

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100424\
 Data File : VY019802.D
 Acq On : 04 Oct 2024 16:04
 Operator : SY/MD
 Sample : P4288-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 04 23:34:05 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)

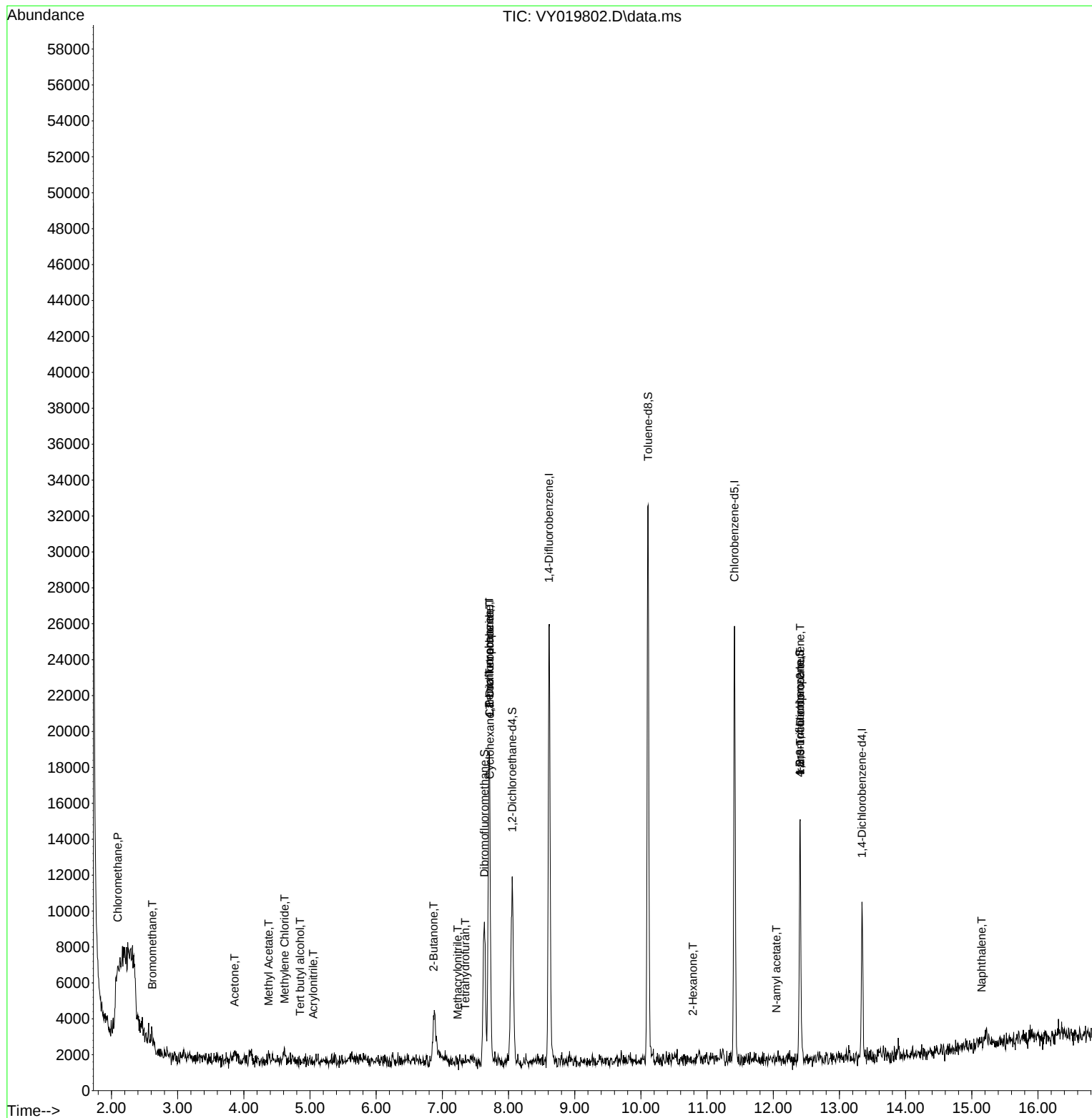
Internal Standards						
1) Pentafluorobenzene	7.707	168	12795	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.610	114	19400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	12876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	2041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	5929	50.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.080%	
35) Dibromofluoromethane	7.634	113	5980	54.366	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.740%	
50) Toluene-d8	10.109	98	20233	49.732	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	12.402	95	3949	25.244	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 50.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.092	50	189	1.785	ug/l	# 43
5) Bromomethane	2.617	94	218	3.100	ug/l	83
11) Tert butyl alcohol	4.848	59	62	6.480	ug/l	# 88
13) Acrolein	3.897	56	27	Below Cal	#	15
15) Acrylonitrile	5.049	53	48	1.738	ug/l	# 18
16) Acetone	3.860	43	1175	41.629	ug/l	# 71
18) Methyl Acetate	4.372	43	86	1.123	ug/l	# 46
20) Methylene Chloride	4.616	84	335	2.602	ug/l	# 32
25) 2-Butanone	6.866	43	173	4.309	ug/l	# 41
29) Tetrahydrofuran	7.348	42	53	2.171	ug/l	# 26
31) Cyclohexane	7.719	56	343	1.618	ug/l	# 50
36) 1,1-Dichloropropene	7.713	75	1349	9.013	ug/l	# 43
38) Carbon Tetrachloride	7.713	117	1550	9.183	ug/l	# 13
41) Methacrylonitrile	7.232	41	50	1.118	ug/l	# 33
59) 2-Hexanone	10.786	43	69	1.161	ug/l	# 19
74) N-amyl acetate	12.048	43	54	1.341	ug/l	# 37
76) 1,2,3-Trichloropropane	12.408	75	2194	114.688	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	2194	220.168	ug/l	# 16
95) Naphthalene	15.151	128	281	4.052	ug/l	# 69

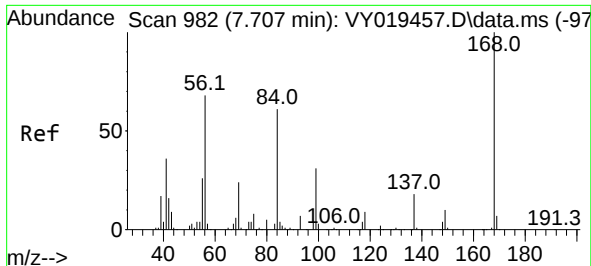
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

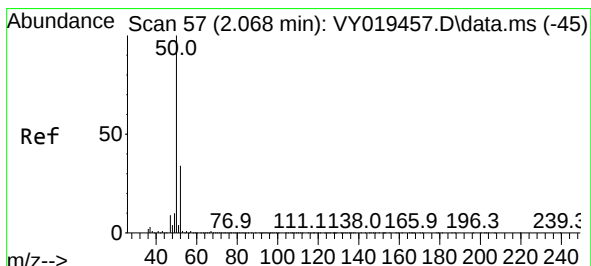
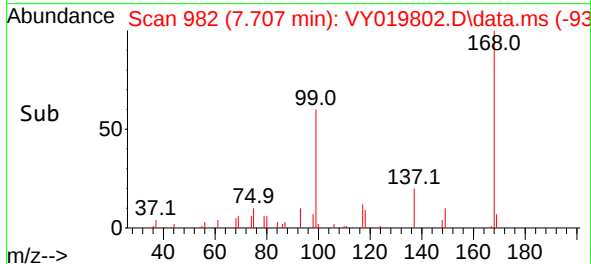
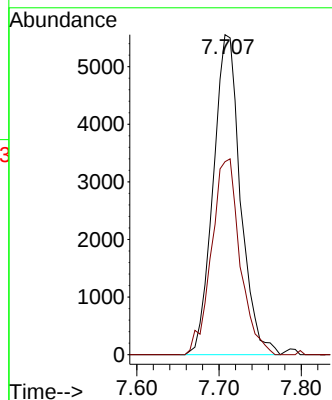
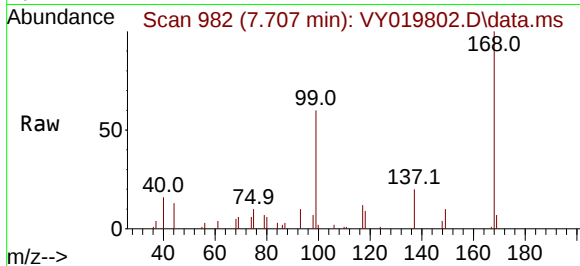




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

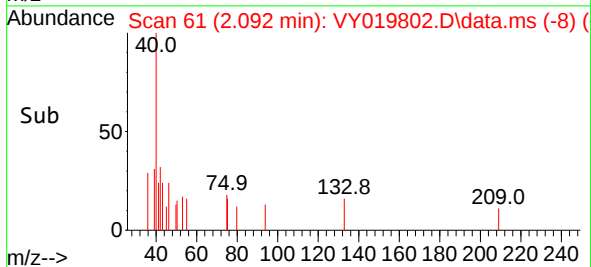
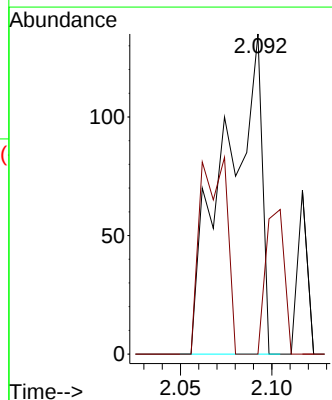
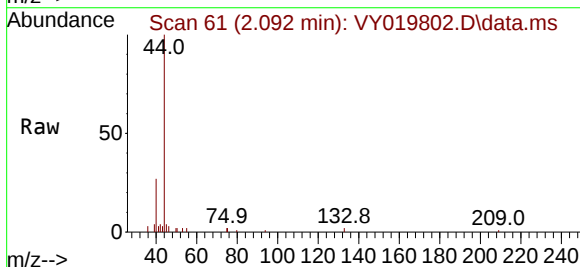
Instrument :
MSVOA_Y
ClientSampleId :

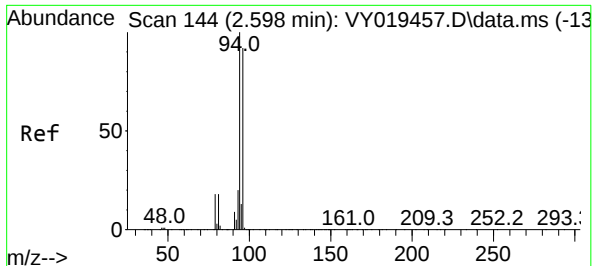
Tgt Ion:168 Resp: 12795
Ion Ratio Lower Upper
168 100
99 60.3 39.1 58.7#



#3
Chloromethane
Concen: 1.785 ug/l
RT: 2.092 min Scan# 61
Delta R.T. 0.025 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

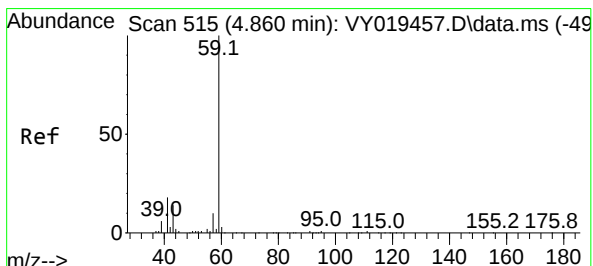
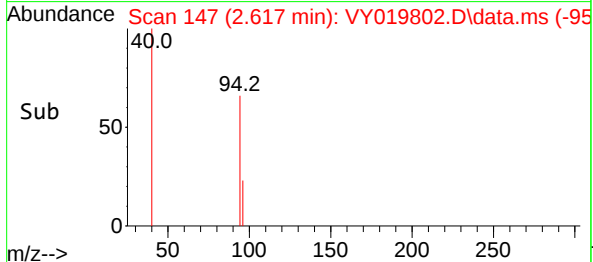
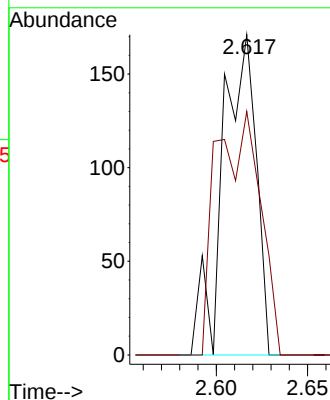
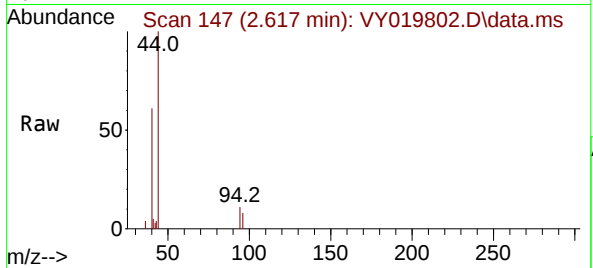




#5
Bromomethane
Concen: 3.100 ug/l
RT: 2.617 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

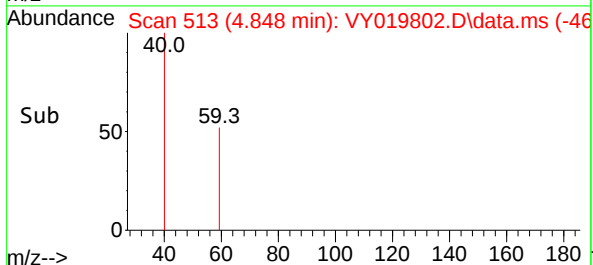
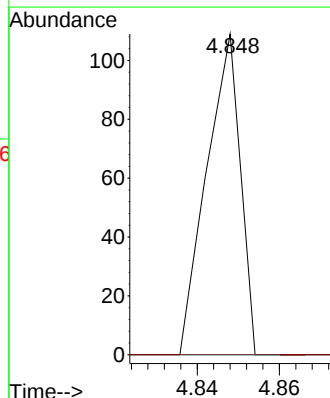
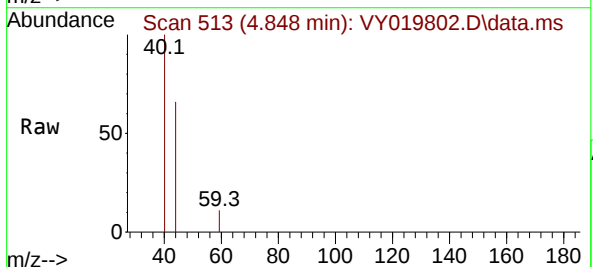
Instrument :
MSVOA_Y
ClientSampleId :

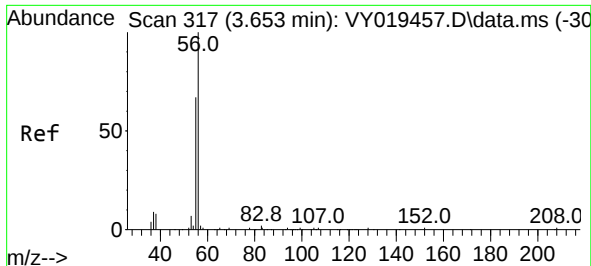
Tgt Ion: 94 Resp: 218
Ion Ratio Lower Upper
94 100
96 76.0 74.1 111.1



#11
Tert butyl alcohol
Concen: 6.480 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

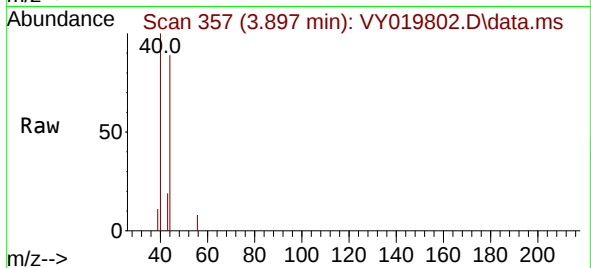
Tgt Ion: 59 Resp: 62
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



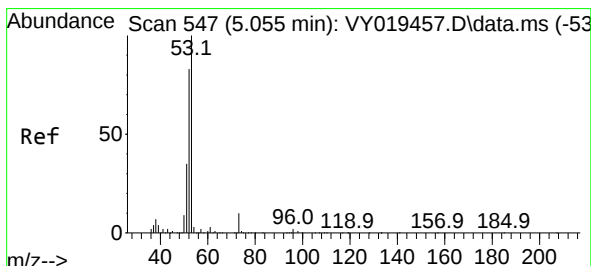
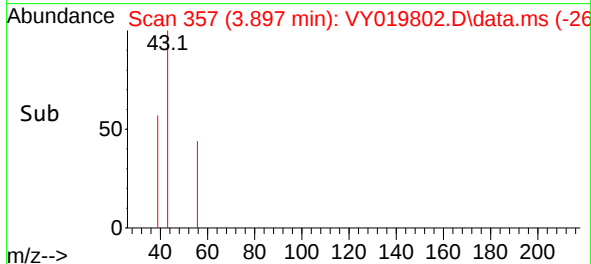
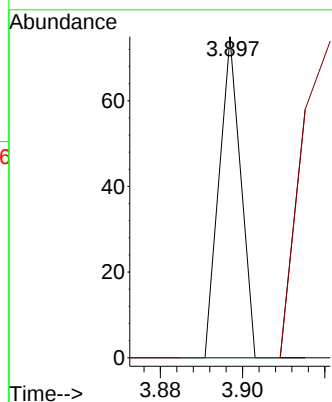


#13
Acrolein
Concen: Below Cal
RT: 3.897 min Scan# 317
Delta R.T. 0.244 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

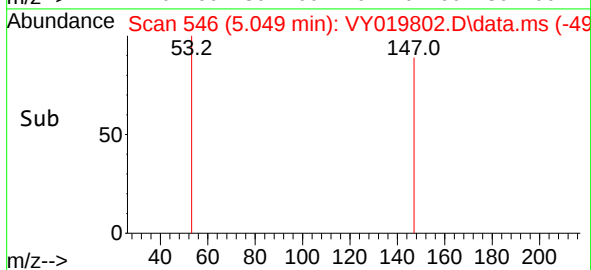
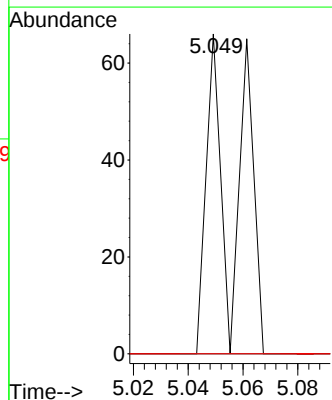
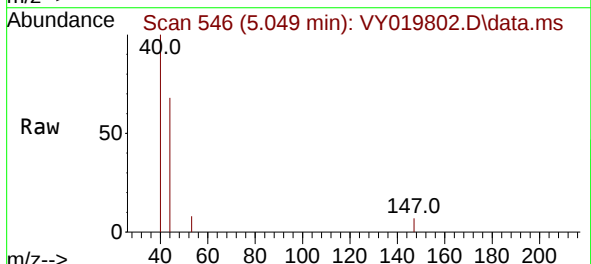


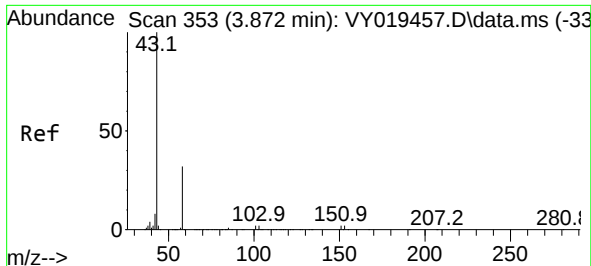
Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 1.738 ug/l
RT: 5.049 min Scan# 546
Delta R.T. -0.006 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#

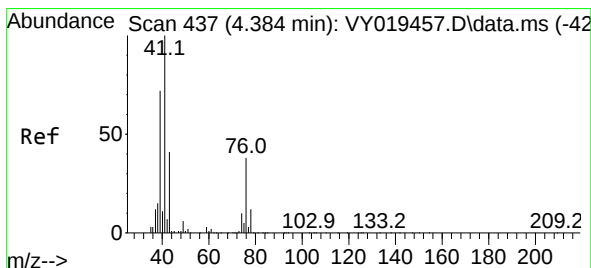
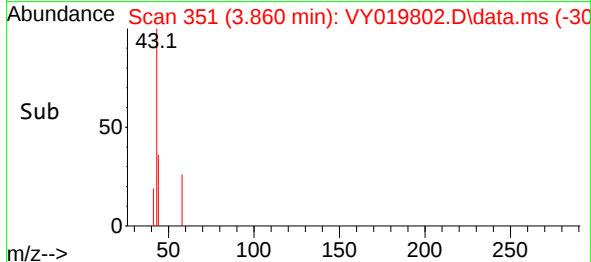
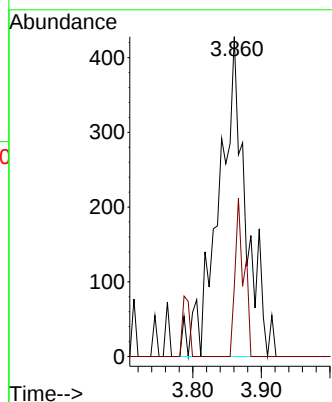
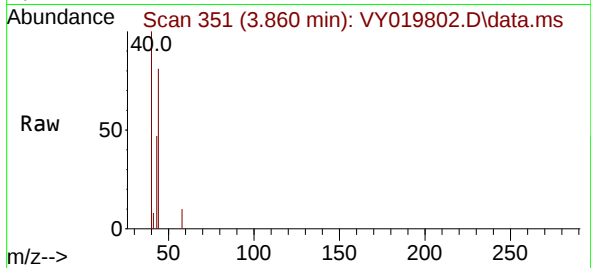




#16
Acetone
Concen: 41.629 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

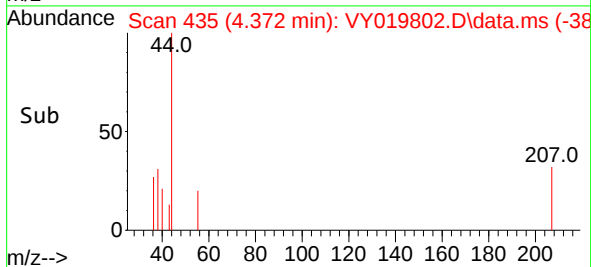
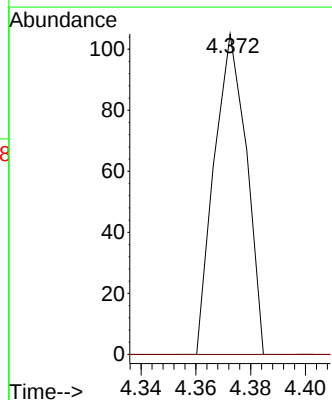
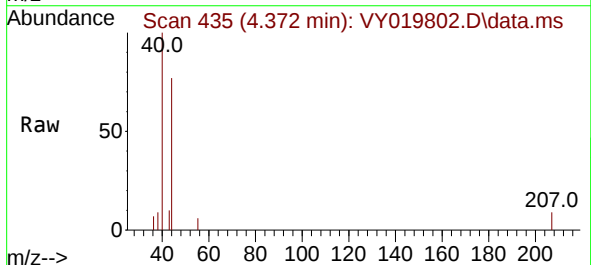
Instrument :
MSVOA_Y
ClientSampleId :

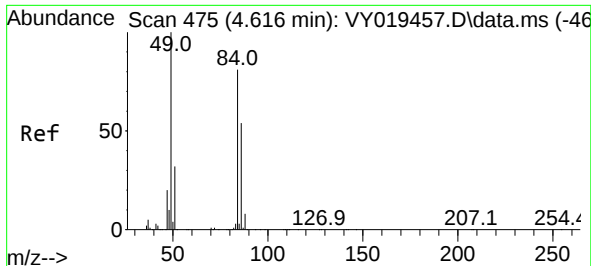
Tgt Ion: 43 Resp: 1175
Ion Ratio Lower Upper
43 100
58 21.7 31.7 47.5#



#18
Methyl Acetate
Concen: 1.123 ug/l
RT: 4.372 min Scan# 435
Delta R.T. -0.012 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

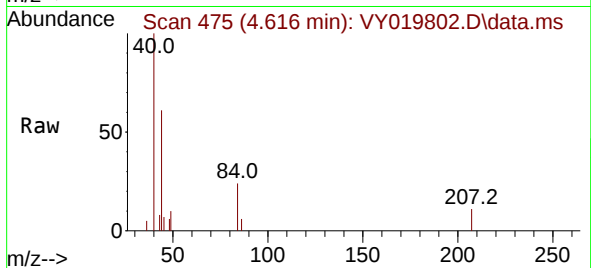
Tgt Ion: 43 Resp: 86
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



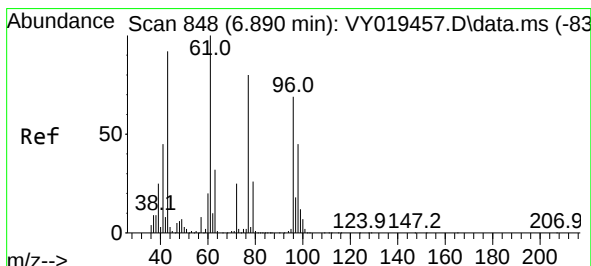
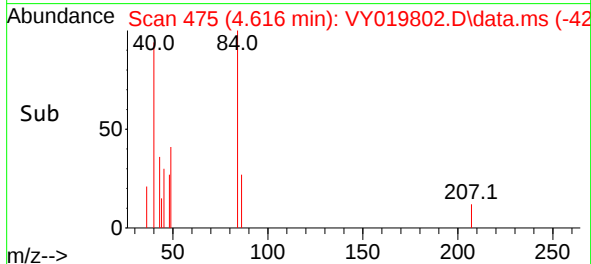
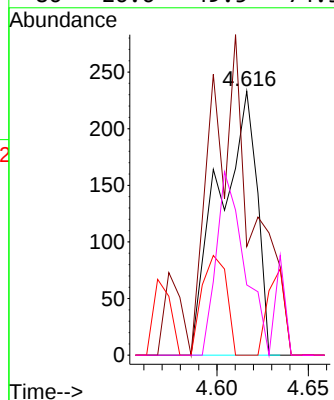


#20
Methylene Chloride
Concen: 2.602 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

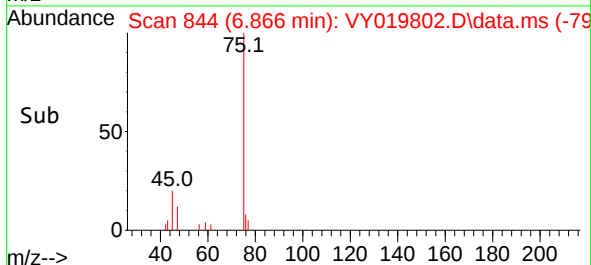
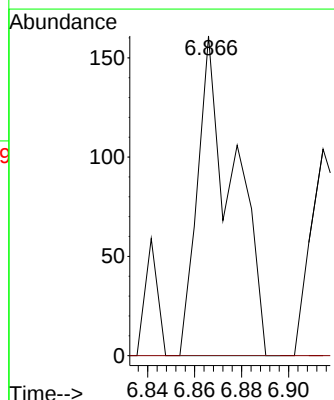
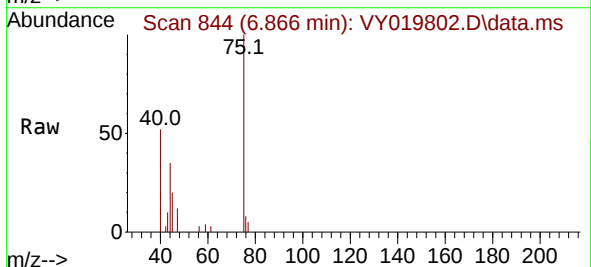


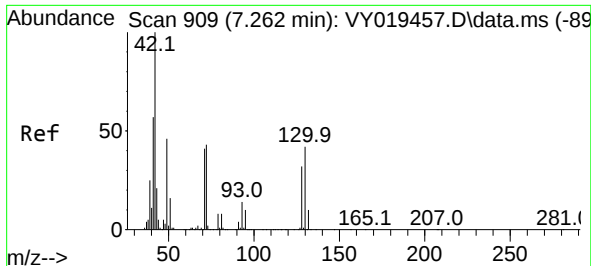
Tgt Ion:	84	Resp:	335
Ion	Ratio	Lower	Upper
84	100		
49	19.3	84.4	126.6#
51	0.0	26.0	39.0#
86	26.6	49.5	74.3#



#25
2-Butanone
Concen: 4.309 ug/l
RT: 6.866 min Scan# 844
Delta R.T. -0.024 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion:	43	Resp:	173
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 2.171 ug/l

RT: 7.348 min Scan# 91

Delta R.T. 0.086 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

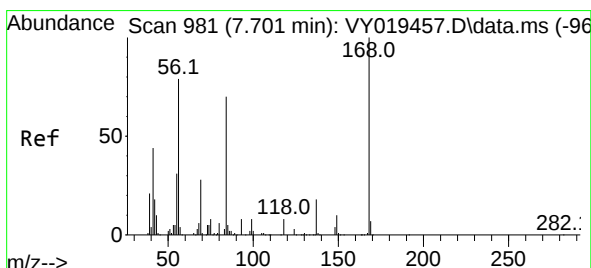
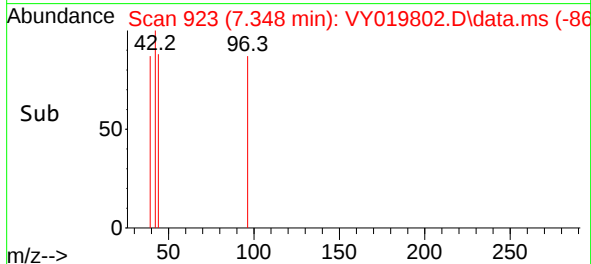
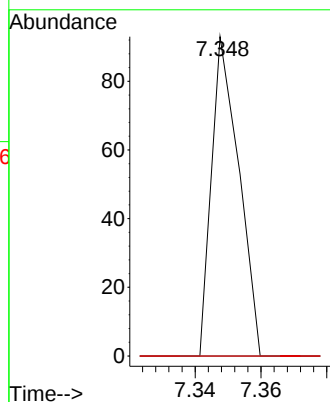
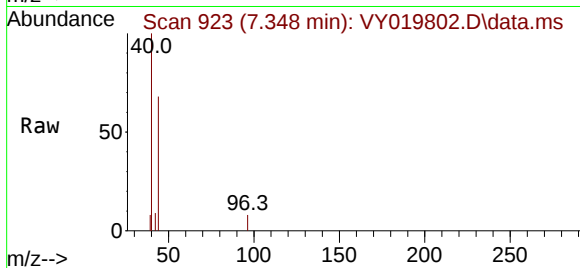
Tgt Ion: 42 Resp: 53

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: 1.618 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.019 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

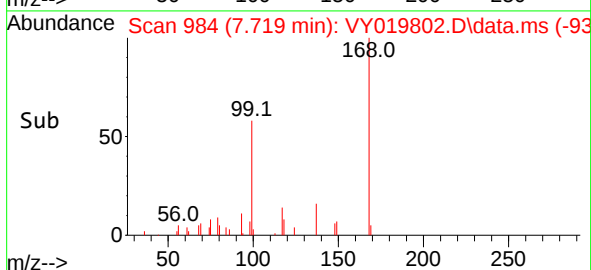
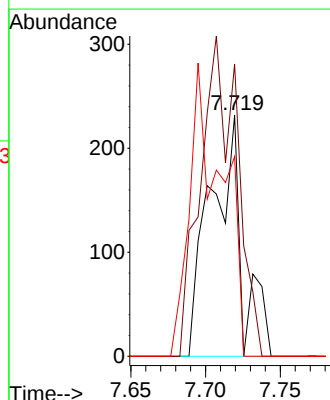
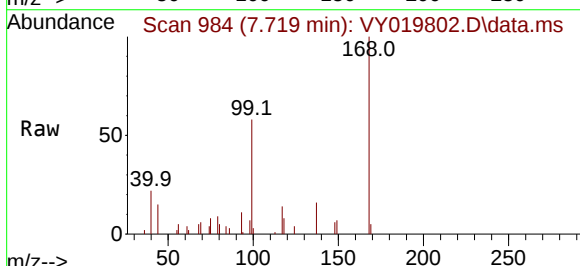
Tgt Ion: 56 Resp: 343

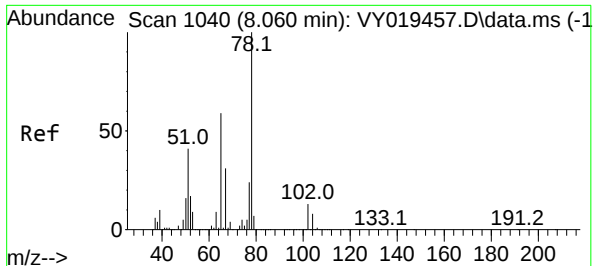
Ion Ratio Lower Upper

56 100

69 121.1 28.7 43.1#

84 82.8 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 50.043 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

Instrument :

MSVOA_Y

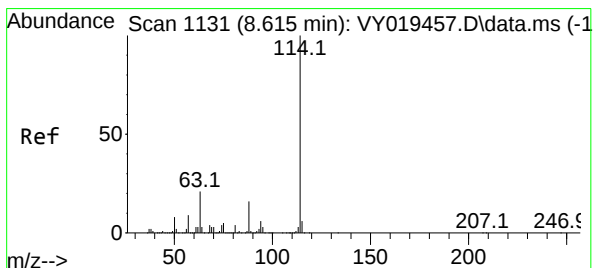
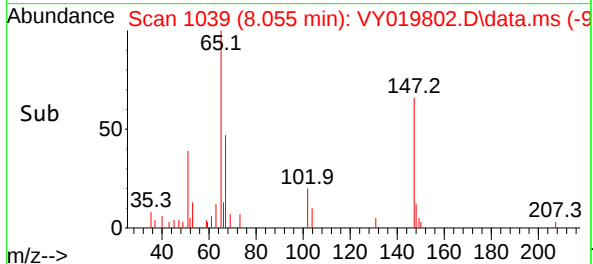
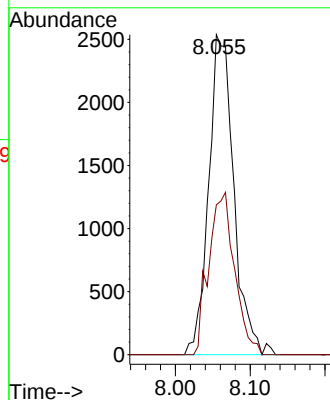
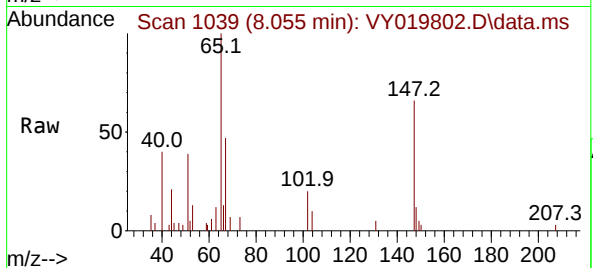
ClientSampleId :

Tgt Ion: 65 Resp: 5929

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

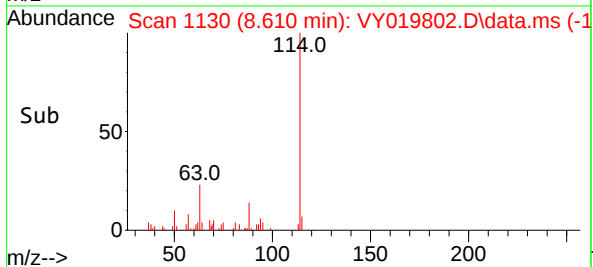
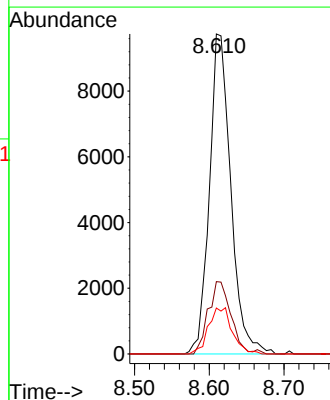
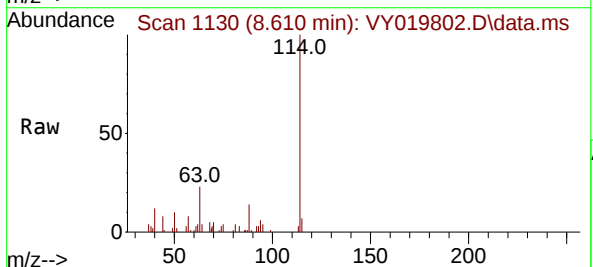
Tgt Ion: 114 Resp: 19400

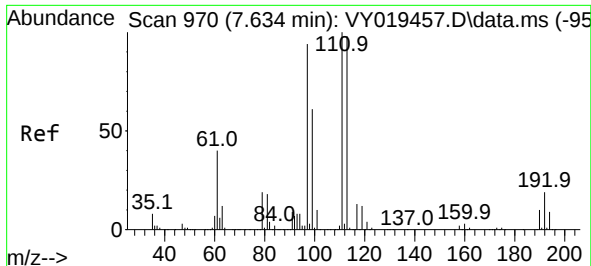
Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

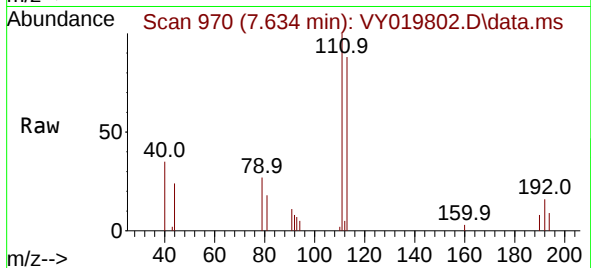
88 14.3 0.0 27.2



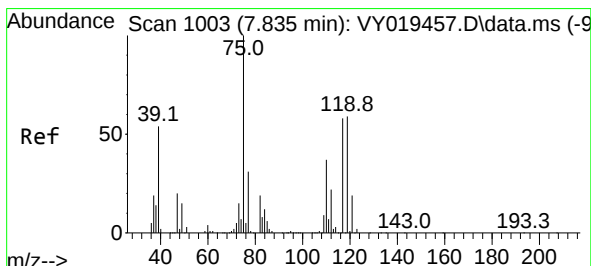
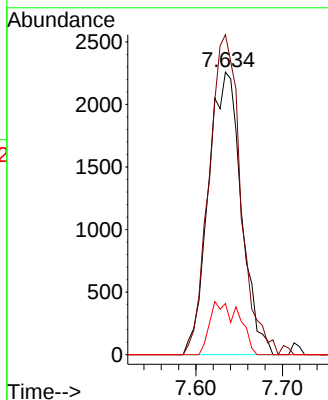
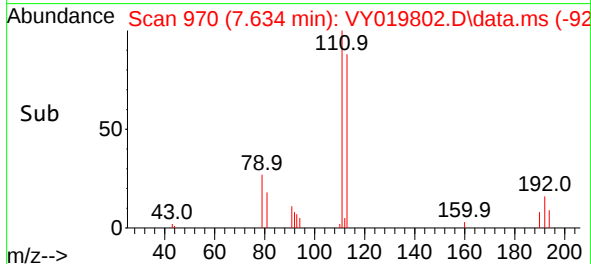


#35
Dibromofluoromethane
Concen: 54.366 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

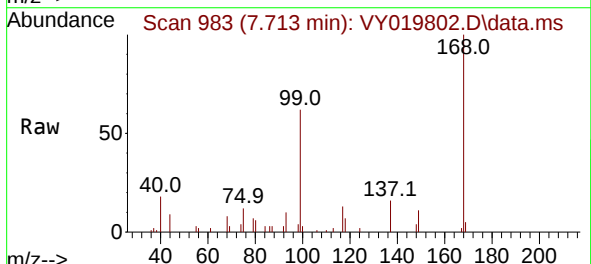
Instrument :
MSVOA_Y
ClientSampleId :



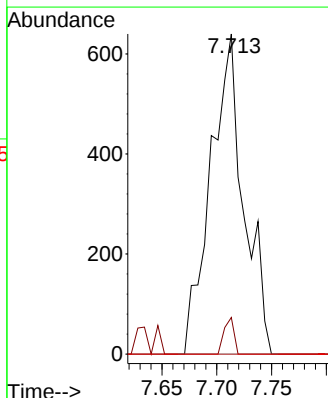
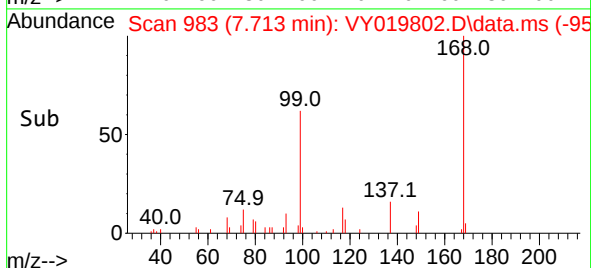
Tgt Ion:113 Resp: 5980
Ion Ratio Lower Upper
113 100
111 108.9 82.2 123.4
192 16.6 15.9 23.9

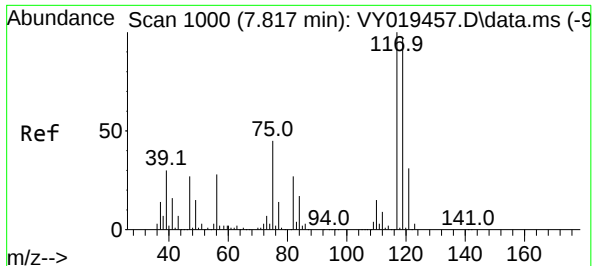


#36
1,1-Dichloropropene
Concen: 9.013 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04



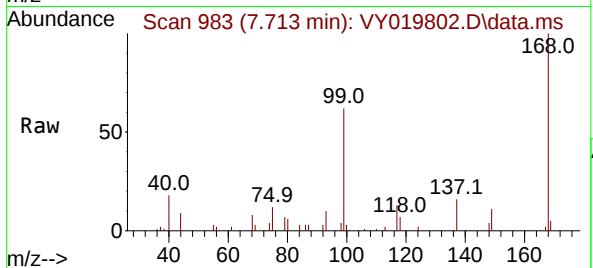
Tgt Ion: 75 Resp: 1349
Ion Ratio Lower Upper
75 100
110 3.4 19.0 57.0#
77 0.0 25.3 37.9#



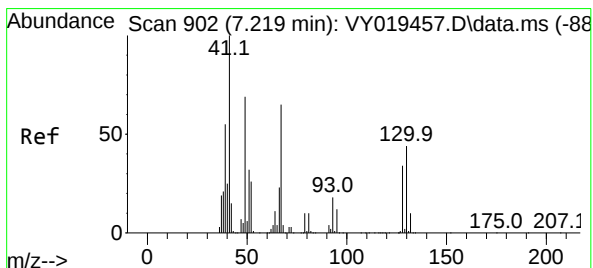
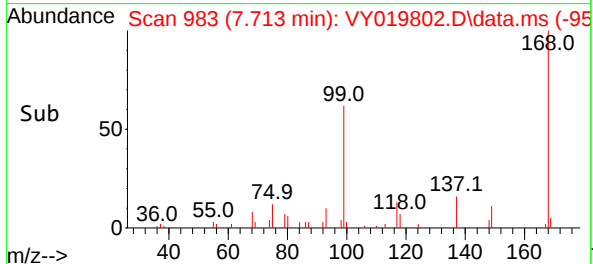
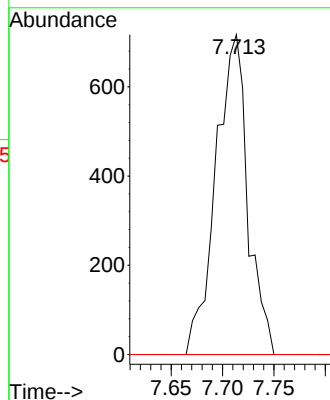


#38
Carbon Tetrachloride
Concen: 9.183 ug/l
RT: 7.713 min Scan# 904
Delta R.T. -0.103 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

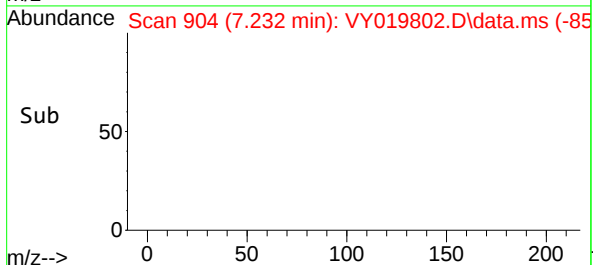
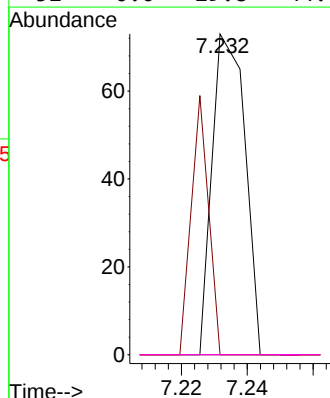
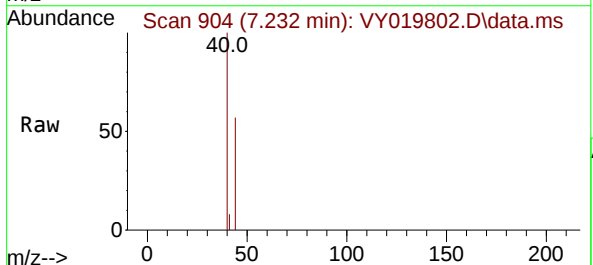


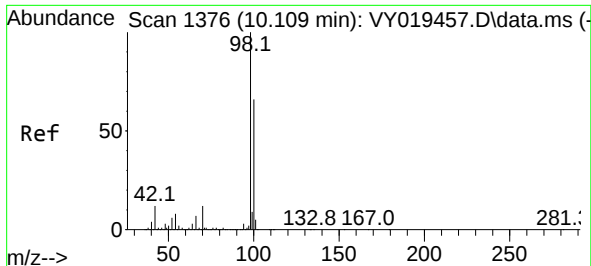
Tgt Ion:117 Resp: 1550
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 1.118 ug/l
RT: 7.232 min Scan# 904
Delta R.T. 0.013 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion: 41 Resp: 50
Ion Ratio Lower Upper
41 100
39 44.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

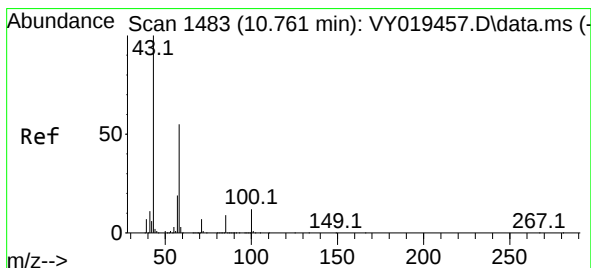
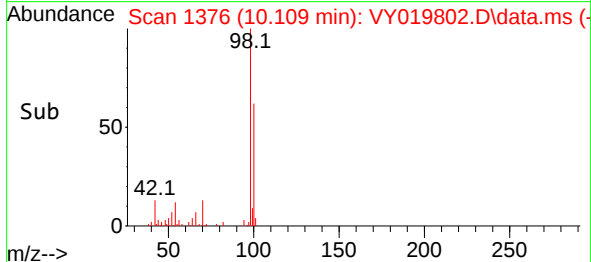
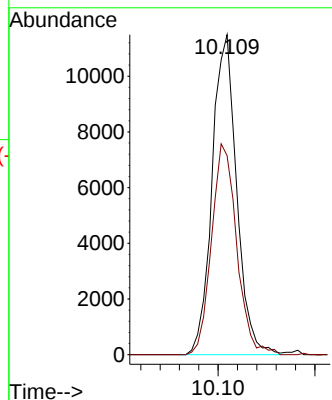
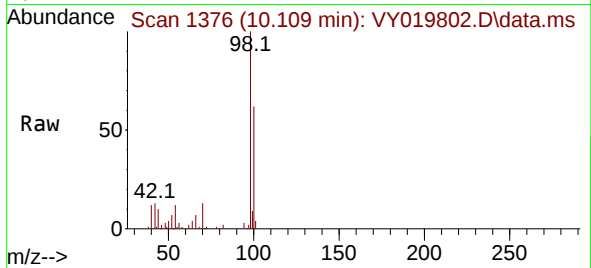




#50
Toluene-d8
Concen: 49.732 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

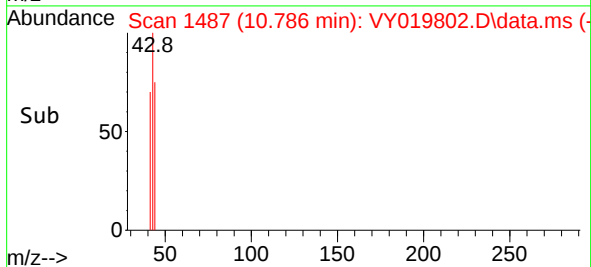
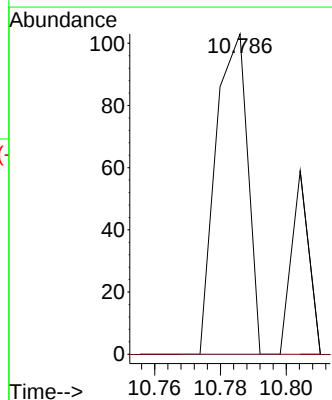
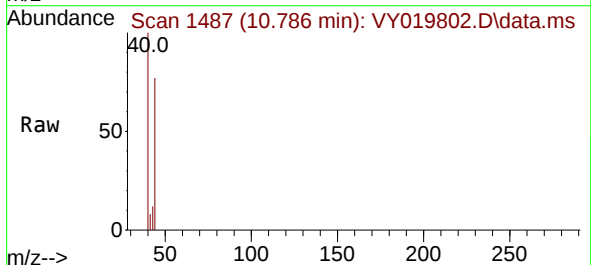
Instrument :
MSVOA_Y
ClientSampleId :

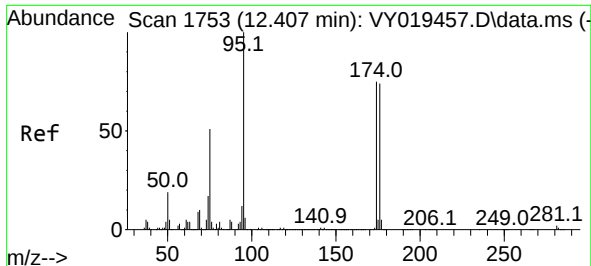
Tgt Ion: 98 Resp: 20233
Ion Ratio Lower Upper
98 100
100 67.6 52.0 78.0



#59
2-Hexanone
Concen: 1.161 ug/l
RT: 10.786 min Scan# 1487
Delta R.T. 0.025 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

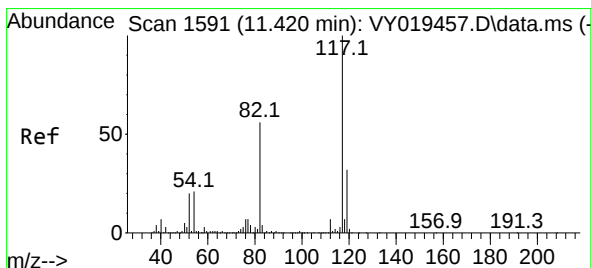
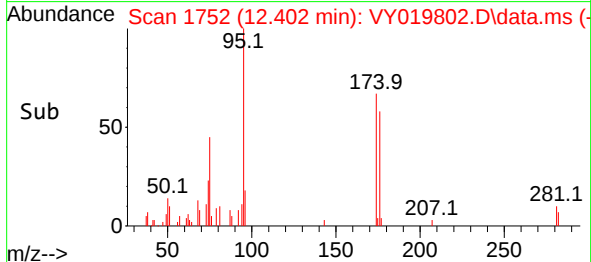
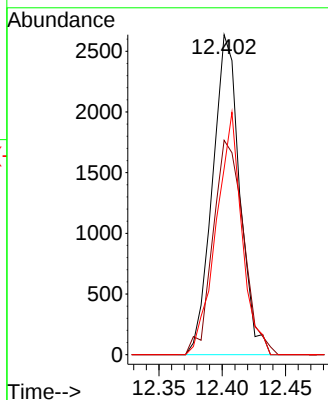
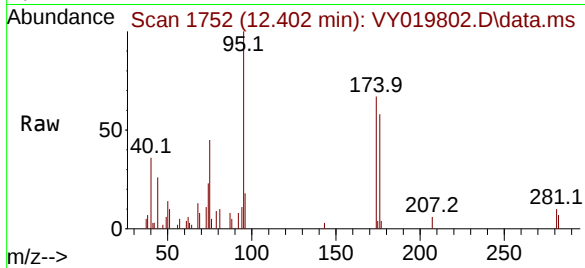




#62
4-Bromofluorobenzene
Concen: 25.244 ug/l
RT: 12.402 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

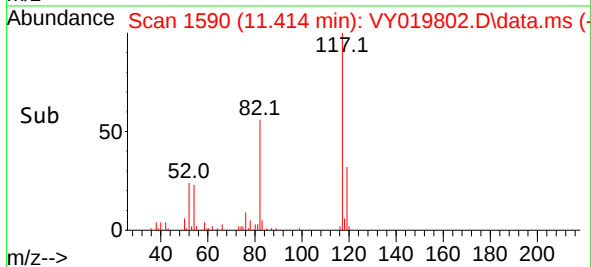
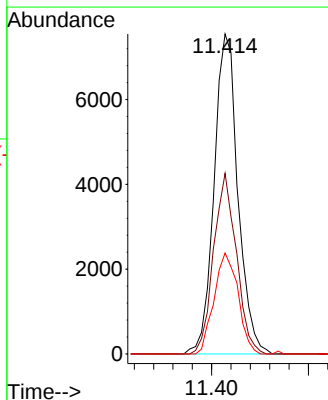
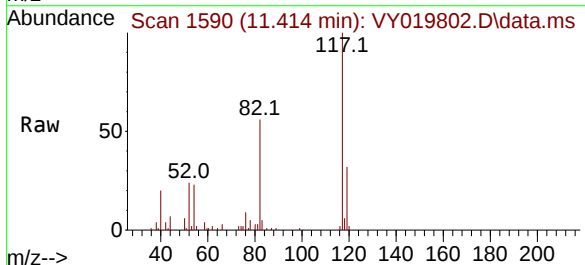
Instrument :
MSVOA_Y
ClientSampleId :

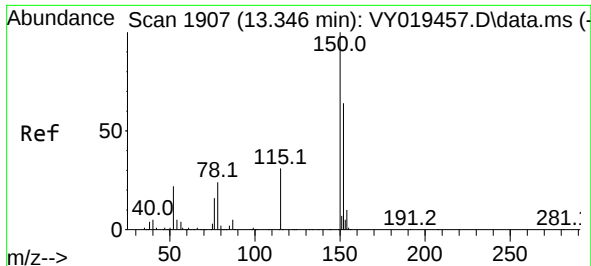
Tgt Ion: 95 Resp: 3949
Ion Ratio Lower Upper
95 100
174 75.1 0.0 175.6
176 71.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019802.D
Acq: 04 Oct 2024 16:04

Tgt Ion: 117 Resp: 12876
Ion Ratio Lower Upper
117 100
82 56.4 42.4 63.6
119 31.6 25.9 38.9

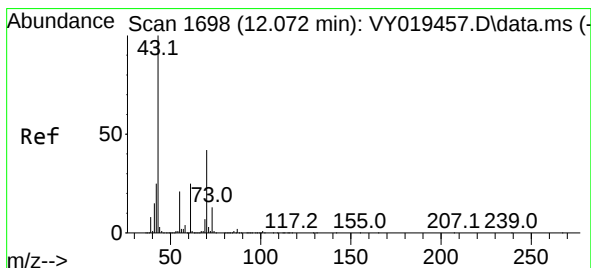
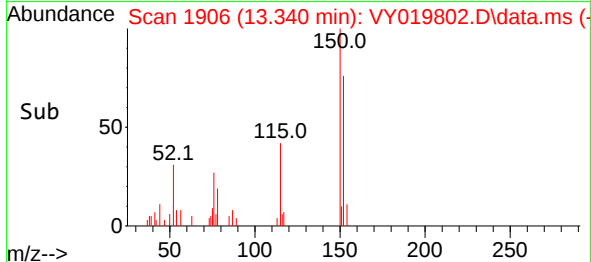
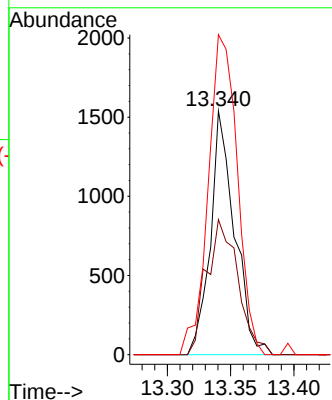
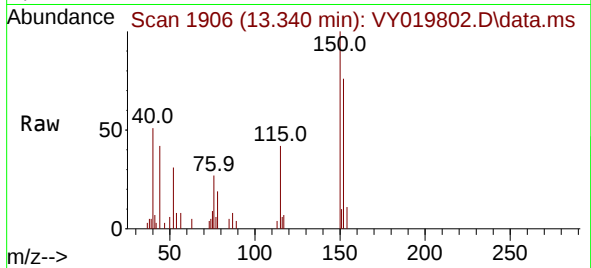




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1907
 Delta R.T. -0.006 min
 Lab File: VY019802.D
 Acq: 04 Oct 2024 16:04

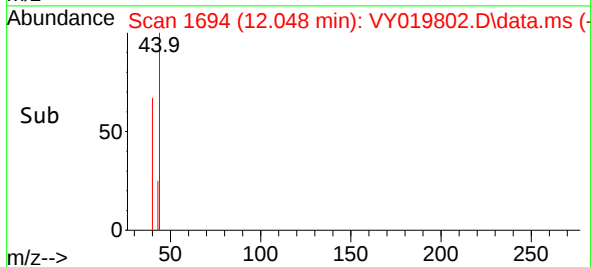
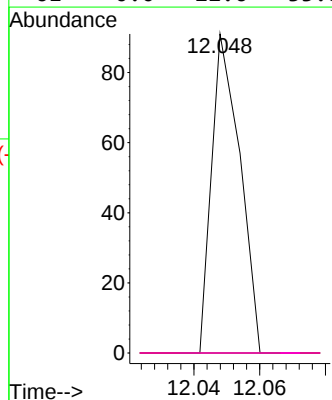
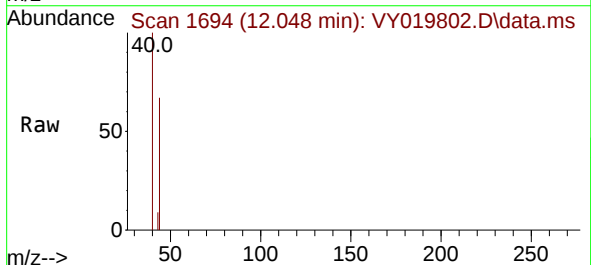
Instrument :
 MSVOA_Y
 ClientSampleId :

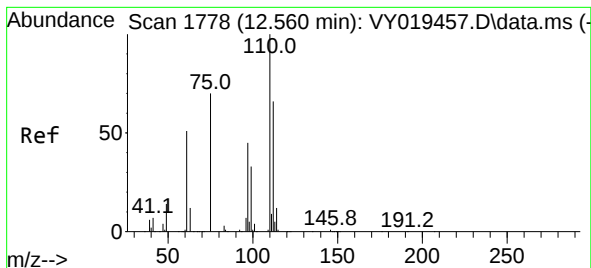
Tgt Ion:152 Resp: 2041
 Ion Ratio Lower Upper
 152 100
 115 72.2 28.2 84.7
 150 158.4 0.0 345.6



#74
 N-ethyl acetate
 Concen: 1.341 ug/l
 RT: 12.048 min Scan# 1694
 Delta R.T. -0.024 min
 Lab File: VY019802.D
 Acq: 04 Oct 2024 16:04

Tgt Ion: 43 Resp: 54
 Ion Ratio Lower Upper
 43 100
 70 0.0 41.4 62.2#
 55 0.0 23.3 34.9#
 61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 114.688 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

Instrument :

MSVOA_Y

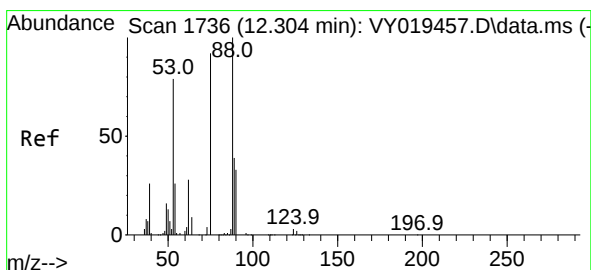
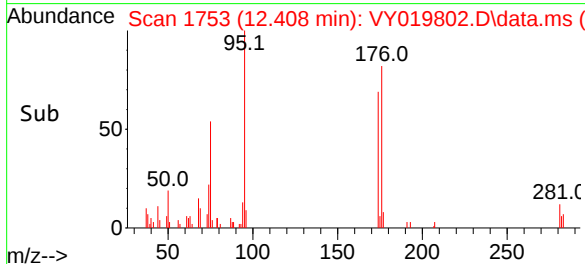
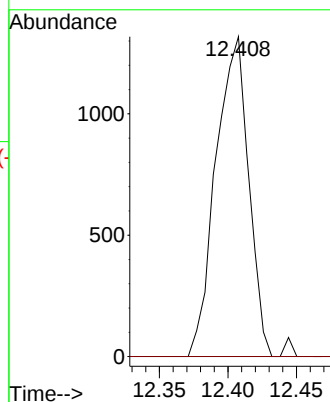
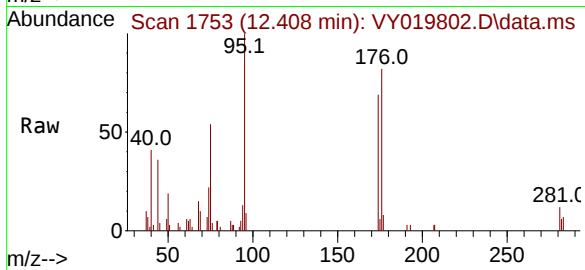
ClientSampleId :

Tgt Ion: 75 Resp: 2194

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 220.168 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019802.D

Acq: 04 Oct 2024 16:04

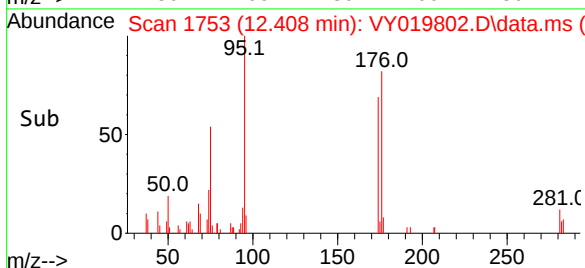
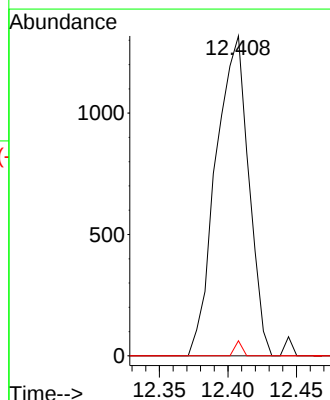
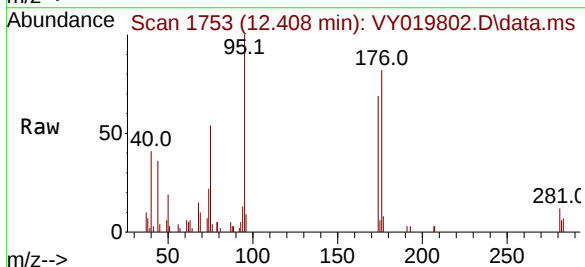
Tgt Ion: 75 Resp: 2194

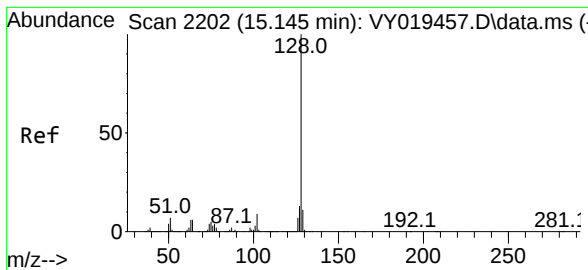
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

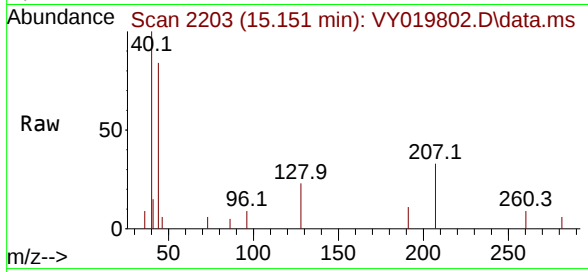
89 1.0 35.8 53.6#





#95
 Naphthalene
 Concen: 4.052 ug/l
 RT: 15.151 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY019802.D
 Acq: 04 Oct 2024 16:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	281
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

