

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019156.D
 Acq On : 20 Aug 2024 17:16
 Operator : SY/MD
 Sample : P3643-09
 Misc : 7.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:32:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

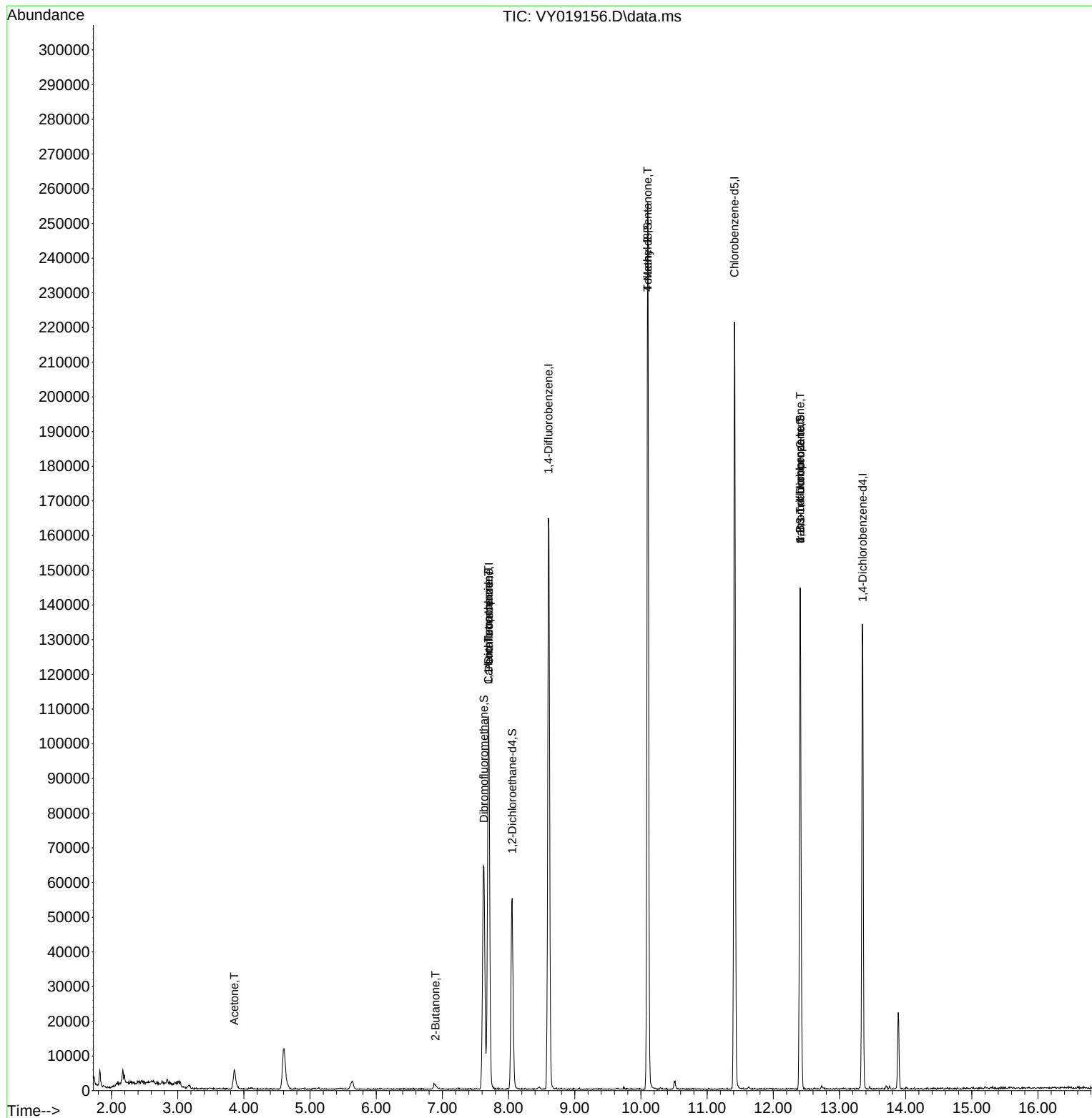
Internal Standards						
1) Pentafluorobenzene	7.701	168	82975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	145388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	118985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	34380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	43346	52.114	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.220%			
35) Dibromofluoromethane	7.628	113	46257	48.659	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.320%			
50) Toluene-d8	10.103	98	162180	47.407	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 94.820%			
62) 4-Bromofluorobenzene	12.407	95	41579	35.653	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 71.300%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.610	94	179	Below Cal	#	58
6) Chloroethane	2.690	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.787	59	30	Below Cal	#	88
13) Acrolein	3.555	56	19	Below Cal	#	15
16) Acetone	3.854	43	9408	60.991	ug/l	95
20) Methylene Chloride	4.604	84	8756	Below Cal		98
25) 2-Butanone	6.896	43	2266	9.122	ug/l	98
31) Cyclohexane	7.695	56	1860	Below Cal	#	25
36) 1,1-Dichloropropene	7.695	75	6749	5.170	ug/l #	50
38) Carbon Tetrachloride	7.695	117	8887	5.875	ug/l #	20
51) 4-Methyl-2-Pentanone	10.103	43	789	1.271	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	22109	65.209	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	22109	161.044	ug/l #	16

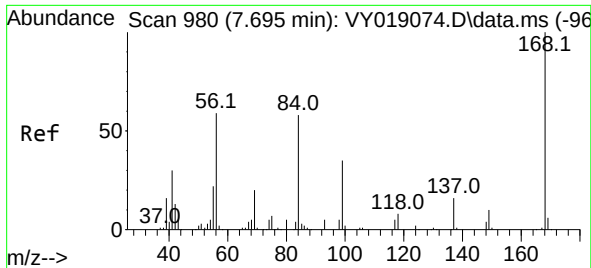
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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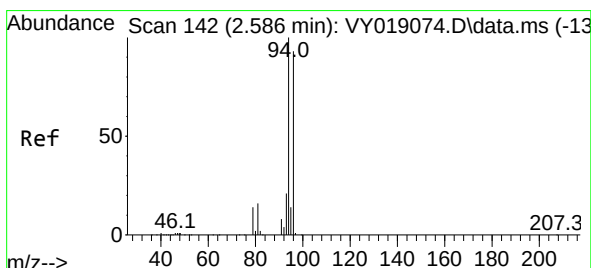
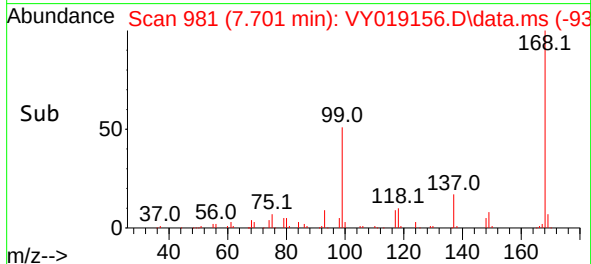
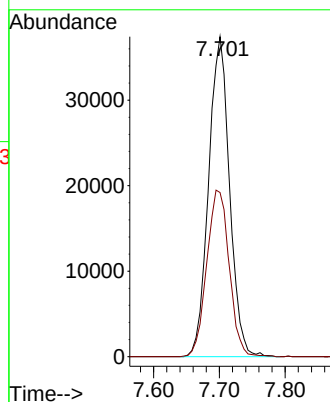
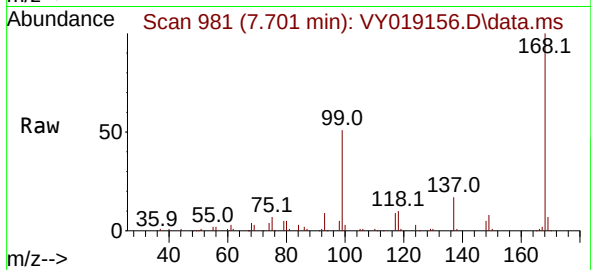




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

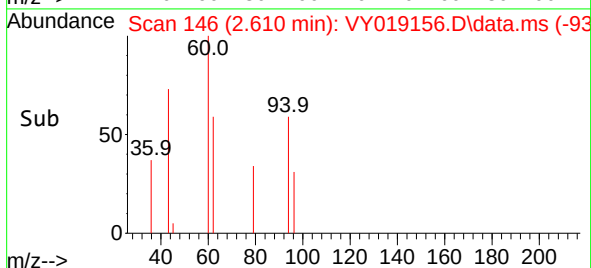
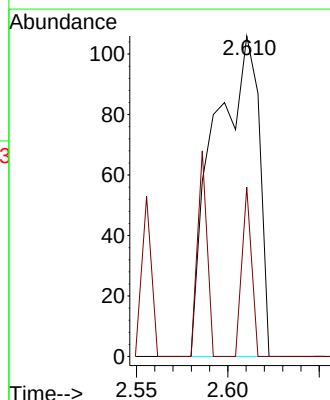
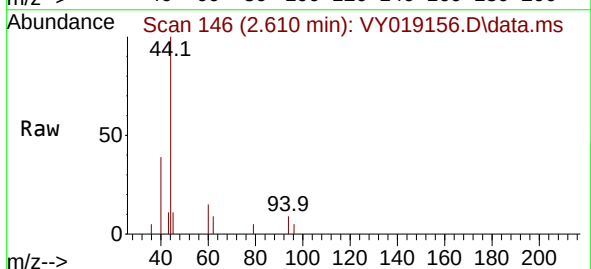
Instrument :
MSVOA_Y
ClientSampleId :

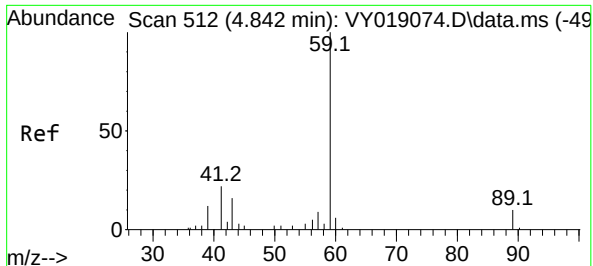
Tgt Ion:168 Resp: 82975
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.610 min Scan# 146
Delta R.T. 0.024 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 94 Resp: 179
Ion Ratio Lower Upper
94 100
96 52.8 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.787 min Scan# 50

Delta R.T. -0.055 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

Instrument :

MSVOA_Y

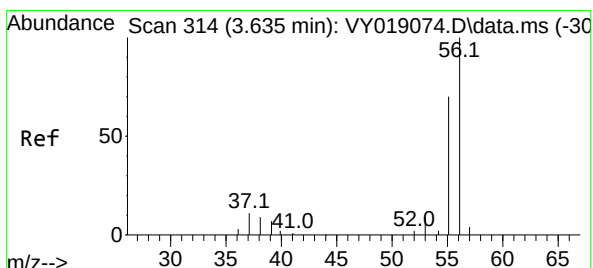
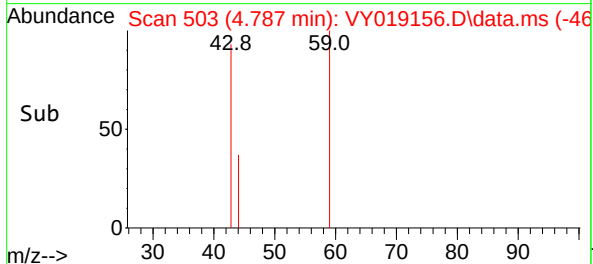
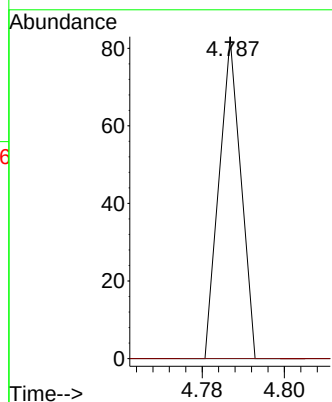
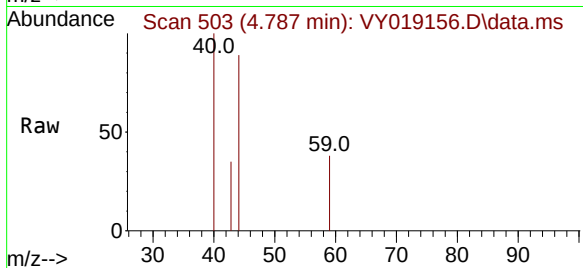
ClientSampleId :

Tgt Ion: 59 Resp: 30

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.555 min Scan# 301

Delta R.T. -0.080 min

Lab File: VY019156.D

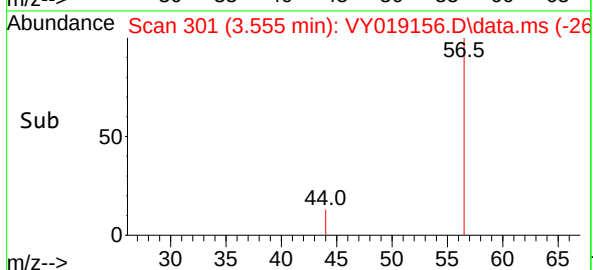
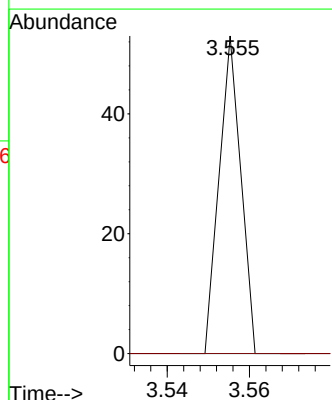
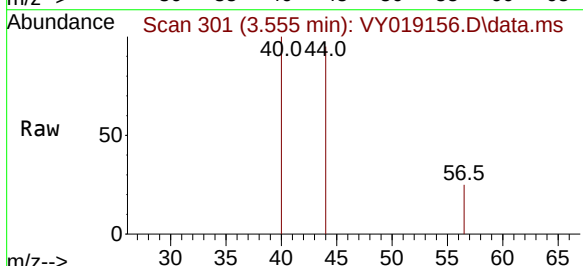
Acq: 20 Aug 2024 17:16

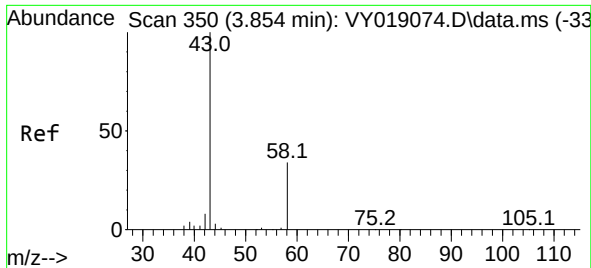
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 60.991 ug/l

RT: 3.854 min Scan# 31

Delta R.T. 0.000 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

Instrument :

MSVOA_Y

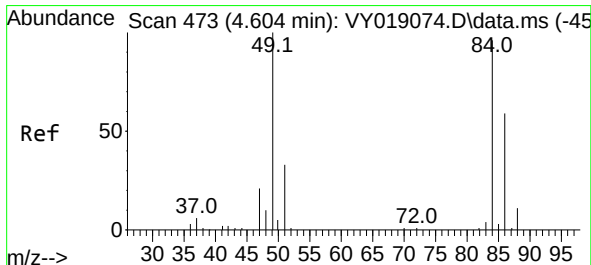
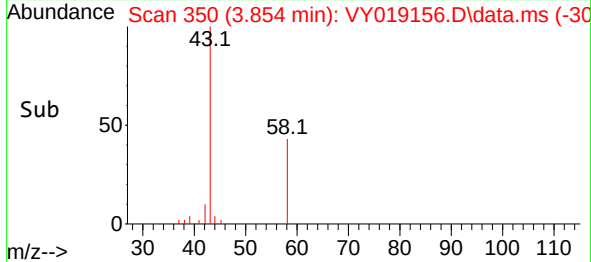
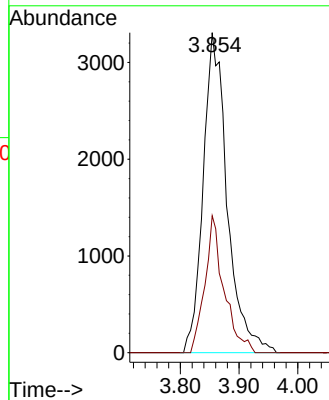
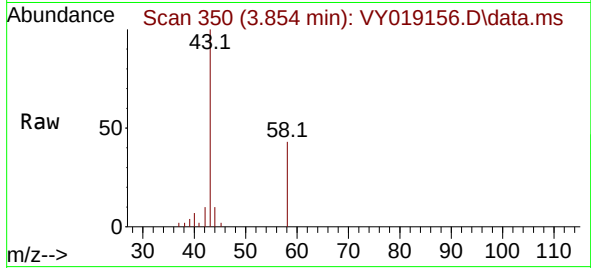
ClientSampleId :

Tgt Ion: 43 Resp: 9408

Ion Ratio Lower Upper

43 100

58 42.8 31.7 47.5



#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 473

Delta R.T. -0.000 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

Tgt Ion: 84 Resp: 8756

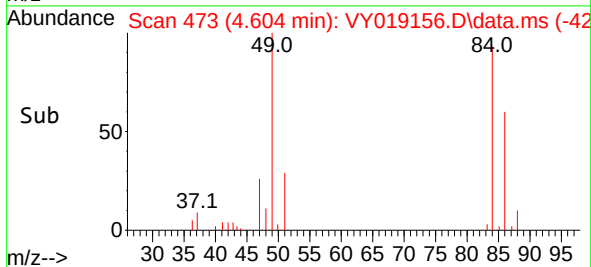
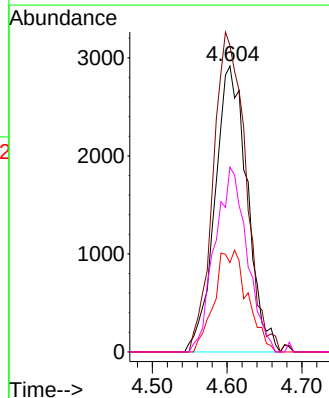
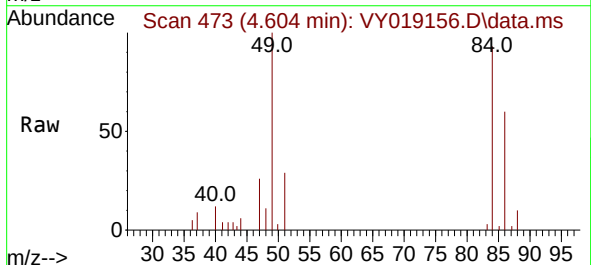
Ion Ratio Lower Upper

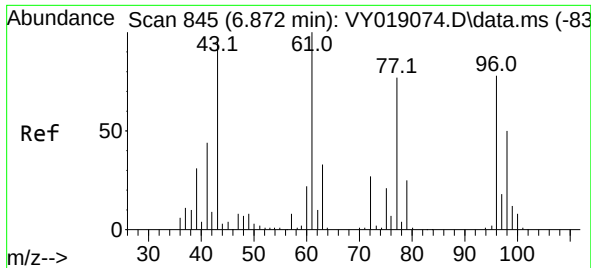
84 100

49 107.2 84.4 126.6

51 31.3 26.0 39.0

86 64.7 49.5 74.3





#25

2-Butanone

Concen: 9.122 ug/l

RT: 6.896 min Scan# 845

Delta R.T. 0.024 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

Instrument :

MSVOA_Y

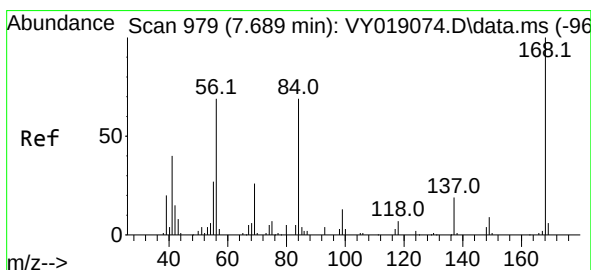
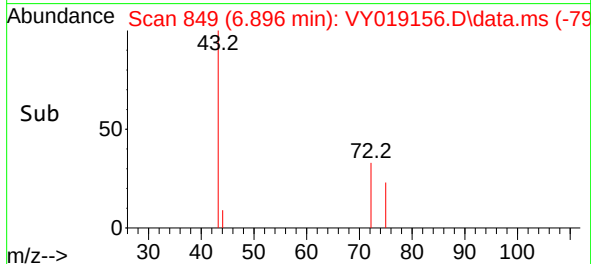
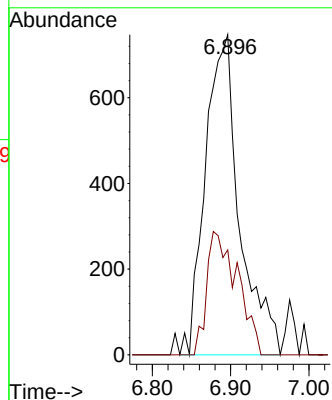
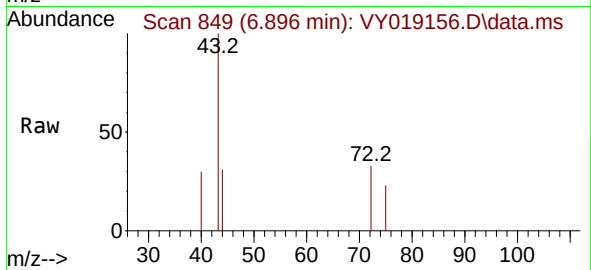
ClientSampleId :

Tgt Ion: 43 Resp: 2266

Ion Ratio Lower Upper

43 100

72 32.8 27.3 40.9



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

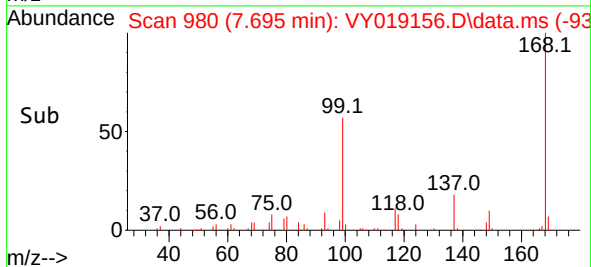
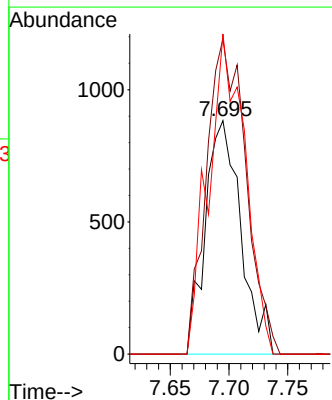
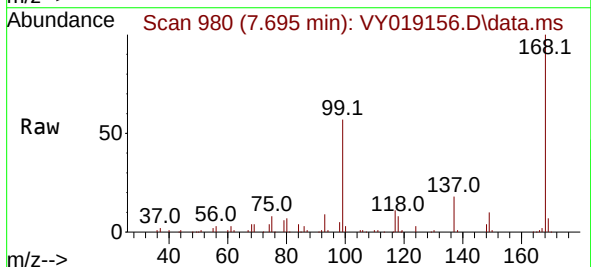
Tgt Ion: 56 Resp: 1860

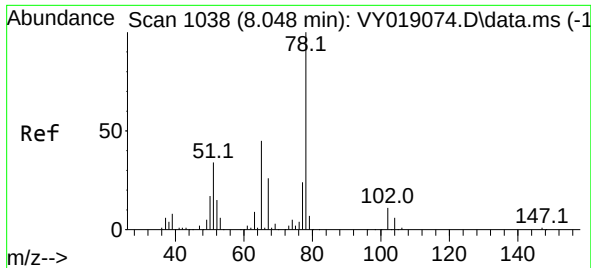
Ion Ratio Lower Upper

56 100

69 135.1 28.7 43.1#

84 137.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 52.114 ug/l

RT: 8.054 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

Instrument :

MSVOA_Y

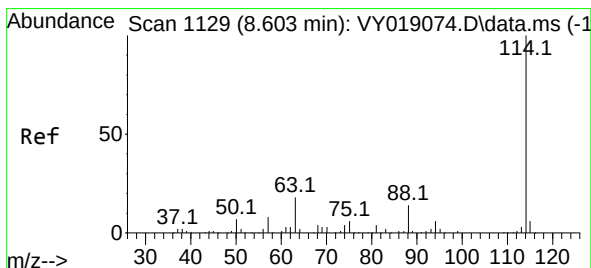
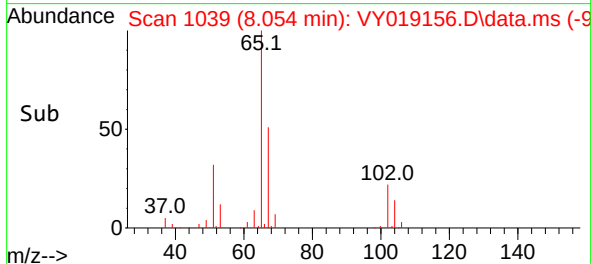
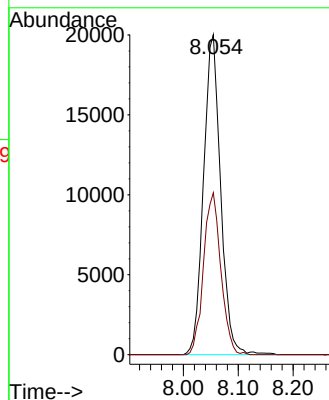
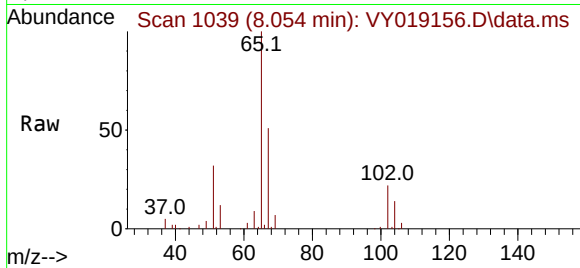
ClientSampleId :

Tgt Ion: 65 Resp: 43346

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019156.D

Acq: 20 Aug 2024 17:16

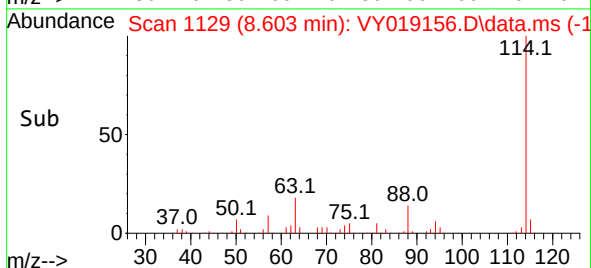
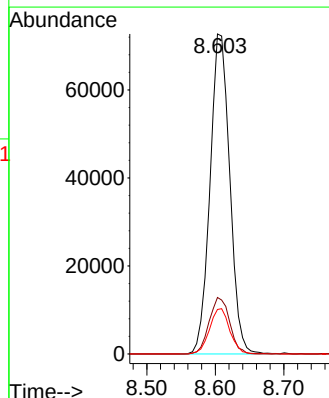
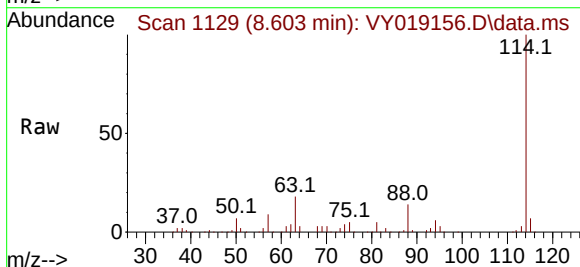
Tgt Ion: 114 Resp: 145388

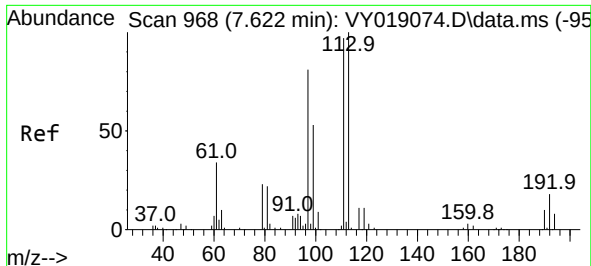
Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

88 13.9 0.0 27.2

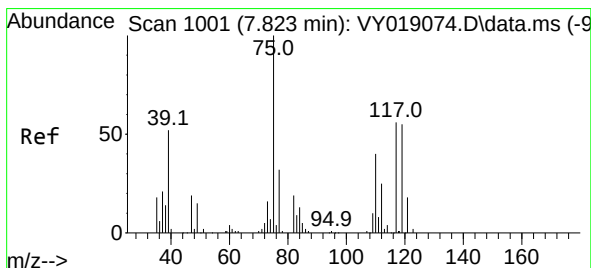
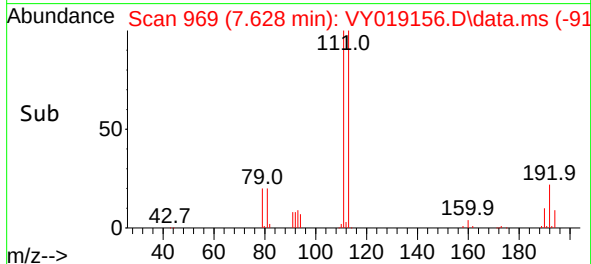
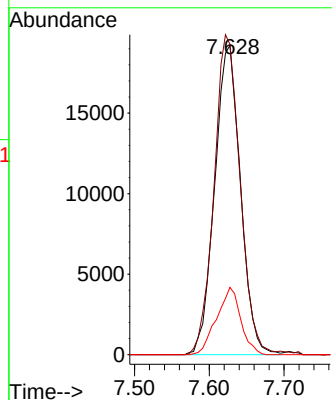
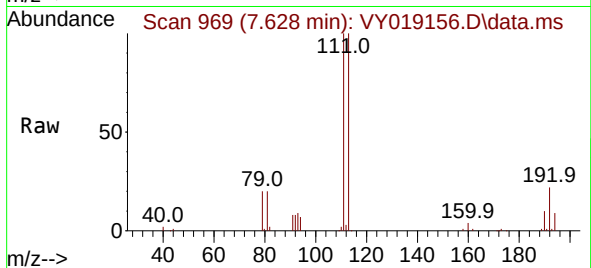




#35
Dibromofluoromethane
Concen: 48.659 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

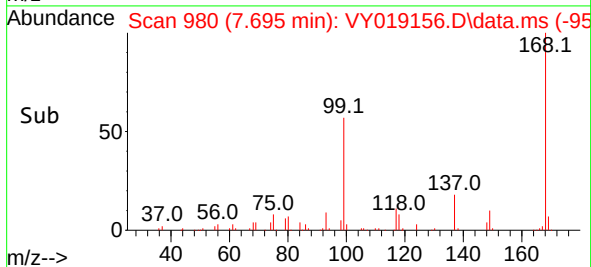
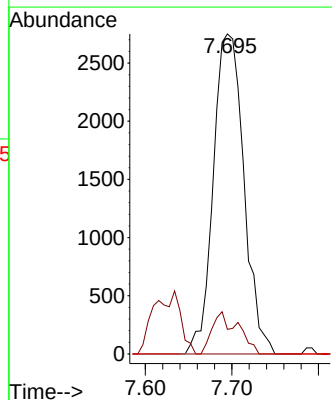
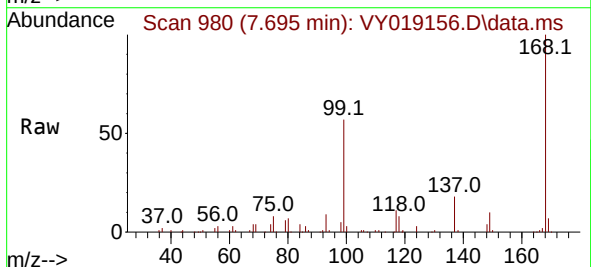
Instrument :
MSVOA_Y
ClientSampleId :

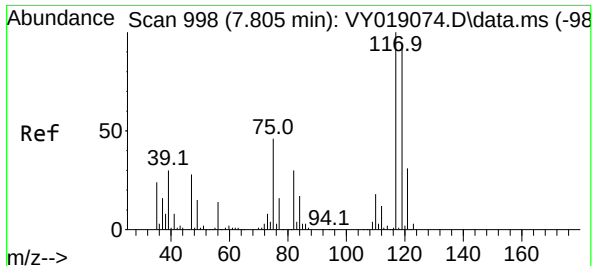
Tgt Ion:113 Resp: 46257
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 20.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.170 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

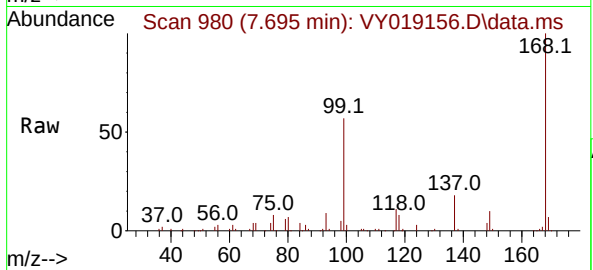
Tgt Ion: 75 Resp: 6749
Ion Ratio Lower Upper
75 100
110 11.1 19.0 57.0#
77 0.0 25.3 37.9#



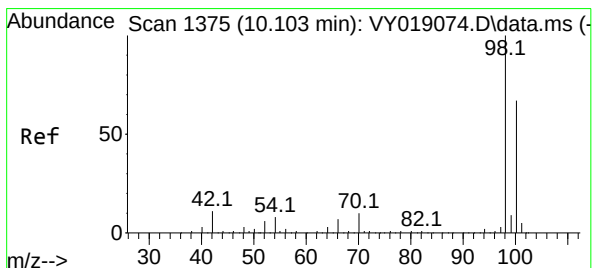
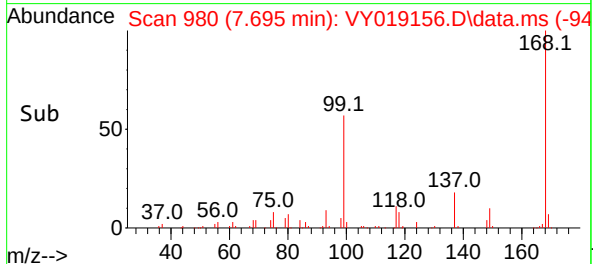
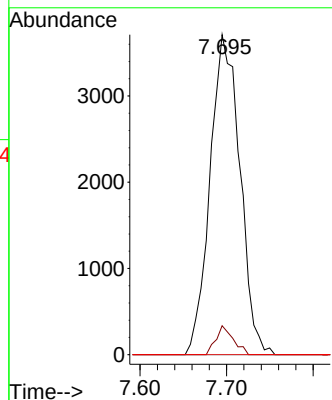


#38
Carbon Tetrachloride
Concen: 5.875 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_Y
ClientSampleId :

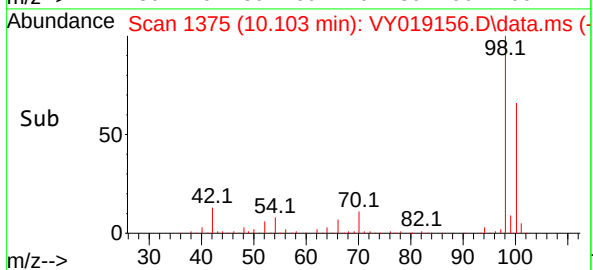
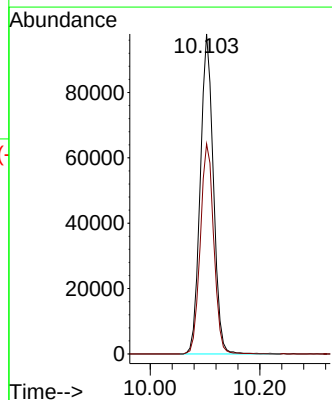
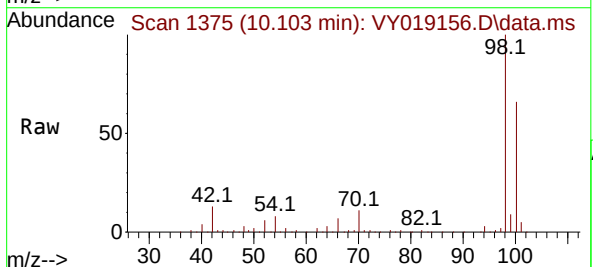


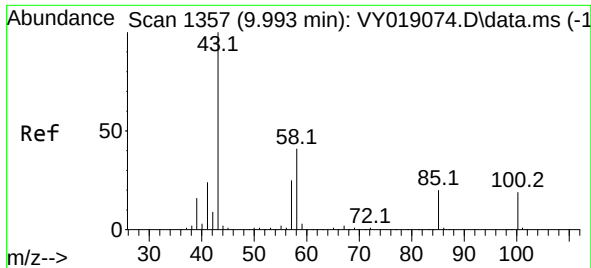
Tgt Ion:117 Resp: 8887
Ion Ratio Lower Upper
117 100
119 9.1 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.407 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 98 Resp: 162180
Ion Ratio Lower Upper
98 100
100 67.5 52.0 78.0

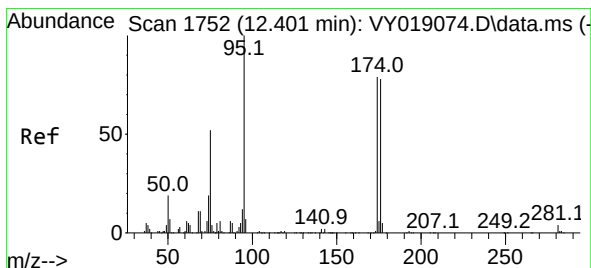
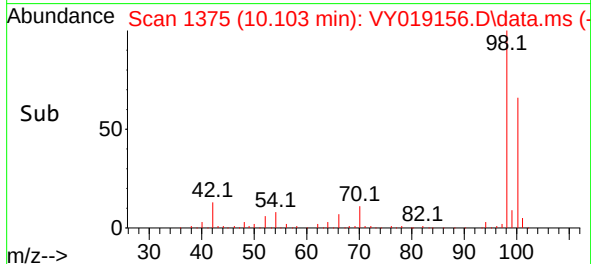
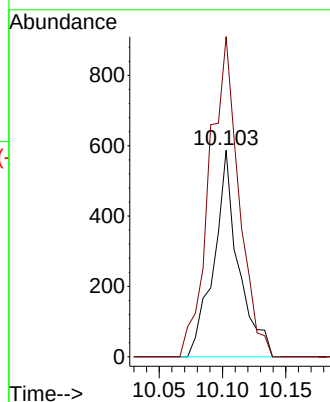
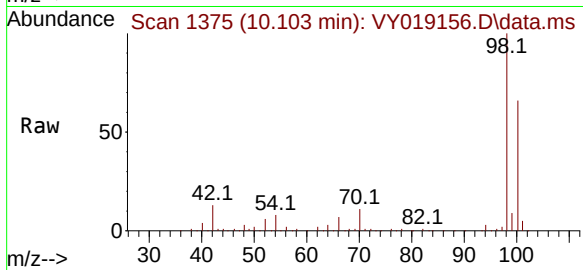




#51
4-Methyl-2-Pentanone
Concen: 1.271 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

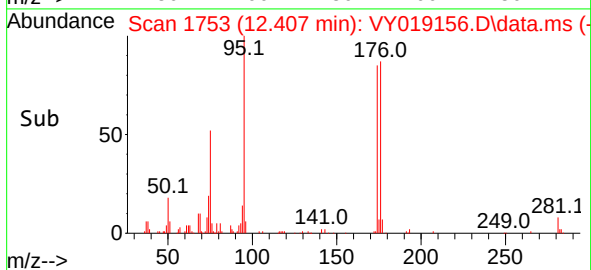
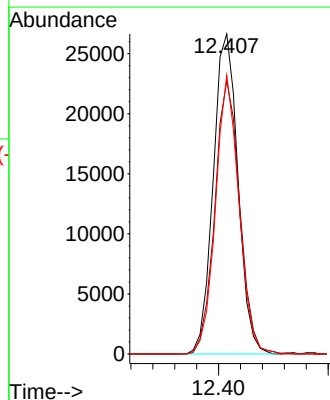
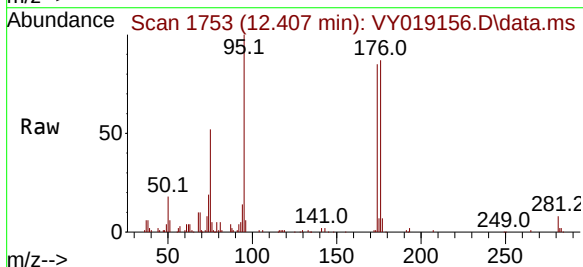
Instrument :
MSVOA_Y
ClientSampleId :

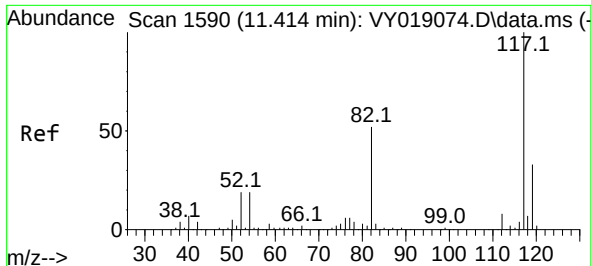
Tgt Ion: 43 Resp: 789
Ion Ratio Lower Upper
43 100
58 187.3 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 35.653 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 95 Resp: 41579
Ion Ratio Lower Upper
95 100
174 86.2 0.0 175.6
176 82.4 0.0 171.4

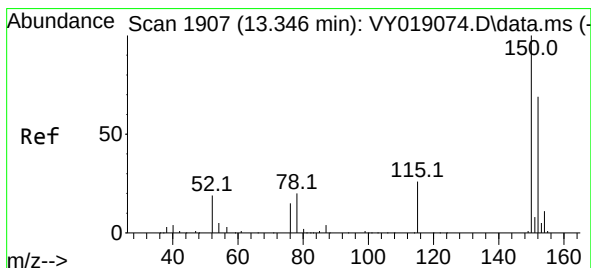
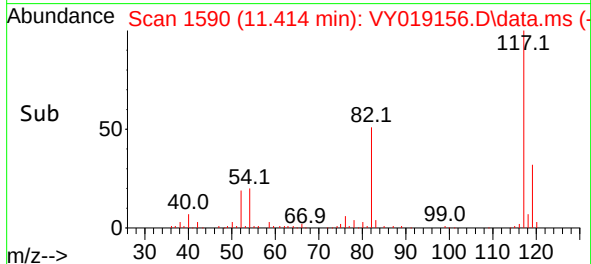
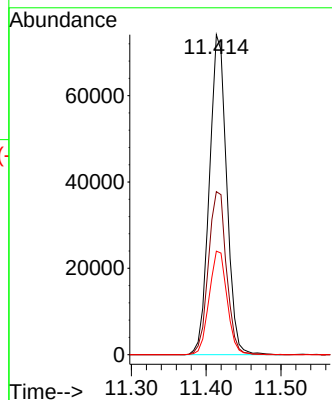
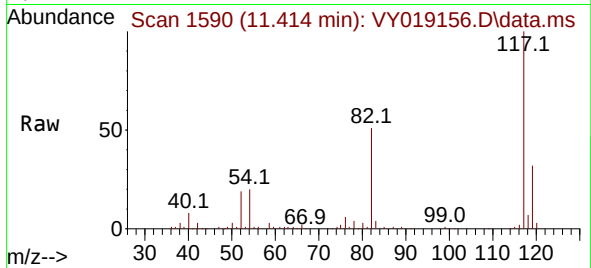




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

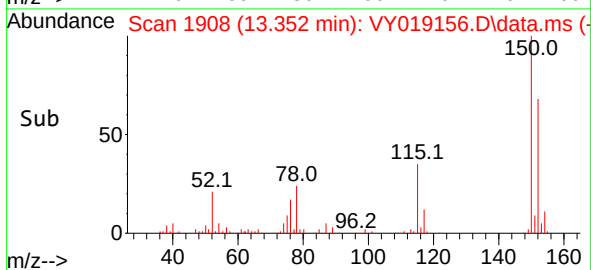
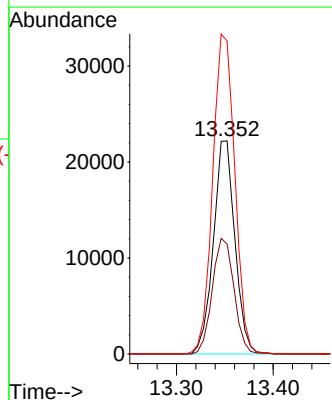
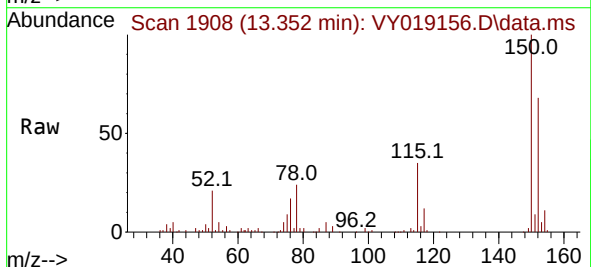
Instrument :
MSVOA_Y
ClientSampleId :

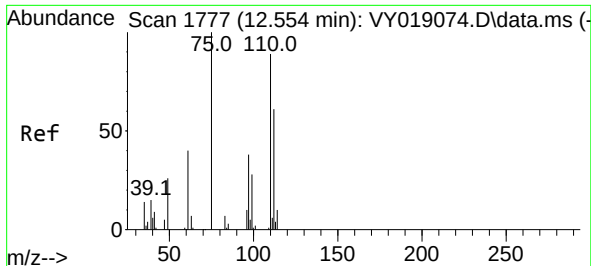
Tgt Ion:117 Resp: 118985
Ion Ratio Lower Upper
117 100
82 51.0 42.4 63.6
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Tgt Ion:152 Resp: 34380
Ion Ratio Lower Upper
152 100
115 54.7 28.2 84.7
150 154.1 0.0 345.6

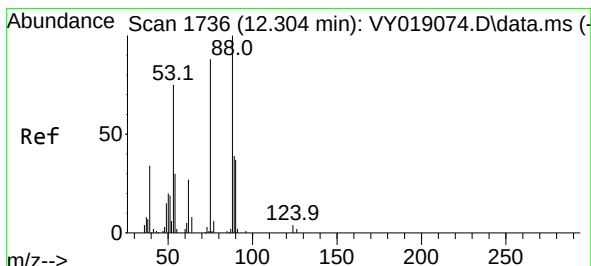
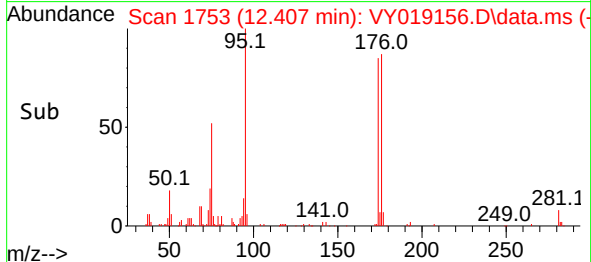
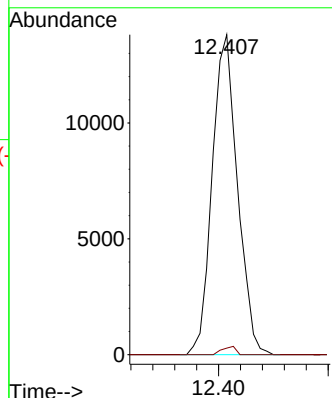
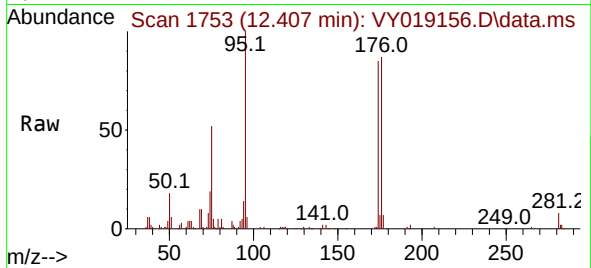




#76
1,2,3-Trichloropropane
Concen: 65.209 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22109
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 161.044 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019156.D
Acq: 20 Aug 2024 17:16

Tgt Ion: 75 Resp: 22109
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#

