

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082024\
 Data File : VY019153.D
 Acq On : 20 Aug 2024 16:04
 Operator : SY/MD
 Sample : P3643-06
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 21 01:31:06 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)

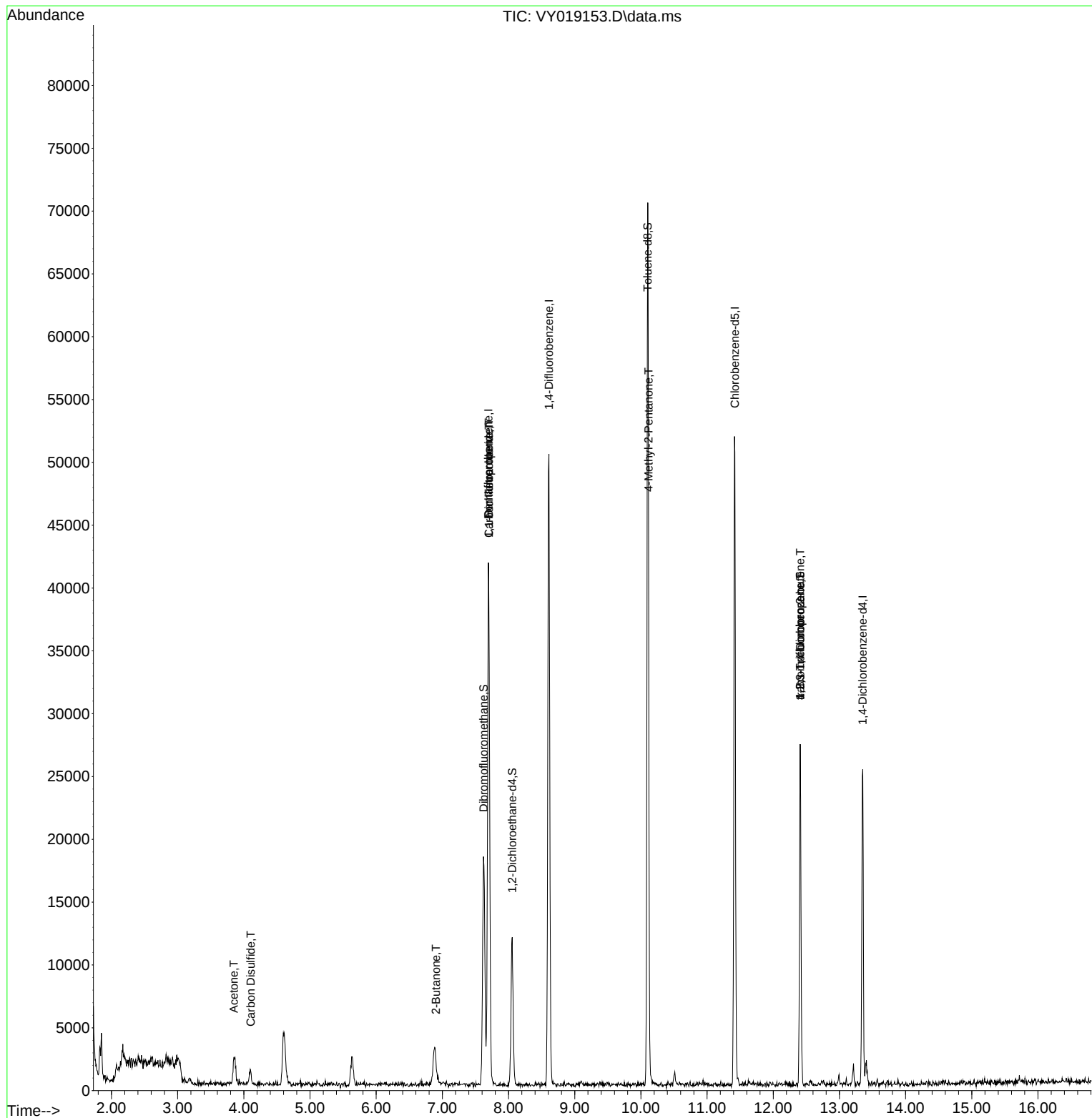
Internal Standards						
1) Pentafluorobenzene	7.695	168	31017	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	44329	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	28459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	6721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	8968	28.843	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.680%
35) Dibromofluoromethane	7.622	113	13307	45.910	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.820%
50) Toluene-d8	10.103	98	47460	45.500	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.000%
62) 4-Bromofluorobenzene	12.407	95	7867	22.124	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	44.240%
Target Compounds						
						Qvalue
5) Bromomethane	2.604	94	249	Below Cal		99
6) Chloroethane	2.751	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.854	59	31	Below Cal	#	88
16) Acetone	3.848	43	3978	68.989	ug/l #	78
17) Carbon Disulfide	4.104	76	1890	2.166	ug/l #	76
20) Methylene Chloride	4.598	84	1812	Below Cal		91
25) 2-Butanone	6.902	43	1560	16.799	ug/l #	72
31) Cyclohexane	7.695	56	907	Below Cal	#	63
36) 1,1-Dichloropropene	7.701	75	2540	6.382	ug/l #	47
38) Carbon Tetrachloride	7.701	117	3108	6.738	ug/l #	13
51) 4-Methyl-2-Pentanone	10.115	43	280	1.479	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	4260	64.272	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	4260	158.729	ug/l #	16

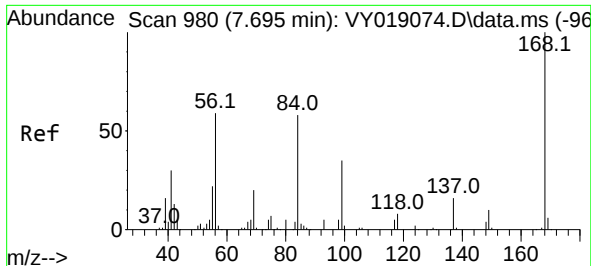
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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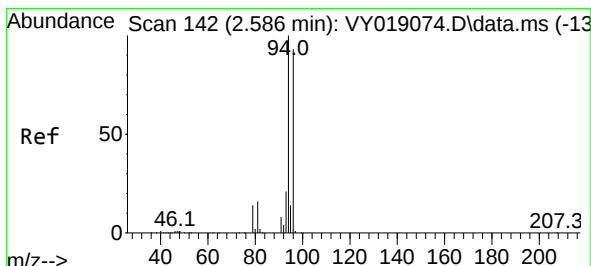
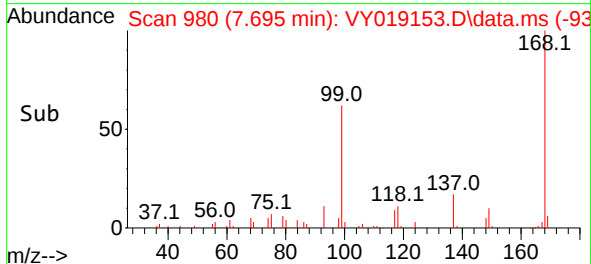
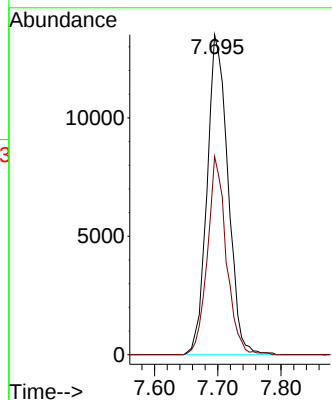
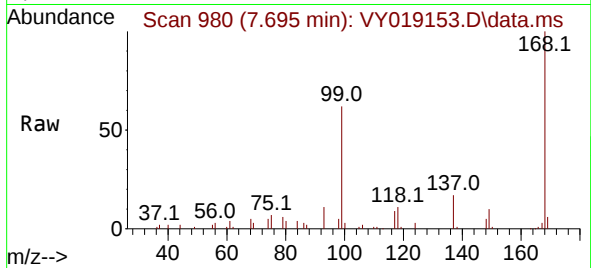




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

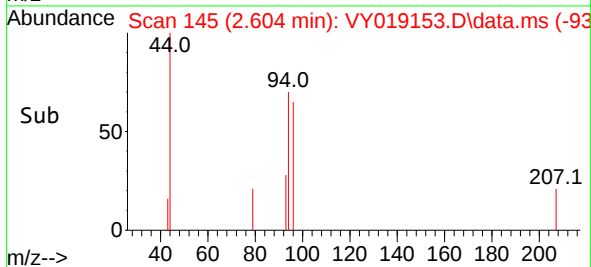
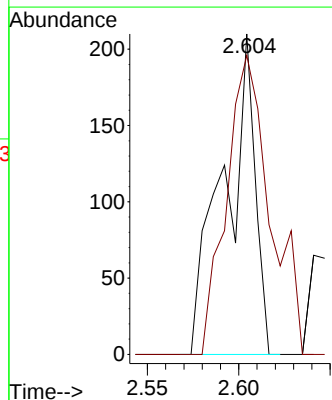
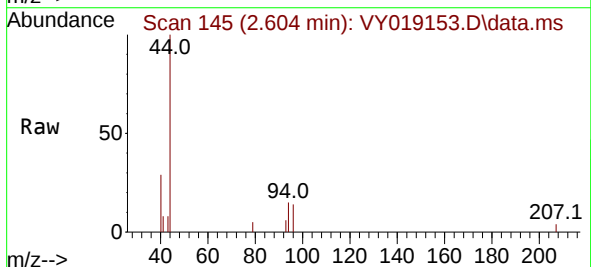
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 31017
Ion Ratio Lower Upper
168 100
99 61.9 39.1 58.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion: 94 Resp: 249
Ion Ratio Lower Upper
94 100
96 93.3 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

Instrument :

MSVOA_Y

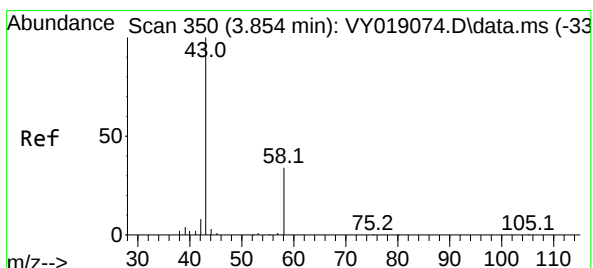
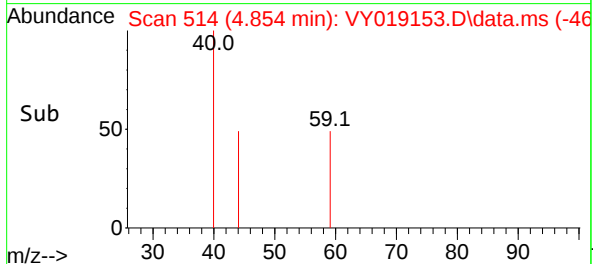
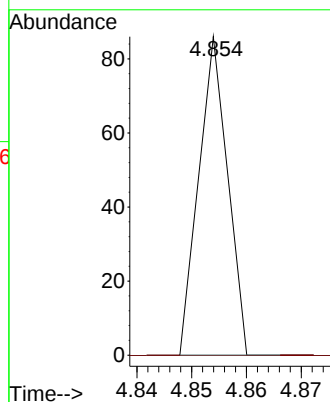
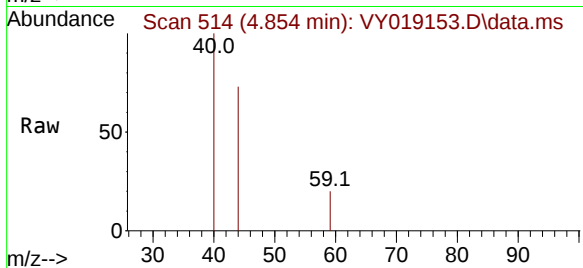
ClientSampleId :

Tgt Ion: 59 Resp: 31

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 68.989 ug/l

RT: 3.848 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY019153.D

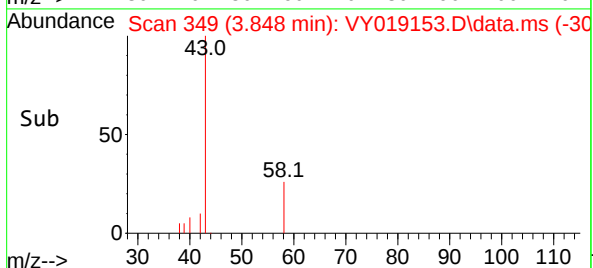
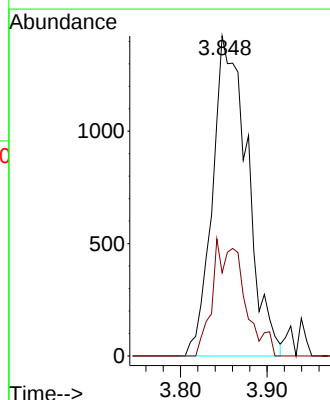
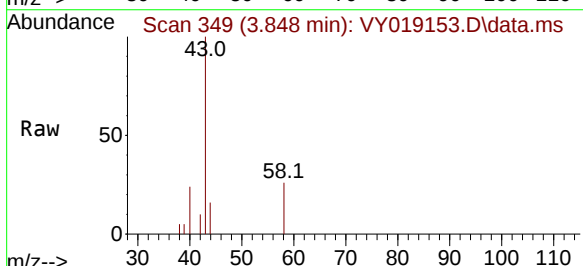
Acq: 20 Aug 2024 16:04

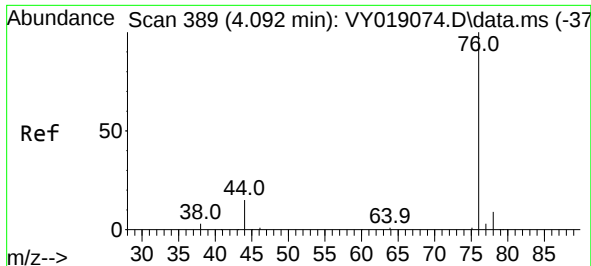
Tgt Ion: 43 Resp: 3978

Ion Ratio Lower Upper

43 100

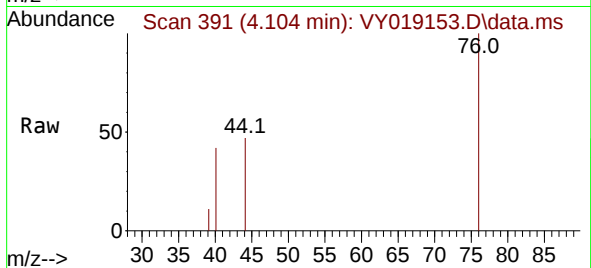
58 26.0 31.7 47.5#



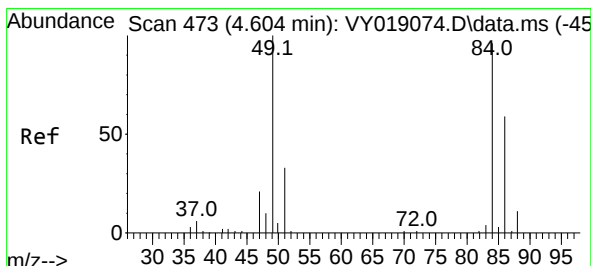
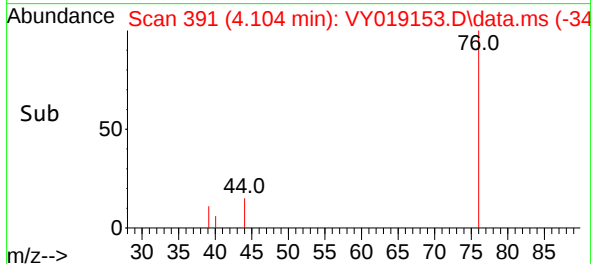
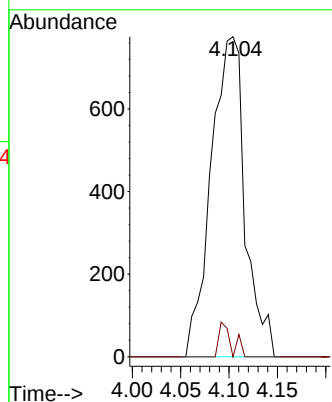


#17
Carbon Disulfide
Concen: 2.166 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

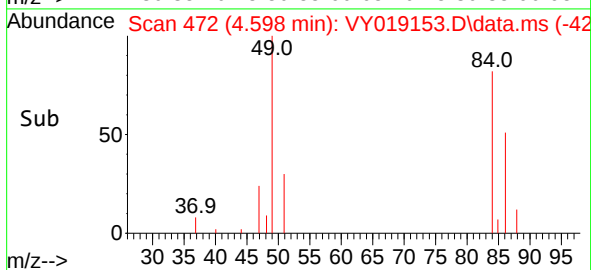
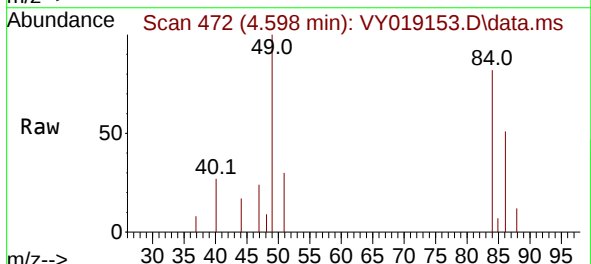
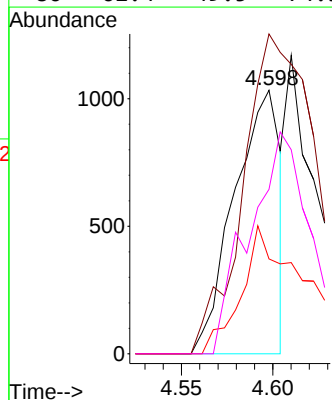


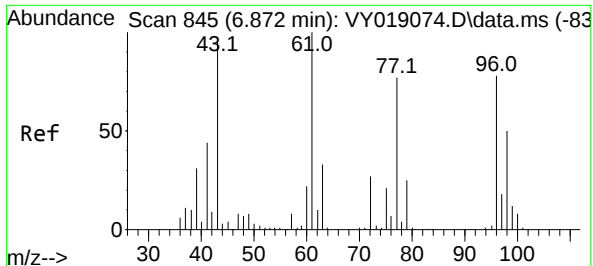
Tgt Ion: 76 Resp: 1890
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.598 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion: 84 Resp: 1812
Ion Ratio Lower Upper
84 100
49 121.4 84.4 126.6
51 36.0 26.0 39.0
86 62.4 49.5 74.3

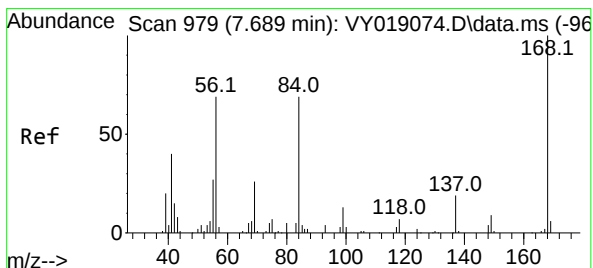
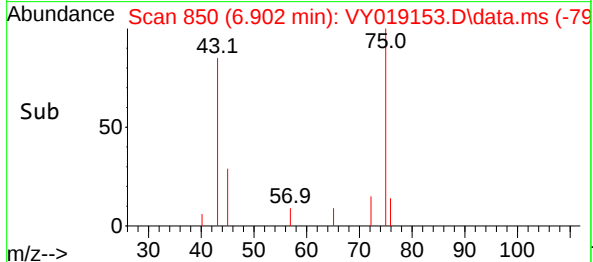
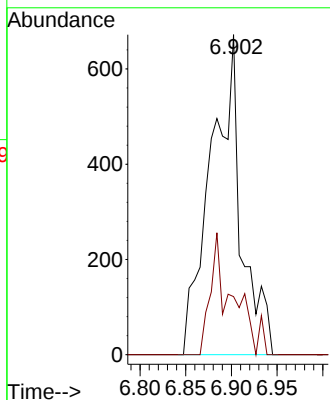
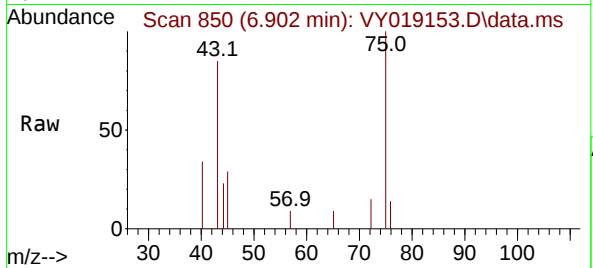




#25
2-Butanone
Concen: 16.799 ug/l
RT: 6.902 min Scan# 81
Delta R.T. 0.031 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

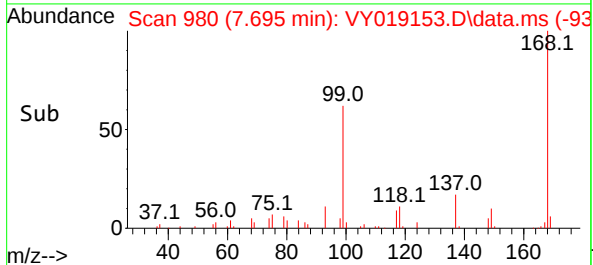
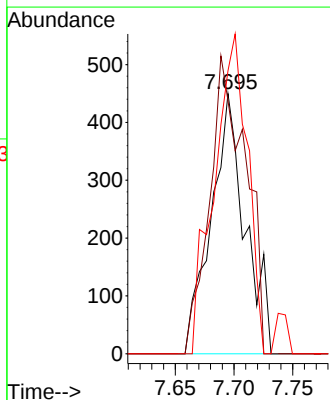
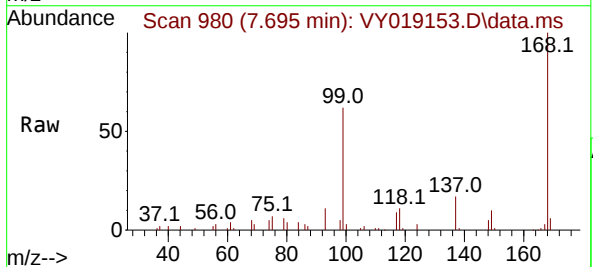
Instrument :
MSVOA_Y
ClientSampleId :

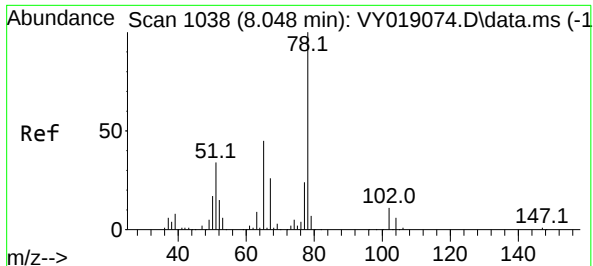
Tgt Ion: 43 Resp: 1560
Ion Ratio Lower Upper
43 100
72 18.2 27.3 40.9#



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion: 56 Resp: 907
Ion Ratio Lower Upper
56 100
69 97.3 28.7 43.1#
84 108.7 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 28.843 ug/l

RT: 8.055 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

Instrument :

MSVOA_Y

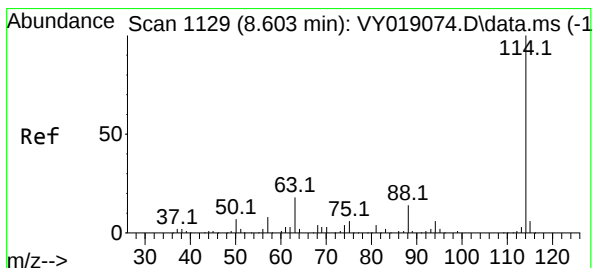
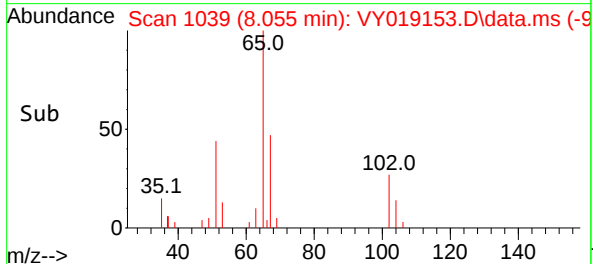
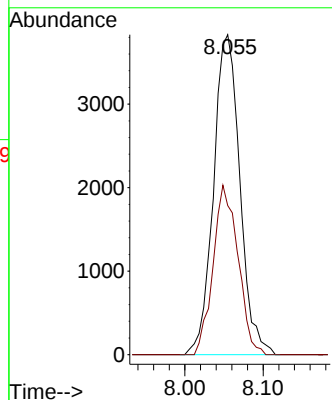
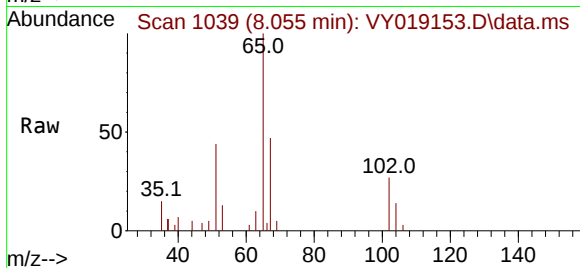
ClientSampleId :

Tgt Ion: 65 Resp: 8968

Ion Ratio Lower Upper

65 100

67 49.9 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: VY019153.D

Acq: 20 Aug 2024 16:04

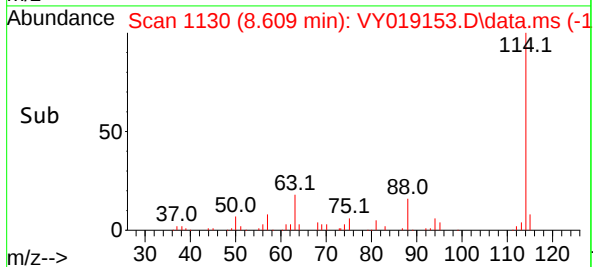
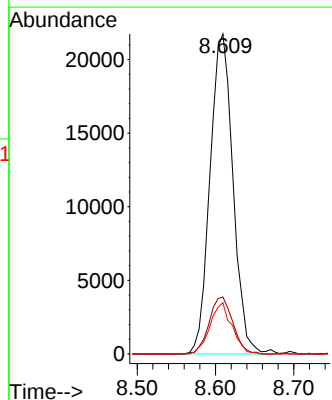
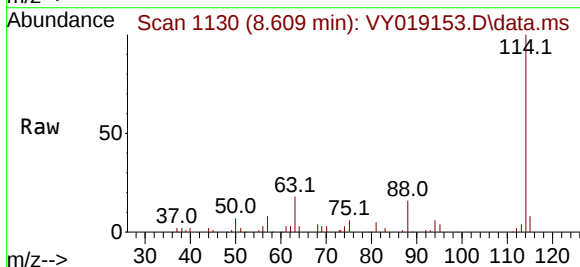
Tgt Ion: 114 Resp: 44329

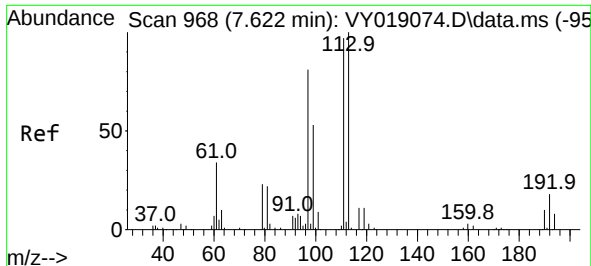
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 16.0 0.0 27.2

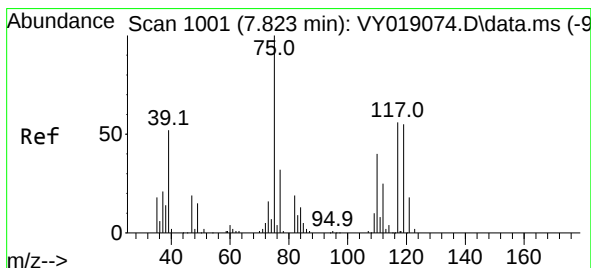
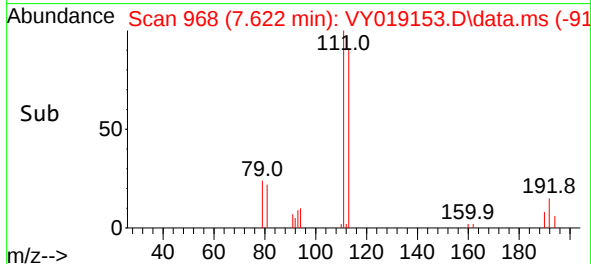
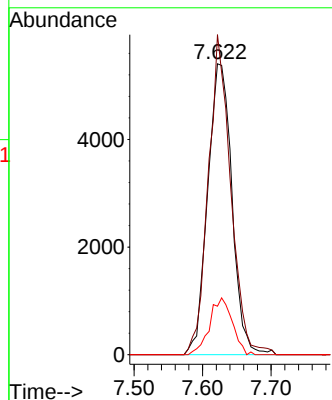
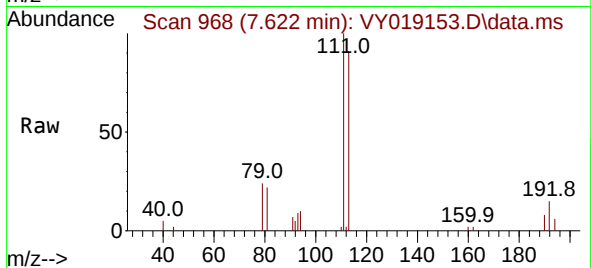




#35
Dibromofluoromethane
Concen: 45.910 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

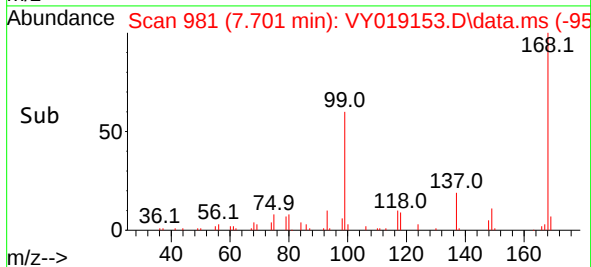
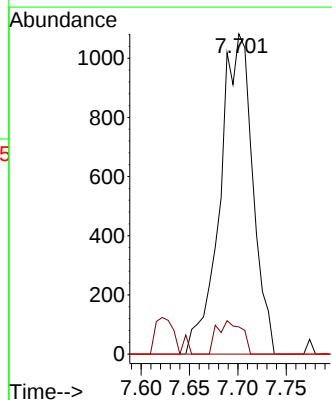
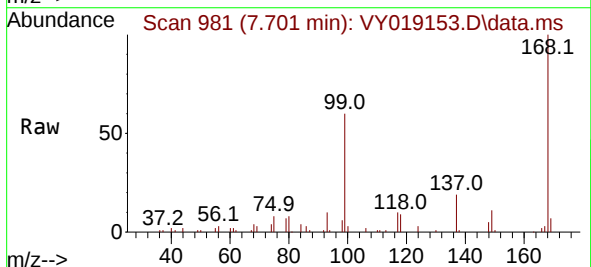
Instrument :
MSVOA_Y
ClientSampleId :

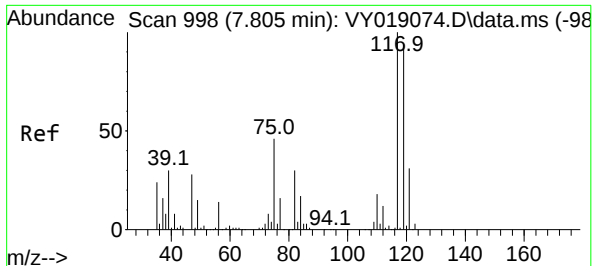
Tgt Ion:113 Resp: 13307
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.382 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

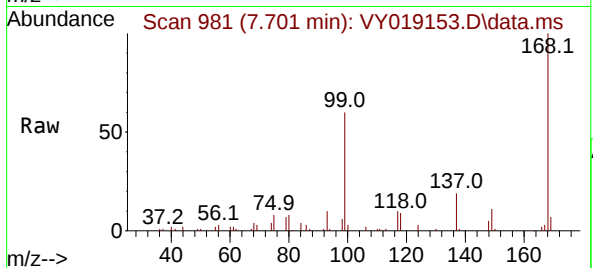
Tgt Ion: 75 Resp: 2540
Ion Ratio Lower Upper
75 100
110 8.0 19.0 57.0#
77 0.0 25.3 37.9#



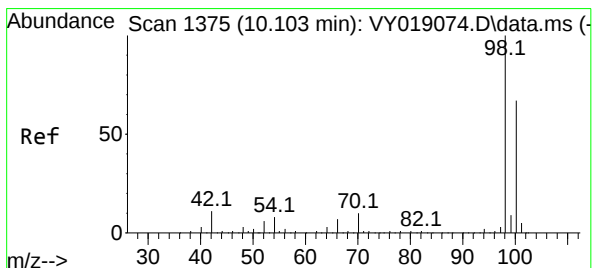
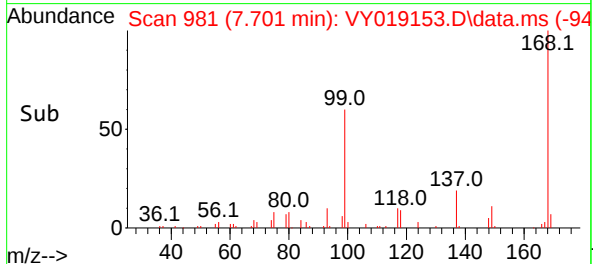
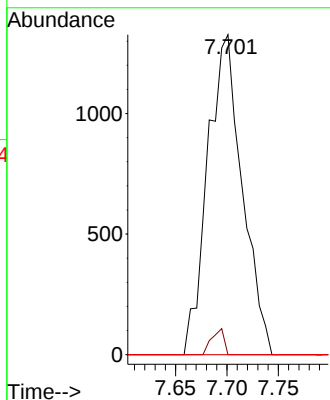


#38
Carbon Tetrachloride
Concen: 6.738 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

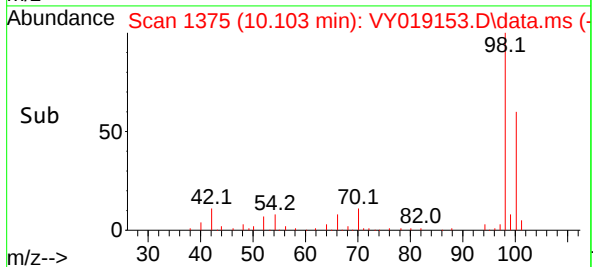
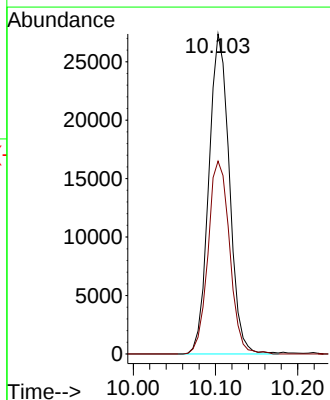
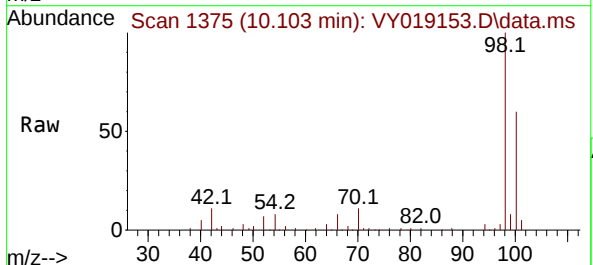


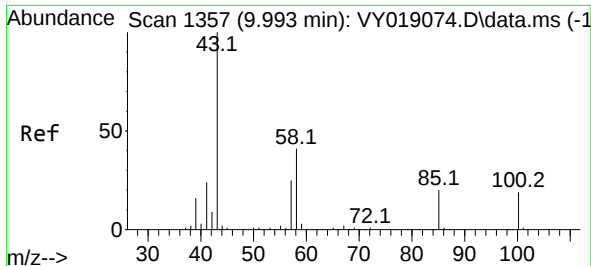
Tgt Ion:117 Resp: 3108
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 45.500 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion: 98 Resp: 47460
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.479 ug/l

RT: 10.115 min Scan# 11

Delta R.T. 0.122 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

Instrument :

MSVOA_Y

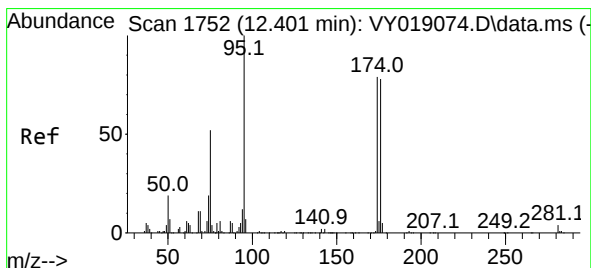
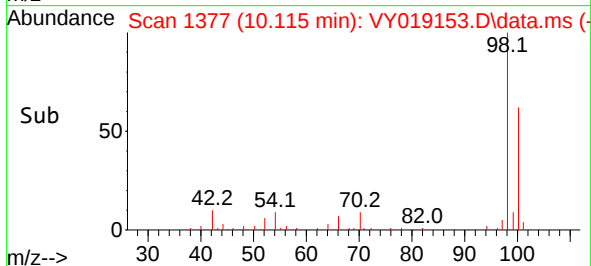
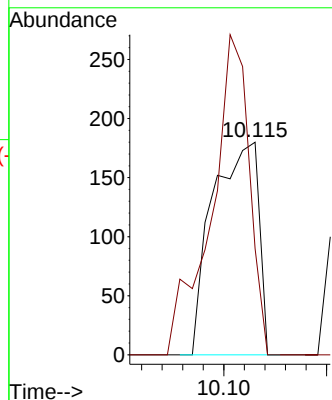
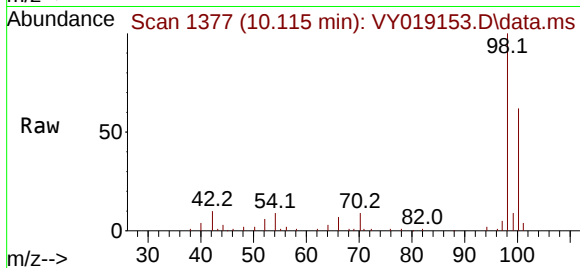
ClientSampleId :

Tgt Ion: 43 Resp: 280

Ion Ratio Lower Upper

43 100

58 124.6 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 22.124 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019153.D

Acq: 20 Aug 2024 16:04

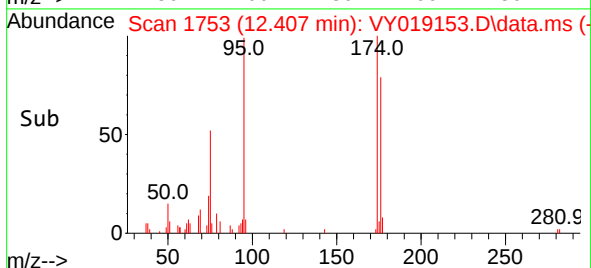
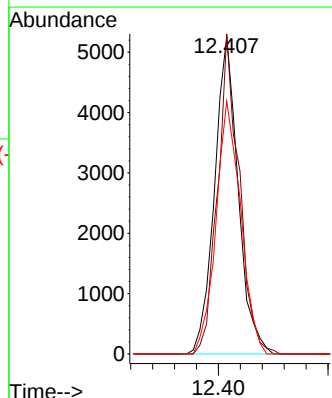
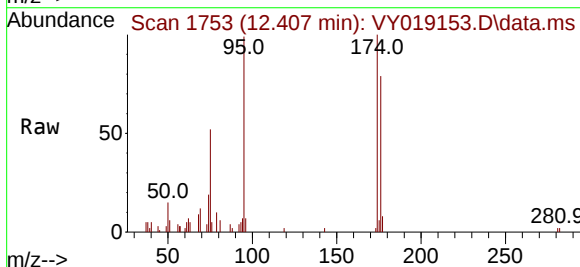
Tgt Ion: 95 Resp: 7867

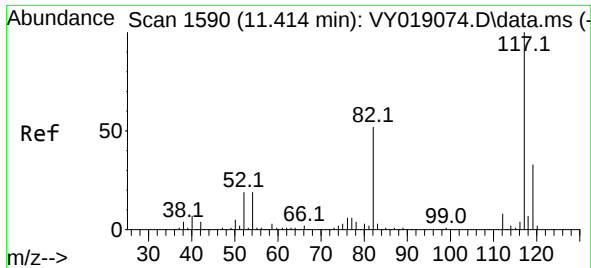
Ion Ratio Lower Upper

95 100

174 91.9 0.0 175.6

176 83.3 0.0 171.4

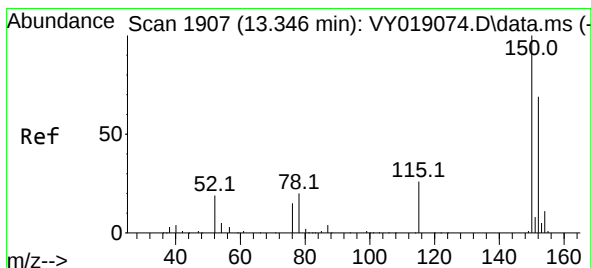
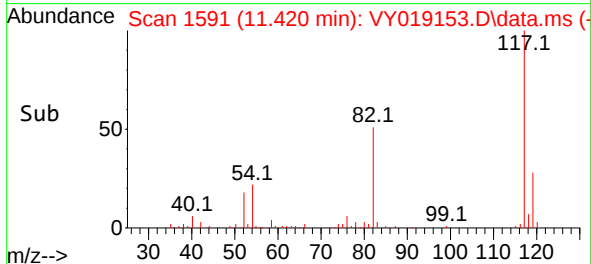
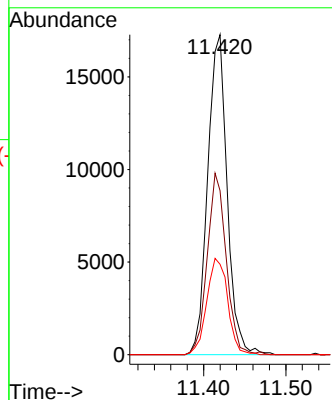
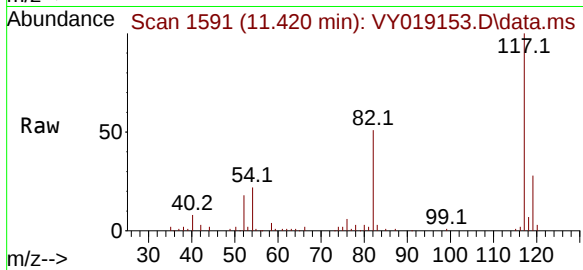




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

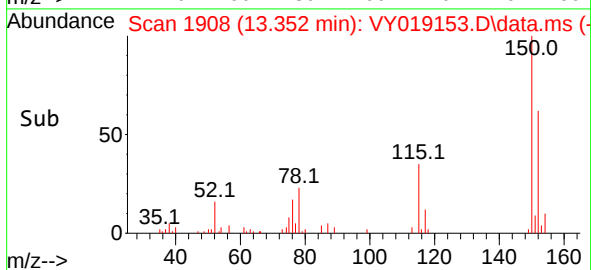
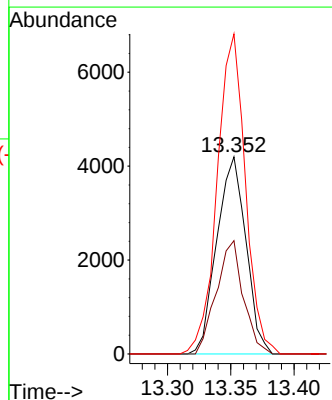
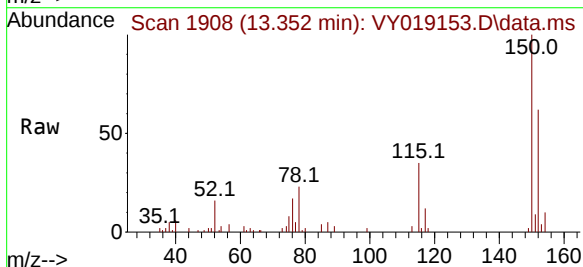
Instrument :
MSVOA_Y
ClientSampleId :

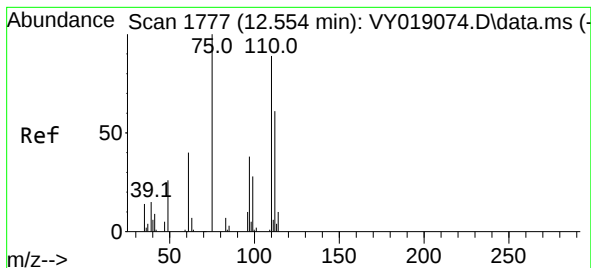
Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.4	63.6
119	28.3	25.9	38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	28.2	84.7
150	157.1	0.0	345.6

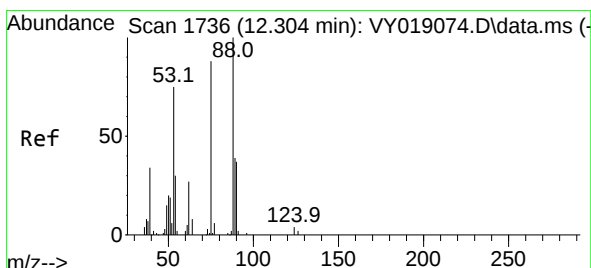
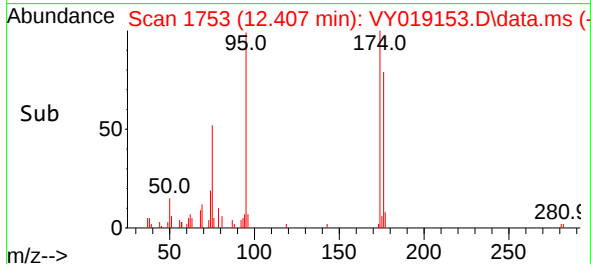
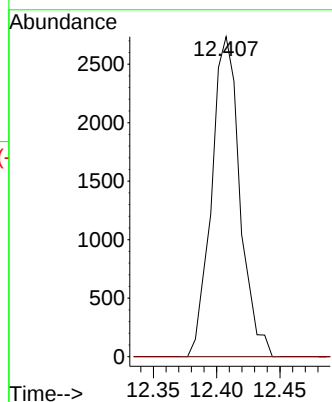
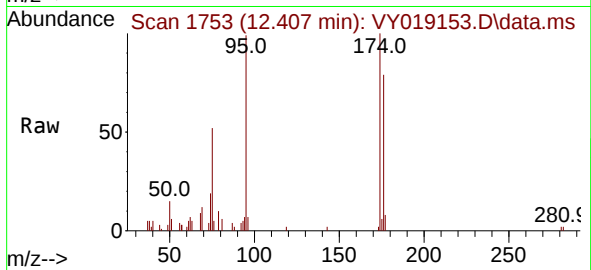




#76
1,2,3-Trichloropropane
Concen: 64.272 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 4260
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 158.729 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019153.D
Acq: 20 Aug 2024 16:04

Tgt Ion: 75 Resp: 4260
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

