

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019146.D
 Acq On : 20 Aug 2024 13:15
 Operator : SY/MD
 Sample : P3617-11
 Misc : 3.68g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:29:10 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)

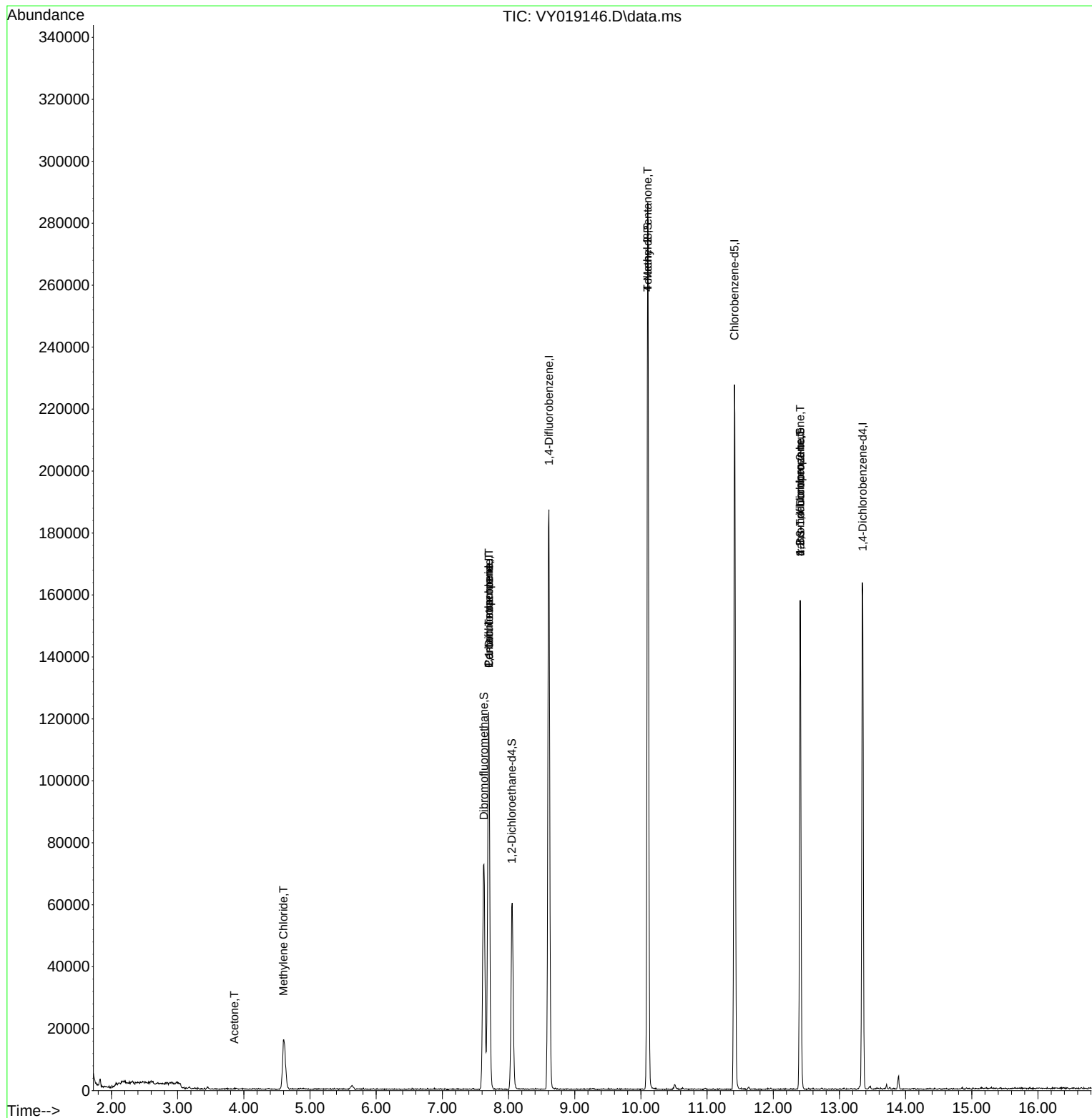
Internal Standards						
1) Pentafluorobenzene	7.701	168	93773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	165605	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	125341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	42994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.048	65	47108	50.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.220%	
35) Dibromofluoromethane	7.628	113	51788	47.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.660%	
50) Toluene-d8	10.103	98	181286	46.523	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.040%	
62) 4-Bromofluorobenzene	12.407	95	44816	33.737	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 67.480%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	238	Below Cal	#	61
6) Chloroethane	2.763	64	22	Below Cal	#	42
11) Tert butyl alcohol	4.860	59	87	Below Cal	#	88
16) Acetone	3.854	43	395	2.266	ug/l #	36
20) Methylene Chloride	4.598	84	12051	1.137	ug/l	95
31) Cyclohexane	7.707	56	1971	Below Cal	#	48
36) 1,1-Dichloropropene	7.701	75	7090	4.768	ug/l #	49
38) Carbon Tetrachloride	7.701	117	9693	5.625	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	931	1.317	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	24435	57.630	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	24435	142.326	ug/l #	16

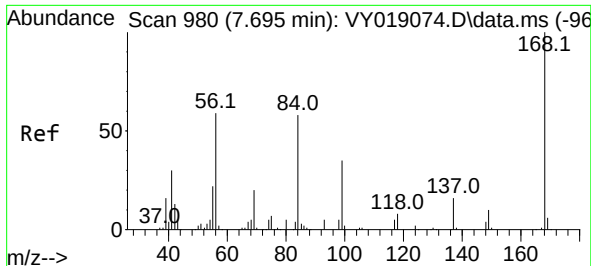
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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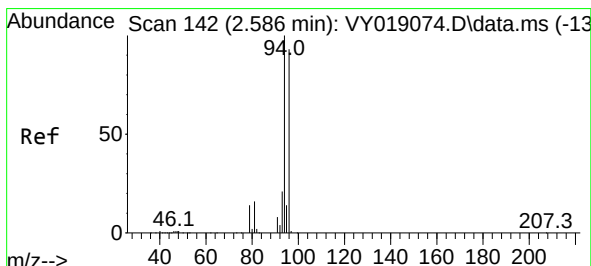
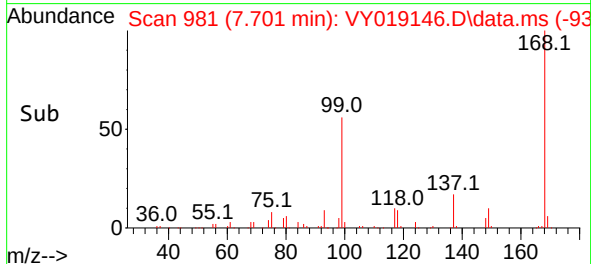
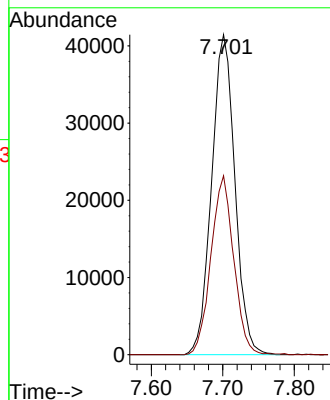
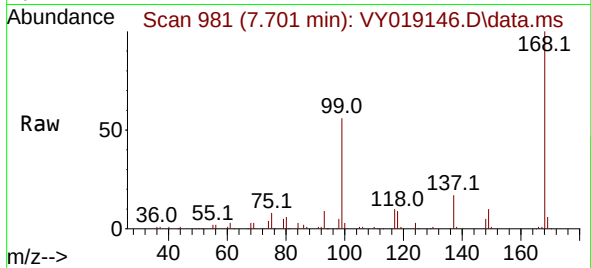




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

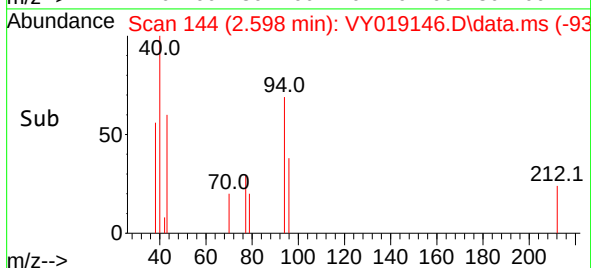
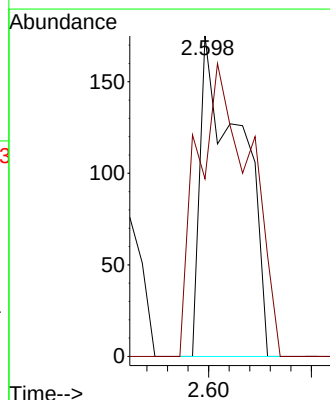
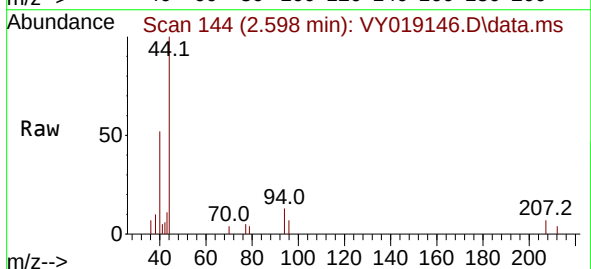
Instrument :
MSVOA_Y
ClientSampleId :

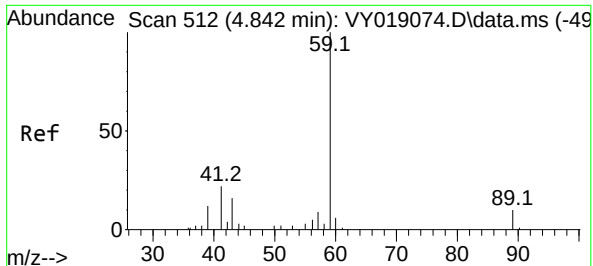
Tgt Ion:168 Resp: 93773
Ion Ratio Lower Upper
168 100
99 55.9 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Tgt Ion: 94 Resp: 238
Ion Ratio Lower Upper
94 100
96 55.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 51

Delta R.T. 0.018 min

Lab File: VY019146.D

Acq: 20 Aug 2024 13:15

Instrument :

MSVOA_Y

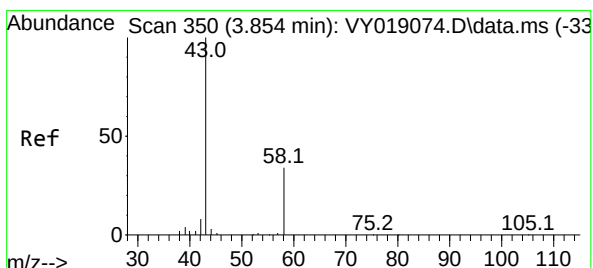
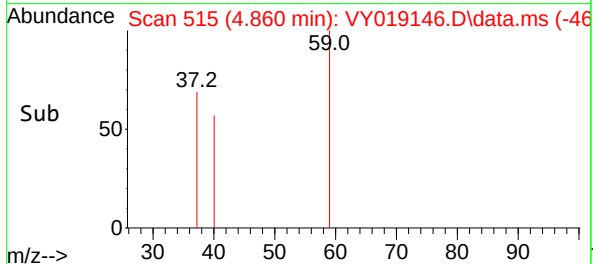
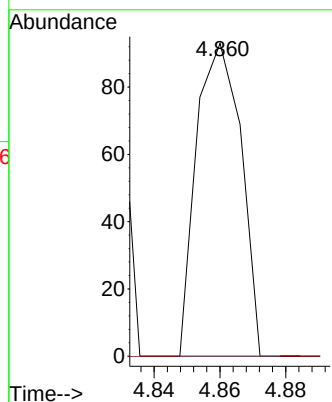
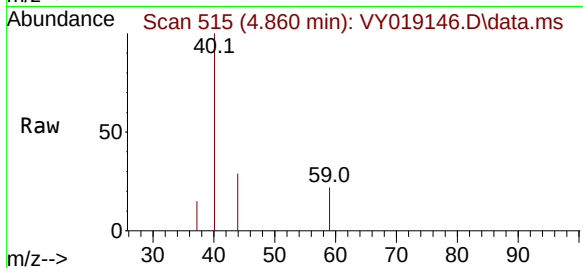
ClientSampleId :

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.266 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019146.D

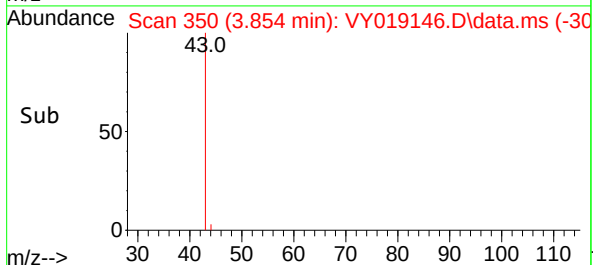
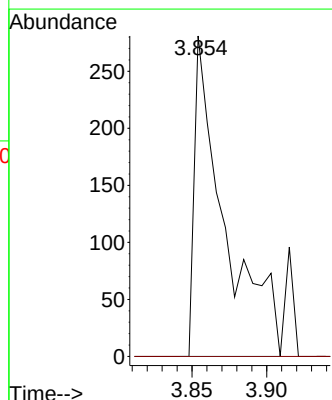
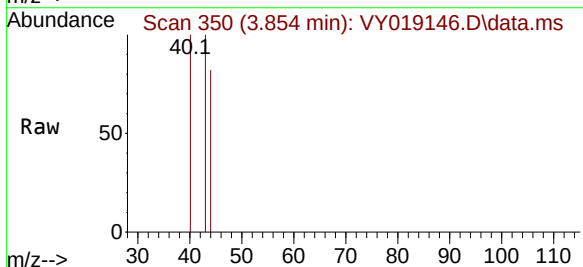
Acq: 20 Aug 2024 13:15

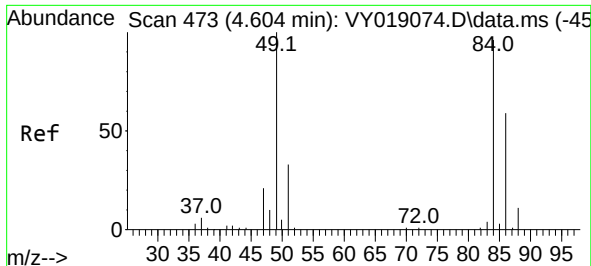
Tgt Ion: 43 Resp: 395

Ion Ratio Lower Upper

43 100

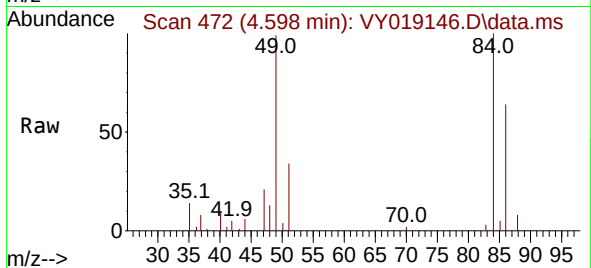
58 0.0 31.7 47.5#



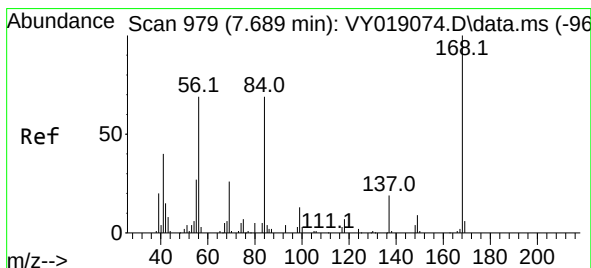
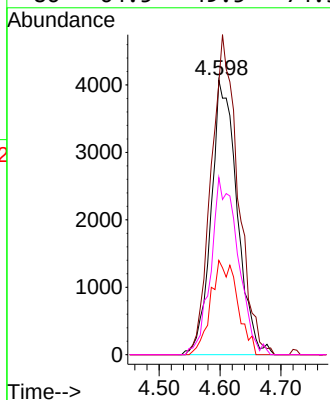
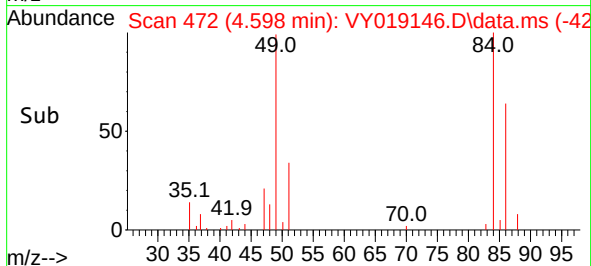


#20
Methylene Chloride
Concen: 1.137 ug/l
RT: 4.598 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :

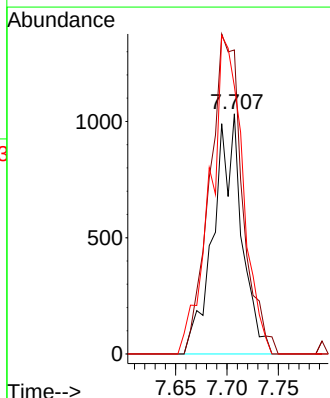
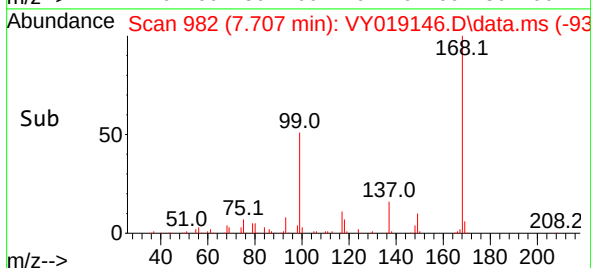
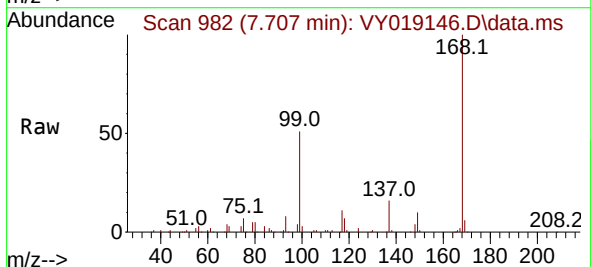


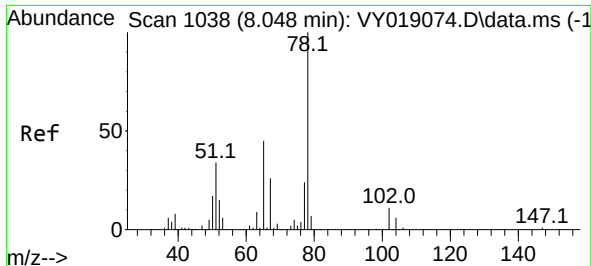
Tgt Ion:	84	Resp:	12051
Ion	Ratio	Lower	Upper
84	100		
49	98.7	84.4	126.6
51	34.3	26.0	39.0
86	64.5	49.5	74.3



#31
Cyclohexane
Concen: Below Cal
RT: 7.707 min Scan# 982
Delta R.T. 0.018 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Tgt Ion:	56	Resp:	1971
Ion	Ratio	Lower	Upper
56	100		
69	126.5	28.7	43.1#
84	111.4	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 50.115 ug/l

RT: 8.048 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019146.D

Acq: 20 Aug 2024 13:15

Instrument :

MSVOA_Y

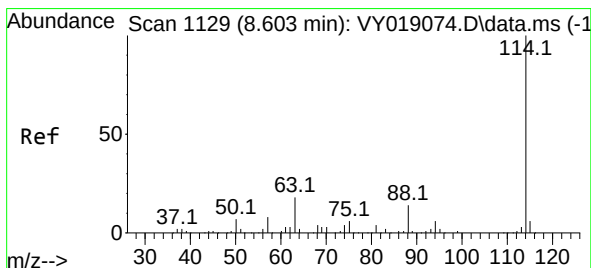
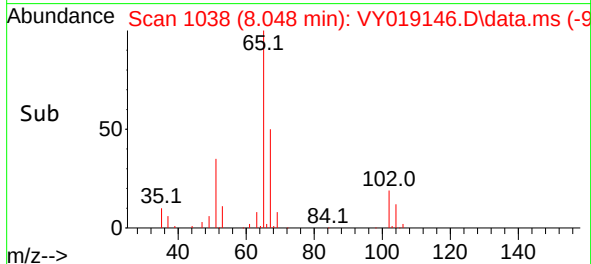
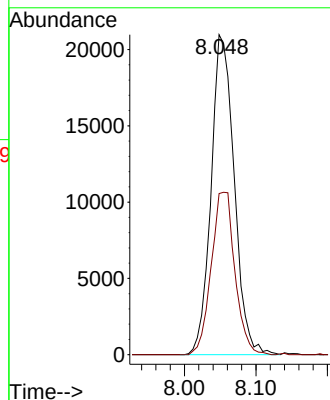
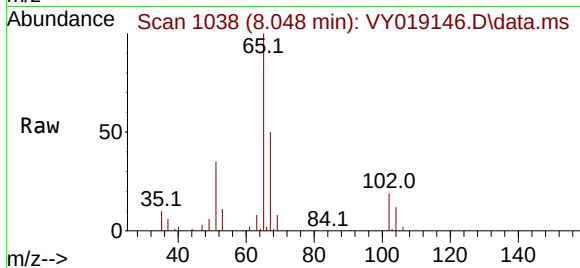
ClientSampleId :

Tgt Ion: 65 Resp: 47108

Ion Ratio Lower Upper

65 100

67 52.0 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: VY019146.D

Acq: 20 Aug 2024 13:15

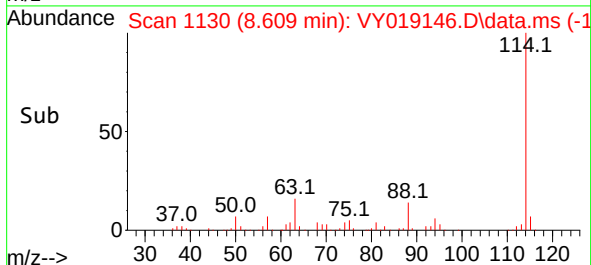
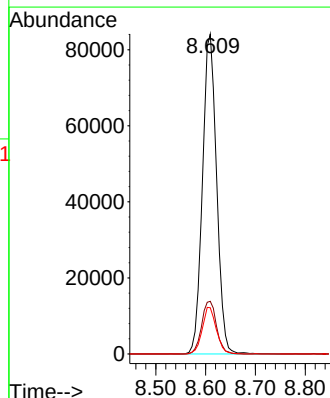
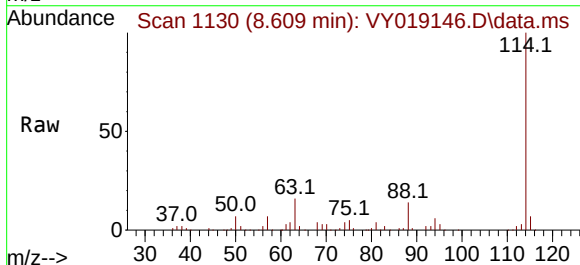
Tgt Ion: 114 Resp: 165605

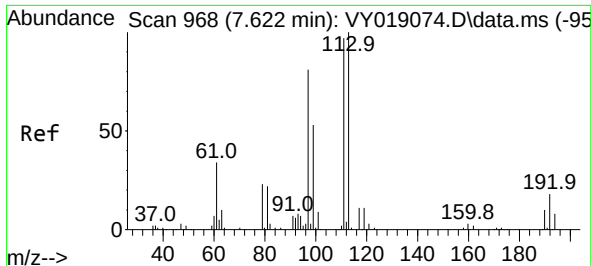
Ion Ratio Lower Upper

114 100

63 16.4 0.0 35.0

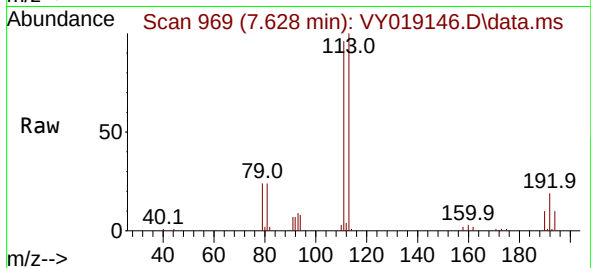
88 14.4 0.0 27.2



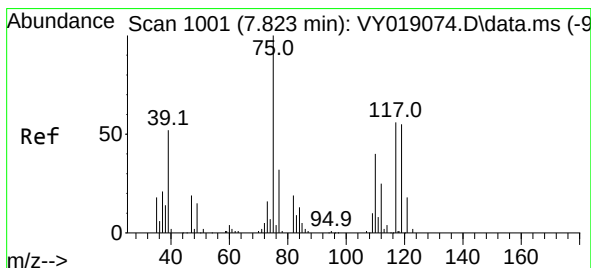
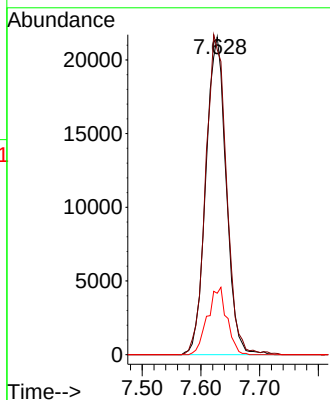
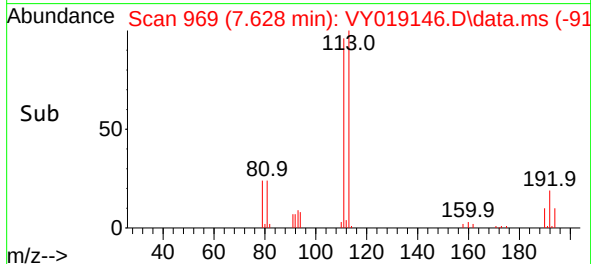


#35
Dibromofluoromethane
Concen: 47.827 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :

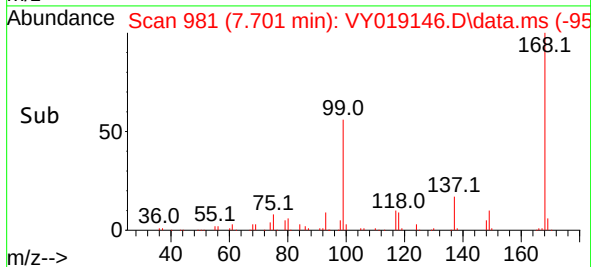
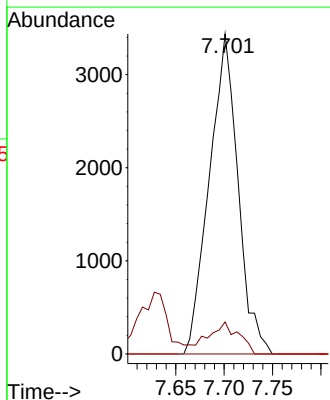
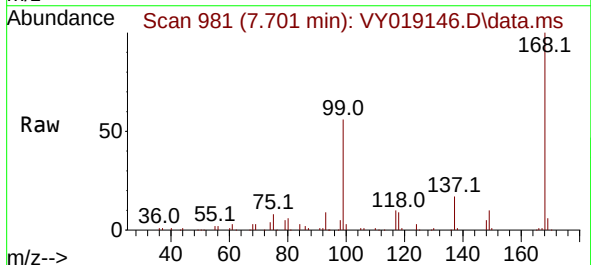


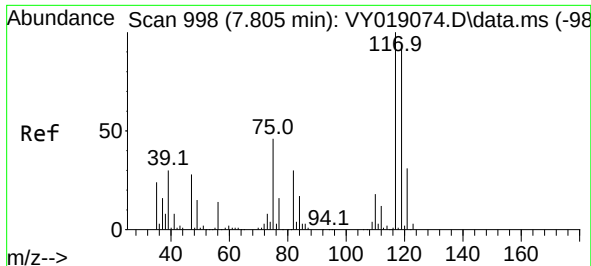
Tgt Ion:113 Resp: 51788
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 20.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

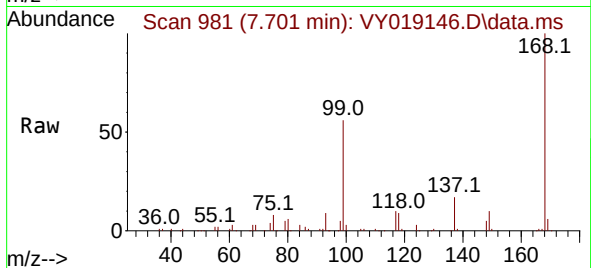
Tgt Ion: 75 Resp: 7090
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#



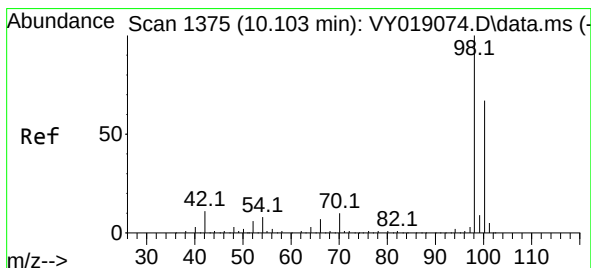
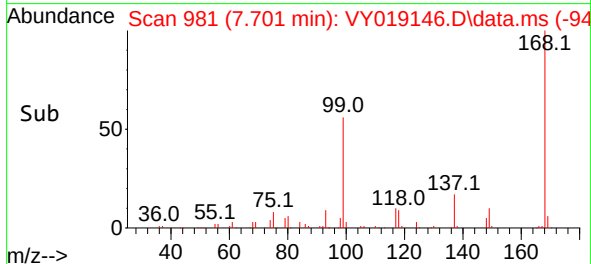
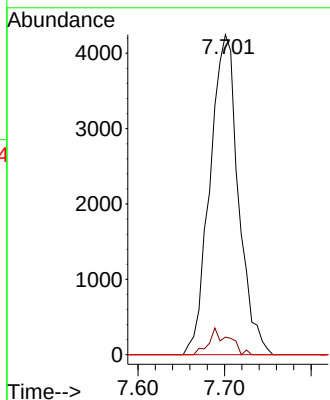


#38
Carbon Tetrachloride
Concen: 5.625 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :

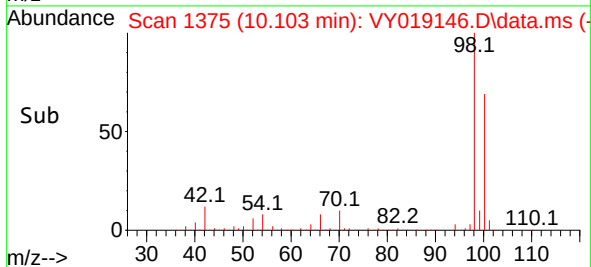
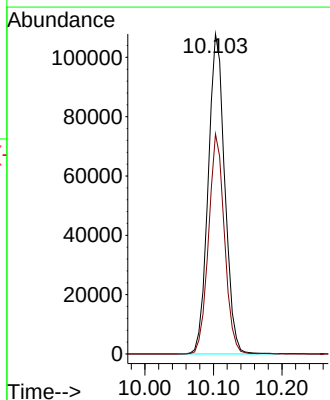
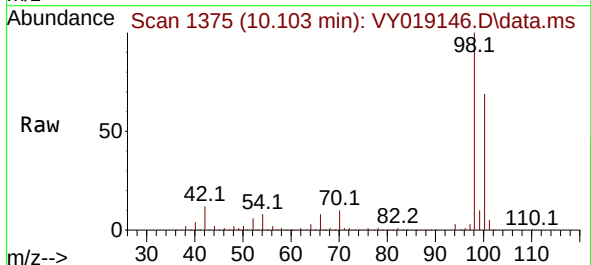


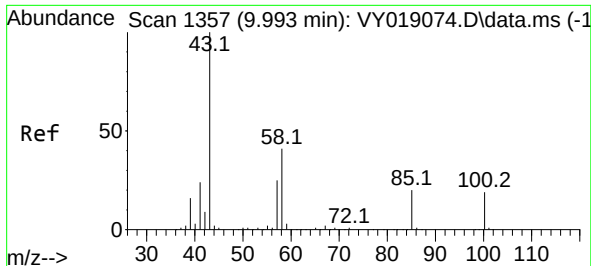
Tgt Ion:117 Resp: 9693
Ion Ratio Lower Upper
117 100
119 5.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 46.523 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Tgt Ion: 98 Resp: 181286
Ion Ratio Lower Upper
98 100
100 65.8 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.317 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY019146.D

Acq: 20 Aug 2024 13:15

Instrument :

MSVOA_Y

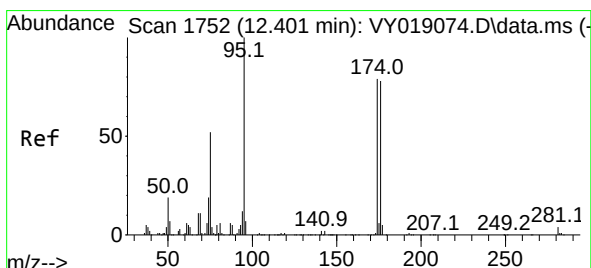
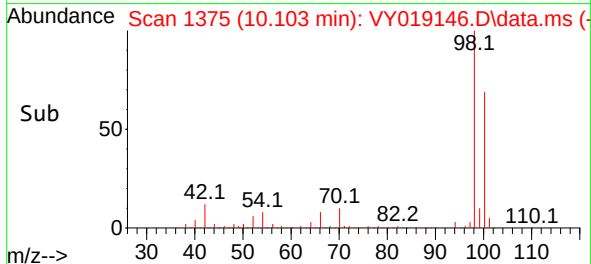
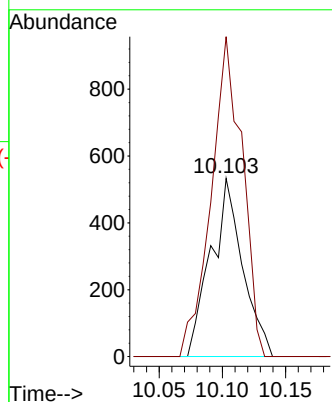
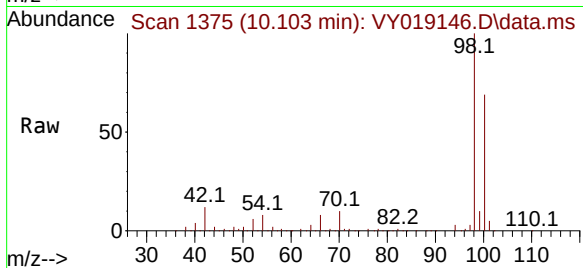
ClientSampleId :

Tgt Ion: 43 Resp: 931

Ion Ratio Lower Upper

43 100

58 176.0 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 33.737 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019146.D

Acq: 20 Aug 2024 13:15

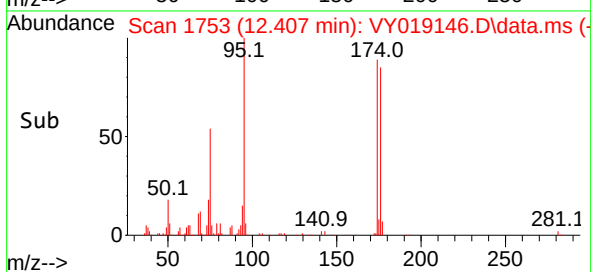
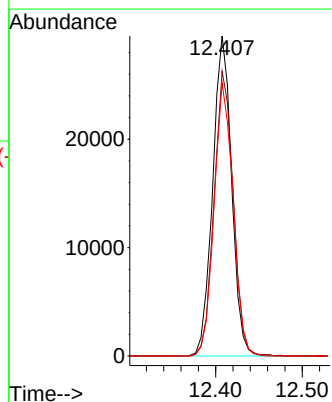
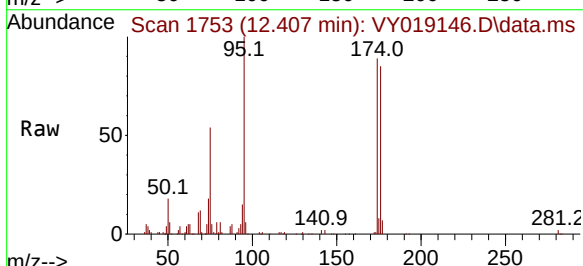
Tgt Ion: 95 Resp: 44816

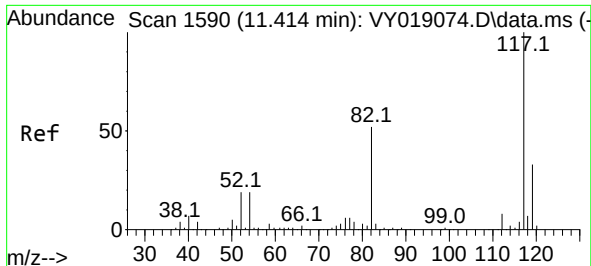
Ion Ratio Lower Upper

95 100

174 90.0 0.0 175.6

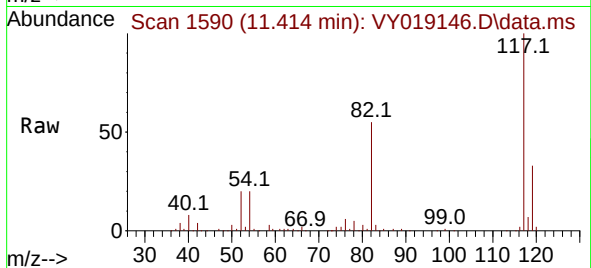
176 85.8 0.0 171.4



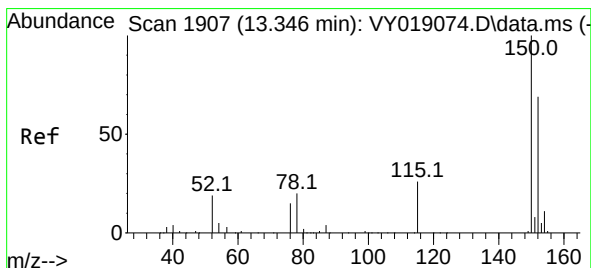
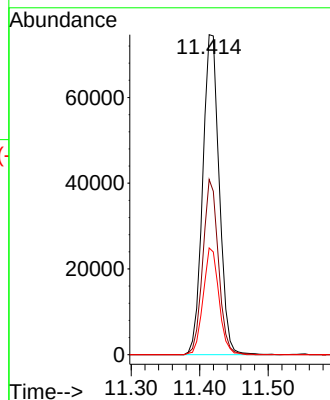
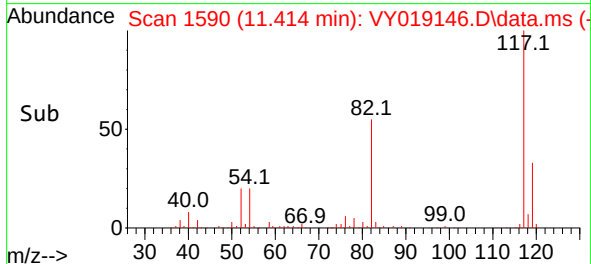


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :

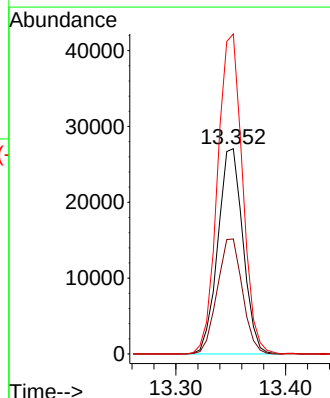
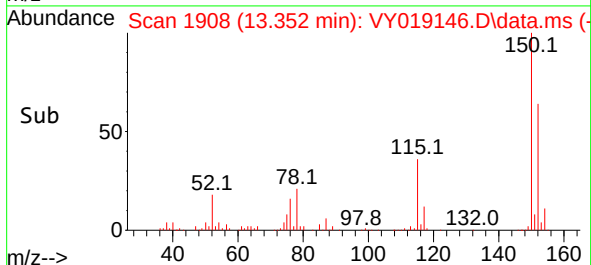
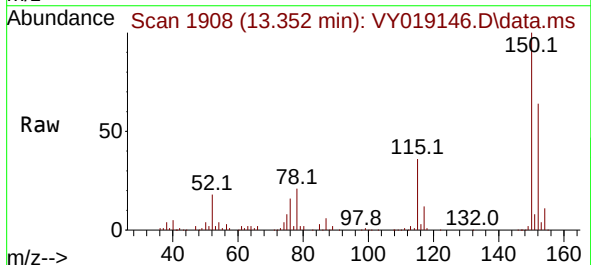


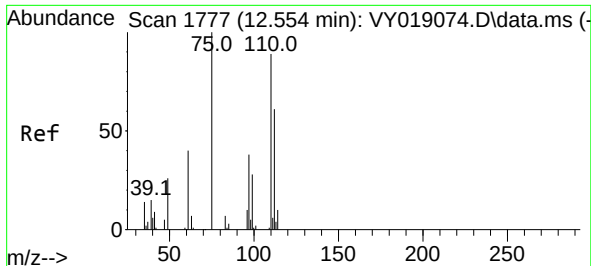
Tgt Ion:117 Resp: 125341
Ion Ratio Lower Upper
117 100
82 54.7 42.4 63.6
119 33.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Tgt Ion:152 Resp: 42994
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 155.3 0.0 345.6

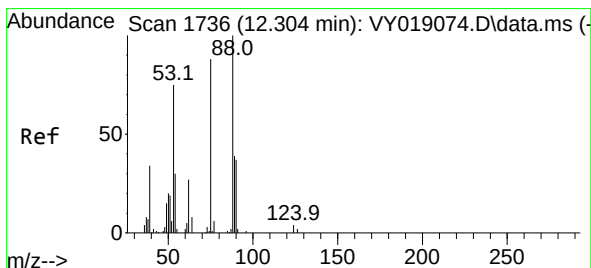
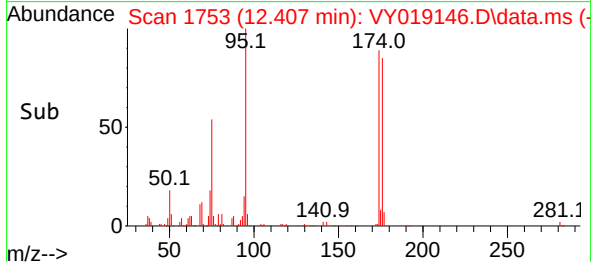
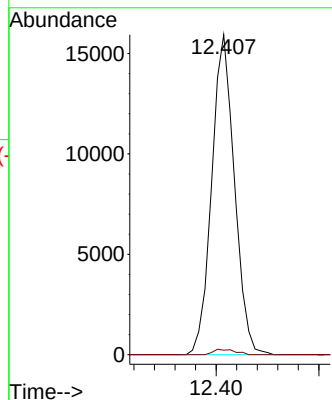
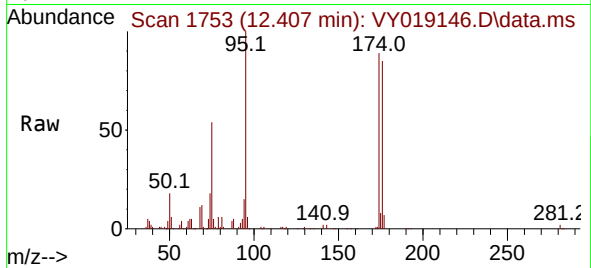




#76
1,2,3-Trichloropropane
Concen: 57.630 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 24435
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.326 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019146.D
Acq: 20 Aug 2024 13:15

Tgt Ion: 75 Resp: 24435
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

