

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103124\
 Data File : VY020098.D
 Acq On : 31 Oct 2024 16:35
 Operator : SY/MD
 Sample : P4612-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 01 03:49:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 15:23:13 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	167867	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	346815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	302900	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	94133	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	126809	60.527	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.060%	
35) Dibromofluoromethane	7.634	113	119234	54.074	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.140%	
50) Toluene-d8	10.103	98	422039	48.084	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.160%	
62) 4-Bromofluorobenzene	12.402	95	121685	42.683	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.360%	

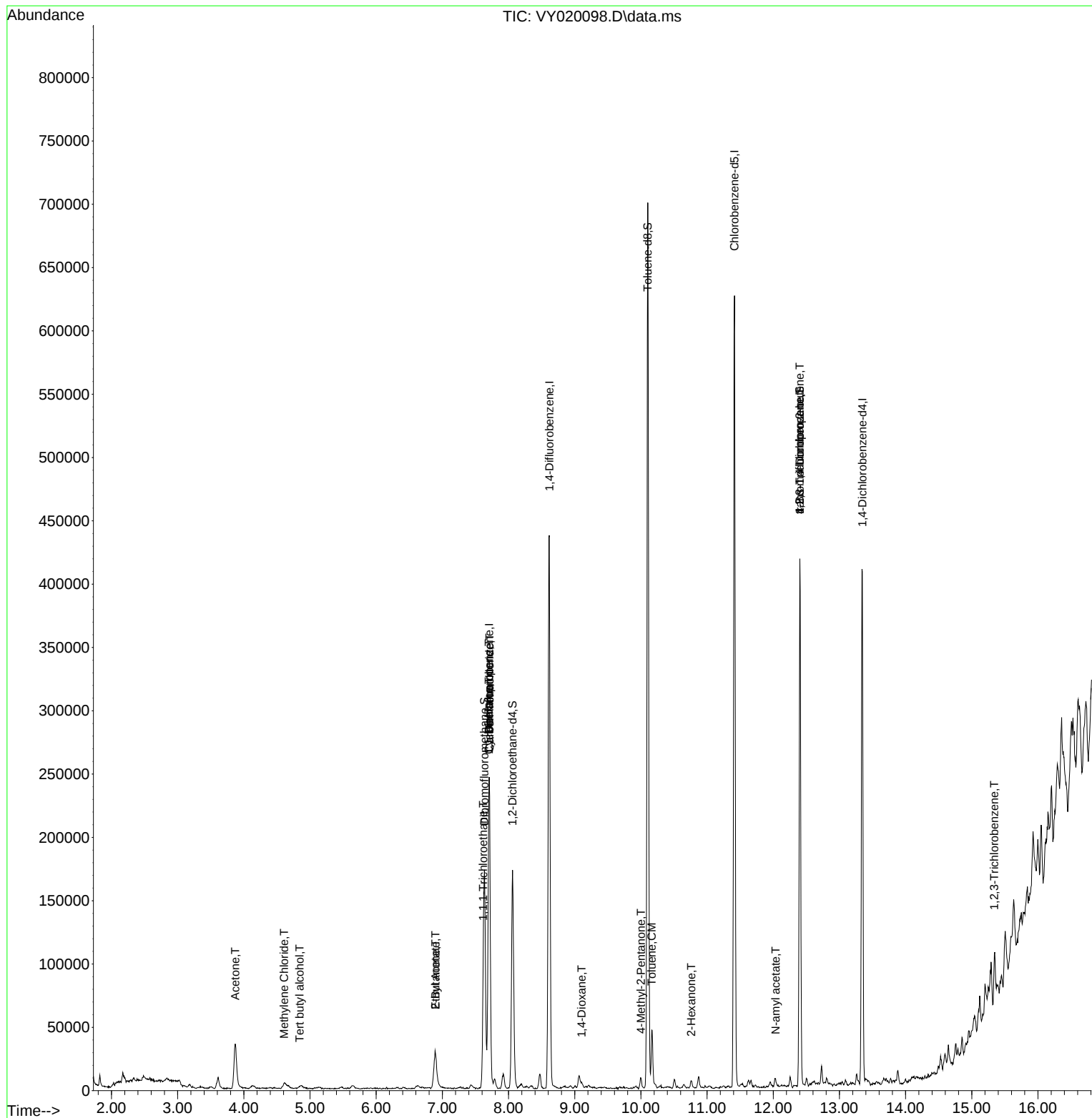
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.842	59	1793	11.898	ug/l #	88
16) Acetone	3.873	43	65006	133.421	ug/l #	82
20) Methylene Chloride	4.610	84	2647	1.209	ug/l #	81
25) 2-Butanone	6.896	43	21063	31.892	ug/l #	74
31) Cyclohexane	7.701	56	6634	1.745	ug/l #	46
32) 1,1,1-Trichloroethane	7.616	97	4945	1.453	ug/l #	43
36) 1,1-Dichloropropene	7.701	75	17138	5.031	ug/l #	48
37) Ethyl Acetate	6.896	43	21063	12.970	ug/l #	74
38) Carbon Tetrachloride	7.713	117	19406	5.665	ug/l #	15
49) 1,4-Dioxane	9.103	88	51	3.843	ug/l #	20
51) 4-Methyl-2-Pentanone	9.999	43	5906	3.670	ug/l	90
52) Toluene	10.164	92	16704	2.726	ug/l	94
59) 2-Hexanone	10.762	43	3921	3.399	ug/l	88
74) N-amyl acetate	12.036	43	4686	2.493	ug/l #	44
76) 1,2,3-Trichloropropane	12.402	75	70617	80.028	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	70617	172.138	ug/l #	16
96) 1,2,3-Trichlorobenzene	15.340	180	2091	1.708	ug/l #	39

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

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QLast Update : Thu Oct 31 15:23:13 2024
Response via : Initial Calibration

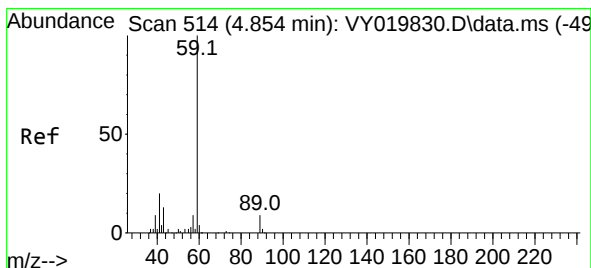
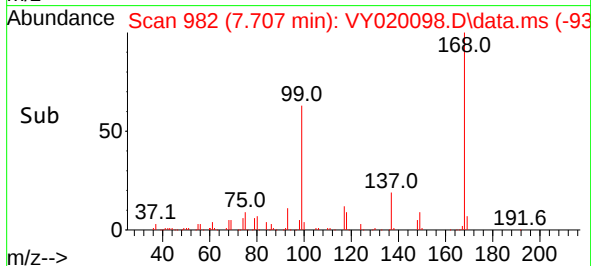
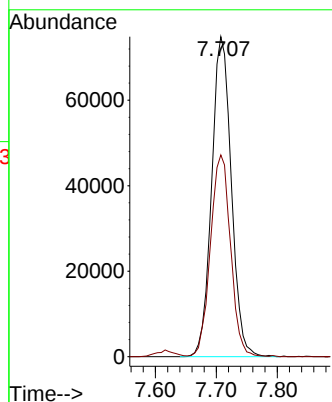
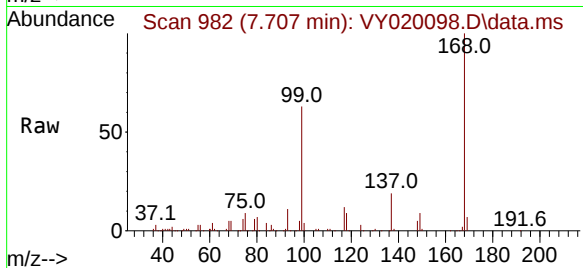




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

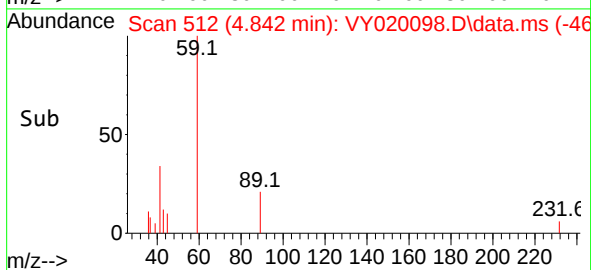
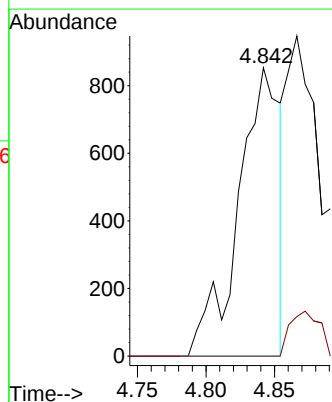
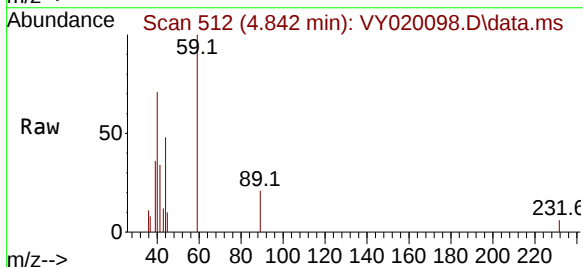
Instrument :
MSVOA_Y
ClientSampleId :

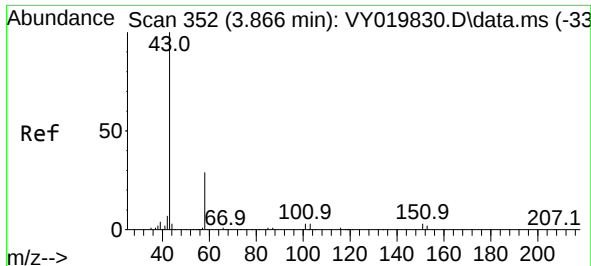
Tgt Ion:168 Resp: 167867
Ion Ratio Lower Upper
168 100
99 63.1 39.1 58.7#



#11
Tert butyl alcohol
Concen: 11.898 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 59 Resp: 1793
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

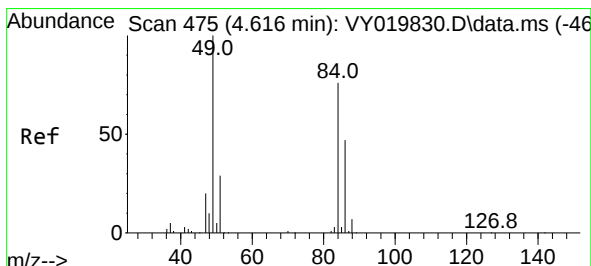
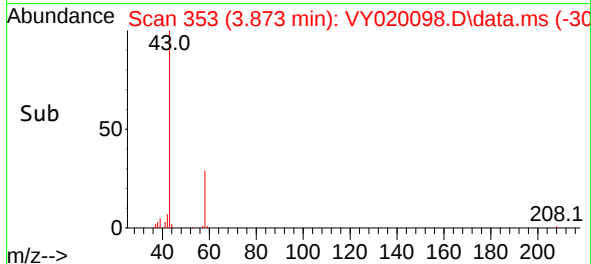
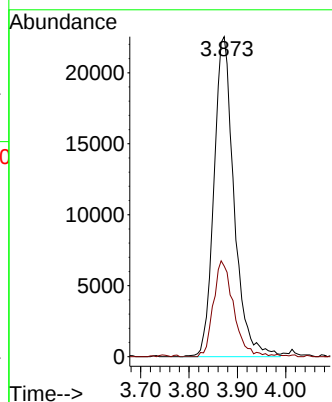
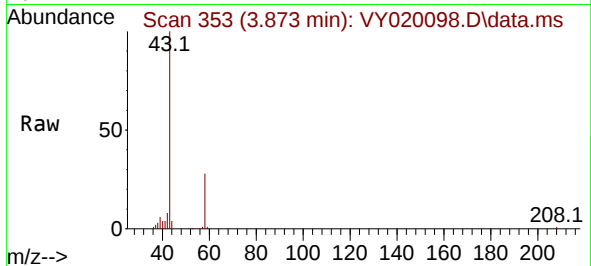




#16
Acetone
Concen: 133.421 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

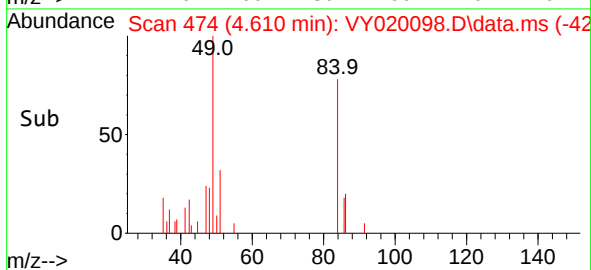
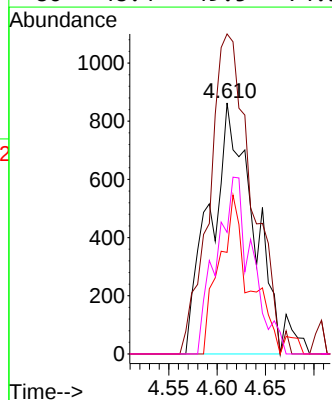
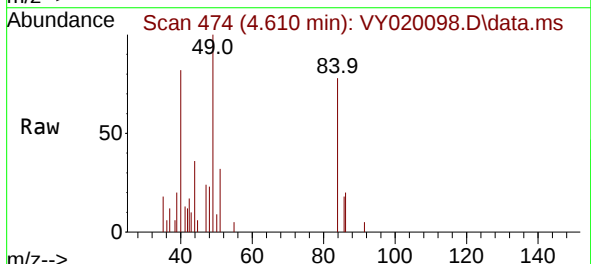
Instrument :
MSVOA_Y
ClientSampleId :

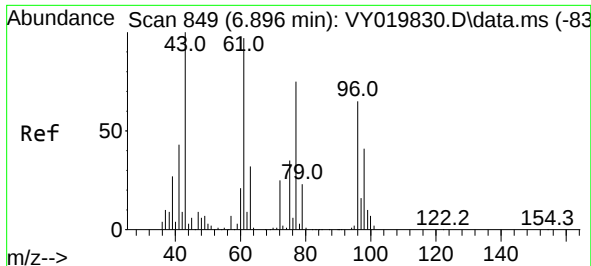
Tgt Ion: 43 Resp: 65006
Ion Ratio Lower Upper
43 100
58 28.3 31.7 47.5#



#20
Methylene Chloride
Concen: 1.209 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 84 Resp: 2647
Ion Ratio Lower Upper
84 100
49 127.5 84.4 126.6#
51 40.4 26.0 39.0#
86 48.4 49.5 74.3#





#25

2-Butanone

Concen: 31.892 ug/l

RT: 6.896 min Scan# 849

Delta R.T. 0.006 min

Lab File: VY020098.D

Acq: 31 Oct 2024 16:35

Instrument :

MSVOA_Y

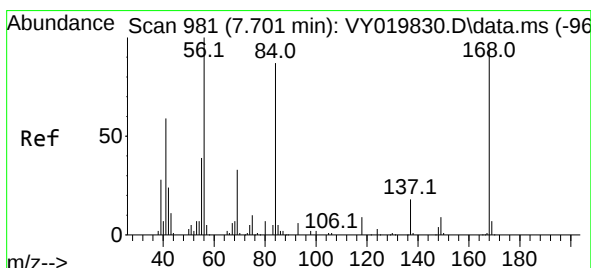
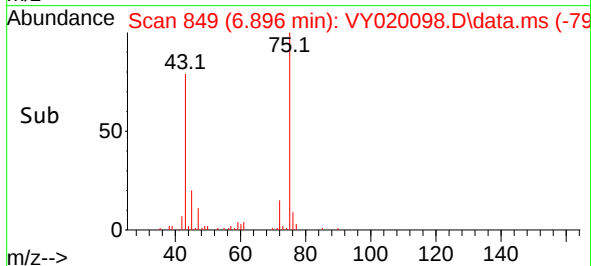
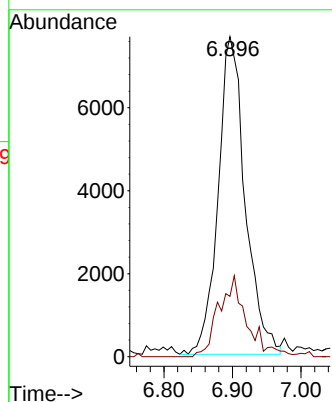
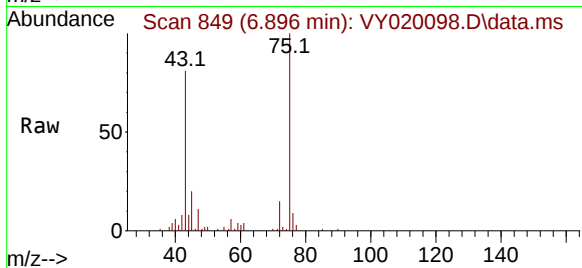
ClientSampleId :

Tgt Ion: 43 Resp: 21063

Ion Ratio Lower Upper

43 100

72 19.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.745 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY020098.D

Acq: 31 Oct 2024 16:35

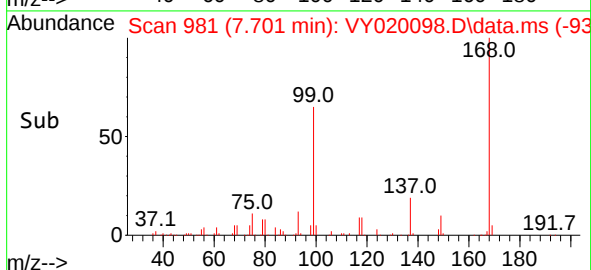
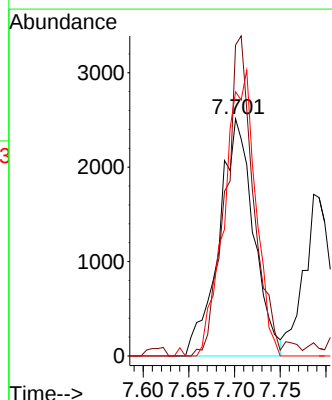
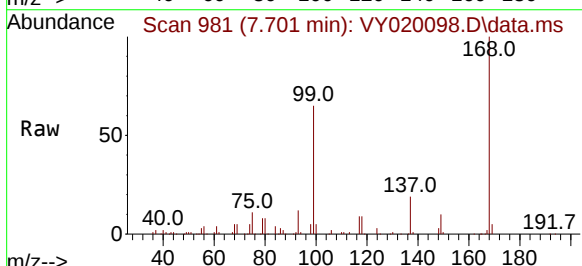
Tgt Ion: 56 Resp: 6634

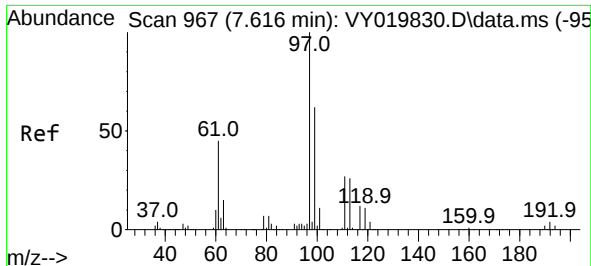
Ion Ratio Lower Upper

56 100

69 131.1 28.7 43.1#

84 111.4 77.7 116.5

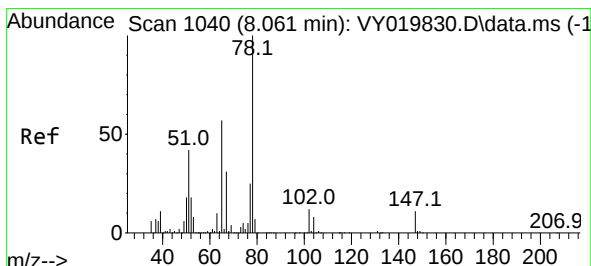
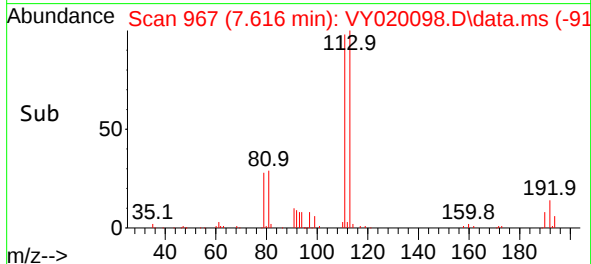
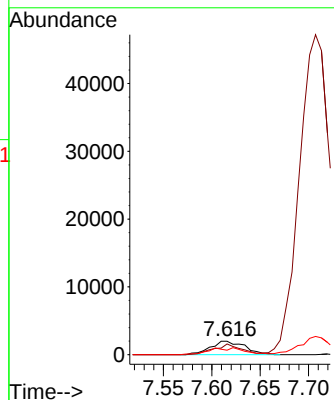
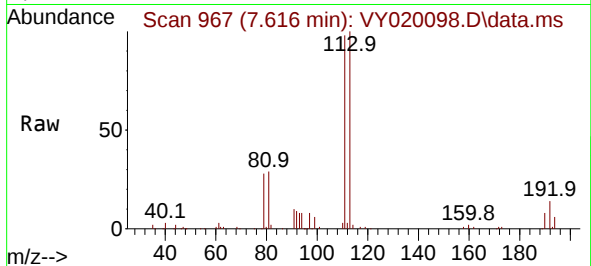




#32
1,1,1-Trichloroethane
Concen: 1.453 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

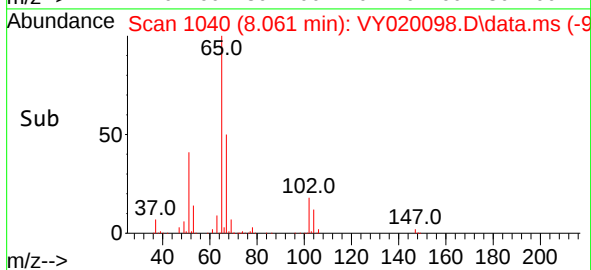
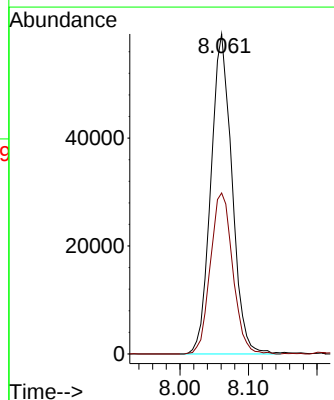
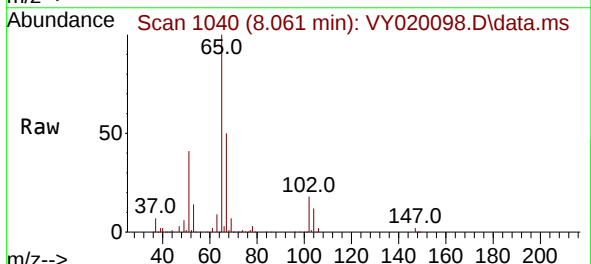
Instrument :
MSVOA_Y
ClientSampleId :

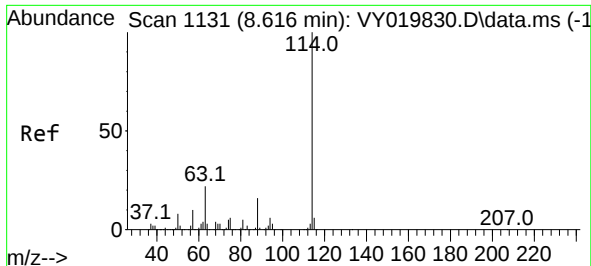
Tgt Ion: 97 Resp: 4945
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 28.1 32.6 48.8#



#33
1,2-Dichloroethane-d4
Concen: 60.527 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 65 Resp: 126809
Ion Ratio Lower Upper
65 100
67 53.3 0.0 109.6

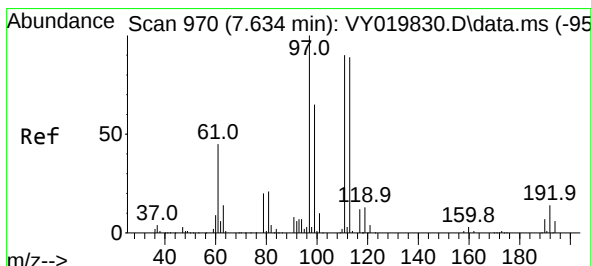
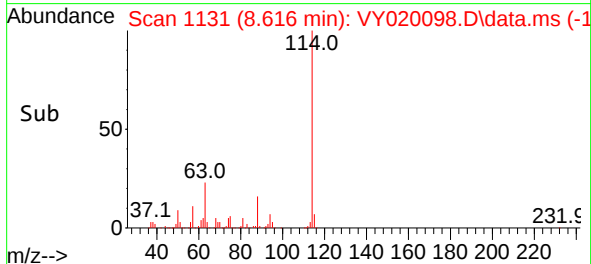
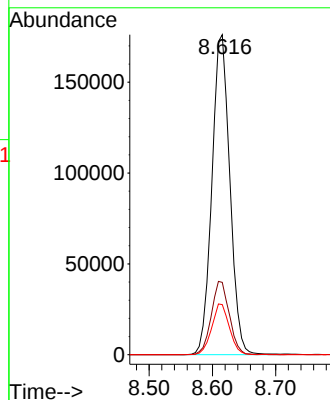
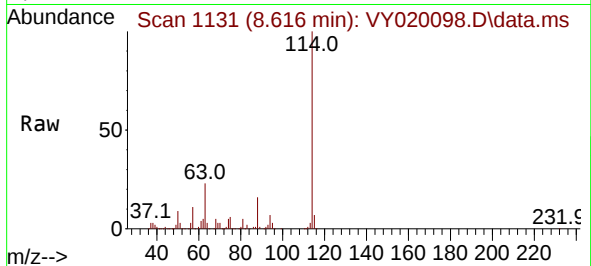




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

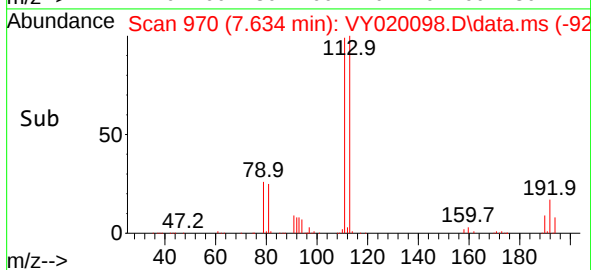
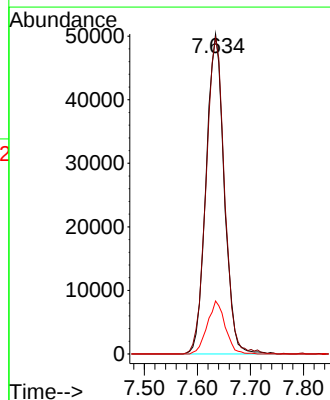
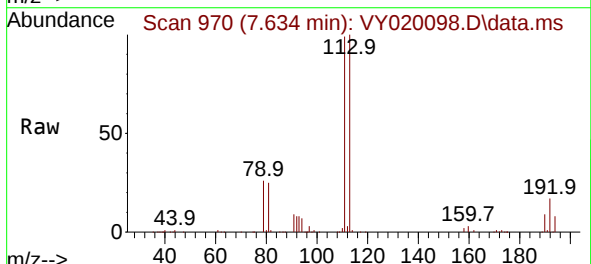
Instrument :
MSVOA_Y
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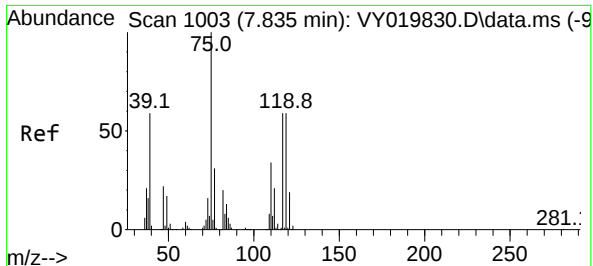
Tgt Ion:114 Resp: 346815
Ion Ratio Lower Upper
114 100
63 22.6 0.0 35.0
88 15.7 0.0 27.2



#35
Dibromofluoromethane
Concen: 54.074 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion:113 Resp: 119234
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 16.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 5.031 ug/l

RT: 7.701 min Scan# 91

Delta R.T. -0.134 min

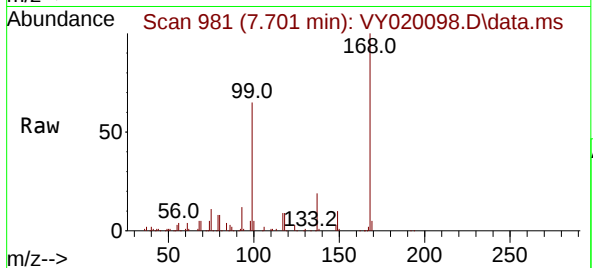
Lab File: VY020098.D

Acq: 31 Oct 2024 16:35

Instrument :

MSVOA_Y

ClientSampleId :



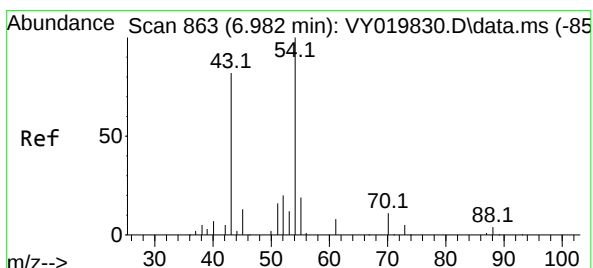
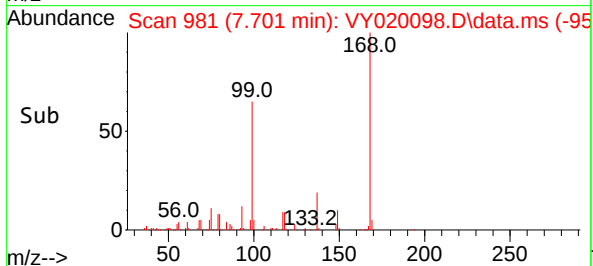
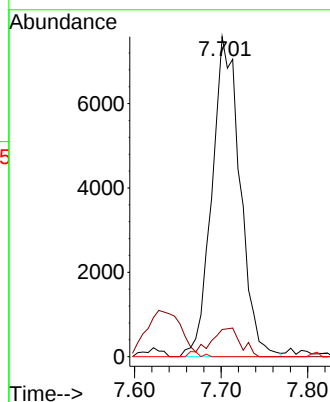
Tgt Ion: 75 Resp: 17138

Ion Ratio Lower Upper

75 100

110 9.2 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 12.970 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.085 min

Lab File: VY020098.D

Acq: 31 Oct 2024 16:35

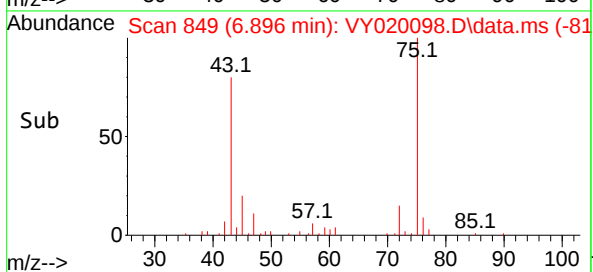
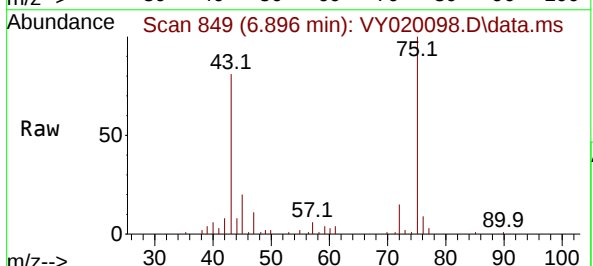
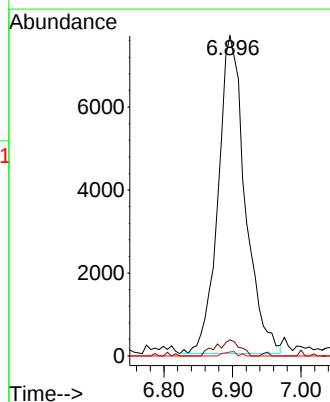
Tgt Ion: 43 Resp: 21063

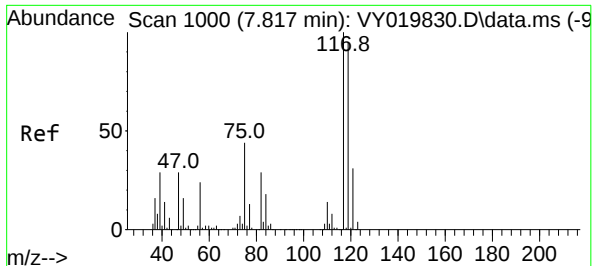
Ion Ratio Lower Upper

43 100

61 4.4 12.6 19.0#

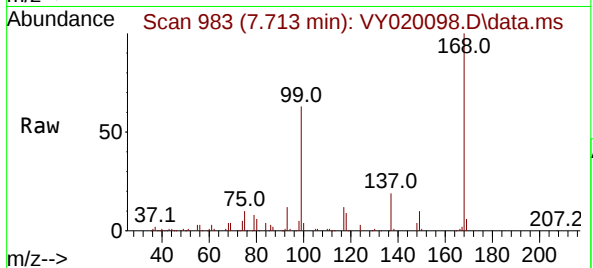
70 0.7 7.8 11.8#



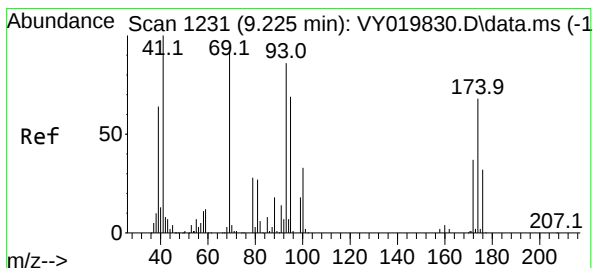
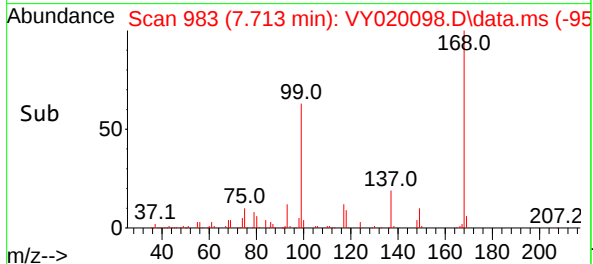
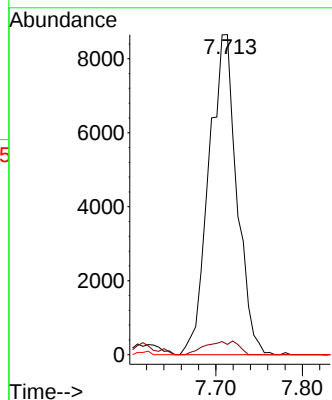


#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Instrument :
MSVOA_Y
ClientSampleId :

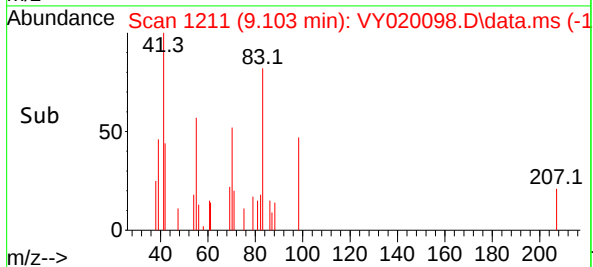
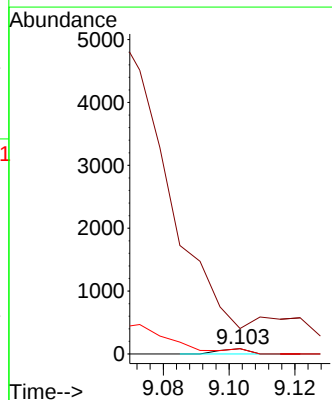
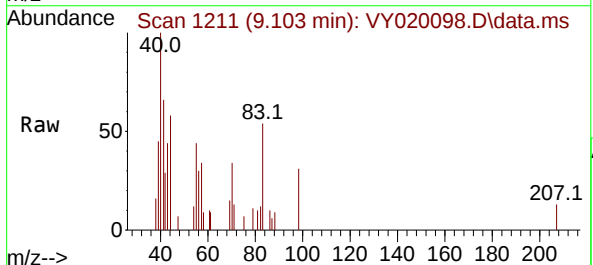


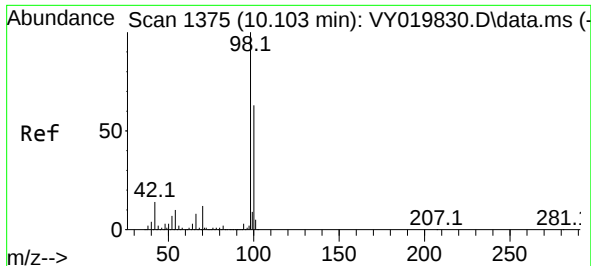
Tgt Ion:117 Resp: 19406
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 3.843 ug/l
RT: 9.103 min Scan# 1211
Delta R.T. -0.128 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#

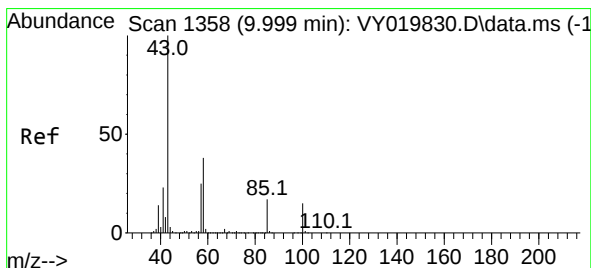
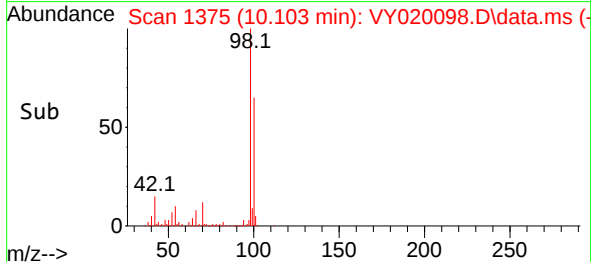
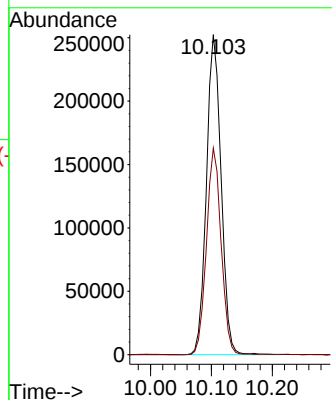
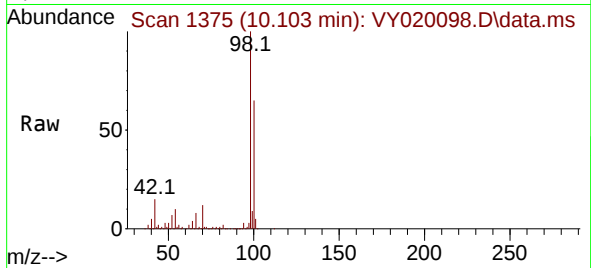




#50
Toluene-d8
Concen: 48.084 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

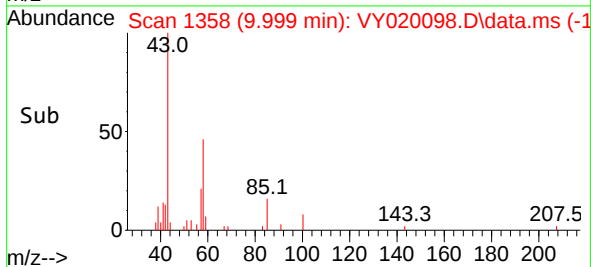
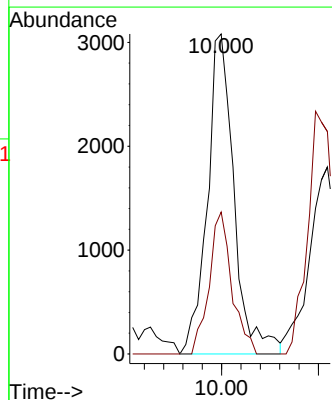
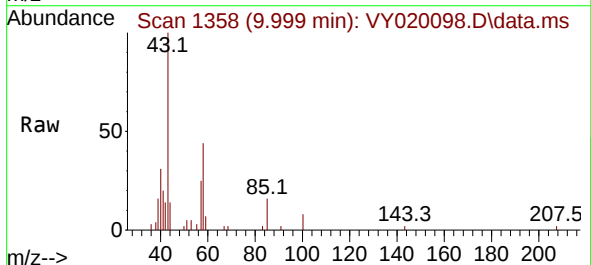
Instrument :
MSVOA_Y
ClientSampleId :

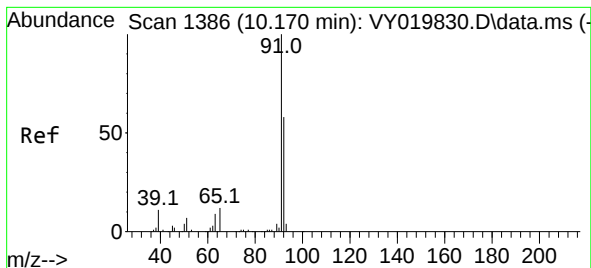
Tgt Ion: 98 Resp: 422039
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 3.670 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

Tgt Ion: 43 Resp: 5906
Ion Ratio Lower Upper
43 100
58 37.8 35.7 53.5





#52

Toluene

Concen: 2.726 ug/l

RT: 10.164 min Scan# 1385

Delta R.T. -0.006 min

Lab File: VY020098.D

Acq: 31 Oct 2024 16:35

Instrument :

MSVOA_Y

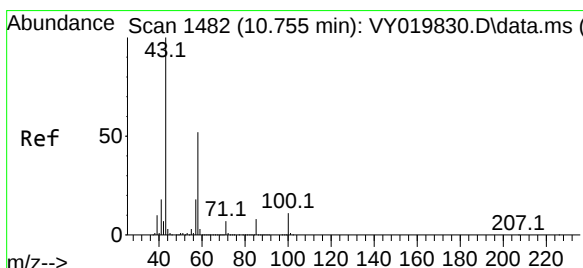
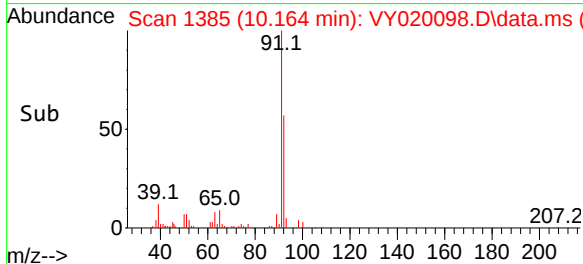
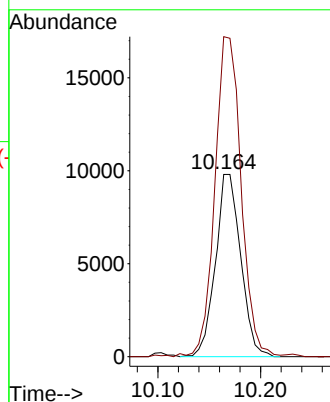
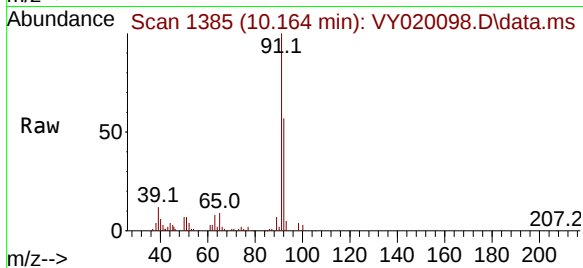
ClientSampleId :

Tgt Ion: 92 Resp: 16704

Ion Ratio Lower Upper

92 100

91 182.6 139.0 208.6



#59

2-Hexanone

Concen: 3.399 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY020098.D

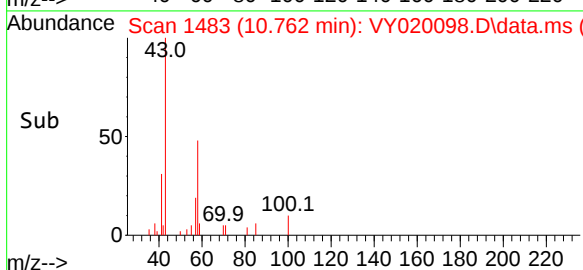
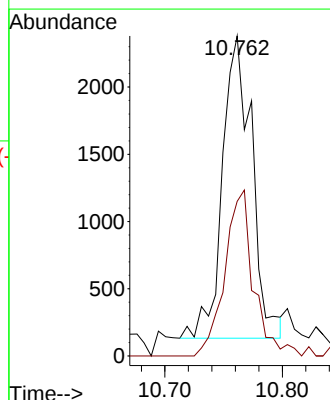
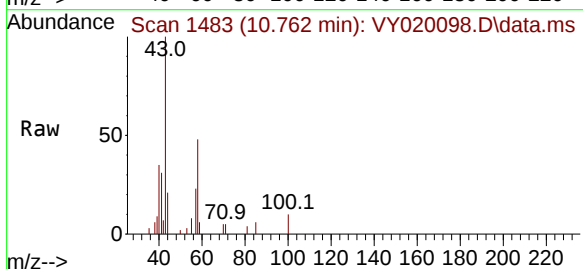
Acq: 31 Oct 2024 16:35

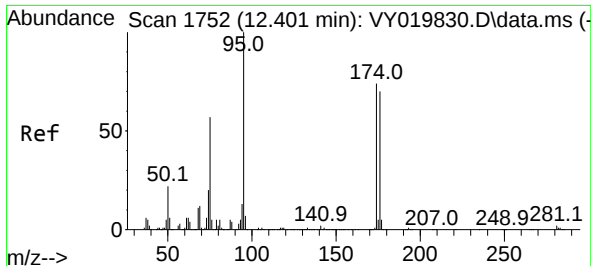
Tgt Ion: 43 Resp: 3921

Ion Ratio Lower Upper

43 100

58 53.5 31.4 94.0

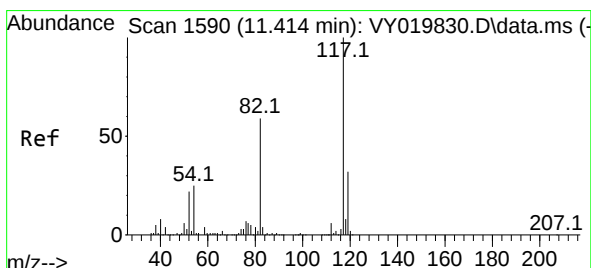
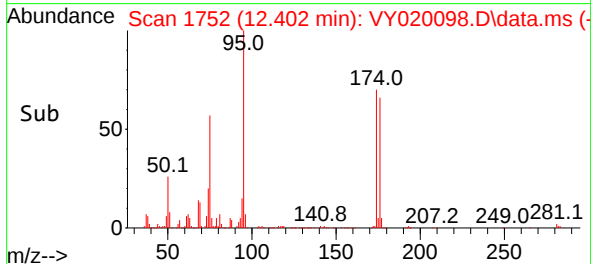
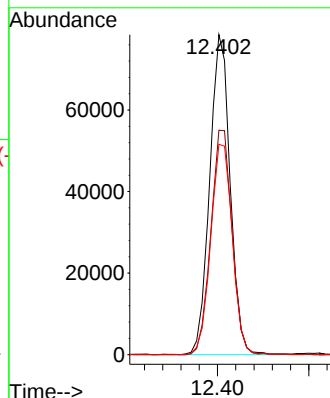
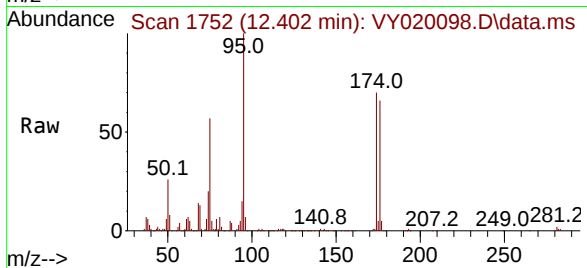




#62
4-Bromofluorobenzene
Concen: 42.683 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

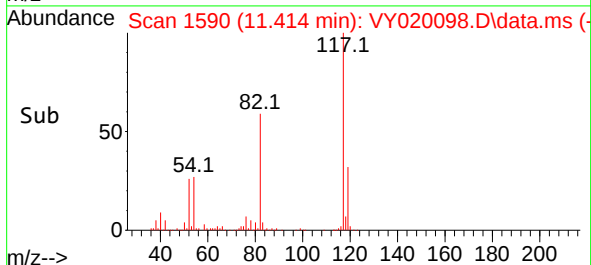
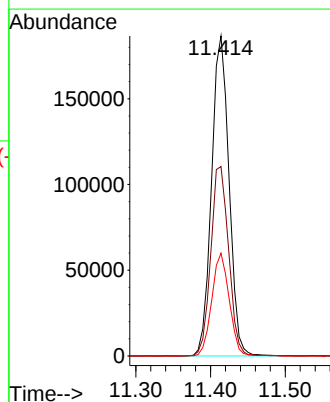
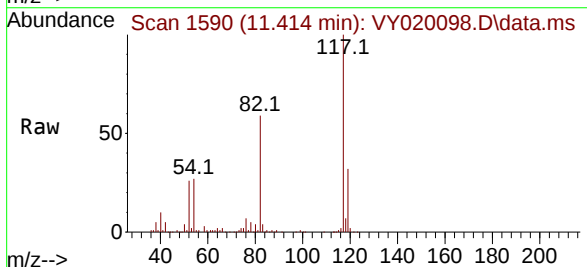
Instrument :
MSVOA_Y
ClientSampleId :

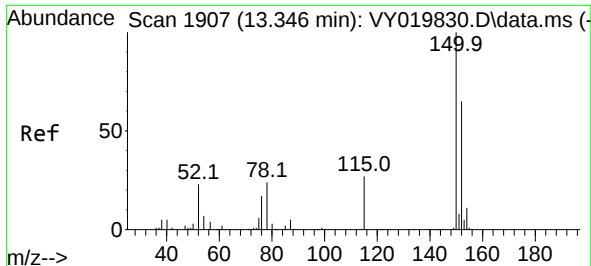
Tgt Ion: 95 Resp: 121685
Ion Ratio Lower Upper
95 100
174 72.9 0.0 175.6
176 69.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

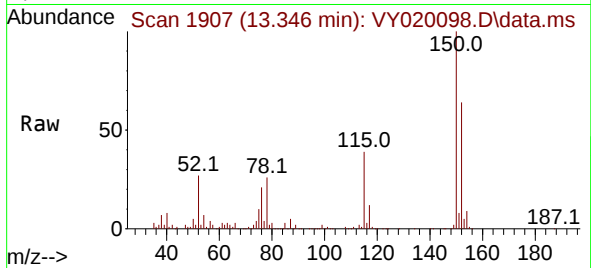
Tgt Ion: 117 Resp: 302900
Ion Ratio Lower Upper
117 100
82 59.2 42.4 63.6
119 32.1 25.9 38.9



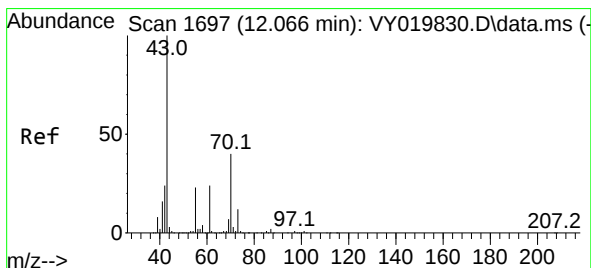
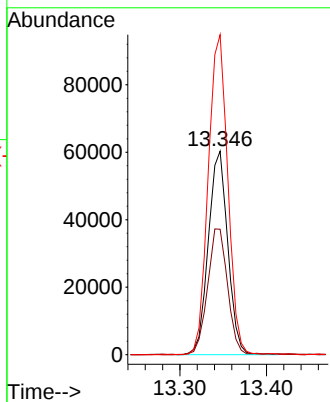
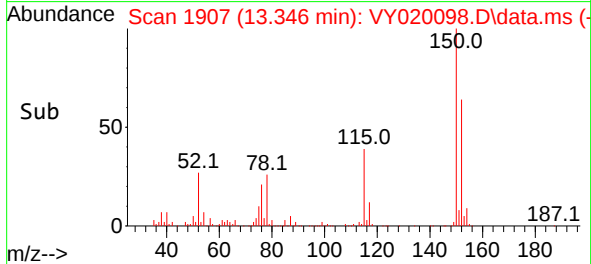


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

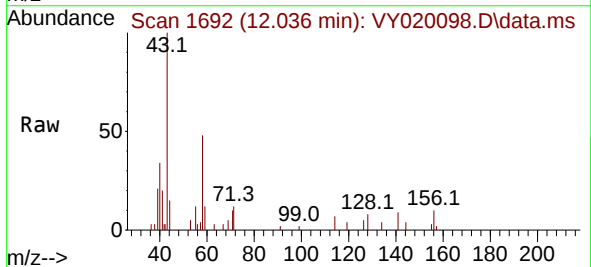
Instrument :
MSVOA_Y
ClientSampleId :



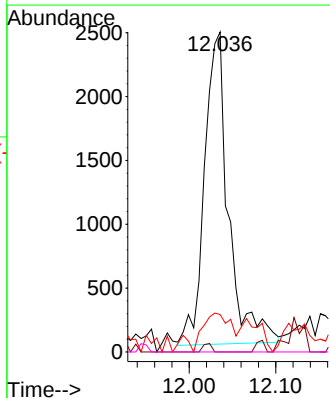
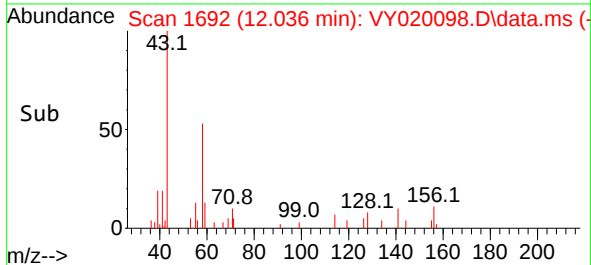
Tgt Ion:152 Resp: 94133
Ion Ratio Lower Upper
152 100
115 63.6 28.2 84.7
150 157.5 0.0 345.6

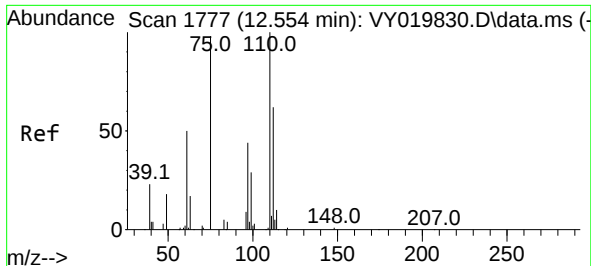


#74
N-ethyl acetate
Concen: 2.493 ug/l
RT: 12.036 min Scan# 1692
Delta R.T. -0.036 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35



Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
70 1.0 41.4 62.2#
55 14.4 23.3 34.9#
61 0.0 22.6 33.8#

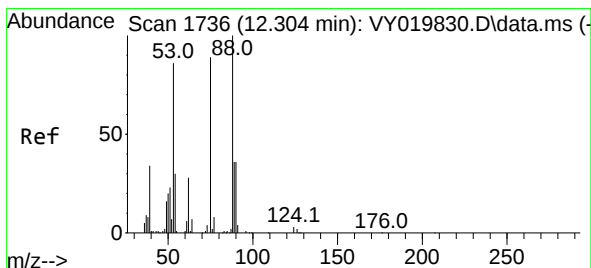
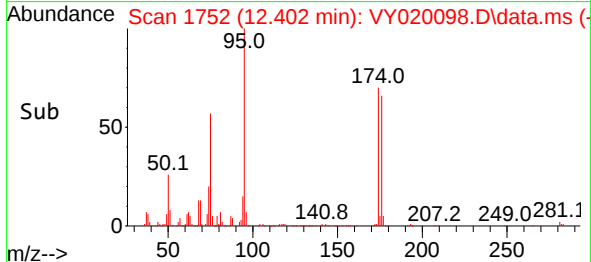
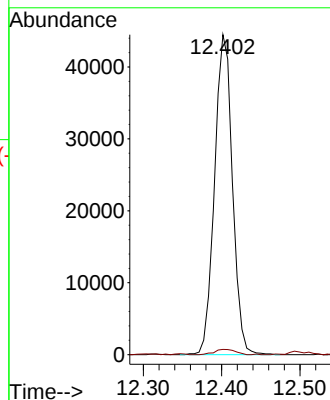
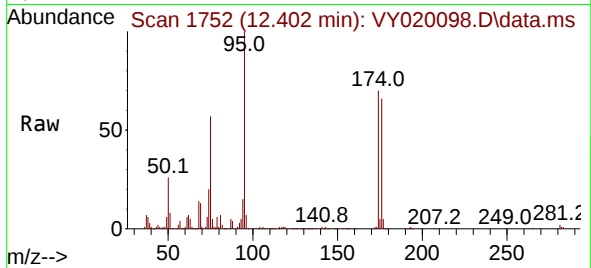




#76
1,2,3-Trichloropropane
Concen: 80.028 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

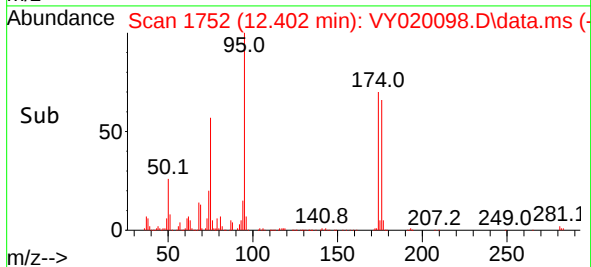
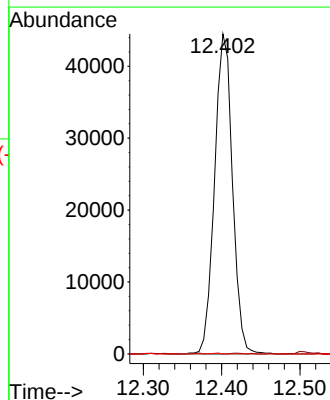
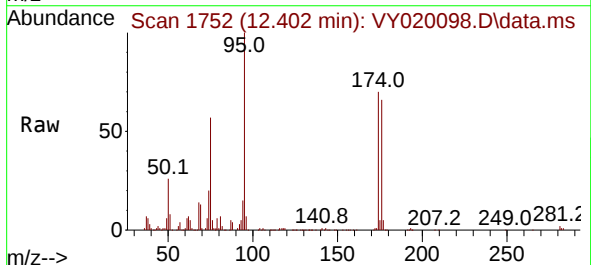
Instrument :
MSVOA_Y
ClientSampleId :

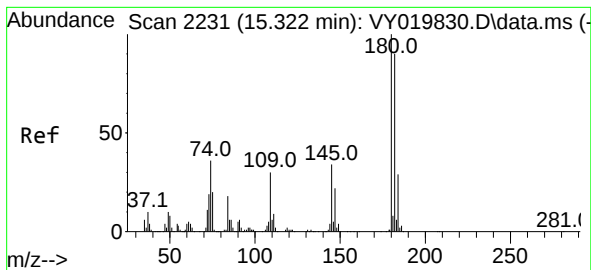
Tgt Ion: 75 Resp: 70617
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 172.138 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY020098.D
Acq: 31 Oct 2024 16:35

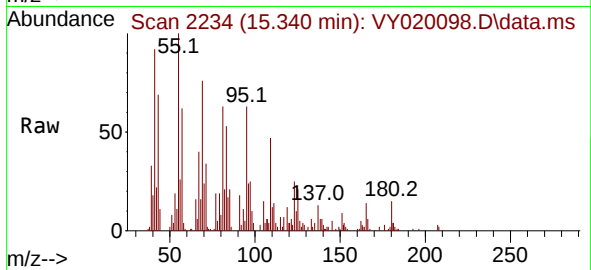
Tgt Ion: 75 Resp: 70617
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.708 ug/l
 RT: 15.340 min Scan# 21
 Delta R.T. 0.013 min
 Lab File: VY020098.D
 Acq: 31 Oct 2024 16:35

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	33.8	47.6	142.9#
145	0.0	15.4	46.1#

