

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090924\
 Data File : VY019469.D
 Acq On : 09 Sep 2024 16:43
 Operator : SY/MD
 Sample : P3892-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 10 01:49:27 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)

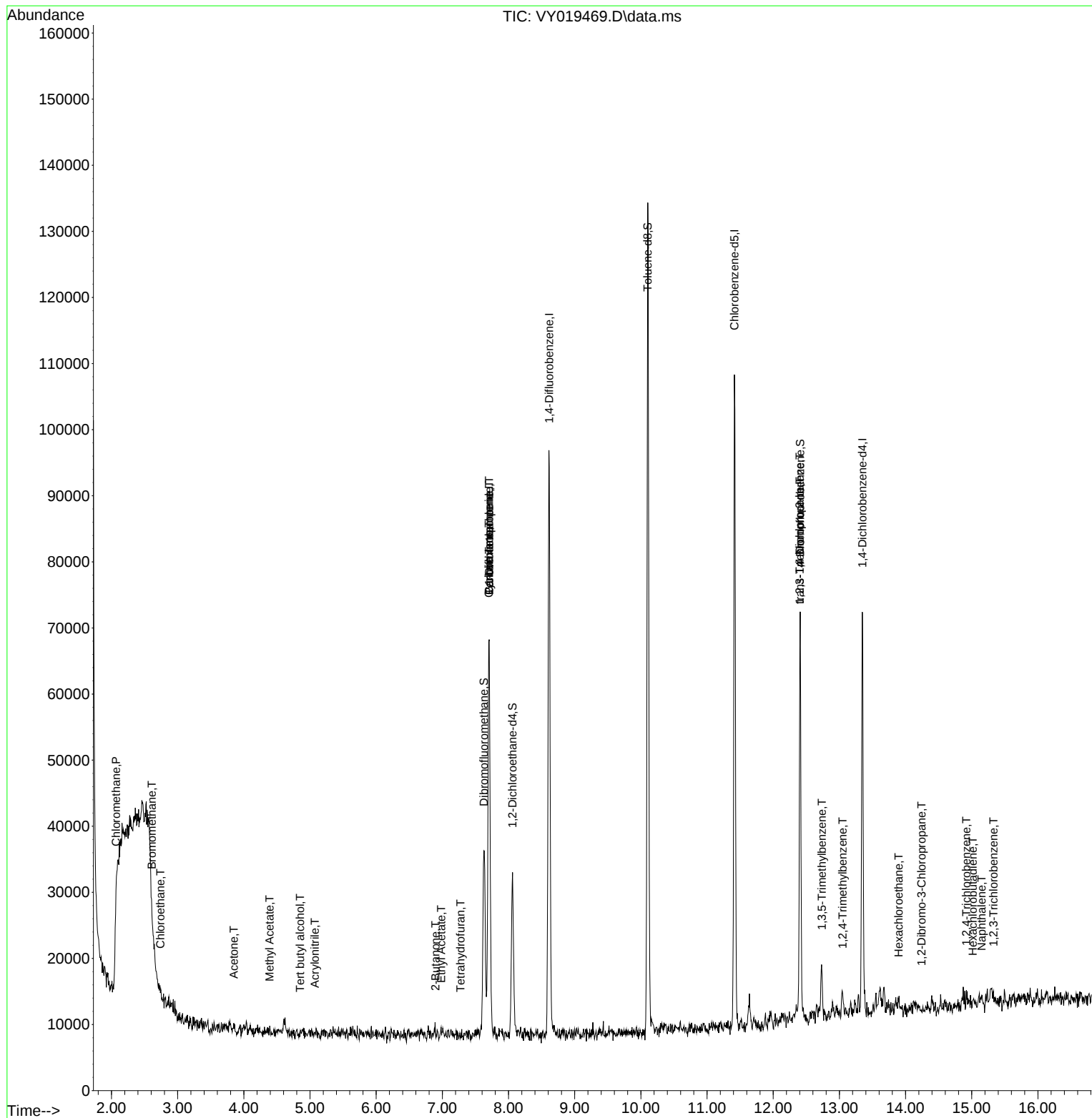
Internal Standards						
1) Pentafluorobenzene	7.707	168	44527	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	75192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	51509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	14545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	19827	48.088	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	96.180%		
35) Dibromofluoromethane	7.628	113	21652	50.788	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.580%		
50) Toluene-d8	10.103	98	83245	52.791	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	105.580%		
62) 4-Bromofluorobenzene	12.408	95	19733	32.545	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	65.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	158	Below Cal	#	43
3) Chloromethane	2.068	50	388	1.053	ug/l	92
5) Bromomethane	2.611	94	366	1.496	ug/l #	3
6) Chloroethane	2.739	64	330	1.267	ug/l #	34
11) Tert butyl alcohol	4.848	59	57	1.712	ug/l #	1
13) Acrolein	3.635	56	95	Below Cal	#	1
15) Acrylonitrile	5.074	53	259	2.695	ug/l #	65
16) Acetone	3.848	43	799	8.134	ug/l #	82
18) Methyl Acetate	4.391	43	320	1.200	ug/l #	65
25) 2-Butanone	6.896	43	544	3.894	ug/l #	41
29) Tetrahydrofuran	7.274	42	144	1.695	ug/l #	1
31) Cyclohexane	7.701	56	1382	1.873	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	4152	7.157	ug/l #	54
37) Ethyl Acetate	6.982	43	434	1.460	ug/l #	44
38) Carbon Tetrachloride	7.707	117	4722	7.218	ug/l #	18
76) 1,2,3-Trichloropropane	12.402	75	10512	77.108	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	1253	1.461	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.402	75	10512	148.024	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.048	105	2040	2.402	ug/l	94
90) Hexachloroethane	13.895	117	215	1.119	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.243	75	60	1.922	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.919	180	260	1.053	ug/l	78
94) Hexachlorobutadiene	15.017	225	173	1.312	ug/l #	61
95) Naphthalene	15.151	128	969	1.961	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.328	180	220	1.042	ug/l #	3

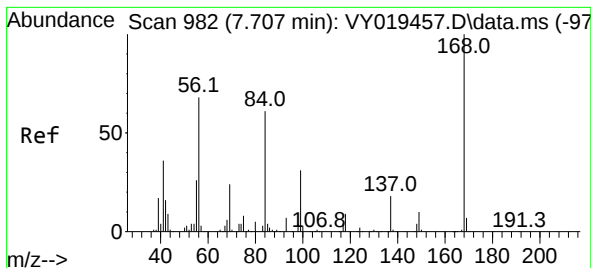
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090924\
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MSVOA_Y
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Quant Time: Sep 10 01:49:27 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: VY019469.D

Acq: 09 Sep 2024 16:43

Instrument :

MSVOA_Y

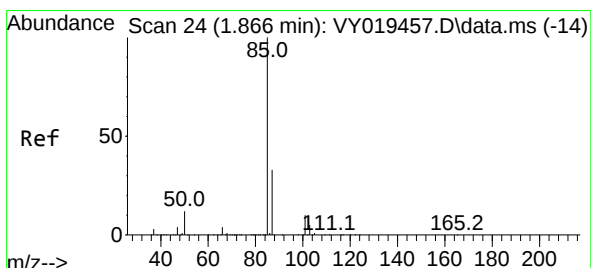
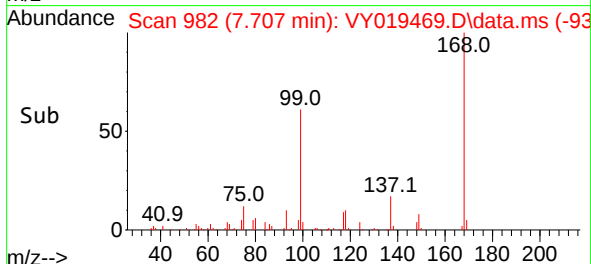
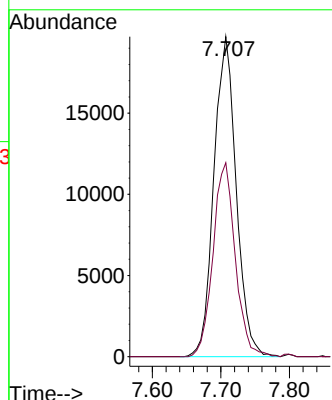
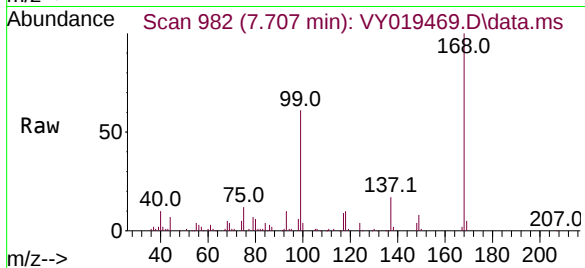
ClientSampleId :

Tgt Ion:168 Resp: 44527

Ion Ratio Lower Upper

168 100

99 60.6 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY019469.D

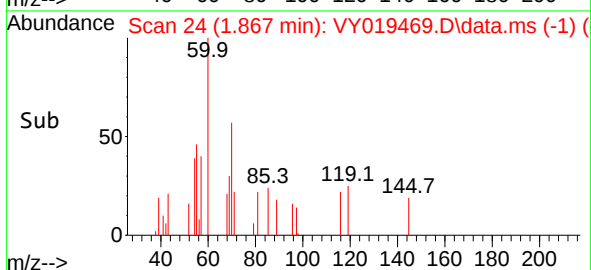
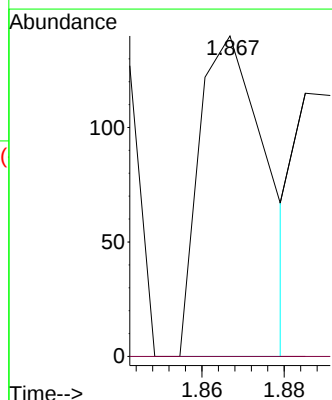
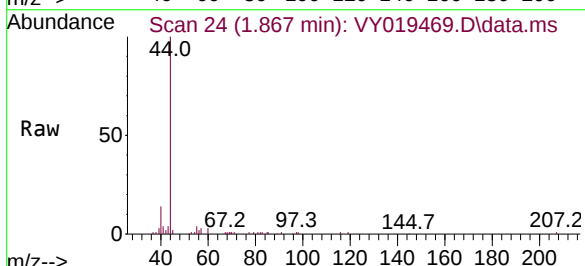
Acq: 09 Sep 2024 16:43

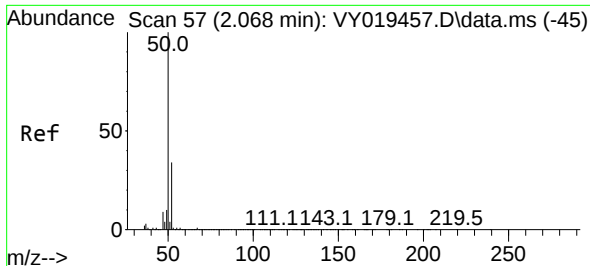
Tgt Ion: 85 Resp: 158

Ion Ratio Lower Upper

85 100

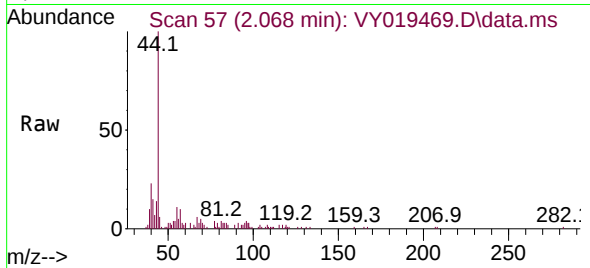
87 0.0 16.0 48.0#



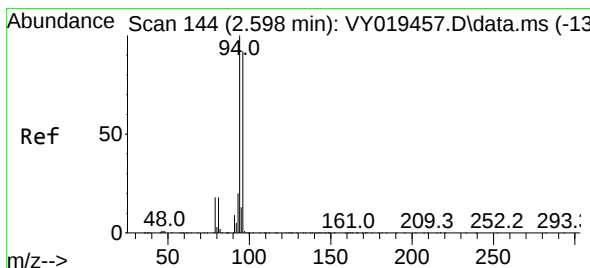
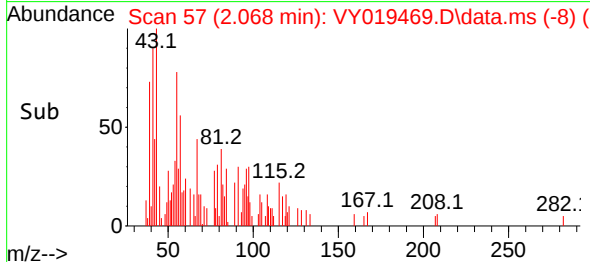
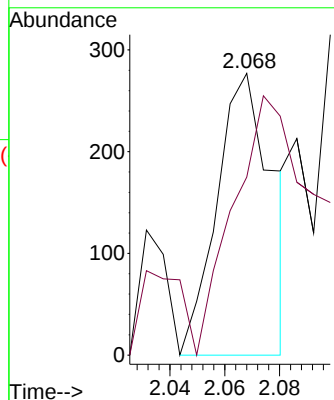


#3
Chloromethane
Concen: 1.053 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

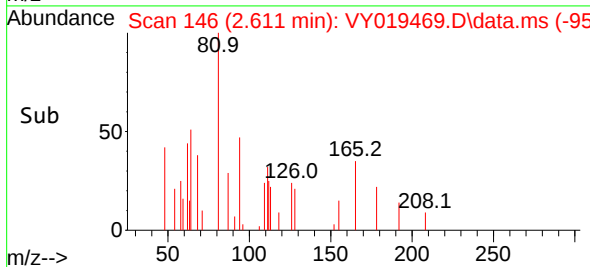
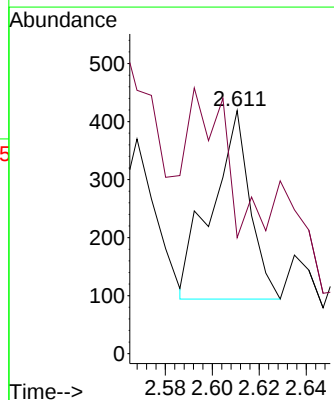
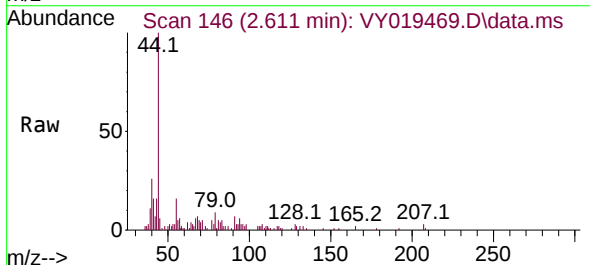


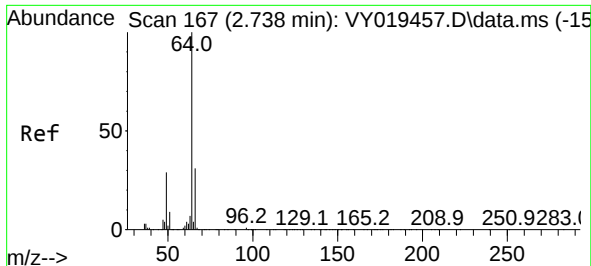
Tgt Ion: 50 Resp: 388
Ion Ratio Lower Upper
50 100
52 36.5 25.6 38.4



#5
Bromomethane
Concen: 1.496 ug/l
RT: 2.611 min Scan# 146
Delta R.T. 0.013 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#

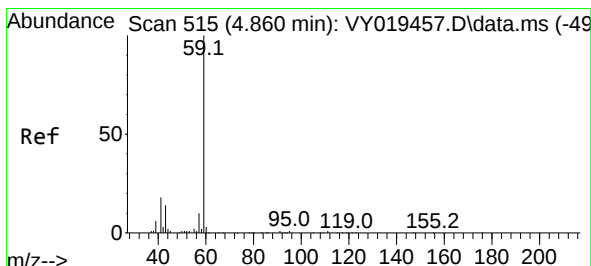
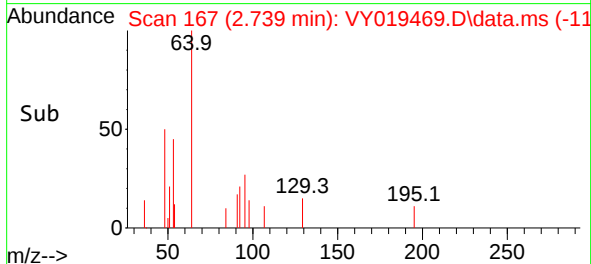
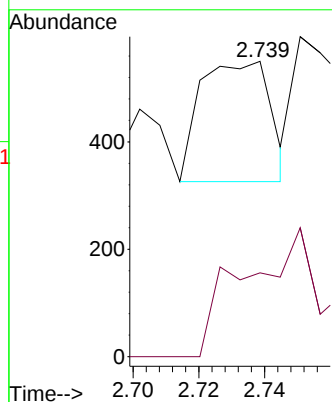
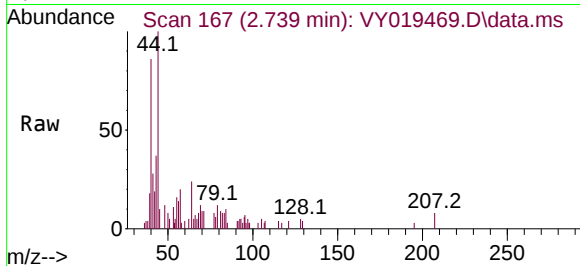




#6
Chloroethane
Concen: 1.267 ug/l
RT: 2.739 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

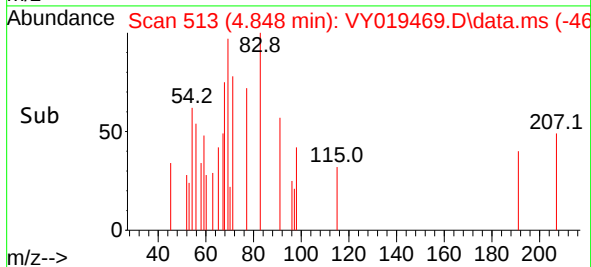
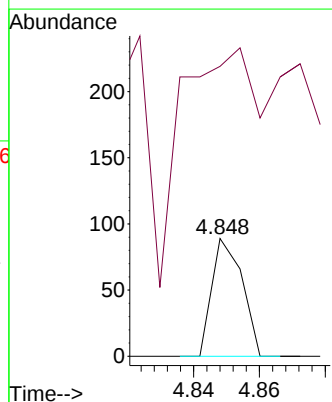
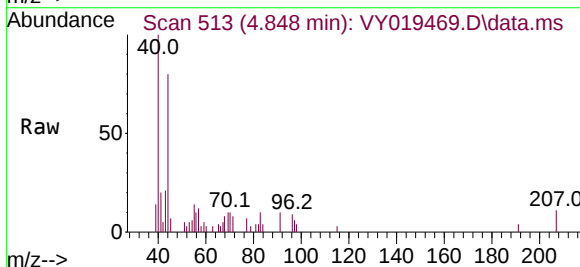
Instrument :
MSVOA_Y
ClientSampleId :

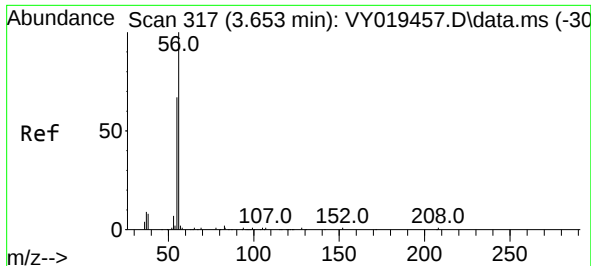
Tgt Ion: 64 Resp: 330
Ion Ratio Lower Upper
64 100
66 69.6 26.1 39.1#



#11
Tert butyl alcohol
Concen: 1.712 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

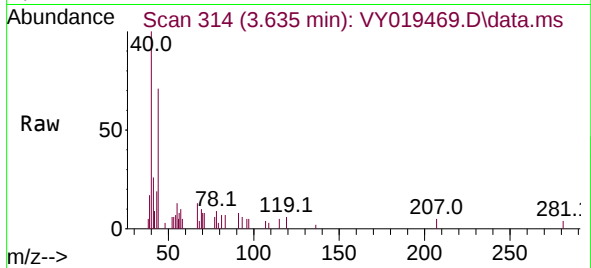
Tgt Ion: 59 Resp: 57
Ion Ratio Lower Upper
59 100
57 508.8 3.0 4.6#



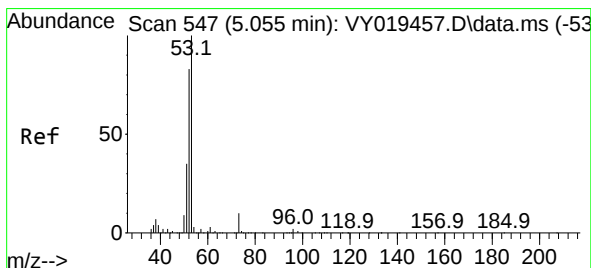
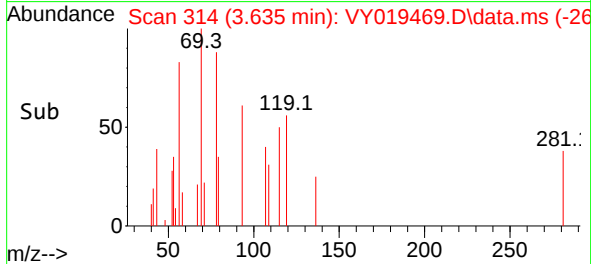
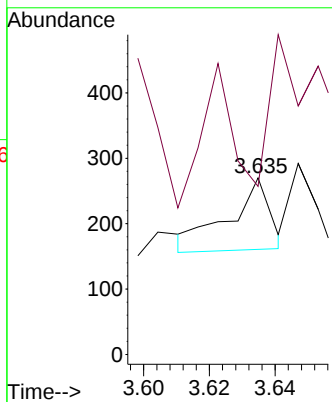


#13
Acrolein
Concen: Below Cal
RT: 3.635 min Scan# 31
Delta R.T. -0.018 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

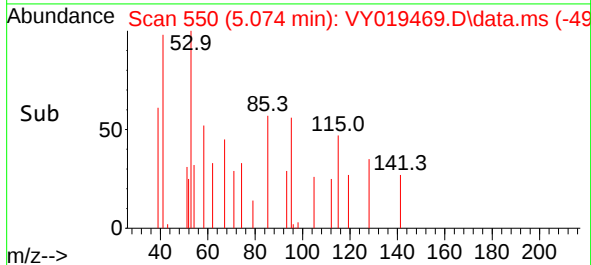
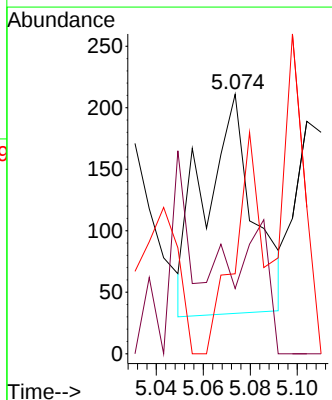
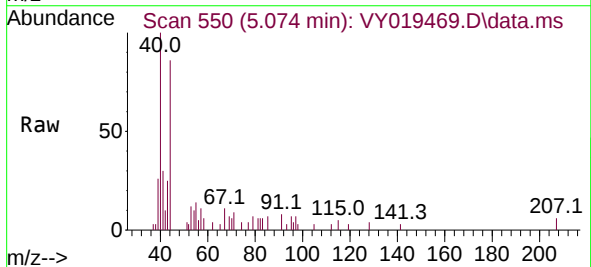


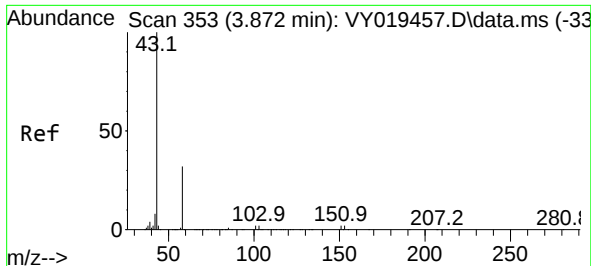
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 262.1 55.7 83.5#



#15
Acrylonitrile
Concen: 2.695 ug/l
RT: 5.074 min Scan# 550
Delta R.T. 0.019 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Tgt Ion: 53 Resp: 259
Ion Ratio Lower Upper
53 100
52 47.9 64.7 97.1#
51 53.7 28.4 42.6#

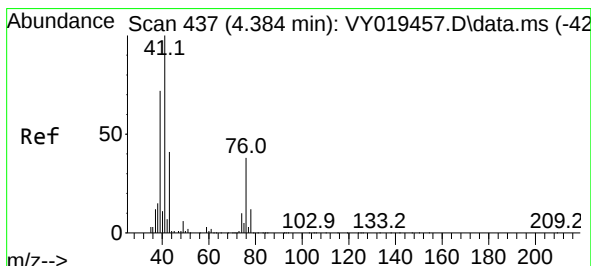
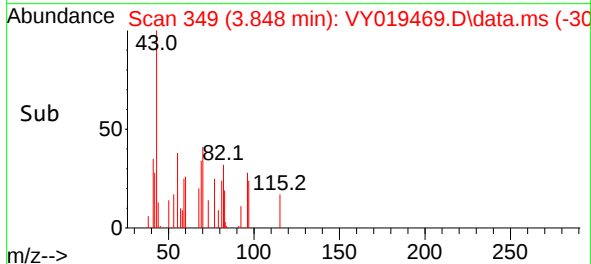
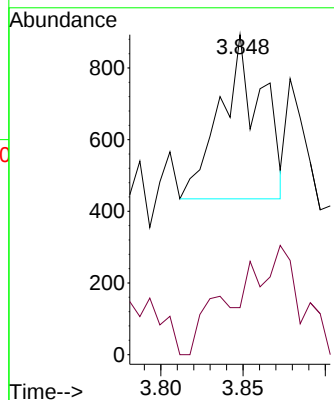
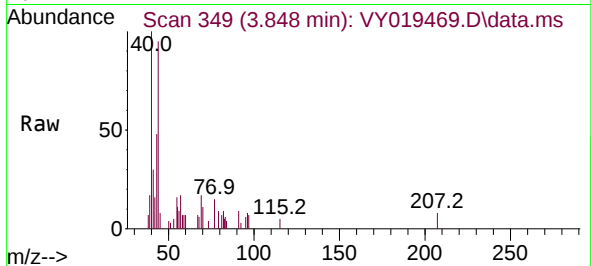




#16
Acetone
Concen: 8.134 ug/l
RT: 3.848 min Scan# 34
Delta R.T. -0.024 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

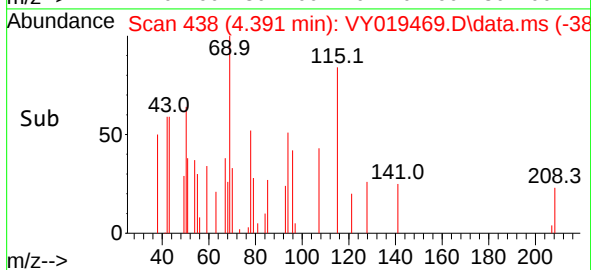
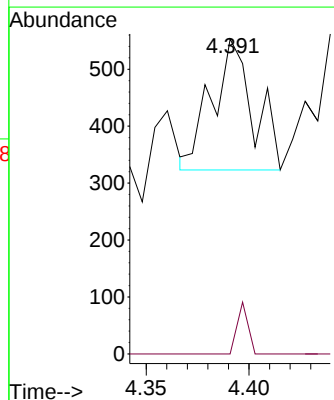
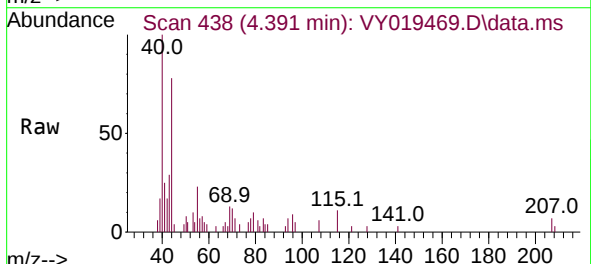
Instrument :
MSVOA_Y
ClientSampleId :

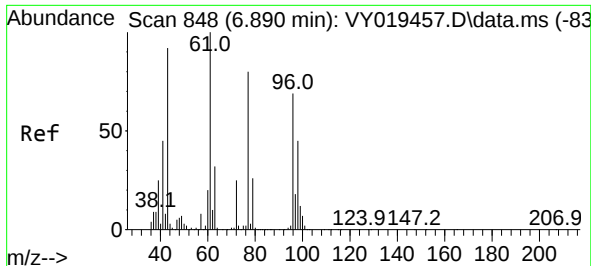
Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
58 28.6 31.7 47.5#



#18
Methyl Acetate
Concen: 1.200 ug/l
RT: 4.391 min Scan# 438
Delta R.T. 0.006 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

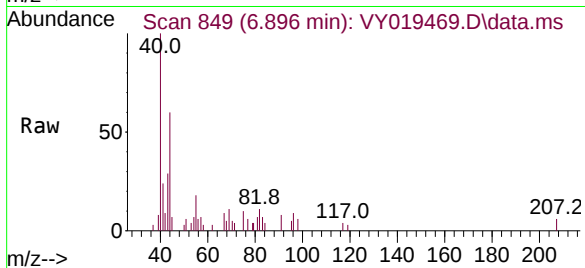
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
74 10.3 23.3 34.9#



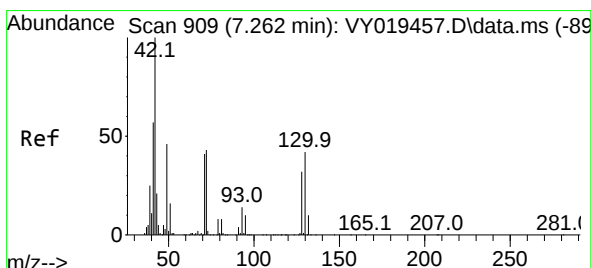
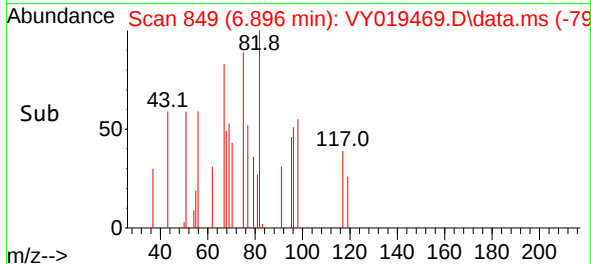
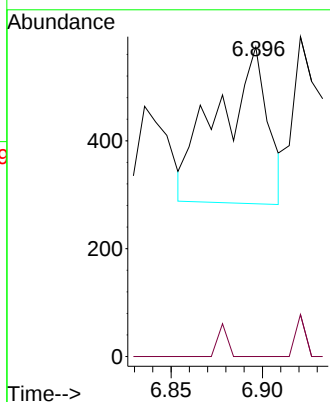


#25
2-Butanone
Concen: 3.894 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

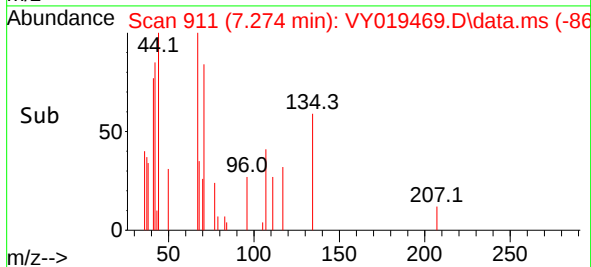
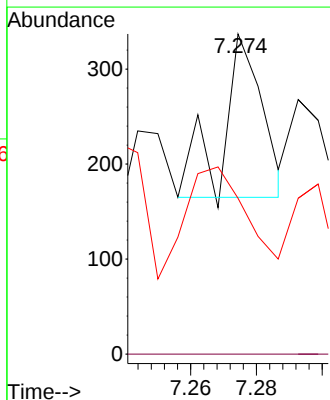
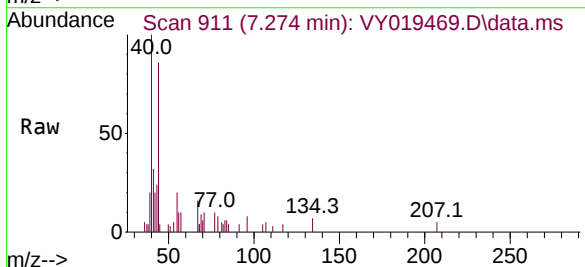


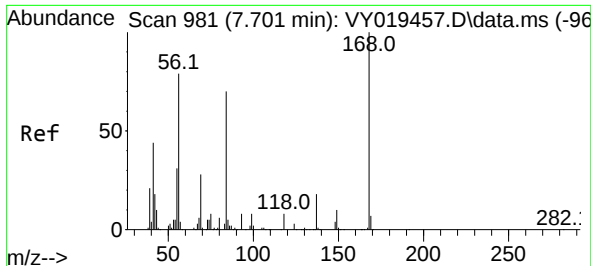
Tgt Ion: 43 Resp: 544
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.695 ug/l
RT: 7.274 min Scan# 911
Delta R.T. 0.013 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

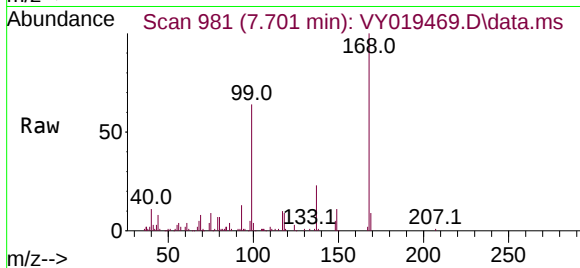
Tgt Ion: 42 Resp: 144
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 187.5 40.8 61.2#



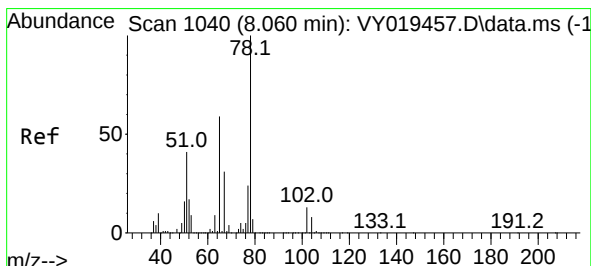
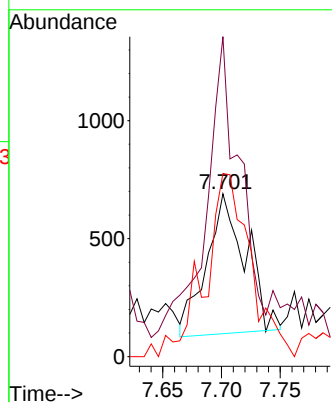
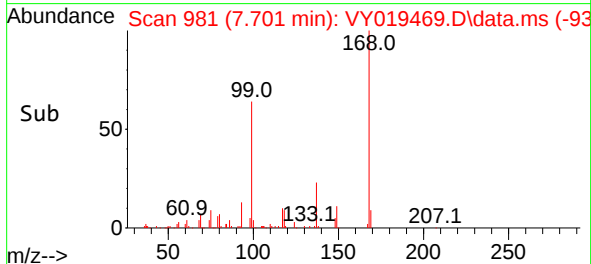


#31
Cyclohexane
Concen: 1.873 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

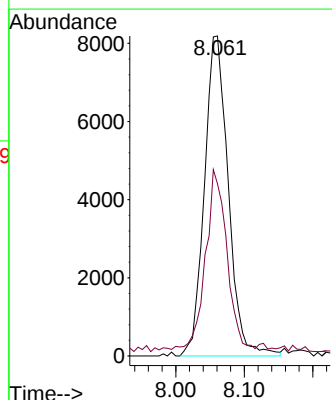
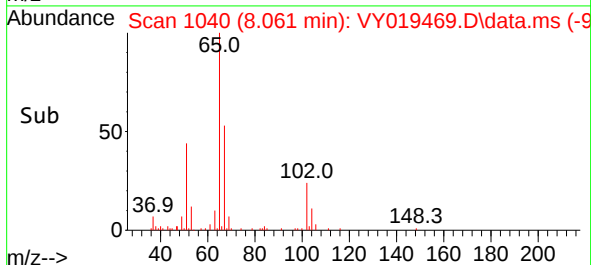
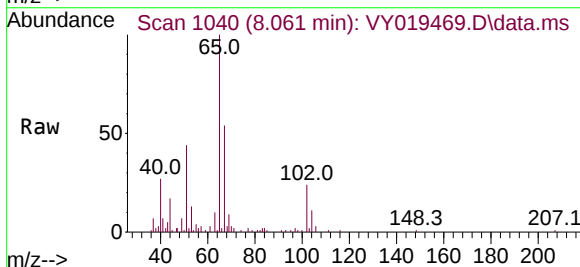


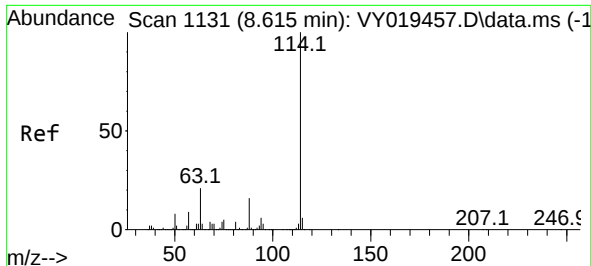
Tgt Ion: 56 Resp: 1382
Ion Ratio Lower Upper
56 100
69 205.9 28.7 43.1#
84 127.1 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.088 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Tgt Ion: 65 Resp: 19827
Ion Ratio Lower Upper
65 100
67 50.3 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

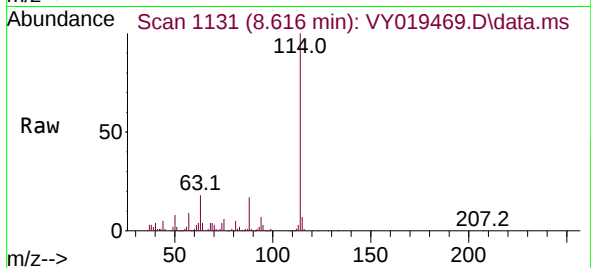
Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

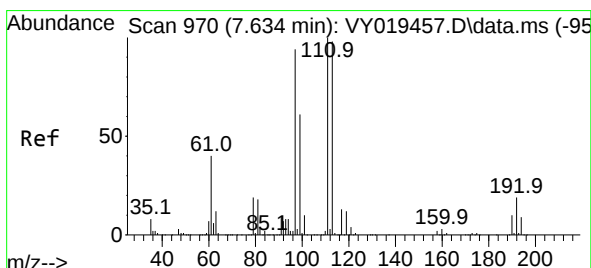
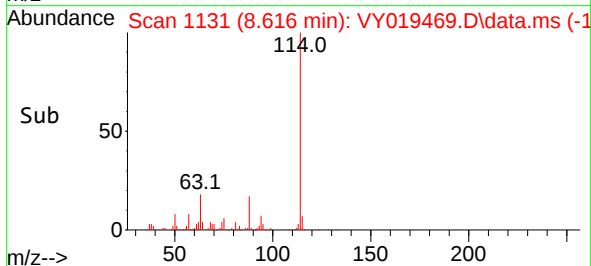
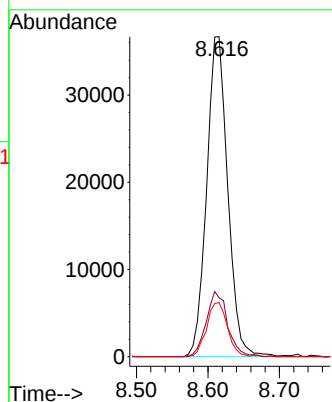
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	114	Resp:	75192
Ion Ratio	Lower	Upper	
114	100		
63	18.4	0.0	35.0
88	16.9	0.0	27.2



#35

Dibromofluoromethane

Concen: 50.788 ug/l

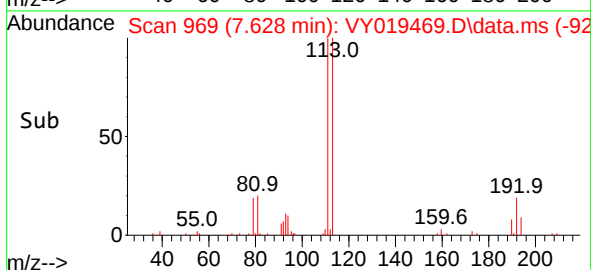
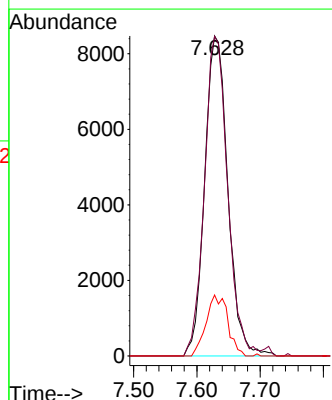
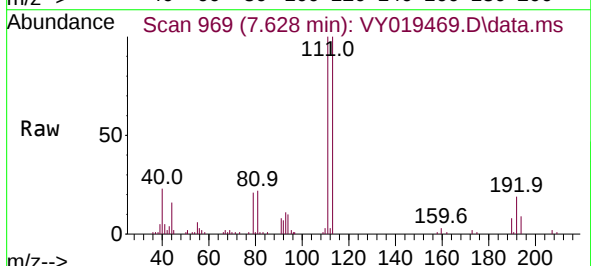
RT: 7.628 min Scan# 969

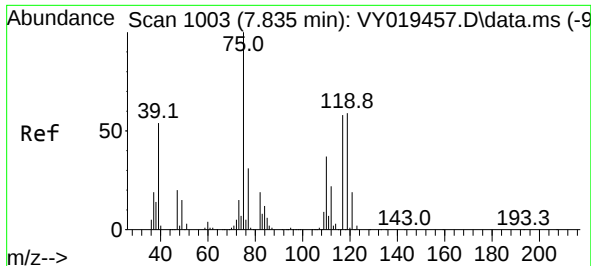
Delta R.T. -0.006 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

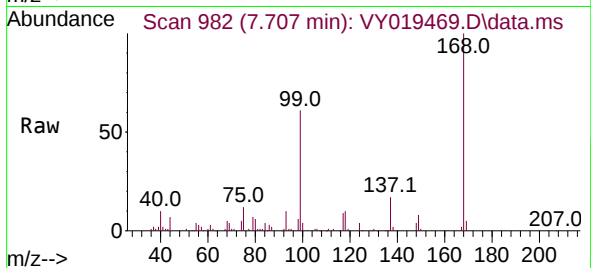
Tgt Ion:	113	Resp:	21652
Ion Ratio	Lower	Upper	
113	100		
111	99.8	82.2	123.4
192	17.7	15.9	23.9



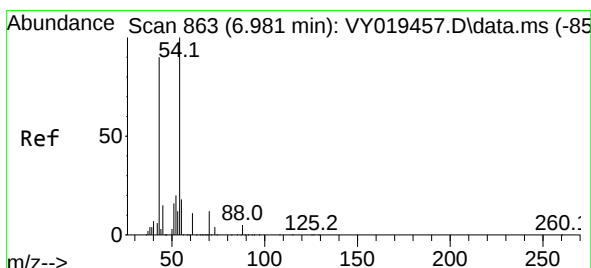
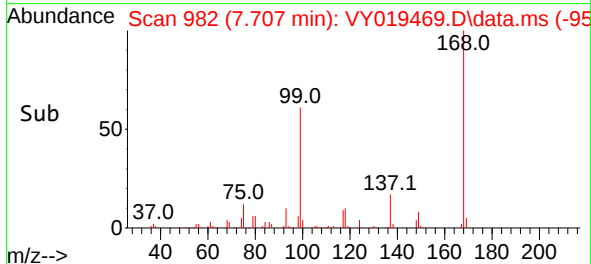
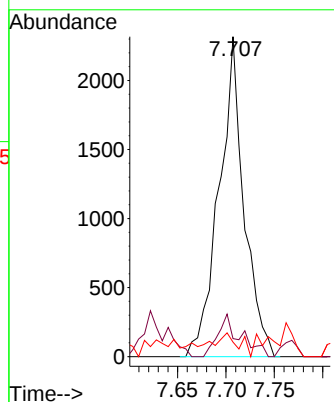


#36
1,1-Dichloropropene
Concen: 7.157 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Instrument :
MSVOA_Y
ClientSampleId :

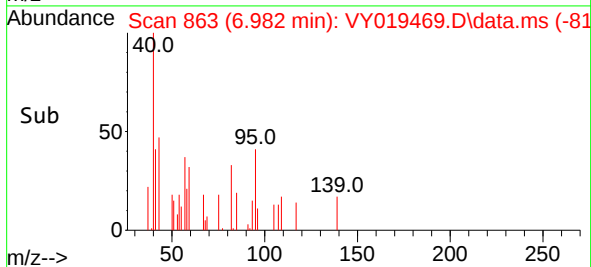
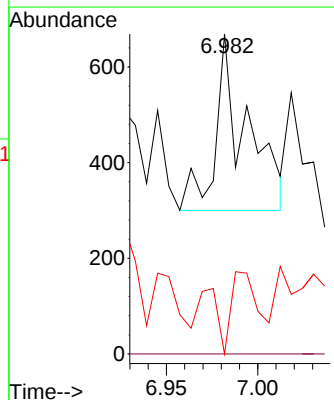
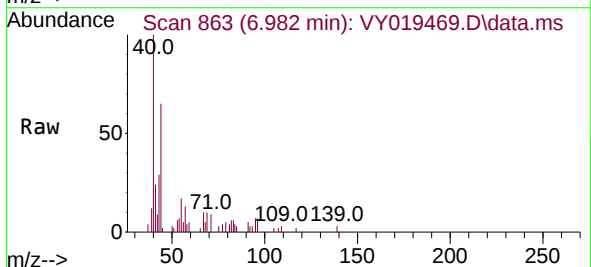


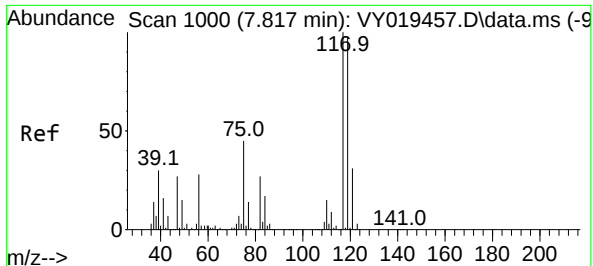
Tgt Ion: 75 Resp: 4152
Ion Ratio Lower Upper
75 100
110 12.0 19.0 57.0#
77 3.9 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.460 ug/l
RT: 6.982 min Scan# 863
Delta R.T. 0.000 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 41.7 7.8 11.8#

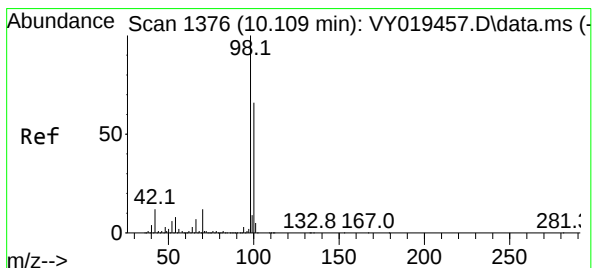
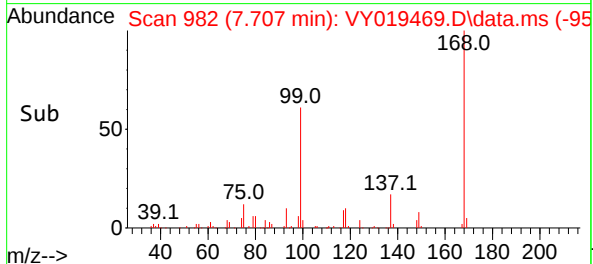
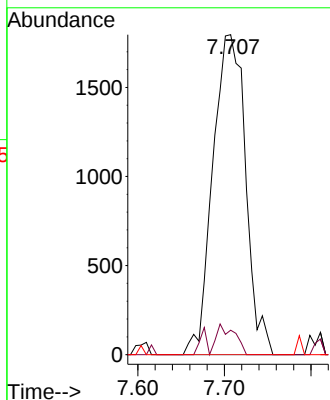
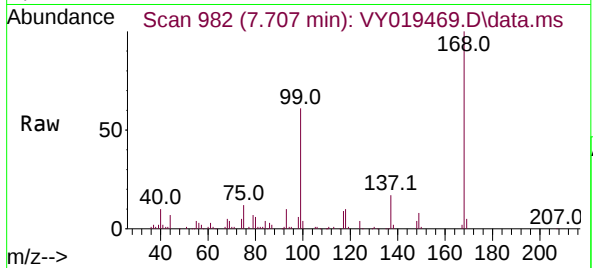




#38
Carbon Tetrachloride
Concen: 7.218 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

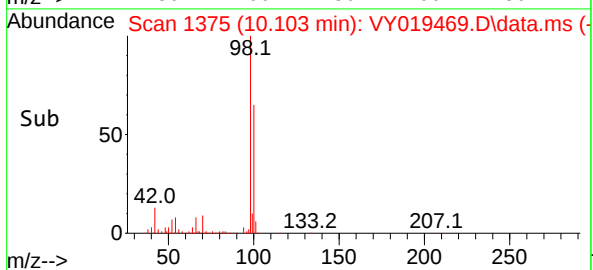
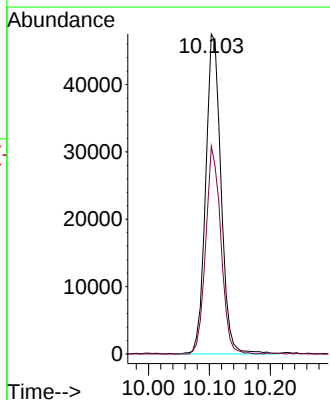
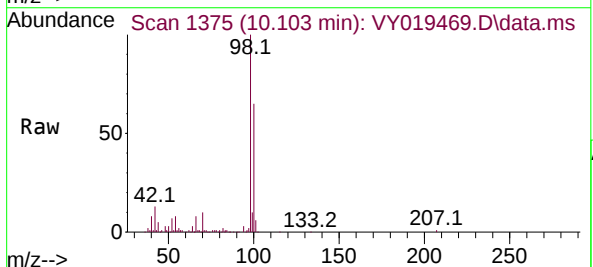
Instrument :
MSVOA_Y
ClientSampleId :

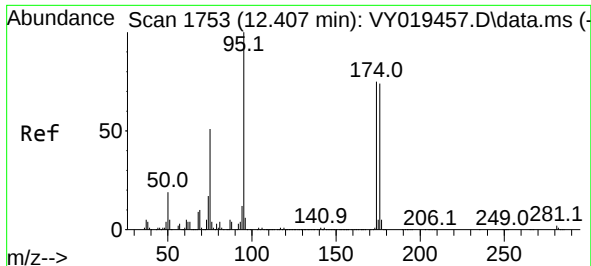
Tgt Ion:117 Resp: 4722
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 52.791 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019469.D
Acq: 09 Sep 2024 16:43

Tgt Ion: 98 Resp: 83245
Ion Ratio Lower Upper
98 100
100 63.9 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 32.545 ug/l

RT: 12.408 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

Instrument :

MSVOA_Y

ClientSampleId :

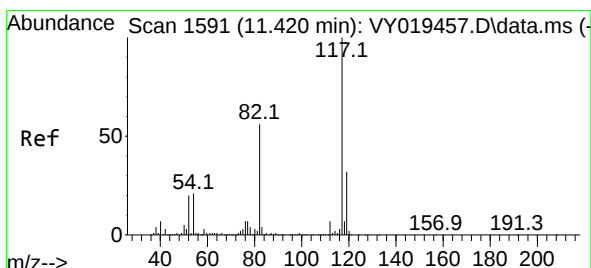
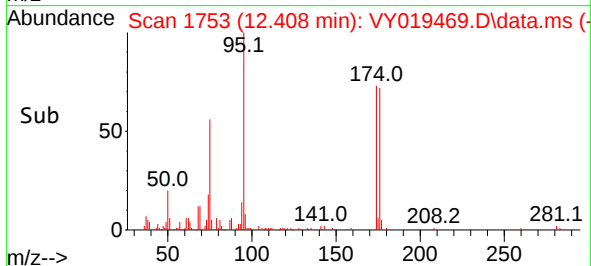
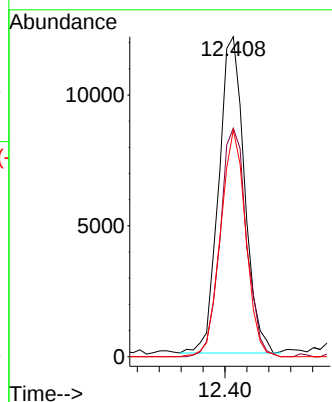
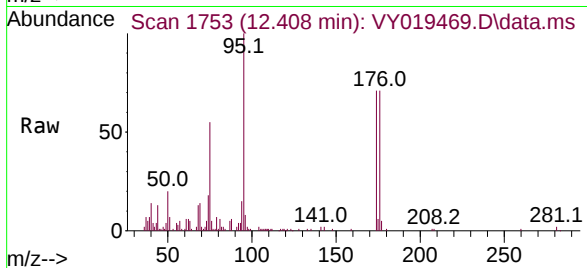
Tgt Ion: 95 Resp: 19733

Ion Ratio Lower Upper

95 100

174 73.6 0.0 175.6

176 70.1 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: VY019469.D

Acq: 09 Sep 2024 16:43

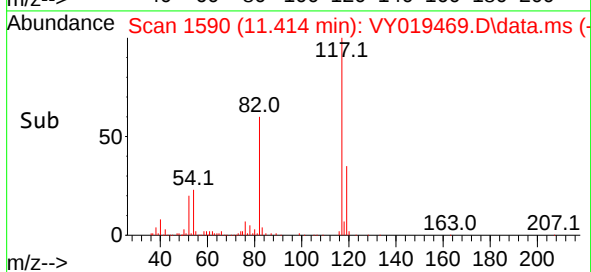
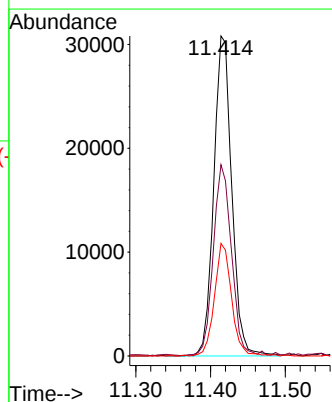
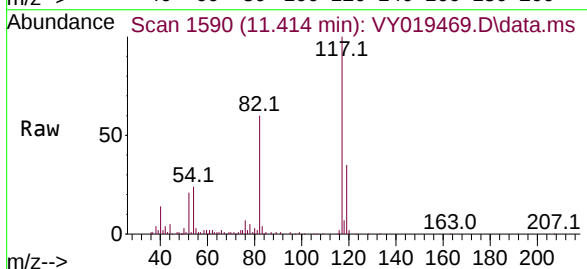
Tgt Ion: 117 Resp: 51509

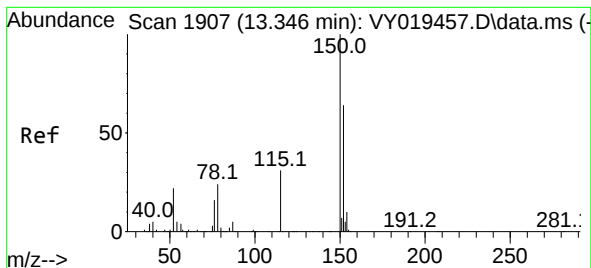
Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 35.1 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

Instrument :

MSVOA_Y

ClientSampleId :

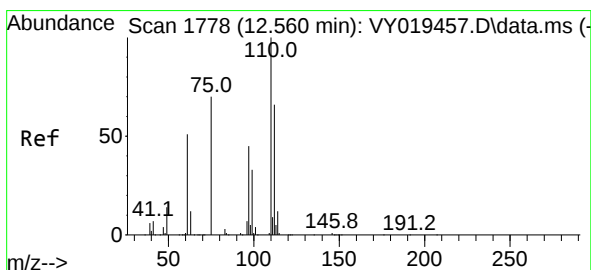
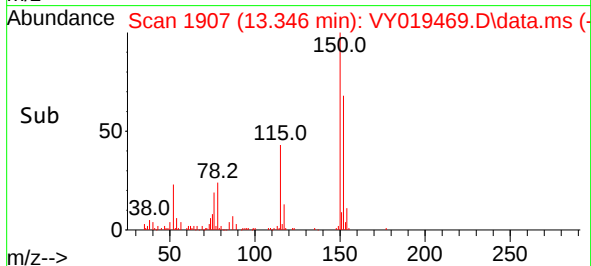
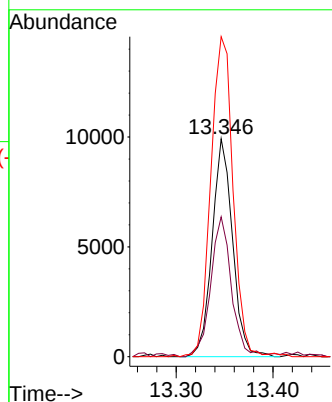
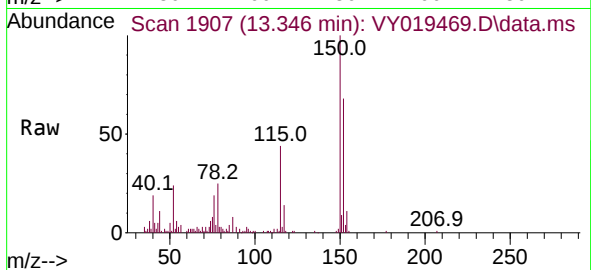
Tgt Ion:152 Resp: 14545

Ion Ratio Lower Upper

152 100

115 65.0 28.2 84.7

150 159.4 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 77.108 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019469.D

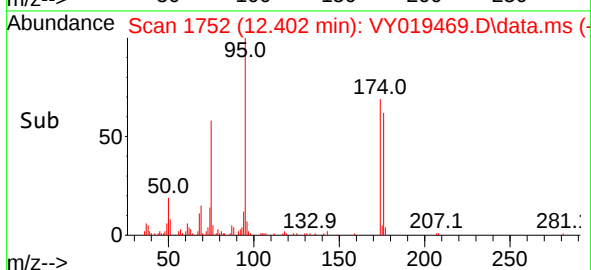
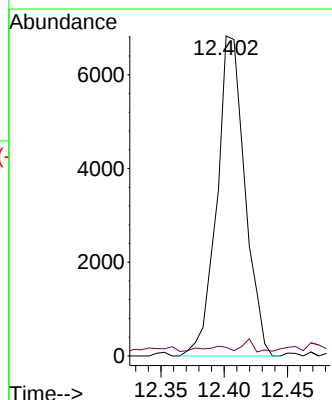
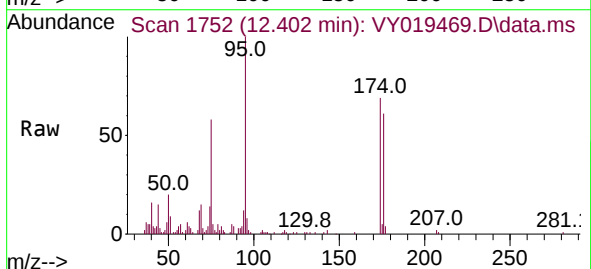
Acq: 09 Sep 2024 16:43

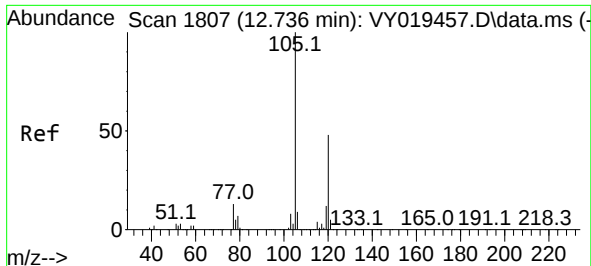
Tgt Ion: 75 Resp: 10512

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

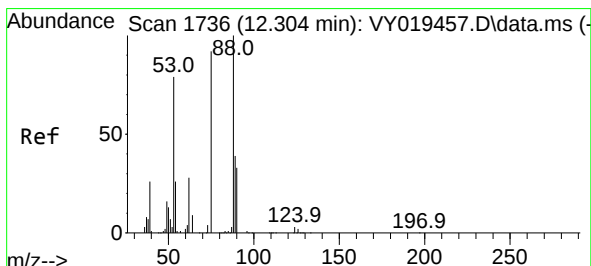
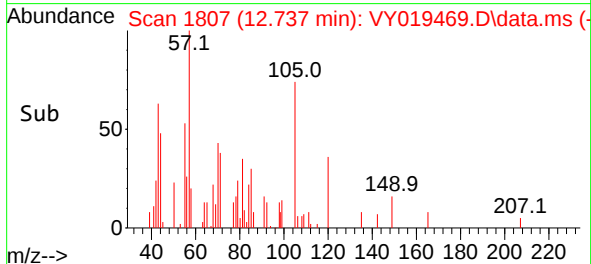
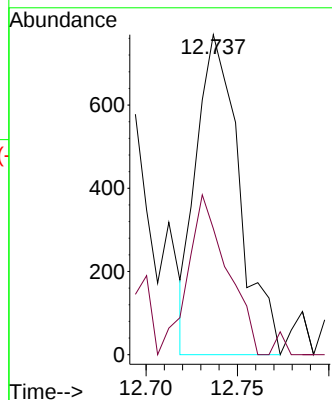
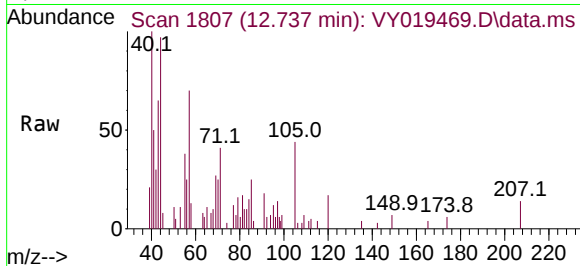




#80
 1,3,5-Trimethylbenzene
 Concen: 1.461 ug/l
 RT: 12.737 min Scan# 1752
 Delta R.T. 0.000 min
 Lab File: VY019469.D
 Acq: 09 Sep 2024 16:43

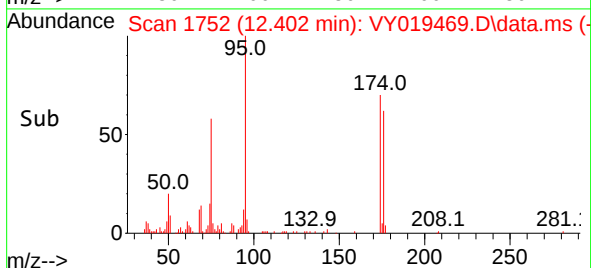
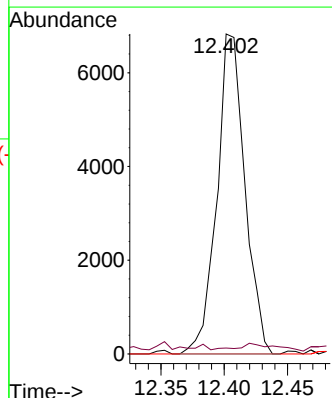
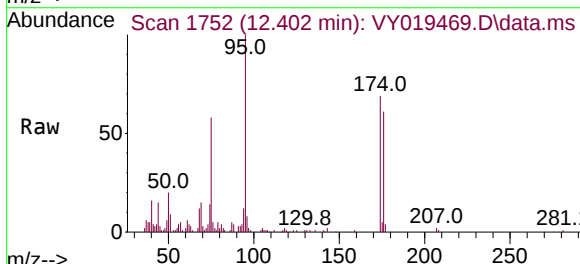
Instrument :
 MSVOA_Y
 ClientSampleId :

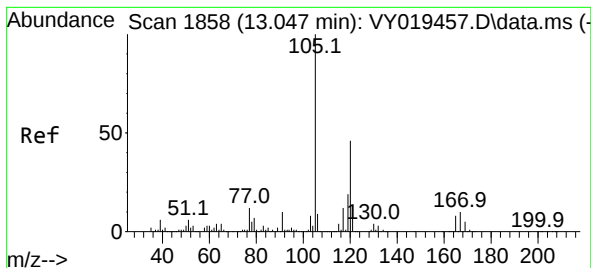
Tgt Ion:105 Resp: 1253
 Ion Ratio Lower Upper
 105 100
 120 46.1 25.1 75.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.024 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. 0.098 min
 Lab File: VY019469.D
 Acq: 09 Sep 2024 16:43

Tgt Ion: 75 Resp: 10512
 Ion Ratio Lower Upper
 75 100
 53 2.7 66.8 100.2#
 89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.402 ug/l

RT: 13.048 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

Instrument :

MSVOA_Y

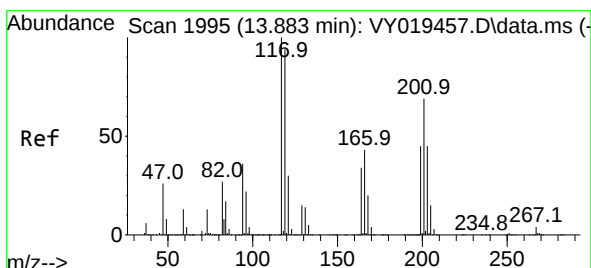
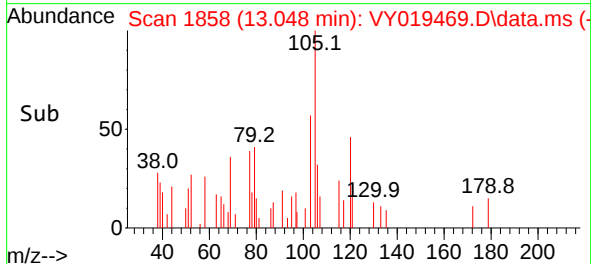
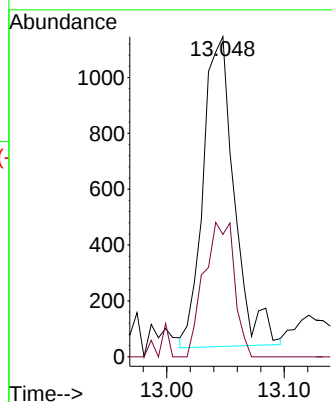
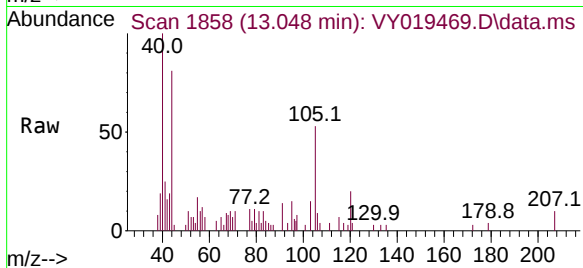
ClientSampleId :

Tgt Ion:105 Resp: 2040

Ion Ratio Lower Upper

105 100

120 42.4 23.2 69.6



#90

Hexachloroethane

Concen: 1.119 ug/l

RT: 13.895 min Scan# 1997

Delta R.T. 0.013 min

Lab File: VY019469.D

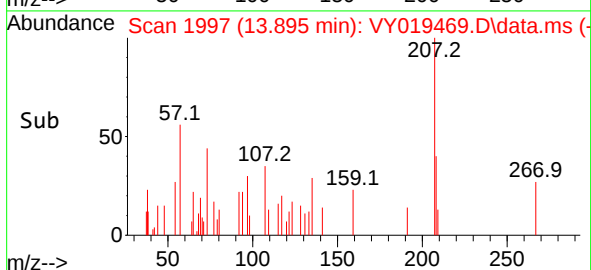
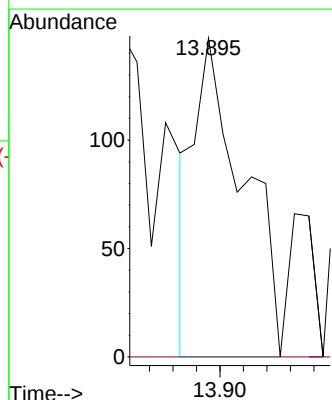
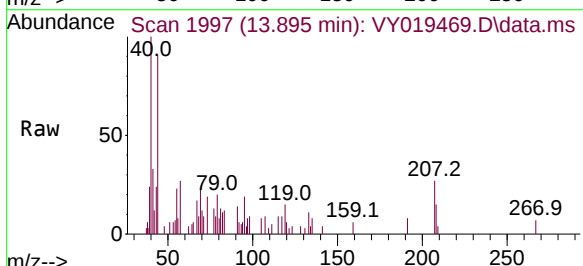
Acq: 09 Sep 2024 16:43

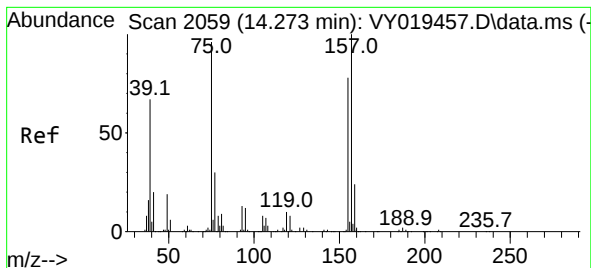
Tgt Ion:117 Resp: 215

Ion Ratio Lower Upper

117 100

201 0.0 37.4 112.2#

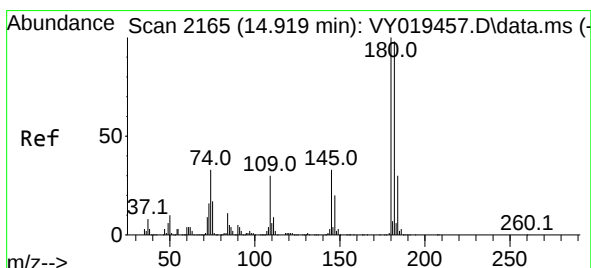
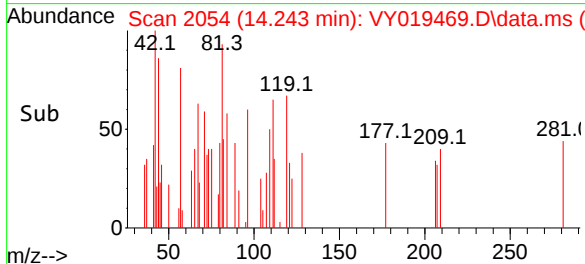
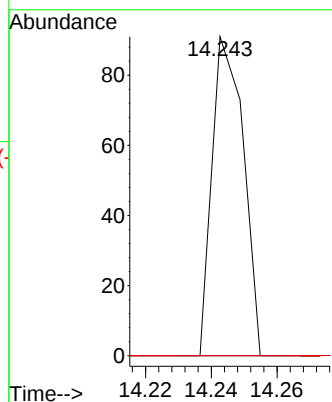
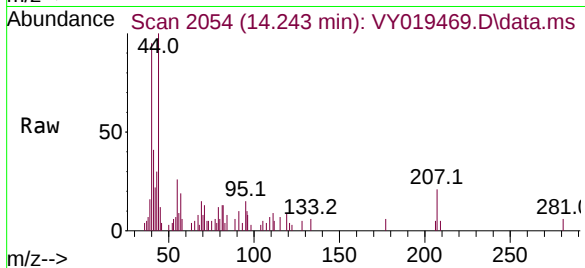




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.922 ug/l
 RT: 14.243 min Scan# 2054
 Delta R.T. -0.030 min
 Lab File: VY019469.D
 Acq: 09 Sep 2024 16:43

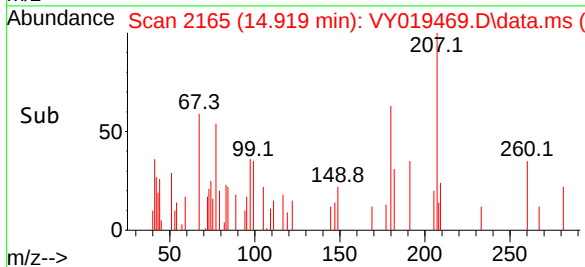
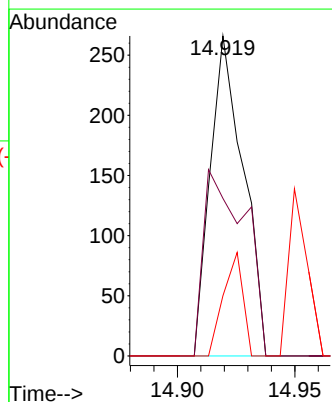
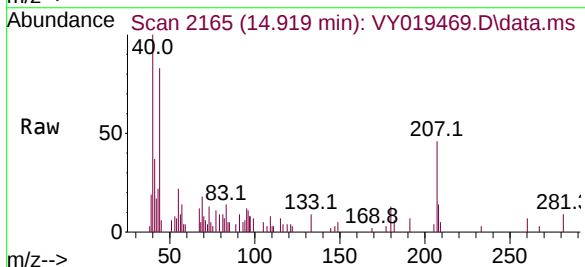
Instrument :
 MSVOA_Y
 ClientSampleId :

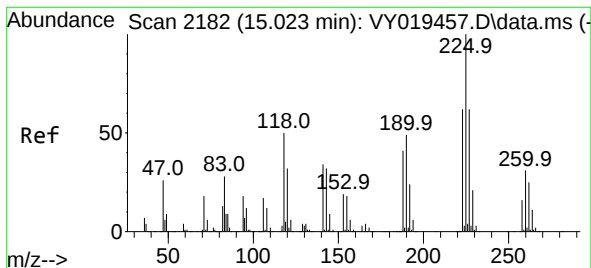
Tgt Ion: 75 Resp: 60
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.053 ug/l
 RT: 14.919 min Scan# 2165
 Delta R.T. 0.000 min
 Lab File: VY019469.D
 Acq: 09 Sep 2024 16:43

Tgt Ion: 180 Resp: 260
 Ion Ratio Lower Upper
 180 100
 182 73.1 47.9 143.8
 145 19.2 14.2 42.6





#94

Hexachlorobutadiene

Concen: 1.312 ug/l

RT: 15.017 min Scan# 2182

Delta R.T. -0.006 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

Instrument :

MSVOA_Y

ClientSampleId :

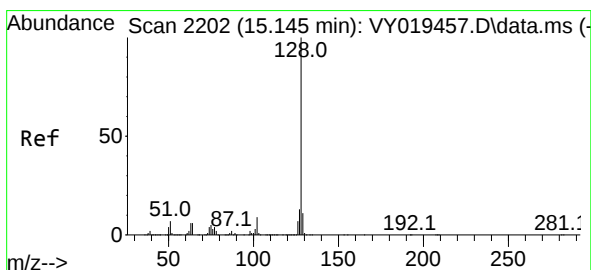
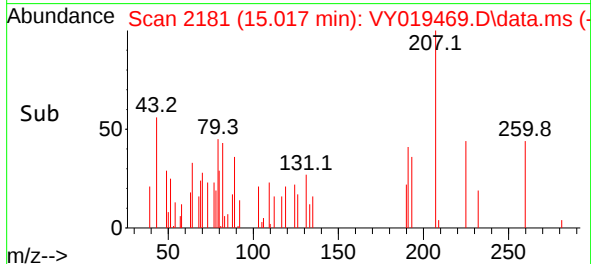
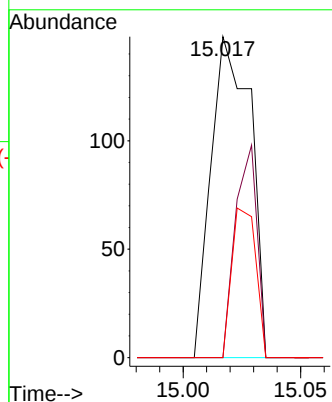
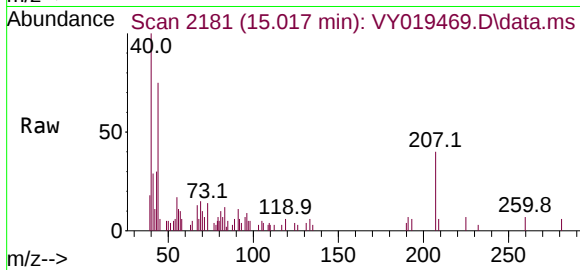
Tgt Ion:225 Resp: 173

Ion Ratio Lower Upper

225 100

223 36.4 30.4 91.2

227 28.3 31.9 95.9#



#95

Naphthalene

Concen: 1.961 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. 0.006 min

Lab File: VY019469.D

Acq: 09 Sep 2024 16:43

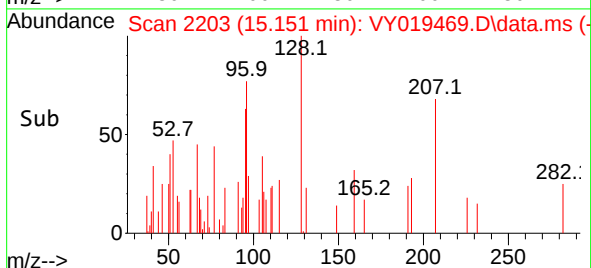
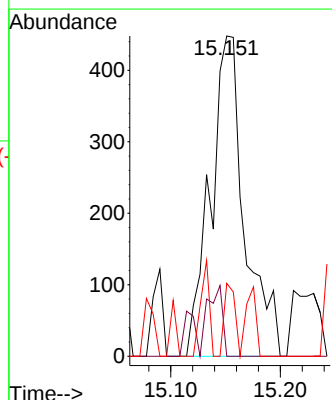
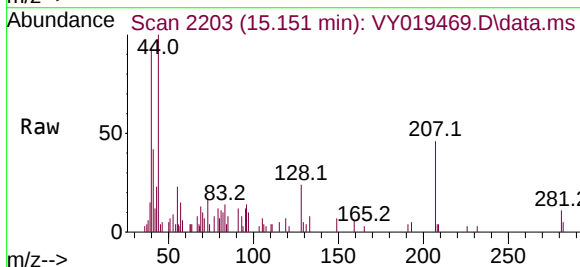
Tgt Ion:128 Resp: 969

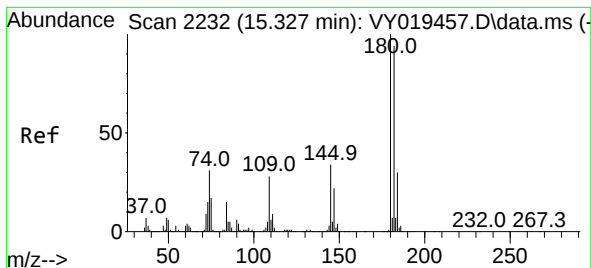
Ion Ratio Lower Upper

128 100

127 9.6 10.6 16.0#

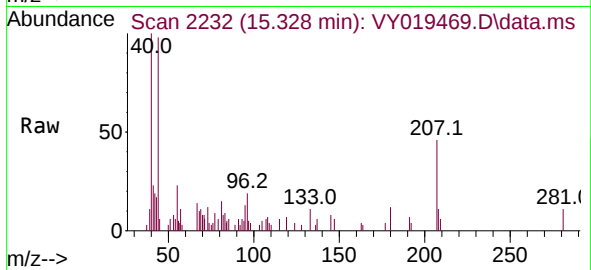
129 7.2 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.042 ug/l
 RT: 15.328 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019469.D
 Acq: 09 Sep 2024 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 220
 Ion Ratio Lower Upper
 180 100
 182 18.6 47.6 142.9#
 145 115.5 15.4 46.1#

