

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019160.D
 Acq On : 20 Aug 2024 18:53
 Operator : SY/MD
 Sample : P3643-13
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:33:46 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)

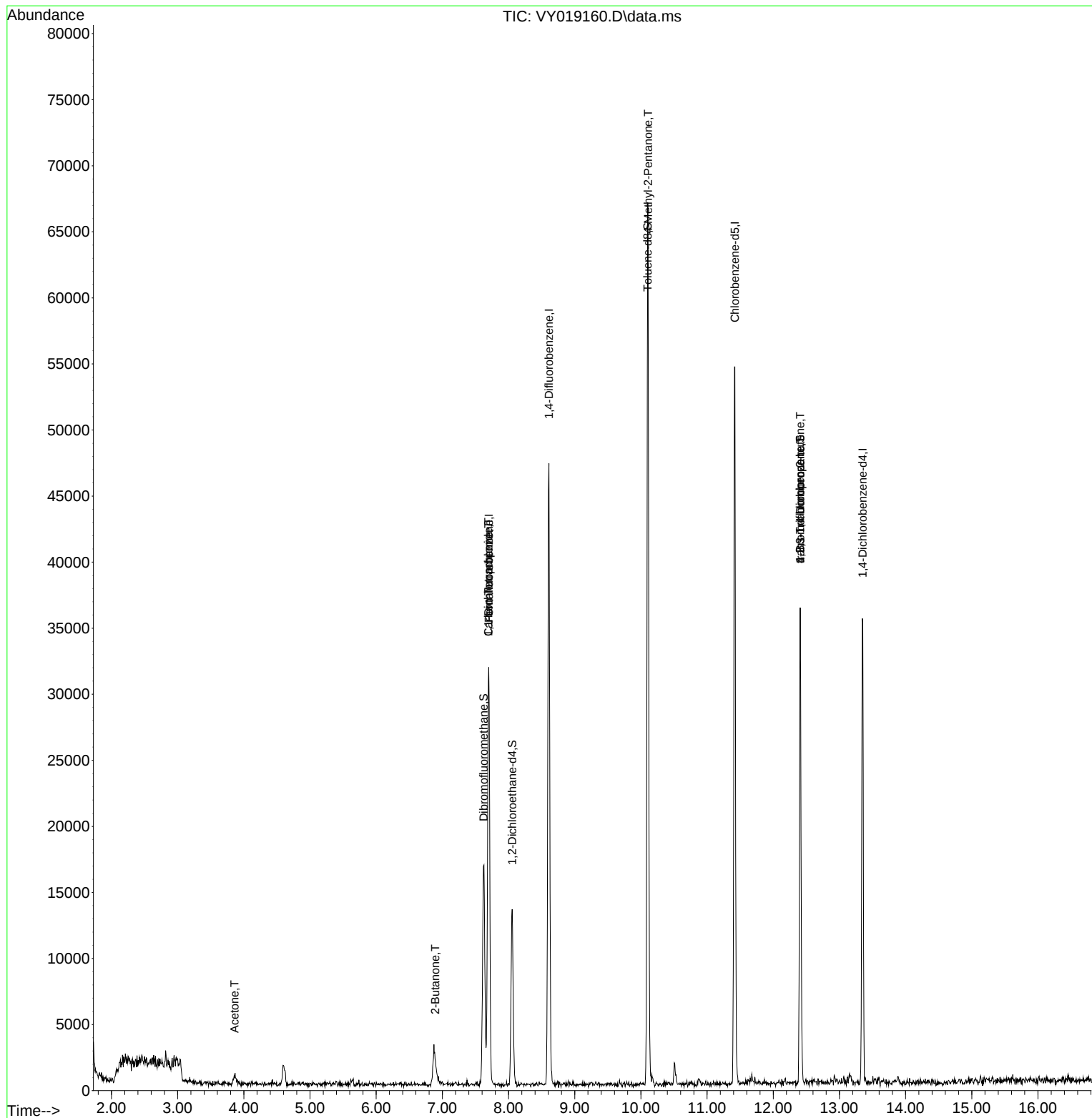
Internal Standards						
1) Pentafluorobenzene	7.701	168	25378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	41454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	29915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	9161	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	10541	41.436	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	82.880%		
35) Dibromofluoromethane	7.622	113	12336	45.512	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.020%		
50) Toluene-d8	10.103	98	43296	44.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	88.780%		
62) 4-Bromofluorobenzene	12.408	95	10886	32.738	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	65.480%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	24	Below Cal	#	79
6) Chloroethane	2.720	64	46	Below Cal	#	42
16) Acetone	3.860	43	1343	28.467	ug/l #	84
20) Methylene Chloride	4.592	84	388	Below Cal	#	69
25) 2-Butanone	6.890	43	195	2.566	ug/l #	41
31) Cyclohexane	7.701	56	346	Below Cal	#	1
36) 1,1-Dichloropropene	7.695	75	1992	5.352	ug/l #	41
38) Carbon Tetrachloride	7.695	117	2643	6.127	ug/l #	13
51) 4-Methyl-2-Pentanone	10.109	43	252	1.424	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	5713	63.236	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	5713	156.172	ug/l #	16

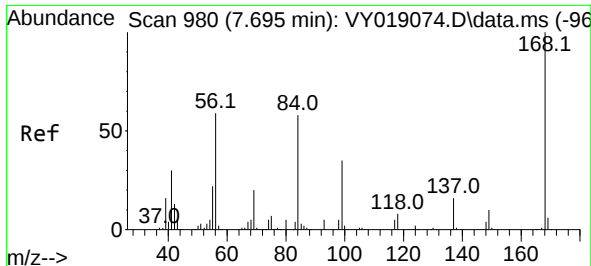
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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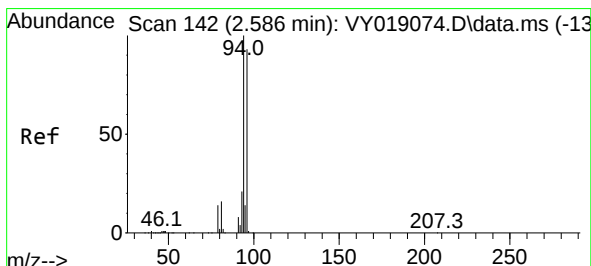
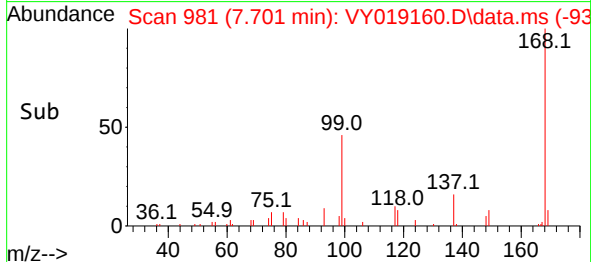
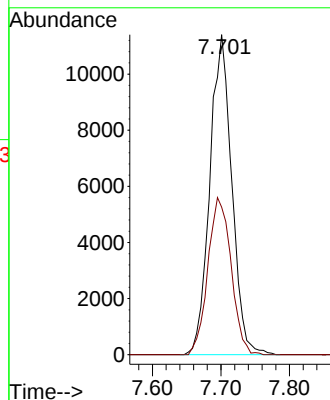
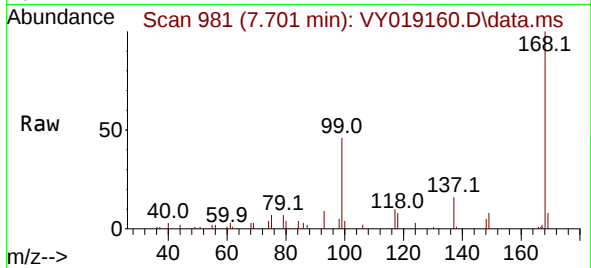




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

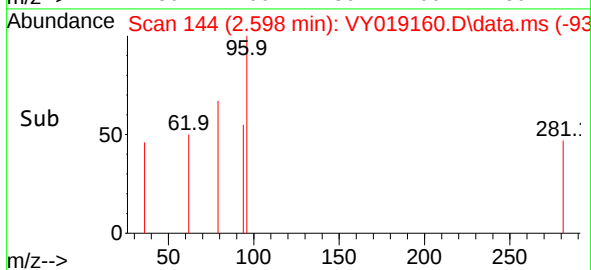
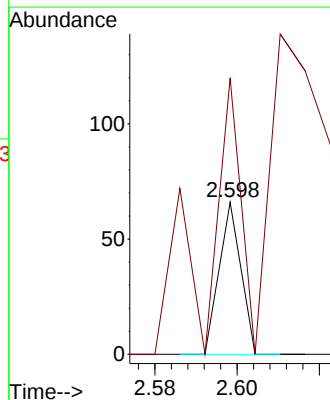
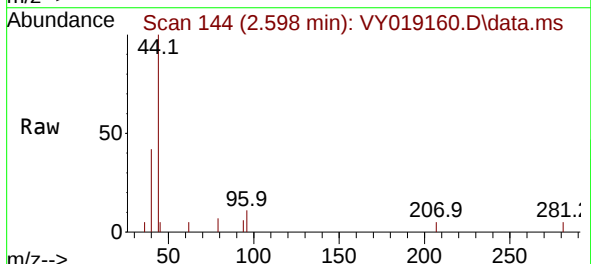
Instrument :
MSVOA_Y
ClientSampleId :

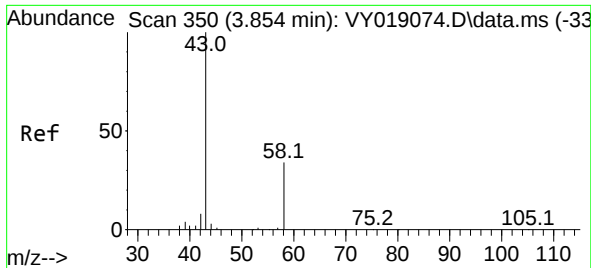
Tgt Ion:168 Resp: 25378
Ion Ratio Lower Upper
168 100
99 46.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 72.7 74.1 111.1#





#16

Acetone

Concen: 28.467 ug/l

RT: 3.860 min Scan# 31

Delta R.T. 0.006 min

Lab File: VY019160.D

Acq: 20 Aug 2024 18:53

Instrument :

MSVOA_Y

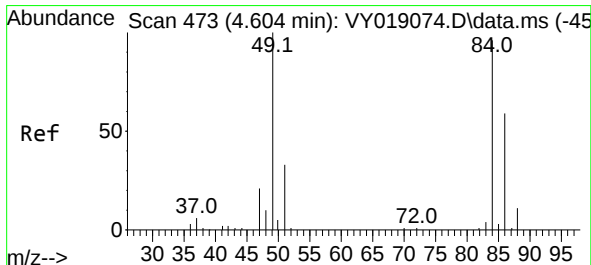
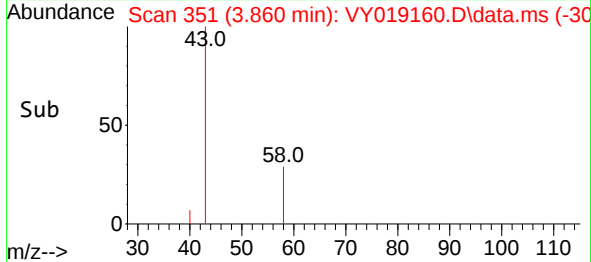
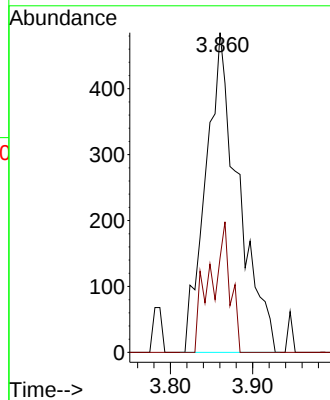
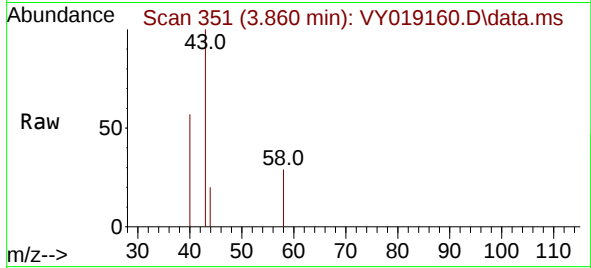
ClientSampleId :

Tgt Ion: 43 Resp: 1343

Ion Ratio Lower Upper

43 100

58 29.5 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.592 min Scan# 471

Delta R.T. -0.012 min

Lab File: VY019160.D

Acq: 20 Aug 2024 18:53

Tgt Ion: 84 Resp: 388

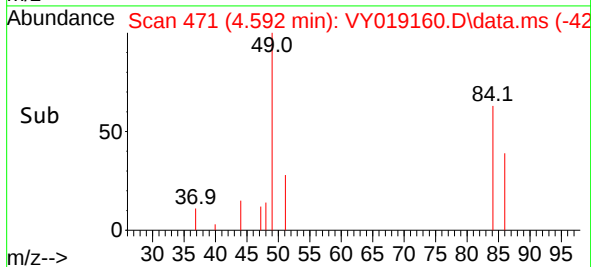
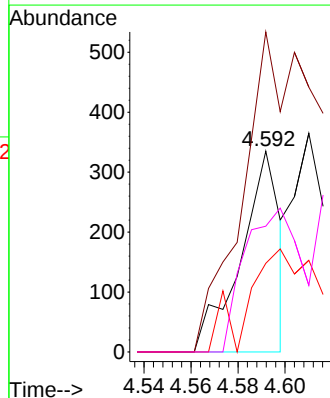
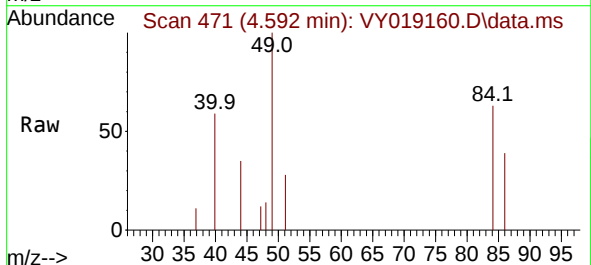
Ion Ratio Lower Upper

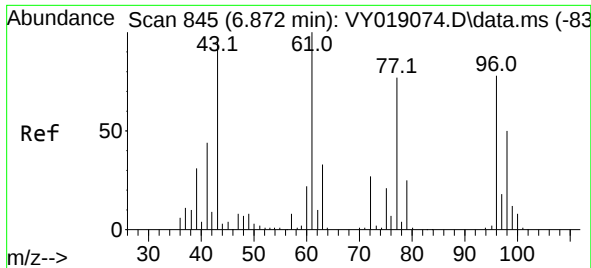
84 100

49 159.4 84.4 126.6#

51 44.2 26.0 39.0#

86 62.7 49.5 74.3

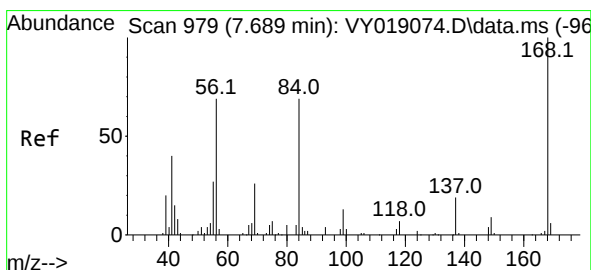
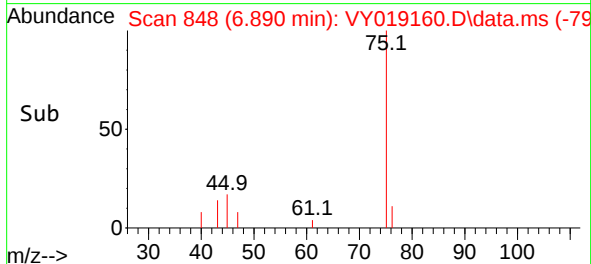
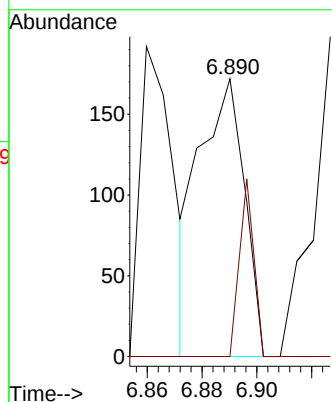
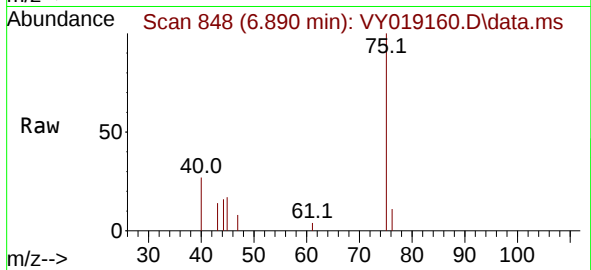




#25
2-Butanone
Concen: 2.566 ug/l
RT: 6.890 min Scan# 845
Delta R.T. 0.018 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

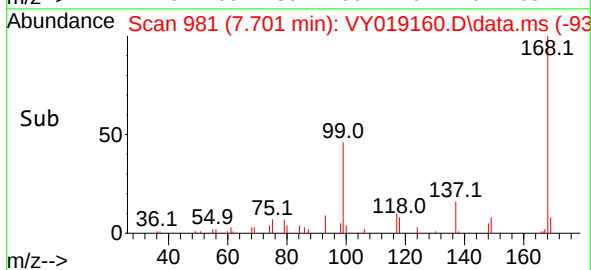
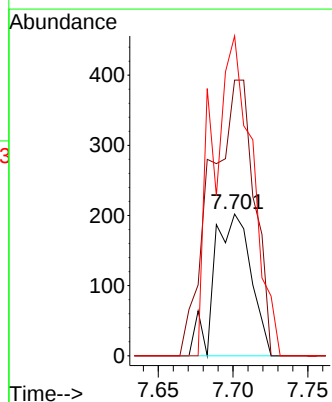
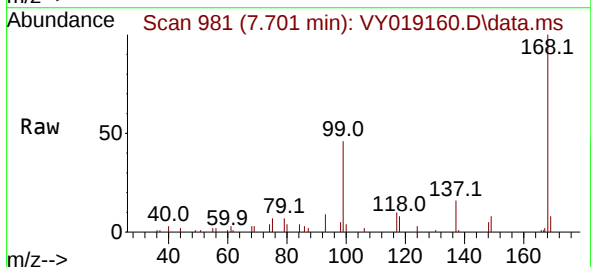
Instrument :
MSVOA_Y
ClientSampleId :

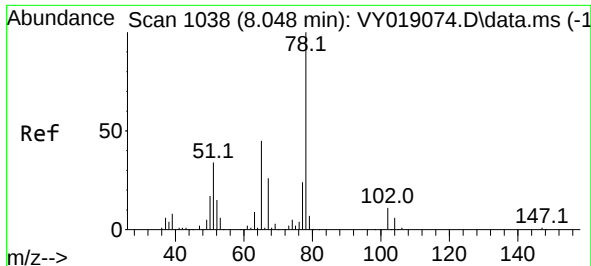
Tgt Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion: 56 Resp: 346
Ion Ratio Lower Upper
56 100
69 194.6 28.7 43.1#
84 225.7 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 41.436 ug/l

RT: 8.055 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY019160.D

Acq: 20 Aug 2024 18:53

Instrument :

MSVOA_Y

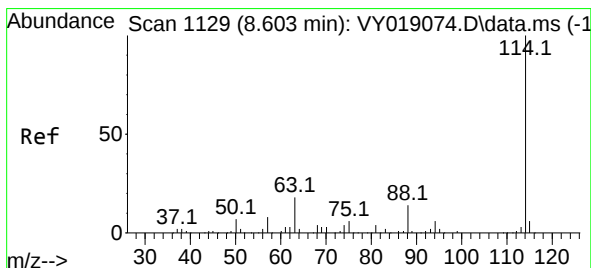
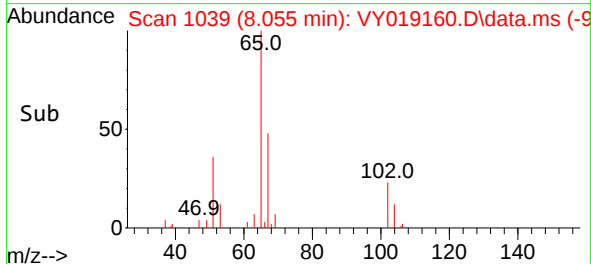
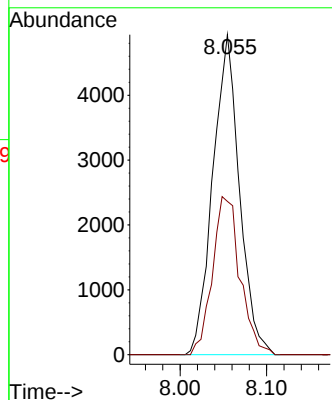
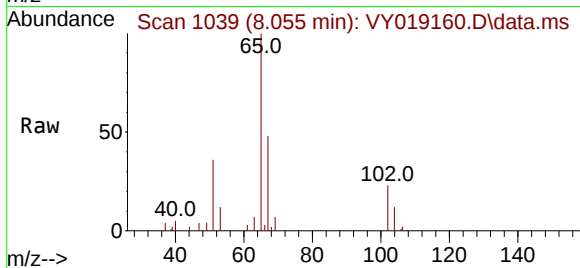
ClientSampleId :

Tgt Ion: 65 Resp: 10541

Ion Ratio Lower Upper

65 100

67 51.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019160.D

Acq: 20 Aug 2024 18:53

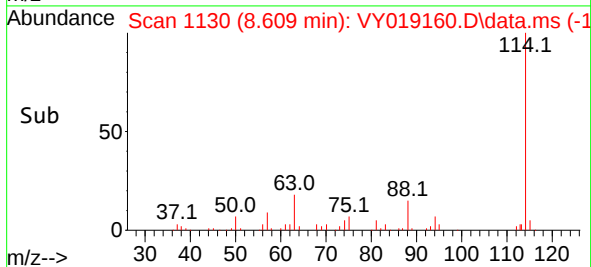
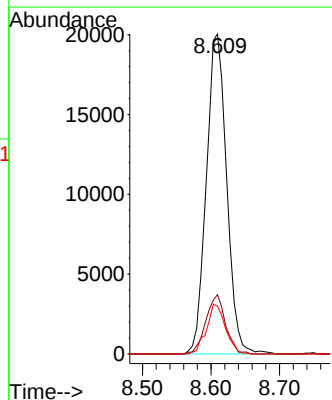
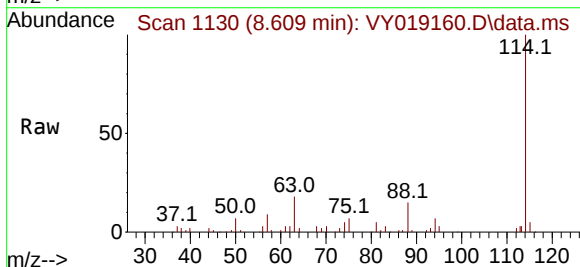
Tgt Ion: 114 Resp: 41454

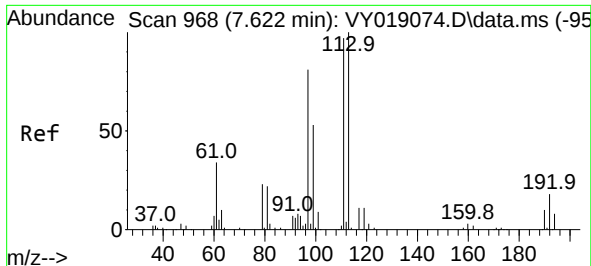
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.0

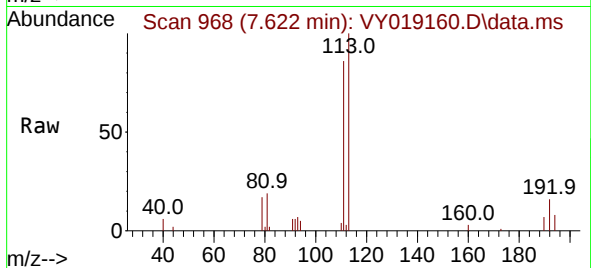
88 14.9 0.0 27.2



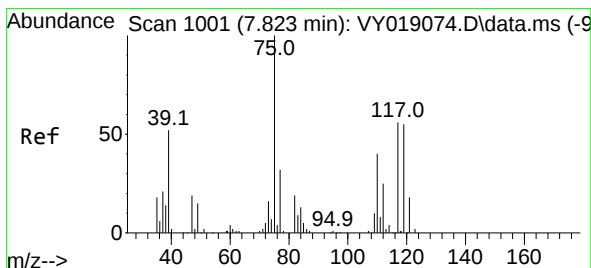
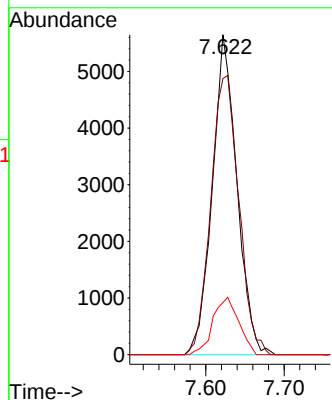
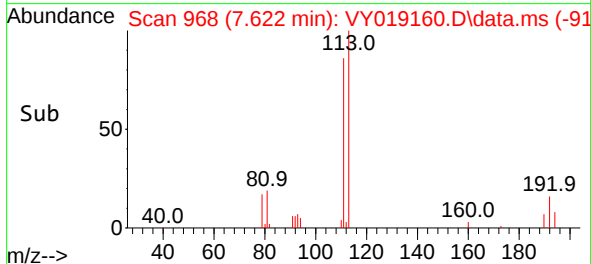


#35
Dibromofluoromethane
Concen: 45.512 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

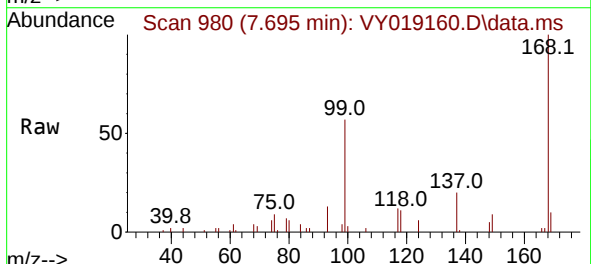
Instrument :
MSVOA_Y
ClientSampleId :



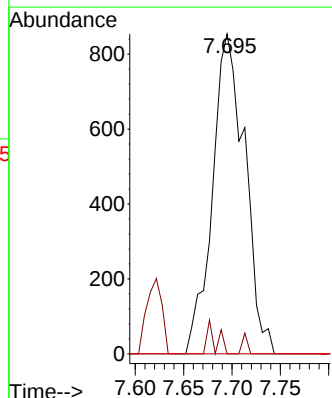
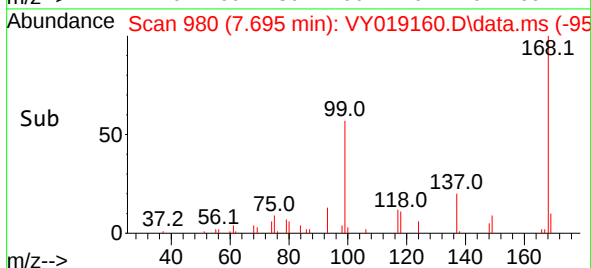
Tgt Ion:113 Resp: 12336
Ion Ratio Lower Upper
113 100
111 99.1 82.2 123.4
192 18.9 15.9 23.9

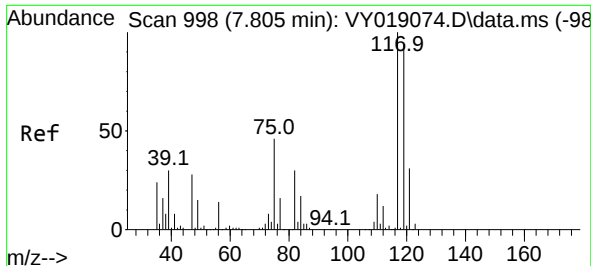


#36
1,1-Dichloropropene
Concen: 5.352 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53



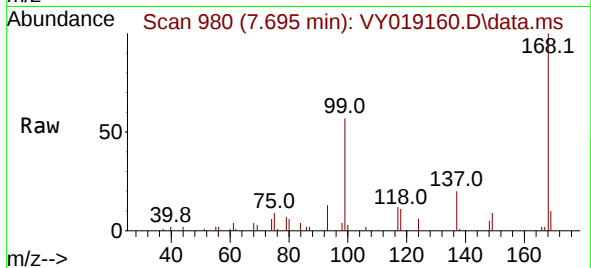
Tgt Ion: 75 Resp: 1992
Ion Ratio Lower Upper
75 100
110 1.0 19.0 57.0#
77 0.0 25.3 37.9#



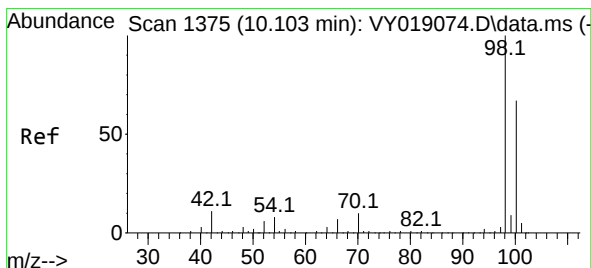
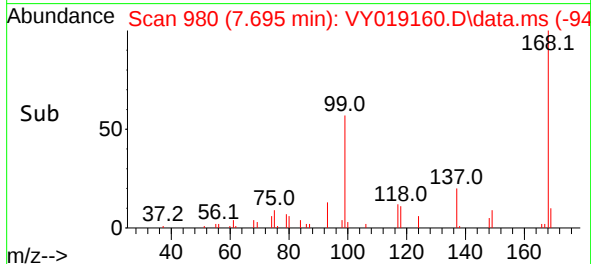
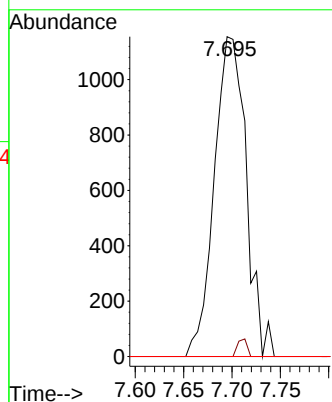


#38
Carbon Tetrachloride
Concen: 6.127 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Instrument :
MSVOA_Y
ClientSampleId :

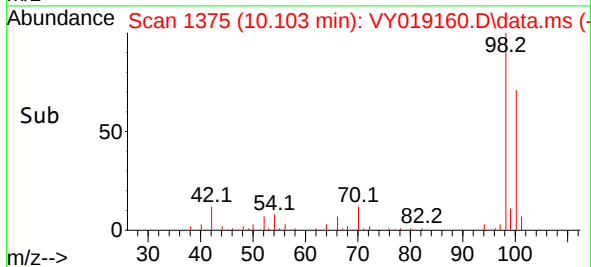
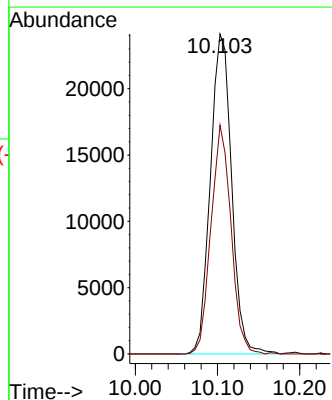
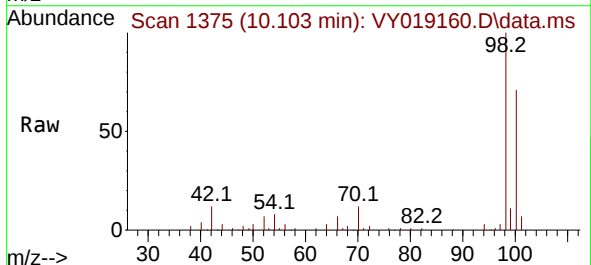


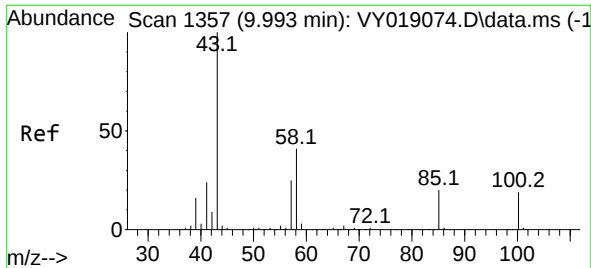
Tgt Ion:117 Resp: 2643
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 44.387 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion: 98 Resp: 43296
Ion Ratio Lower Upper
98 100
100 67.5 52.0 78.0

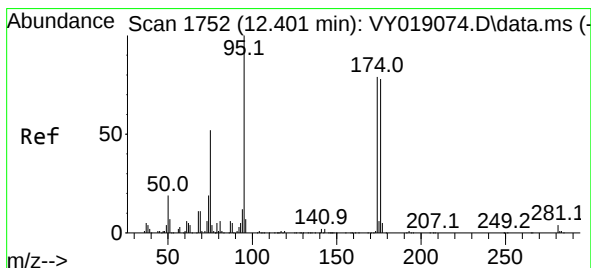
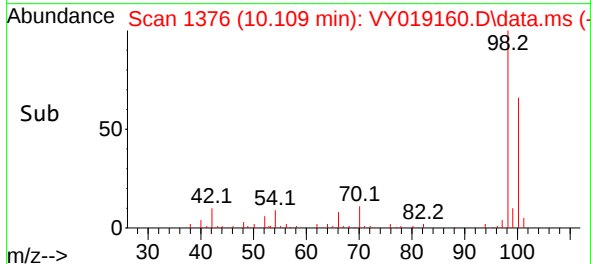
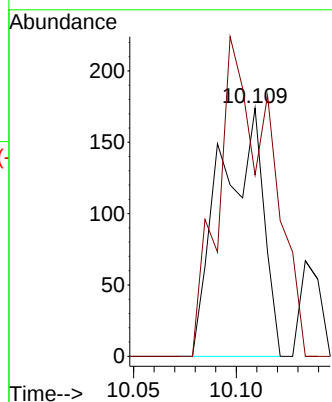
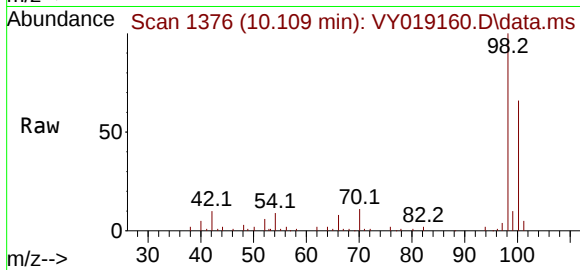




#51
4-Methyl-2-Pentanone
Concen: 1.424 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

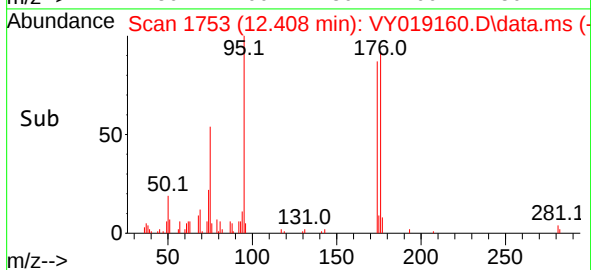
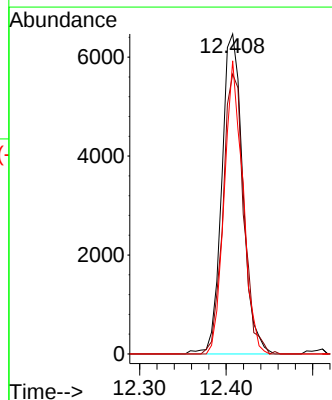
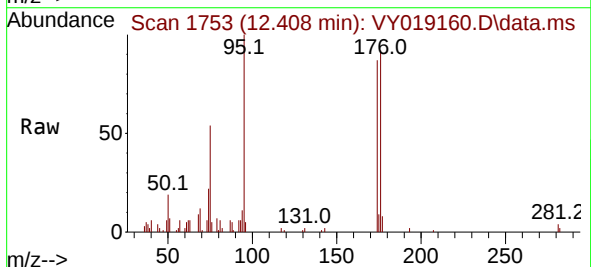
Instrument :
MSVOA_Y
ClientSampleId :

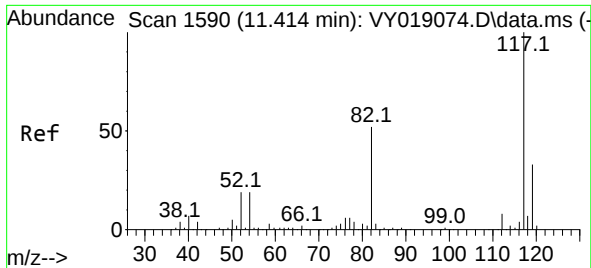
Tgt Ion: 43 Resp: 252
Ion Ratio Lower Upper
43 100
58 153.6 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 32.738 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion: 95 Resp: 10886
Ion Ratio Lower Upper
95 100
174 86.5 0.0 175.6
176 81.1 0.0 171.4

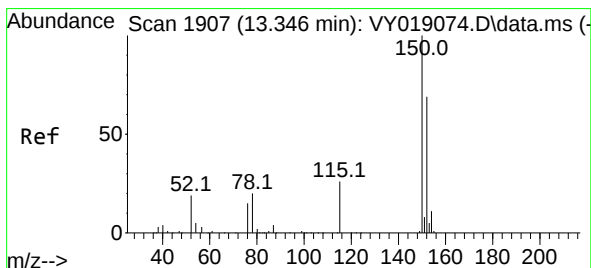
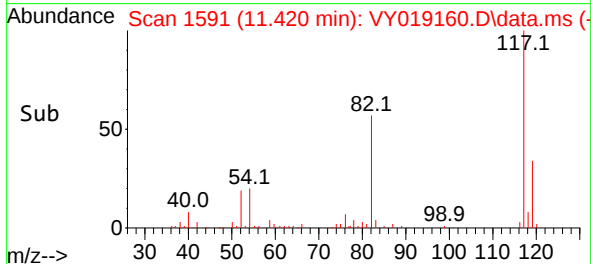
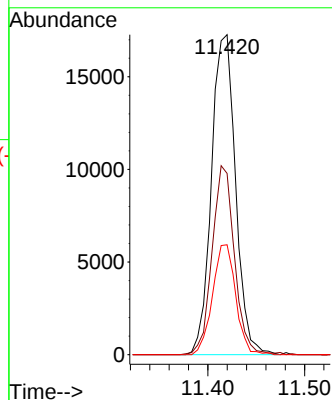
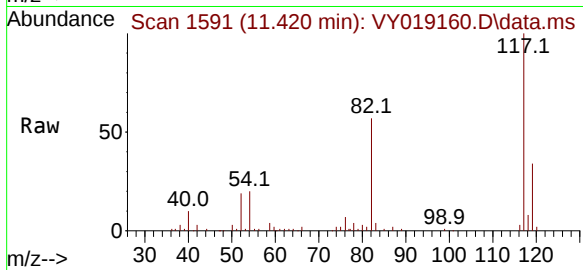




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

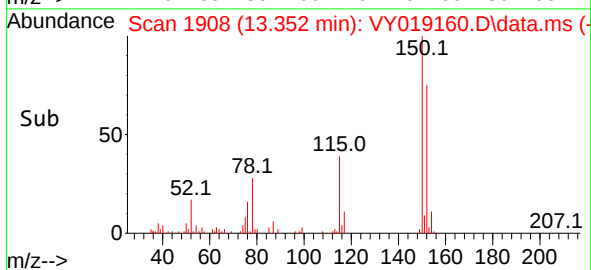
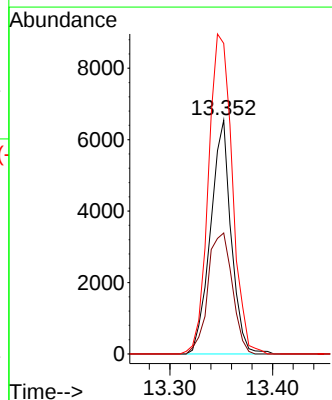
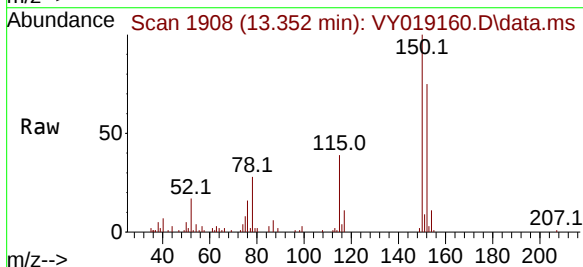
Instrument :
MSVOA_Y
ClientSampleId :

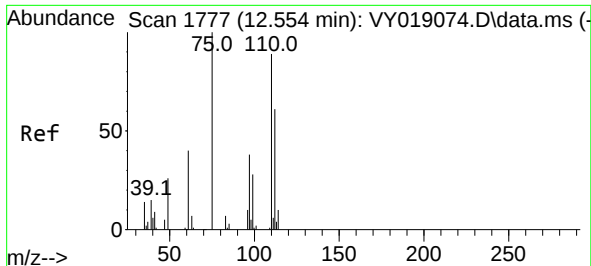
Tgt Ion:117 Resp: 29915
Ion Ratio Lower Upper
117 100
82 56.6 42.4 63.6
119 34.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion:152 Resp: 9161
Ion Ratio Lower Upper
152 100
115 60.9 28.2 84.7
150 157.5 0.0 345.6

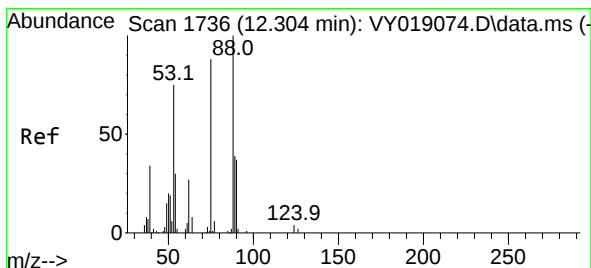
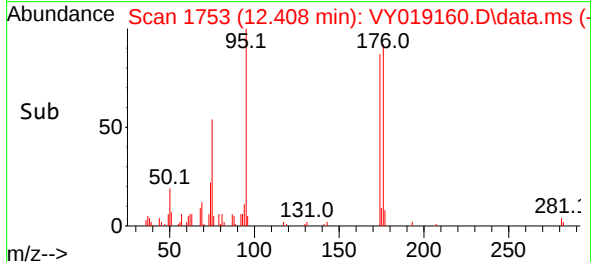
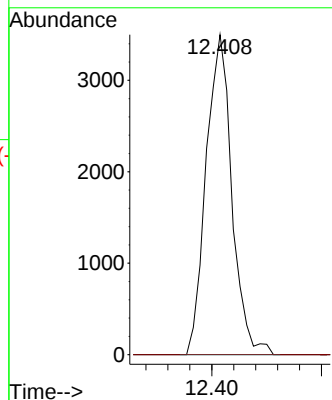
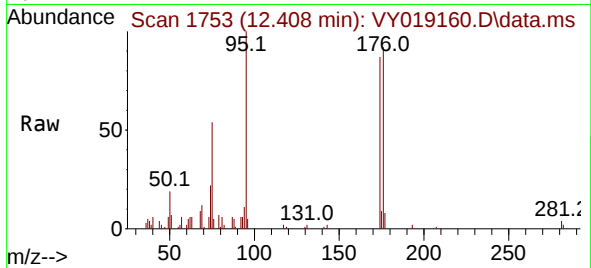




#76
1,2,3-Trichloropropane
Concen: 63.236 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 5713
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 156.172 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019160.D
Acq: 20 Aug 2024 18:53

Tgt Ion: 75 Resp: 5713
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.4 35.8 53.6#

