

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019157.D
 Acq On : 20 Aug 2024 17:40
 Operator : SY/MD
 Sample : P3643-10
 Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:32:35 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)

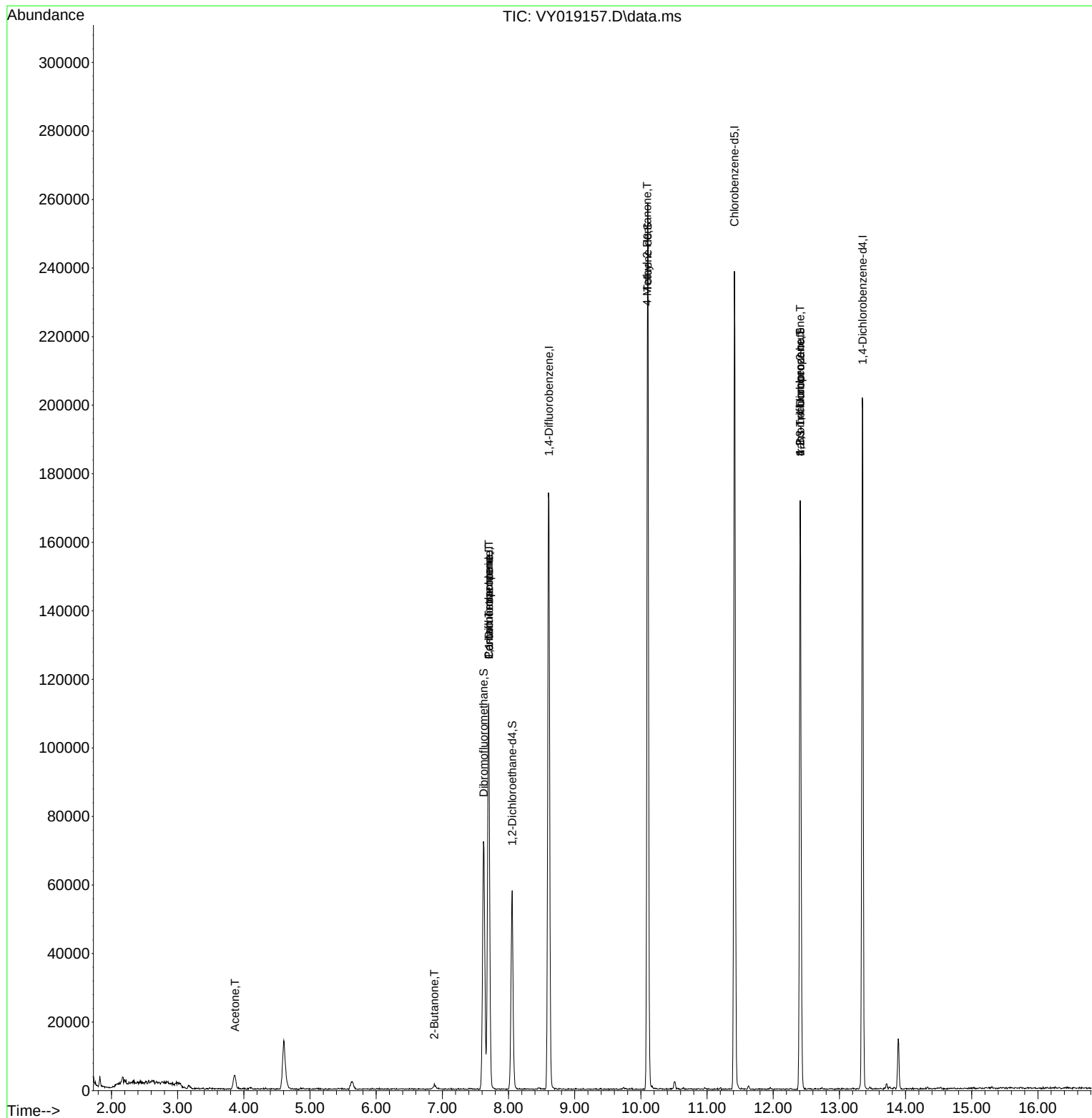
Internal Standards						
1) Pentafluorobenzene	7.701	168	87217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	157157	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	127859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	52176	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	43340	49.572	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.140%
35) Dibromofluoromethane	7.622	113	51274	49.898	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.800%
50) Toluene-d8	10.103	98	162698	43.997	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.000%
62) 4-Bromofluorobenzene	12.408	95	47892	37.991	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	75.980%
Target Compounds						
					Qvalue	
5) Bromomethane	2.592	94	229	Below Cal	#	41
6) Chloroethane	2.653	64	18	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	79	Below Cal	#	88
16) Acetone	3.866	43	7207	44.450	ug/l	91
20) Methylene Chloride	4.604	84	9991	Below Cal		97
25) 2-Butanone	6.878	43	1183	4.531	ug/l #	73
31) Cyclohexane	7.701	56	1945	Below Cal	#	20
36) 1,1-Dichloropropene	7.701	75	6275	4.447	ug/l #	48
38) Carbon Tetrachloride	7.701	117	8850	5.412	ug/l #	18
51) 4-Methyl-2-Pentanone	10.097	43	842	1.255	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	25763	50.069	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	25763	123.654	ug/l #	16

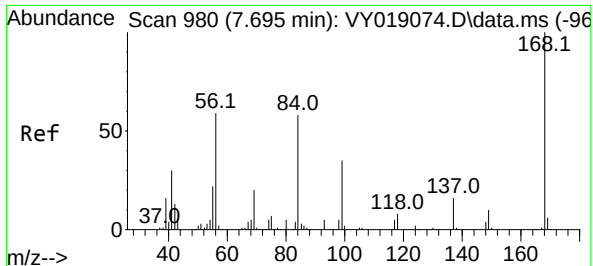
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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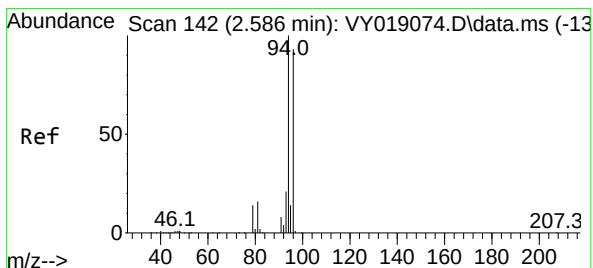
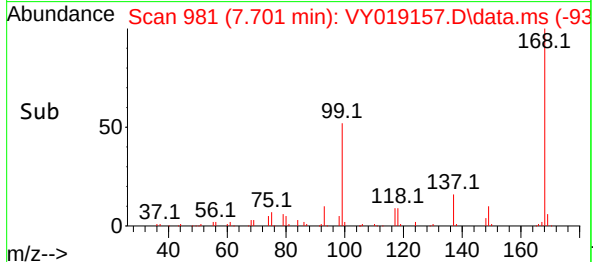
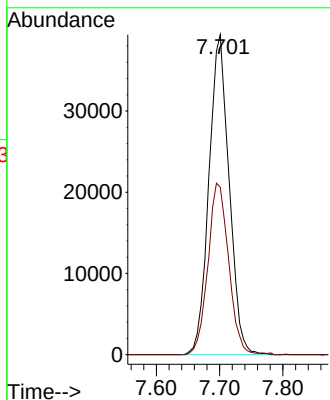
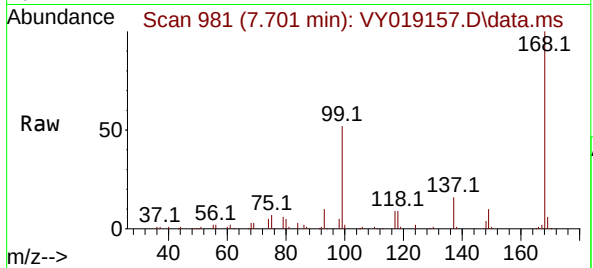




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

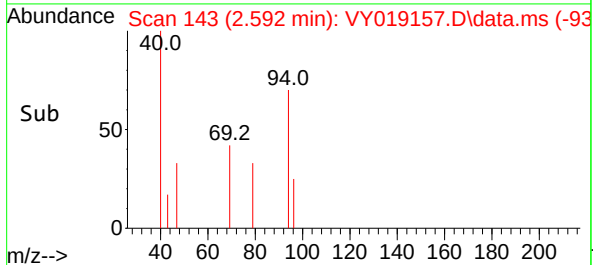
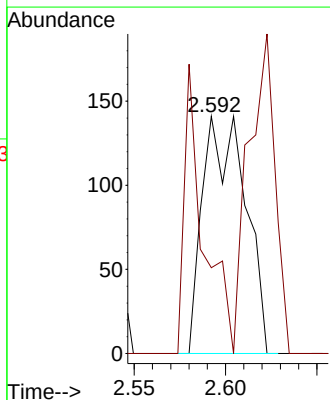
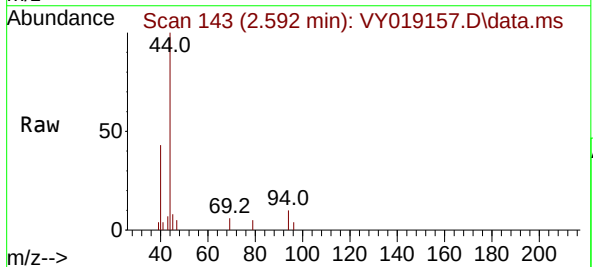
Instrument :
MSVOA_Y
ClientSampleId :

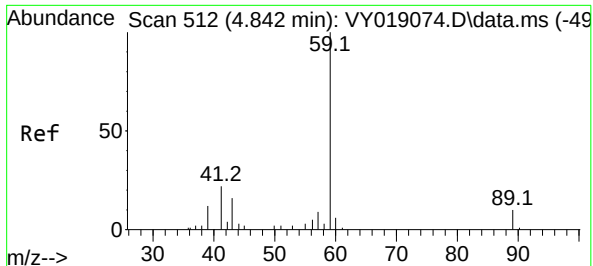
Tgt Ion:168 Resp: 87217
Ion Ratio Lower Upper
168 100
99 52.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.592 min Scan# 143
Delta R.T. 0.006 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 36.2 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 51

Delta R.T. -0.000 min

Lab File: VY019157.D

Acq: 20 Aug 2024 17:40

Instrument :

MSVOA_Y

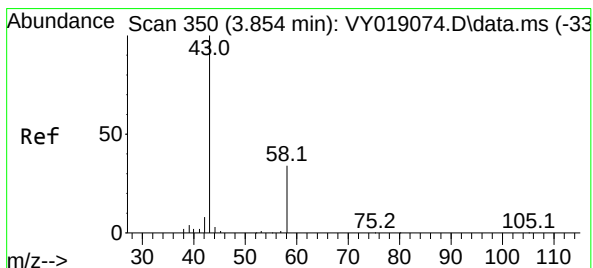
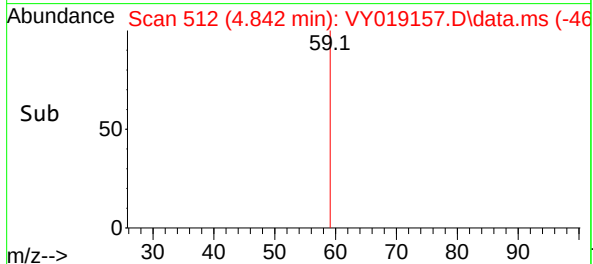
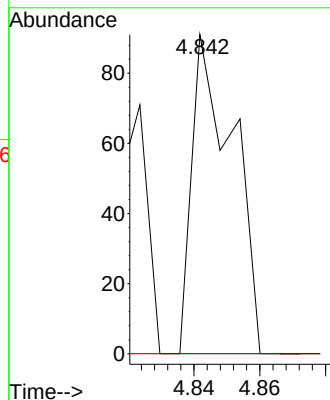
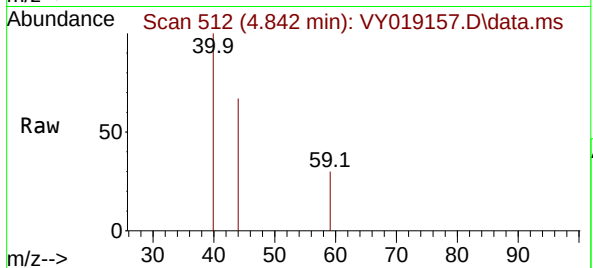
ClientSampleId :

Tgt Ion: 59 Resp: 79

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 44.450 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.012 min

Lab File: VY019157.D

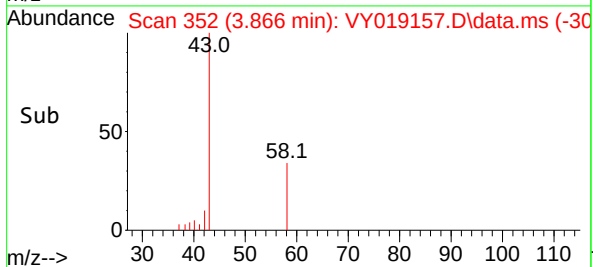
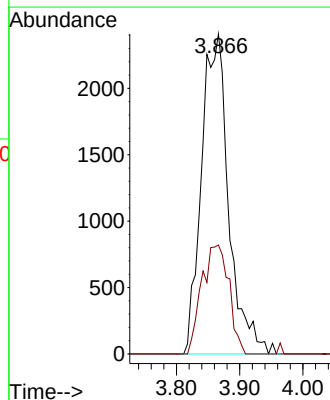
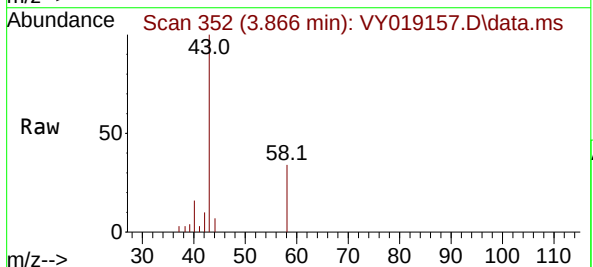
Acq: 20 Aug 2024 17:40

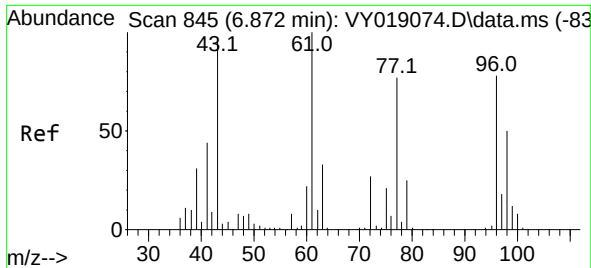
Tgt Ion: 43 Resp: 7207

Ion Ratio Lower Upper

43 100

58 34.1 31.7 47.5

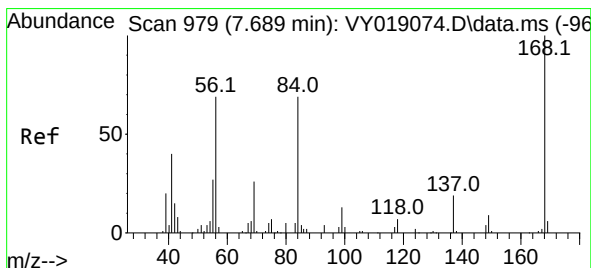
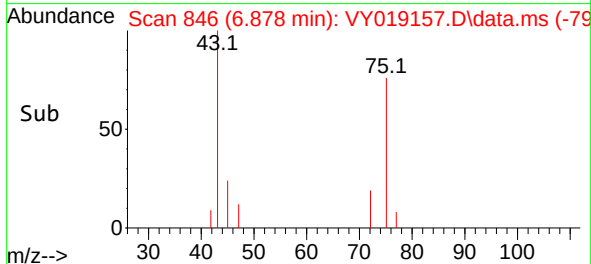
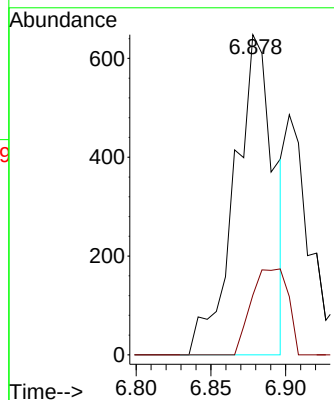
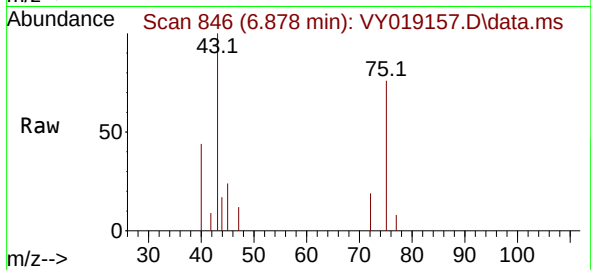




#25
2-Butanone
Concen: 4.531 ug/l
RT: 6.878 min Scan# 845
Delta R.T. 0.006 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

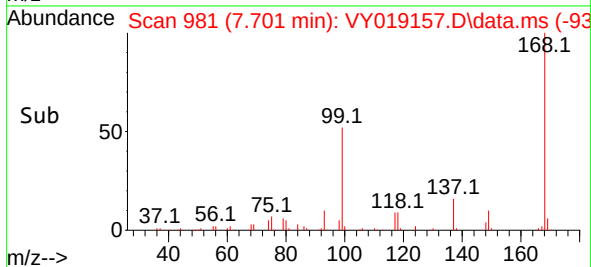
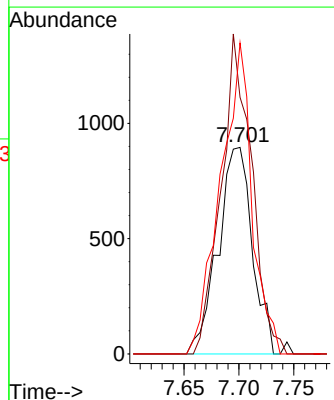
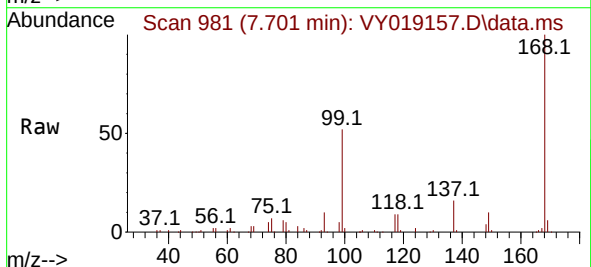
Instrument :
MSVOA_Y
ClientSampleId :

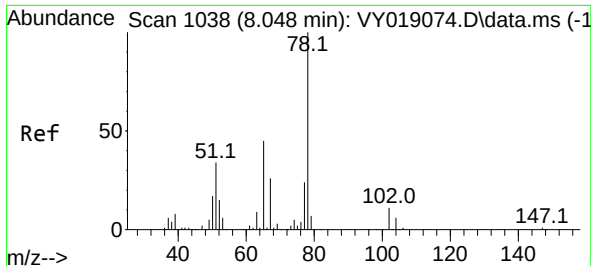
Tgt Ion: 43 Resp: 1183
Ion Ratio Lower Upper
43 100
72 18.7 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 56 Resp: 1945
Ion Ratio Lower Upper
56 100
69 124.2 28.7 43.1#
84 150.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 49.572 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019157.D

Acq: 20 Aug 2024 17:40

Instrument :

MSVOA_Y

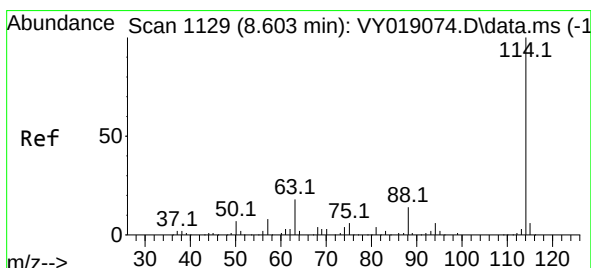
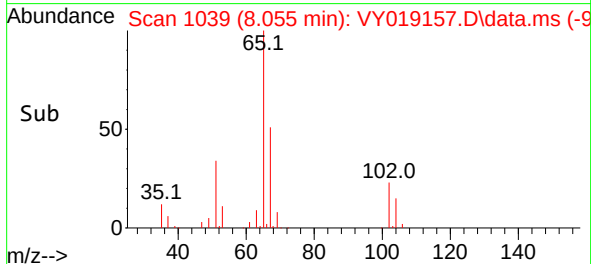
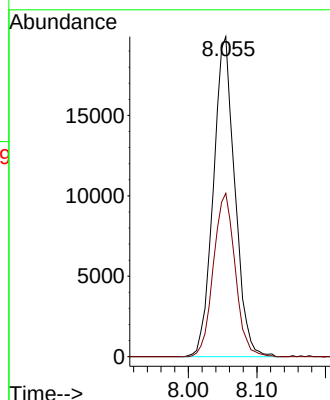
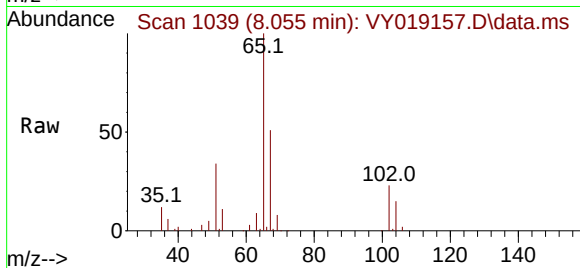
ClientSampleId :

Tgt Ion: 65 Resp: 43340

Ion Ratio Lower Upper

65 100

67 51.7 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: VY019157.D

Acq: 20 Aug 2024 17:40

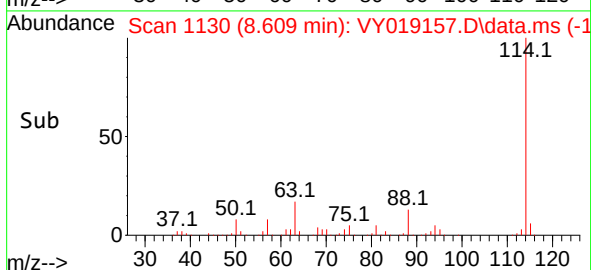
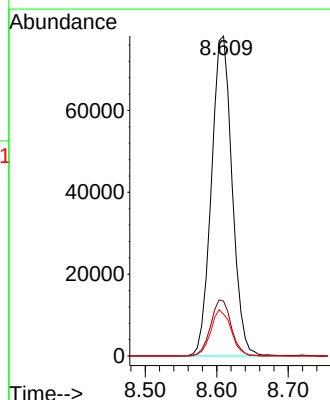
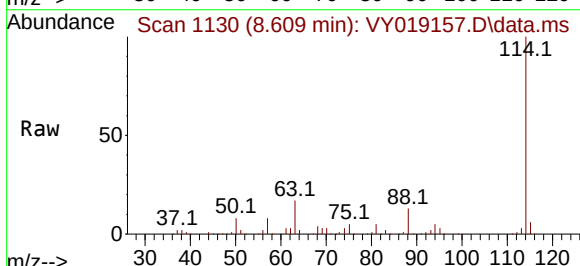
Tgt Ion: 114 Resp: 157157

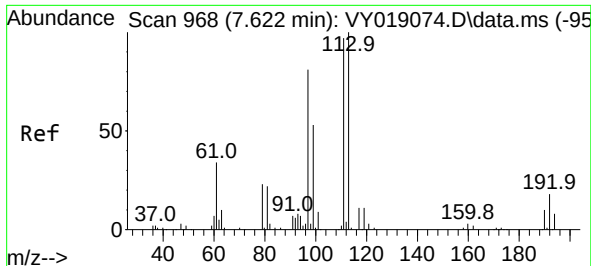
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

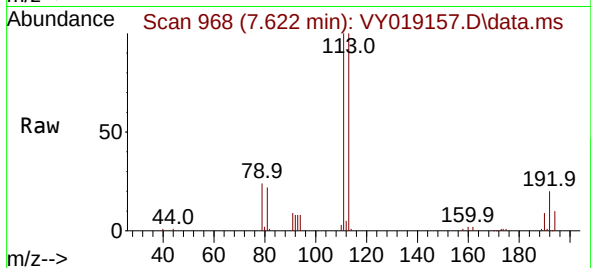
88 13.0 0.0 27.2



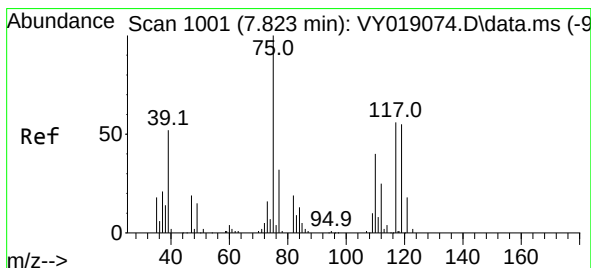
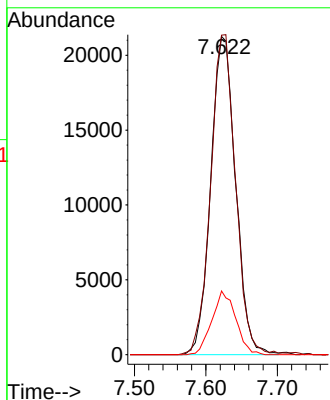
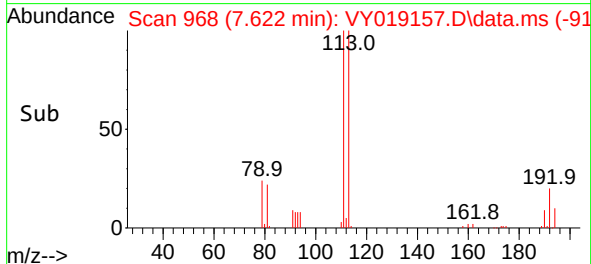


#35
Dibromofluoromethane
Concen: 49.898 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

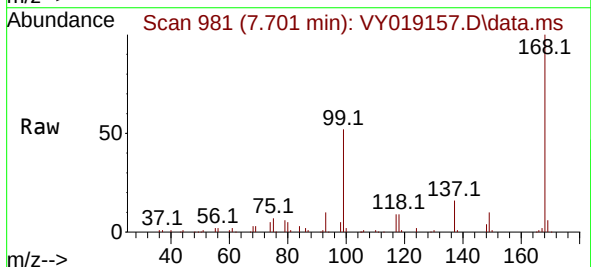
Instrument :
MSVOA_Y
ClientSampleId :



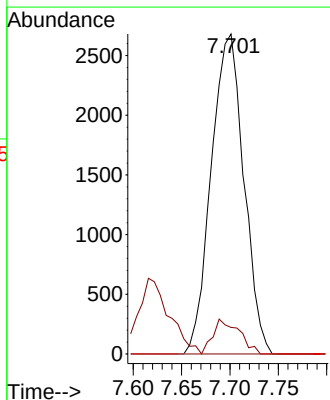
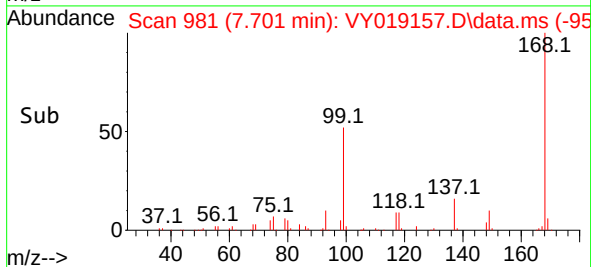
Tgt Ion:113 Resp: 51274
Ion Ratio Lower Upper
113 100
111 100.8 82.2 123.4
192 19.2 15.9 23.9

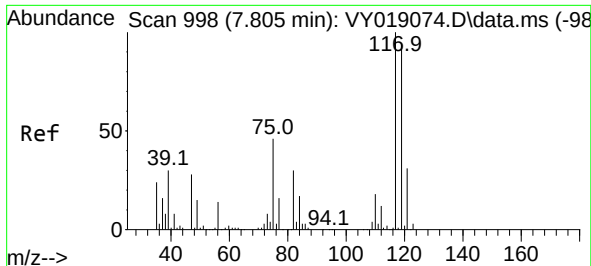


#36
1,1-Dichloropropene
Concen: 4.447 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40



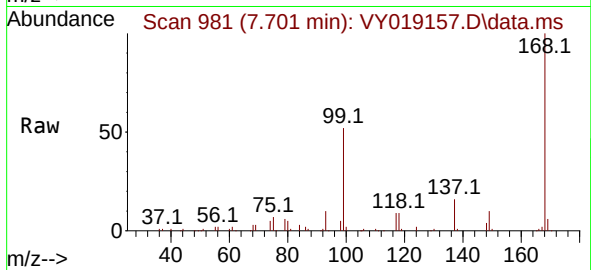
Tgt Ion: 75 Resp: 6275
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



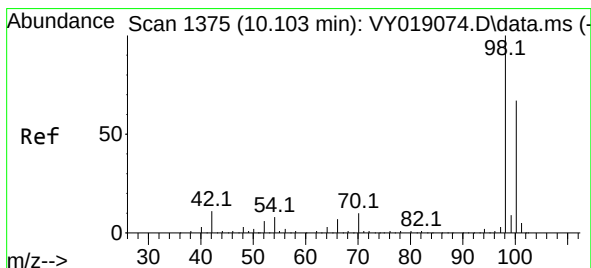
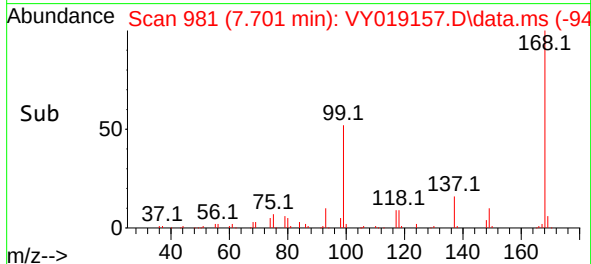
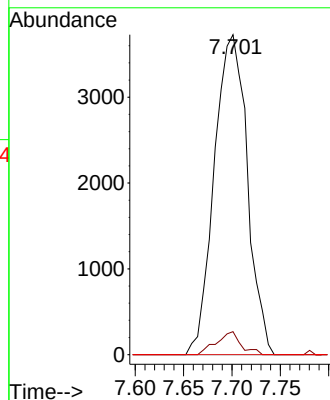


#38
Carbon Tetrachloride
Concen: 5.412 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

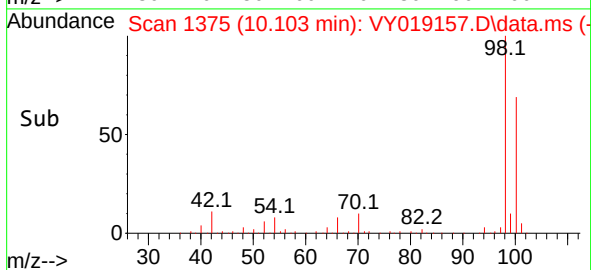
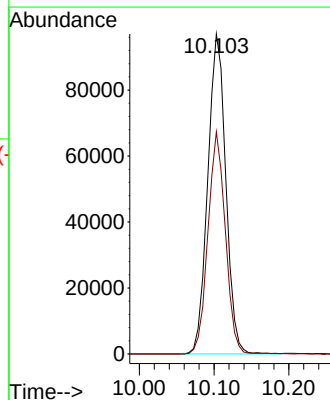
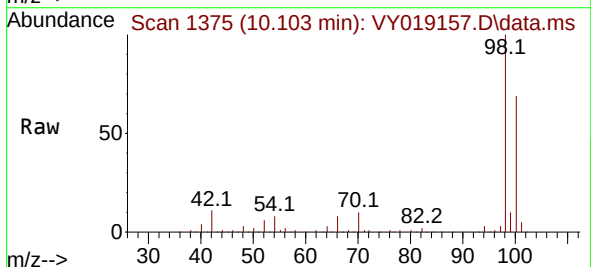


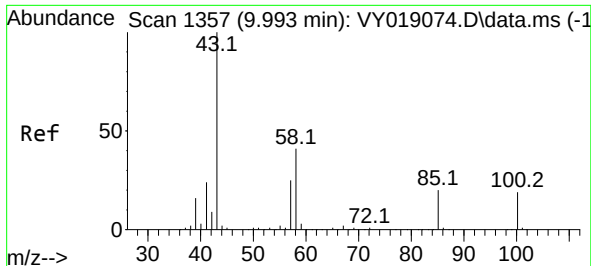
Tgt Ion:117 Resp: 8850
Ion Ratio Lower Upper
117 100
119 7.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 43.997 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 98 Resp: 162698
Ion Ratio Lower Upper
98 100
100 66.9 52.0 78.0

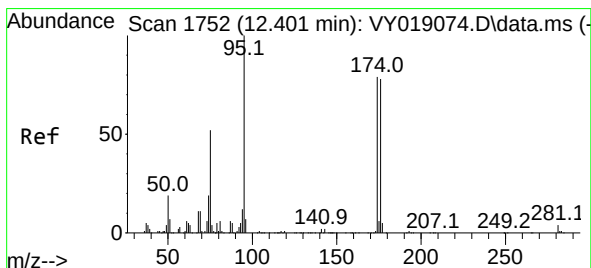
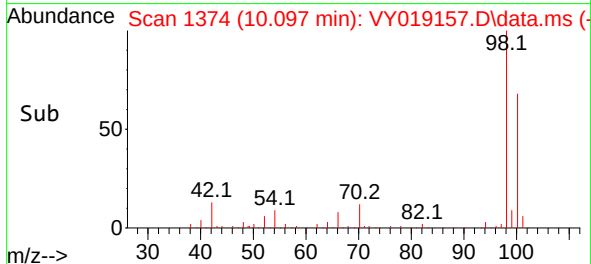
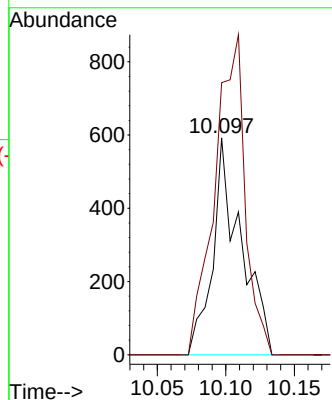
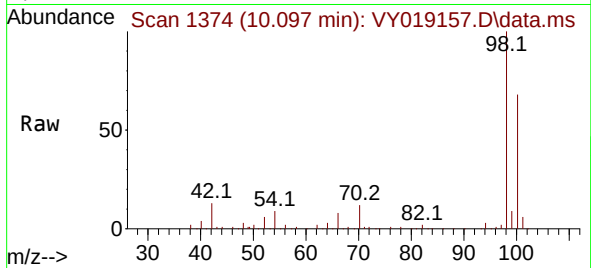




#51
4-Methyl-2-Pentanone
Concen: 1.255 ug/l
RT: 10.097 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

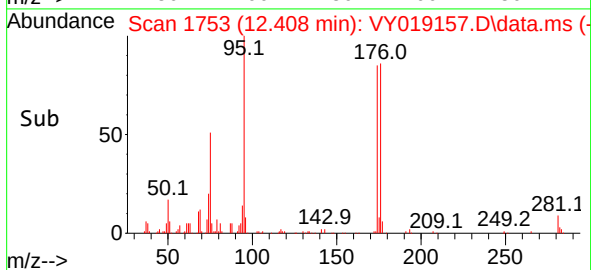
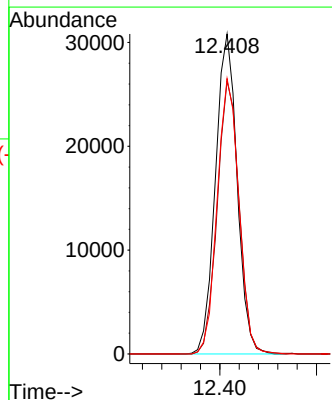
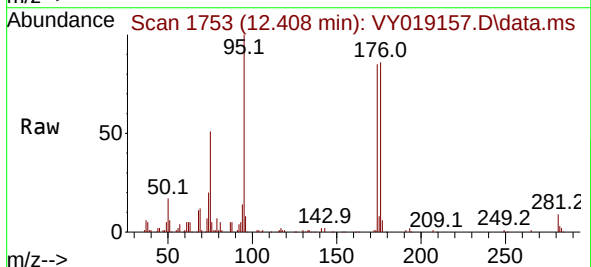
Instrument :
MSVOA_Y
ClientSampleId :

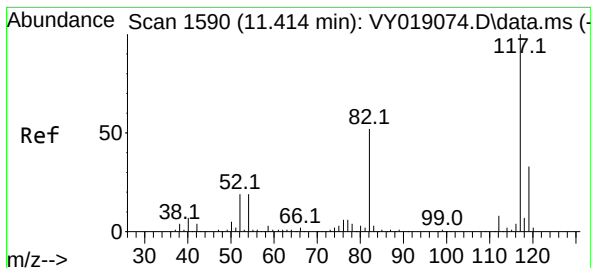
Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
58 159.9 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 37.991 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

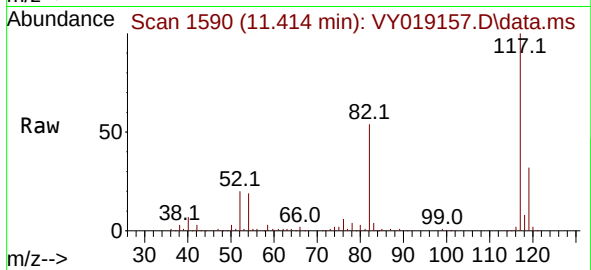
Tgt Ion: 95 Resp: 47892
Ion Ratio Lower Upper
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174 85.9 0.0 175.6
176 86.0 0.0 171.4



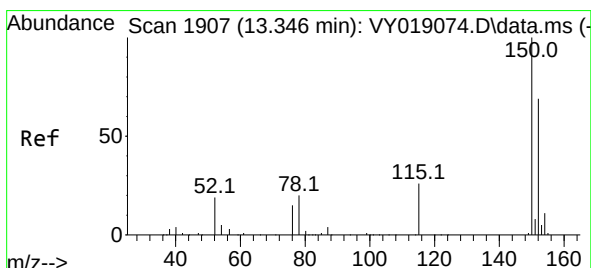
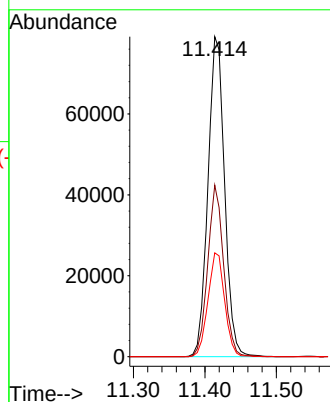
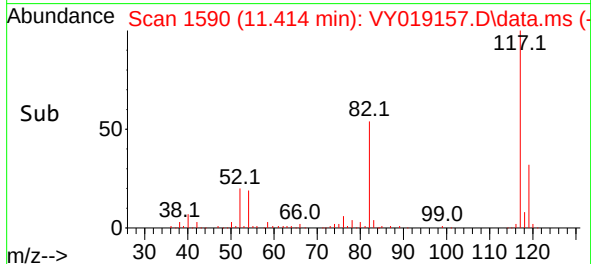


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

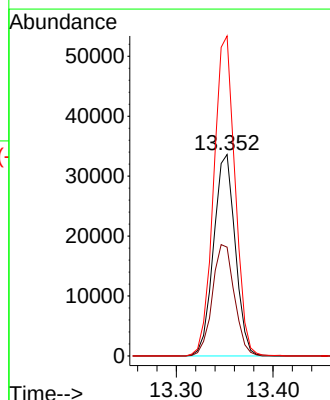
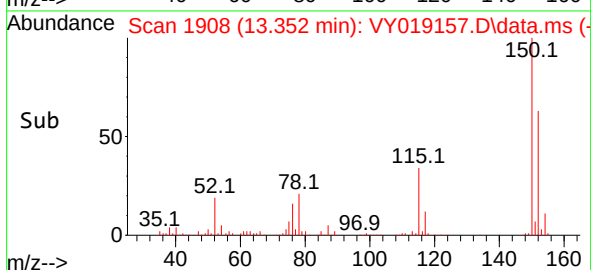
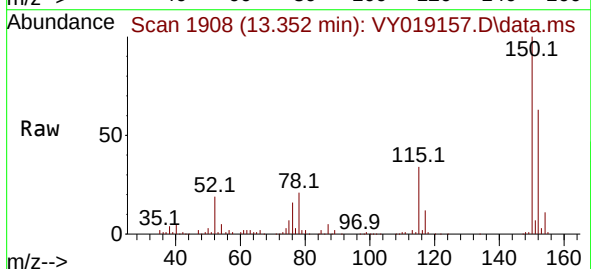


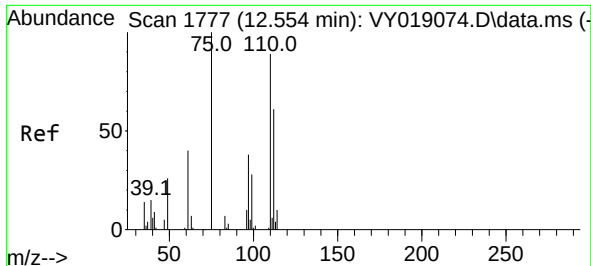
Tgt Ion:117 Resp: 127859
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Tgt Ion:152 Resp: 52176
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 156.7 0.0 345.6

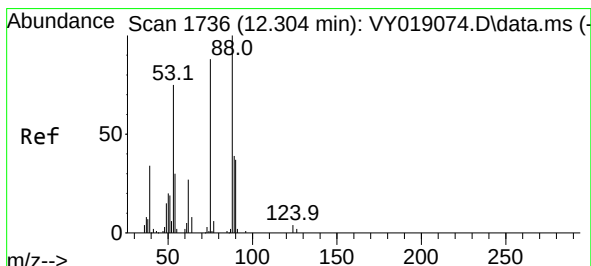
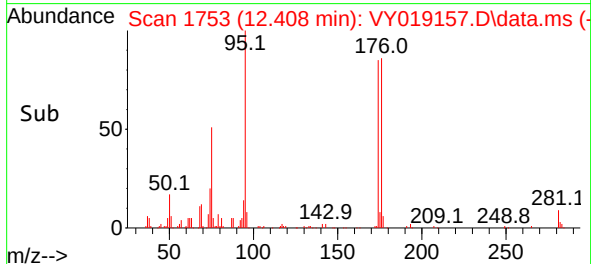
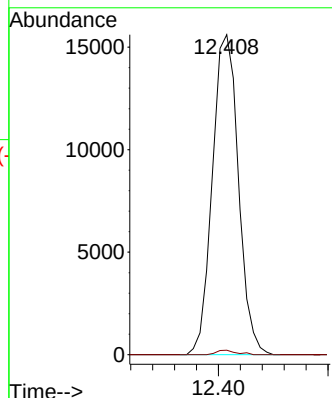
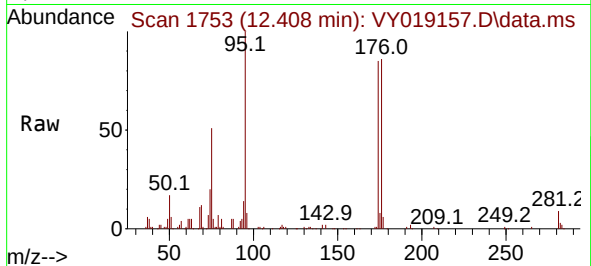




#76
1,2,3-Trichloropropane
Concen: 50.069 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 25763
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.654 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019157.D
Acq: 20 Aug 2024 17:40

Tgt Ion: 75 Resp: 25763
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

