

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
 Data File : VY019936.D
 Acq On : 17 Oct 2024 16:48
 Operator : SY/MD
 Sample : P4421-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 01:44:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 05:44:48 2024
 Response via : Initial Calibration

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

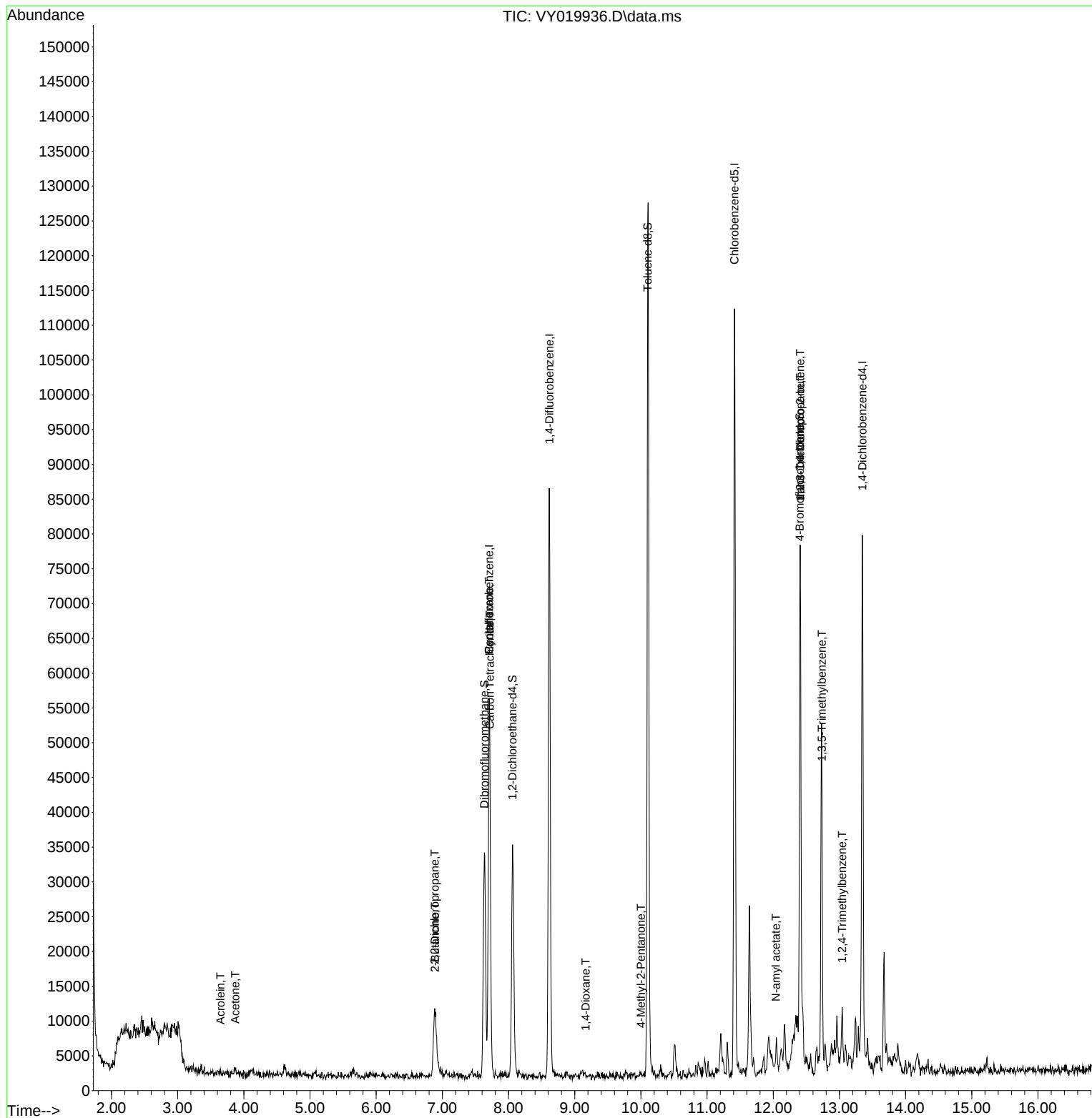
Internal Standards						
1) Pentafluorobenzene	7.707	168	37464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	67587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	55937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	15952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	25182	54.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.180%	
35) Dibromofluoromethane	7.634	113	22986	51.538	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.080%	
50) Toluene-d8	10.103	98	80191	48.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.380%	
62) 4-Bromofluorobenzene	12.401	95	21216	35.650	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 71.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	484	Below Cal	#	88
13) Acrolein	3.647	56	80	2.360	ug/l #	45
16) Acetone	3.872	43	695	5.788	ug/l #	55
25) 2-Butanone	6.890	43	538	3.347	ug/l #	41
26) 2,2-Dichloropropane	6.884	77	871	1.114	ug/l #	51
31) Cyclohexane	7.707	56	1471	1.908	ug/l #	41
38) Carbon Tetrachloride	7.719	117	4582	6.652	ug/l #	13
49) 1,4-Dioxane	9.164	88	21	7.056	ug/l #	20
51) 4-Methyl-2-Pentanone	9.999	43	420	1.205	ug/l #	31
74) N-amyl acetate	12.042	43	1260	3.546	ug/l #	68
76) 1,2,3-Trichloropropane	12.408	75	12262	39.239	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	2871	2.649	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.408	75	12262	158.382	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.042	105	4170	3.881	ug/l	96

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

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Quant Time: Oct 18 01:44:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100924S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

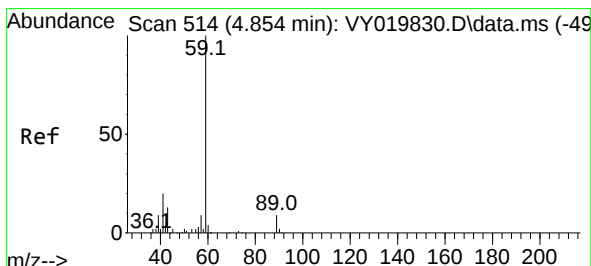
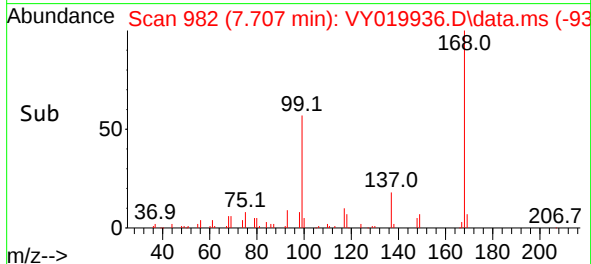
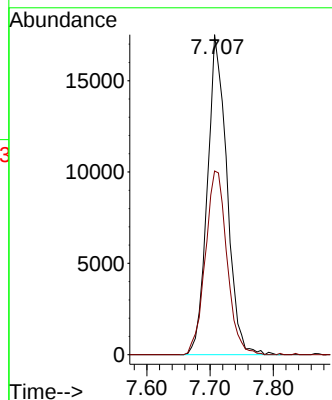
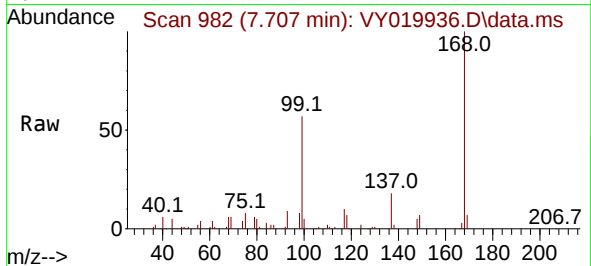




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

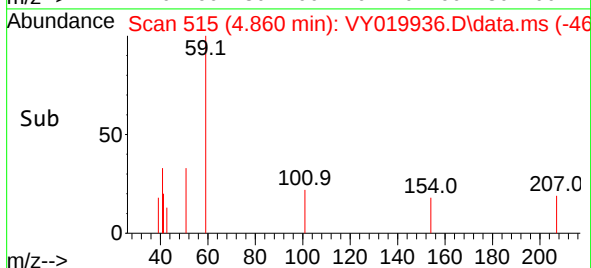
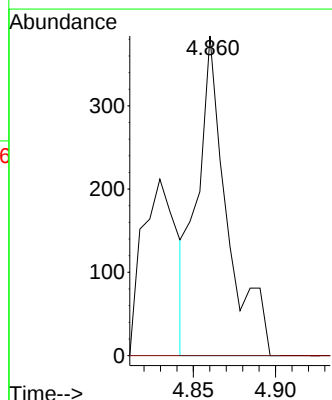
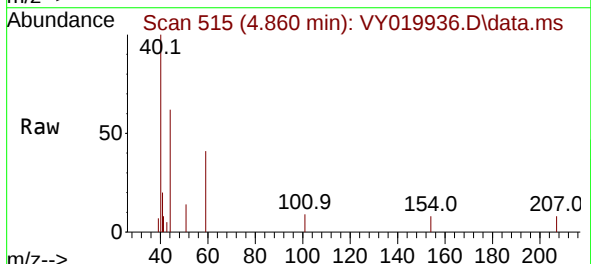
Instrument :
MSVOA_Y
ClientSampleId :

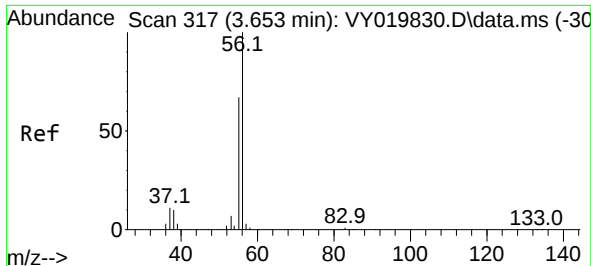
Tgt Ion:168 Resp: 37464
Ion Ratio Lower Upper
168 100
99 57.4 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.860 min Scan# 515
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

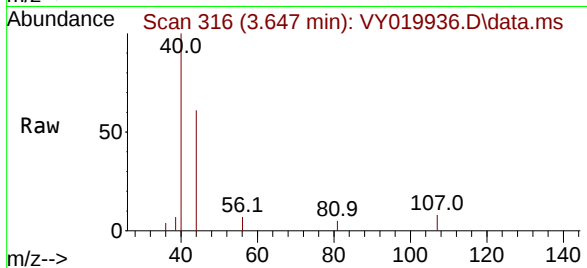
Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



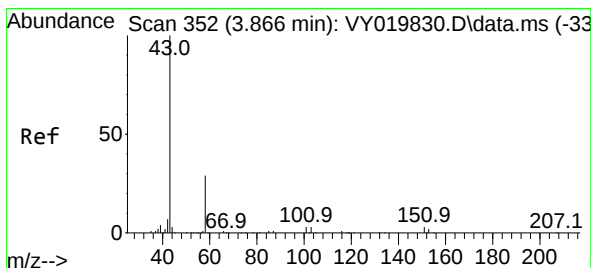
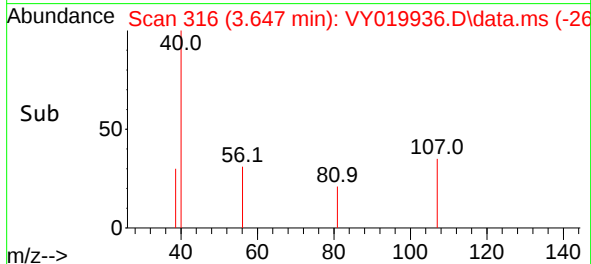
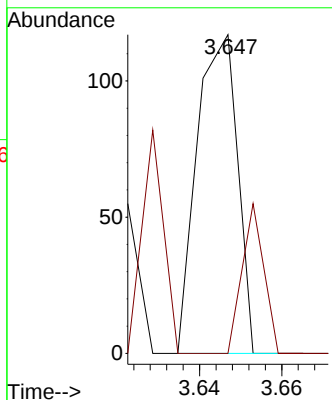


#13
Acrolein
Concen: 2.360 ug/l
RT: 3.647 min Scan# 317
Delta R.T. -0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

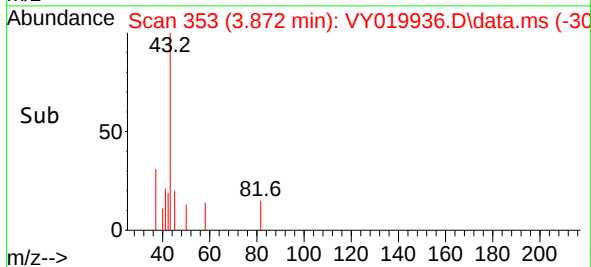
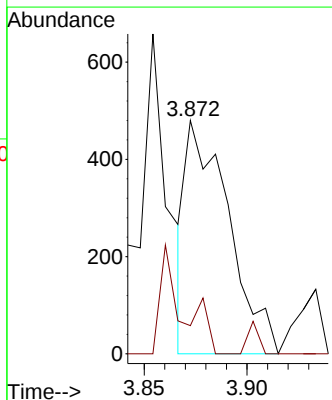
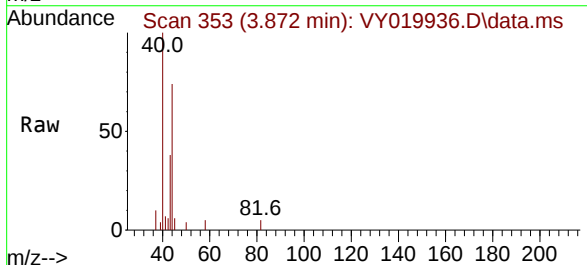


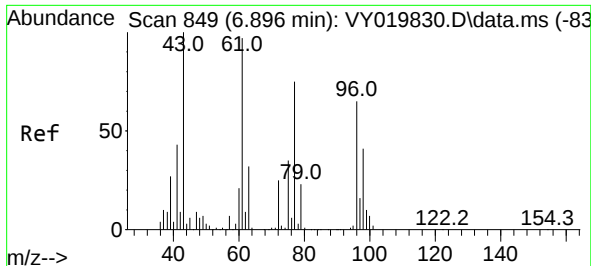
Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 25.0 55.7 83.5#



#16
Acetone
Concen: 5.788 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 12.1 31.7 47.5#





#25

2-Butanone

Concen: 3.347 ug/l

RT: 6.890 min Scan# 849

Delta R.T. 0.000 min

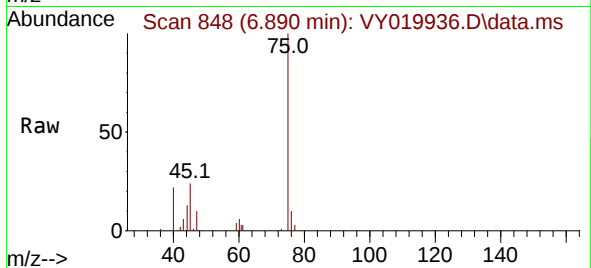
Lab File: VY019936.D

Acq: 17 Oct 2024 16:48

Instrument :

MSVOA_Y

ClientSampleId :

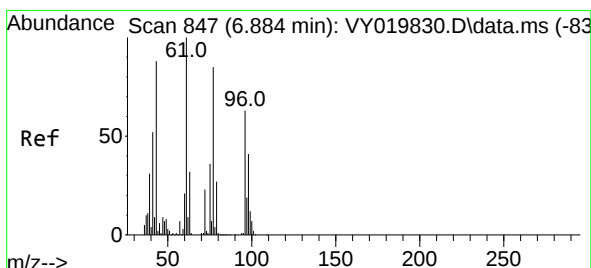
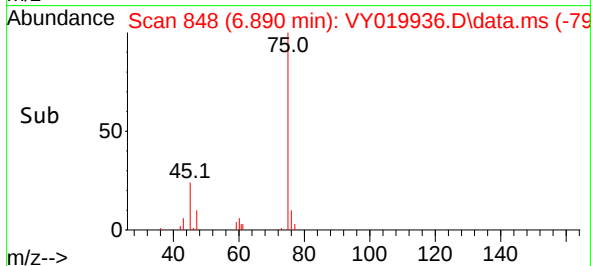
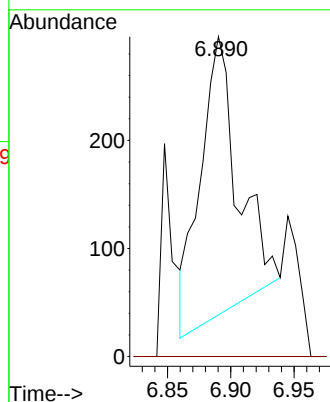


Tgt Ion: 43 Resp: 538

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.114 ug/l

RT: 6.884 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY019936.D

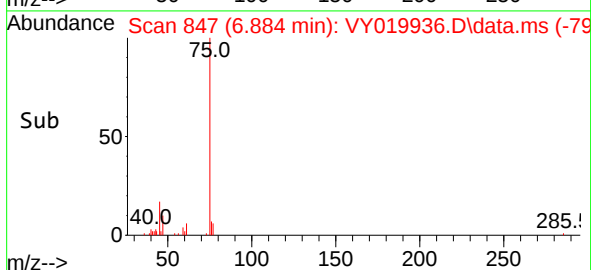
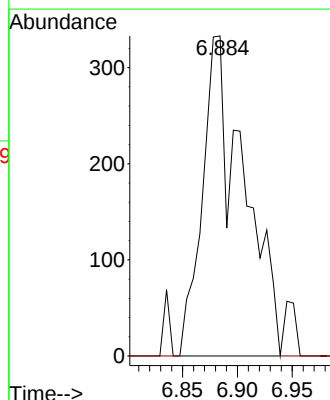
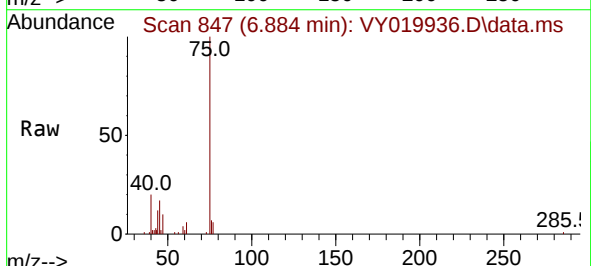
Acq: 17 Oct 2024 16:48

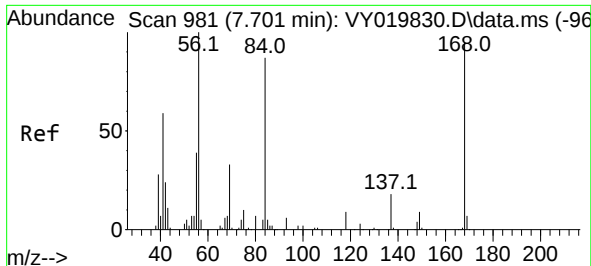
Tgt Ion: 77 Resp: 871

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#

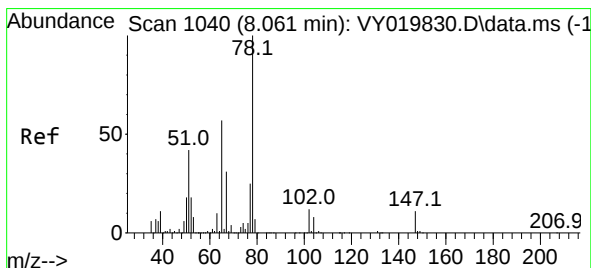
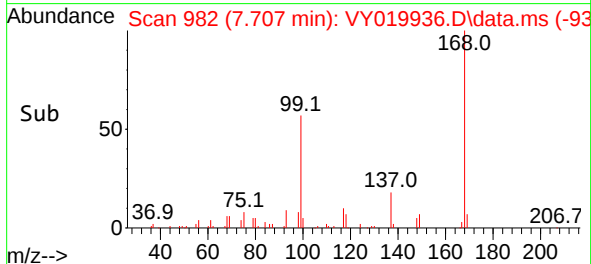
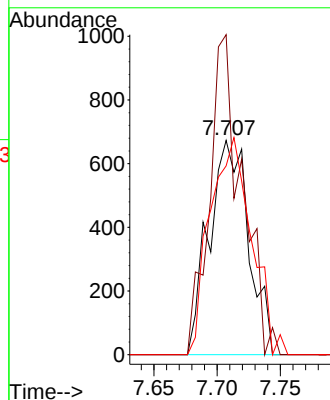
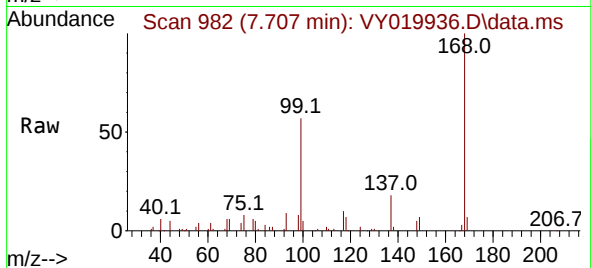




#31
Cyclohexane
Concen: 1.908 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

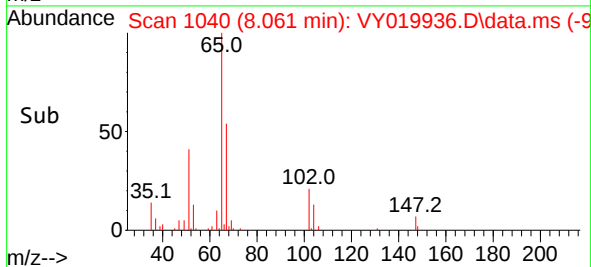
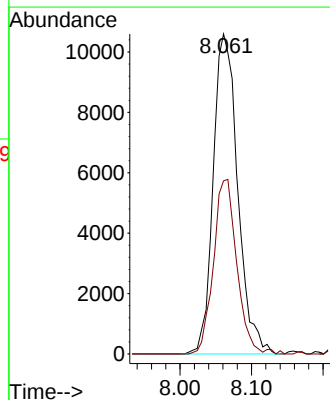
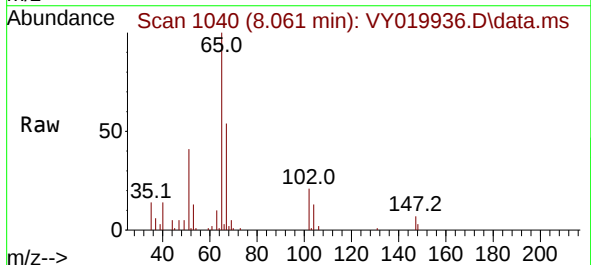
Instrument :
MSVOA_Y
ClientSampleId :

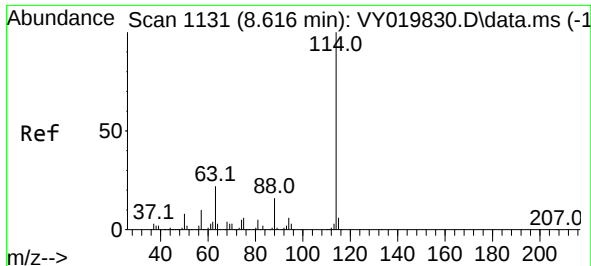
Tgt Ion: 56 Resp: 1471
Ion Ratio Lower Upper
56 100
69 149.3 28.7 43.1#
84 88.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 54.590 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

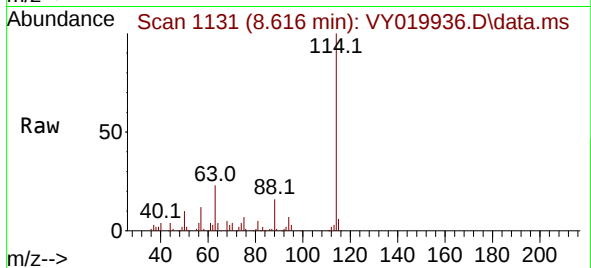
Tgt Ion: 65 Resp: 25182
Ion Ratio Lower Upper
65 100
67 51.6 0.0 109.6



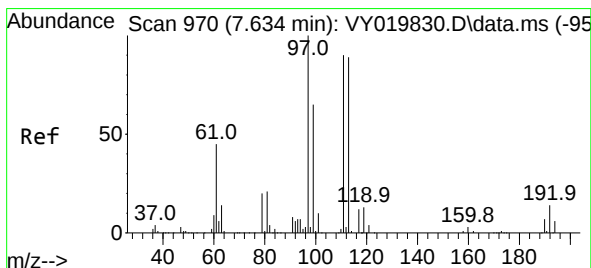
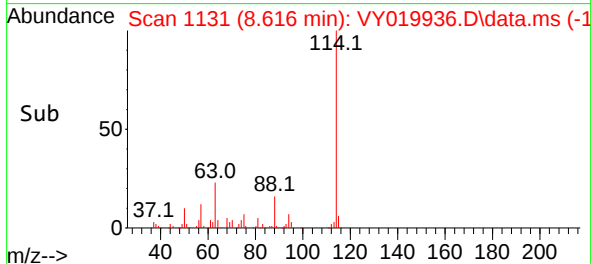
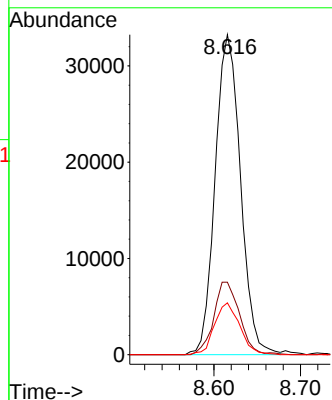


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

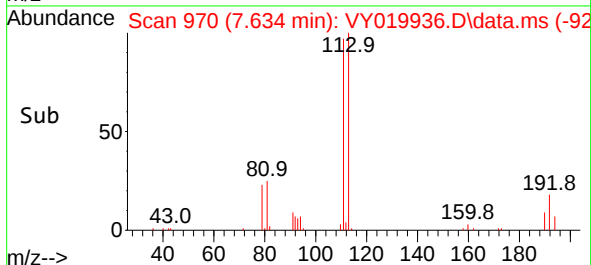
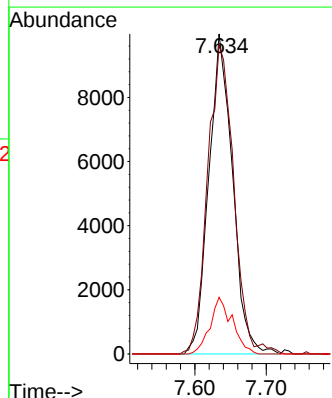
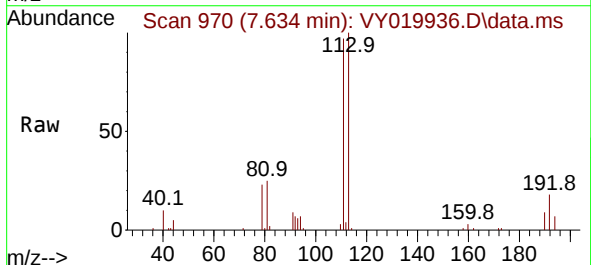


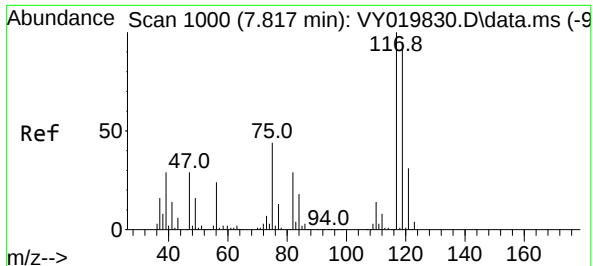
Tgt Ion:	114	Resp:	67587
Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	35.0
88	16.2	0.0	27.2



#35
Dibromofluoromethane
Concen: 51.538 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

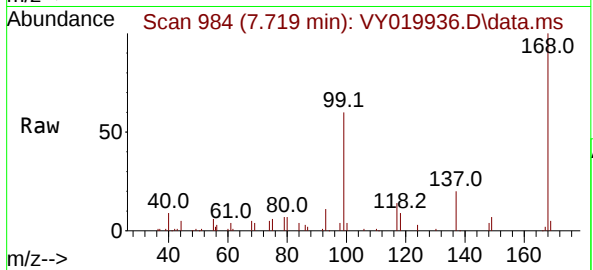
Tgt Ion:	113	Resp:	22986
Ion	Ratio	Lower	Upper
113	100		
111	105.8	82.2	123.4
192	16.6	15.9	23.9



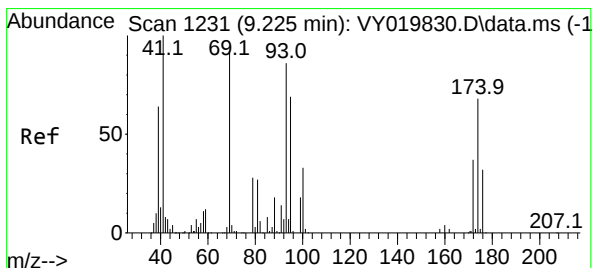
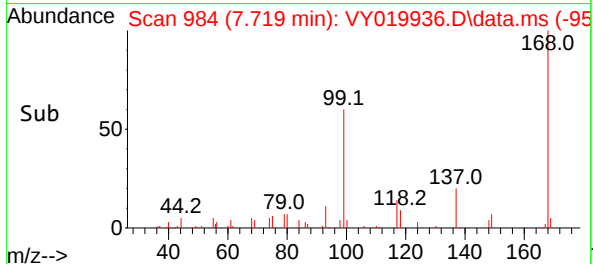
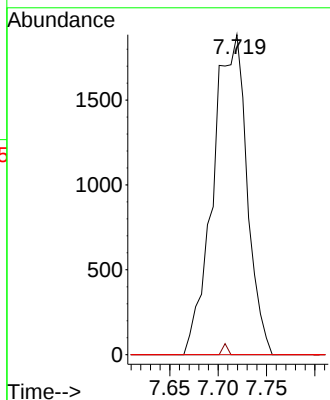


#38
Carbon Tetrachloride
Concen: 6.652 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

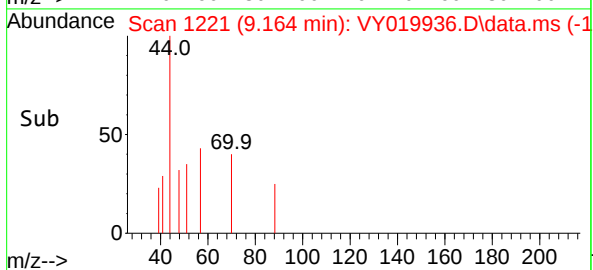
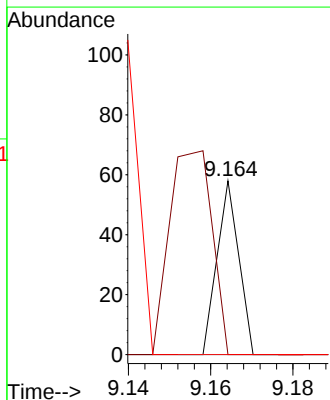
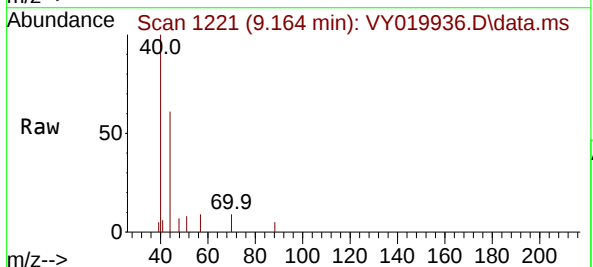


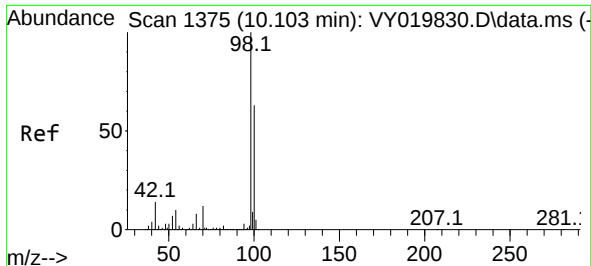
Tgt Ion:117 Resp: 4582
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 7.056 ug/l
RT: 9.164 min Scan# 1221
Delta R.T. -0.067 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 233.3 0.0 0.0#
58 0.0 49.3 73.9#

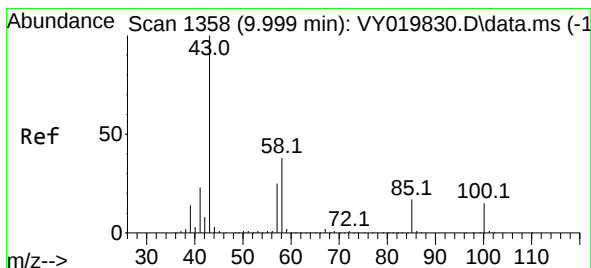
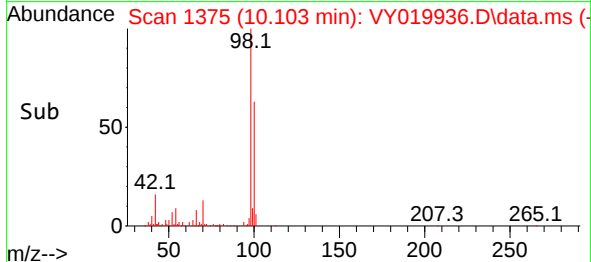
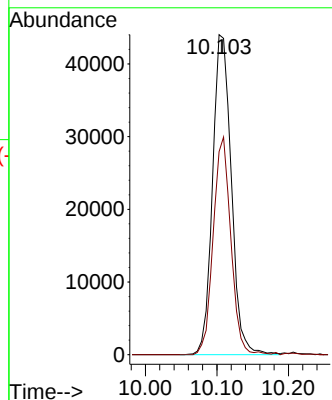
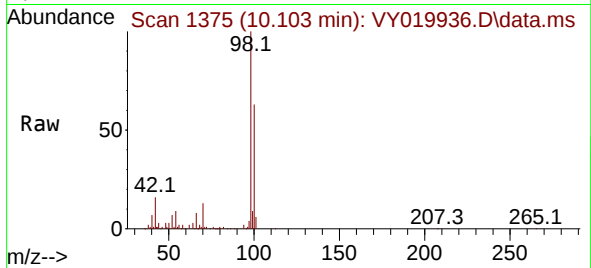




#50
Toluene-d8
Concen: 48.689 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

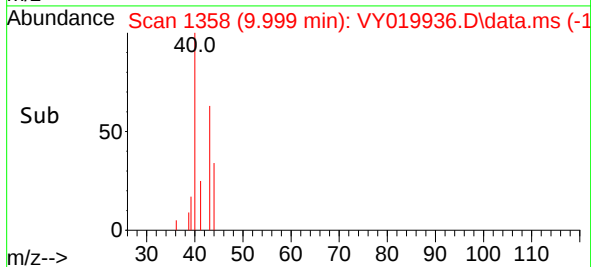
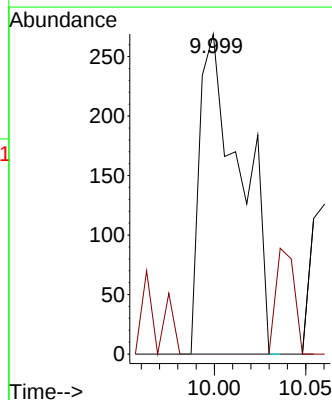
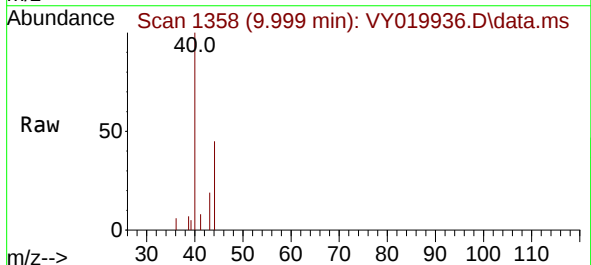
Instrument :
MSVOA_Y
ClientSampleId :

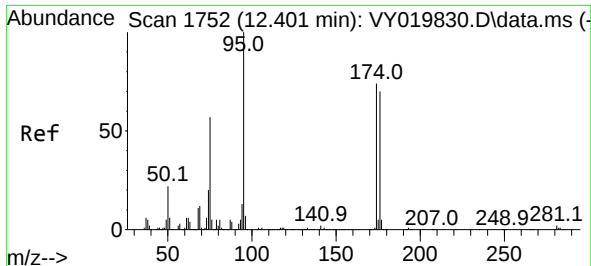
Tgt Ion: 98 Resp: 80191
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.205 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion: 43 Resp: 420
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

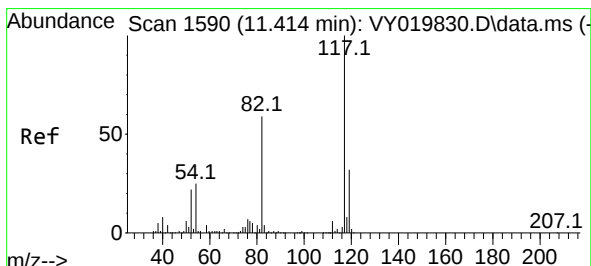
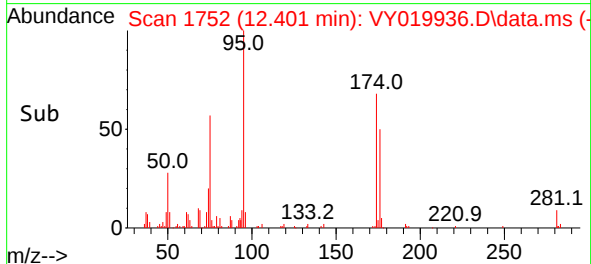
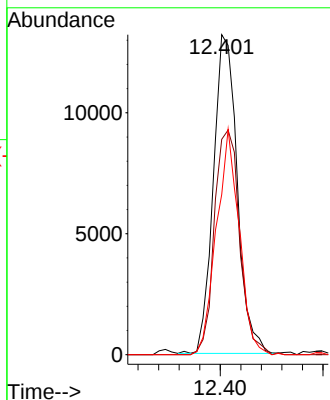
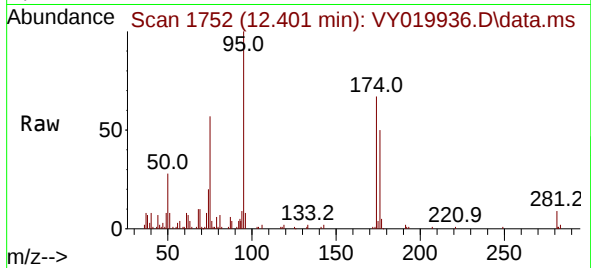




#62
4-Bromofluorobenzene
Concen: 35.650 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

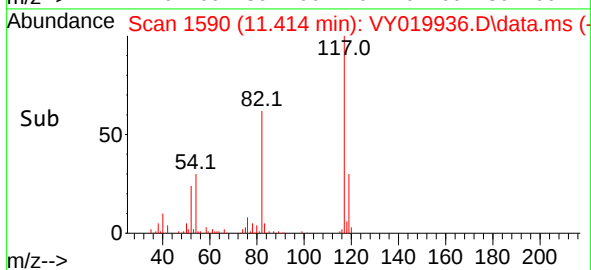
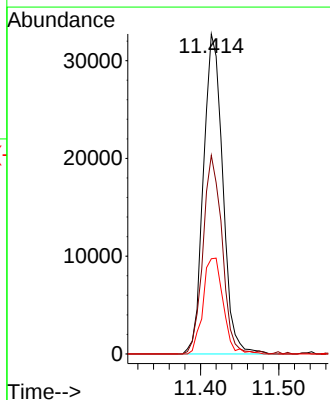
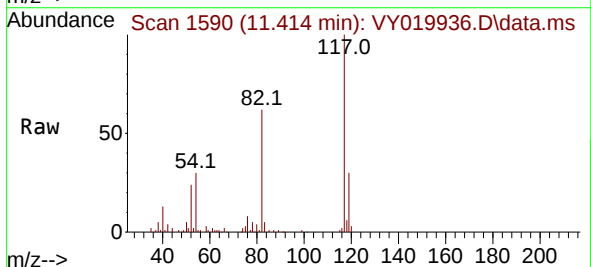
Instrument :
MSVOA_Y
ClientSampleId :

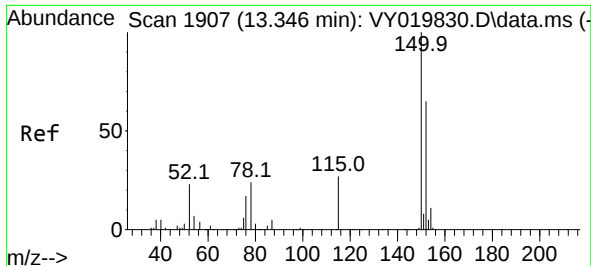
Tgt Ion:	95	Resp:	21216
Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	175.6
176	67.6	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion:	117	Resp:	55937
Ion	Ratio	Lower	Upper
117	100		
82	62.1	42.4	63.6
119	29.8	25.9	38.9

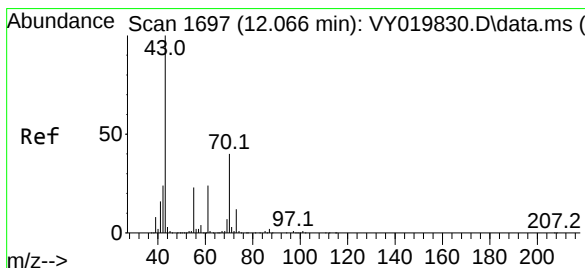
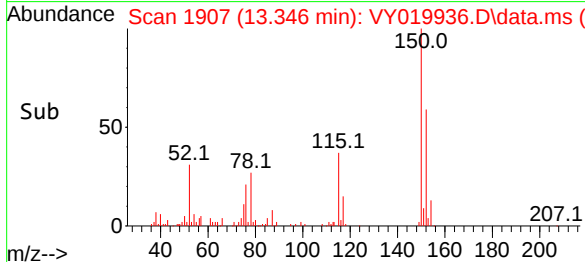
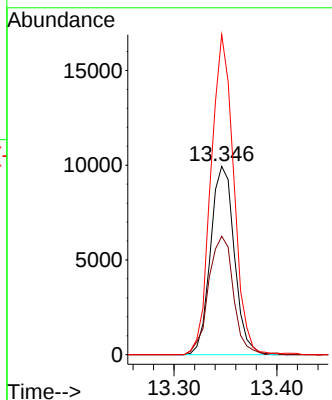
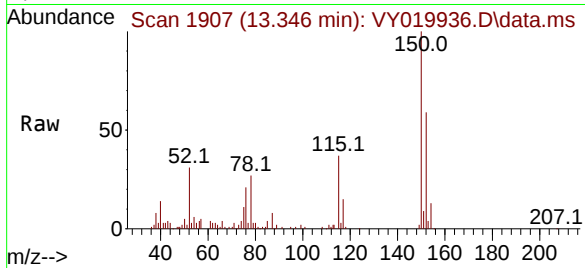




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019936.D
 Acq: 17 Oct 2024 16:48

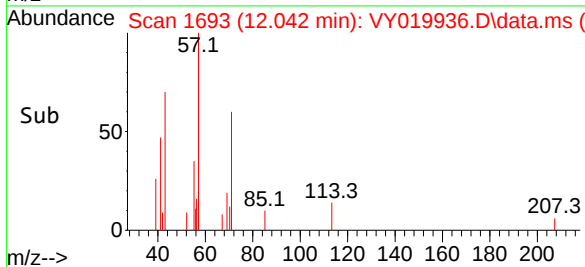
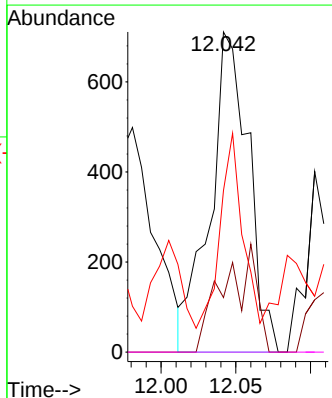
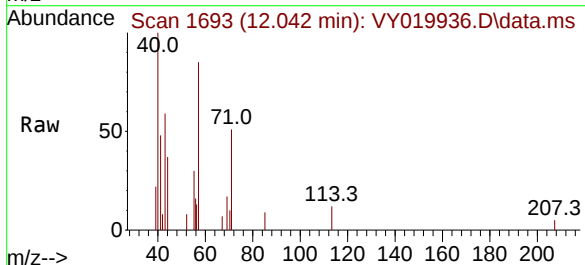
Instrument :
 MSVOA_Y
 ClientSampleId :

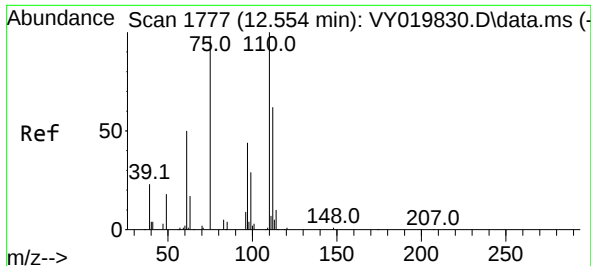
Tgt Ion:152 Resp: 15952
 Ion Ratio Lower Upper
 152 100
 115 65.4 28.2 84.7
 150 162.9 0.0 345.6



#74
 N-ethyl acetate
 Concen: 3.546 ug/l
 RT: 12.042 min Scan# 1693
 Delta R.T. -0.030 min
 Lab File: VY019936.D
 Acq: 17 Oct 2024 16:48

Tgt Ion: 43 Resp: 1260
 Ion Ratio Lower Upper
 43 100
 70 29.0 41.4 62.2#
 55 35.2 23.3 34.9#
 61 0.0 22.6 33.8#

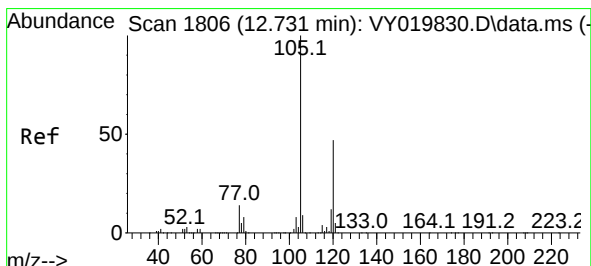
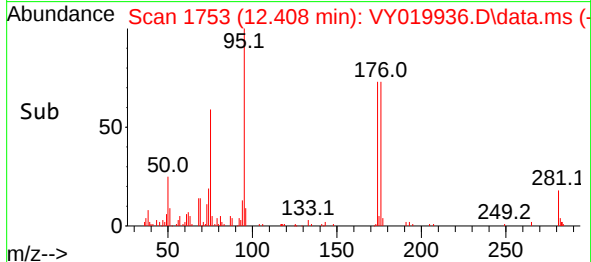
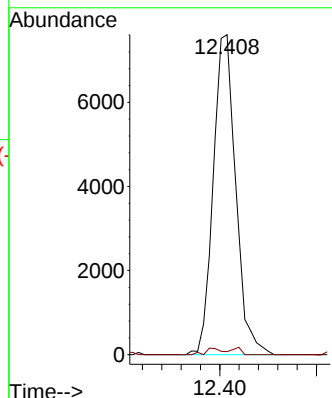
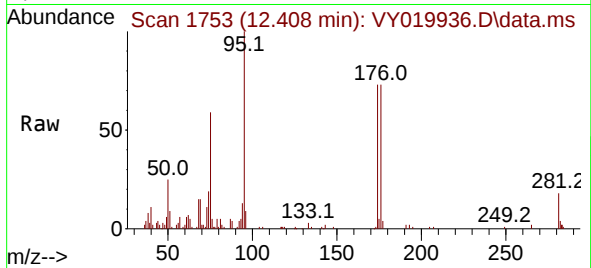




#76
1,2,3-Trichloropropane
Concen: 39.239 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

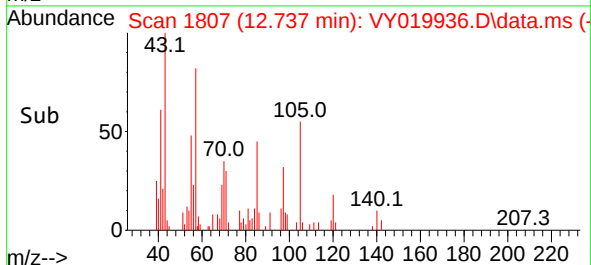
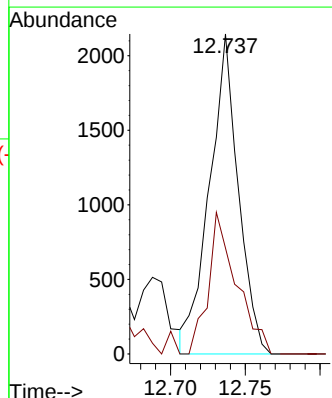
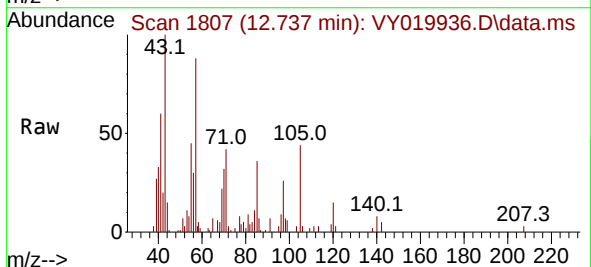
Instrument :
MSVOA_Y
ClientSampleId :

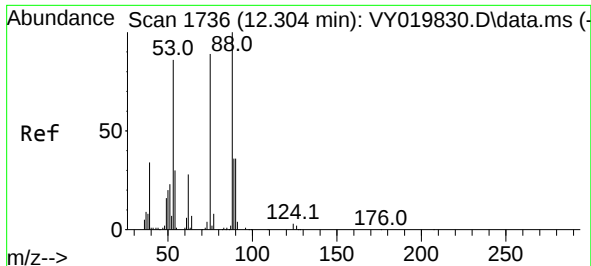
Tgt Ion: 75 Resp: 12262
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 2.649 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion:105 Resp: 2871
Ion Ratio Lower Upper
105 100
120 43.6 25.1 75.2

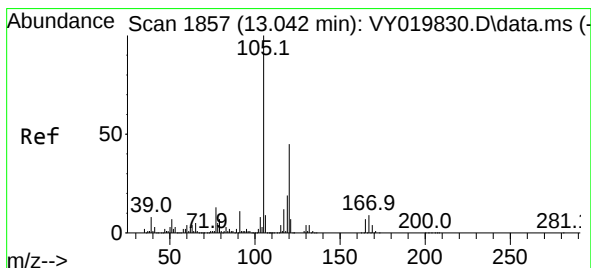
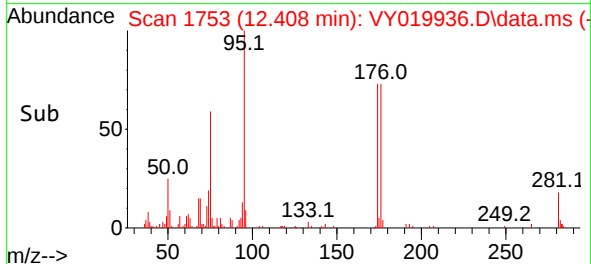
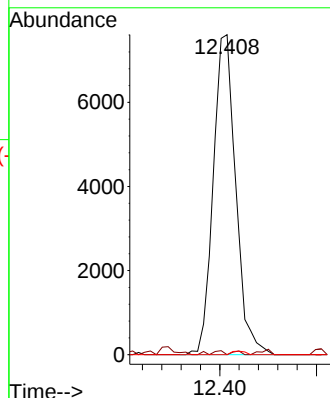
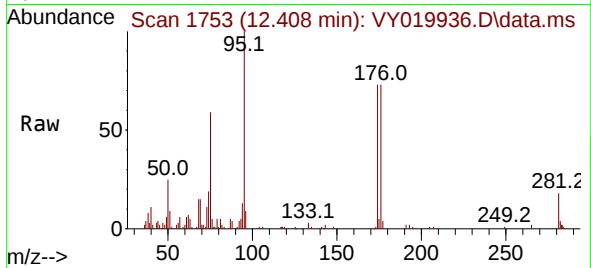




#81
trans-1,4-Dichloro-2-butene
Concen: 158.382 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 12262
Ion Ratio Lower Upper
75 100
53 0.8 66.8 100.2#
89 0.0 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 3.881 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY019936.D
Acq: 17 Oct 2024 16:48

Tgt Ion: 105 Resp: 4170
Ion Ratio Lower Upper
105 100
120 43.5 23.2 69.6

