

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101724\
 Data File : VY019933.D
 Acq On : 17 Oct 2024 15:38
 Operator : SY/MD
 Sample : P4417-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 18 01:42:57 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)

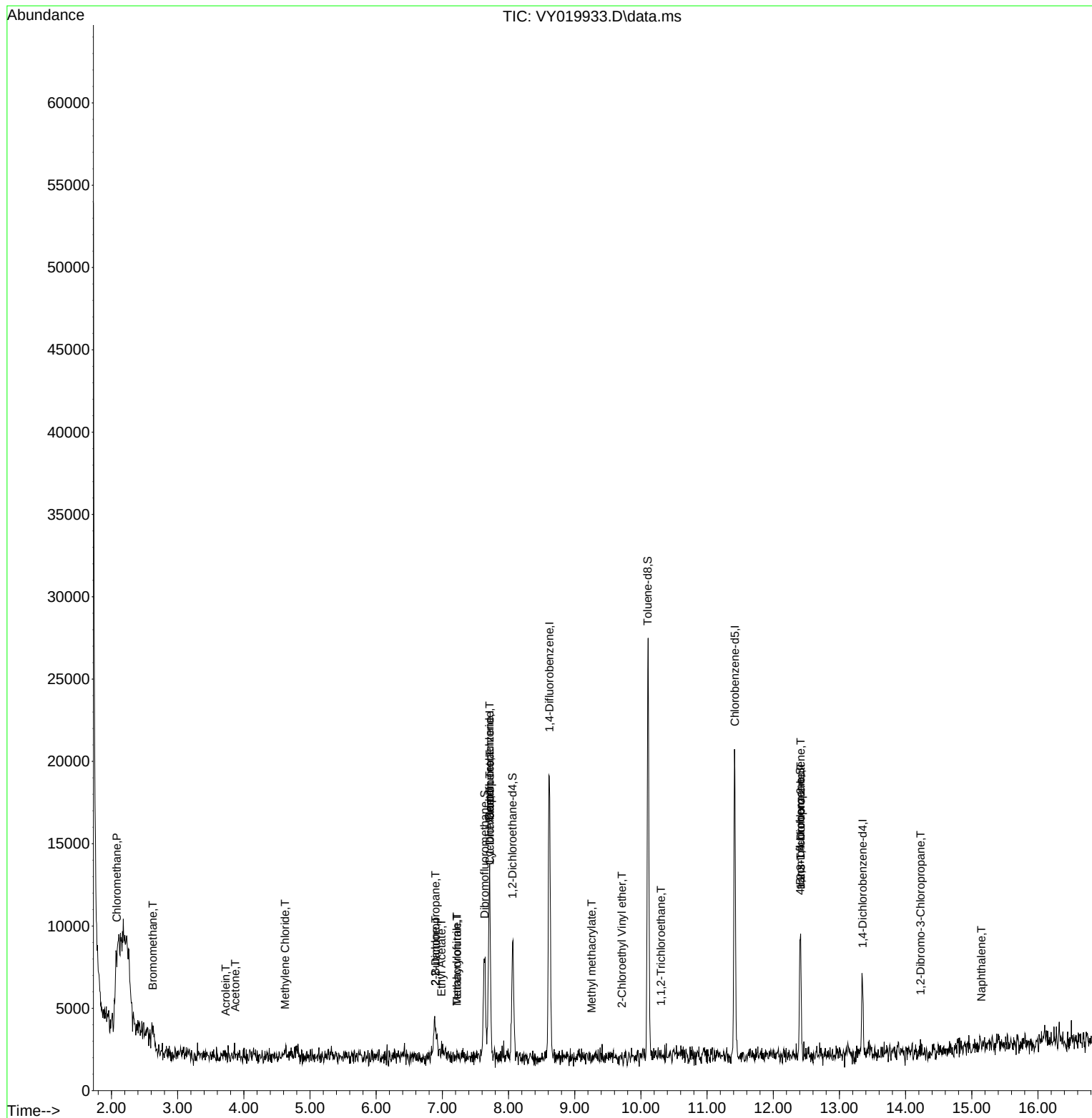
Internal Standards						
1) Pentafluorobenzene	7.713	168	7479	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	14689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	9279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	1134	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5113	55.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.040%
35) Dibromofluoromethane	7.640	113	4573	47.178	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.360%
50) Toluene-d8	10.103	98	15786	44.101	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.200%
62) 4-Bromofluorobenzene	12.408	95	2277	17.605	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	35.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.080	50	223	2.461	ug/l #	43
5) Bromomethane	2.623	94	337	5.339	ug/l #	63
11) Tert butyl alcohol	4.842	59	81	Below Cal	#	1
13) Acrolein	3.726	56	23	3.399	ug/l #	15
16) Acetone	3.873	43	255	10.637	ug/l #	36
20) Methylene Chloride	4.623	84	359	3.300	ug/l #	12
25) 2-Butanone	6.896	43	183	5.703	ug/l #	41
26) 2,2-Dichloropropane	6.896	77	176	1.127	ug/l #	51
29) Tetrahydrofuran	7.220	42	61	3.329	ug/l #	26
31) Cyclohexane	7.720	56	167	1.085	ug/l #	71
36) 1,1-Dichloropropene	7.720	75	703	5.034	ug/l #	40
37) Ethyl Acetate	6.988	43	118	1.620	ug/l #	67
38) Carbon Tetrachloride	7.713	117	912	6.092	ug/l #	13
41) Methacrylonitrile	7.220	41	74	1.878	ug/l #	46
48) Methyl methacrylate	9.256	41	260	3.980	ug/l #	27
55) 1,1,2-Trichloroethane	10.304	97	104	1.366	ug/l #	16
58) 2-Chloroethyl Vinyl ether	9.713	63	56	1.101	ug/l #	45
76) 1,2,3-Trichloropropane	12.414	75	1234	55.548	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	1234	224.213	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.224	75	23	8.503	ug/l #	1
95) Naphthalene	15.145	128	56	1.474	ug/l #	69

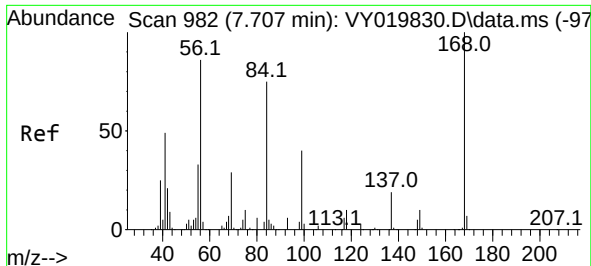
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 05:44:48 2024
Response via : Initial Calibration

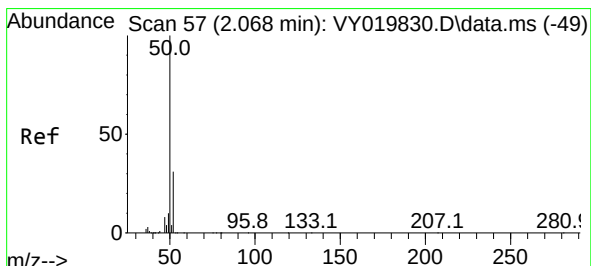
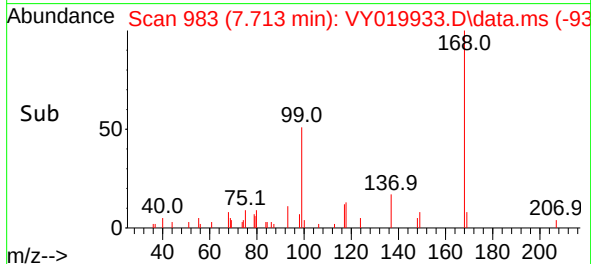
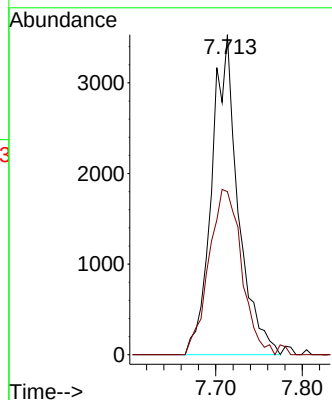
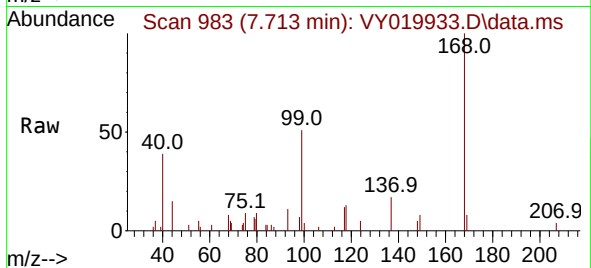




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

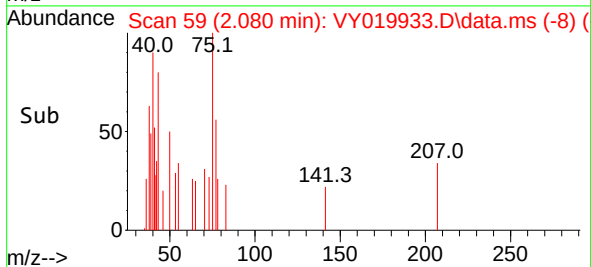
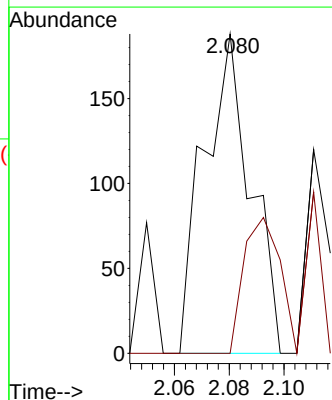
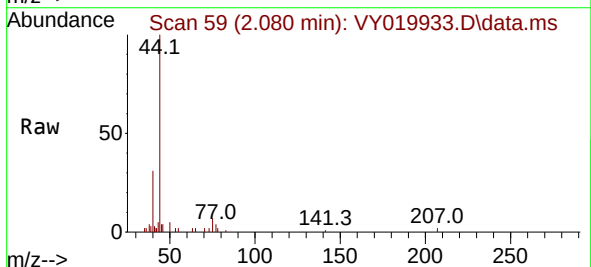
Instrument :
MSVOA_Y
ClientSampleId :

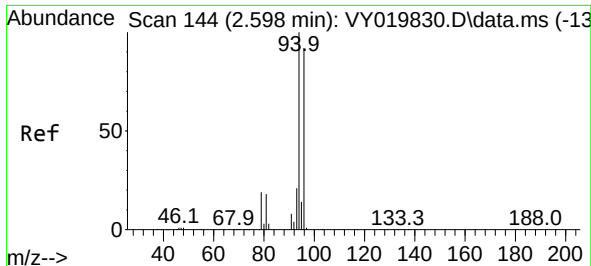
Tgt Ion:168 Resp: 7479
Ion Ratio Lower Upper
168 100
99 51.0 39.1 58.7



#3
Chloromethane
Concen: 2.461 ug/l
RT: 2.080 min Scan# 59
Delta R.T. 0.013 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Tgt Ion: 50 Resp: 223
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

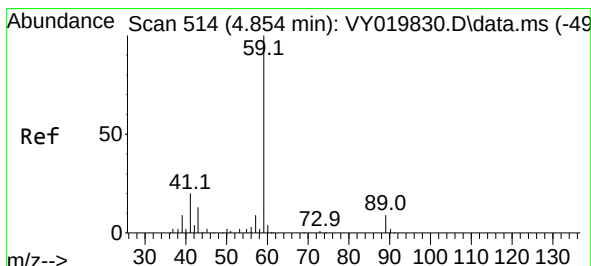
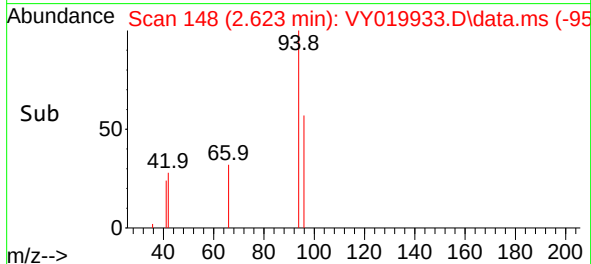
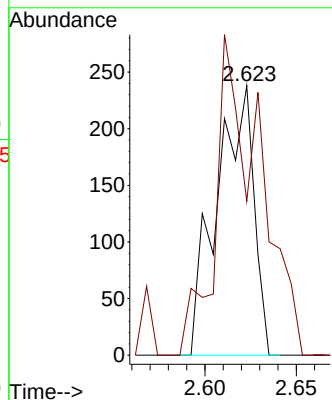
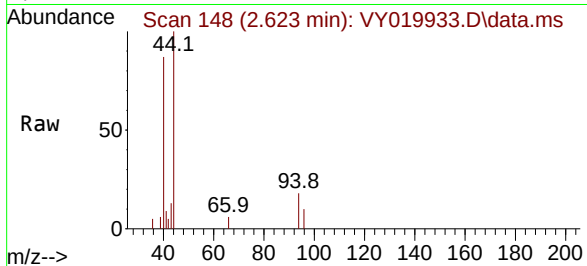




#5
Bromomethane
Concen: 5.339 ug/l
RT: 2.623 min Scan# 14
Delta R.T. 0.025 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

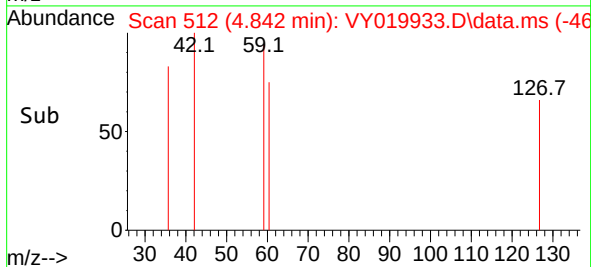
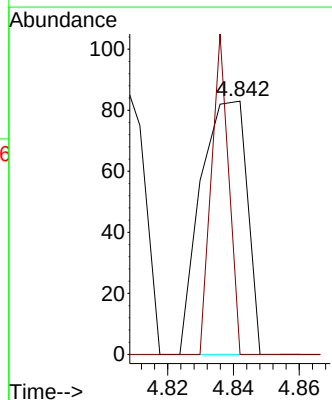
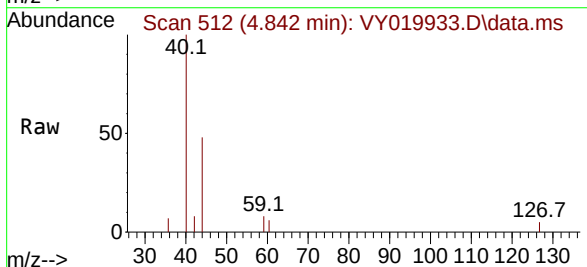
Instrument :
MSVOA_Y
ClientSampleId :

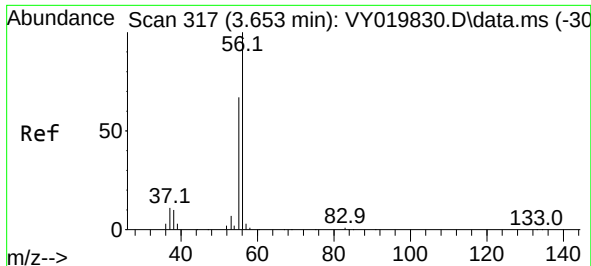
Tgt Ion: 94 Resp: 337
Ion Ratio Lower Upper
94 100
96 57.1 74.1 111.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

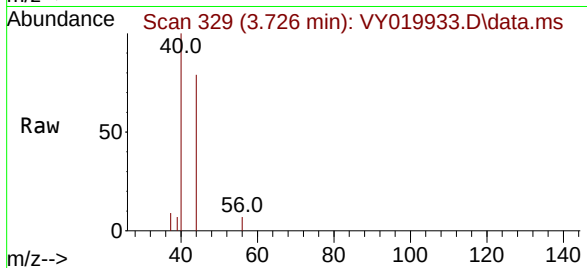
Tgt Ion: 59 Resp: 81
Ion Ratio Lower Upper
59 100
57 46.9 3.0 4.6#



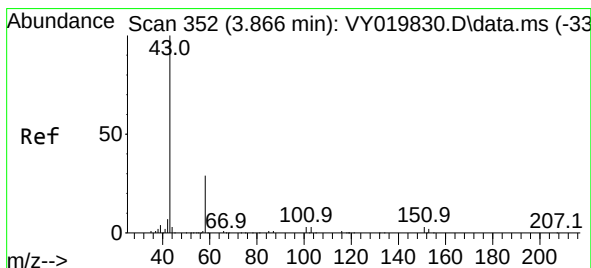
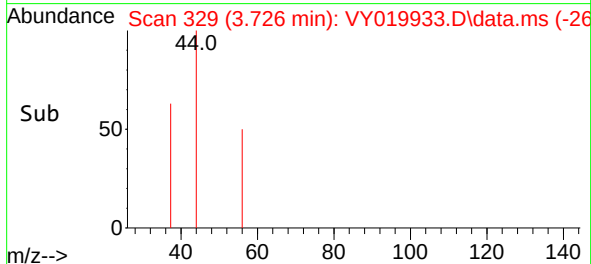
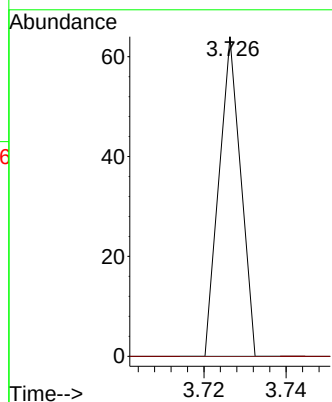


#13
Acrolein
Concen: 3.399 ug/l
RT: 3.726 min Scan# 317
Delta R.T. 0.073 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

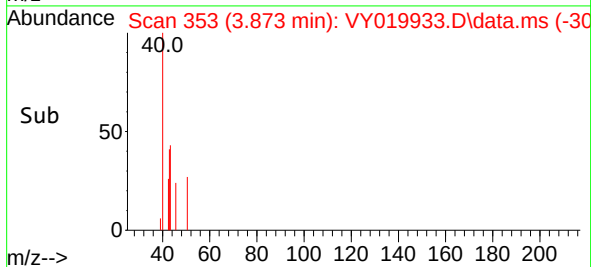
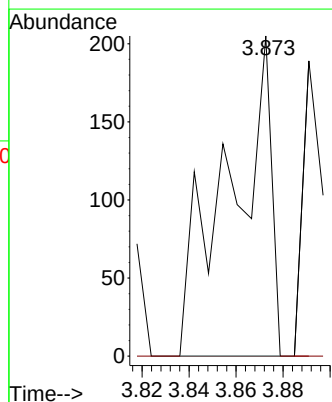
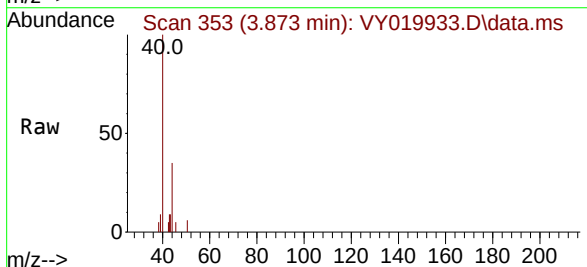


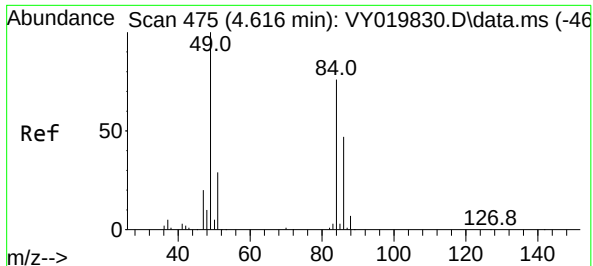
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 10.637 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

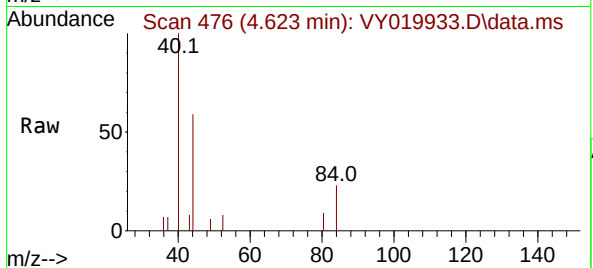
Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



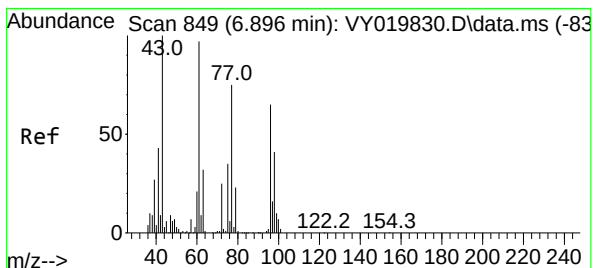
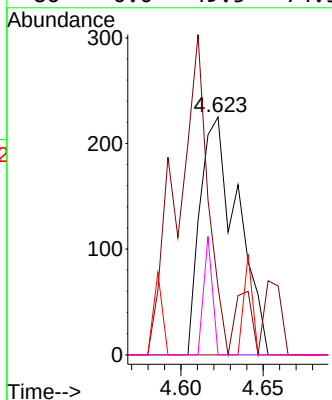
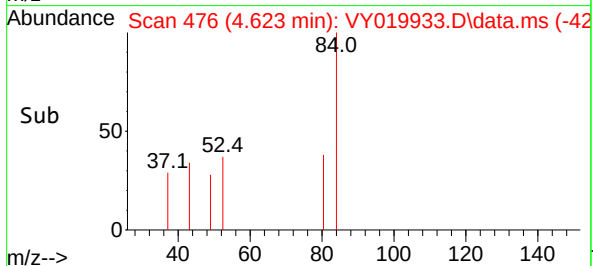


#20
Methylene Chloride
Concen: 3.300 ug/l
RT: 4.623 min Scan# 41
Delta R.T. 0.007 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

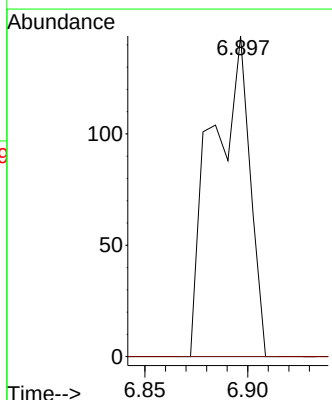
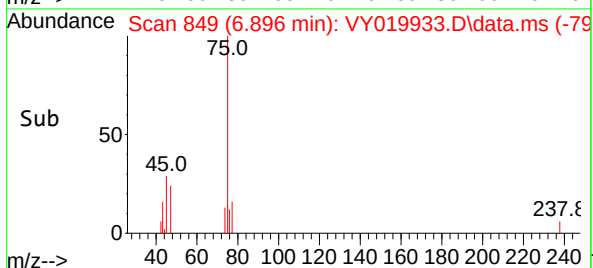
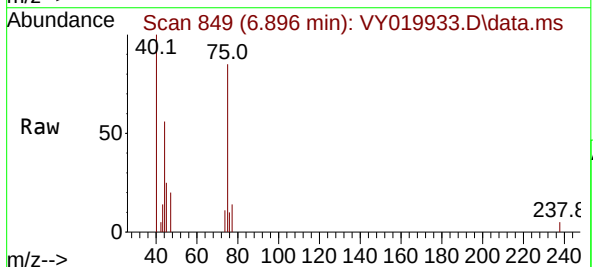


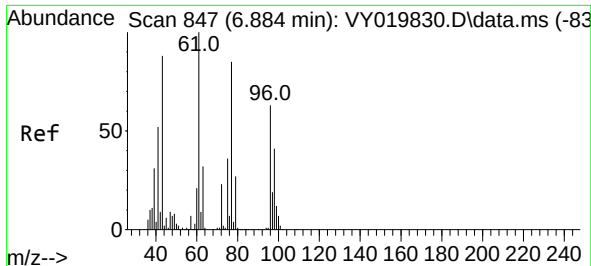
Tgt Ion:	84	Resp:	359
Ion	Ratio	Lower	Upper
84	100		
49	0.0	84.4	126.6#
51	0.0	26.0	39.0#
86	0.0	49.5	74.3#



#25
2-Butanone
Concen: 5.703 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.007 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Tgt Ion:	43	Resp:	183
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

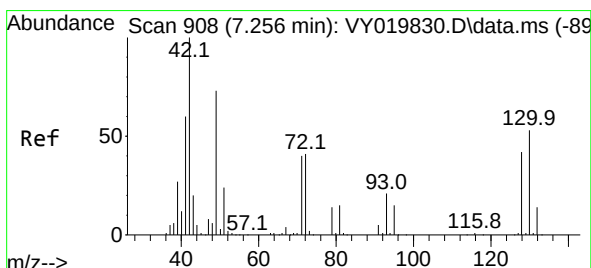
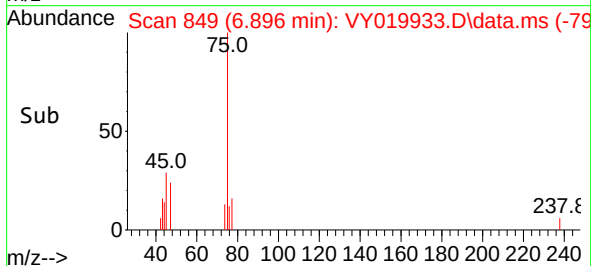
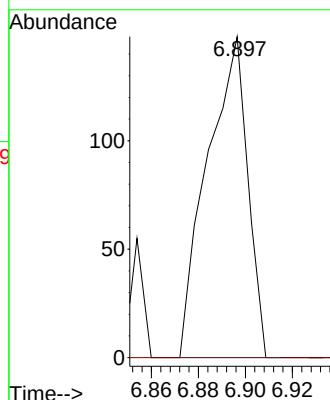
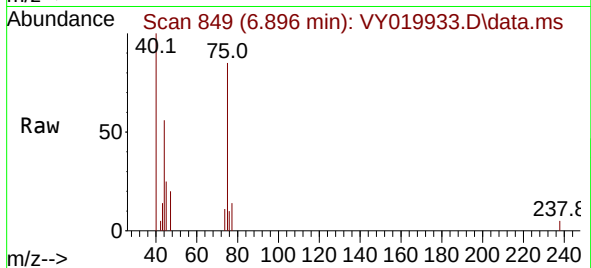




#26
2,2-Dichloropropane
Concen: 1.127 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.013 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

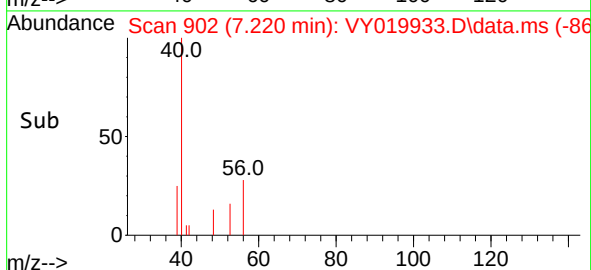
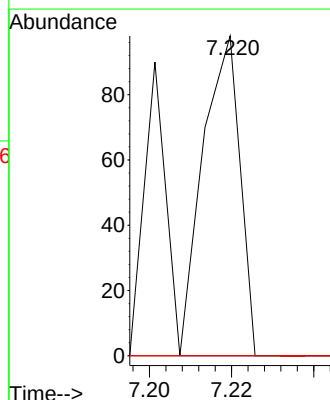
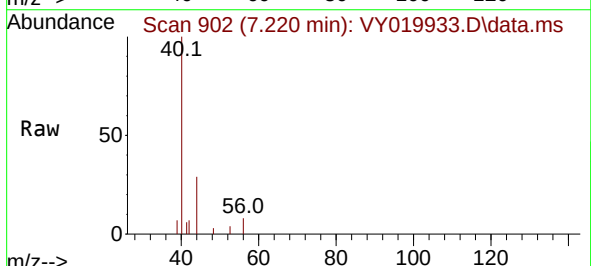
Instrument :
MSVOA_Y
ClientSampleId :

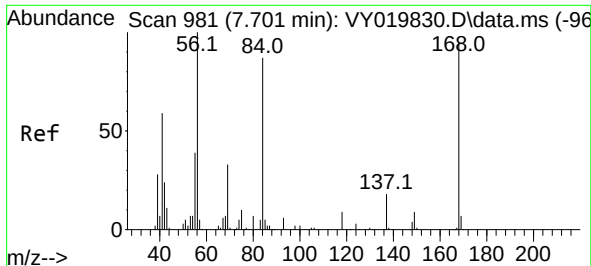
Tgt Ion: 77 Resp: 176
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



#29
Tetrahydrofuran
Concen: 3.329 ug/l
RT: 7.220 min Scan# 902
Delta R.T. -0.042 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

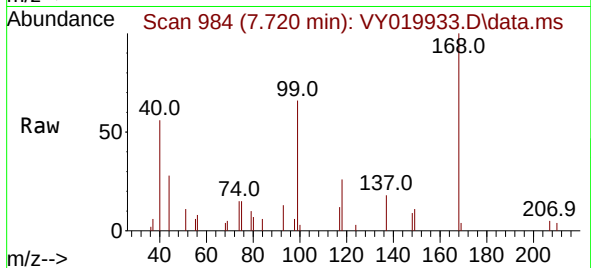
Tgt Ion: 42 Resp: 61
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 0.0 40.8 61.2#



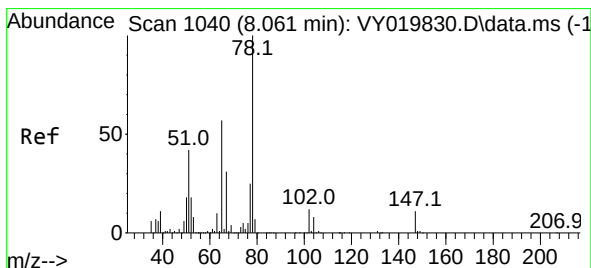
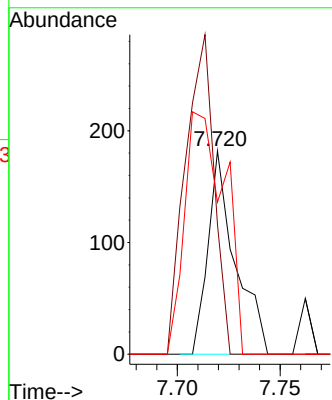
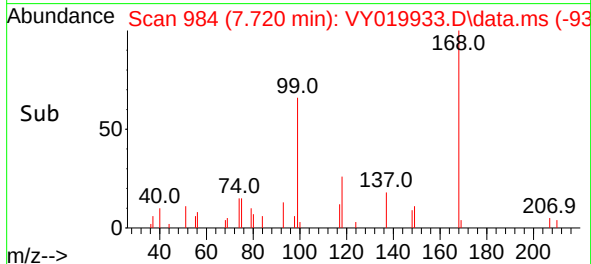


#31
Cyclohexane
Concen: 1.085 ug/l
RT: 7.720 min Scan# 981
Delta R.T. 0.019 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

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MSVOA_Y
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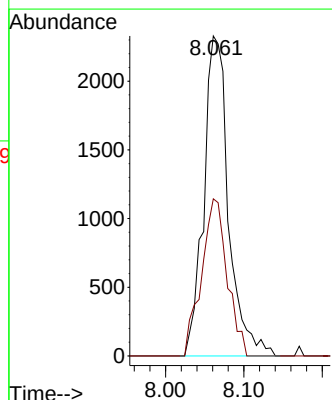
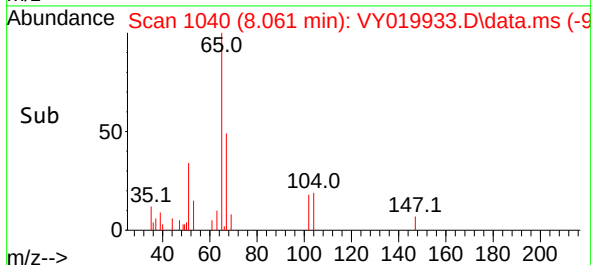
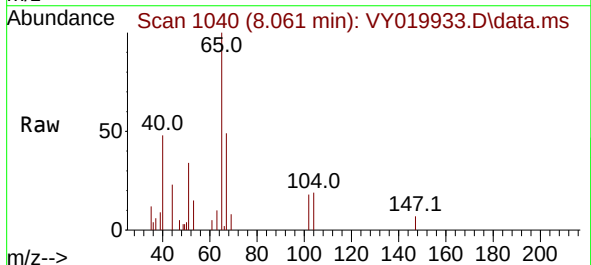


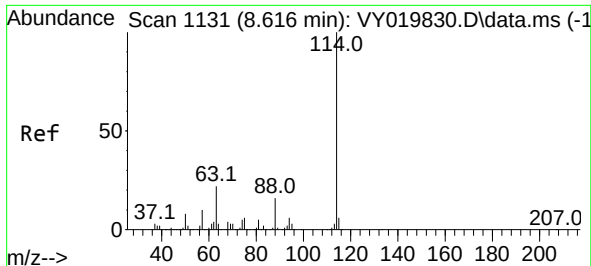
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
69 63.7 28.7 43.1#
84 74.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 55.523 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Tgt Ion: 65 Resp: 5113
Ion Ratio Lower Upper
65 100
67 50.8 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: VY019933.D

Acq: 17 Oct 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

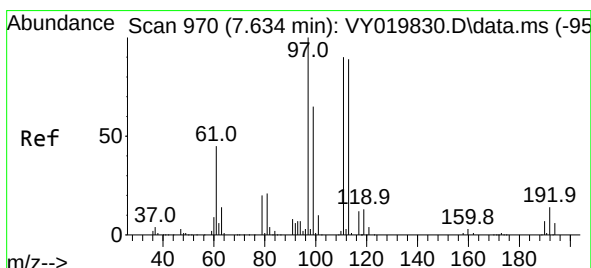
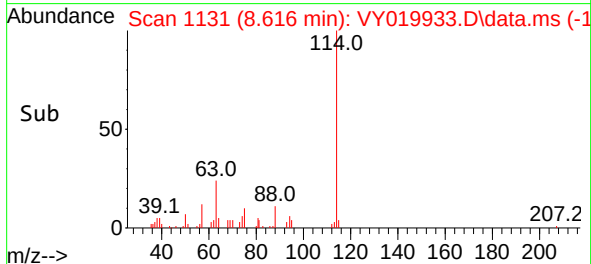
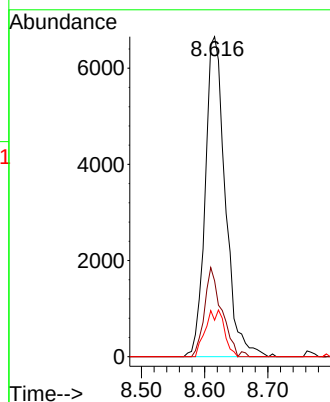
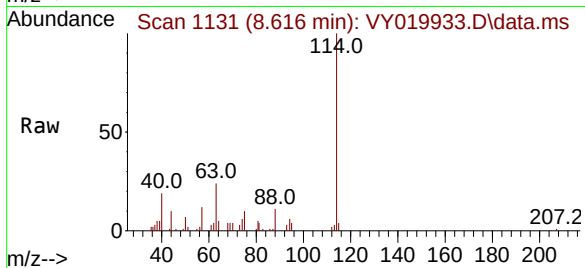
Tgt Ion:114 Resp: 14689

Ion Ratio Lower Upper

114 100

63 23.7 0.0 35.0

88 11.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.178 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.007 min

Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

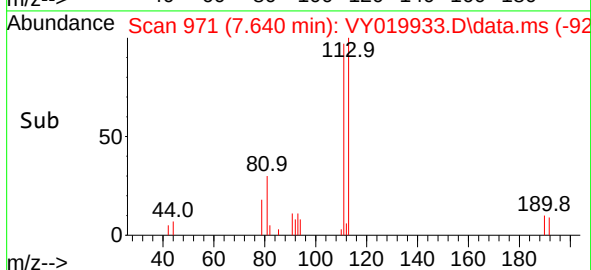
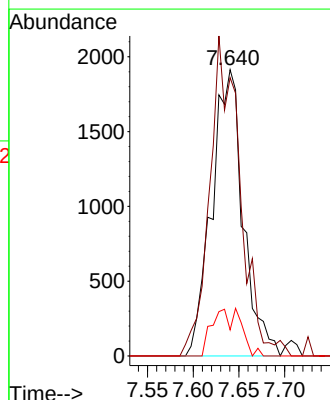
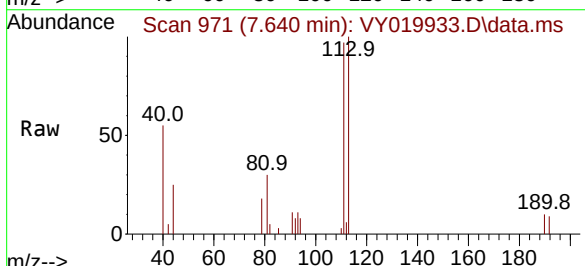
Tgt Ion:113 Resp: 4573

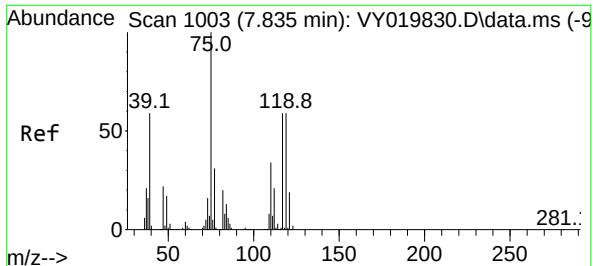
Ion Ratio Lower Upper

113 100

111 108.2 82.2 123.4

192 15.1 15.9 23.9#





#36

1,1-Dichloropropene

Concen: 5.034 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.115 min

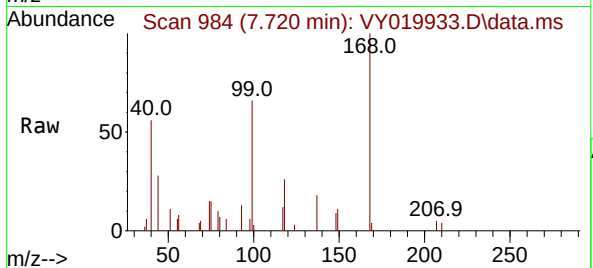
Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :



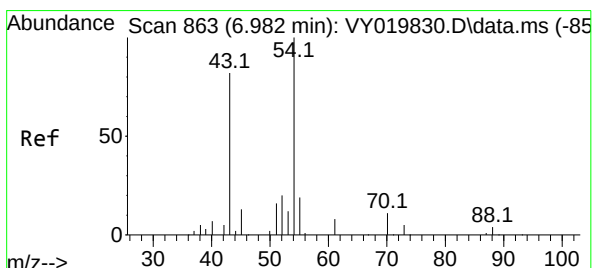
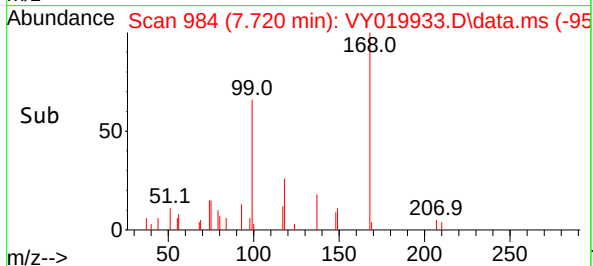
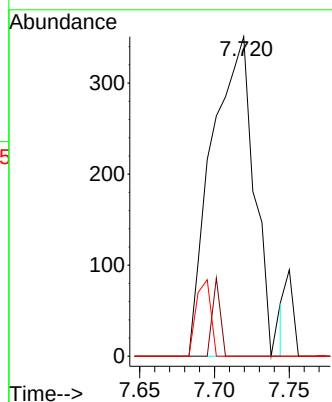
Tgt Ion: 75 Resp: 703

Ion Ratio Lower Upper

75 100

110 0.0 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 1.620 ug/l

RT: 6.988 min Scan# 864

Delta R.T. 0.007 min

Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

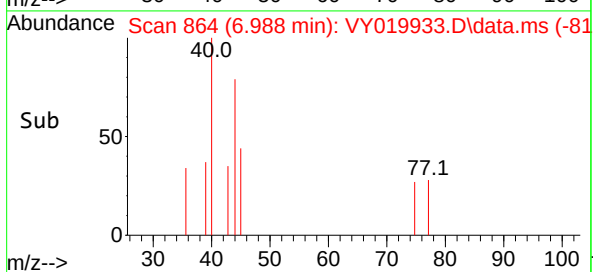
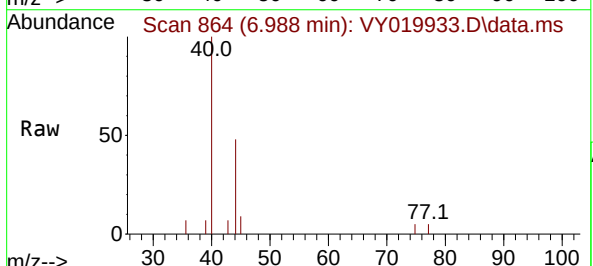
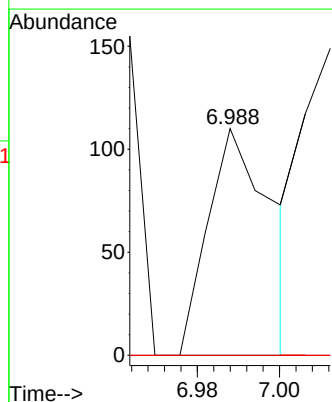
Tgt Ion: 43 Resp: 118

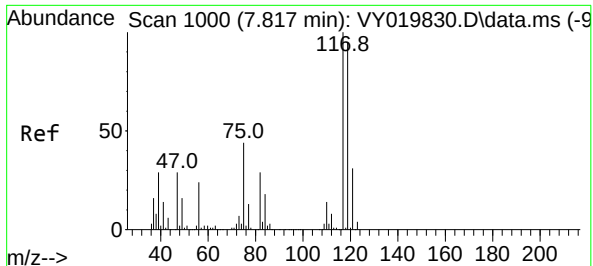
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

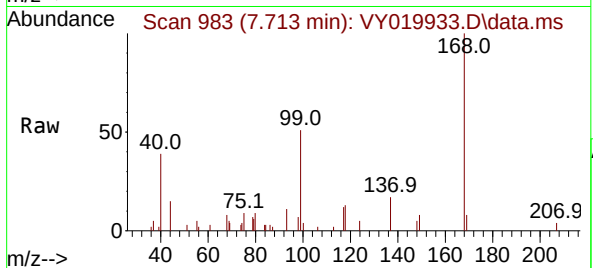
70 0.0 7.8 11.8#



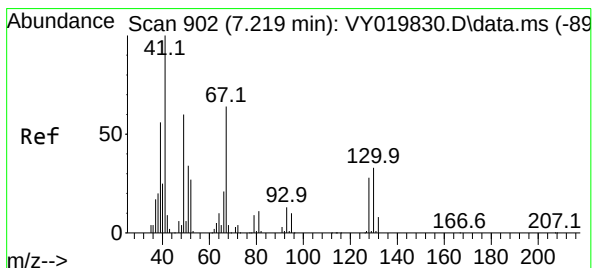
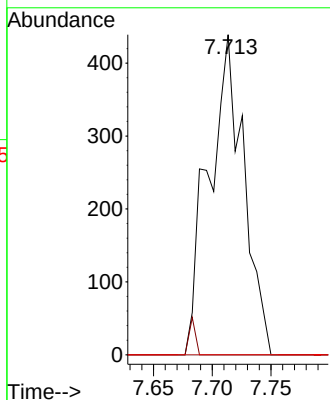
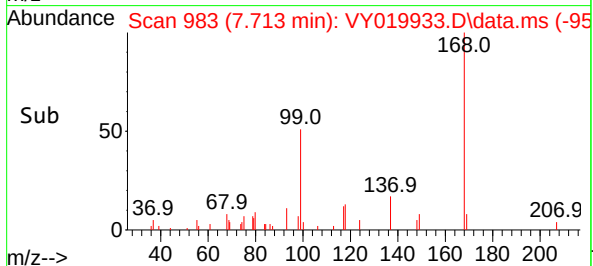


#38
Carbon Tetrachloride
Concen: 6.092 ug/l
RT: 7.713 min Scan# 912
Delta R.T. -0.103 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :

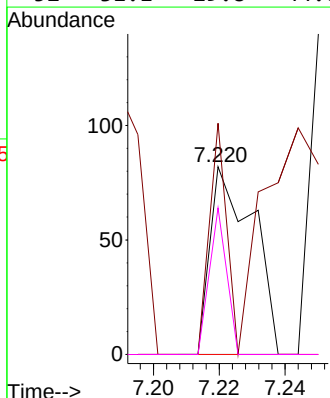
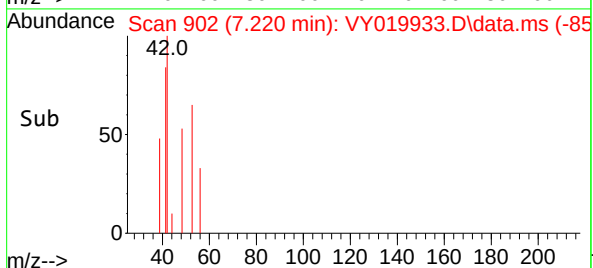
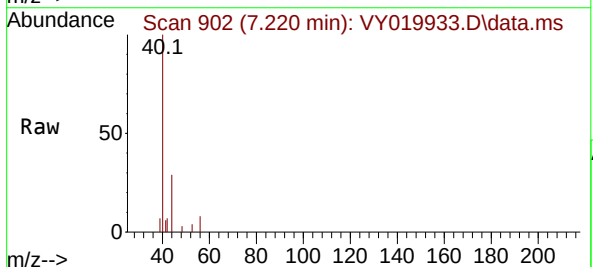


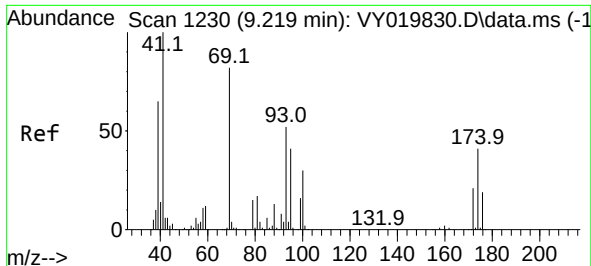
Tgt Ion:117 Resp: 912
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.878 ug/l
RT: 7.220 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
39 50.0 48.0 72.0
67 0.0 75.1 112.7#
52 31.1 29.8 44.6





#48

Methyl methacrylate

Concen: 3.980 ug/l

RT: 9.256 min Scan# 11

Delta R.T. 0.037 min

Lab File: VY019933.D

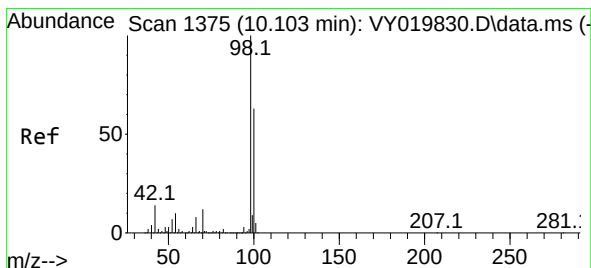
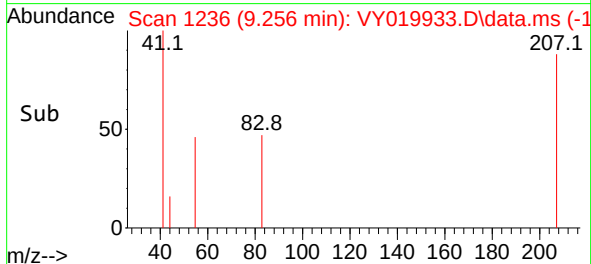
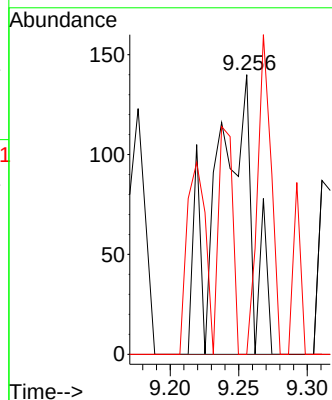
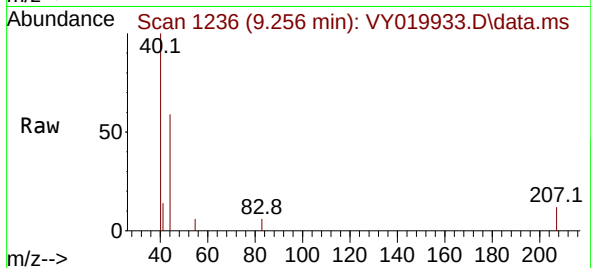
Acq: 17 Oct 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	41	Resp:	260
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	42.7	43.6	65.4#



#50

Toluene-d8

Concen: 44.101 ug/l

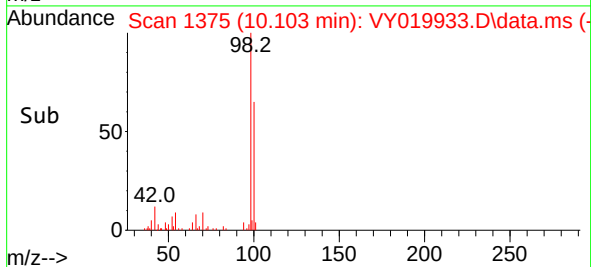
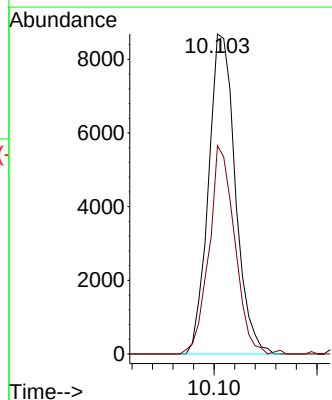
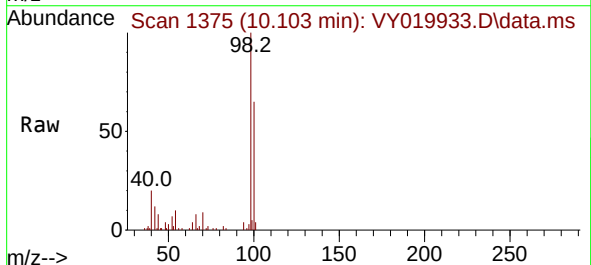
RT: 10.103 min Scan# 1375

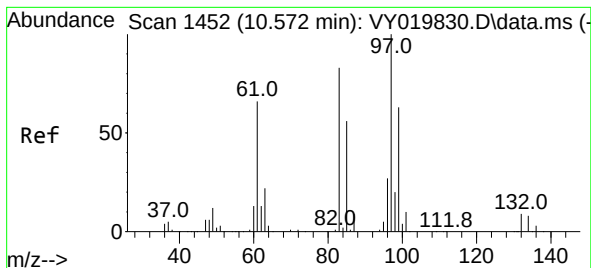
Delta R.T. -0.006 min

Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

Tgt Ion:	98	Resp:	15786
Ion	Ratio	Lower	Upper
98	100		
100	62.0	52.0	78.0





#55

1,1,2-Trichloroethane

Concen: 1.366 ug/l

RT: 10.304 min Scan# 1452

Delta R.T. -0.268 min

Lab File: VY019933.D

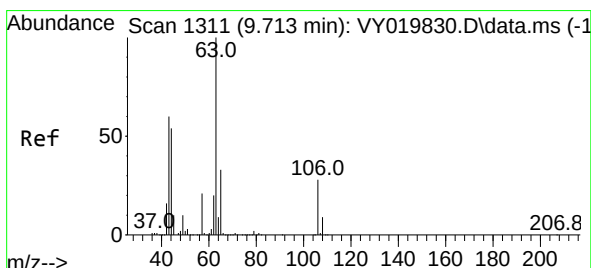
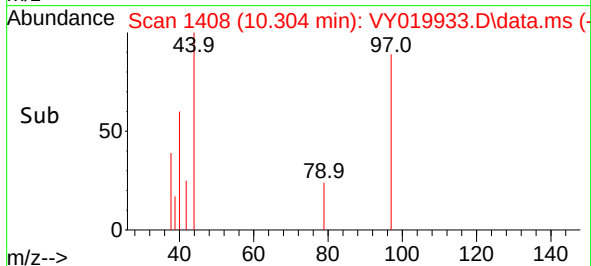
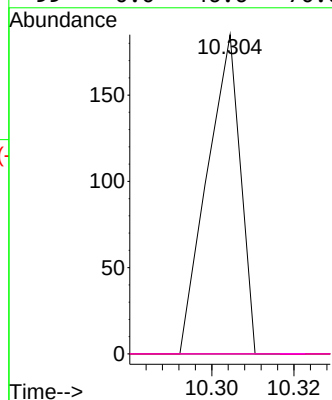
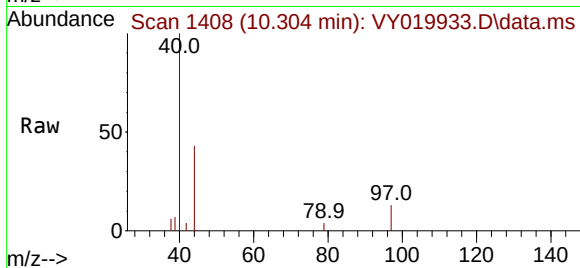
Acq: 17 Oct 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	97	Resp:	104
Ion	Ratio	Lower	Upper
97	100		
83	0.0	67.5	101.3#
85	0.0	42.9	64.3#
99	0.0	46.6	70.0#



#58

2-Chloroethyl Vinyl ether

Concen: 1.101 ug/l

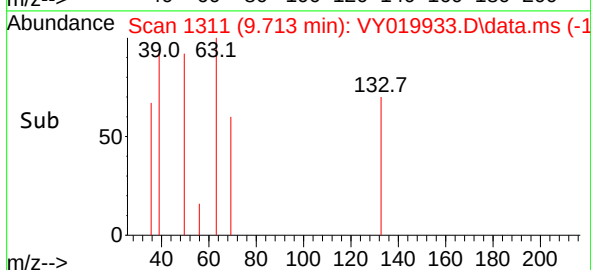
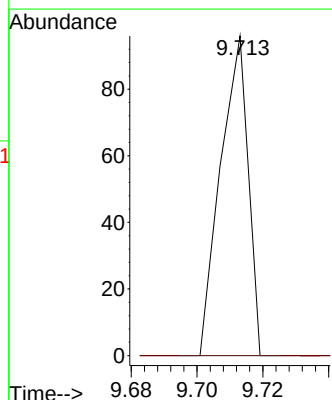
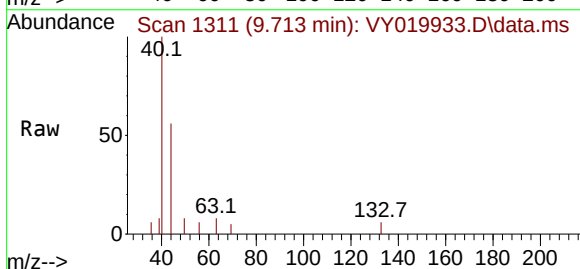
RT: 9.713 min Scan# 1311

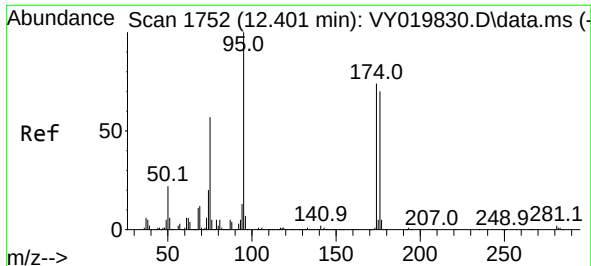
Delta R.T. 0.000 min

Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

Tgt Ion:	63	Resp:	56
Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.7	35.5#

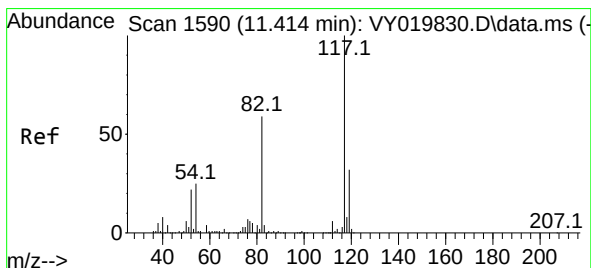
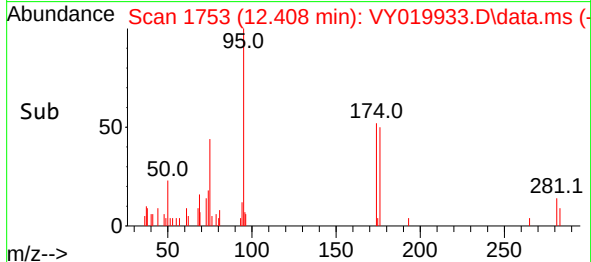
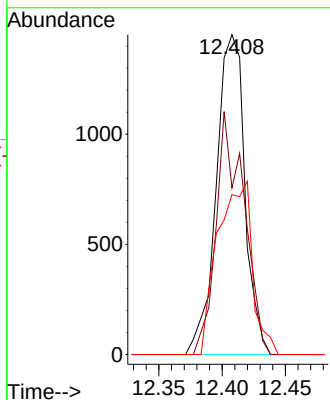
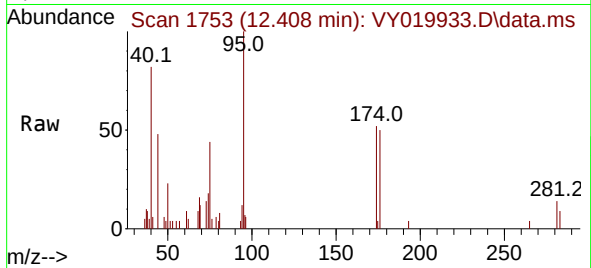




#62
4-Bromofluorobenzene
Concen: 17.605 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

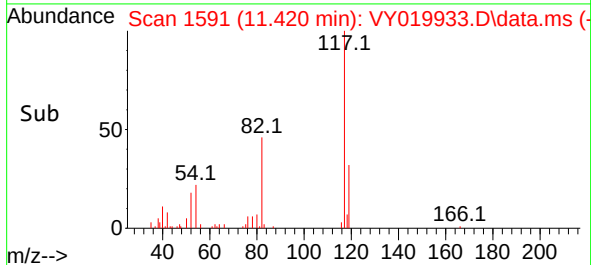
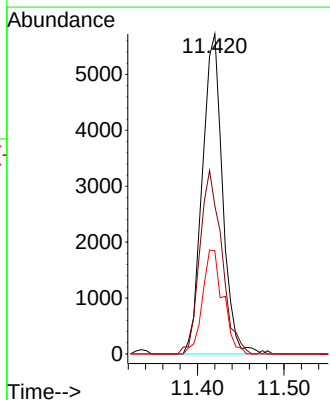
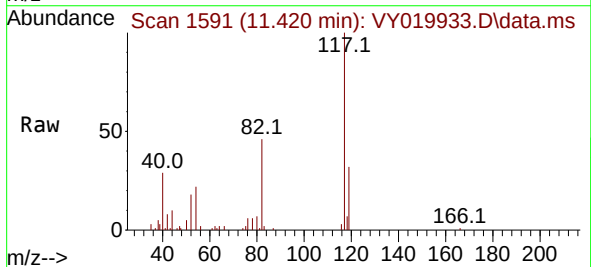
Instrument :
MSVOA_Y
ClientSampleId :

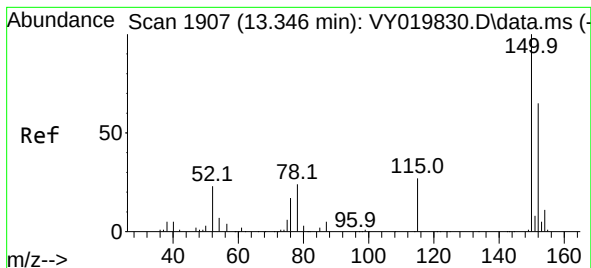
Tgt Ion: 95 Resp: 2277
Ion Ratio Lower Upper
95 100
174 74.2 0.0 175.6
176 65.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Tgt Ion: 117 Resp: 9279
Ion Ratio Lower Upper
117 100
82 46.3 42.4 63.6
119 32.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1907

Delta R.T. 0.007 min

Lab File: VY019933.D

Acq: 17 Oct 2024 15:38

Instrument :

MSVOA_Y

ClientSampleId :

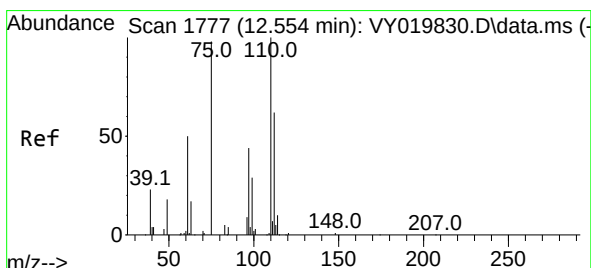
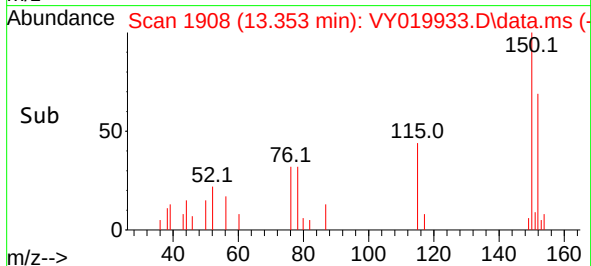
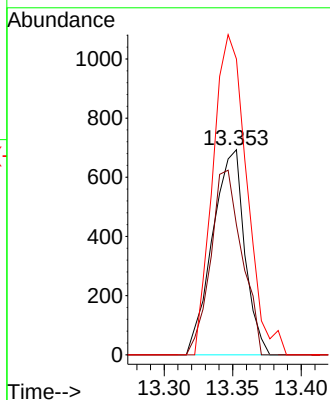
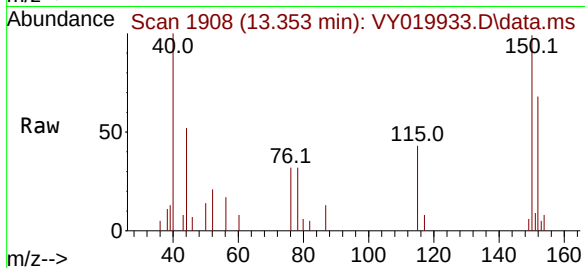
Tgt Ion:152 Resp: 1134

Ion Ratio Lower Upper

152 100

115 87.1 28.2 84.7#

150 164.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 55.548 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY019933.D

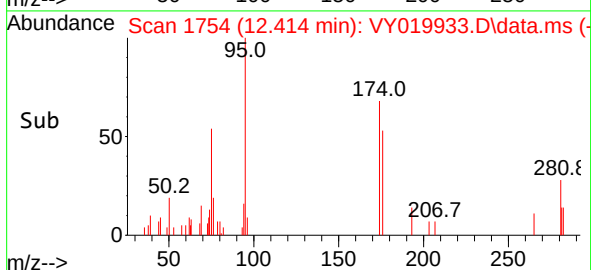
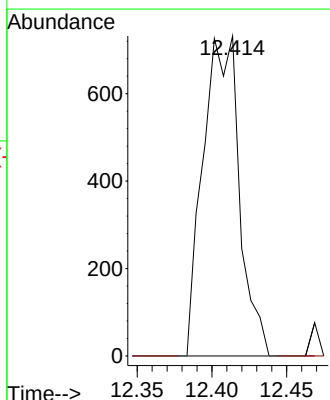
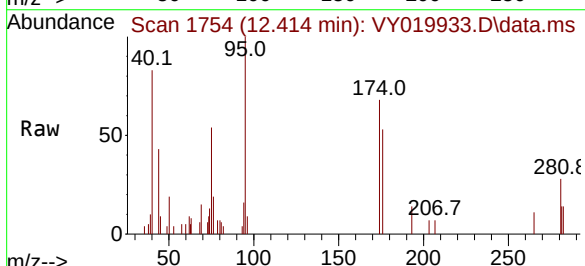
Acq: 17 Oct 2024 15:38

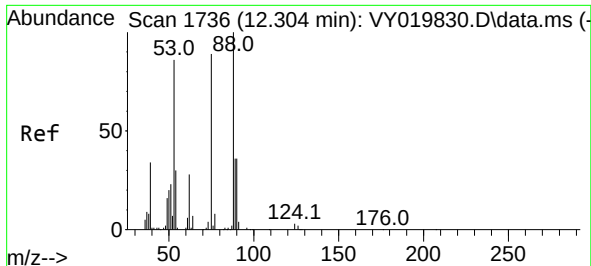
Tgt Ion: 75 Resp: 1234

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

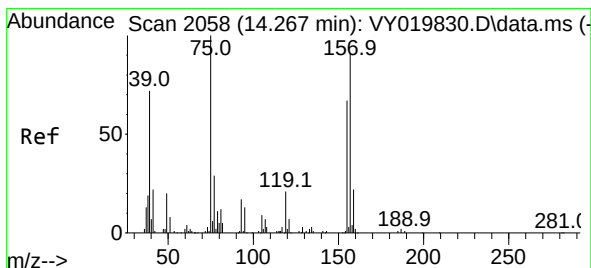
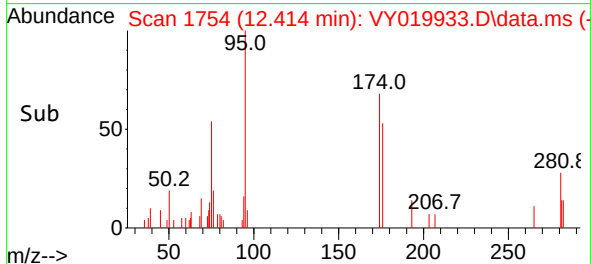
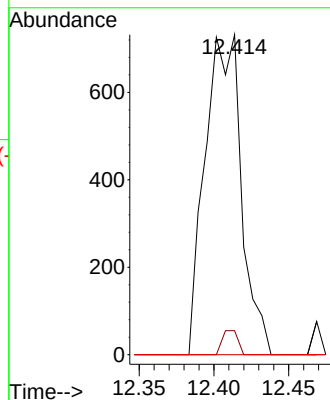
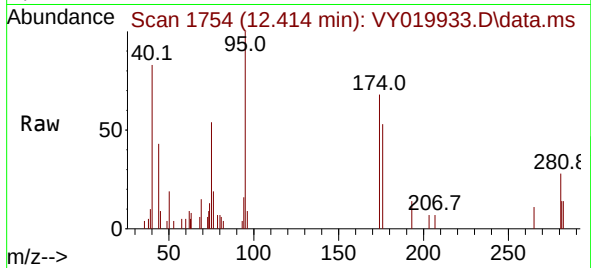




#81
 trans-1,4-Dichloro-2-butene
 Concen: 224.213 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY019933.D
 Acq: 17 Oct 2024 15:38

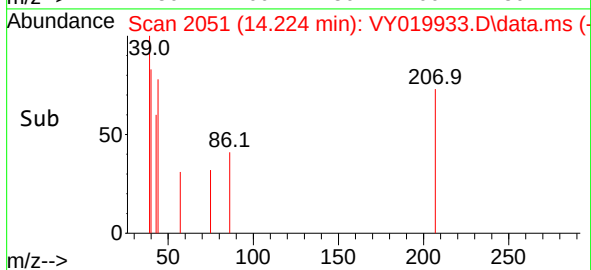
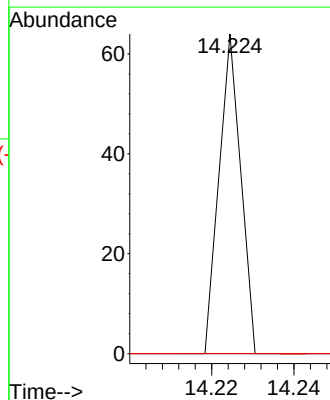
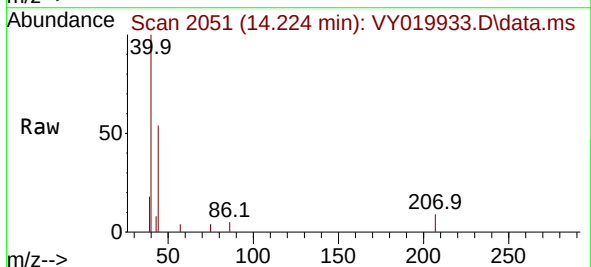
Instrument :
 MSVOA_Y
 ClientSampleId :

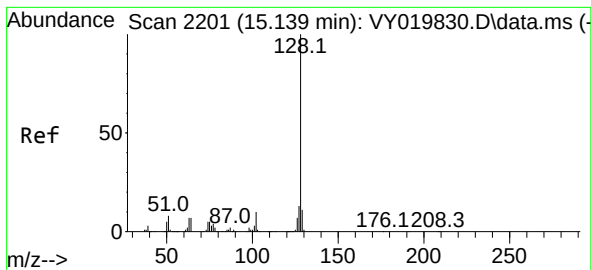
Tgt Ion: 75 Resp: 1234
 Ion Ratio Lower Upper
 75 100
 53 3.2 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 8.503 ug/l
 RT: 14.224 min Scan# 2051
 Delta R.T. -0.048 min
 Lab File: VY019933.D
 Acq: 17 Oct 2024 15:38

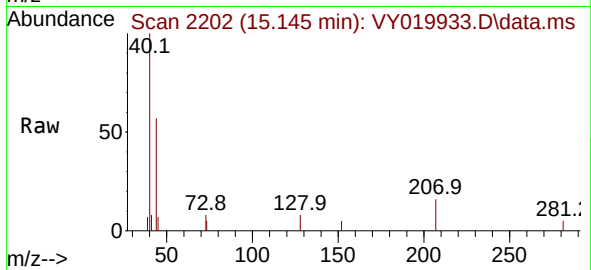
Tgt Ion: 75 Resp: 23
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 1.474 ug/l
RT: 15.145 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY019933.D
Acq: 17 Oct 2024 15:38

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	56
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

