

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
 Data File : VY019937.D
 Acq On : 17 Oct 2024 17:11
 Operator : SY/MD
 Sample : P4419-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 01:44:49 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)

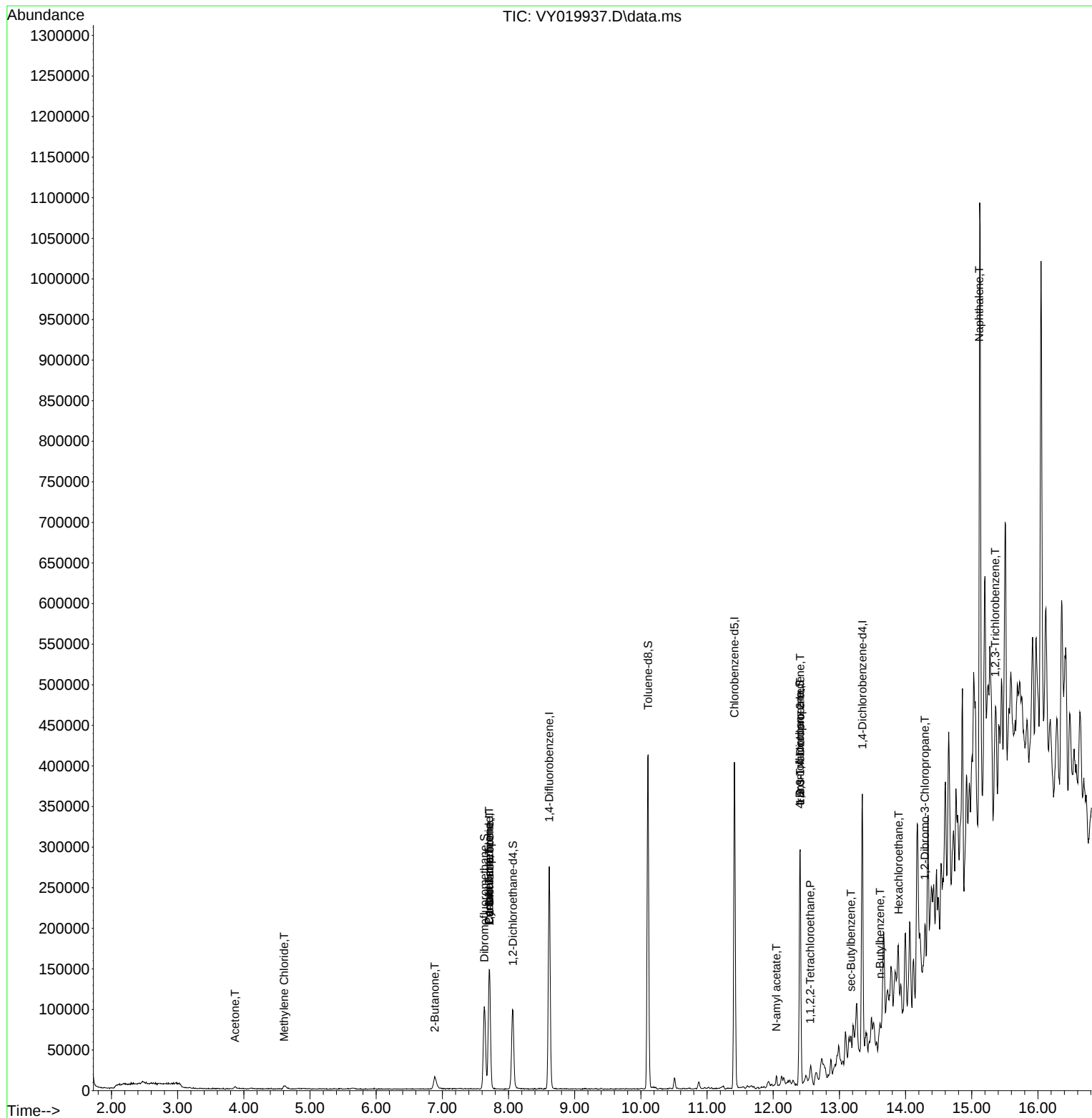
Internal Standards						
1) Pentafluorobenzene	7.707	168	103782	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	212433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	194040	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	75290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	77790	60.875	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.760%	
35) Dibromofluoromethane	7.634	113	72824	51.949	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.900%	
50) Toluene-d8	10.109	98	257822	49.804	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.600%	
62) 4-Bromofluorobenzene	12.401	95	82786	44.258	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 88.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	311	Below Cal	#	88
16) Acetone	3.866	43	4489	13.495	ug/l #	78
20) Methylene Chloride	4.610	84	2728	1.436	ug/l #	88
25) 2-Butanone	6.884	43	940	2.111	ug/l #	41
31) Cyclohexane	7.707	56	3428	1.605	ug/l #	21
36) 1,1-Dichloropropene	7.713	75	10283	5.092	ug/l #	46
38) Carbon Tetrachloride	7.707	117	11205	5.175	ug/l #	16
74) N-amyl acetate	12.048	43	3129	1.865	ug/l #	64
75) 1,1,2,2-Tetrachloroethane	12.560	83	1786	1.587	ug/l #	82
76) 1,2,3-Trichloropropane	12.408	75	48909	33.160	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	48909	133.848	ug/l #	17
85) sec-Butylbenzene	13.176	105	11335	1.656	ug/l	81
89) n-Butylbenzene	13.615	91	5504	1.014	ug/l #	84
90) Hexachloroethane	13.895	117	2313	2.137	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.291	75	424	2.361	ug/l #	1
95) Naphthalene	15.114	128	5299	2.101	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.352	180	2239	1.981	ug/l #	12

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
Data File : VY019937.D
Acq On : 17 Oct 2024 17:11
Operator : SY/MD
Sample : P4419-03
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Oct 18 01:44:49 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

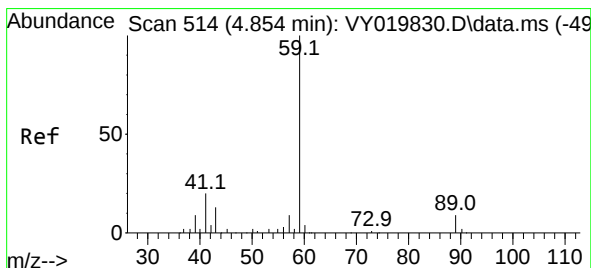
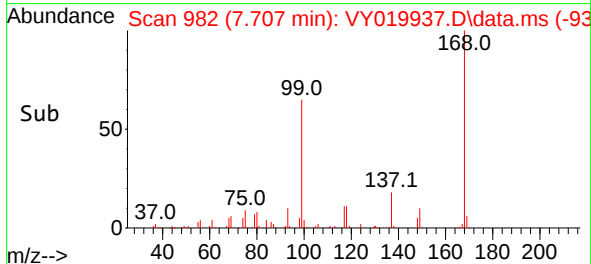
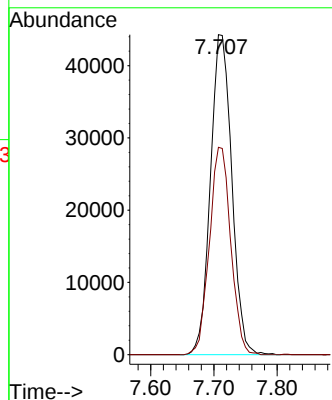
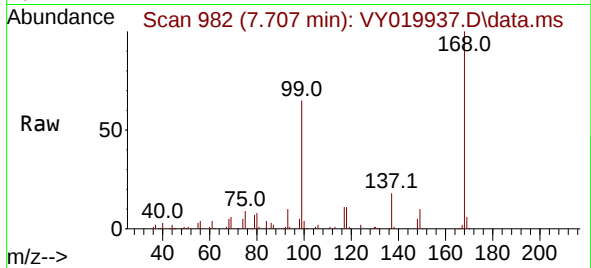




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

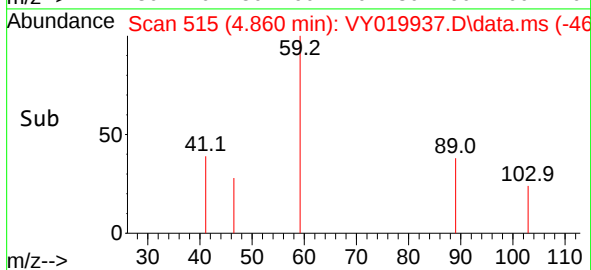
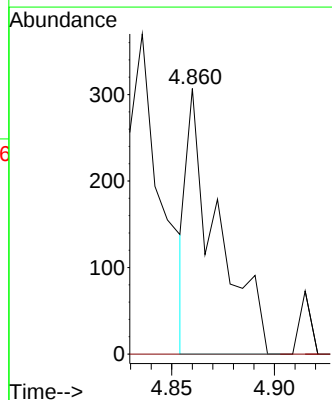
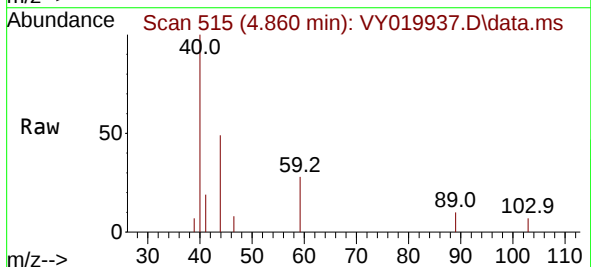
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 103782
Ion Ratio Lower Upper
168 100
99 64.8 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: VY019937.D
Acq: 17 Oct 2024 17:11

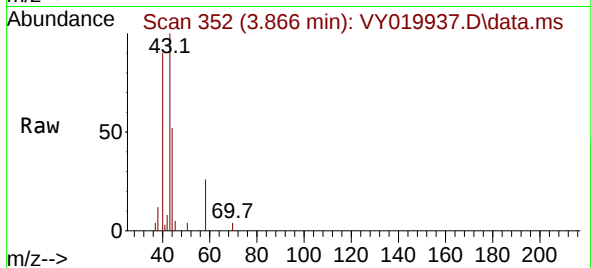
Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



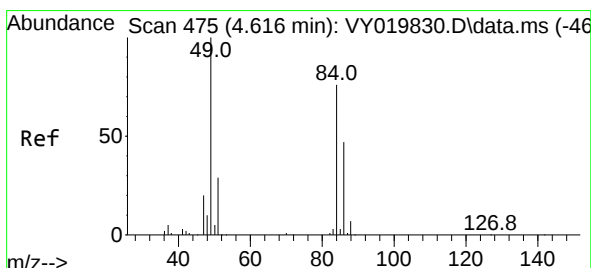
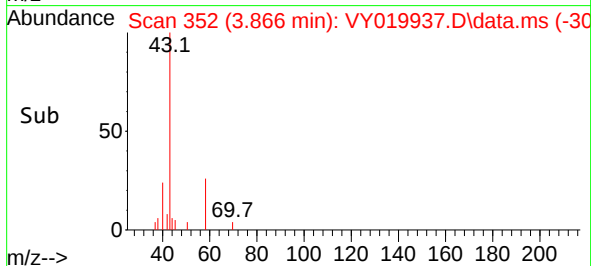
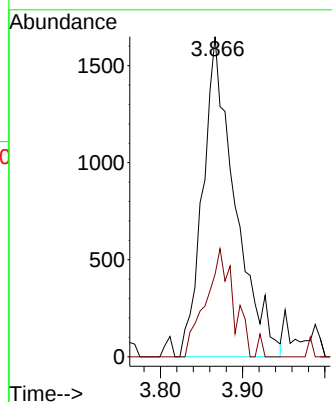


#16
Acetone
Concen: 13.495 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Instrument :
MSVOA_Y
ClientSampleId :

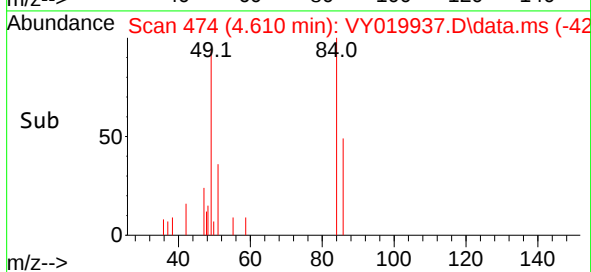
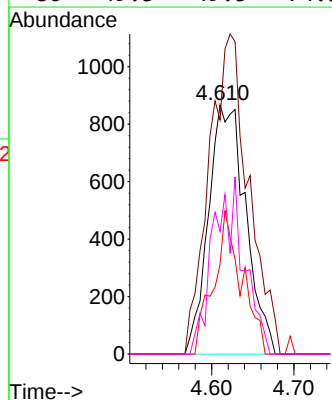
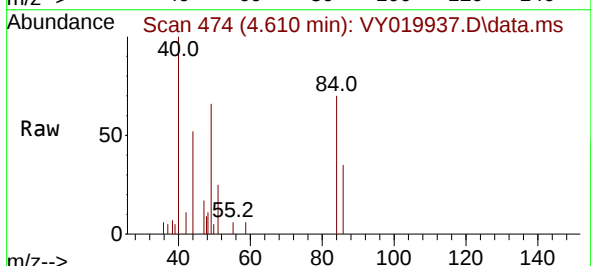


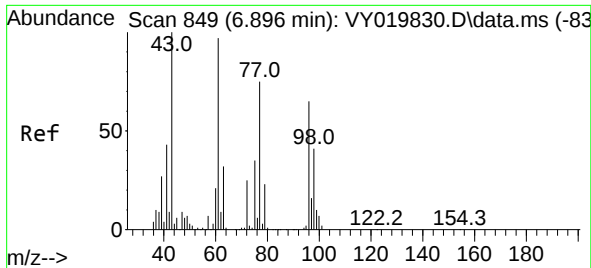
Tgt Ion: 43 Resp: 4489
Ion Ratio Lower Upper
43 100
58 25.8 31.7 47.5#



#20
Methylene Chloride
Concen: 1.436 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Tgt Ion: 84 Resp: 2728
Ion Ratio Lower Upper
84 100
49 94.0 84.4 126.6
51 36.0 26.0 39.0
86 49.3 49.5 74.3#





#25

2-Butanone

Concen: 2.111 ug/l

RT: 6.884 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA_Y

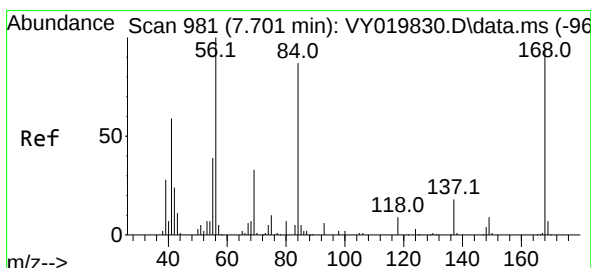
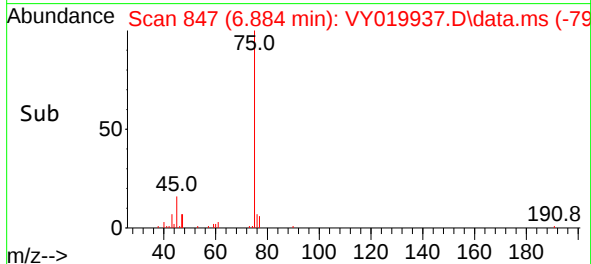
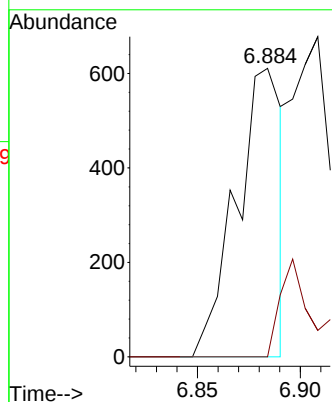
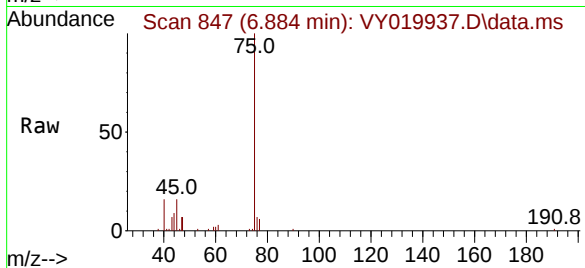
ClientSampleId :

Tgt Ion: 43 Resp: 940

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.605 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

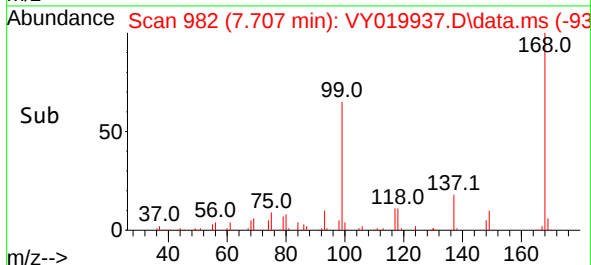
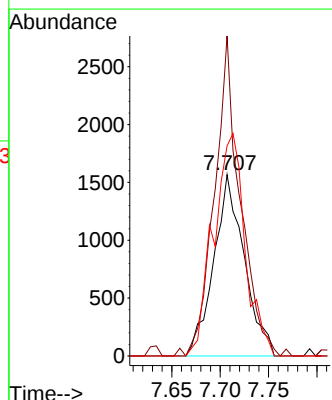
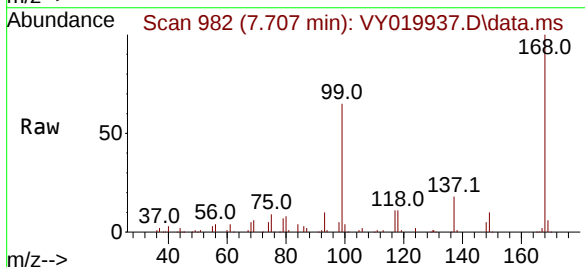
Tgt Ion: 56 Resp: 3428

Ion Ratio Lower Upper

56 100

69 176.5 28.7 43.1#

84 115.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 60.875 ug/l

RT: 8.067 min Scan# 11041

Delta R.T. 0.006 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA_Y

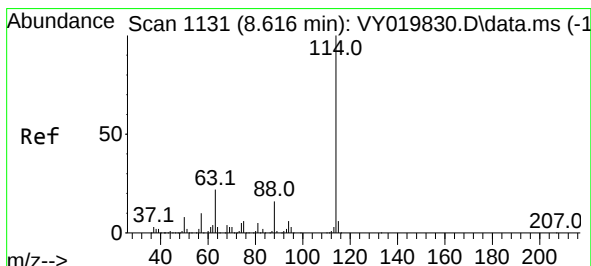
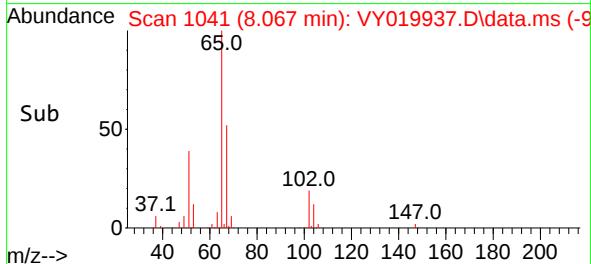
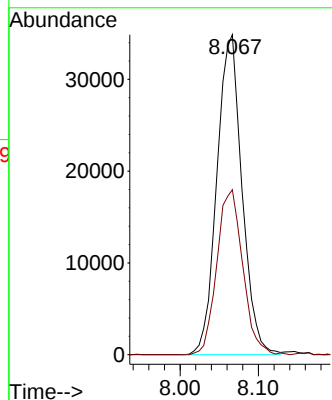
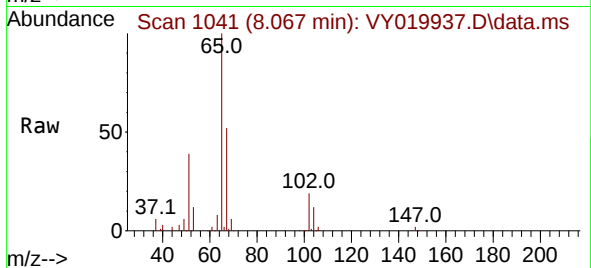
ClientSampleId :

Tgt Ion: 65 Resp: 77790

Ion Ratio Lower Upper

65 100

67 53.1 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: VY019937.D

Acq: 17 Oct 2024 17:11

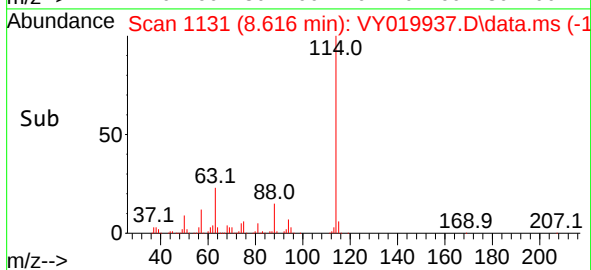
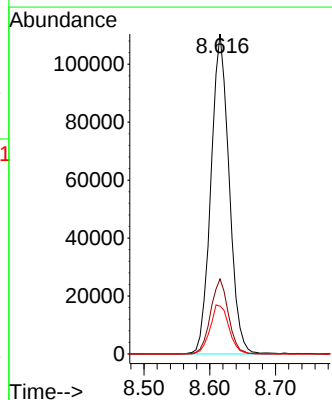
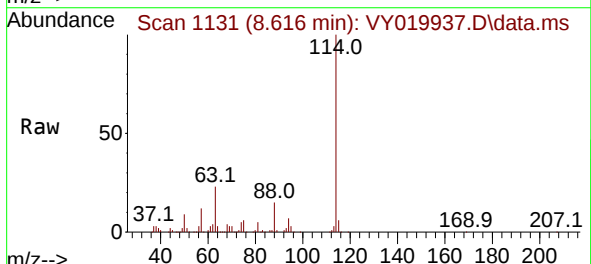
Tgt Ion: 114 Resp: 212433

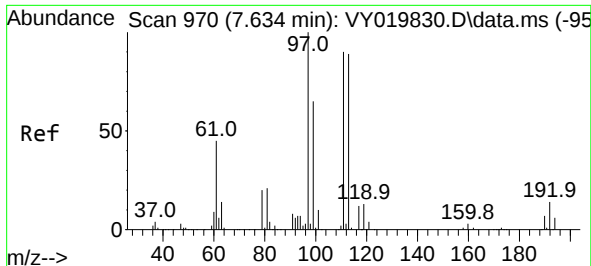
Ion Ratio Lower Upper

114 100

63 23.4 0.0 35.0

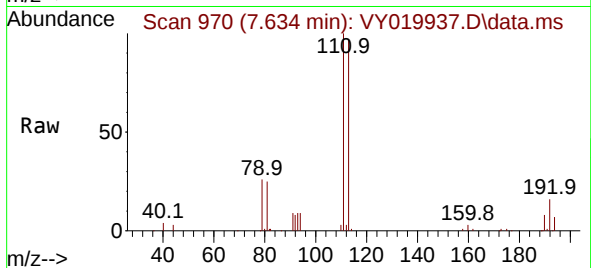
88 14.9 0.0 27.2



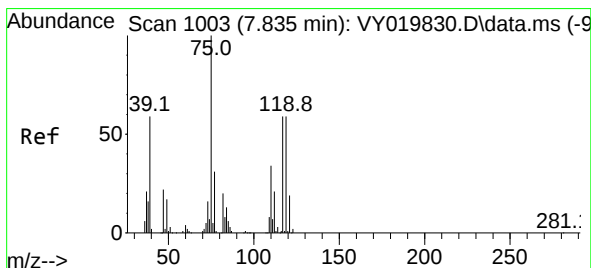
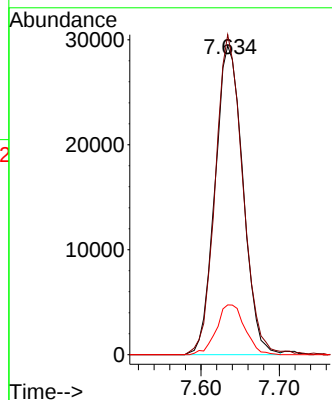
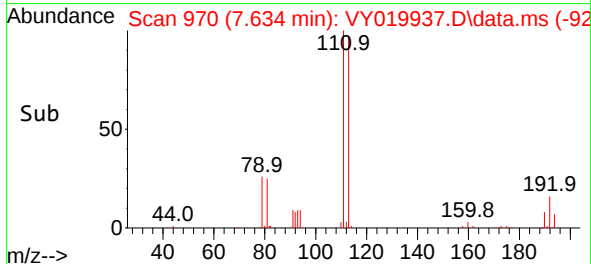


#35
Dibromofluoromethane
Concen: 51.949 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

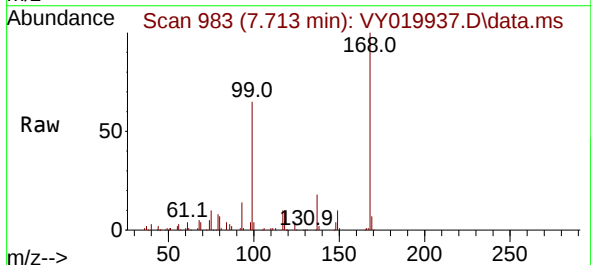
Instrument :
MSVOA_Y
ClientSampleId :



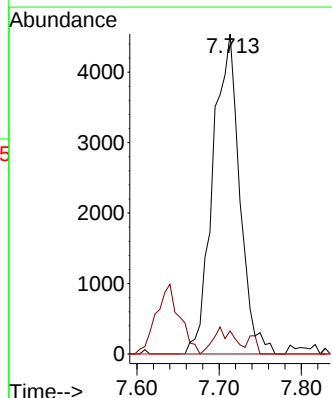
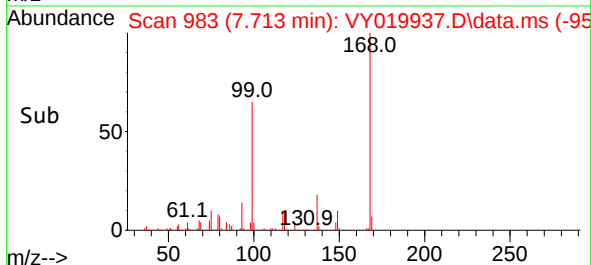
Tgt Ion:113 Resp: 72824
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 16.4 15.9 23.9

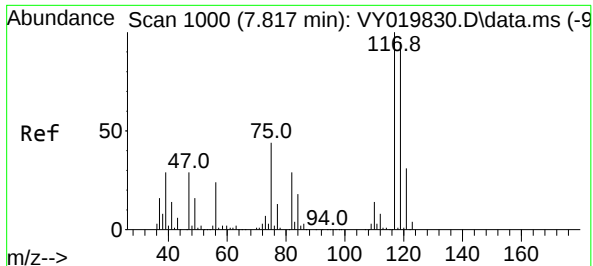


#36
1,1-Dichloropropene
Concen: 5.092 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11



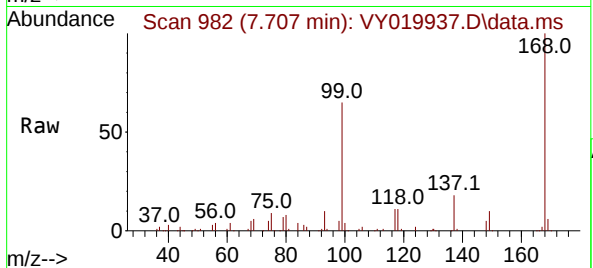
Tgt Ion: 75 Resp: 10283
Ion Ratio Lower Upper
75 100
110 6.5 19.0 57.0#
77 0.0 25.3 37.9#



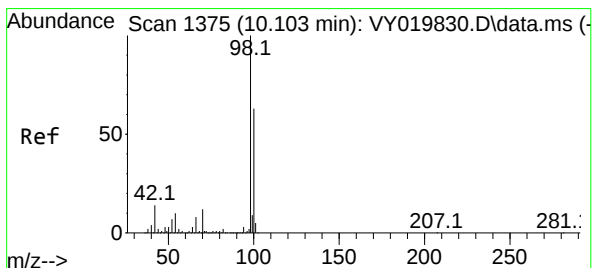
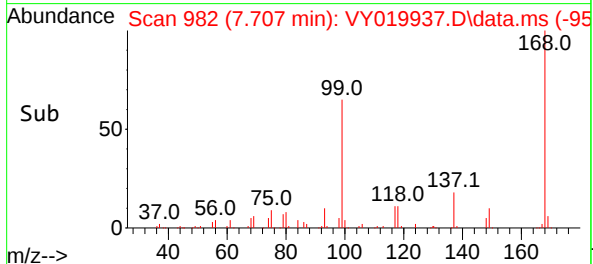
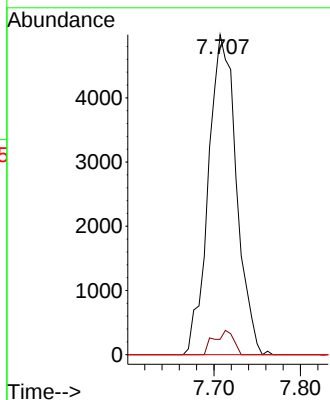


#38
Carbon Tetrachloride
Concen: 5.175 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Instrument :
MSVOA_Y
ClientSampleId :

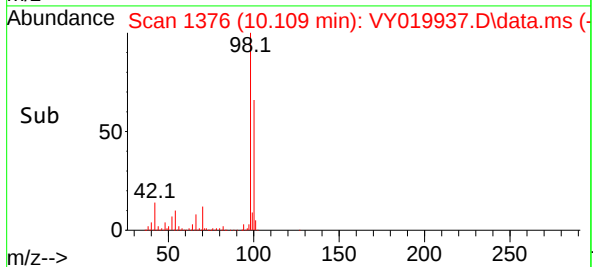
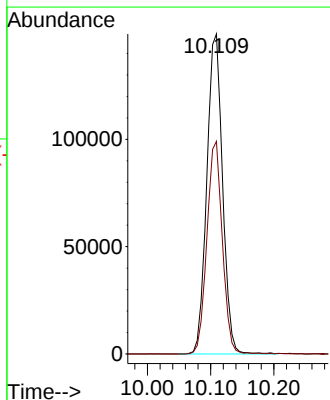
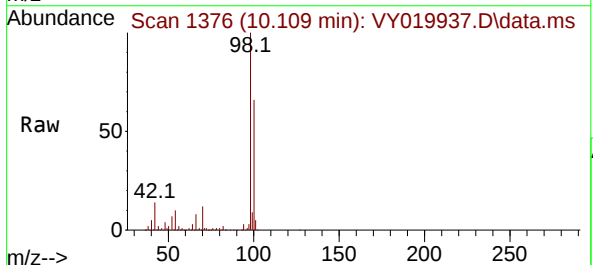


Tgt Ion:117 Resp: 11205
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.804 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Tgt Ion: 98 Resp: 257822
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0

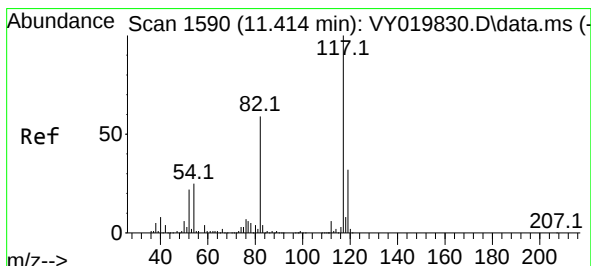
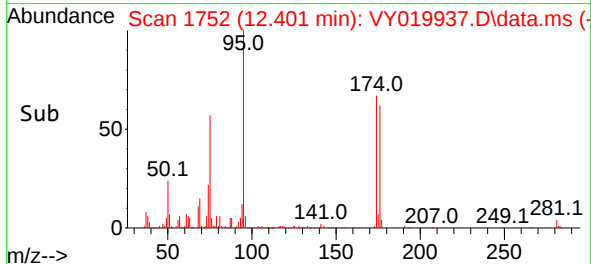
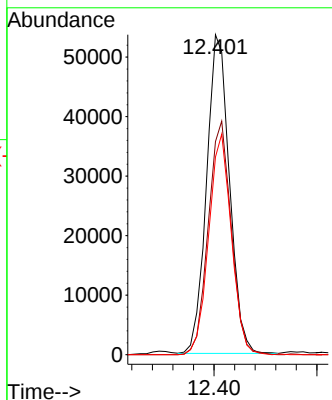
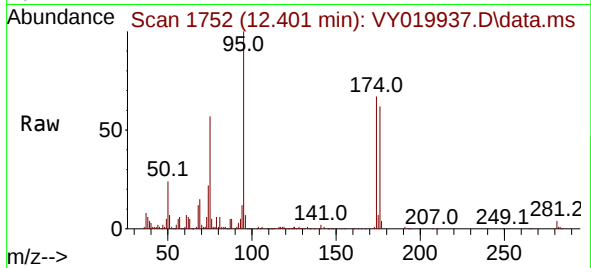




#62
4-Bromofluorobenzene
Concen: 44.258 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

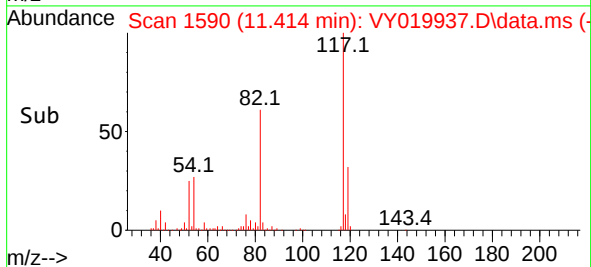
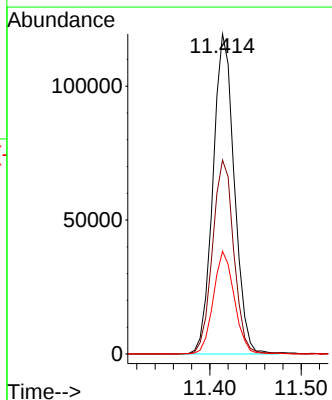
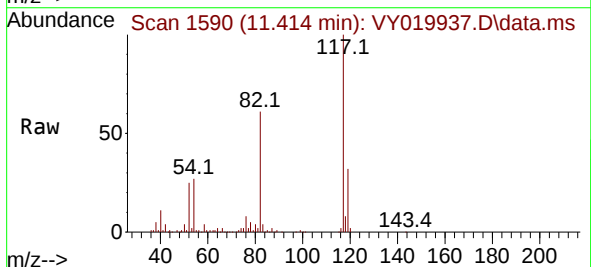
Instrument :
MSVOA_Y
ClientSampleId :

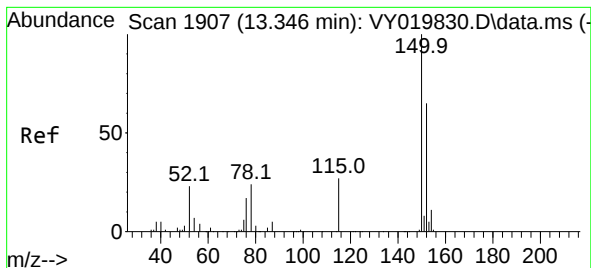
Tgt Ion: 95 Resp: 82786
Ion Ratio Lower Upper
95 100
174 73.5 0.0 175.6
176 68.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Tgt Ion: 117 Resp: 194040
Ion Ratio Lower Upper
117 100
82 60.6 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

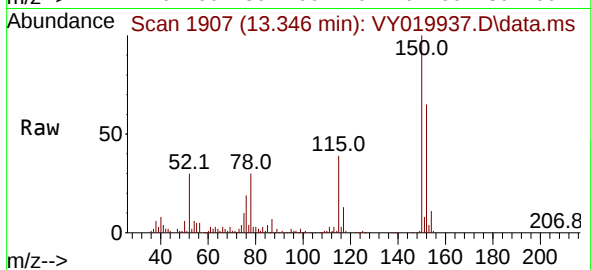
Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :



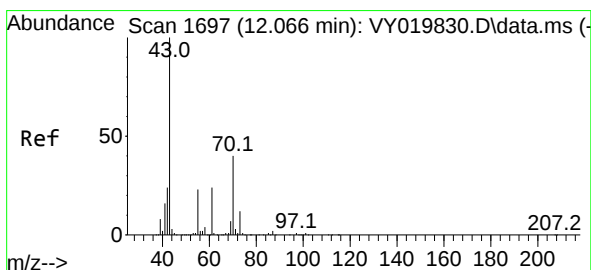
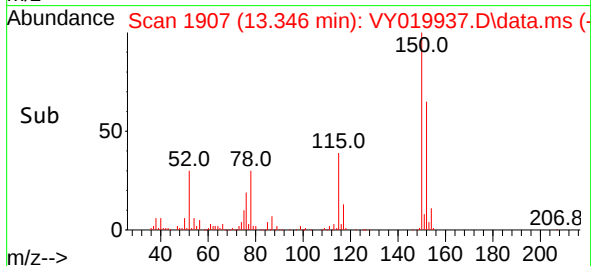
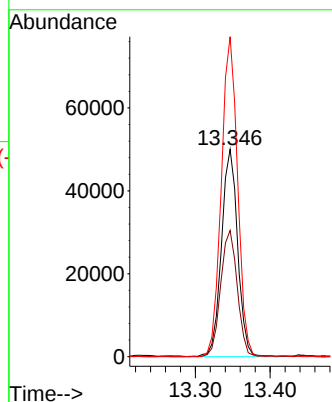
Tgt Ion:152 Resp: 75290

Ion Ratio Lower Upper

152 100

115 62.4 28.2 84.7

150 154.6 0.0 345.6



#74

N-ethyl acetate

Concen: 1.865 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.024 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Tgt Ion: 43 Resp: 3129

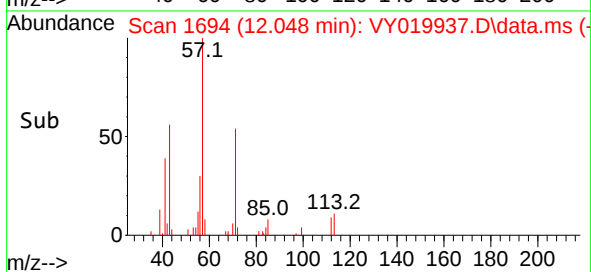
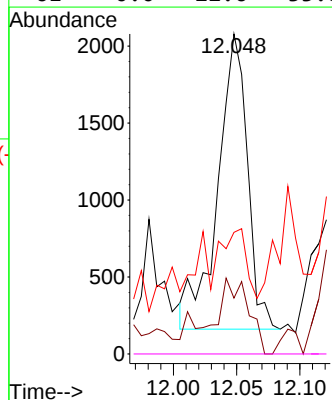
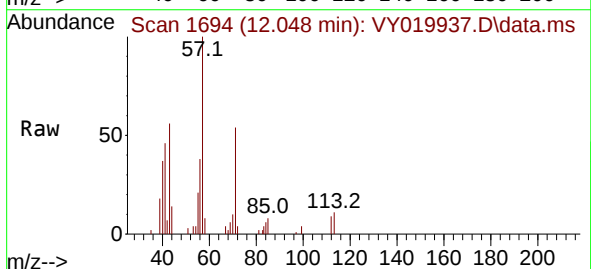
Ion Ratio Lower Upper

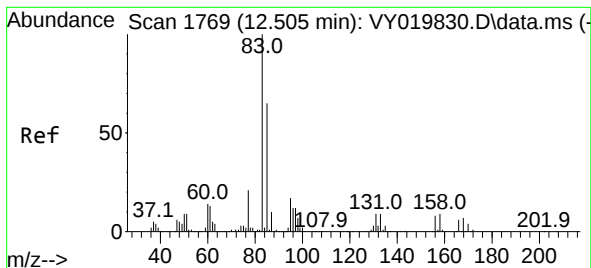
43 100

70 25.5 41.4 62.2#

55 19.9 23.3 34.9#

61 0.0 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.587 ug/l

RT: 12.560 min Scan# 11

Delta R.T. 0.049 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :

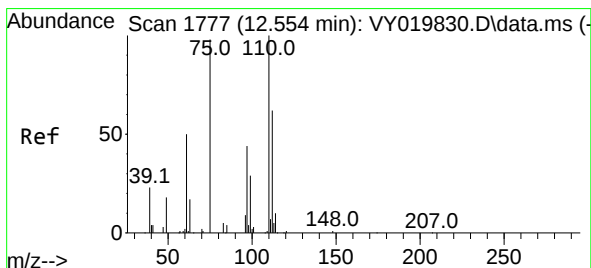
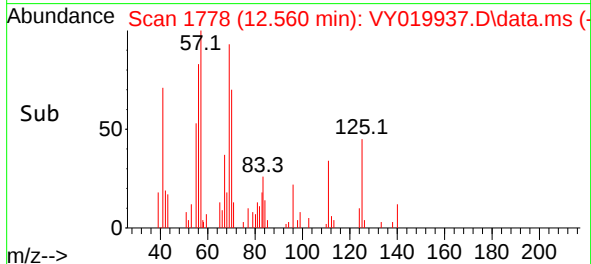
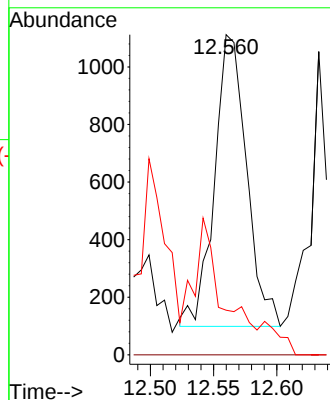
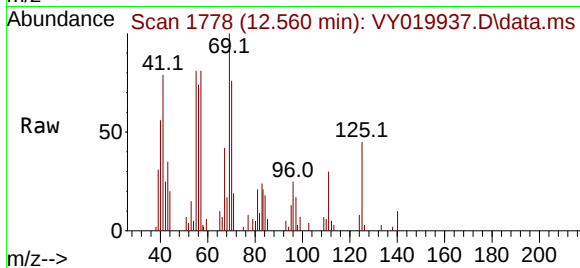
Tgt Ion: 83 Resp: 1786

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 50.7 32.0 96.0



#76

1,2,3-Trichloropropane

Concen: 33.160 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019937.D

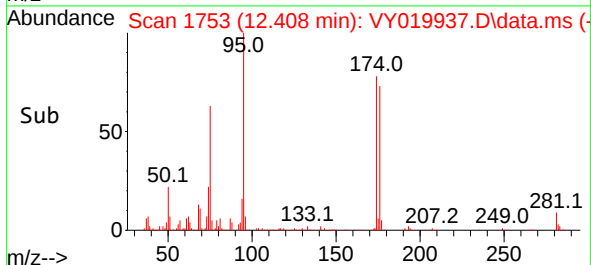
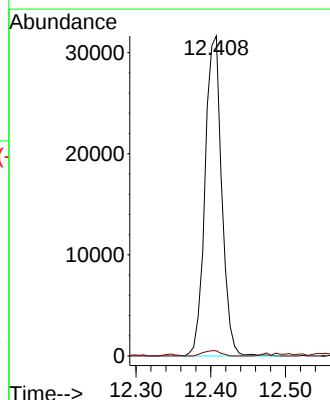
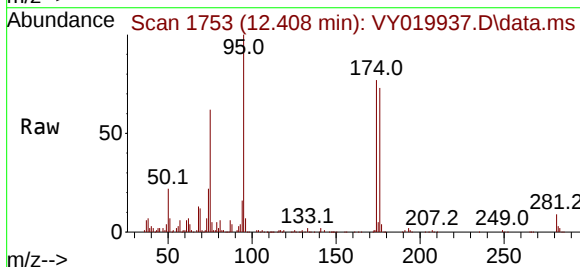
Acq: 17 Oct 2024 17:11

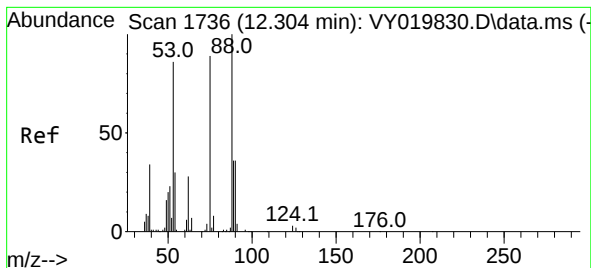
Tgt Ion: 75 Resp: 48909

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

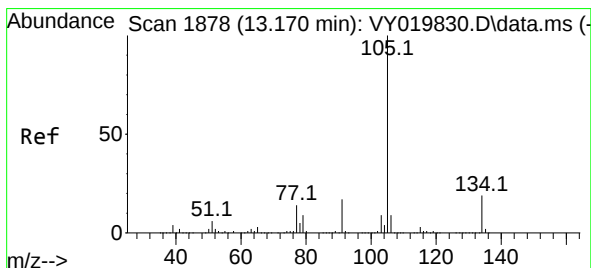
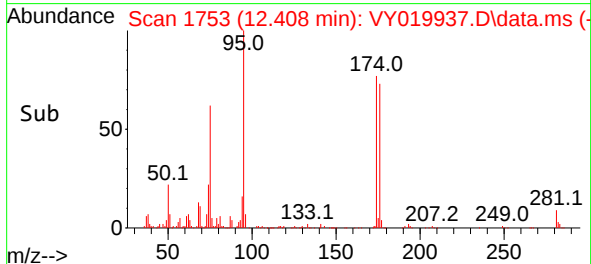
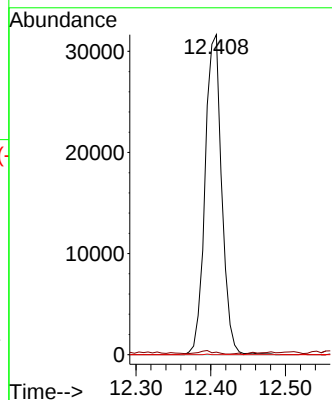
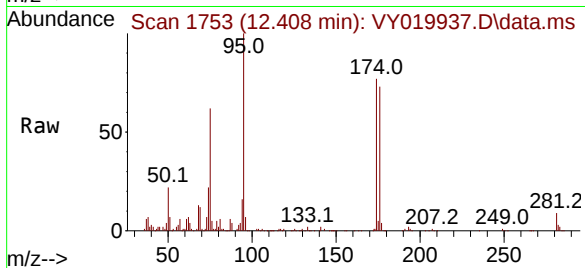




#81
trans-1,4-Dichloro-2-butene
Concen: 133.848 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

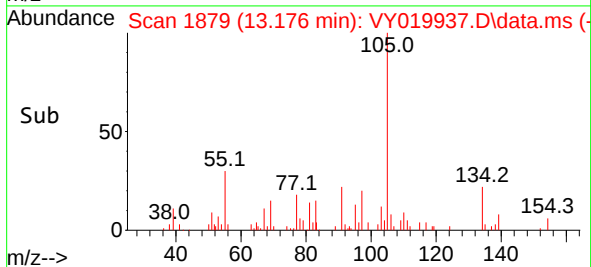
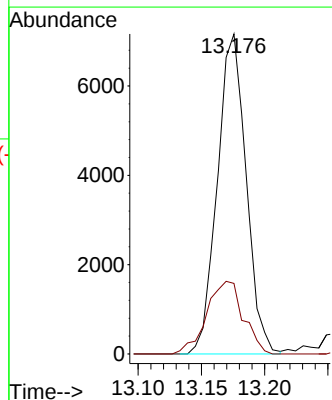
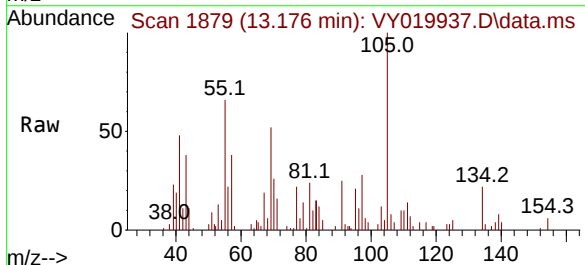
Instrument :
MSVOA_Y
ClientSampleId :

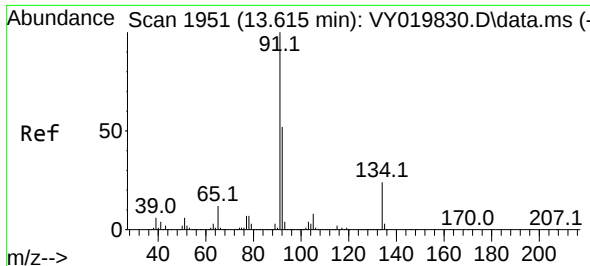
Tgt Ion: 75 Resp: 48909
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.0 35.8 53.6#



#85
sec-Butylbenzene
Concen: 1.656 ug/l
RT: 13.176 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Tgt Ion:105 Resp: 11335
Ion Ratio Lower Upper
105 100
134 28.8 10.1 30.1

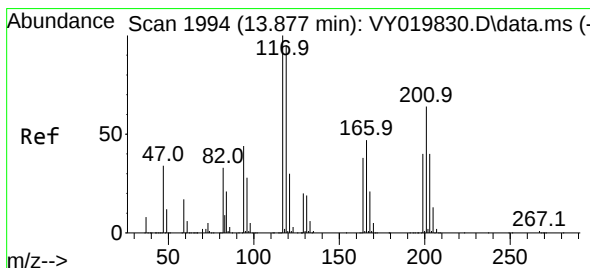
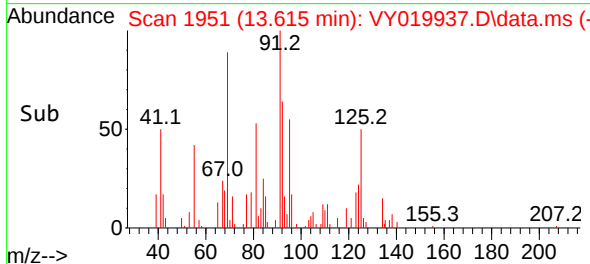
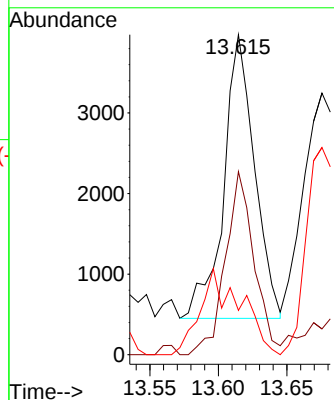
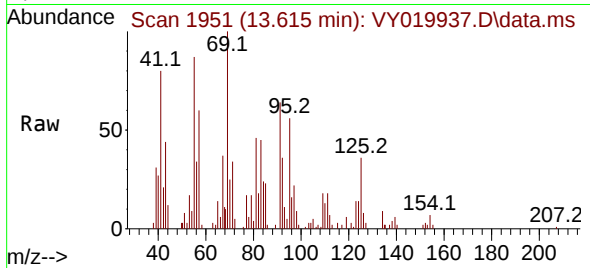




#89
n-Butylbenzene
Concen: 1.014 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

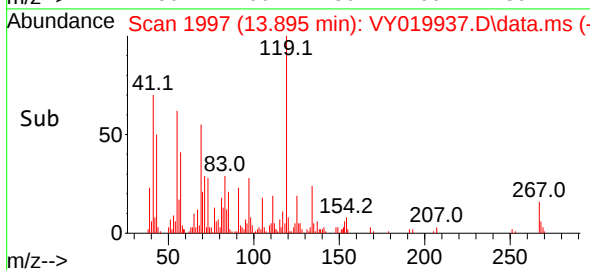
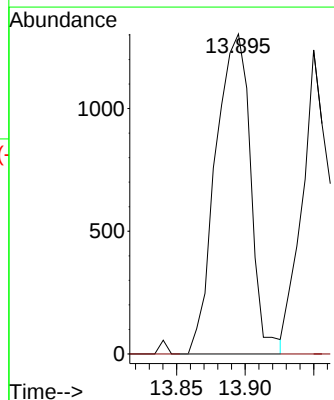
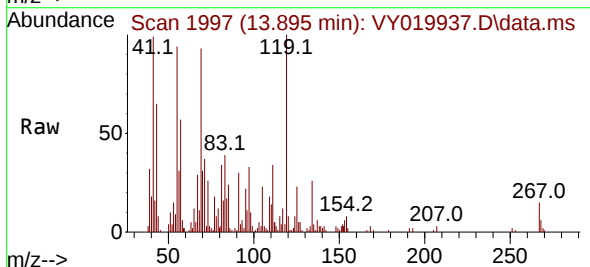
Instrument :
MSVOA_Y
ClientSampleId :

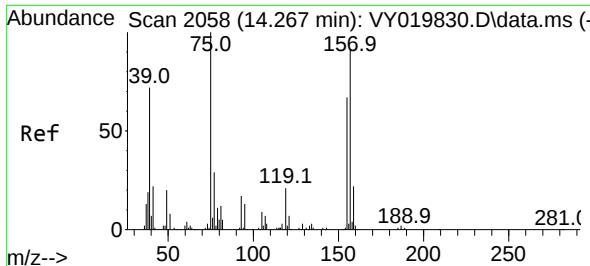
Tgt Ion: 91 Resp: 5504
Ion Ratio Lower Upper
91 100
92 60.4 26.6 79.7
134 39.7 12.9 38.7#



#90
Hexachloroethane
Concen: 2.137 ug/l
RT: 13.895 min Scan# 1997
Delta R.T. 0.012 min
Lab File: VY019937.D
Acq: 17 Oct 2024 17:11

Tgt Ion: 117 Resp: 2313
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.361 ug/l

RT: 14.291 min Scan# 2058

Delta R.T. 0.019 min

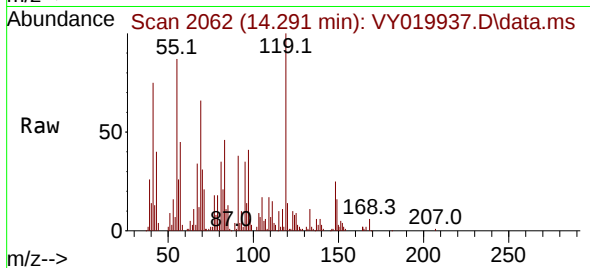
Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

Instrument :

MSVOA_Y

ClientSampleId :



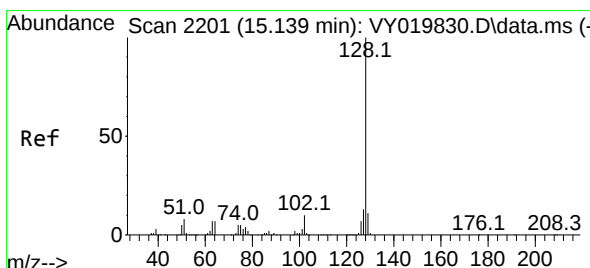
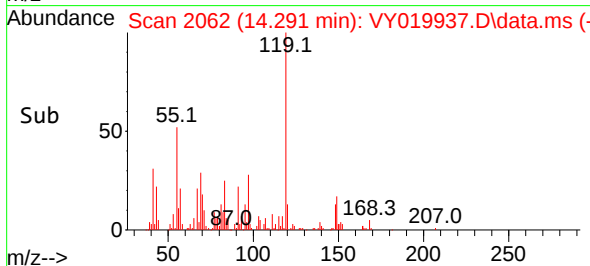
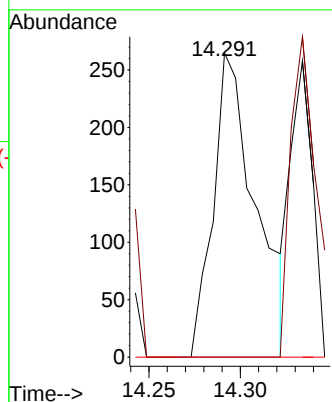
Tgt Ion: 75 Resp: 424

Ion Ratio Lower Upper

75 100

155 0.0 48.6 145.8#

157 0.0 62.7 188.2#



#95

Naphthalene

Concen: 2.101 ug/l

RT: 15.114 min Scan# 2197

Delta R.T. -0.030 min

Lab File: VY019937.D

Acq: 17 Oct 2024 17:11

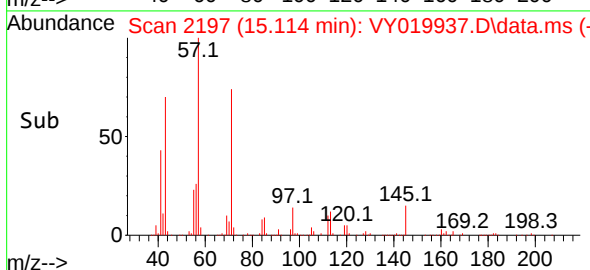
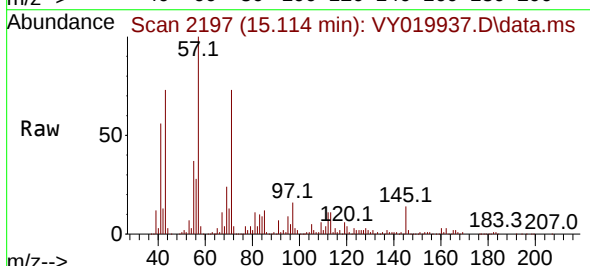
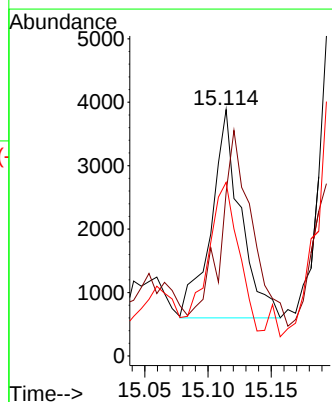
Tgt Ion: 128 Resp: 5299

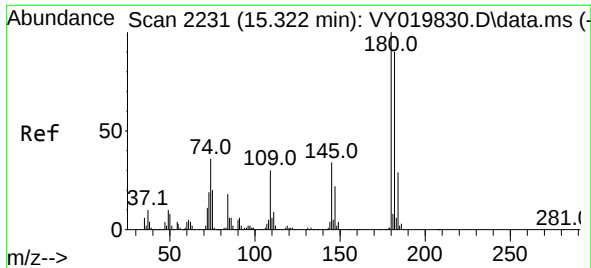
Ion Ratio Lower Upper

128 100

127 101.2 10.6 16.0#

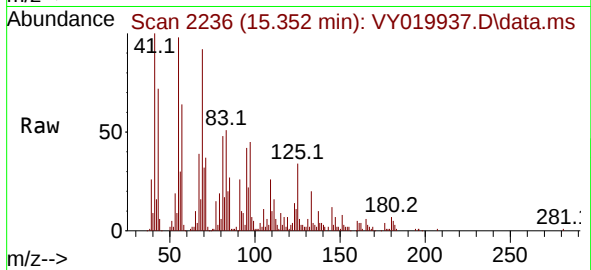
129 72.3 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.981 ug/l
 RT: 15.352 min Scan# 21
 Delta R.T. 0.025 min
 Lab File: VY019937.D
 Acq: 17 Oct 2024 17:11

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 2239
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.9#
 145 0.0 15.4 46.1#

