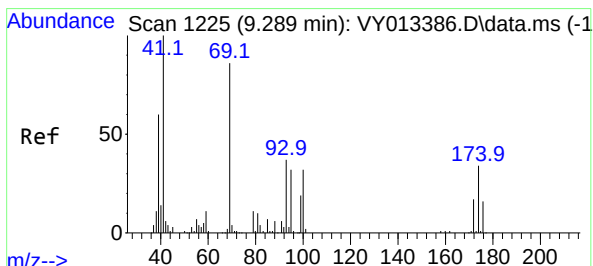
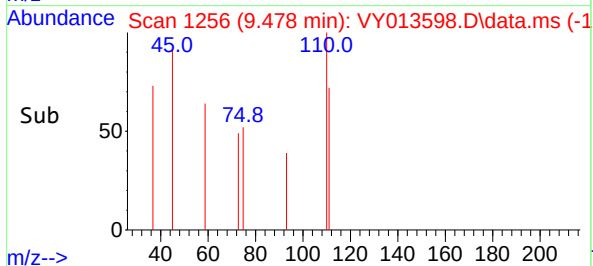
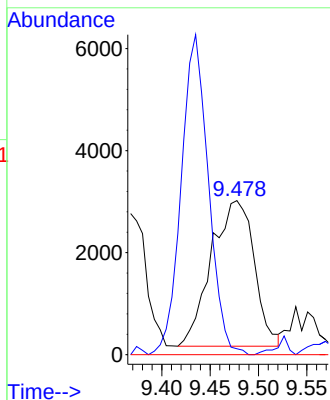
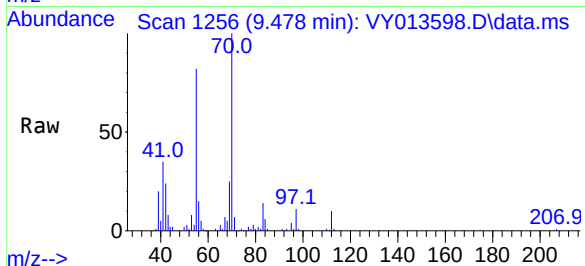




#47
Bromodichloromethane
Concen: 2.686 ug/l
RT: 9.478 min Scan# 11
Delta R.T. -0.018 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

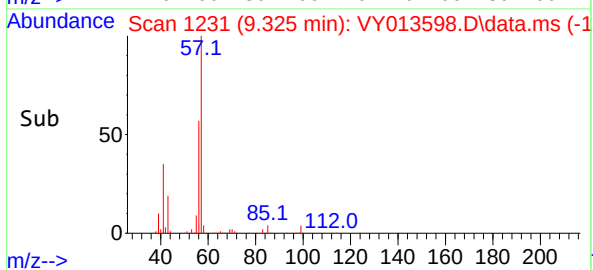
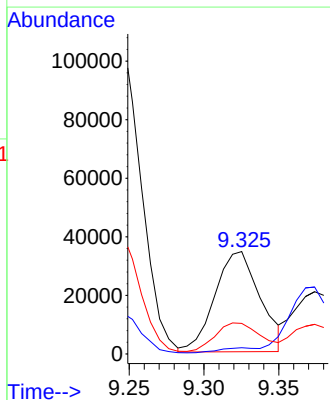
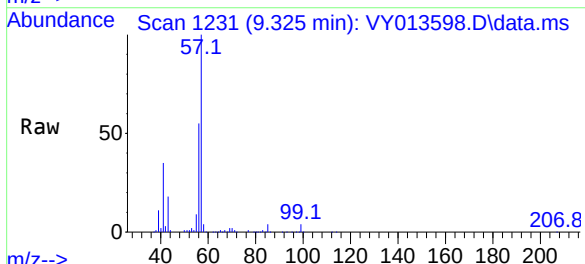
Instrument :
MSVOA_Y
ClientSampleId :

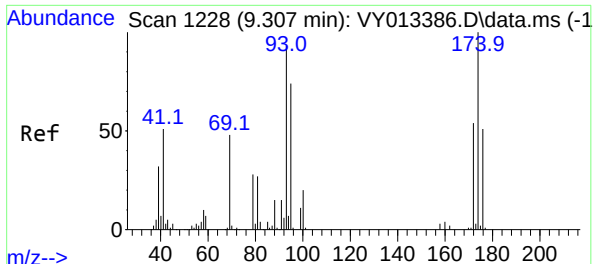
Tgt Ion: 83 Resp: 8828
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.2#
127 0.0 8.1 12.1#



#48
Methyl methacrylate
Concen: 36.989 ug/l
RT: 9.325 min Scan# 1231
Delta R.T. 0.036 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

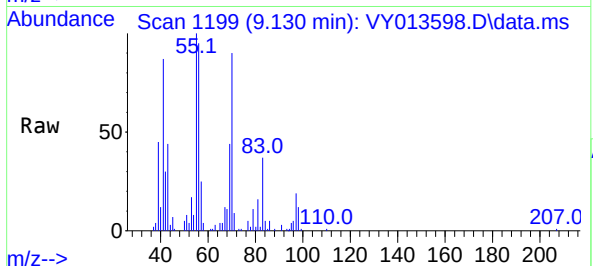
Tgt Ion: 41 Resp: 71921
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.4#
39 30.6 47.9 71.9#



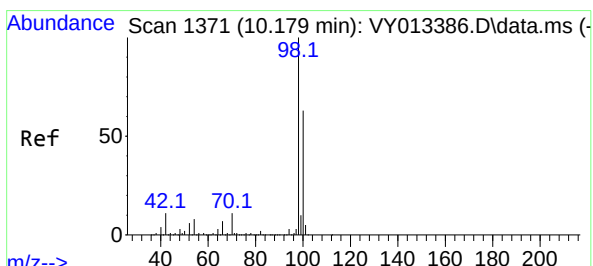
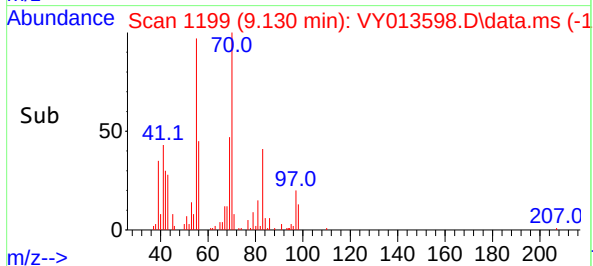
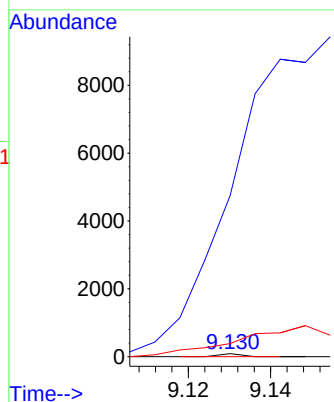


#49
1,4-Dioxane
Concen: 1.573 ug/l
RT: 9.130 min Scan# 1199
Delta R.T. -0.177 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

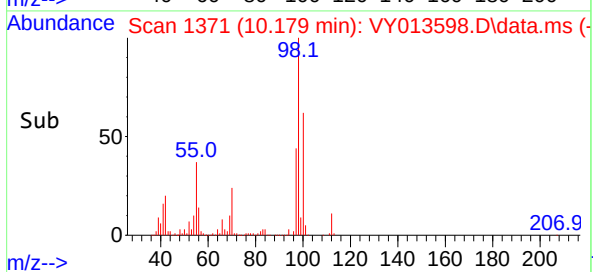
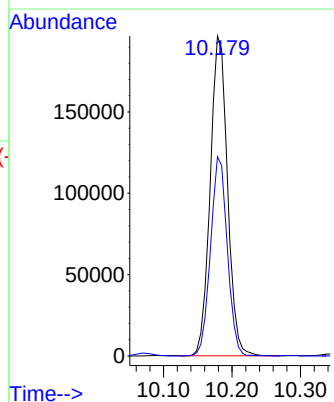
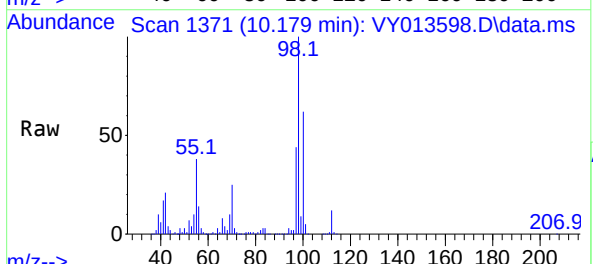


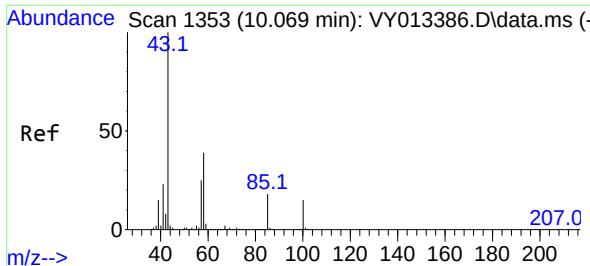
Tgt Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 0.0 16.8 25.2#
58 0.0 54.3 81.5#



#50
Toluene-d8
Concen: 48.229 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 98 Resp: 344564
Ion Ratio Lower Upper
98 100
100 60.6 50.5 75.7

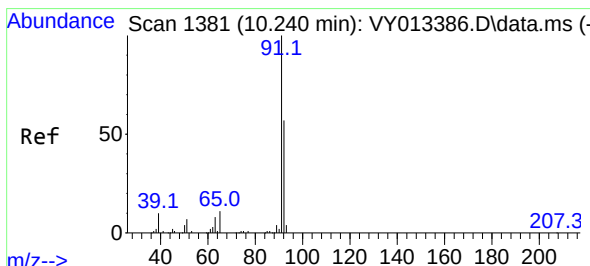
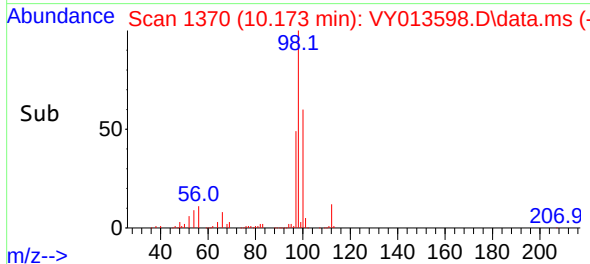
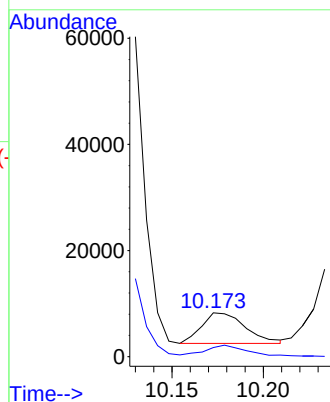
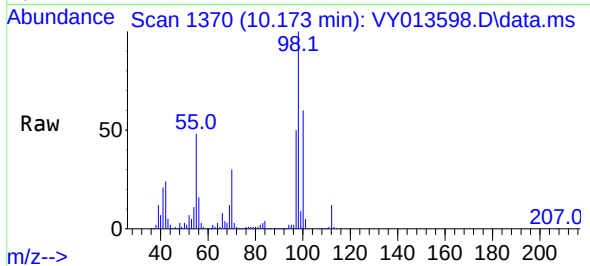




#51
4-Methyl-2-Pentanone
Concen: 4.095 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

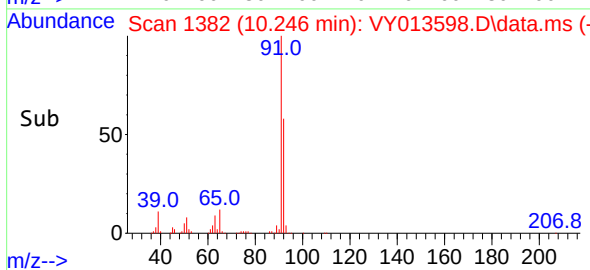
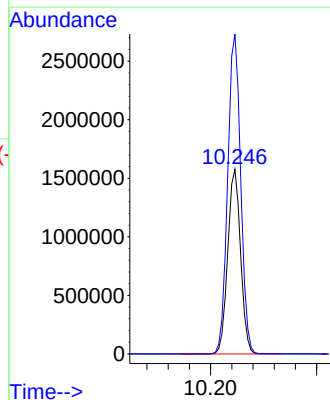
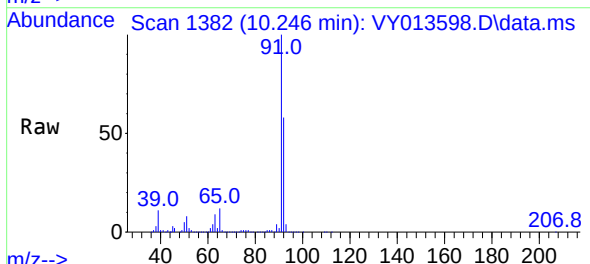
Instrument :
MSVOA_Y
ClientSampleId :

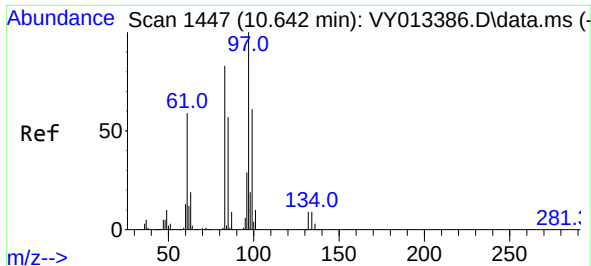
Tgt Ion: 43 Resp: 9660
Ion Ratio Lower Upper
43 100
58 37.7 30.6 46.0



#52
Toluene
Concen: 468.627 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

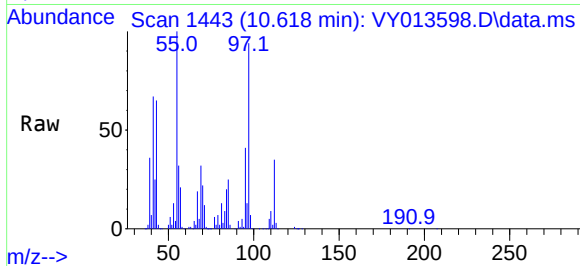
Tgt Ion: 92 Resp: 2647715
Ion Ratio Lower Upper
92 100
91 175.3 140.2 210.4



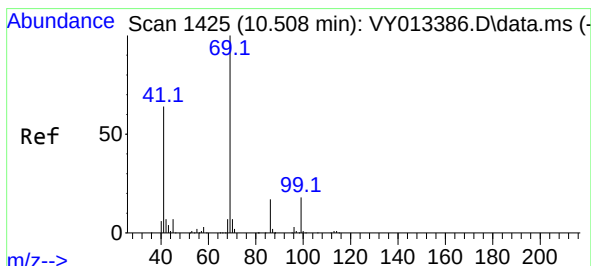
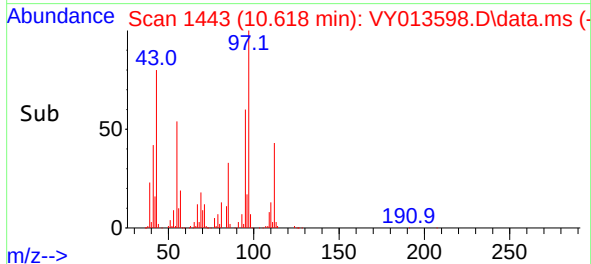
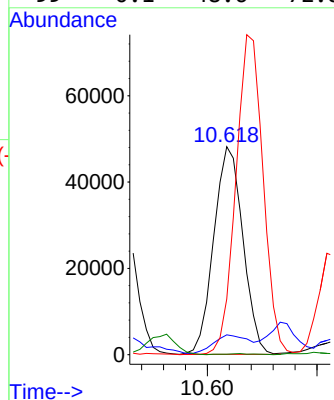


#55
1,1,2-Trichloroethane
Concen: 45.692 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

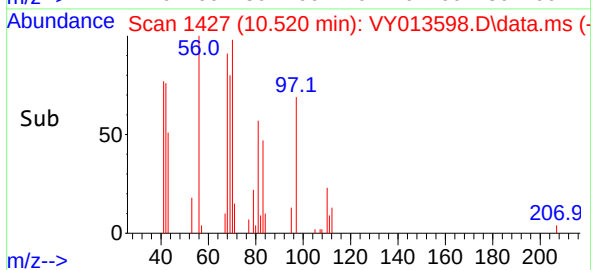
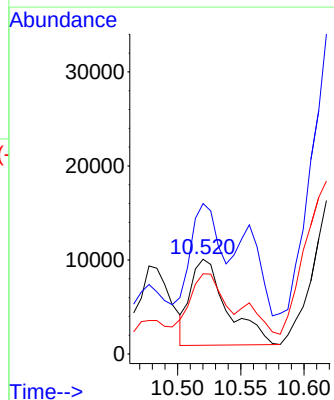
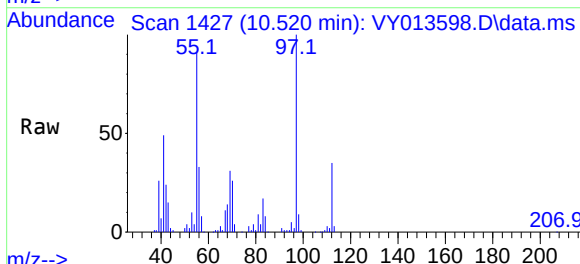


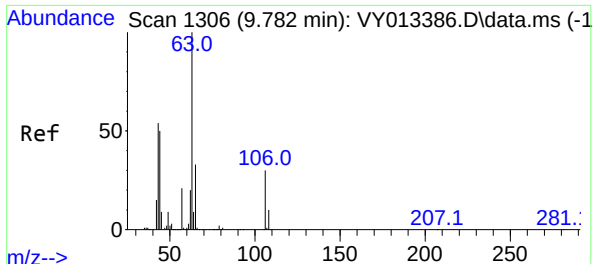
Tgt Ion: 97 Resp: 88878
Ion Ratio Lower Upper
97 100
83 8.2 66.4 99.6#
85 26.8 45.6 68.4#
99 0.1 48.6 72.8#



#56
Ethyl methacrylate
Concen: 6.863 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 69 Resp: 18521
Ion Ratio Lower Upper
69 100
41 109.5 51.4 77.0#
39 0.0 29.0 43.6#

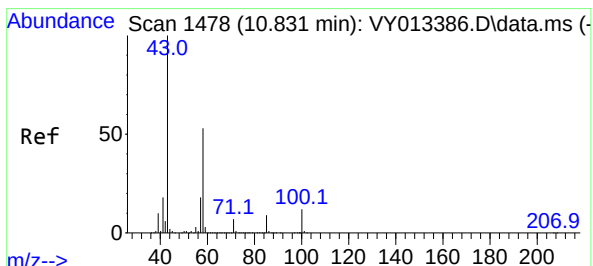
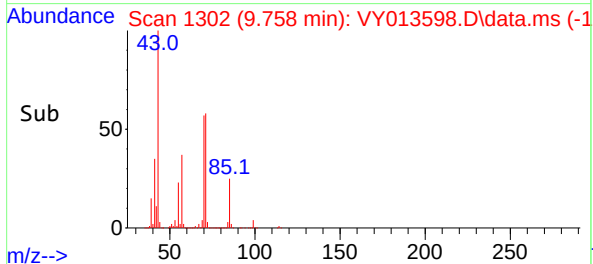
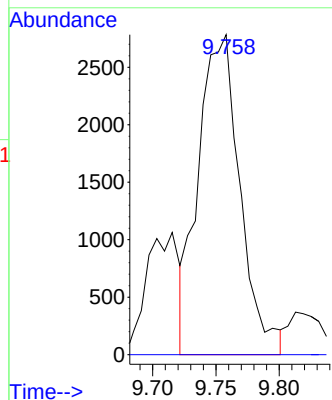
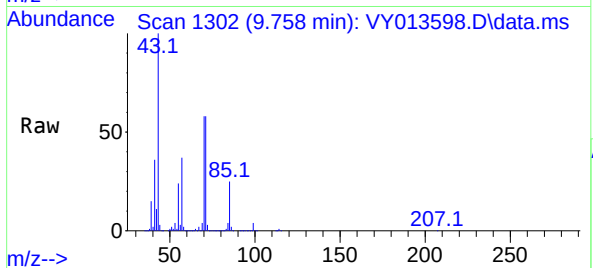




#58
2-Chloroethyl Vinyl ether
Concen: 6.284 ug/l
RT: 9.758 min Scan# 11
Delta R.T. -0.024 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

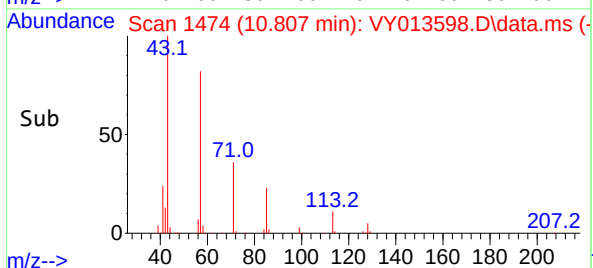
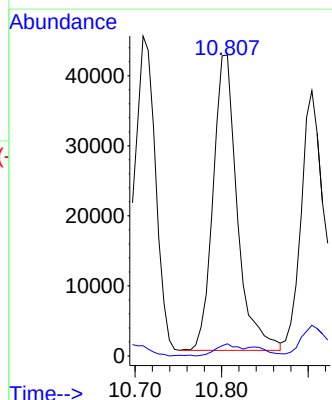
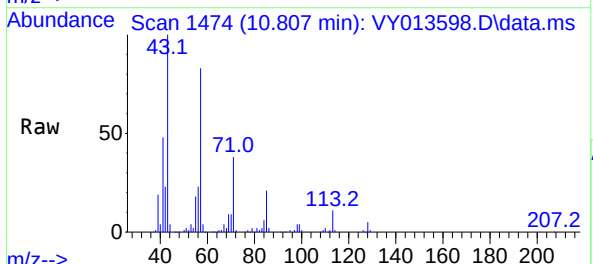
Instrument :
MSVOA_Y
ClientSampleId :

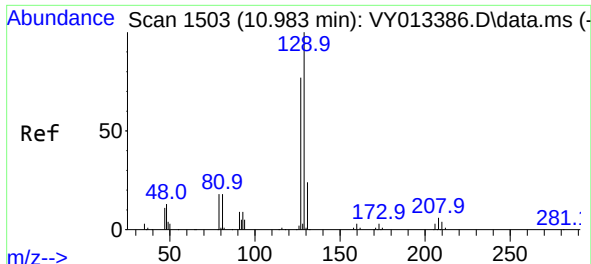
Tgt Ion: 63 Resp: 6359
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#59
2-Hexanone
Concen: 47.814 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 43 Resp: 81998
Ion Ratio Lower Upper
43 100
58 3.9 26.3 78.8#

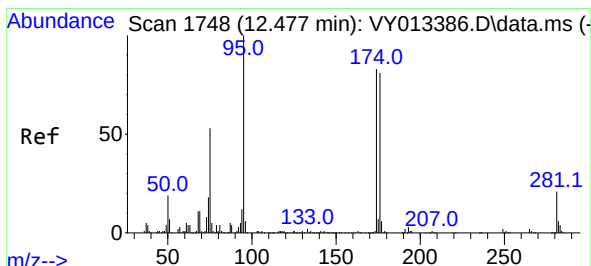
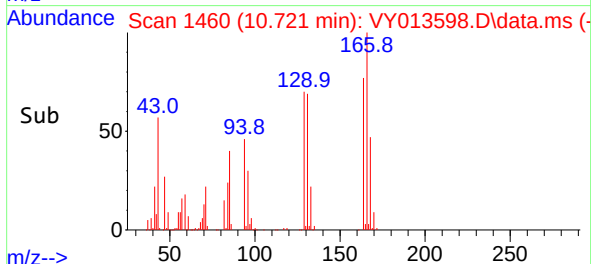
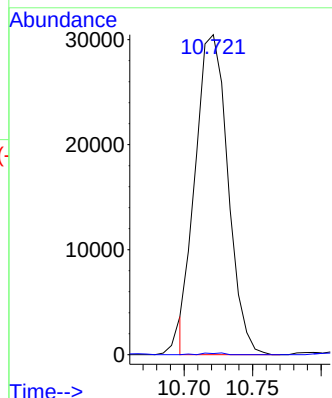
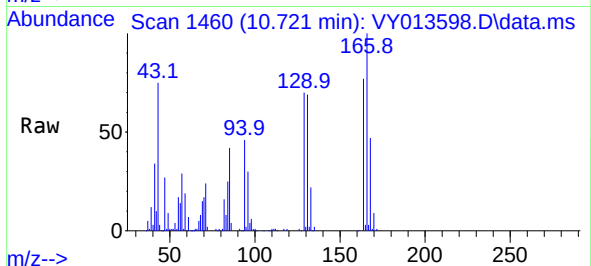




#60
Dibromochloromethane
Concen: 21.277 ug/l
RT: 10.721 min Scan# 14
Delta R.T. -0.262 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

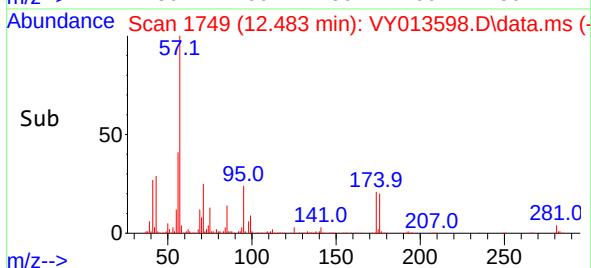
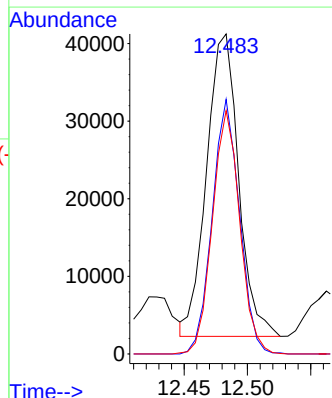
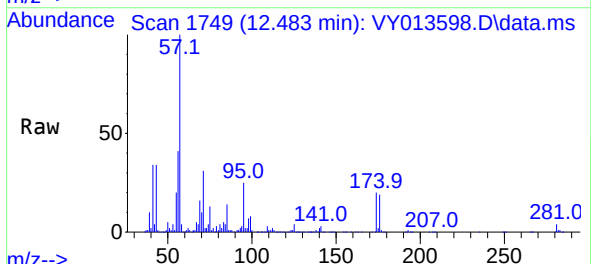
Instrument :
MSVOA_Y
ClientSampleId :

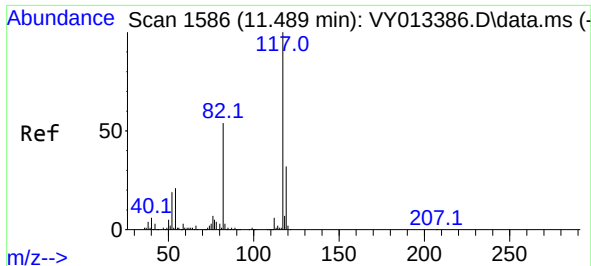
Tgt Ion:129 Resp: 50254
Ion Ratio Lower Upper
129 100
127 0.3 38.7 116.1#



#62
4-Bromofluorobenzene
Concen: 28.438 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 95 Resp: 68495
Ion Ratio Lower Upper
95 100
174 71.8 0.0 182.0
176 68.8 0.0 175.4

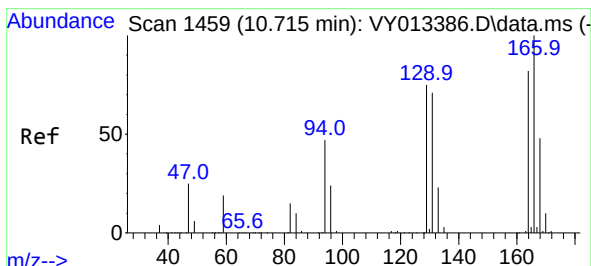
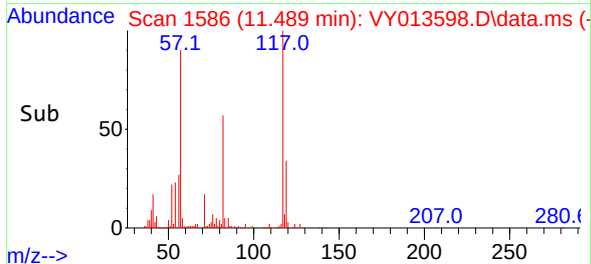
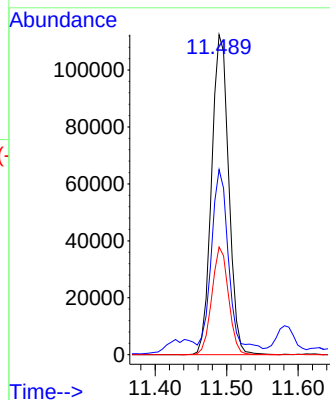
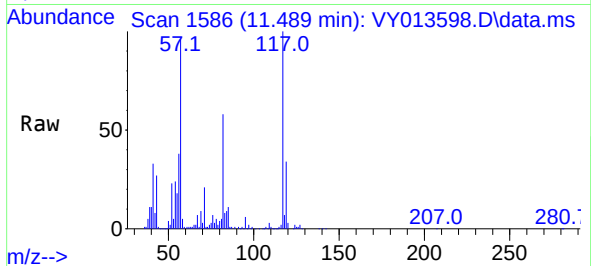




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

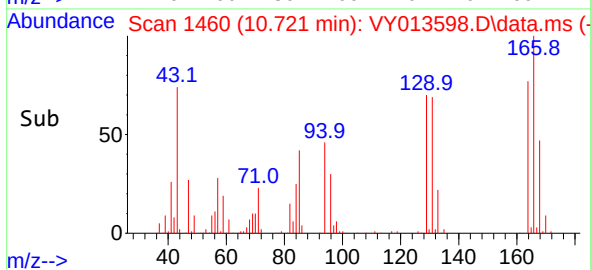
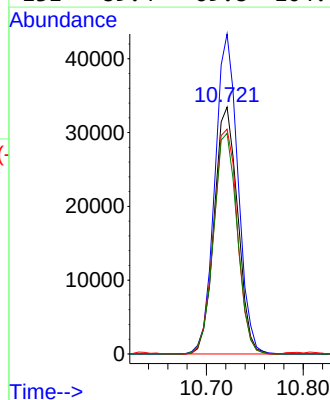
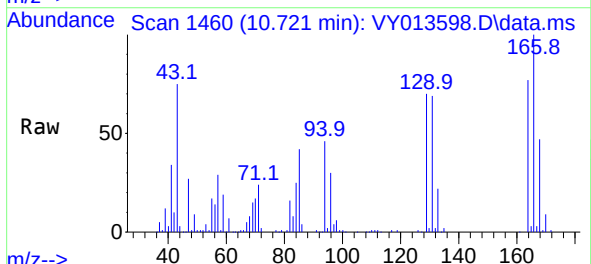
Instrument :
MSVOA_Y
ClientSampleId :

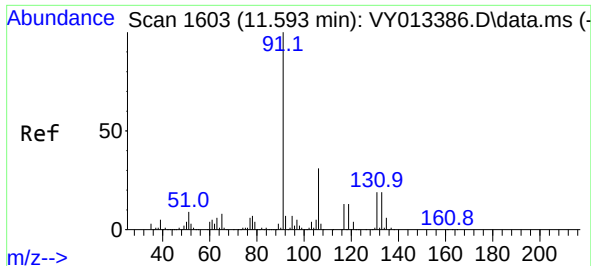
Tgt Ion:117 Resp: 186803
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.6
119 33.7 25.5 38.3



#64
Tetrachloroethene
Concen: 39.617 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion:164 Resp: 56274
Ion Ratio Lower Upper
164 100
166 129.6 97.5 146.3
129 91.1 72.6 109.0
131 89.4 69.8 104.6





#67

Ethyl Benzene

Concen: 74.703 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

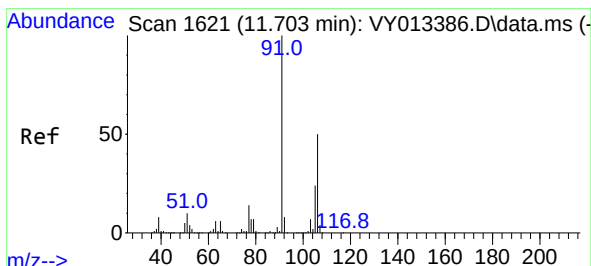
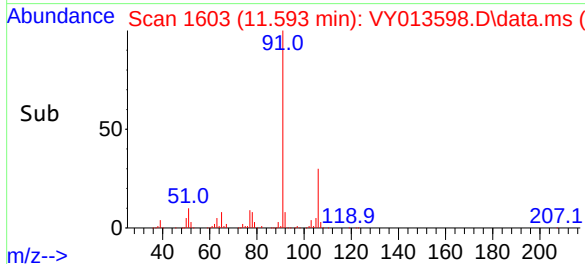
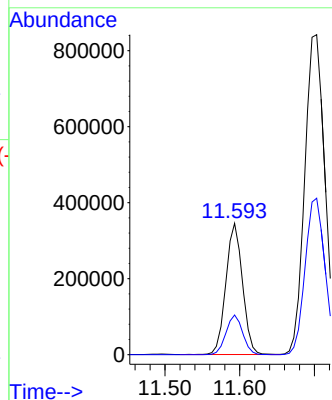
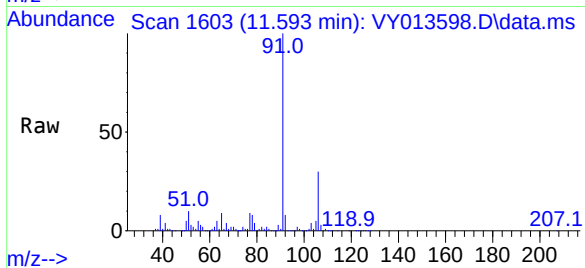
ClientSampleId :

Tgt Ion: 91 Resp: 533800

Ion Ratio Lower Upper

91 100

106 30.2 25.1 37.7



#68

m/p-Xylenes

Concen: 278.089 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.000 min

Lab File: VY013598.D

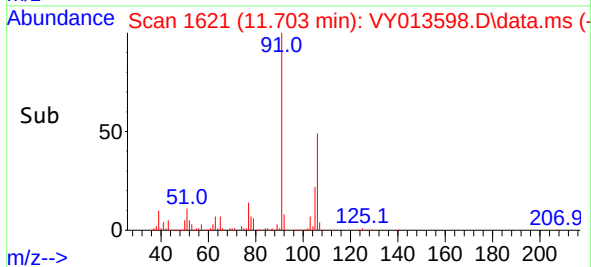
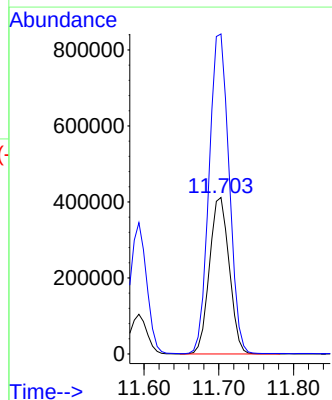
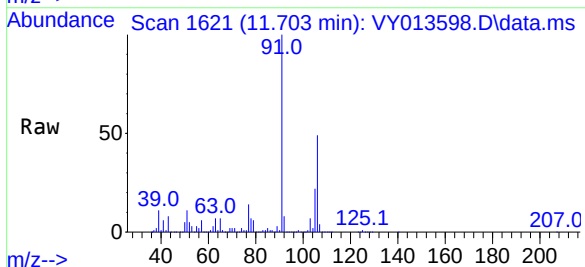
Acq: 04 May 2023 14:29

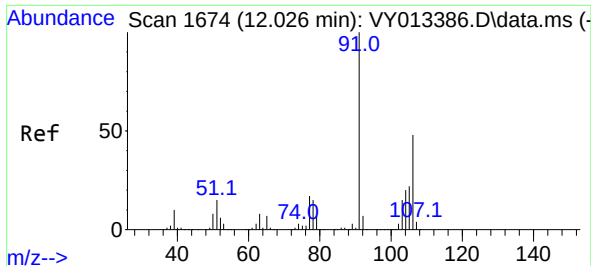
Tgt Ion:106 Resp: 755415

Ion Ratio Lower Upper

106 100

91 207.1 160.9 241.3

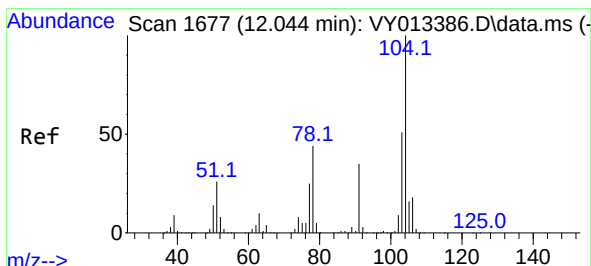
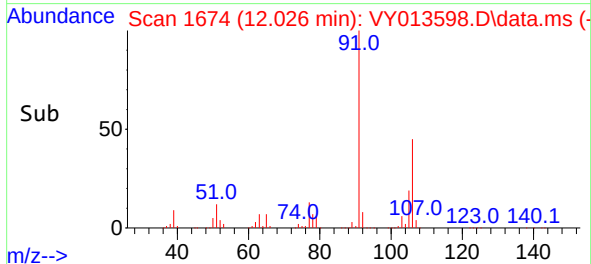
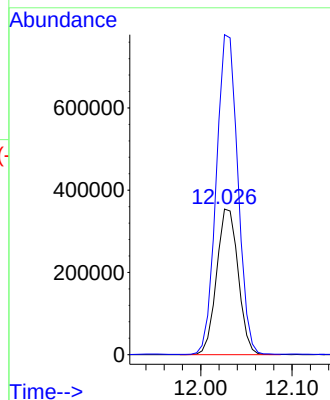
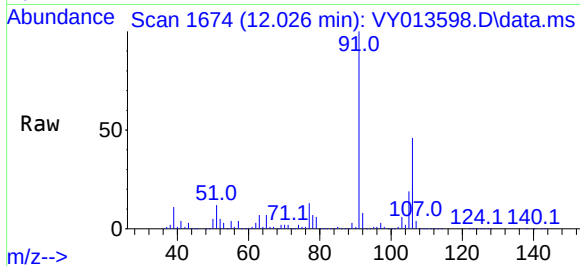




#69
o-Xylene
Concen: 226.205 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

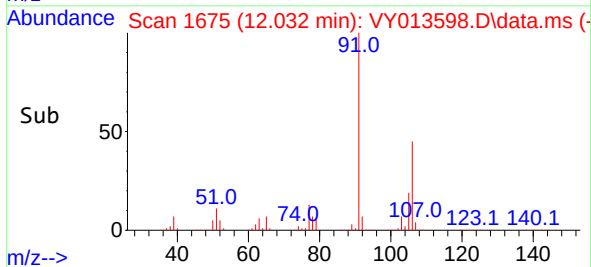
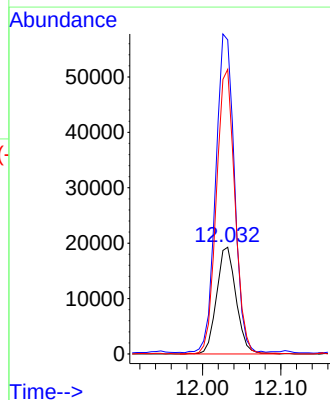
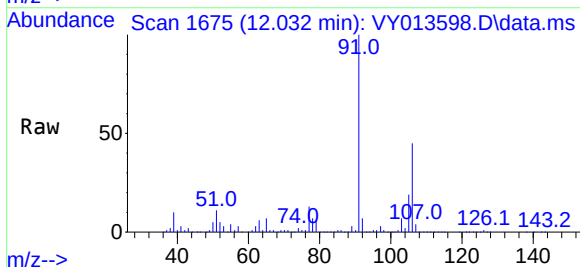
Instrument :
MSVOA_Y
ClientSampleId :

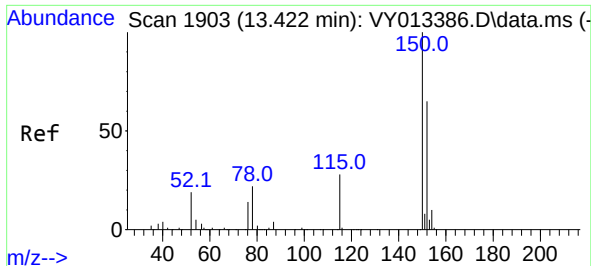
Tgt Ion:106 Resp: 581137
Ion Ratio Lower Upper
106 100
91 218.8 105.5 316.4



#70
Styrene
Concen: 7.734 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

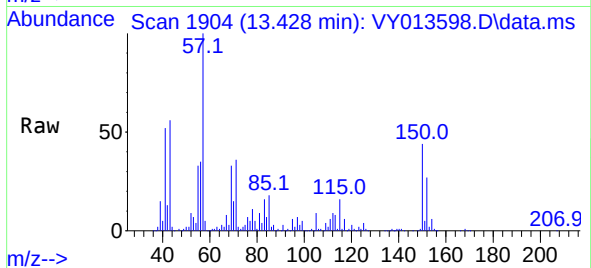
Tgt Ion:104 Resp: 33224
Ion Ratio Lower Upper
104 100
78 286.3 40.3 60.5#
103 255.5 45.0 67.4#



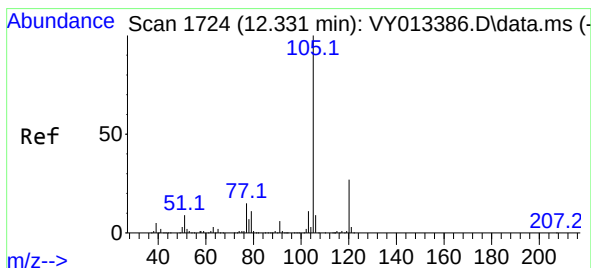
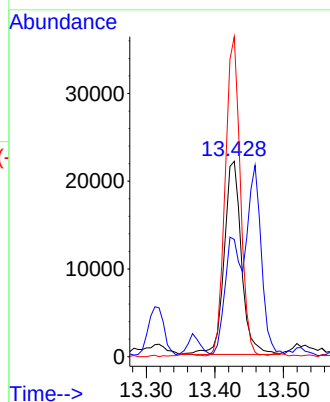
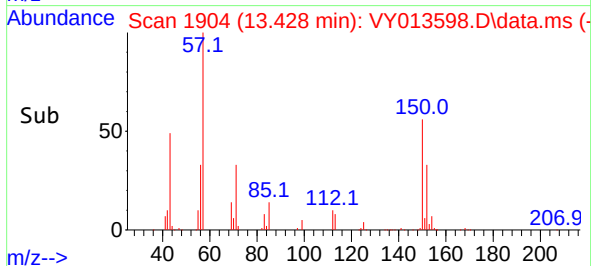


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

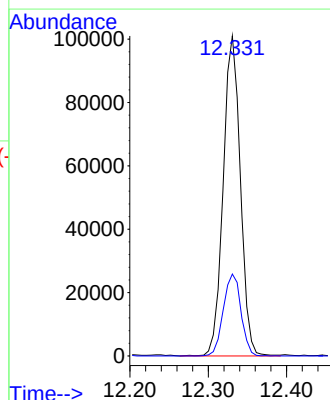
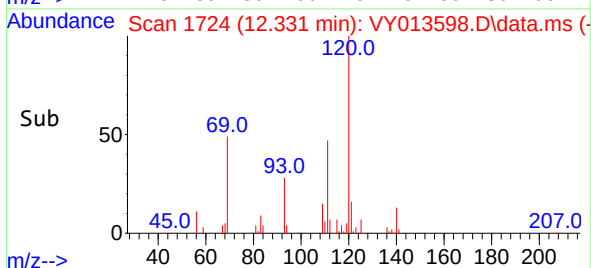
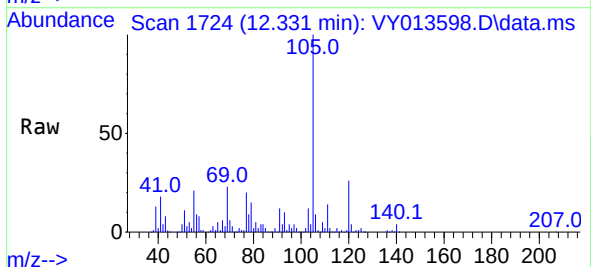


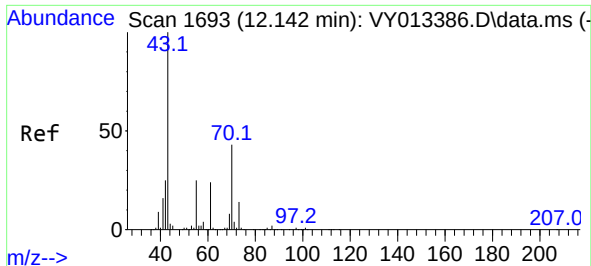
Tgt Ion:152 Resp: 38455
Ion Ratio Lower Upper
152 100
115 57.1 28.1 84.2
150 144.4 0.0 352.0



#73
Isopropylbenzene
Concen: 52.993 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

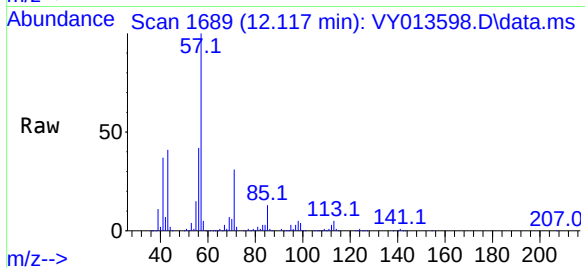
Tgt Ion:105 Resp: 154135
Ion Ratio Lower Upper
105 100
120 26.3 13.7 41.0



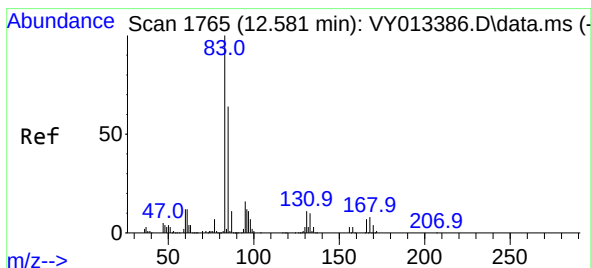
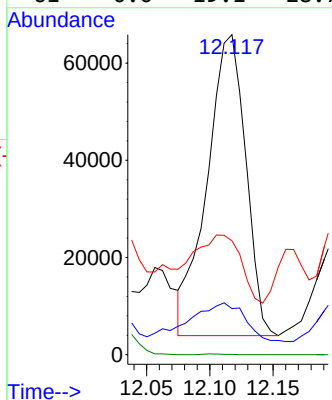
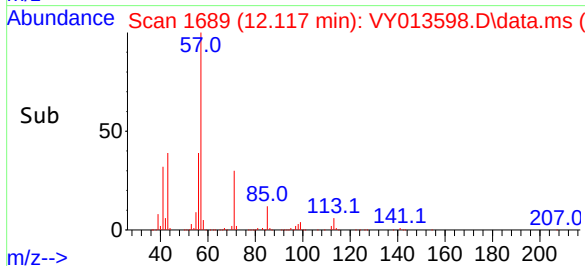


#74
N-amy1 acetate
Concen: 127.037 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

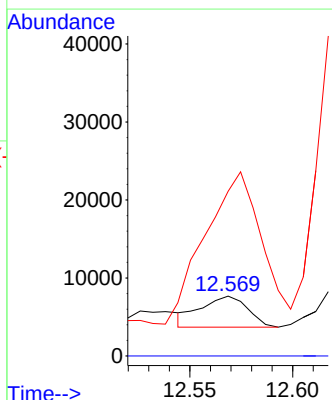
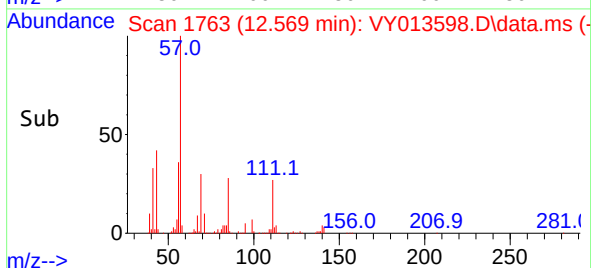
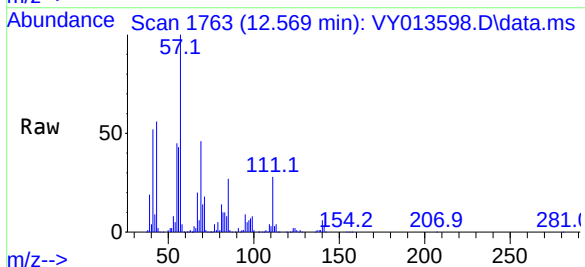


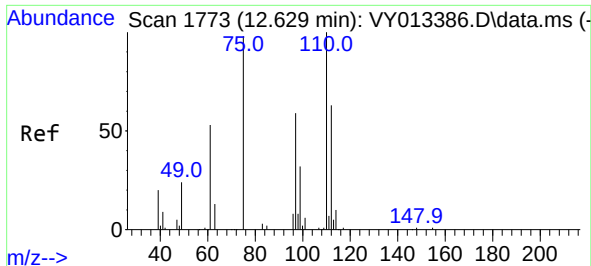
Tgt Ion: 43 Resp: 131490
Ion Ratio Lower Upper
43 100
70 18.9 33.0 49.4#
55 27.5 19.8 29.6
61 0.0 19.1 28.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 8.894 ug/l
RT: 12.569 min Scan# 1763
Delta R.T. -0.012 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 83 Resp: 6323
Ion Ratio Lower Upper
83 100
131 0.0 5.7 17.0#
85 767.7 31.8 95.4#

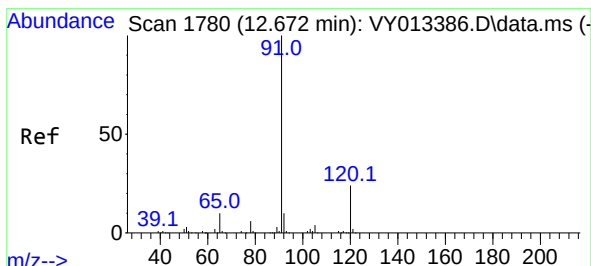
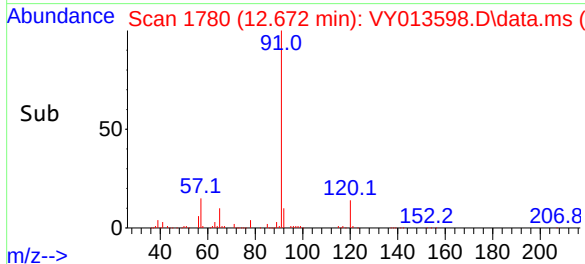
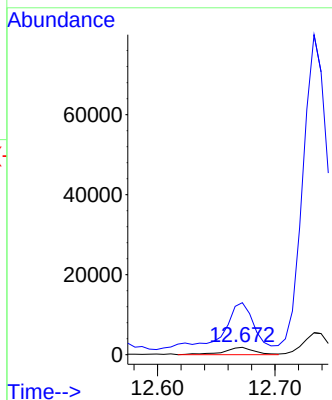
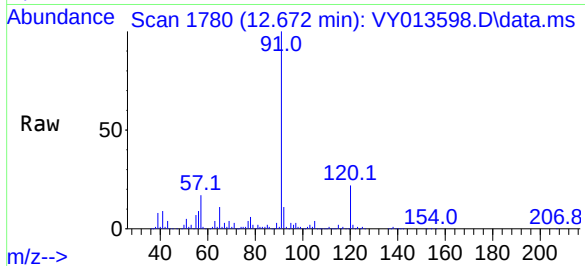




#76
1,2,3-Trichloropropane
Concen: 6.309 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.043 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

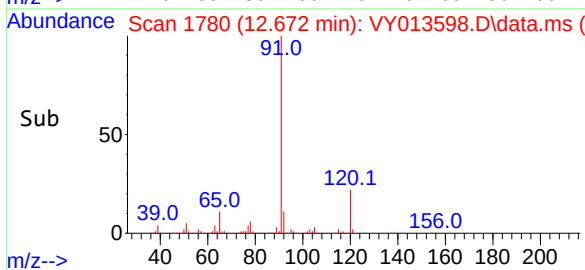
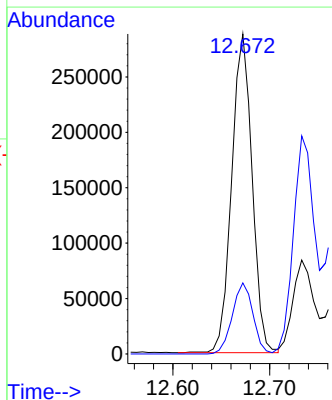
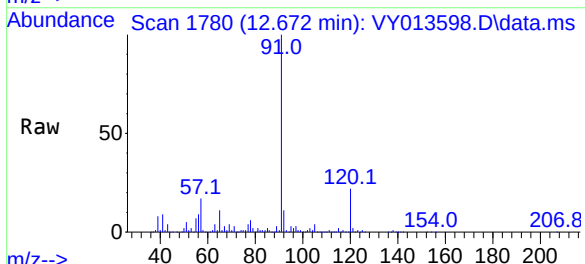
Instrument :
MSVOA_Y
ClientSampleId :

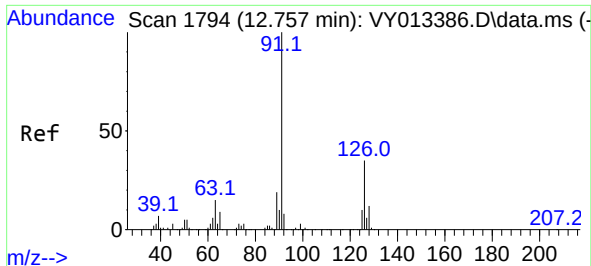
Tgt Ion: 75 Resp: 3272
Ion Ratio Lower Upper
75 100
77 467.8 0.0 0.0#



#78
n-propylbenzene
Concen: 117.809 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 91 Resp: 422062
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.9

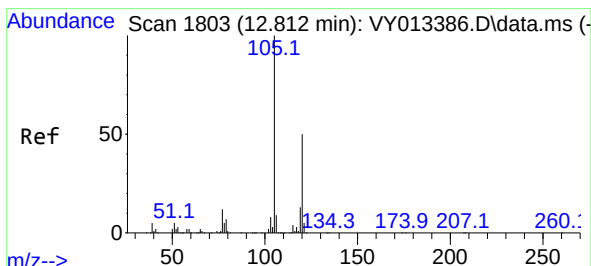
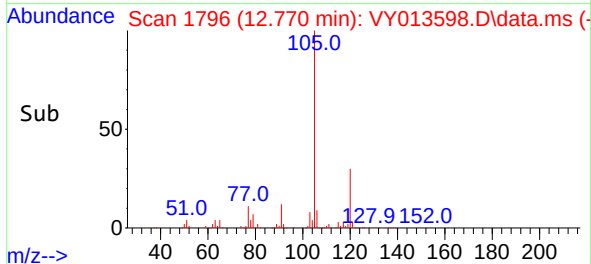
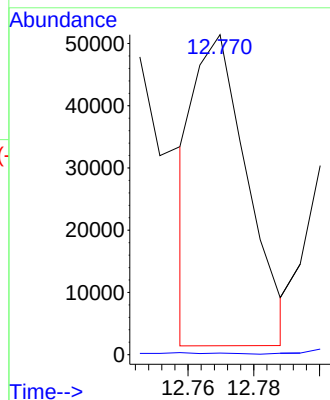
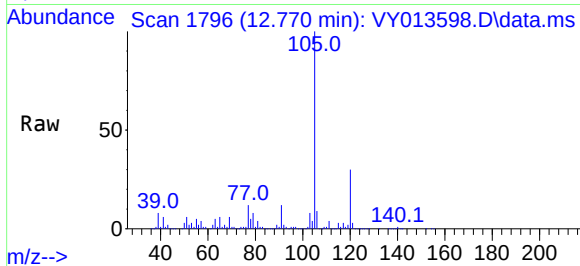




#79
2-Chlorotoluene
Concen: 27.918 ug/l
RT: 12.770 min Scan# 1796
Delta R.T. 0.013 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

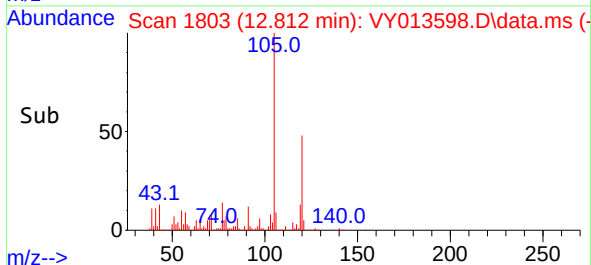
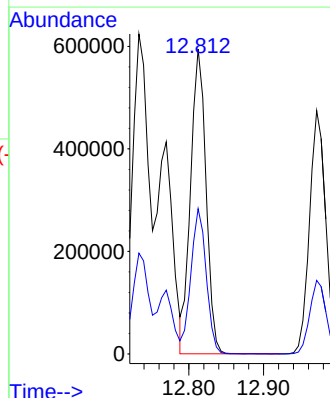
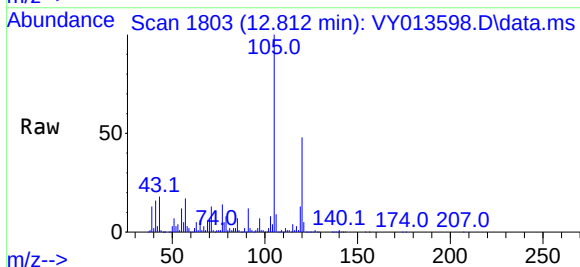
Instrument :
MSVOA_Y
ClientSampleId :

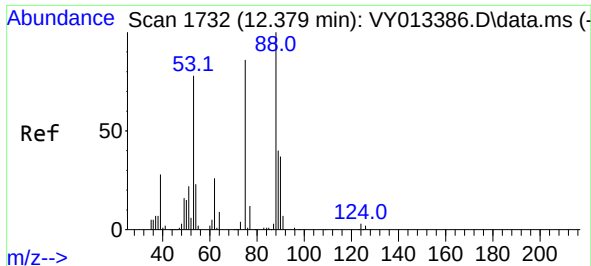
Tgt Ion: 91 Resp: 55854
Ion Ratio Lower Upper
91 100
126 0.7 17.8 53.4#



#80
1,3,5-Trimethylbenzene
Concen: 358.744 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 105 Resp: 851654
Ion Ratio Lower Upper
105 100
120 47.3 24.7 74.1

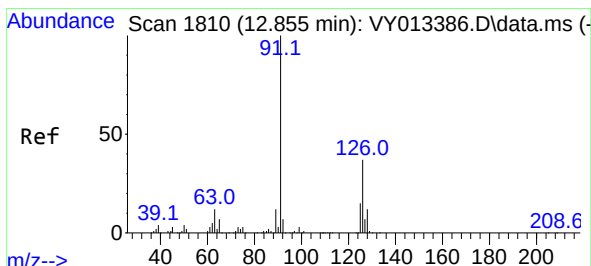
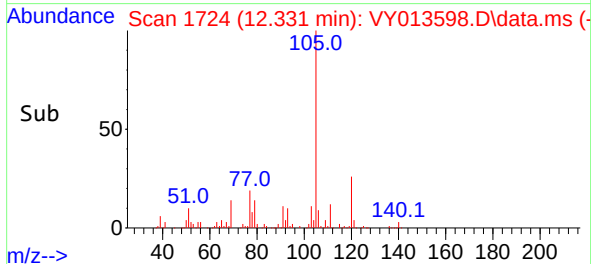
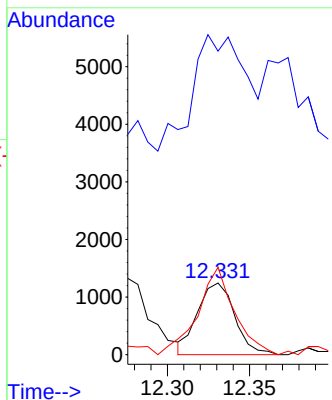
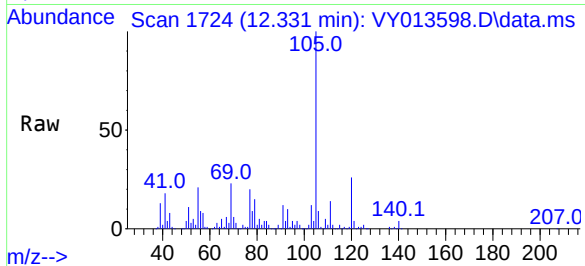




#81
trans-1,4-Dichloro-2-butene
Concen: 7.695 ug/l
RT: 12.331 min Scan# 11
Delta R.T. -0.048 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

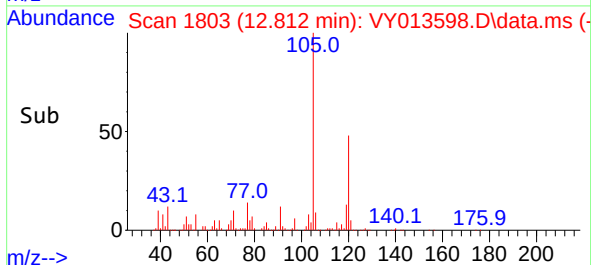
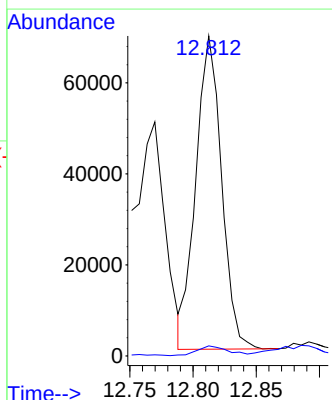
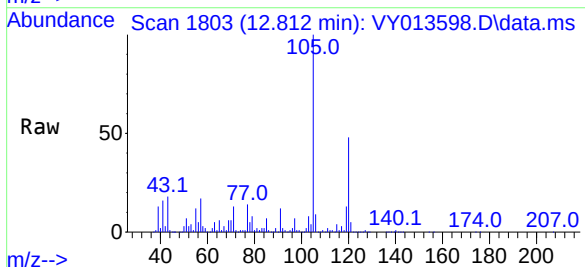
Instrument :
MSVOA_Y
ClientSampleId :

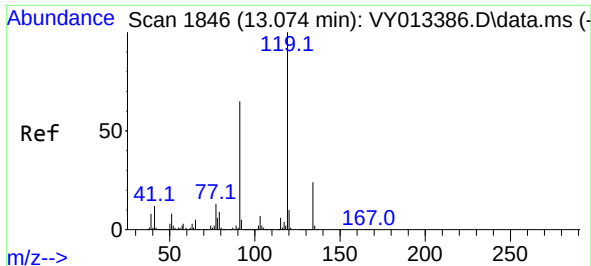
Tgt Ion: 75 Resp: 1951
Ion Ratio Lower Upper
75 100
53 176.8 73.2 109.8#
89 121.1 38.0 57.0#



#82
4-Chlorotoluene
Concen: 46.757 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion: 91 Resp: 97498
Ion Ratio Lower Upper
91 100
126 3.7 17.9 53.8#

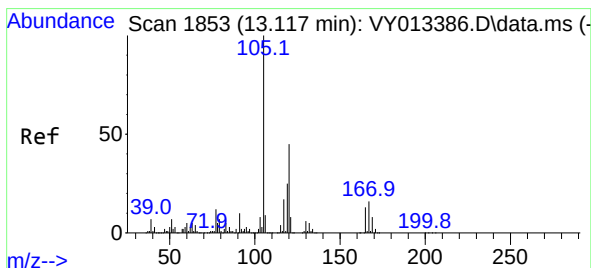
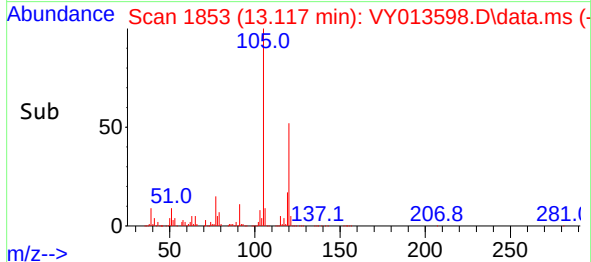
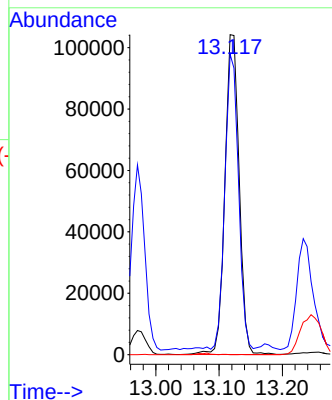
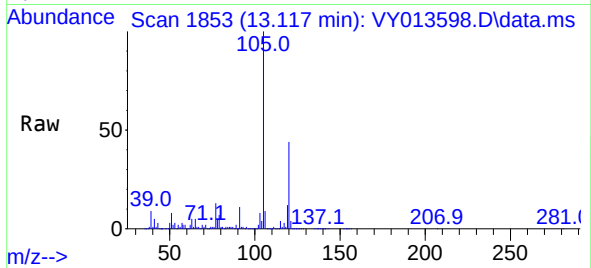




#83
tert-Butylbenzene
Concen: 78.904 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.043 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

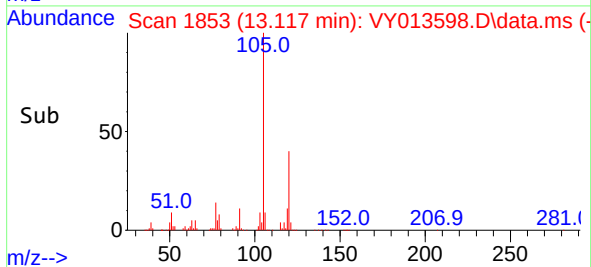
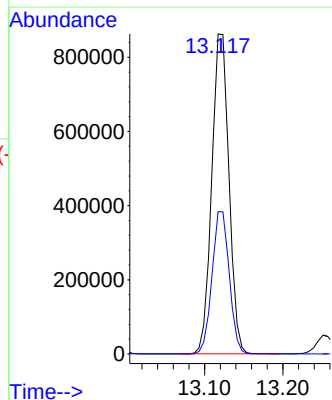
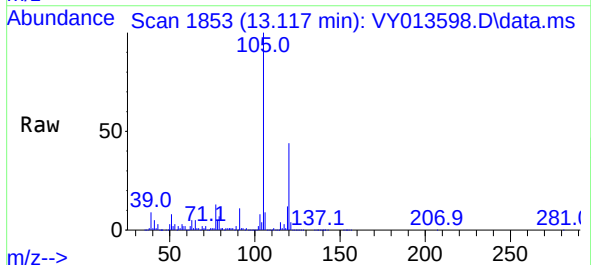
Instrument :
MSVOA_Y
ClientSampleId :

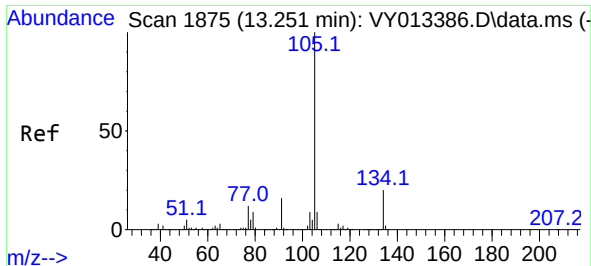
Tgt Ion:119 Resp: 162285
Ion Ratio Lower Upper
119 100
91 87.5 32.2 96.6
134 0.0 13.0 38.9#



#84
1,2,4-Trimethylbenzene
Concen: 569.681 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

Tgt Ion:105 Resp: 1314866
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.9

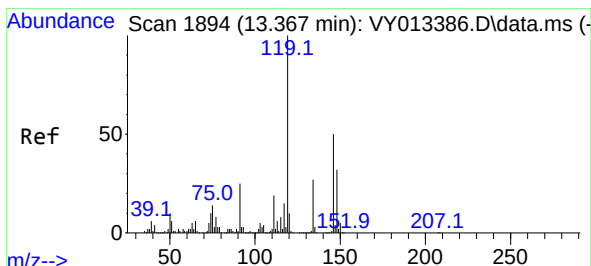
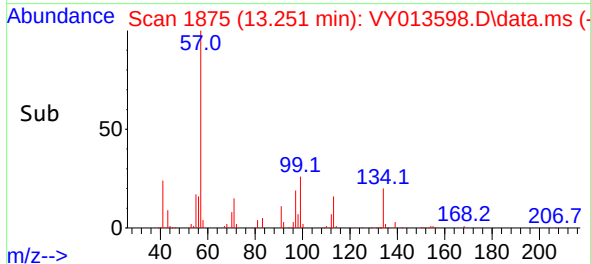
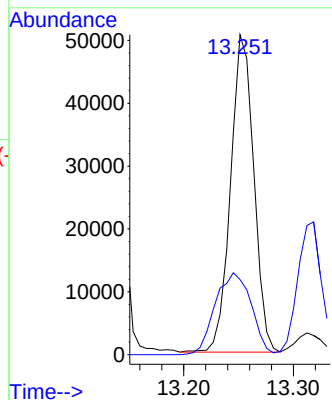
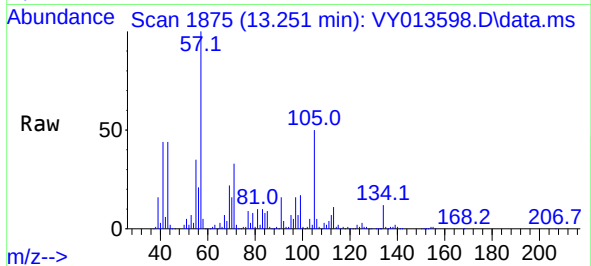




#85
 sec-Butylbenzene
 Concen: 24.025 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY013598.D
 Acq: 04 May 2023 14:29

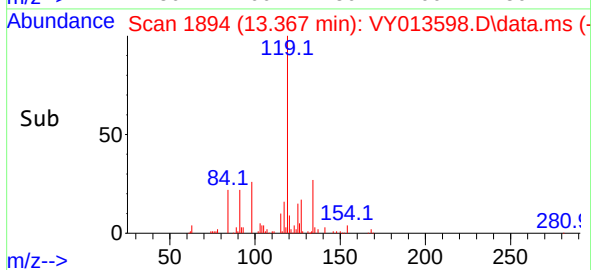
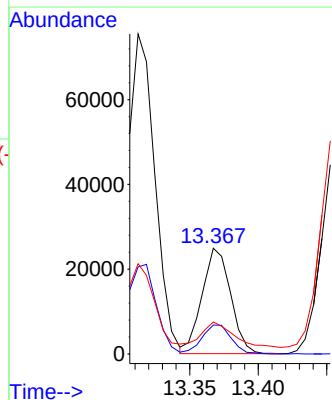
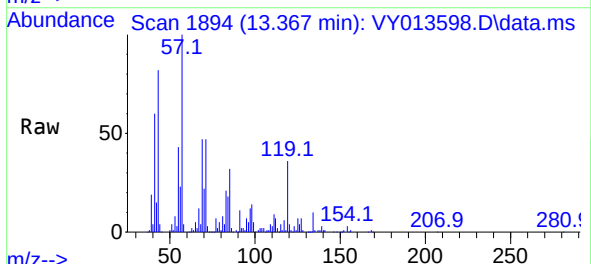
Instrument :
 MSVOA_Y
 ClientSampleId :

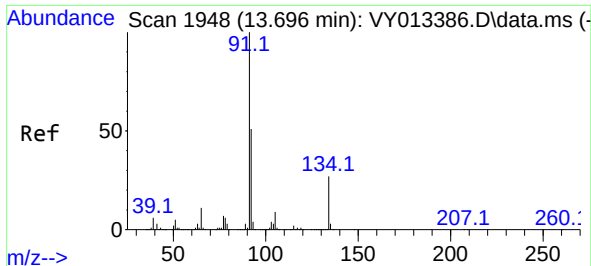
Tgt Ion:105 Resp: 74161
 Ion Ratio Lower Upper
 105 100
 134 40.0 10.3 30.9#



#86
 p-Isopropyltoluene
 Concen: 14.553 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY013598.D
 Acq: 04 May 2023 14:29

Tgt Ion:119 Resp: 36126
 Ion Ratio Lower Upper
 119 100
 134 28.2 13.4 40.2
 91 26.5 12.1 36.3





#89

n-Butylbenzene

Concen: 26.808 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY013598.D

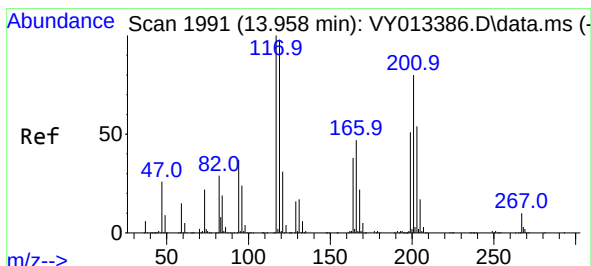
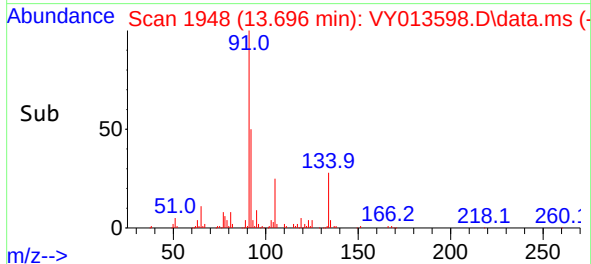
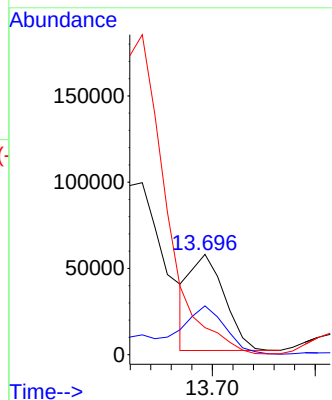
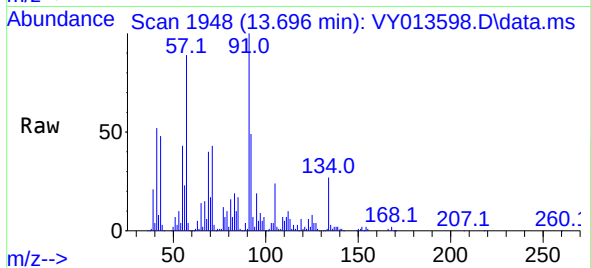
Acq: 04 May 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	91	Resp:	64950
Ion Ratio	Lower	Upper	
91	100		
92	63.7	25.8	77.3
134	0.0	13.5	40.4#



#90

Hexachloroethane

Concen: 118.142 ug/l

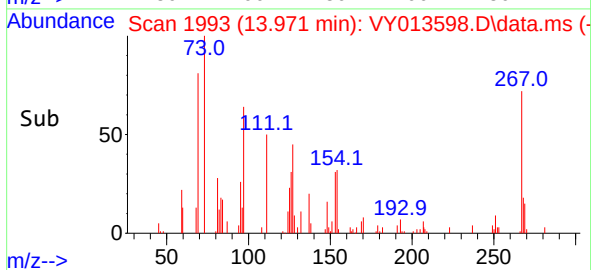
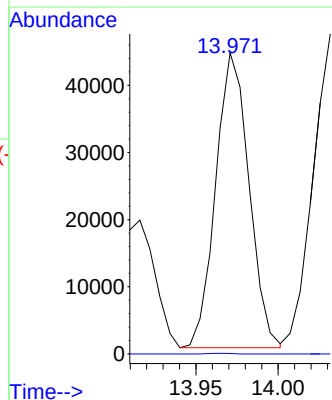
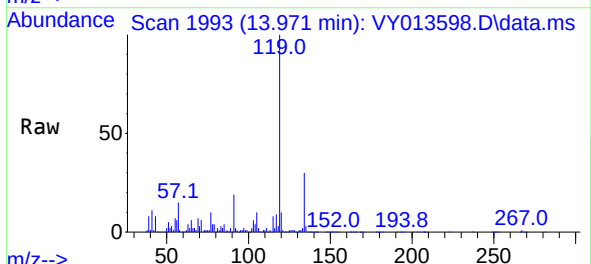
RT: 13.971 min Scan# 1993

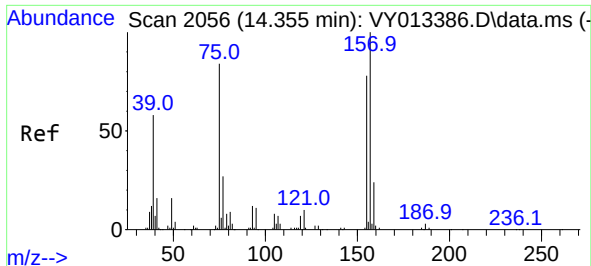
Delta R.T. 0.013 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

Tgt Ion:	117	Resp:	61722
Ion Ratio	Lower	Upper	
117	100		
201	0.2	41.6	124.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 32.909 ug/l

RT: 14.337 min Scan# 2053

Delta R.T. -0.018 min

Lab File: VY013598.D

Acq: 04 May 2023 14:29

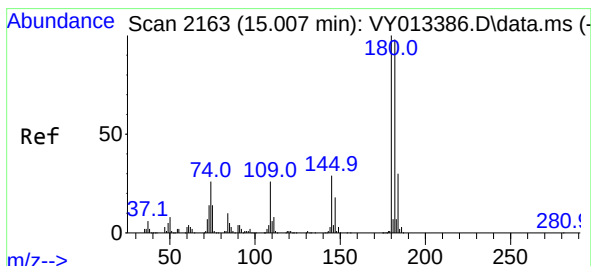
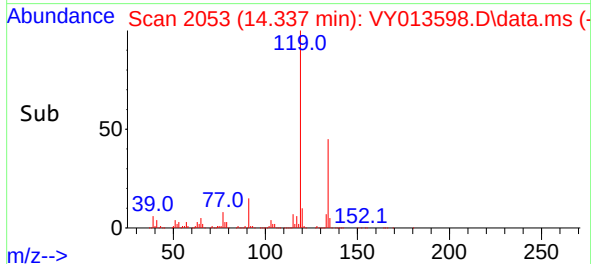
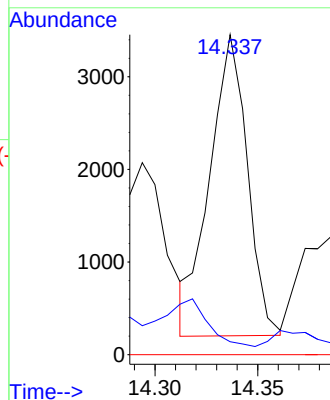
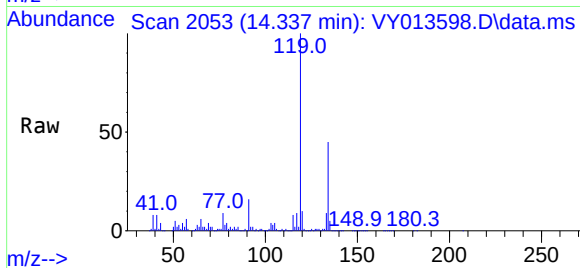
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75 Resp: 4132

Ion	Ratio	Lower	Upper
75	100		
155	18.5	44.6	134.0#
157	0.0	57.6	172.7#



#93

1,2,4-Trichlorobenzene

Concen: 1.161 ug/l

RT: 15.007 min Scan# 2163

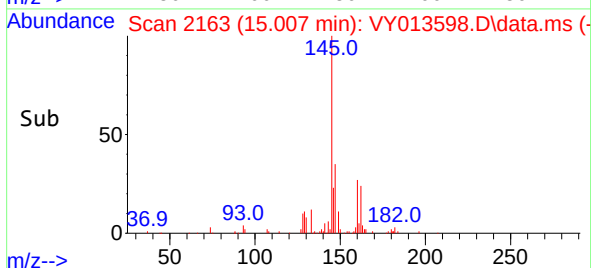
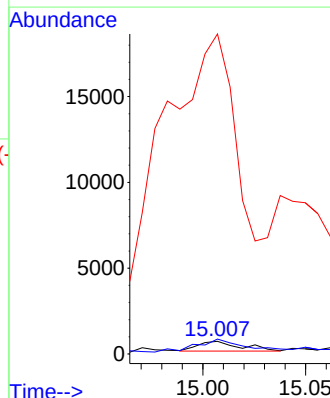
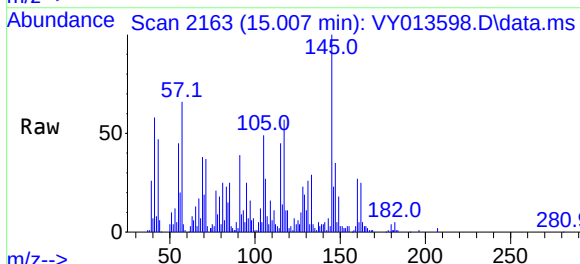
Delta R.T. 0.000 min

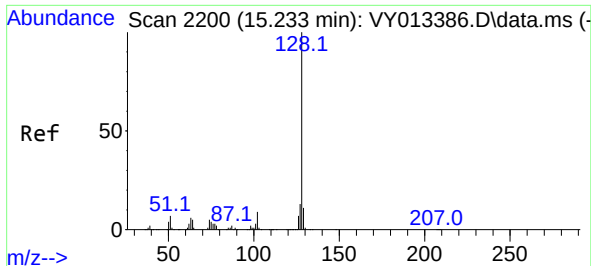
Lab File: VY013598.D

Acq: 04 May 2023 14:29

Tgt Ion: 180 Resp: 839

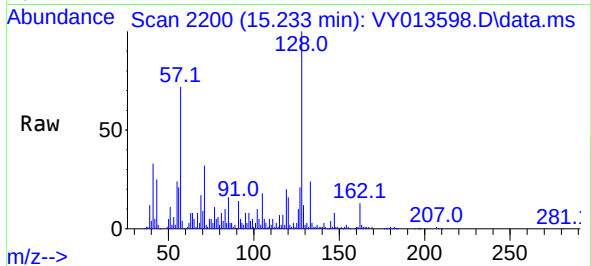
Ion	Ratio	Lower	Upper
180	100		
182	155.2	48.5	145.5#
145	5842.1	15.0	45.0#



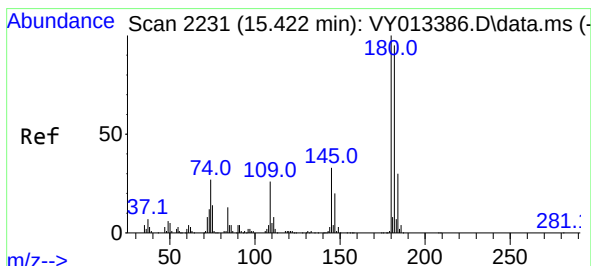
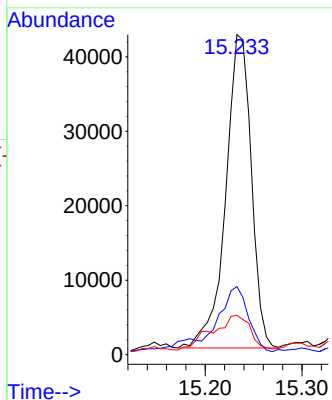
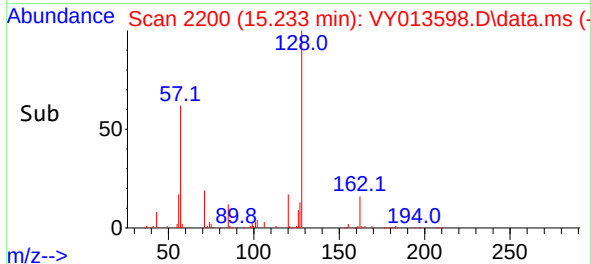


#95
Naphthalene
Concen: 49.401 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29

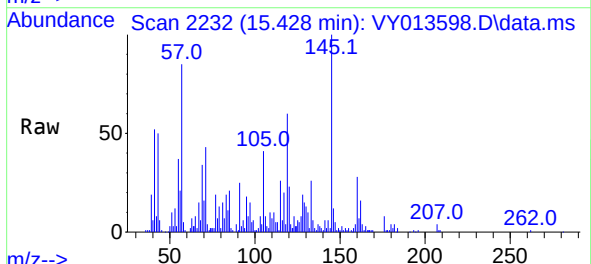
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 77484
Ion Ratio Lower Upper
128 100
127 28.0 10.7 16.1#
129 16.4 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 2.176 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY013598.D
Acq: 04 May 2023 14:29



Tgt Ion:180 Resp: 1402
Ion Ratio Lower Upper
180 100
182 114.3 47.1 141.3
145 0.0 15.9 47.7#

