

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
 Data File : VY019603.D
 Acq On : 18 Sep 2024 14:11
 Operator : SY/MD
 Sample : P4097-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 19 01:25:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

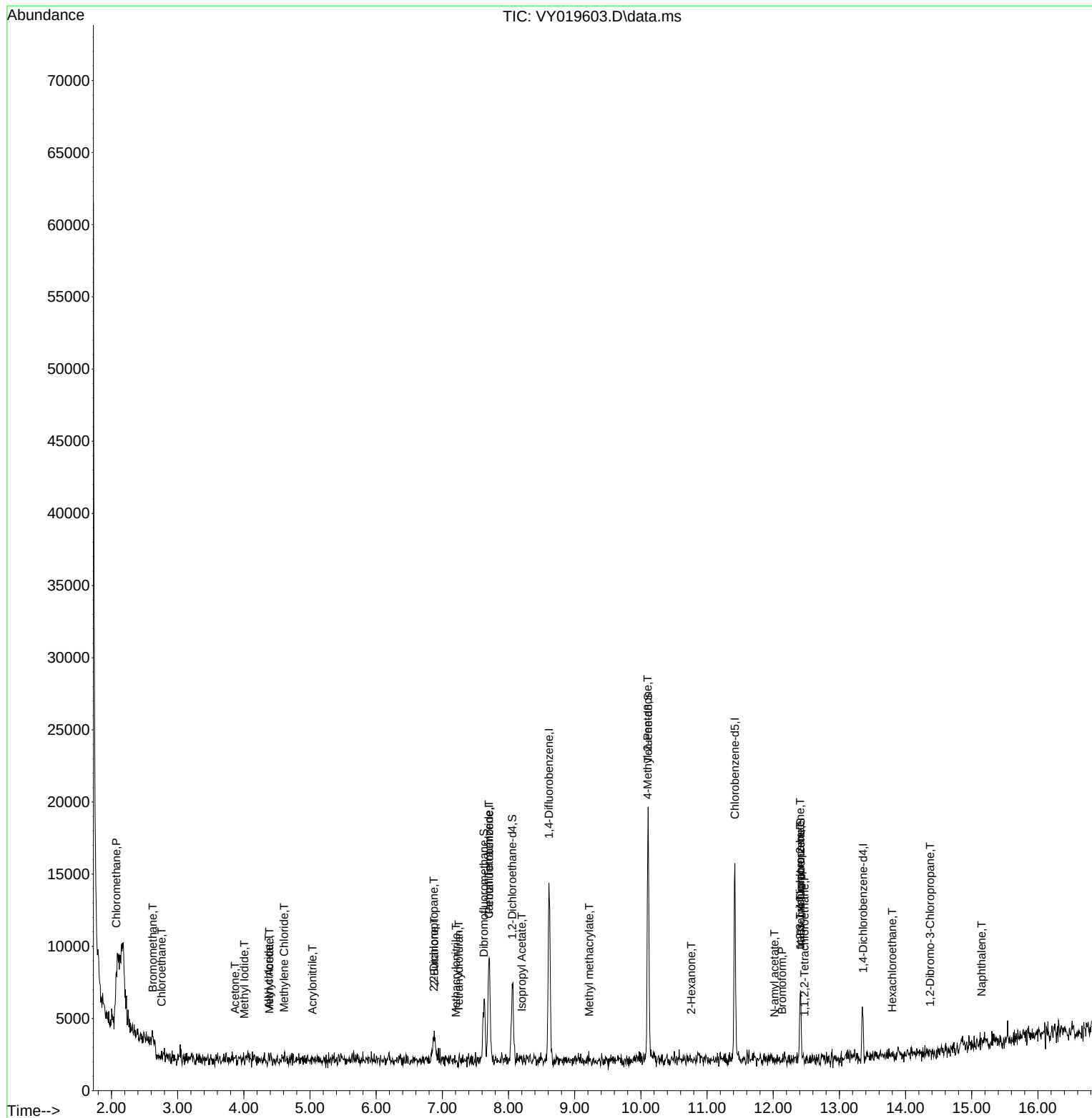
Internal Standards						
1) Pentafluorobenzene	7.707	168	5449	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	10401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	6791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	918	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	3915	77.592	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	155.180%	
35) Dibromofluoromethane	7.628	113	3002	50.906	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	101.820%	
50) Toluene-d8	10.109	98	11324	51.916	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	=	103.840%	
62) 4-Bromofluorobenzene	12.414	95	1857	22.141	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	=	44.280%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.123	85	19	Below Cal	#	43
3) Chloromethane	2.074	50	155	3.438	ug/l #	43
5) Bromomethane	2.623	94	179	5.978	ug/l #	74
6) Chloroethane	2.757	64	46	1.443	ug/l #	42
10) Methyl Iodide	4.007	142	205	3.181	ug/l #	42
13) Acrolein	3.854	56	18	Below Cal	#	49
14) Allyl chloride	4.379	41	161	1.857	ug/l #	60
15) Acrylonitrile	5.037	53	22	1.871	ug/l #	18
16) Acetone	3.867	43	464	38.601	ug/l #	36
18) Methyl Acetate	4.385	43	82	2.514	ug/l #	46
20) Methylene Chloride	4.610	84	227	4.141	ug/l #	22
25) 2-Butanone	6.878	43	262	15.325	ug/l #	41
26) 2,2-Dichloropropane	6.872	77	175	1.942	ug/l #	51
29) Tetrahydrofuran	7.250	42	25	2.405	ug/l #	26
38) Carbon Tetrachloride	7.701	117	759	8.388	ug/l #	13
41) Methacrylonitrile	7.207	41	115	4.798	ug/l #	22
43) Isopropyl Acetate	8.201	43	110	1.273	ug/l #	47
48) Methyl methacrylate	9.219	41	68	1.667	ug/l #	30
51) 4-Methyl-2-Pentanone	10.103	43	96	2.209	ug/l	94
59) 2-Hexanone	10.762	43	83	2.605	ug/l #	19
71) Bromoform	12.133	173	48	1.817	ug/l #	27
74) N-amyl acetate	12.018	43	86	4.748	ug/l #	48
75) 1,1,2,2-Tetrachloroethane	12.475	83	18	1.523	ug/l #	26
76) 1,2,3-Trichloropropane	12.408	75	911	105.877	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	911	203.253	ug/l #	16
90) Hexachloroethane	13.798	117	46	3.795	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.371	75	55	27.918	ug/l #	1
95) Naphthalene	15.151	128	76	2.436	ug/l #	69

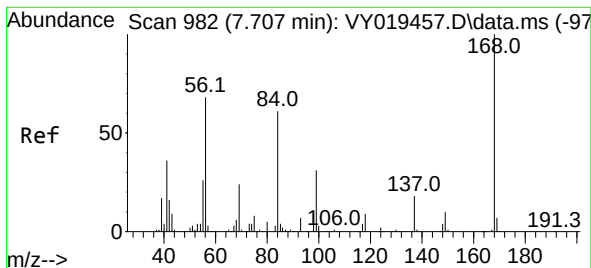
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091824\
Data File : VY019603.D
Acq On : 18 Sep 2024 14:11
Operator : SY/MD
Sample : P4097-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Sep 19 01:25:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Instrument :

MSVOA_Y

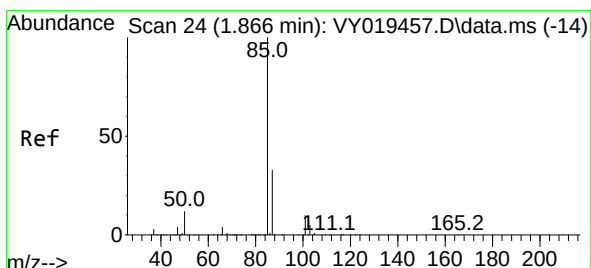
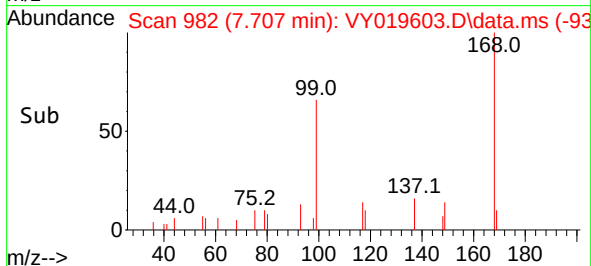
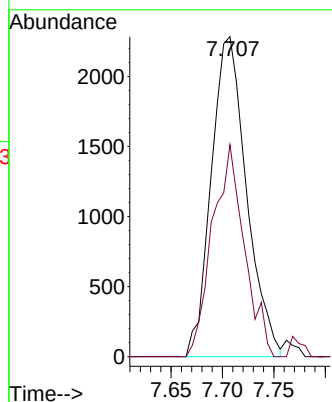
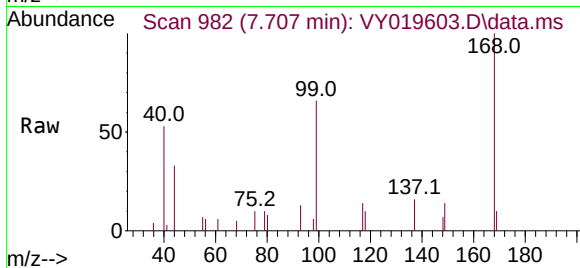
ClientSampleId :

Tgt Ion:168 Resp: 5449

Ion Ratio Lower Upper

168 100

99 66.2 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.123 min Scan# 66

Delta R.T. 0.257 min

Lab File: VY019603.D

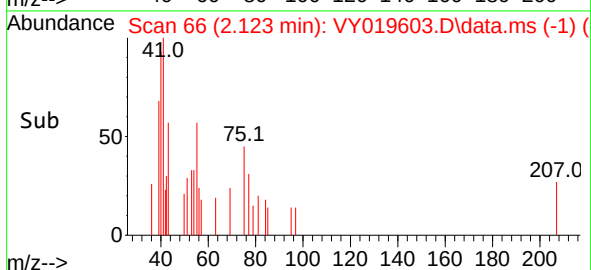
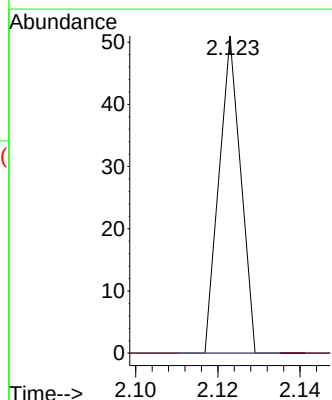
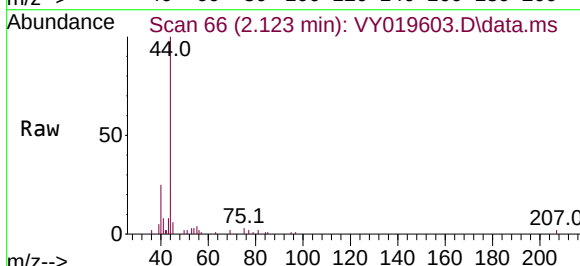
Acq: 18 Sep 2024 14:11

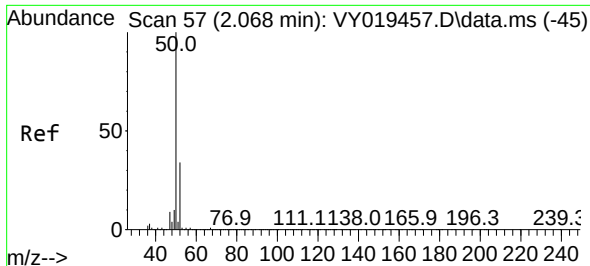
Tgt Ion: 85 Resp: 19

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#

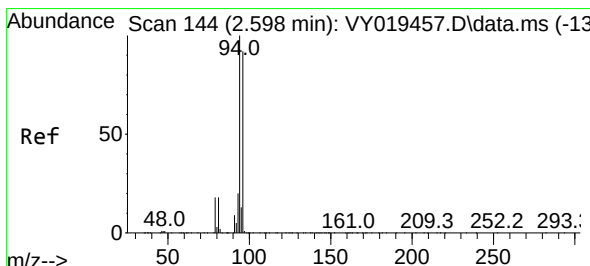
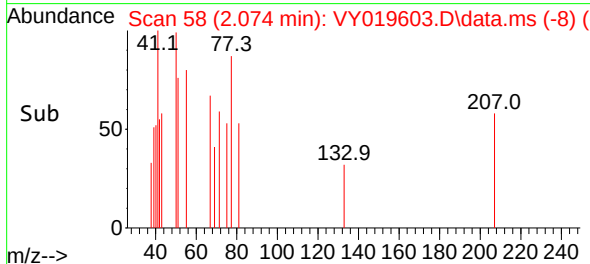
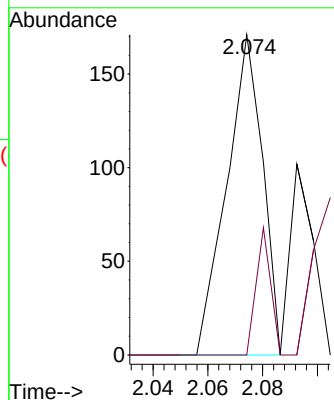
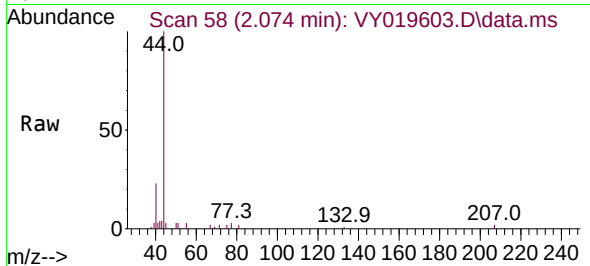




#3
Chloromethane
Concen: 3.438 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.007 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

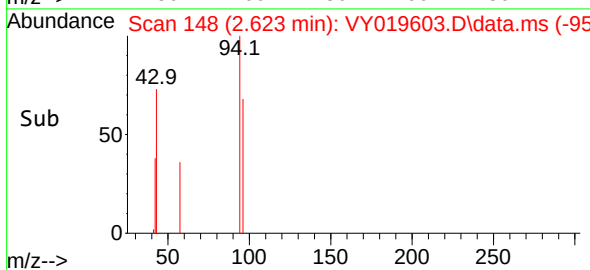
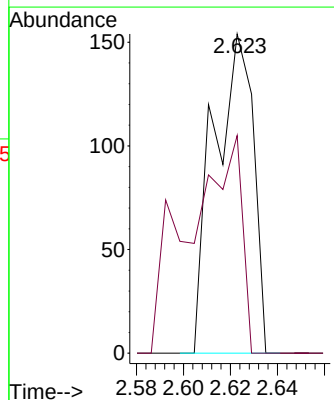
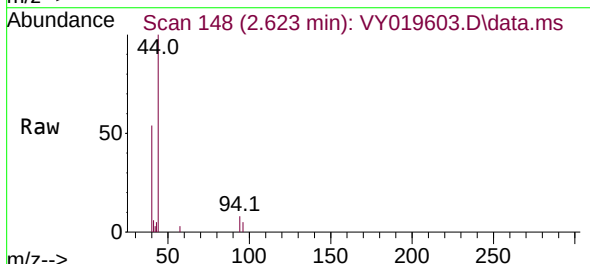
Instrument :
MSVOA_Y
ClientSampleId :

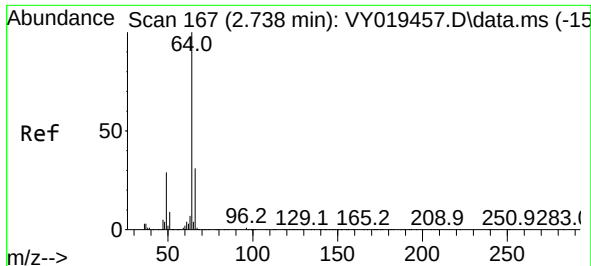
Tgt Ion: 50 Resp: 155
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



#5
Bromomethane
Concen: 5.978 ug/l
RT: 2.623 min Scan# 148
Delta R.T. 0.025 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 68.2 74.1 111.1#

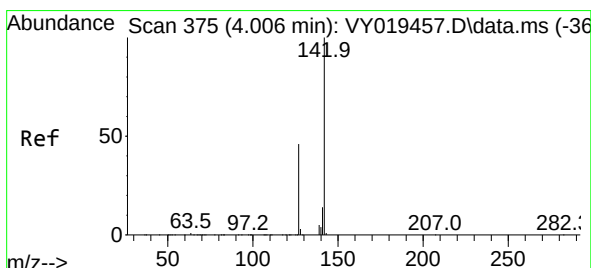
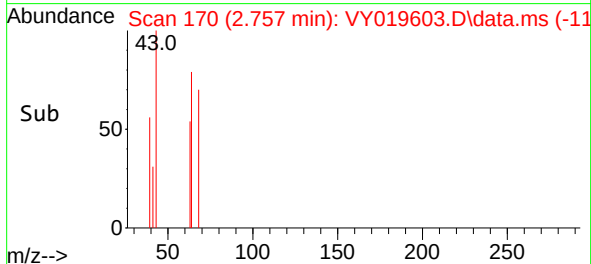
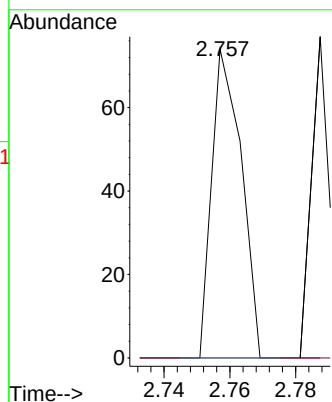
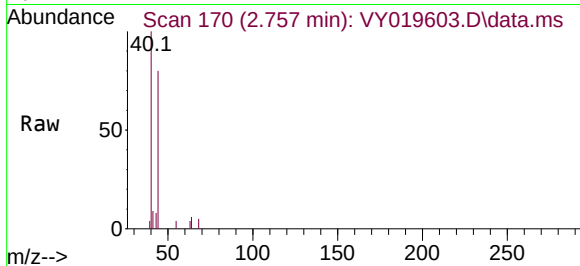




#6
Chloroethane
Concen: 1.443 ug/l
RT: 2.757 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

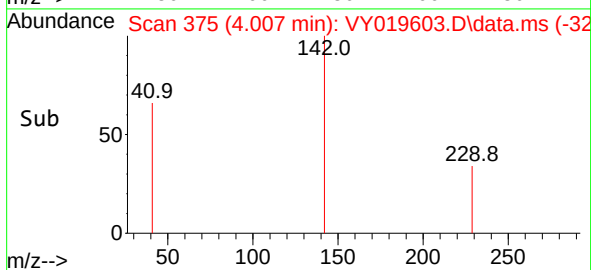
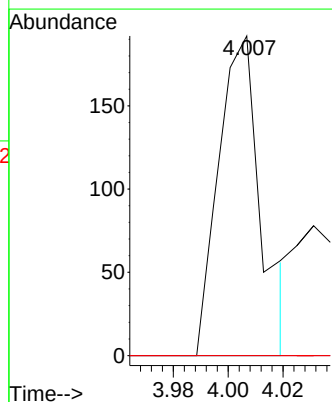
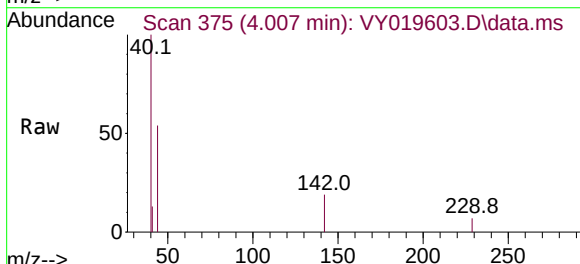
Instrument :
MSVOA_Y
ClientSampleId :

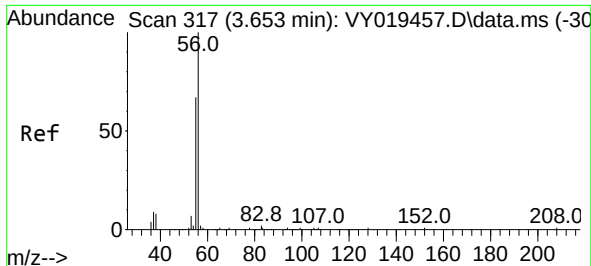
Tgt Ion: 64 Resp: 46
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#10
Methyl Iodide
Concen: 3.181 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.000 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

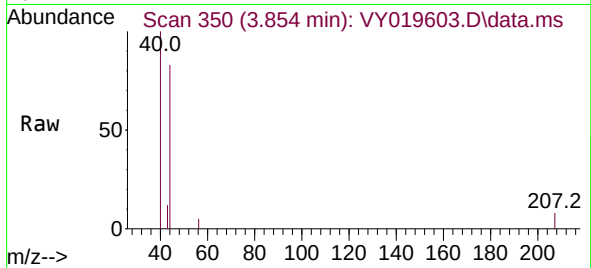
Tgt Ion: 142 Resp: 205
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



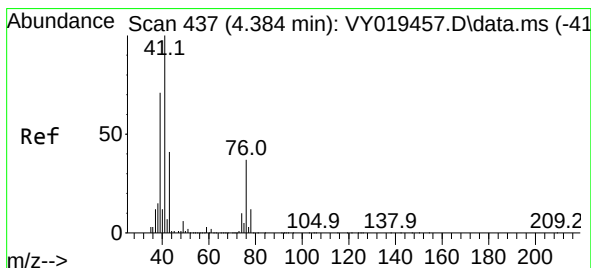
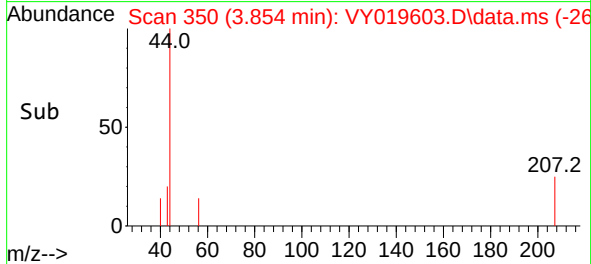
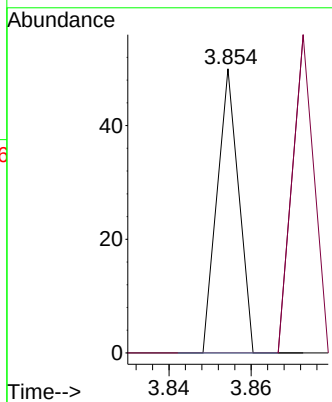


#13
Acrolein
Concen: Below Cal
RT: 3.854 min Scan# 317
Delta R.T. 0.201 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

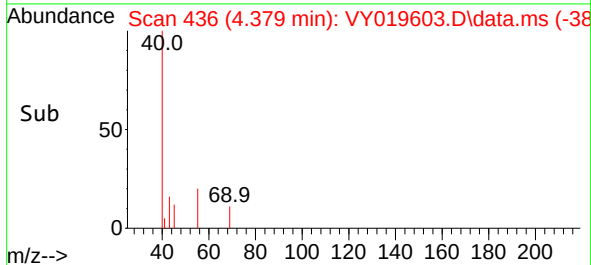
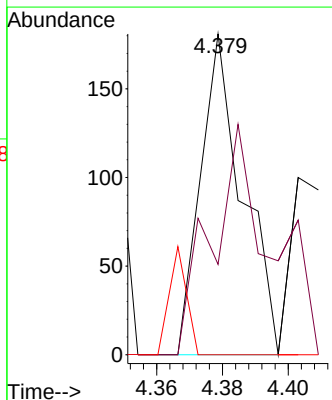
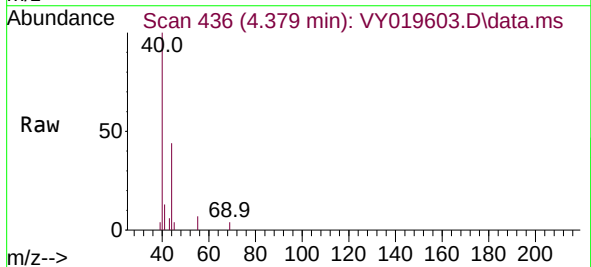


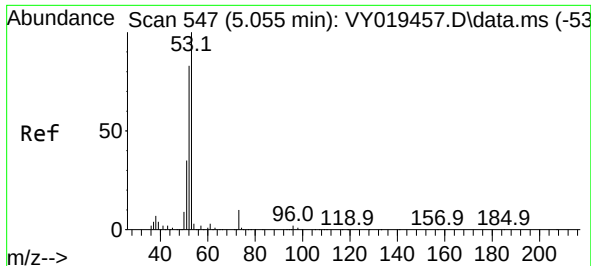
Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 111.1 55.7 83.5#



#14
Allyl chloride
Concen: 1.857 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 41 Resp: 161
Ion Ratio Lower Upper
41 100
39 100.6 58.3 87.5#
76 13.7 39.0 58.6#





#15

Acrylonitrile

Concen: 1.871 ug/l

RT: 5.037 min Scan# 54

Delta R.T. -0.018 min

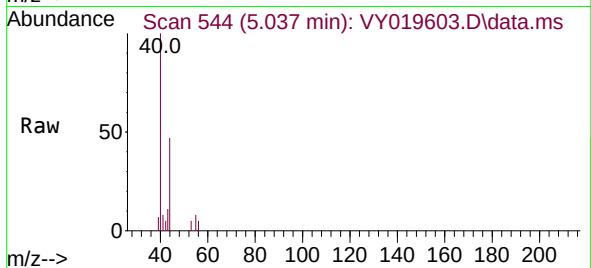
Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

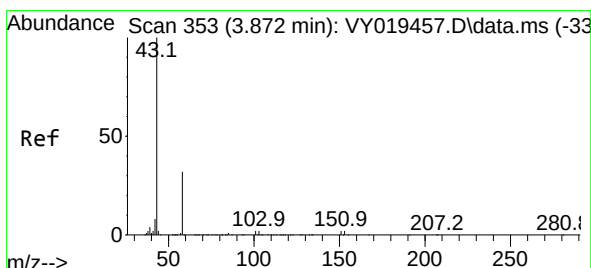
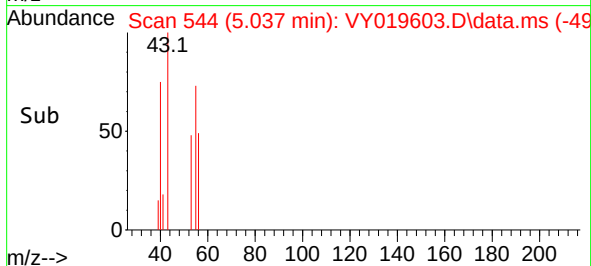
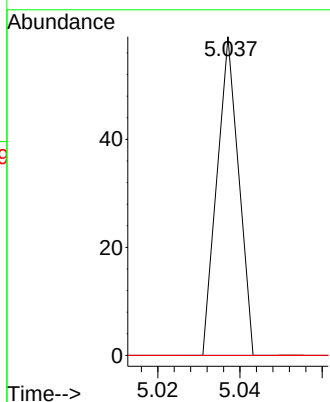
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 53	Resp:	22
Ion	Ratio	Lower Upper
53	100	
52	0.0	64.7 97.1#
51	0.0	28.4 42.6#



#16

Acetone

Concen: 38.601 ug/l

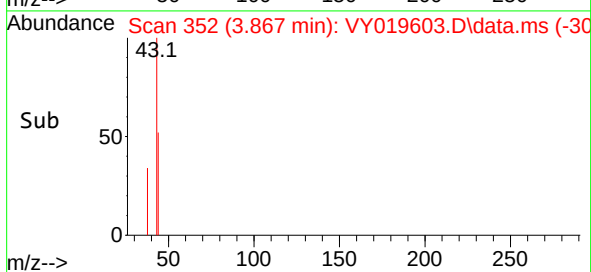
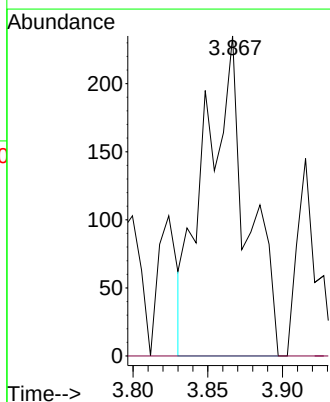
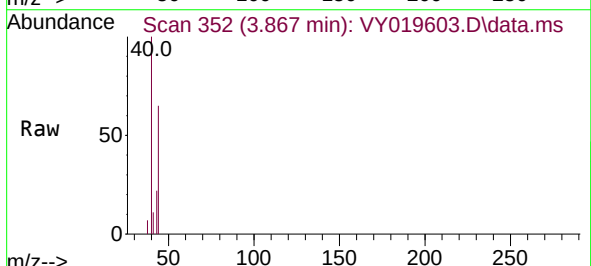
RT: 3.867 min Scan# 352

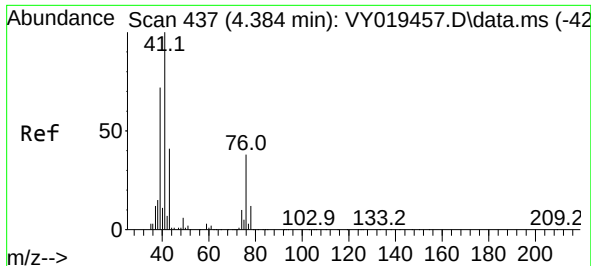
Delta R.T. -0.006 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

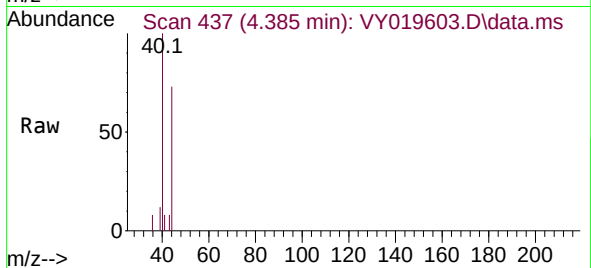
Tgt Ion: 43	Resp:	464
Ion	Ratio	Lower Upper
43	100	
58	0.0	31.7 47.5#



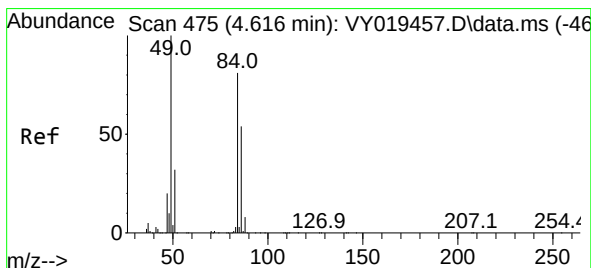
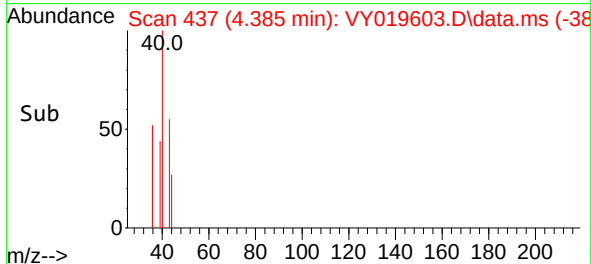
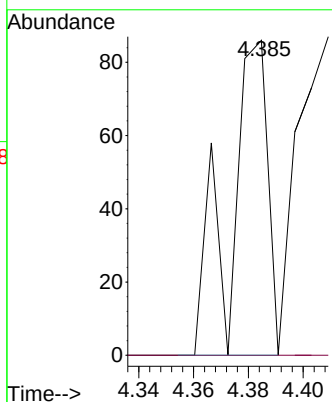


#18
Methyl Acetate
Concen: 2.514 ug/l
RT: 4.385 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

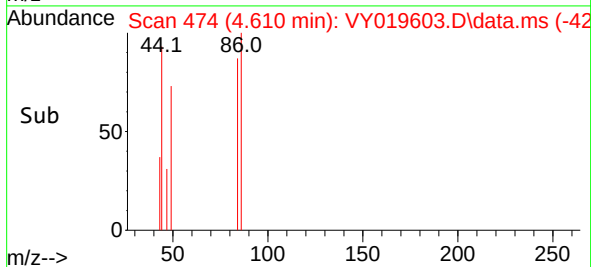
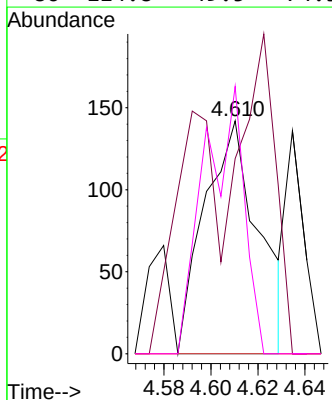
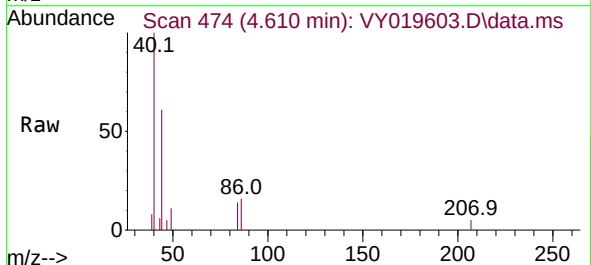


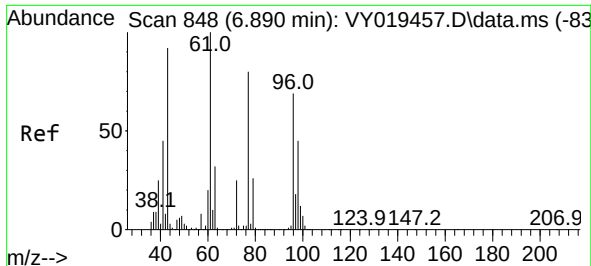
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



#20
Methylene Chloride
Concen: 4.141 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 84 Resp: 227
Ion Ratio Lower Upper
84 100
49 14.1 84.4 126.6#
51 0.0 26.0 39.0#
86 114.8 49.5 74.3#





#25

2-Butanone

Concen: 15.325 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.012 min

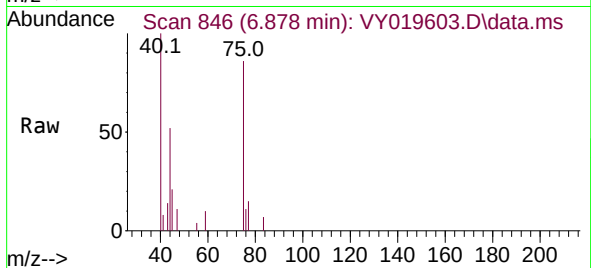
Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

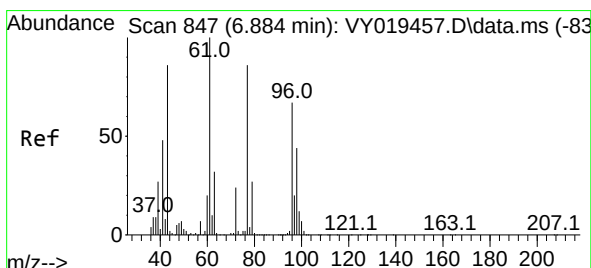
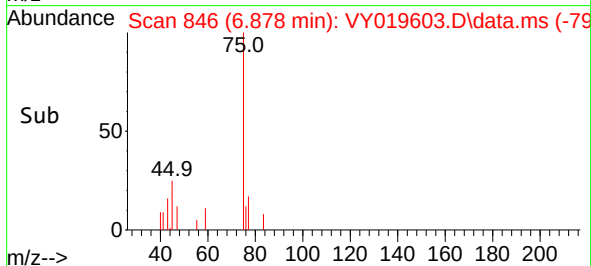
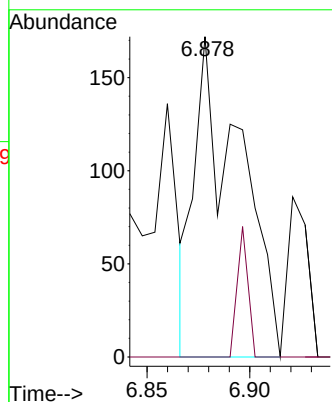


Tgt Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 1.942 ug/l

RT: 6.872 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY019603.D

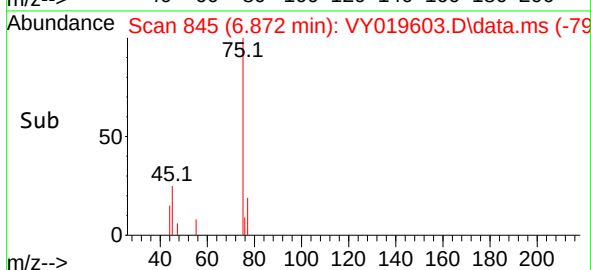
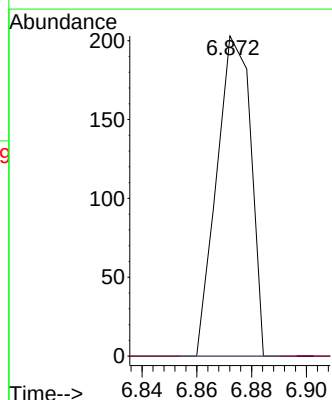
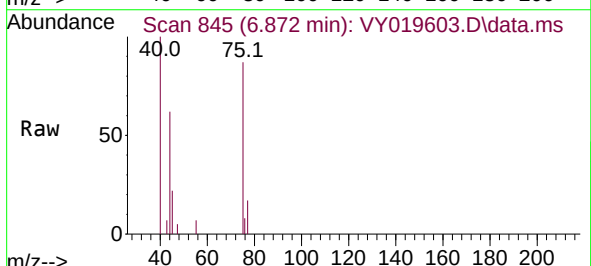
Acq: 18 Sep 2024 14:11

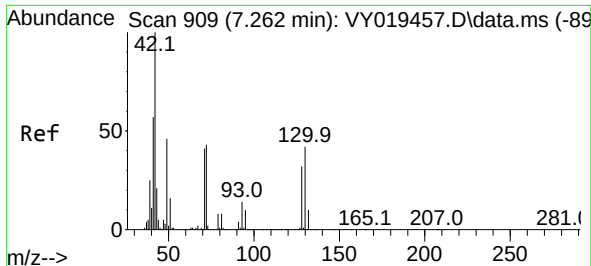
Tgt Ion: 77 Resp: 175

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 2.405 ug/l

RT: 7.250 min Scan# 909

Delta R.T. -0.012 min

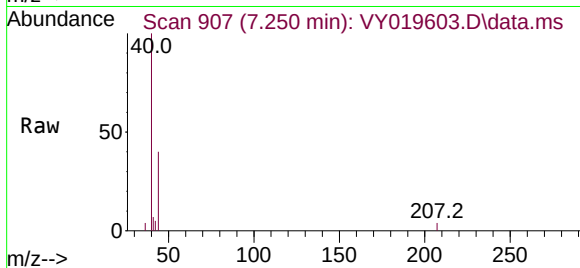
Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

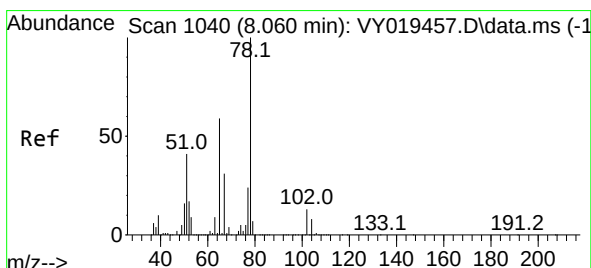
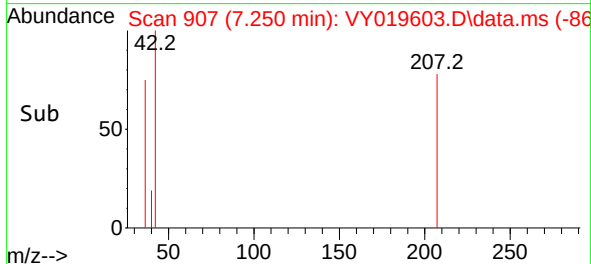
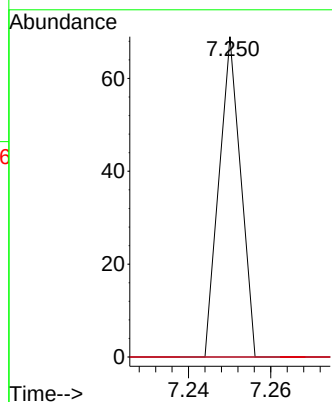
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	25
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#33

1,2-Dichloroethane-d4

Concen: 77.592 ug/l

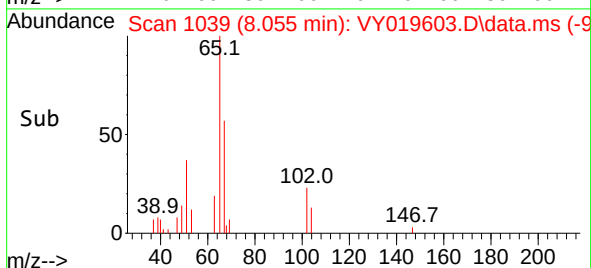
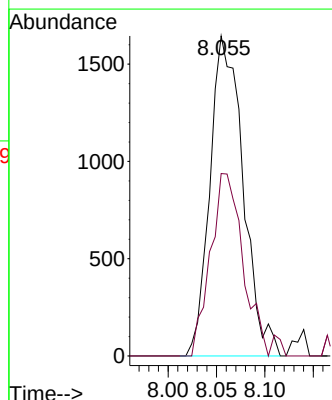
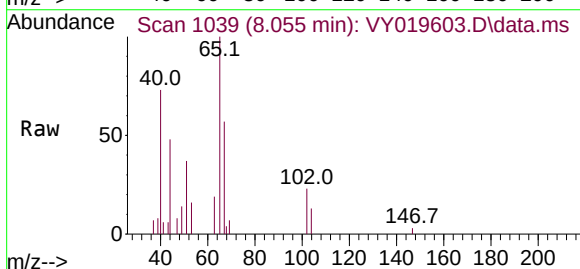
RT: 8.055 min Scan# 1039

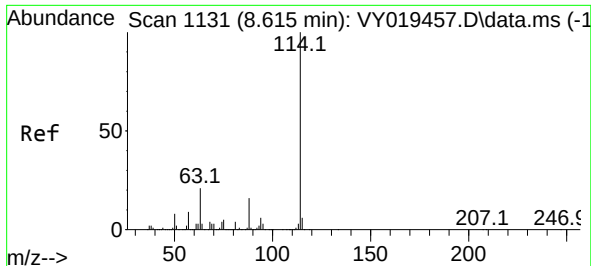
Delta R.T. -0.006 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Tgt Ion:	65	Resp:	3915
Ion	Ratio	Lower	Upper
65	100		
67	55.7	0.0	109.6

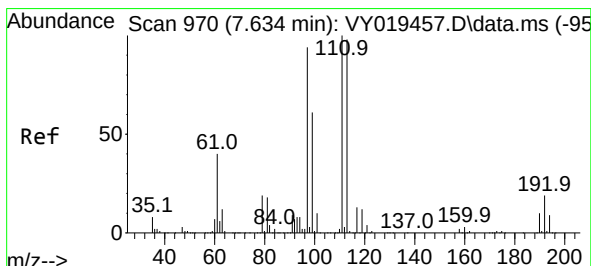
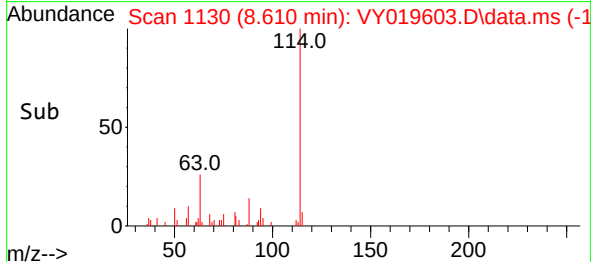
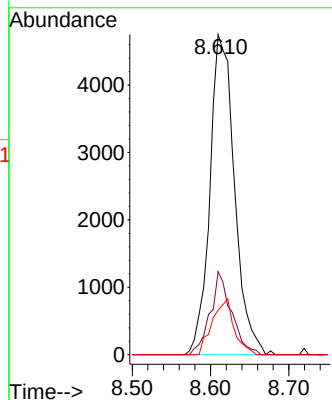
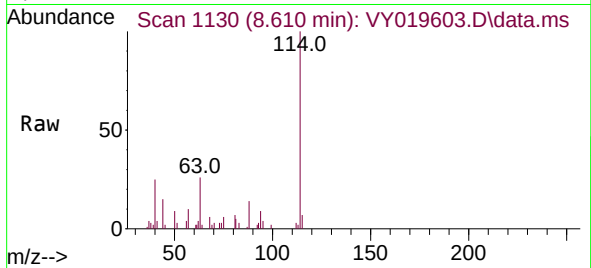




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

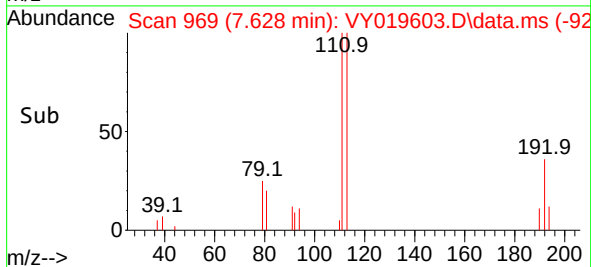
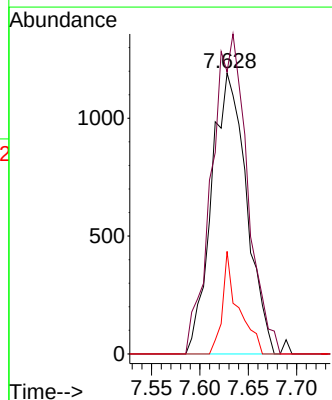
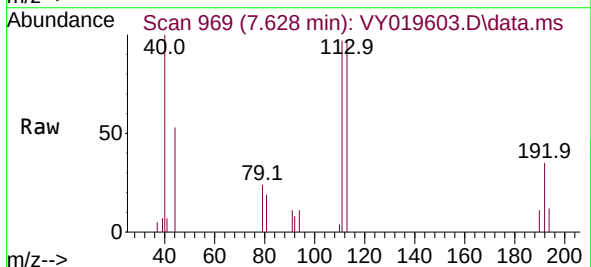
Instrument :
MSVOA_Y
ClientSampleId :

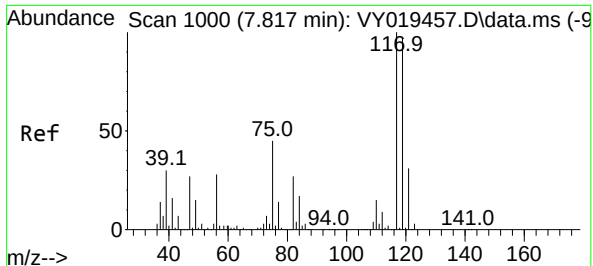
Tgt Ion:	114	Resp:	10401
Ion Ratio	Lower	Upper	
114	100		
63	26.0	0.0	35.0
88	13.9	0.0	27.2



#35
Dibromofluoromethane
Concen: 50.906 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

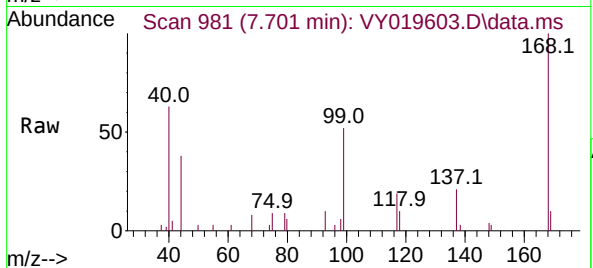
Tgt Ion:	113	Resp:	3002
Ion Ratio	Lower	Upper	
113	100		
111	116.1	82.2	123.4
192	16.6	15.9	23.9



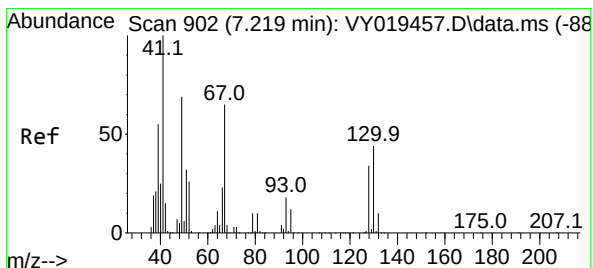
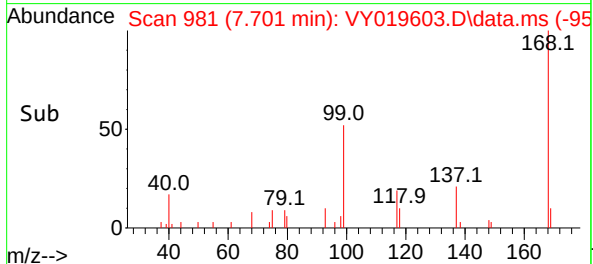
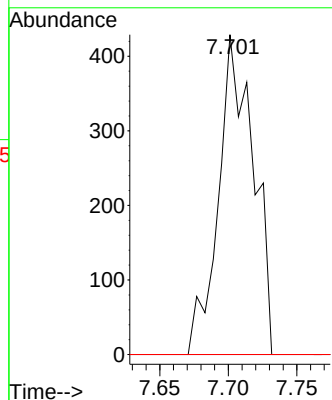


#38
Carbon Tetrachloride
Concen: 8.388 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

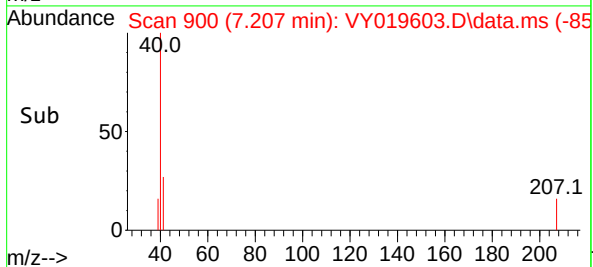
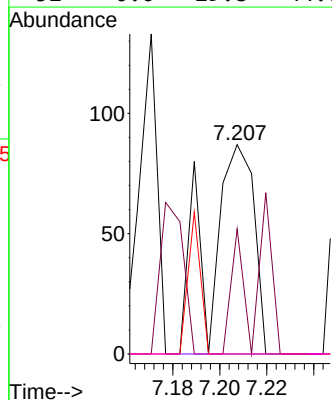
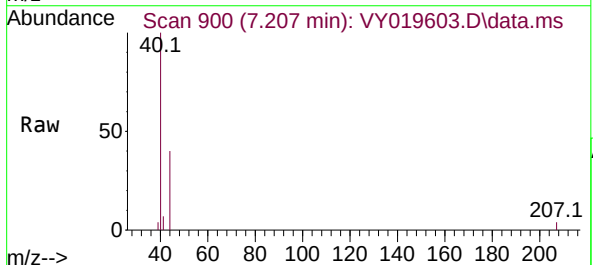


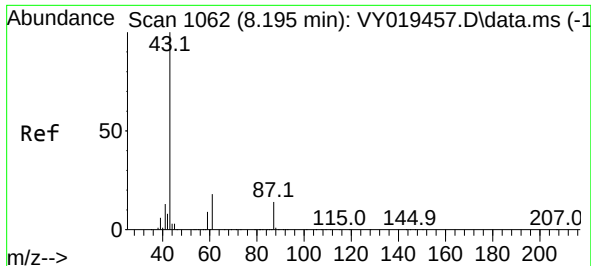
Tgt Ion:117 Resp: 759
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 4.798 ug/l
RT: 7.207 min Scan# 900
Delta R.T. -0.012 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

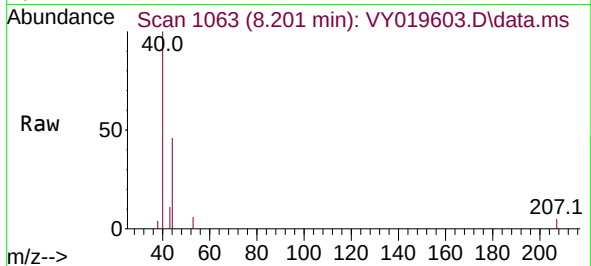
Tgt Ion: 41 Resp: 115
Ion Ratio Lower Upper
41 100
39 16.5 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



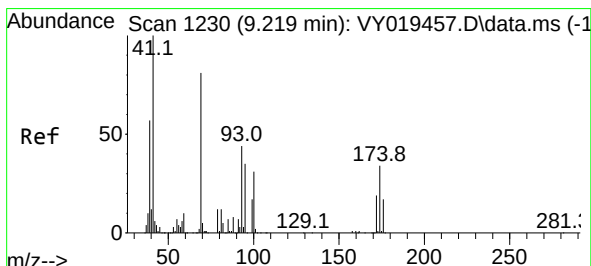
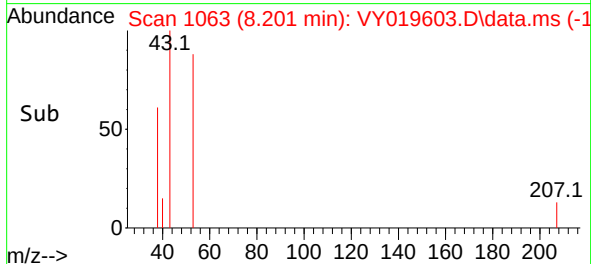
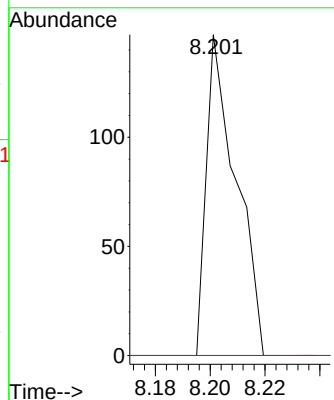


#43
Isopropyl Acetate
Concen: 1.273 ug/l
RT: 8.201 min Scan# 1063
Delta R.T. 0.007 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

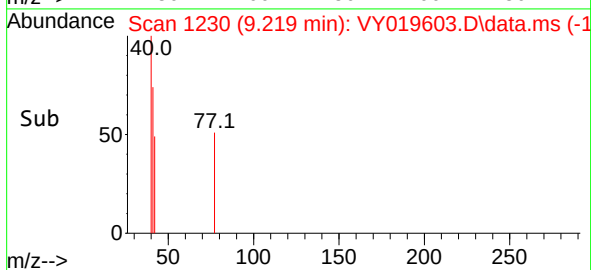
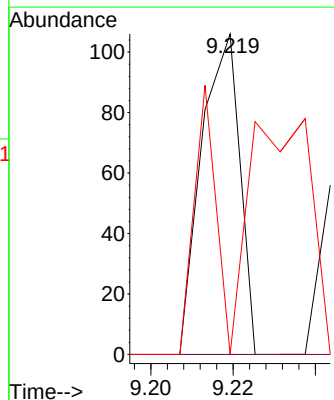
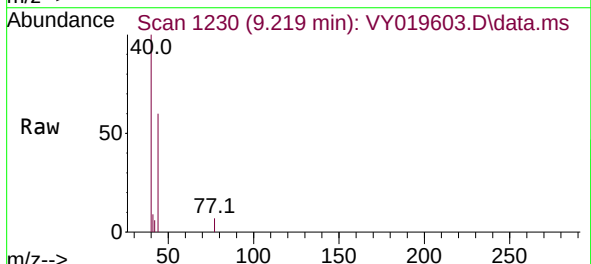


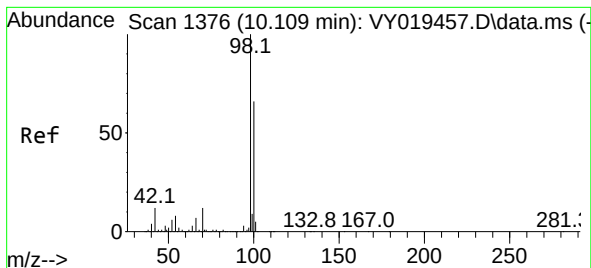
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
61 0.0 27.9 41.9#
87 0.0 13.1 19.7#



#48
Methyl methacrylate
Concen: 1.667 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 48.5 43.6 65.4

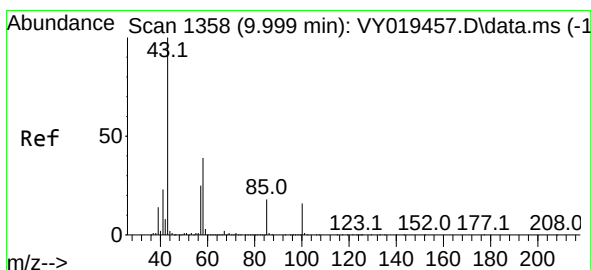
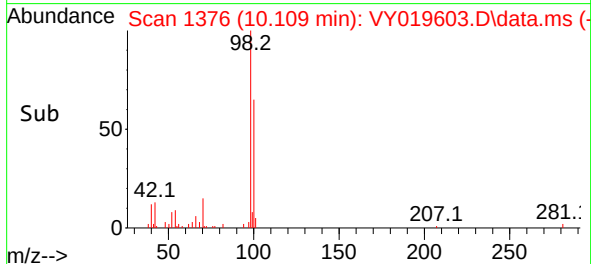
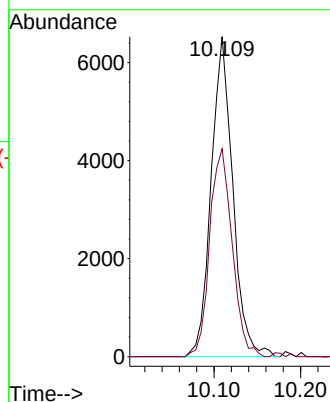
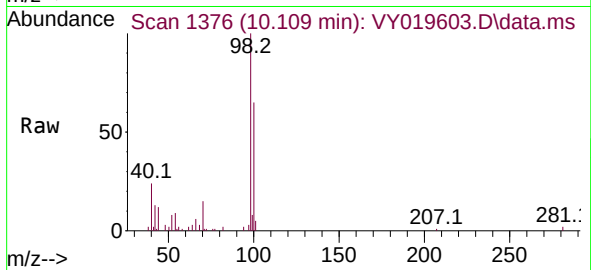




#50
Toluene-d8
Concen: 51.916 ug/l
RT: 10.109 min Scan# 11324
Delta R.T. 0.000 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

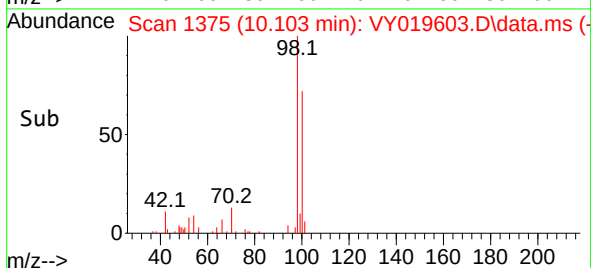
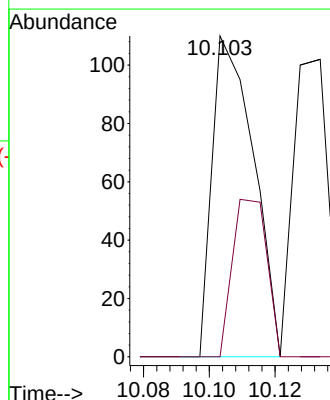
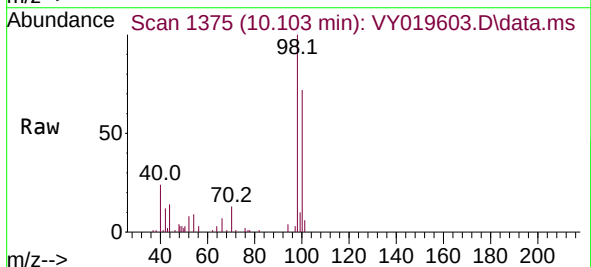
Instrument :
MSVOA_Y
ClientSampleId :

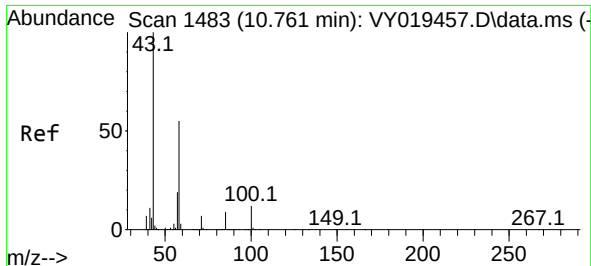
Tgt Ion: 98 Resp: 11324
Ion Ratio Lower Upper
98 100
100 67.4 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.209 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
58 40.6 35.7 53.5

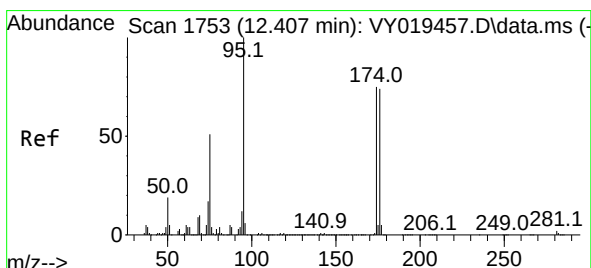
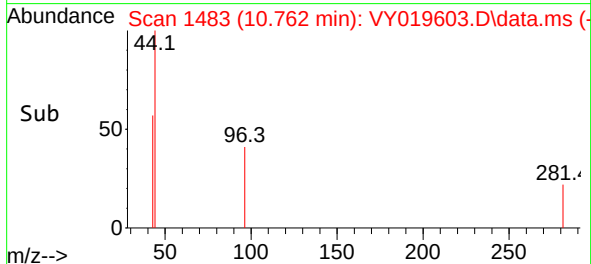
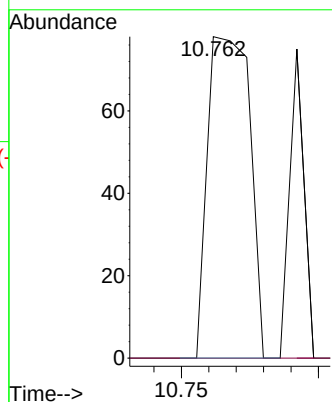
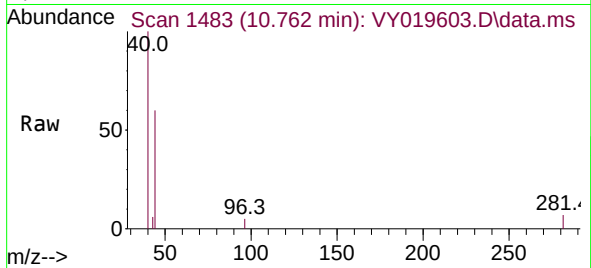




#59
2-Hexanone
Concen: 2.605 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

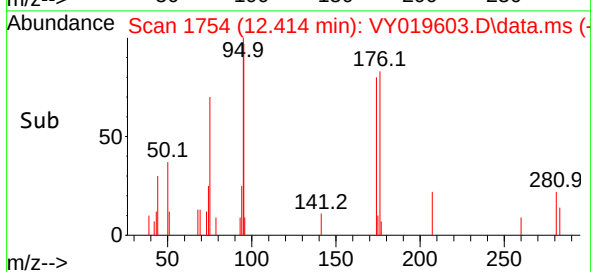
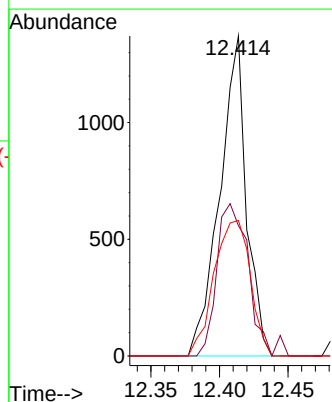
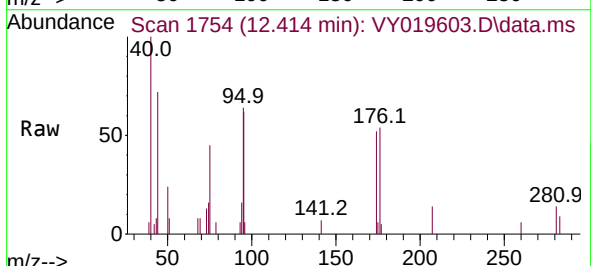
Instrument :
MSVOA_Y
ClientSampleId :

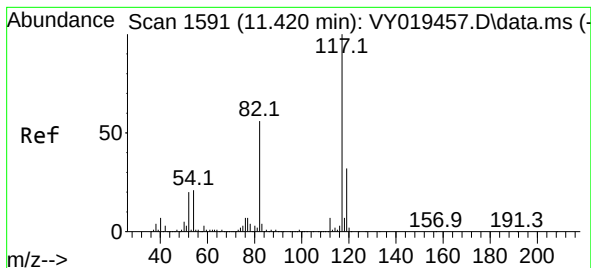
Tgt Ion: 43 Resp: 83
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 22.141 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.007 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 95 Resp: 1857
Ion Ratio Lower Upper
95 100
174 57.2 0.0 175.6
176 57.6 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

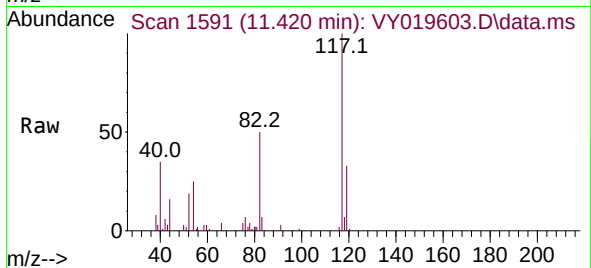
Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

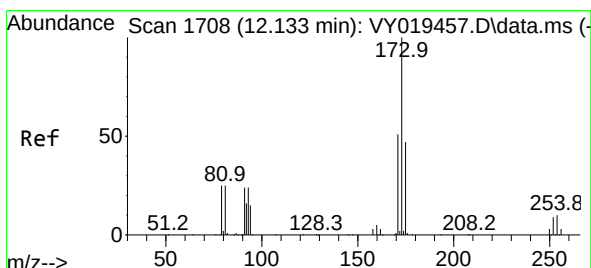
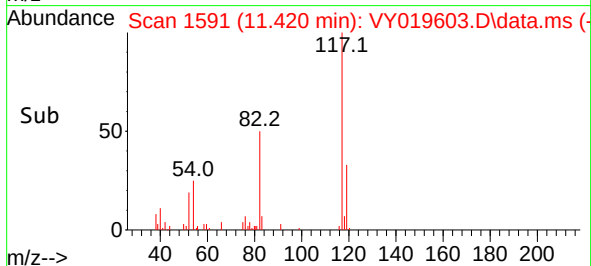
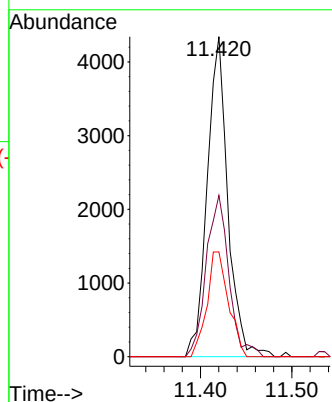
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	6791
Ion	Ratio	Lower	Upper
117	100		
82	50.4	42.4	63.6
119	32.7	25.9	38.9



#71

Bromoform

Concen: 1.817 ug/l

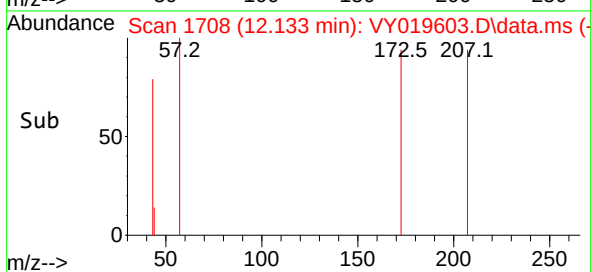
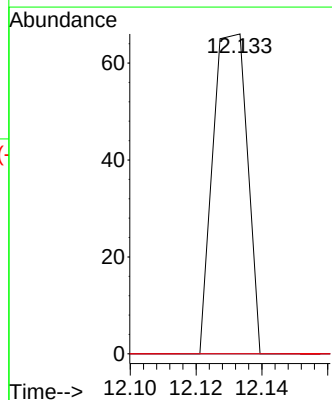
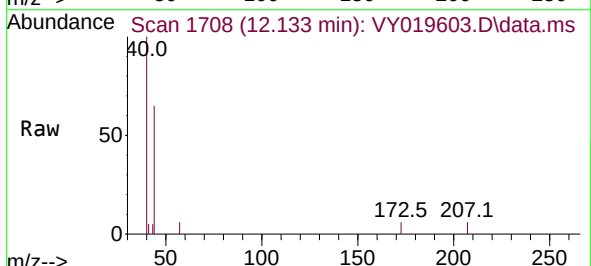
RT: 12.133 min Scan# 1708

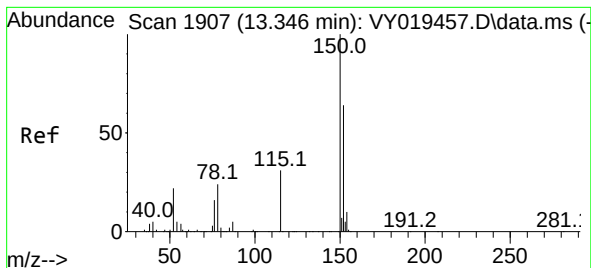
Delta R.T. 0.000 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Tgt Ion:	173	Resp:	48
Ion	Ratio	Lower	Upper
173	100		
175	0.0	25.1	75.3#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.013 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

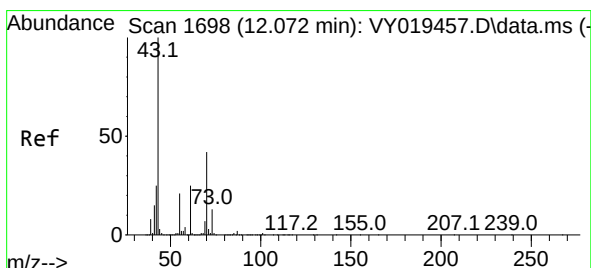
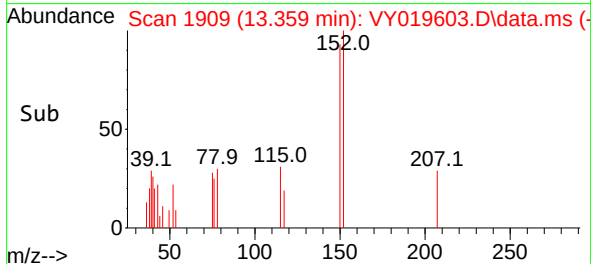
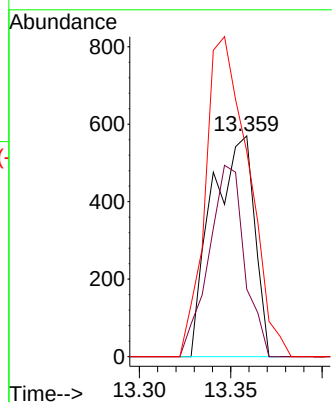
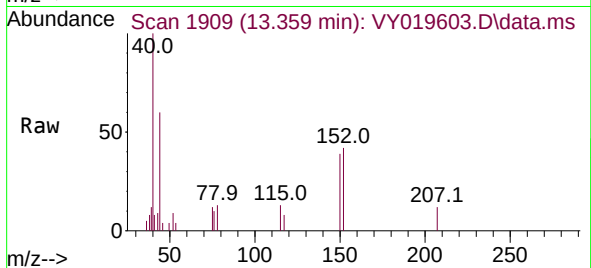
Tgt Ion:152 Resp: 918

Ion Ratio Lower Upper

152 100

115 73.0 28.2 84.7

150 148.0 0.0 345.6



#74

N-ethyl acetate

Concen: 4.748 ug/l

RT: 12.018 min Scan# 1689

Delta R.T. -0.054 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Tgt Ion: 43 Resp: 86

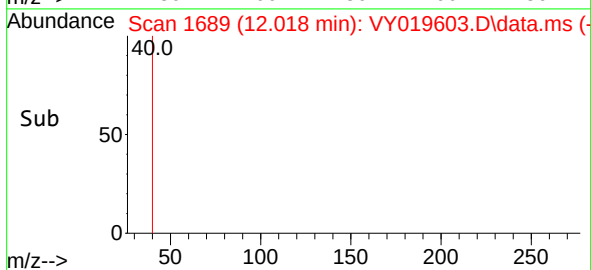
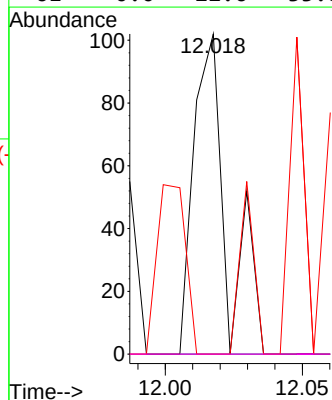
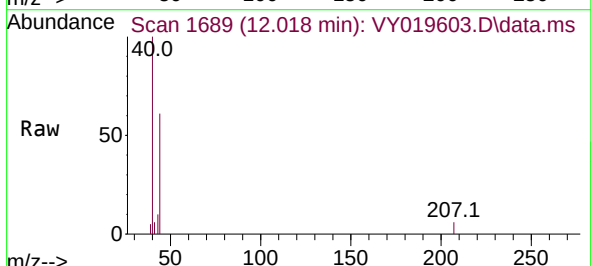
Ion Ratio Lower Upper

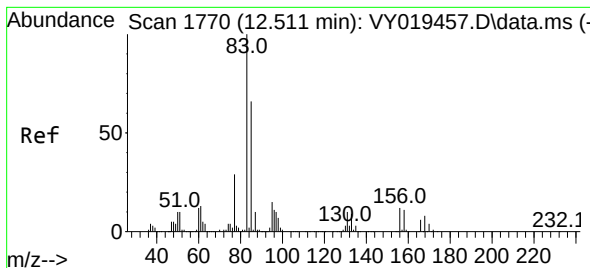
43 100

70 0.0 41.4 62.2#

55 23.3 23.3 34.9#

61 0.0 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.523 ug/l

RT: 12.475 min Scan# 11

Delta R.T. -0.036 min

Lab File: VY019603.D

Acq: 18 Sep 2024 14:11

Instrument :

MSVOA_Y

ClientSampleId :

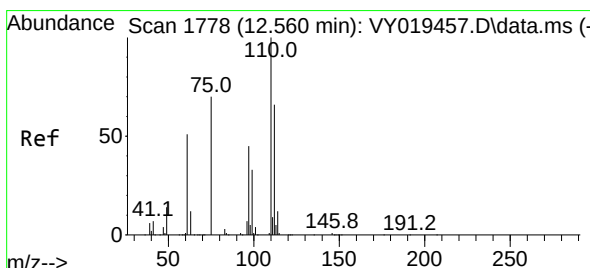
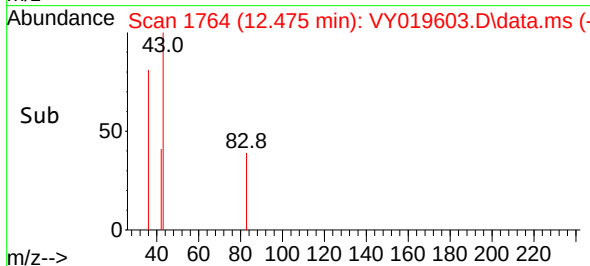
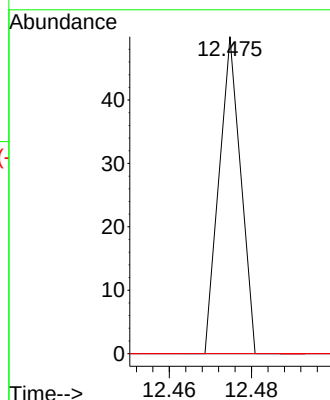
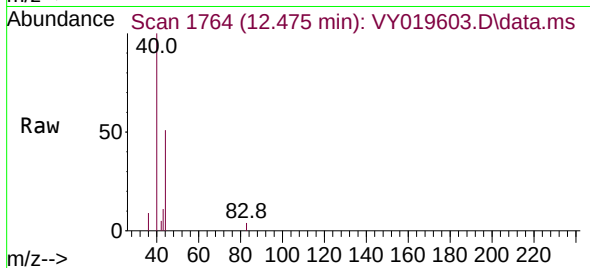
Tgt Ion: 83 Resp: 18

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 0.0 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 105.877 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019603.D

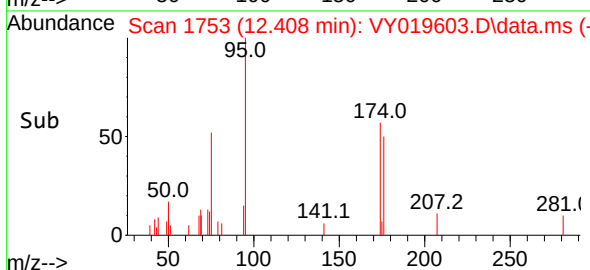
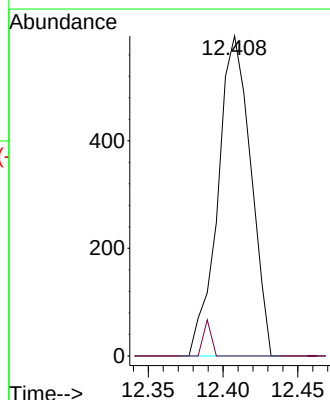
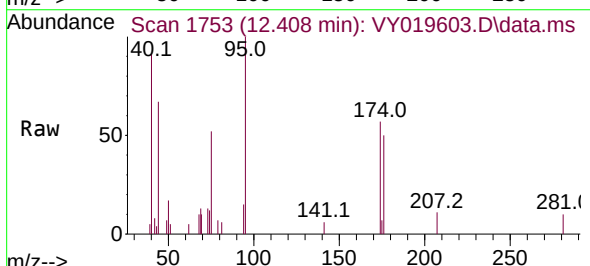
Acq: 18 Sep 2024 14:11

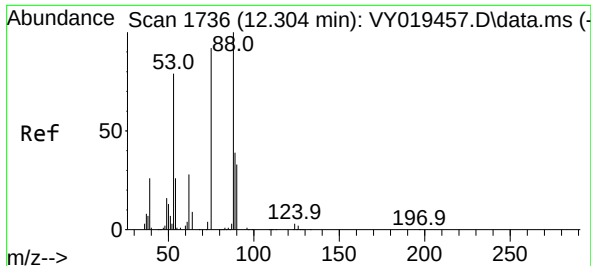
Tgt Ion: 75 Resp: 911

Ion Ratio Lower Upper

75 100

77 2.7 0.0 0.0#

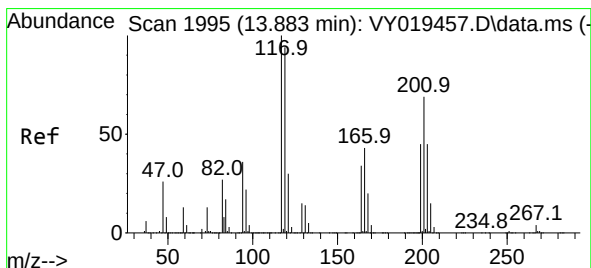
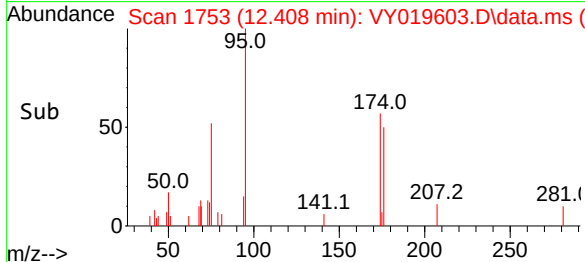
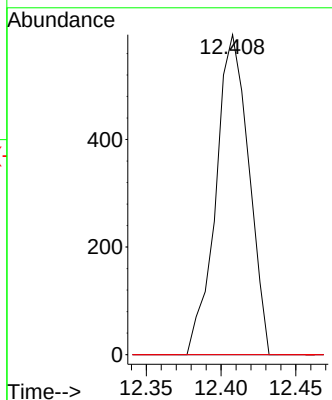
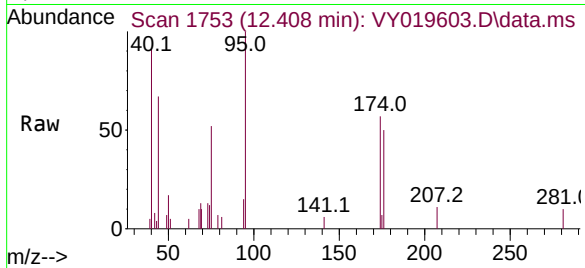




#81
trans-1,4-Dichloro-2-butene
Concen: 203.253 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

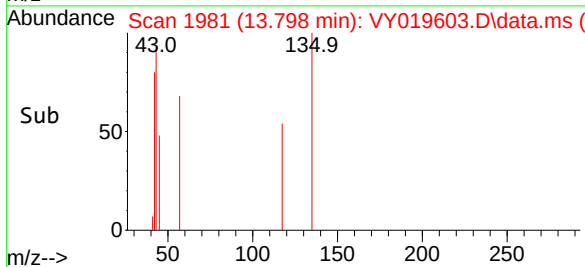
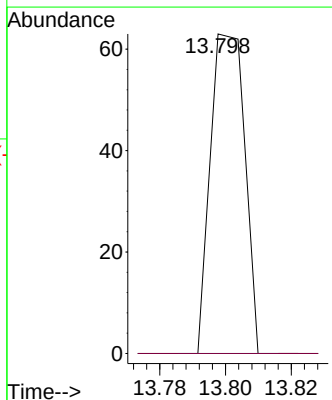
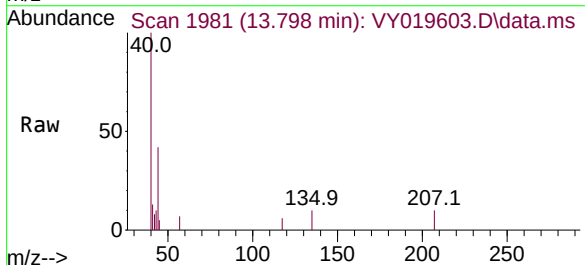
Instrument :
MSVOA_Y
ClientSampleId :

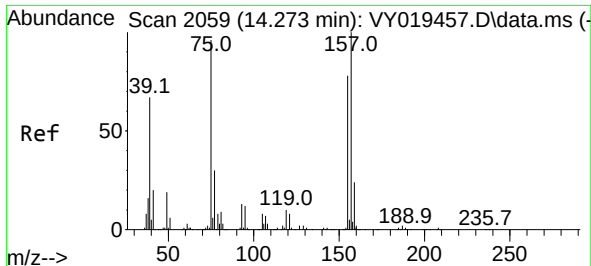
Tgt Ion: 75 Resp: 911
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 3.795 ug/l
RT: 13.798 min Scan# 1981
Delta R.T. -0.085 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 117 Resp: 46
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#

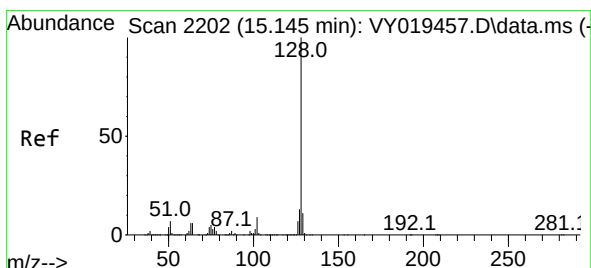
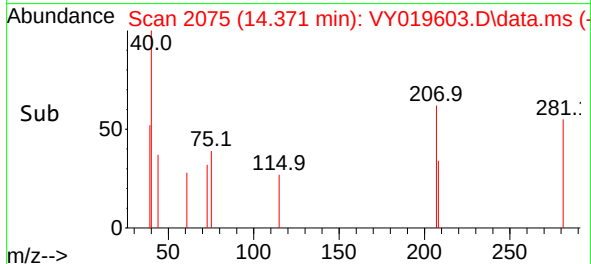
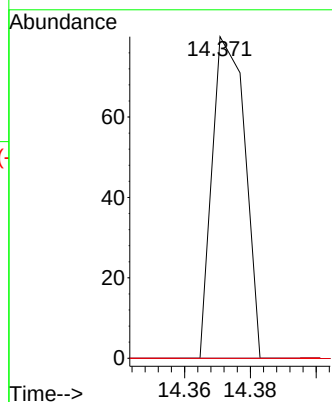
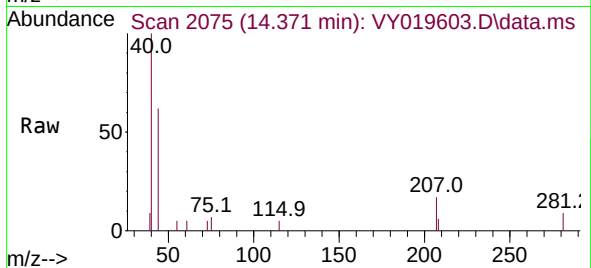




#92
1,2-Dibromo-3-Chloropropane
Concen: 27.918 ug/l
RT: 14.371 min Scan# 2059
Delta R.T. 0.098 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#95
Naphthalene
Concen: 2.436 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.007 min
Lab File: VY019603.D
Acq: 18 Sep 2024 14:11

Tgt Ion: 128 Resp: 76
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

