

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
 Data File : VY019752.D
 Acq On : 01 Oct 2024 19:31
 Operator : SY/MD
 Sample : P4236-10
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 02 03:19:32 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)

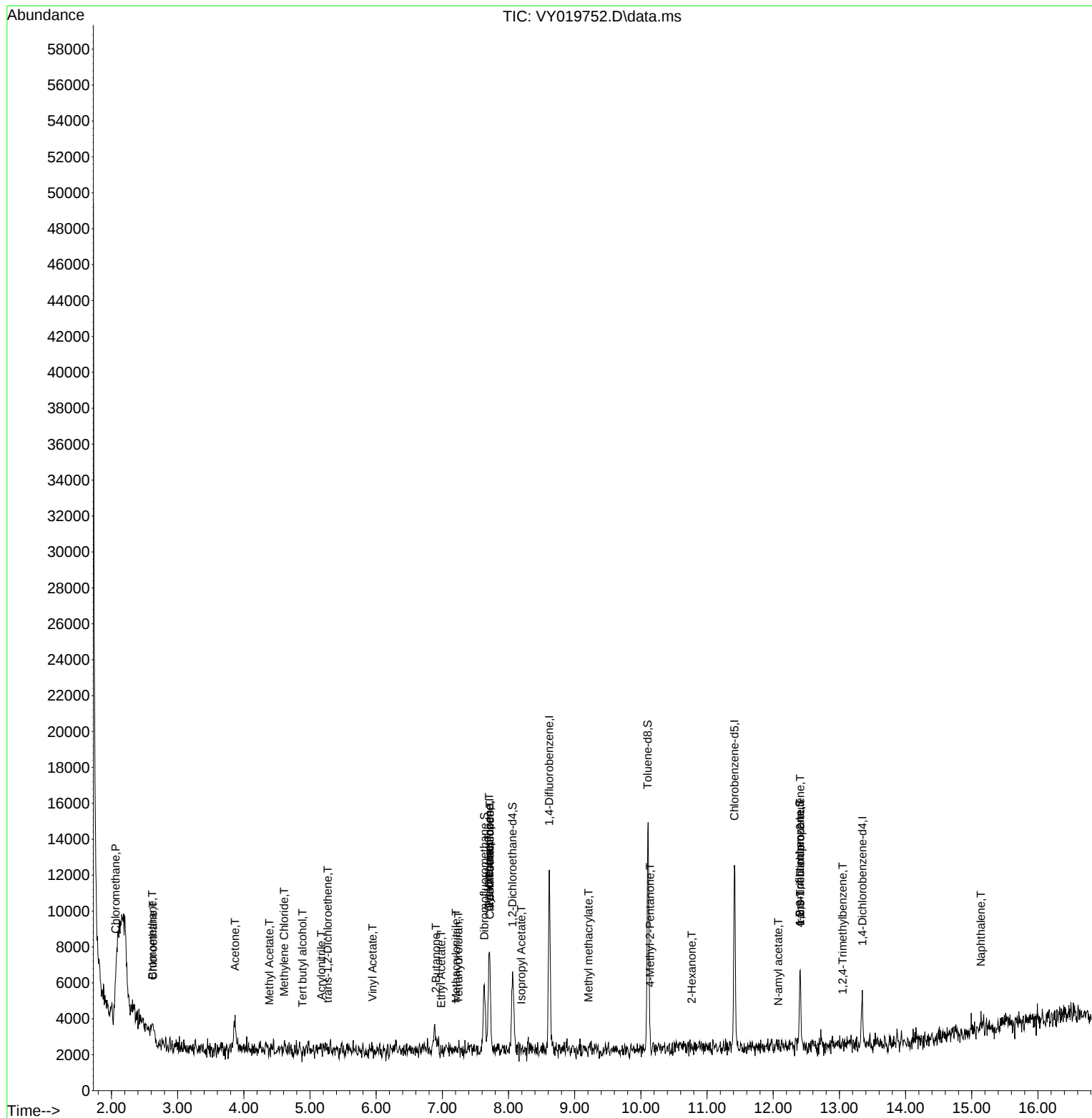
Internal Standards						
1) Pentafluorobenzene	7.713	168	4059	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	8234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	5677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	3580	95.250	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 190.500%#			
35) Dibromofluoromethane	7.634	113	2863	61.326	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 122.660%			
50) Toluene-d8	10.103	98	8382	48.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.402	95	1581	23.812	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 47.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.080	85	21	Below Cal	#	43
3) Chloromethane	2.062	50	196	5.836	ug/l #	43
5) Bromomethane	2.617	94	181	8.115	ug/l	85
6) Chloroethane	2.629	64	26	1.095	ug/l #	42
11) Tert butyl alcohol	4.885	59	19	6.260	ug/l #	88
13) Acrolein	3.556	56	19	Below Cal	#	15
15) Acrylonitrile	5.171	53	24	2.739	ug/l #	18
16) Acetone	3.867	43	3260	364.076	ug/l	96
18) Methyl Acetate	4.385	43	64	2.634	ug/l #	46
20) Methylene Chloride	4.610	84	203	4.971	ug/l #	75
21) trans-1,2-Dichloroethene	5.269	96	106	2.685	ug/l #	1
23) Vinyl Acetate	5.945	43	177	2.337	ug/l #	67
25) 2-Butanone	6.903	43	137	10.758	ug/l #	41
29) Tetrahydrofuran	7.244	42	125	16.143	ug/l #	26
31) Cyclohexane	7.701	56	79	1.174	ug/l #	74
36) 1,1-Dichloropropene	7.707	75	437	6.879	ug/l #	40
37) Ethyl Acetate	6.982	43	70	2.151	ug/l #	67
38) Carbon Tetrachloride	7.720	117	469	6.547	ug/l #	13
41) Methacrylonitrile	7.207	41	72	3.795	ug/l #	1
43) Isopropyl Acetate	8.195	43	97	1.418	ug/l #	47
48) Methyl methacrylate	9.207	41	75	2.323	ug/l #	1
51) 4-Methyl-2-Pentanone	10.140	43	135	3.924	ug/l	87
59) 2-Hexanone	10.768	43	140	5.551	ug/l #	19
74) N-amyl acetate	12.078	43	65	3.809	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	933	115.078	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	933	220.916	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.048	105	52	1.030	ug/l #	30
95) Naphthalene	15.139	128	237	8.063	ug/l #	69

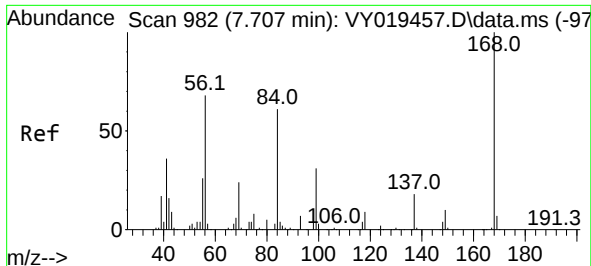
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100124\
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Quant Time: Oct 02 03:19:32 2024
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QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

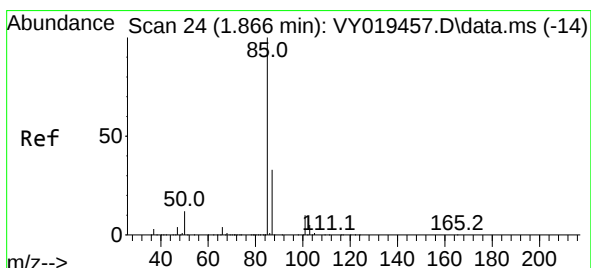
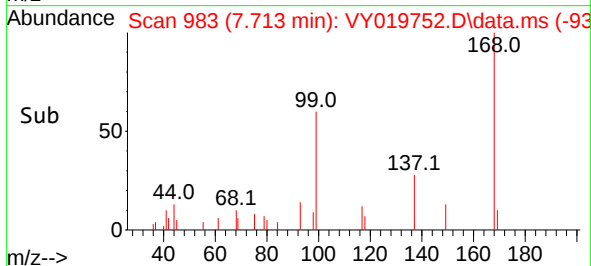
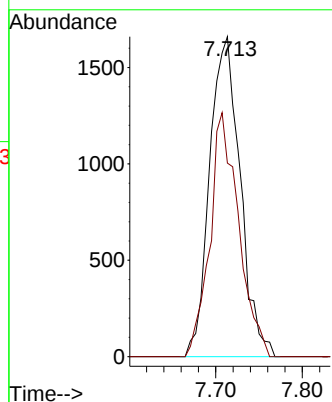
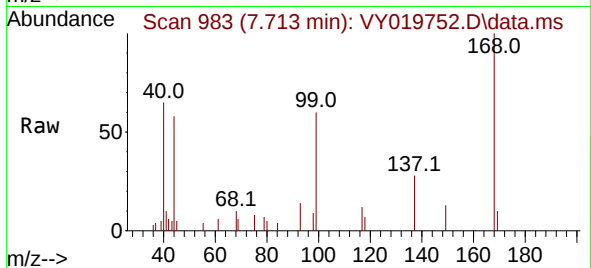




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

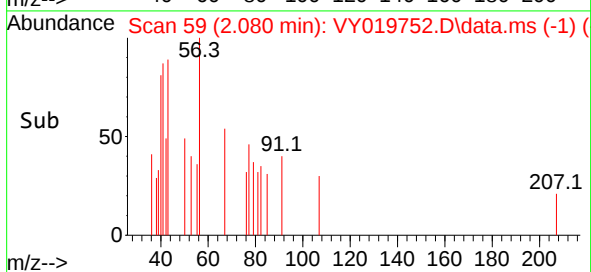
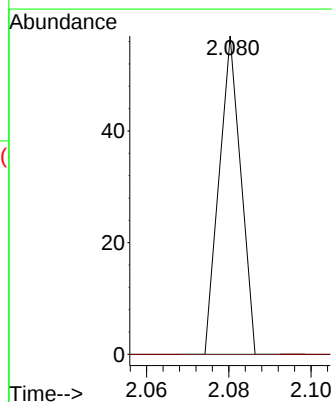
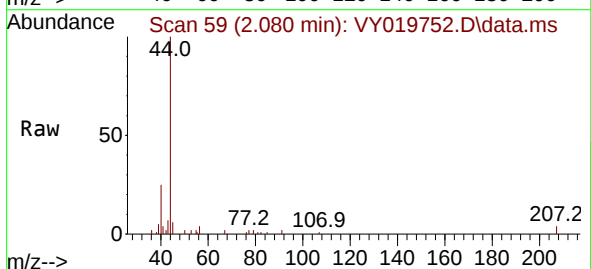
Instrument :
MSVOA_Y
ClientSampleId :

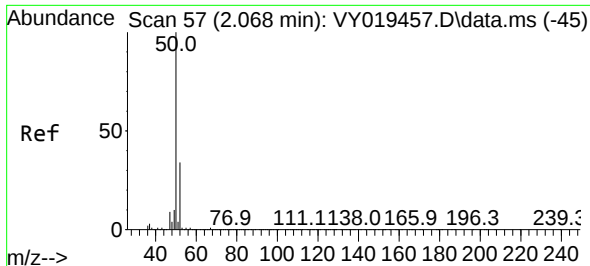
Tgt Ion:168 Resp: 4059
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.080 min Scan# 59
Delta R.T. 0.214 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 85 Resp: 21
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

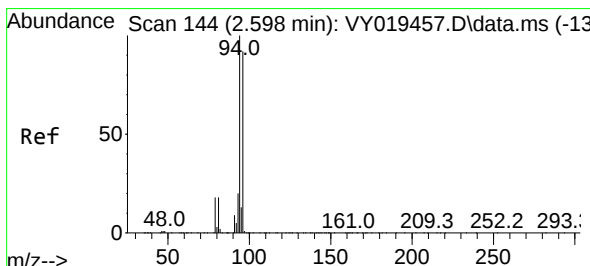
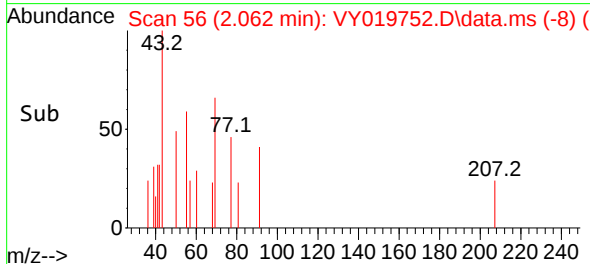
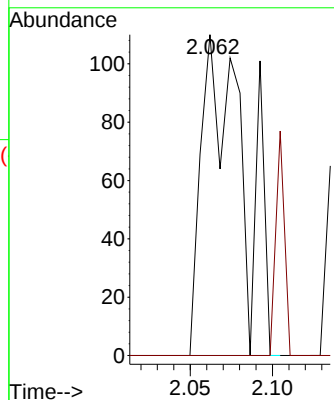
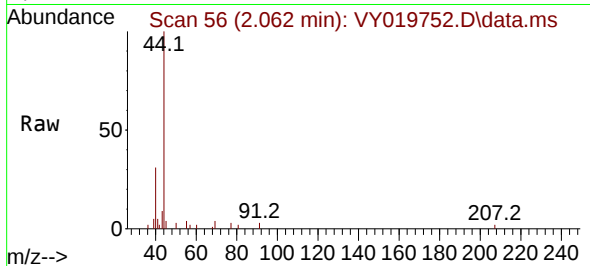




#3
Chloromethane
Concen: 5.836 ug/l
RT: 2.062 min Scan# 50
Delta R.T. -0.006 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

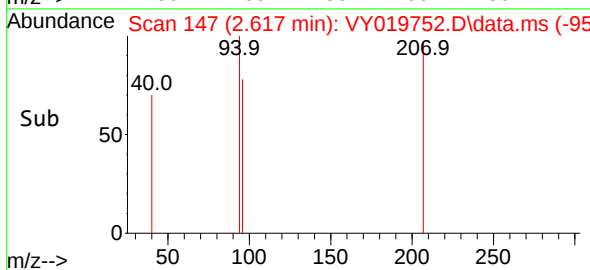
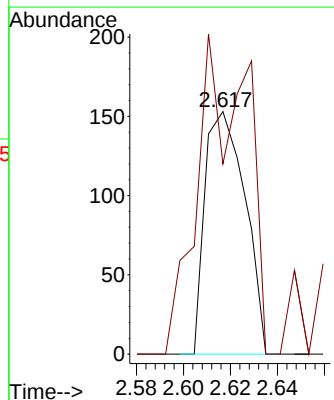
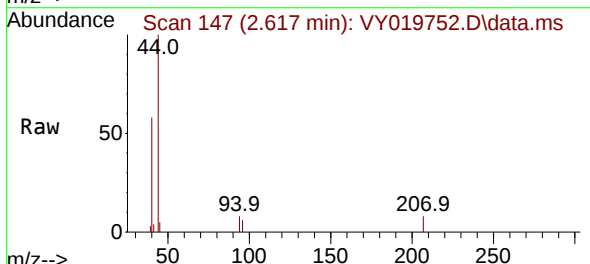
Instrument :
MSVOA_Y
ClientSampleId :

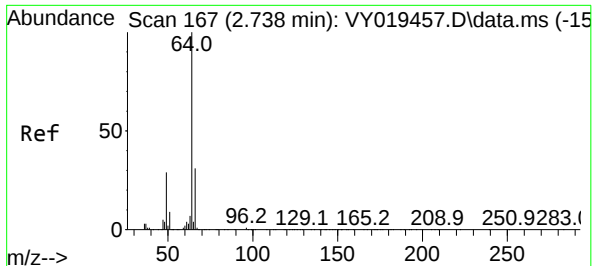
Tgt Ion: 50 Resp: 196
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



#5
Bromomethane
Concen: 8.115 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.019 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 78.4 74.1 111.1

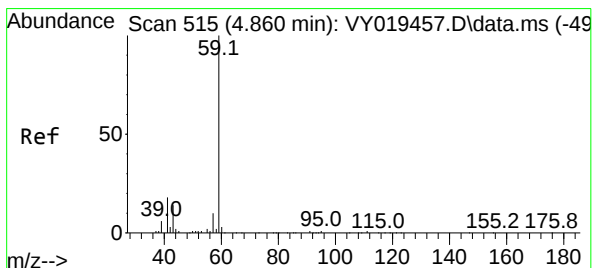
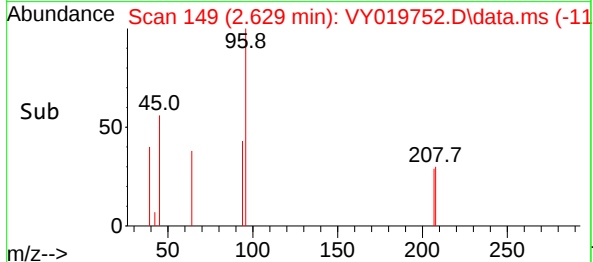
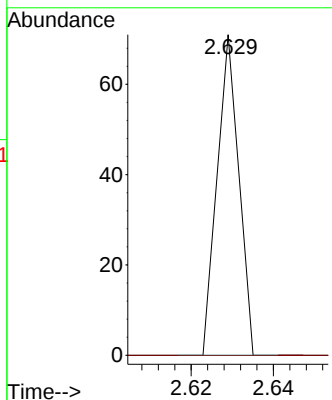
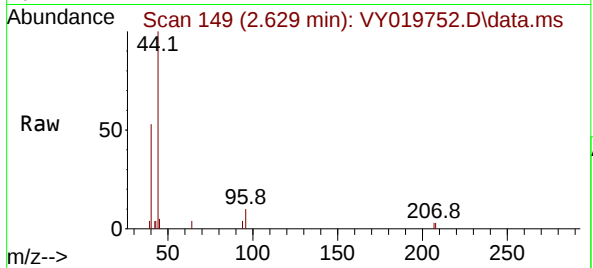




#6
Chloroethane
Concen: 1.095 ug/l
RT: 2.629 min Scan# 149
Delta R.T. -0.109 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

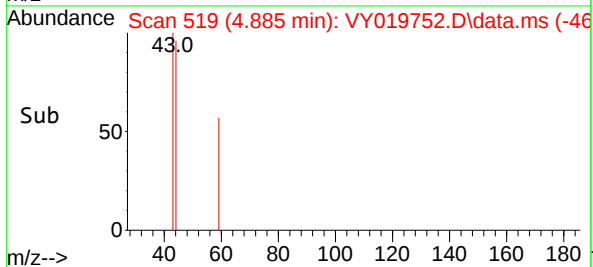
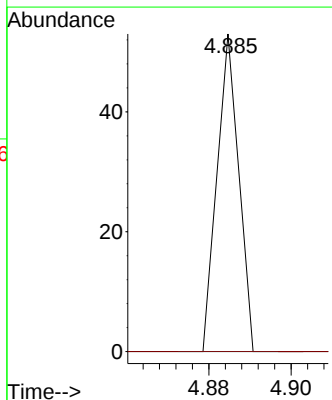
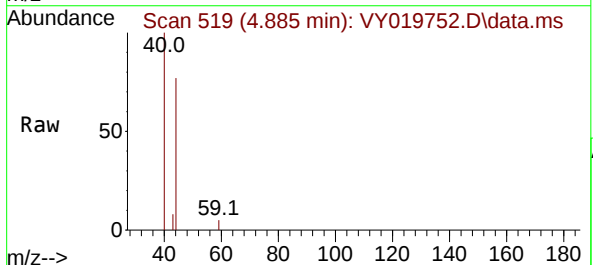
Instrument :
MSVOA_Y
ClientSampleId :

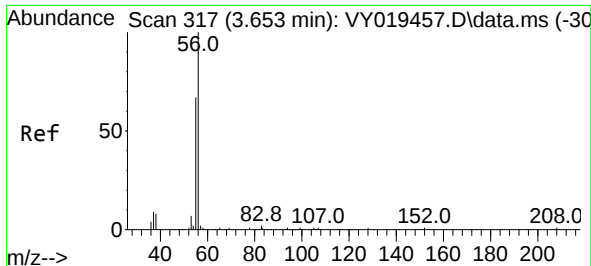
Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#11
Tert butyl alcohol
Concen: 6.260 ug/l
RT: 4.885 min Scan# 519
Delta R.T. 0.025 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

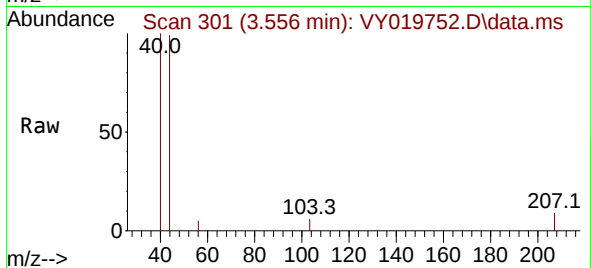
Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



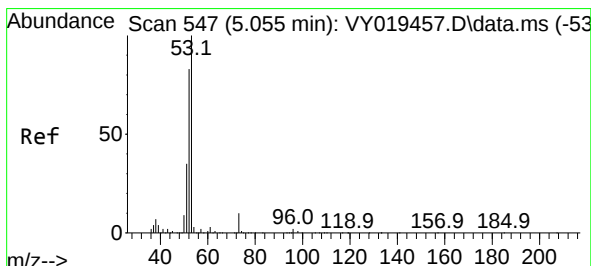
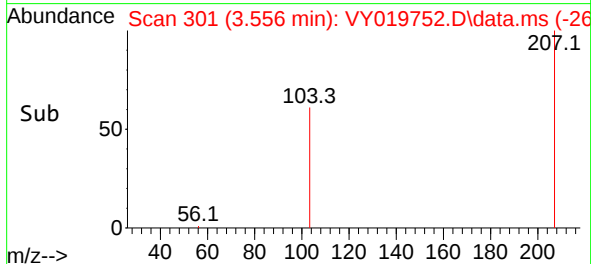
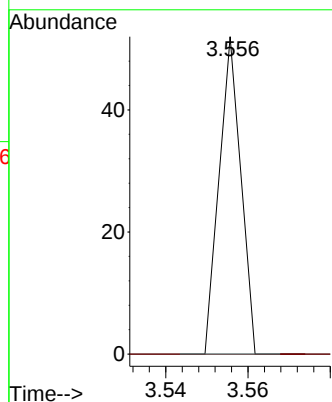


#13
Acrolein
Concen: Below Cal
RT: 3.556 min Scan# 301
Delta R.T. -0.097 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Instrument :
MSVOA_Y
ClientSampleId :

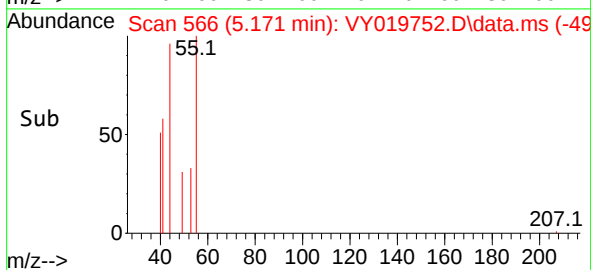
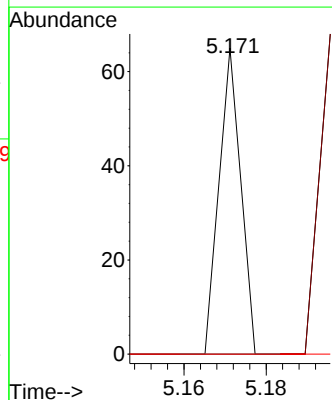
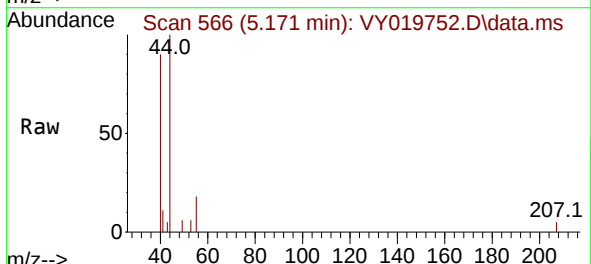


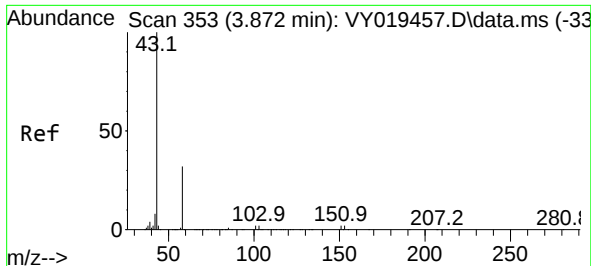
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#15
Acrylonitrile
Concen: 2.739 ug/l
RT: 5.171 min Scan# 566
Delta R.T. 0.116 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 53 Resp: 24
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#

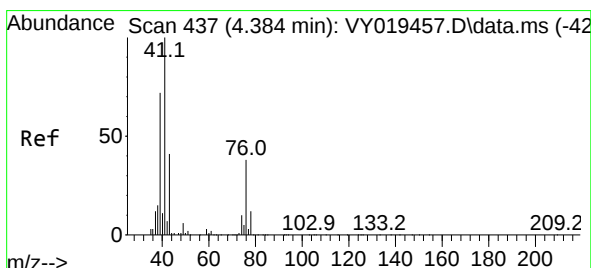
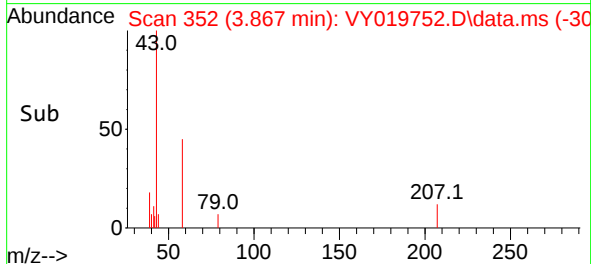
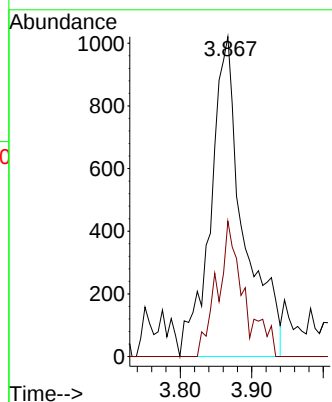
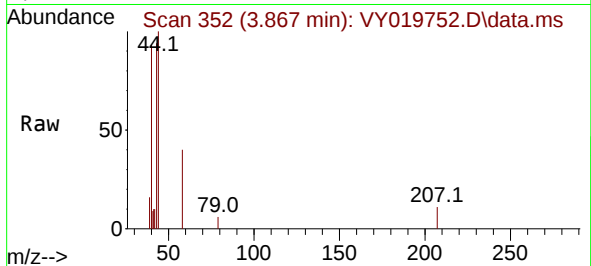




#16
Acetone
Concen: 364.076 ug/l
RT: 3.867 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

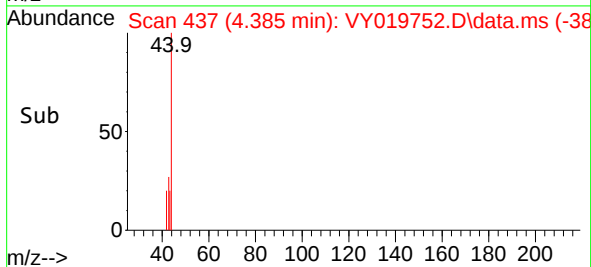
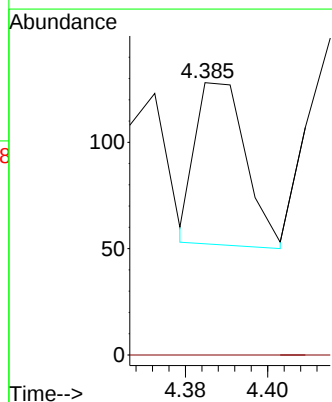
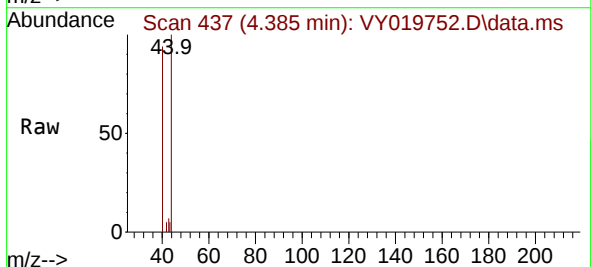
Instrument :
MSVOA_Y
ClientSampleId :

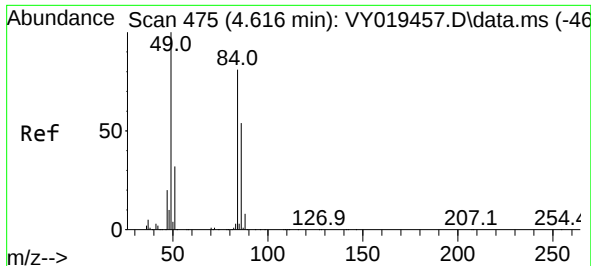
Tgt Ion: 43 Resp: 3260
Ion Ratio Lower Upper
43 100
58 42.3 31.7 47.5



#18
Methyl Acetate
Concen: 2.634 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

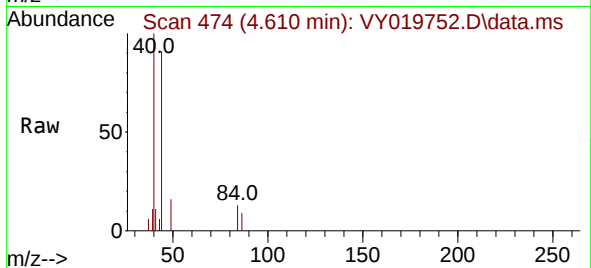
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#



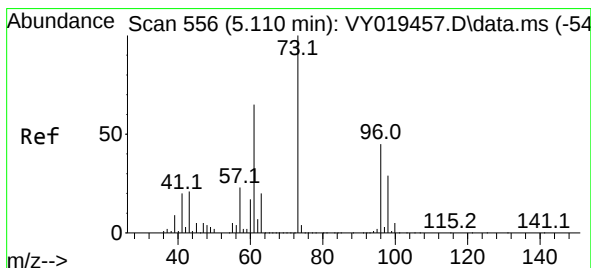
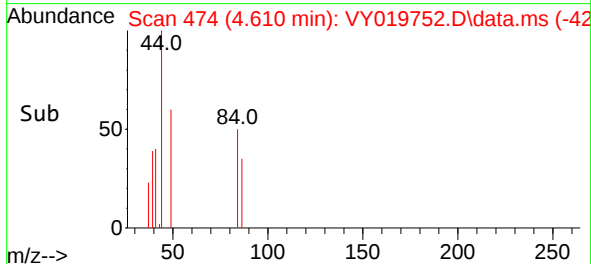
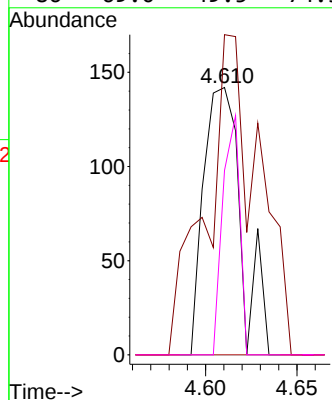


#20
Methylene Chloride
Concen: 4.971 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Instrument :
MSVOA_Y
ClientSampleId :

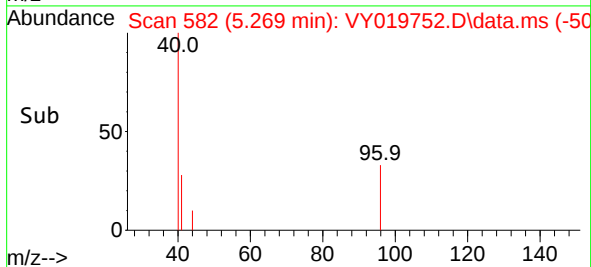
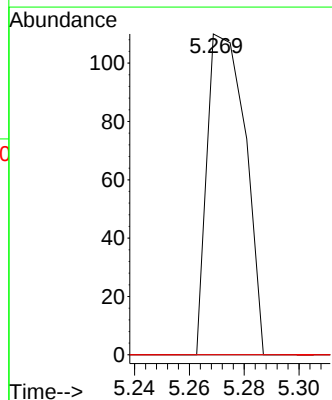
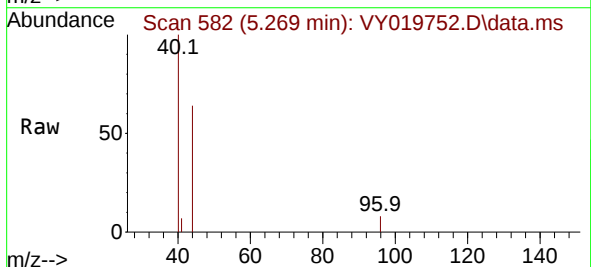


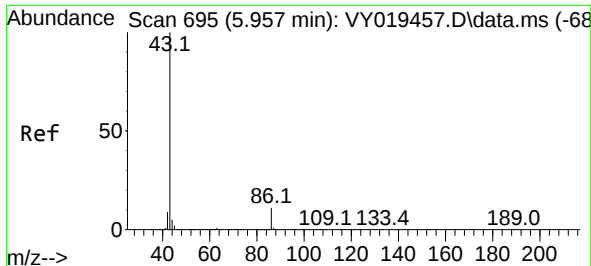
Tgt Ion:	84	Resp:	203
Ion	Ratio	Lower	Upper
84	100		
49	81.0	84.4	126.6#
51	0.0	26.0	39.0#
86	69.0	49.5	74.3



#21
trans-1,2-Dichloroethene
Concen: 2.685 ug/l
RT: 5.269 min Scan# 582
Delta R.T. 0.159 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

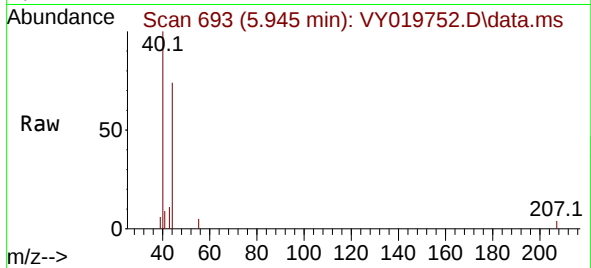
Tgt Ion:	96	Resp:	106
Ion	Ratio	Lower	Upper
96	100		
61	0.0	97.5	146.3#
98	0.0	50.5	75.7#



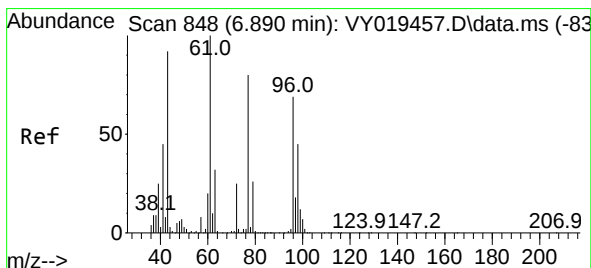
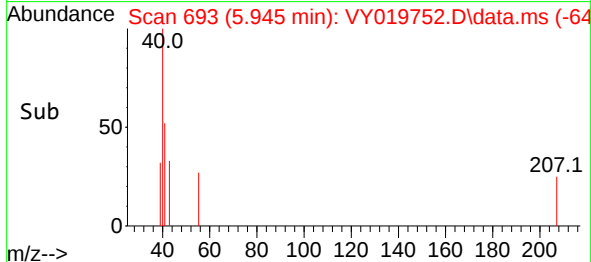
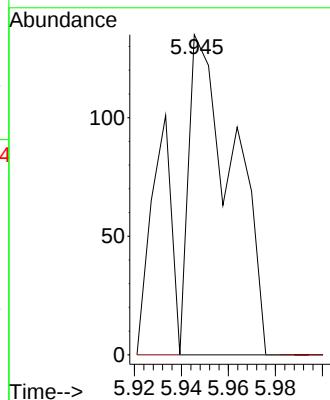


#23
 Vinyl Acetate
 Concen: 2.337 ug/l
 RT: 5.945 min Scan# 64
 Delta R.T. -0.012 min
 Lab File: VY019752.D
 Acq: 01 Oct 2024 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :

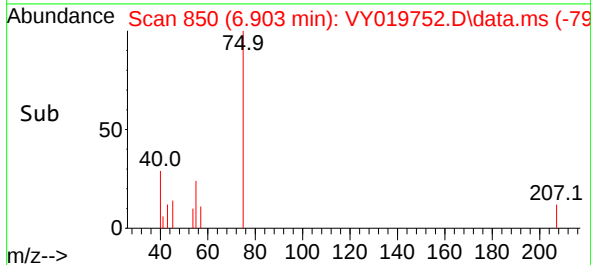
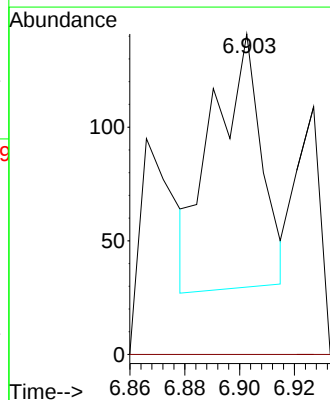
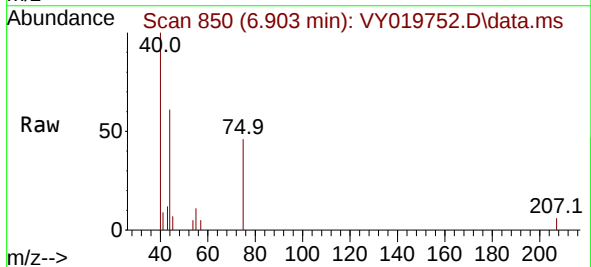


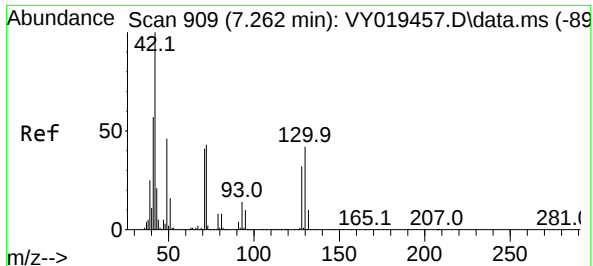
Tgt Ion: 43 Resp: 177
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.6 16.0#



#25
 2-Butanone
 Concen: 10.758 ug/l
 RT: 6.903 min Scan# 850
 Delta R.T. 0.013 min
 Lab File: VY019752.D
 Acq: 01 Oct 2024 19:31

Tgt Ion: 43 Resp: 137
 Ion Ratio Lower Upper
 43 100
 72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 16.143 ug/l

RT: 7.244 min Scan# 906

Delta R.T. -0.018 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

ClientSampleId :

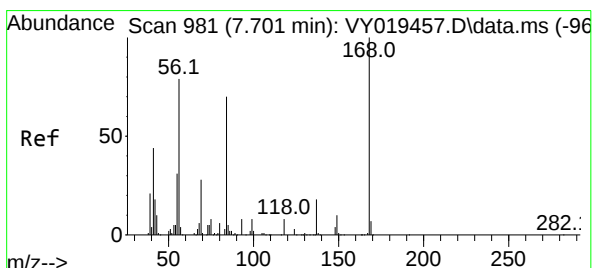
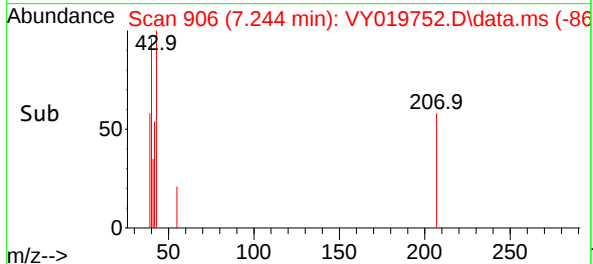
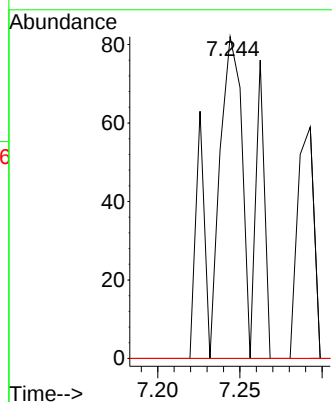
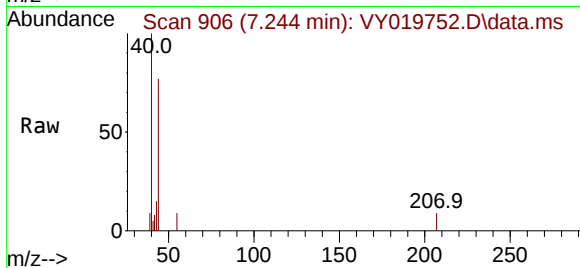
Tgt Ion: 42 Resp: 125

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

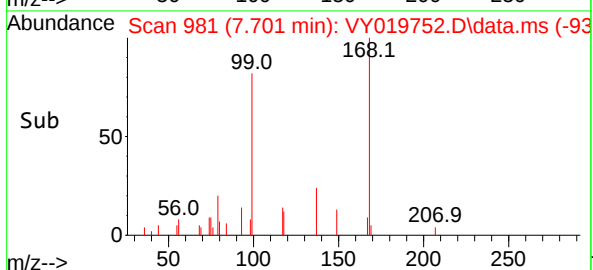
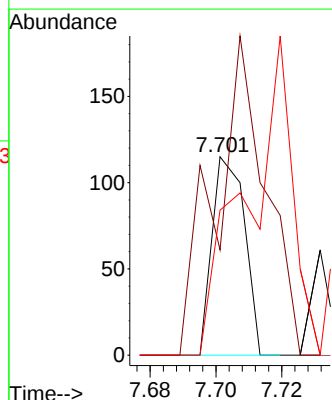
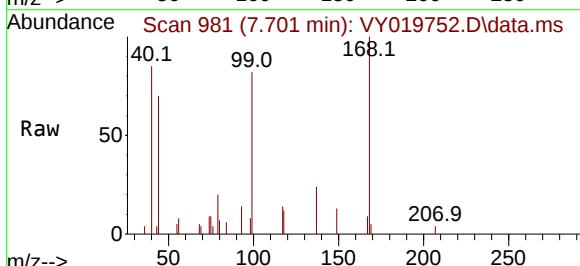
Tgt Ion: 56 Resp: 79

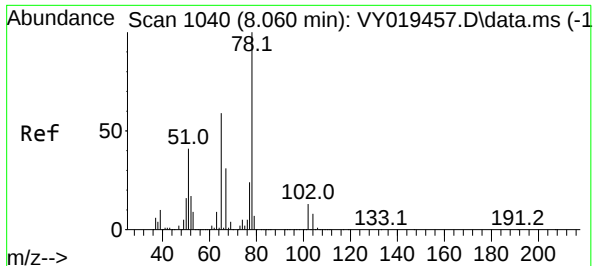
Ion Ratio Lower Upper

56 100

69 53.0 28.7 43.1#

84 73.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 95.250 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

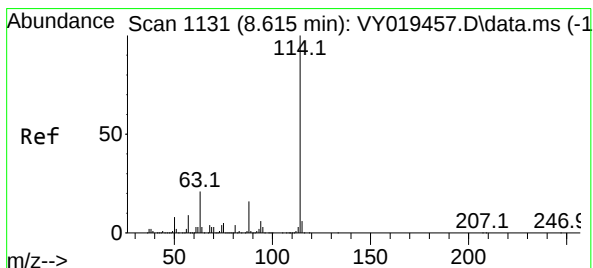
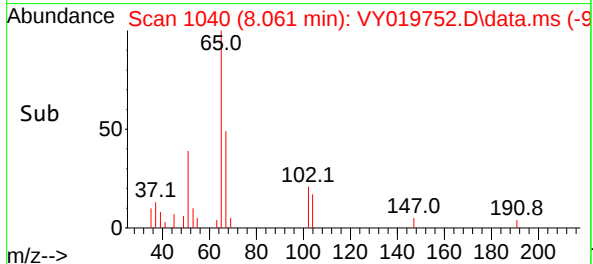
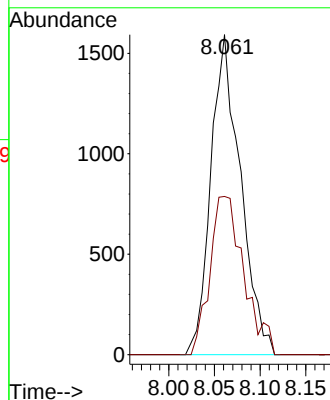
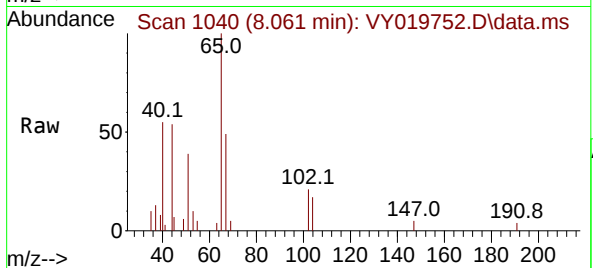
ClientSampleId :

Tgt Ion: 65 Resp: 3580

Ion Ratio Lower Upper

65 100

67 56.8 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: VY019752.D

Acq: 01 Oct 2024 19:31

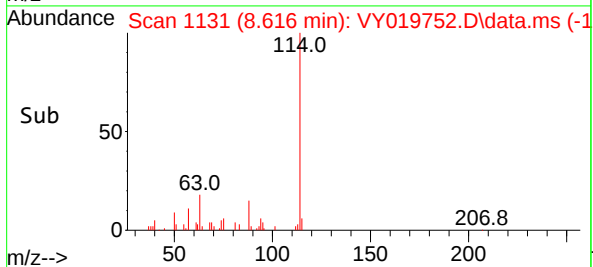
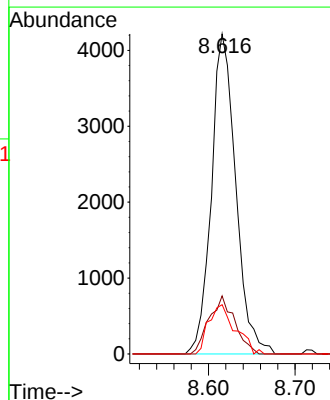
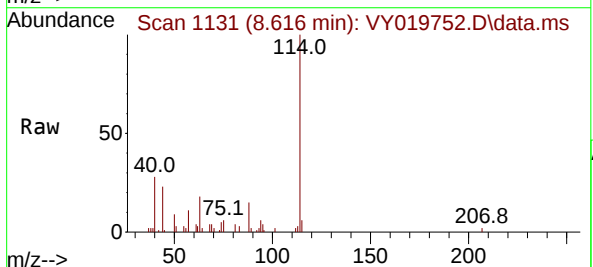
Tgt Ion: 114 Resp: 8234

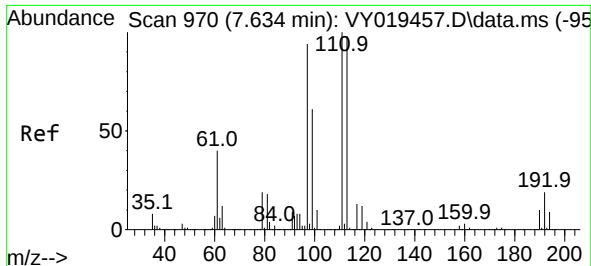
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.0

88 15.4 0.0 27.2

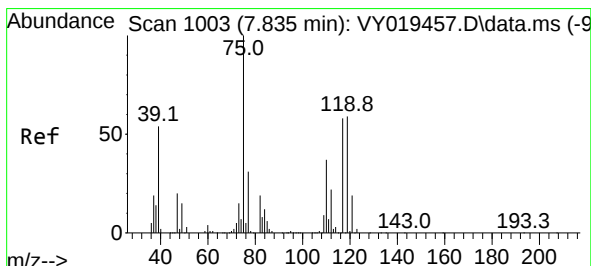
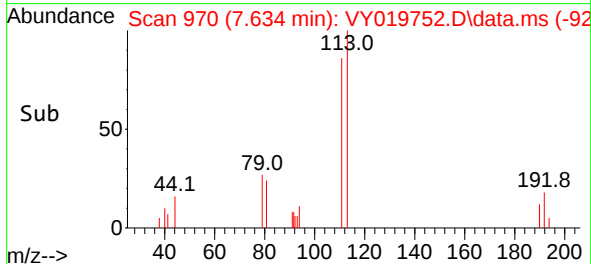
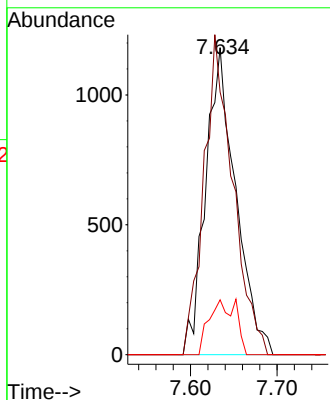
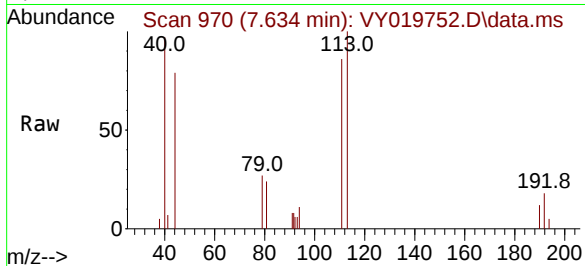




#35
Dibromofluoromethane
Concen: 61.326 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

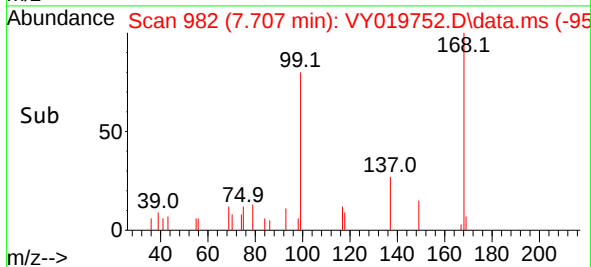
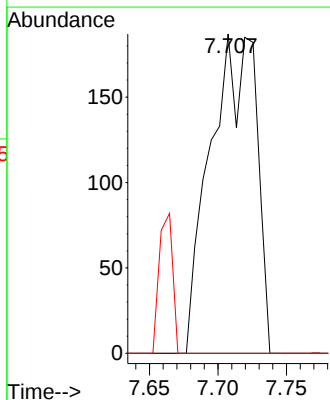
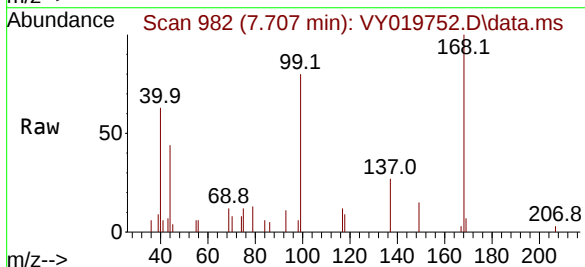
Instrument :
MSVOA_Y
ClientSampleId :

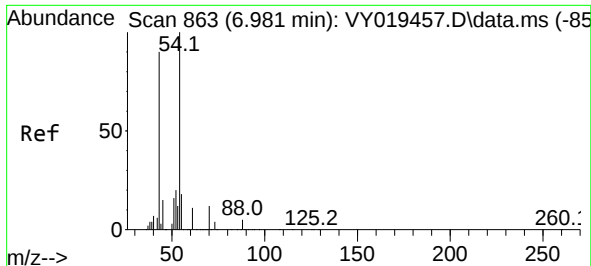
Tgt Ion:113 Resp: 2863
Ion Ratio Lower Upper
113 100
111 99.9 82.2 123.4
192 0.0 15.9 23.9#



#36
1,1-Dichloropropene
Concen: 6.879 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 75 Resp: 437
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 2.151 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

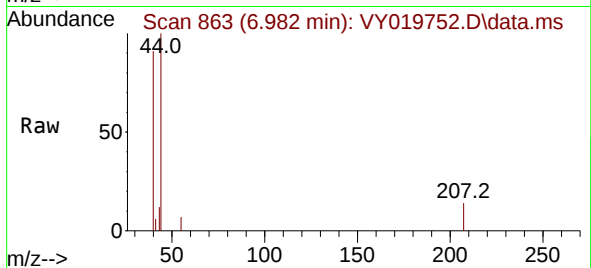
Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

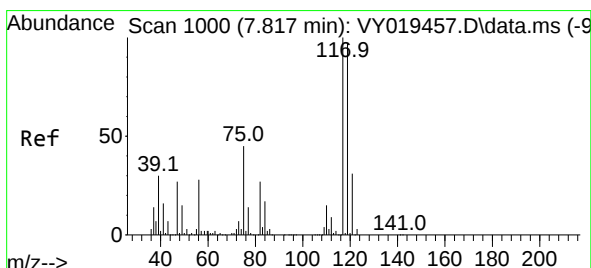
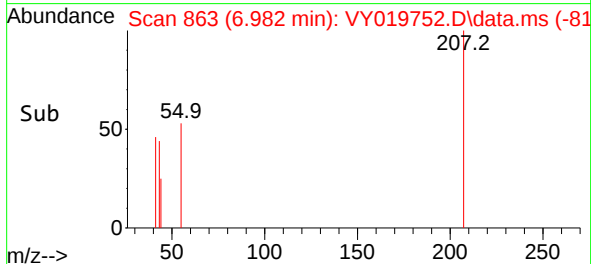
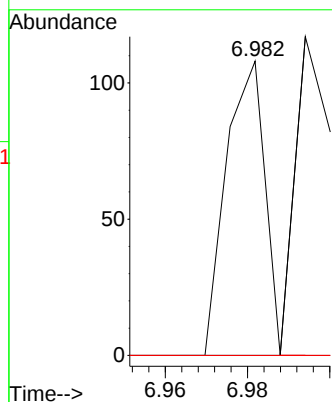
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	70
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#



#38

Carbon Tetrachloride

Concen: 6.547 ug/l

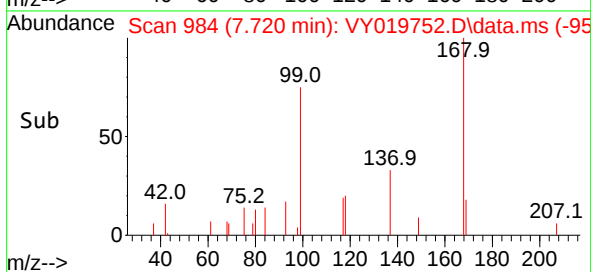
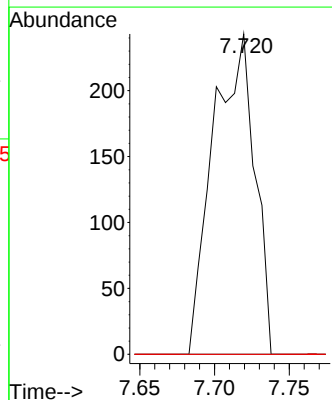
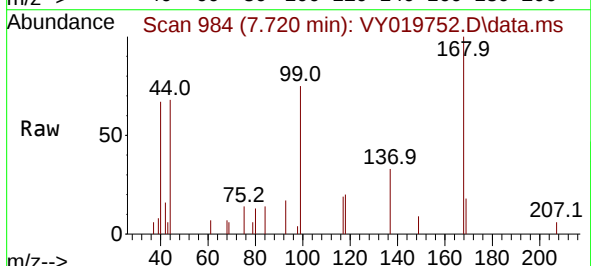
RT: 7.720 min Scan# 984

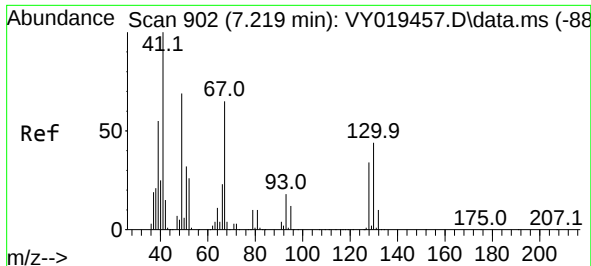
Delta R.T. -0.097 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

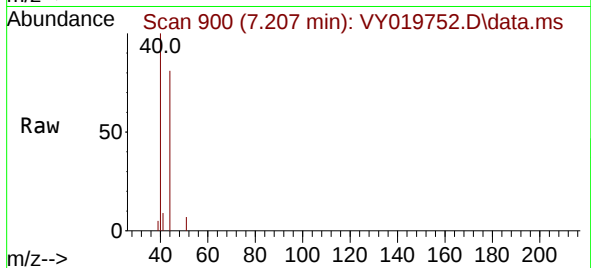
Tgt Ion:	117	Resp:	469
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	24.0	36.0#



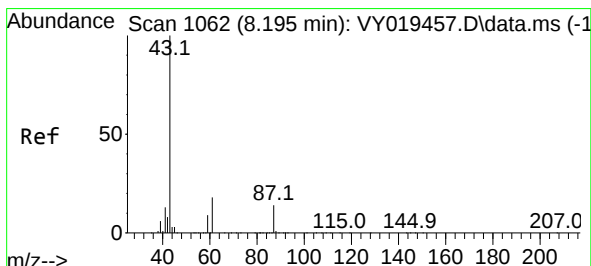
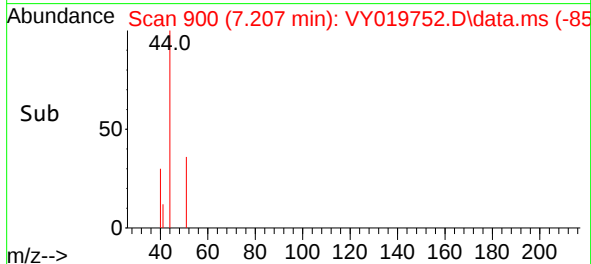
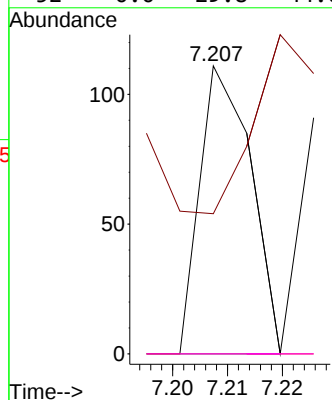


#41
Methacrylonitrile
Concen: 3.795 ug/l
RT: 7.207 min Scan# 902
Delta R.T. -0.012 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Instrument :
MSVOA_Y
ClientSampleId :

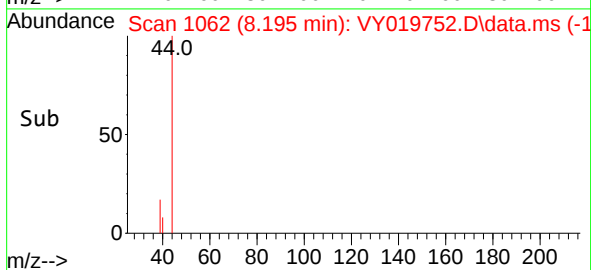
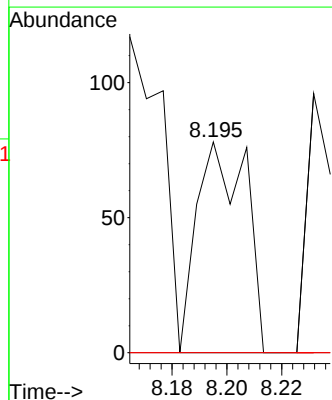
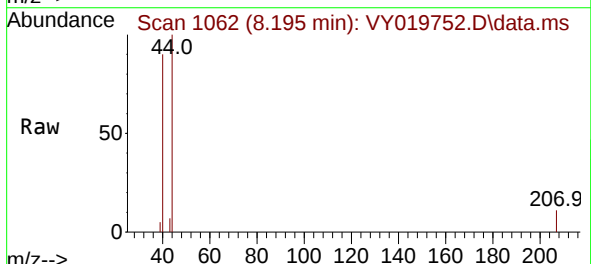


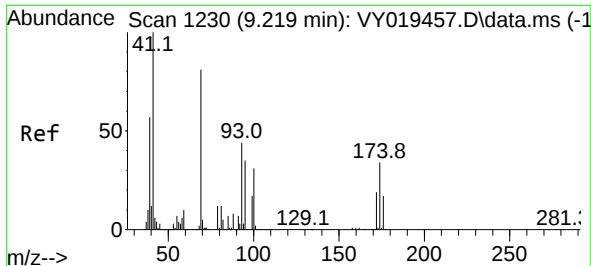
Tgt Ion: 41	Resp: 72
Ion Ratio	Lower Upper
41 100	
39 259.7	48.0 72.0#
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#43
Isopropyl Acetate
Concen: 1.418 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 43	Resp: 97		
Ion Ratio	Lower	Upper	
43 100			
61 0.0	27.9	41.9#	
87 0.0	13.1	19.7#	





#48

Methyl methacrylate

Concen: 2.323 ug/l

RT: 9.207 min Scan# 11

Delta R.T. -0.012 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

ClientSampleId :

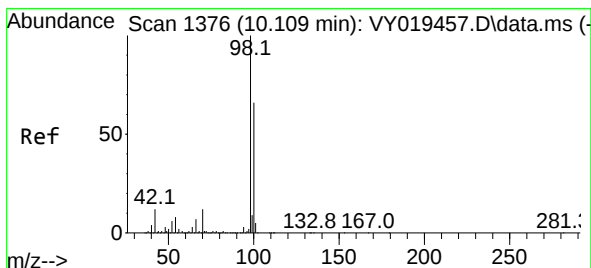
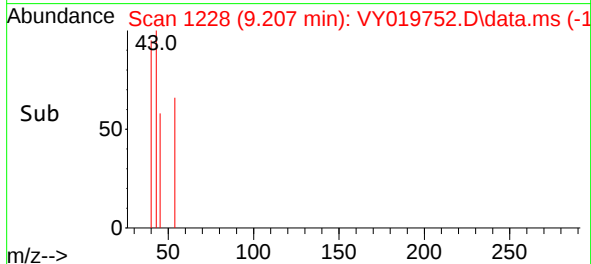
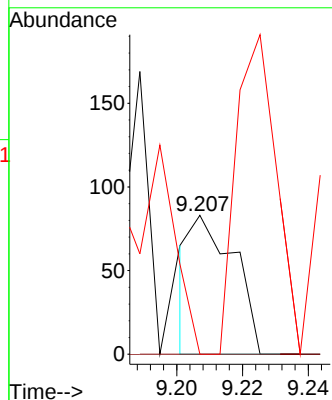
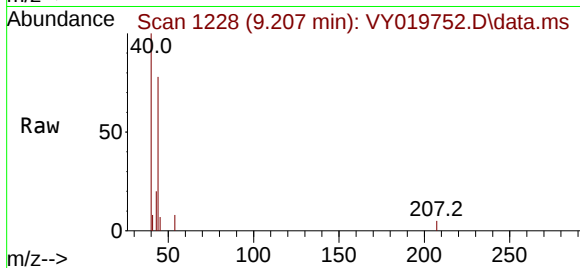
Tgt Ion: 41 Resp: 75

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 216.0 43.6 65.4#



#50

Toluene-d8

Concen: 48.541 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY019752.D

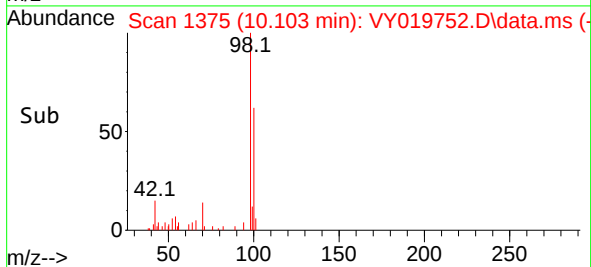
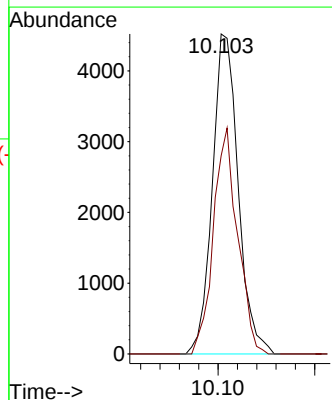
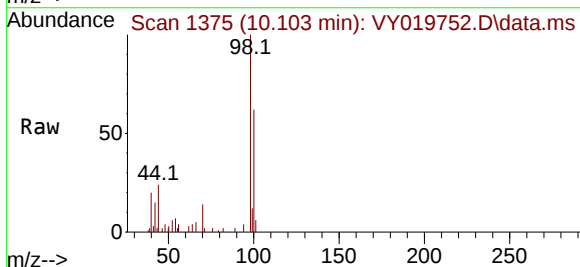
Acq: 01 Oct 2024 19:31

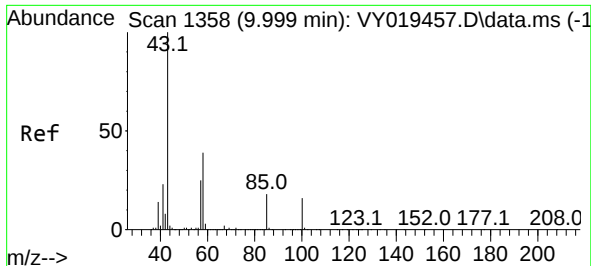
Tgt Ion: 98 Resp: 8382

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.924 ug/l

RT: 10.140 min Scan# 1381

Delta R.T. 0.141 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

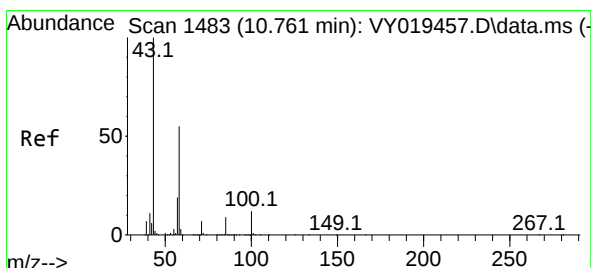
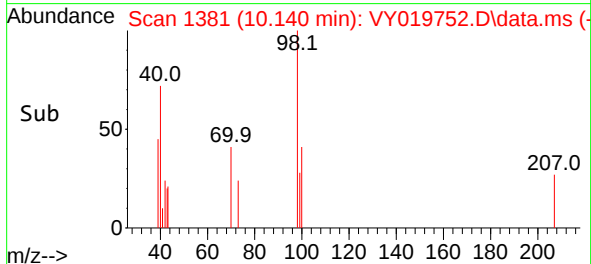
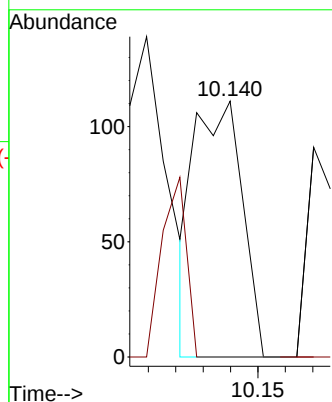
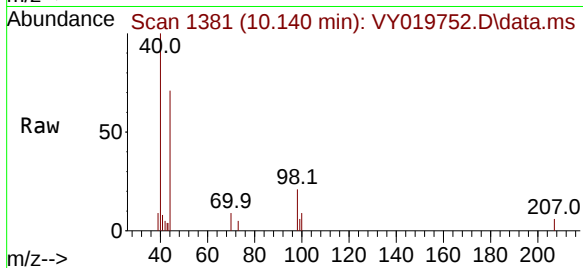
ClientSampleId :

Tgt Ion: 43 Resp: 135

Ion Ratio Lower Upper

43 100

58 36.3 35.7 53.5



#59

2-Hexanone

Concen: 5.551 ug/l

RT: 10.768 min Scan# 1484

Delta R.T. 0.007 min

Lab File: VY019752.D

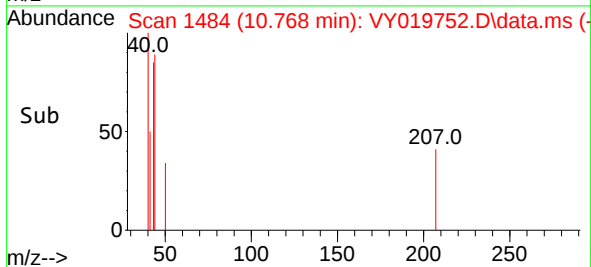
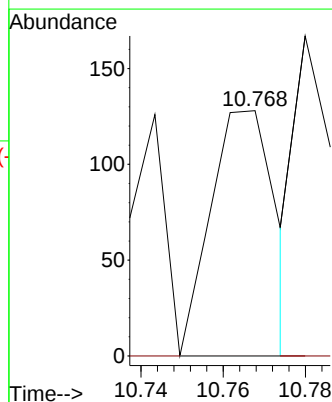
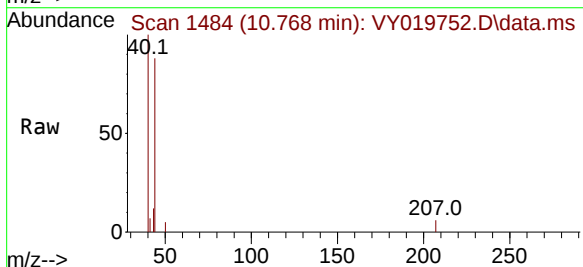
Acq: 01 Oct 2024 19:31

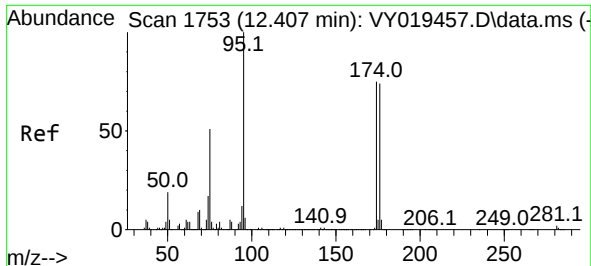
Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

58 0.0 31.4 94.0#





#62

4-Bromofluorobenzene

Concen: 23.812 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019752.D

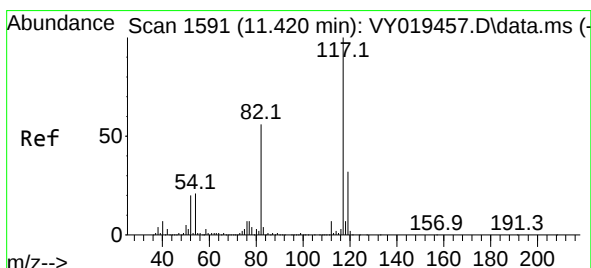
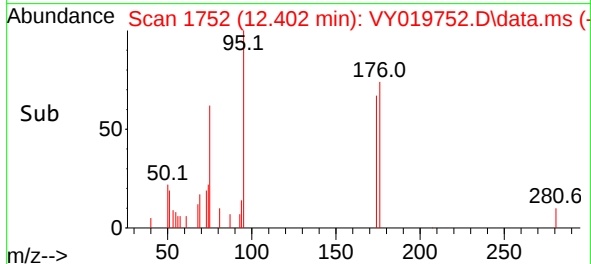
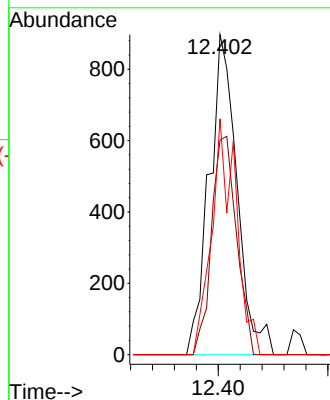
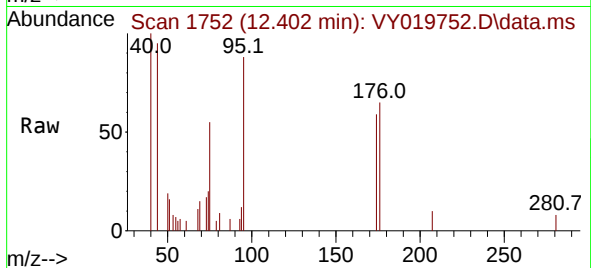
Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp: 1581
Ion Ratio	Lower Upper
95 100	
174 61.2	0.0 175.6
176 65.1	0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

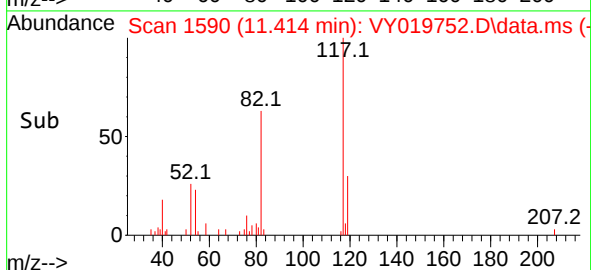
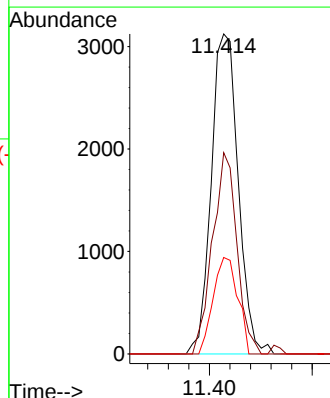
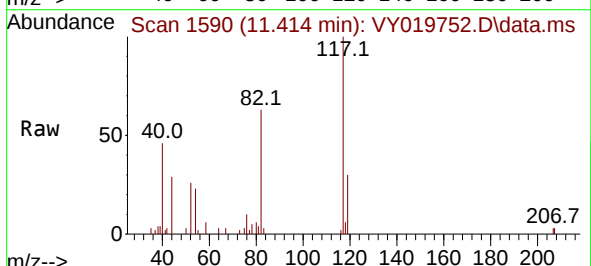
RT: 11.414 min Scan# 1590

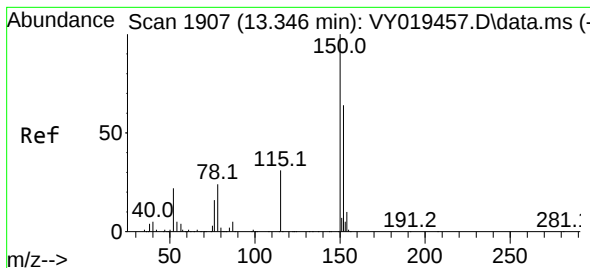
Delta R.T. -0.006 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Tgt Ion: 117	Resp: 5677
Ion Ratio	Lower Upper
117 100	
82 62.9	42.4 63.6
119 30.1	25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

ClientSampleId :

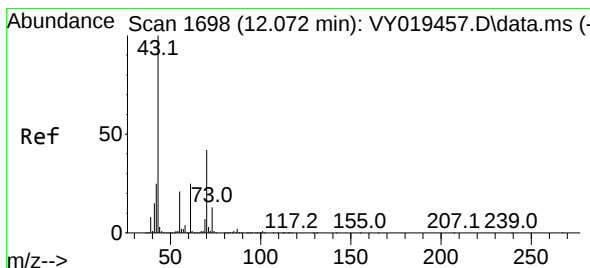
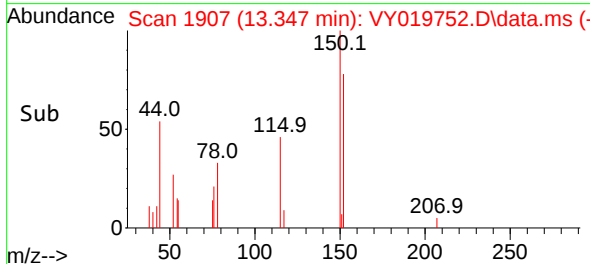
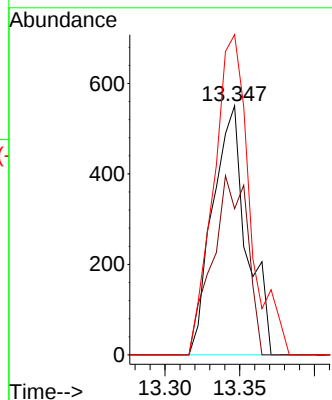
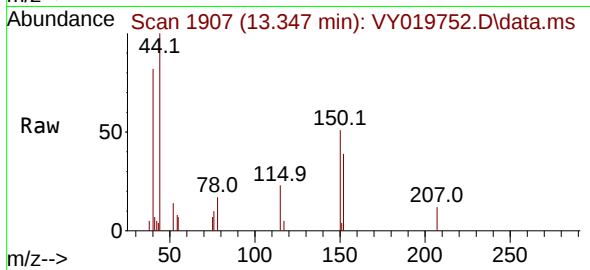
Tgt Ion:152 Resp: 865

Ion Ratio Lower Upper

152 100

115 74.6 28.2 84.7

150 138.0 0.0 345.6



#74

N-ethyl acetate

Concen: 3.809 ug/l

RT: 12.078 min Scan# 1699

Delta R.T. 0.007 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Tgt Ion: 43 Resp: 65

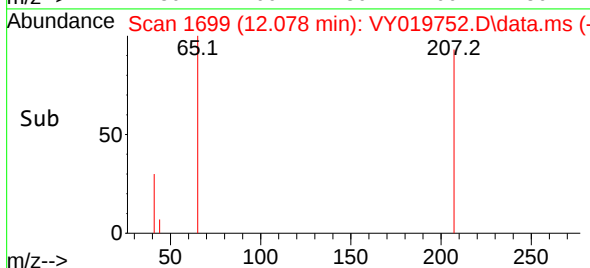
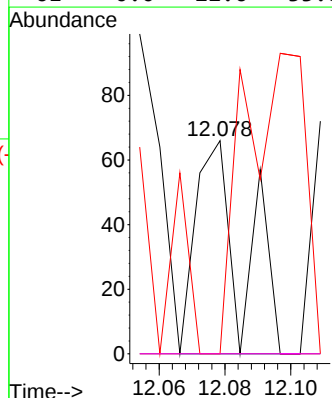
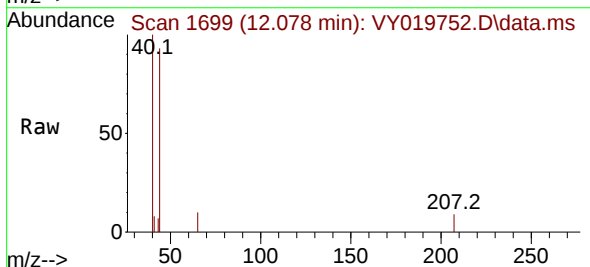
Ion Ratio Lower Upper

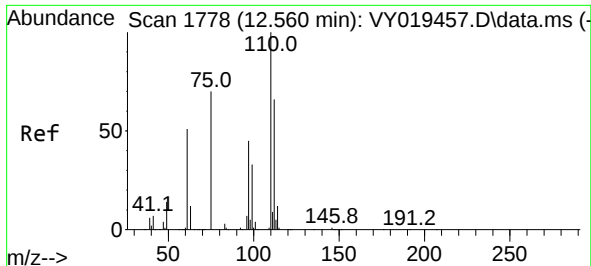
43 100

70 0.0 41.4 62.2#

55 184.6 23.3 34.9#

61 0.0 22.6 33.8#

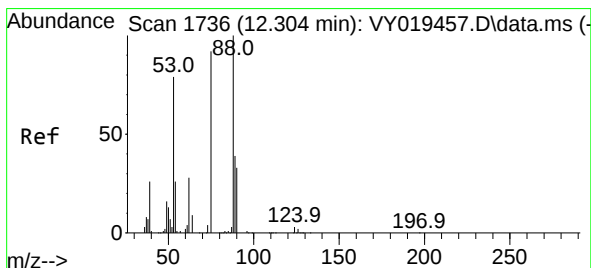
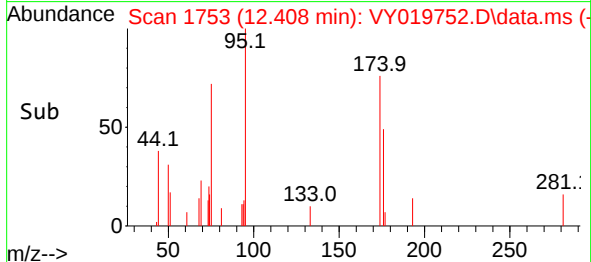
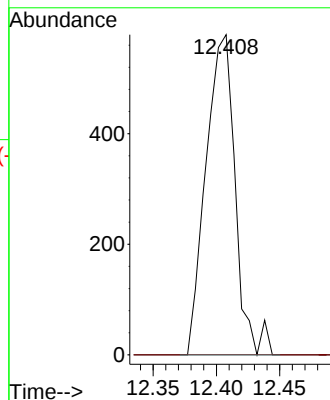
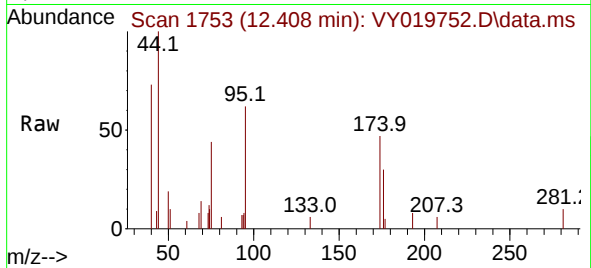




#76
1,2,3-Trichloropropane
Concen: 115.078 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

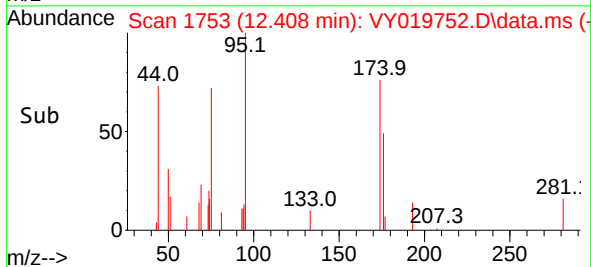
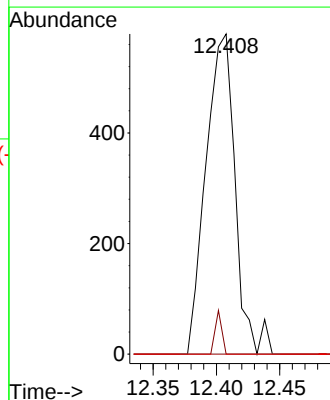
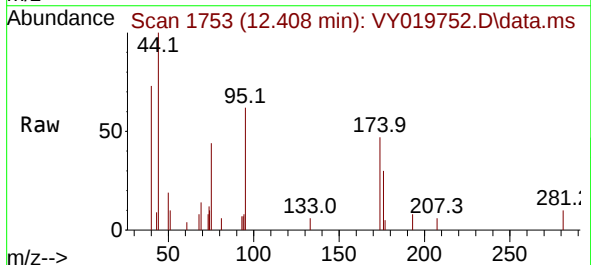
Instrument :
MSVOA_Y
ClientSampleId :

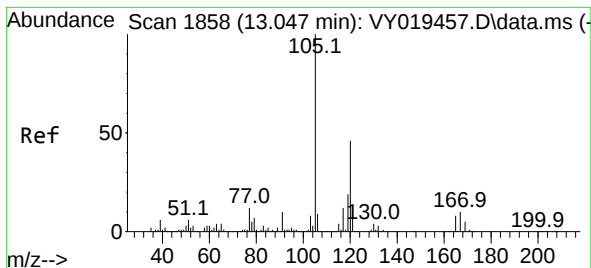
Tgt Ion: 75 Resp: 933
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 220.916 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019752.D
Acq: 01 Oct 2024 19:31

Tgt Ion: 75 Resp: 933
Ion Ratio Lower Upper
75 100
53 3.1 66.8 100.2#
89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.030 ug/l

RT: 13.048 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Instrument :

MSVOA_Y

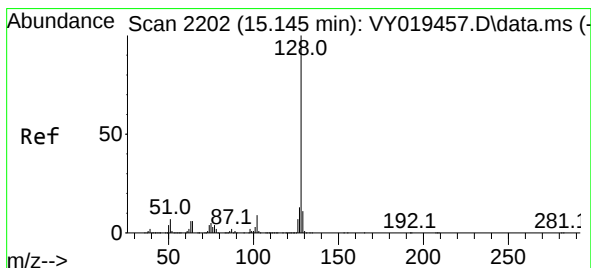
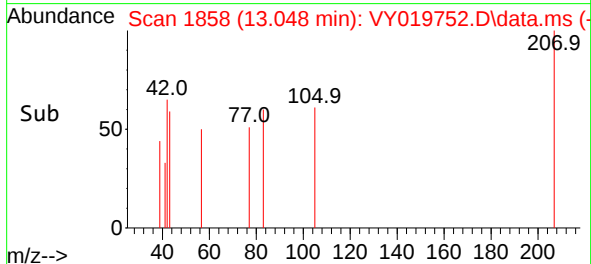
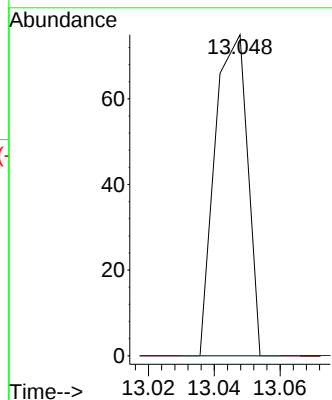
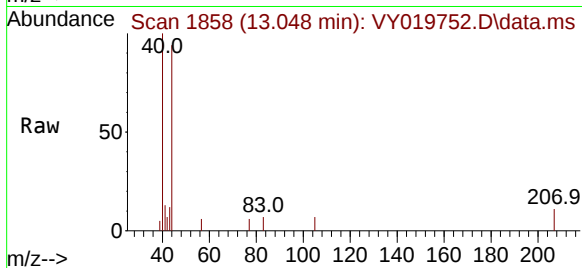
ClientSampleId :

Tgt Ion:105 Resp: 52

Ion Ratio Lower Upper

105 100

120 0.0 23.2 69.6#



#95

Naphthalene

Concen: 8.063 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019752.D

Acq: 01 Oct 2024 19:31

Tgt Ion:128 Resp: 237

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 13.0#

