

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019051.D
 Acq On : 14 Aug 2024 12:09
 Operator : SY/MD
 Sample : P3512-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:44:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

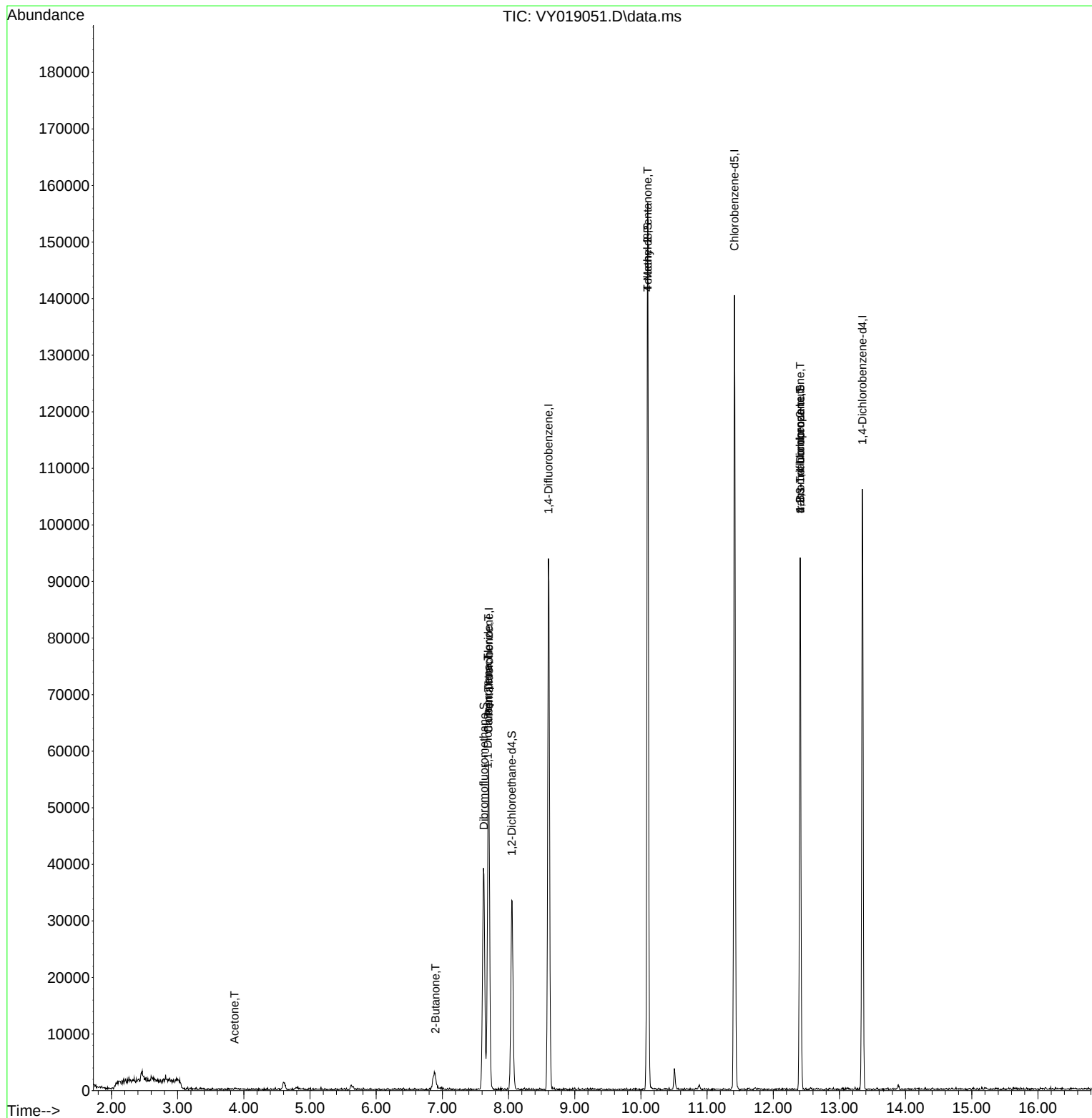
Internal Standards						
1) Pentafluorobenzene	7.701	168	45945	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	79827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	67944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	24058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	20507	50.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.680%
35) Dibromofluoromethane	7.628	113	24611	48.272	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.540%
50) Toluene-d8	10.103	98	93906	47.952	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.900%
62) 4-Bromofluorobenzene	12.408	95	21338	36.726	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	73.460%
Target Compounds						
					Qvalue	
3) Chloromethane	2.306	50	102	Below Cal	#	43
11) Tert butyl alcohol	4.854	59	153	Below Cal	#	88
16) Acetone	3.860	43	59	13.064	ug/l #	36
20) Methylene Chloride	4.610	84	759	Below Cal	#	84
25) 2-Butanone	6.896	43	205	1.570	ug/l #	41
31) Cyclohexane	7.695	56	1399	Below Cal	#	57
36) 1,1-Dichloropropene	7.689	75	3601	5.262	ug/l #	48
38) Carbon Tetrachloride	7.695	117	4476	5.704	ug/l #	18
41) Methacrylonitrile	6.933	41	19	Below Cal	#	15
51) 4-Methyl-2-Pentanone	10.103	43	462	1.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	12978	72.410	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	12978	149.208	ug/l #	16

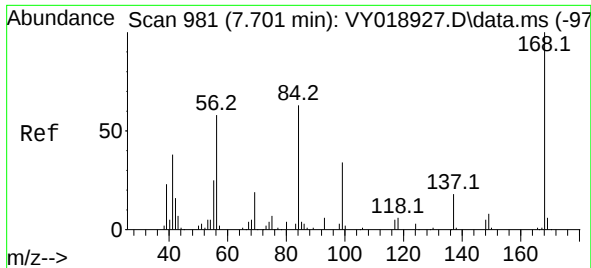
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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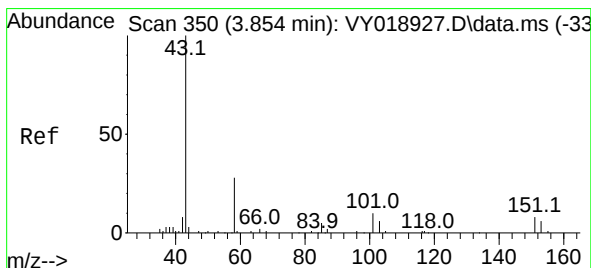
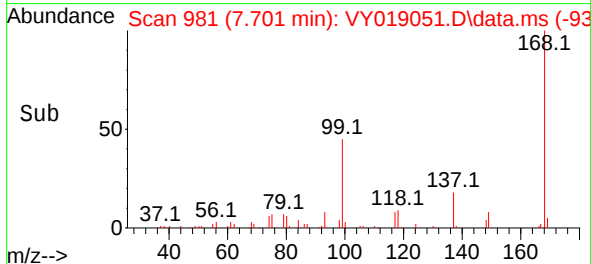
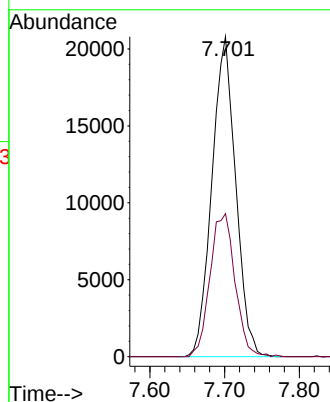
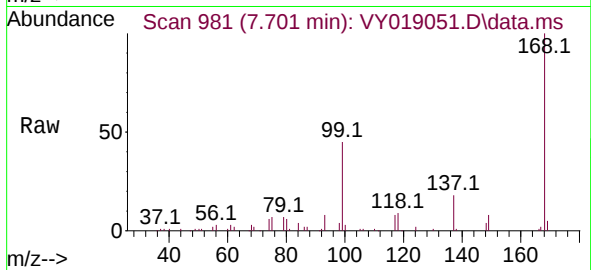




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

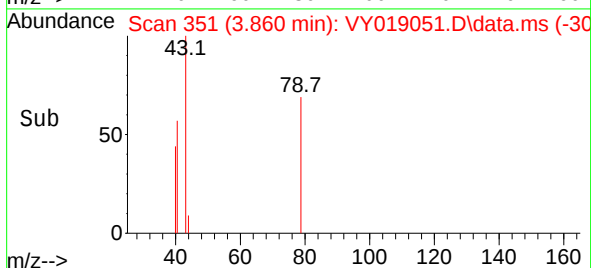
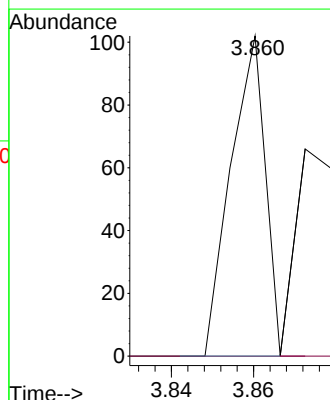
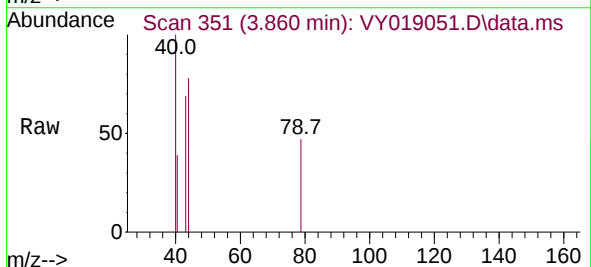
Instrument :
MSVOA_Y
ClientSampleId :

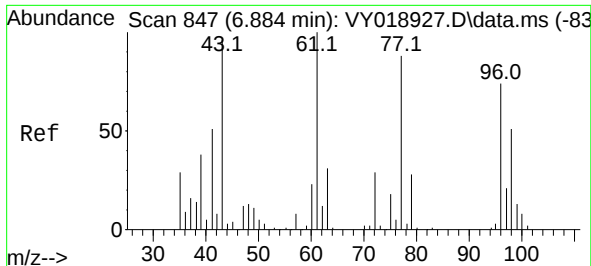
Tgt Ion:168 Resp: 45945
Ion Ratio Lower Upper
168 100
99 44.7 39.1 58.7



#16
Acetone
Concen: 13.064 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 1.570 ug/l

RT: 6.896 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY019051.D

Acq: 14 Aug 2024 12:09

Instrument :

MSVOA_Y

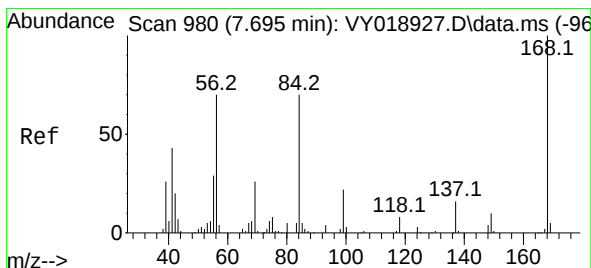
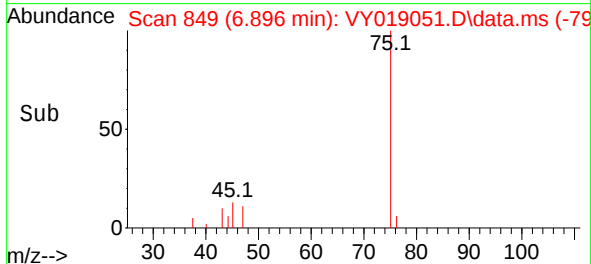
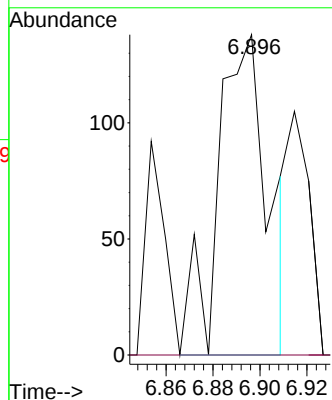
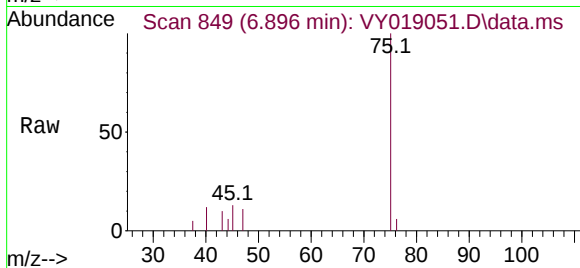
ClientSampleId :

Tgt Ion: 43 Resp: 205

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.000 min

Lab File: VY019051.D

Acq: 14 Aug 2024 12:09

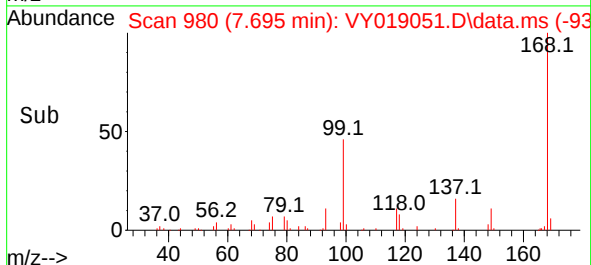
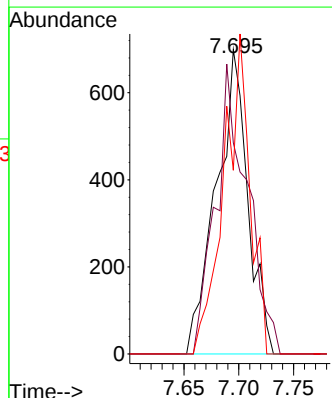
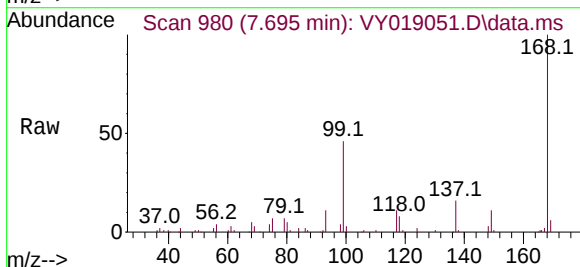
Tgt Ion: 56 Resp: 1399

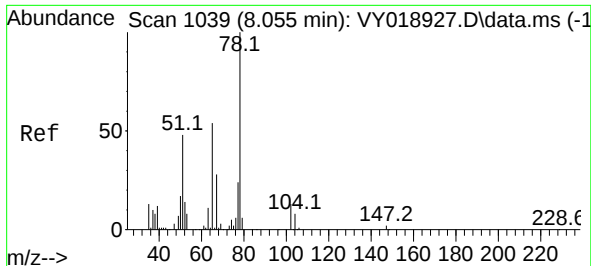
Ion Ratio Lower Upper

56 100

69 69.4 28.7 43.1#

84 60.4 77.7 116.5#

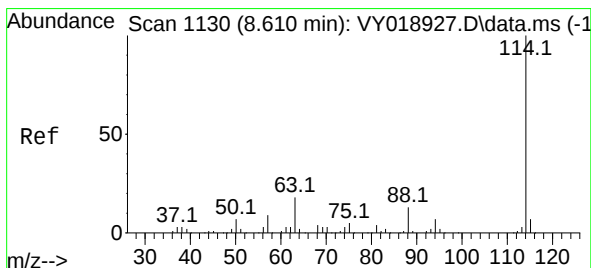
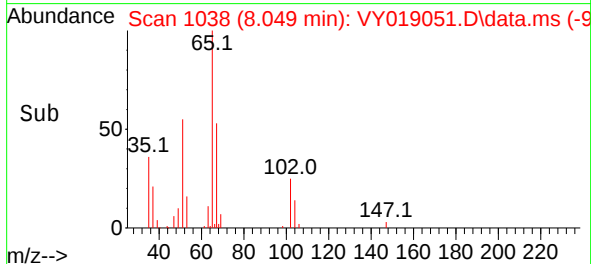
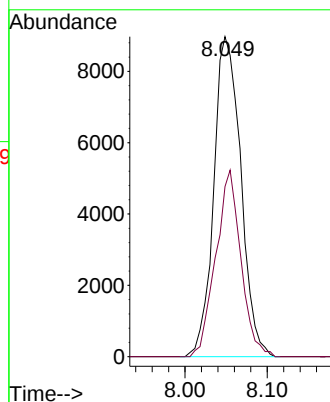
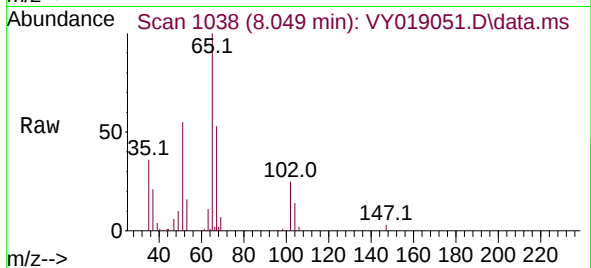




#33
1,2-Dichloroethane-d4
Concen: 50.836 ug/l
RT: 8.049 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

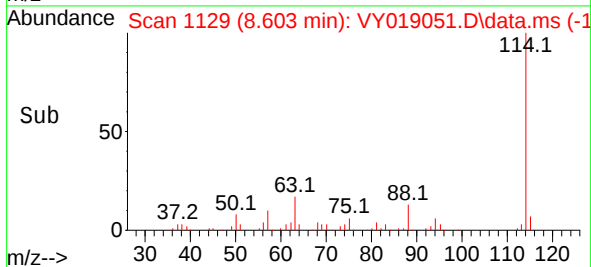
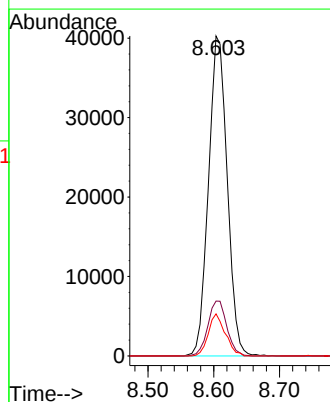
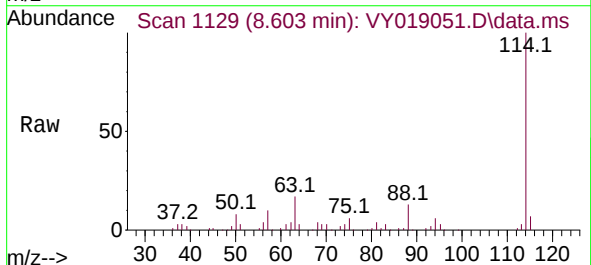
Instrument :
MSVOA_Y
ClientSampleId :

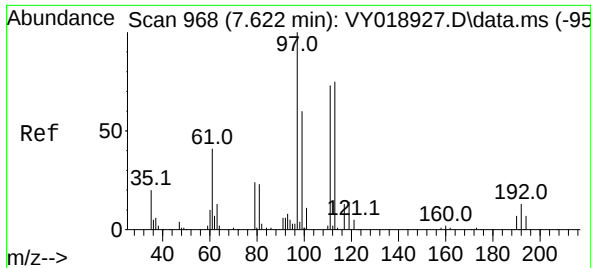
Tgt Ion: 65 Resp: 20507
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.603 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

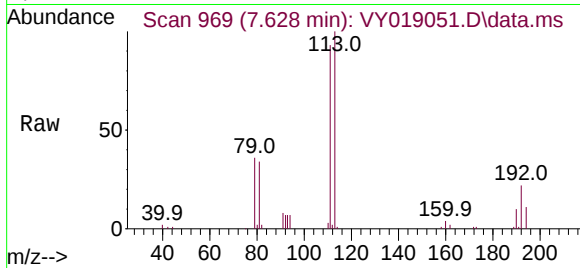
Tgt Ion:114 Resp: 79827
Ion Ratio Lower Upper
114 100
63 17.2 0.0 35.0
88 13.1 0.0 27.2



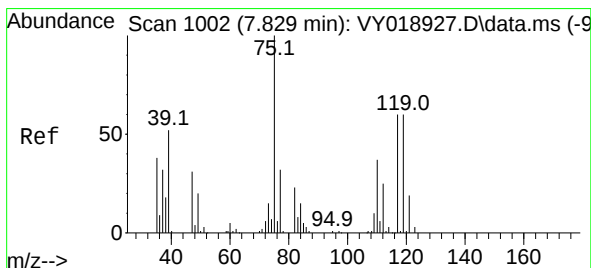
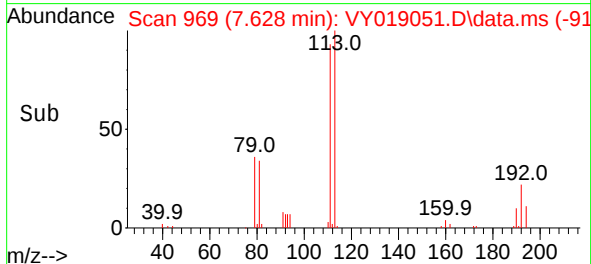
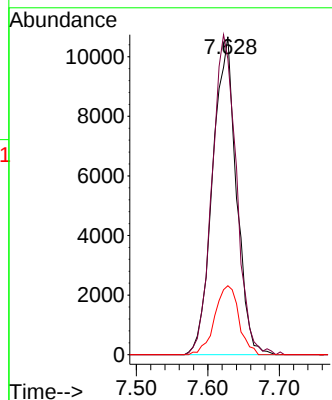


#35
Dibromofluoromethane
Concen: 48.272 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Instrument :
MSVOA_Y
ClientSampleId :

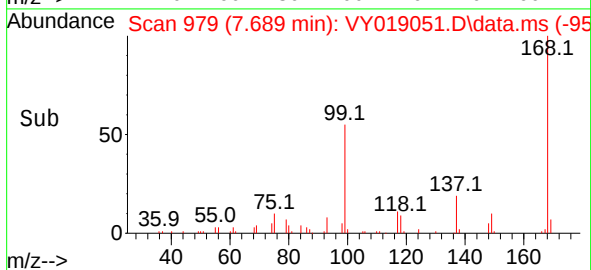
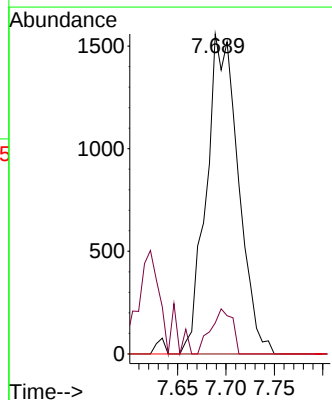
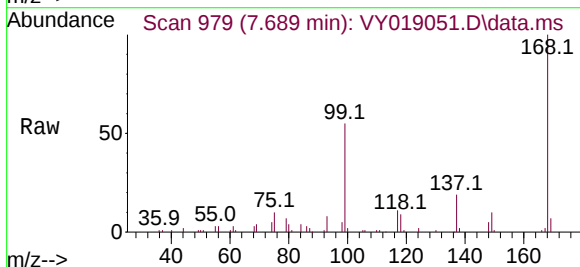


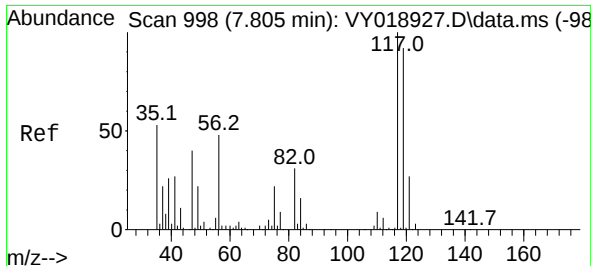
Tgt Ion:113 Resp: 24611
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 22.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.262 ug/l
RT: 7.689 min Scan# 979
Delta R.T. -0.140 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Tgt Ion: 75 Resp: 3601
Ion Ratio Lower Upper
75 100
110 9.4 19.0 57.0#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.704 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.110 min

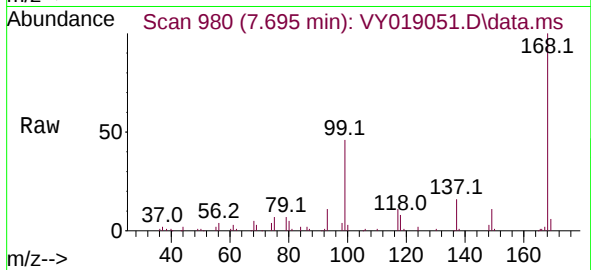
Lab File: VY019051.D

Acq: 14 Aug 2024 12:09

Instrument :

MSVOA_Y

ClientSampleId :



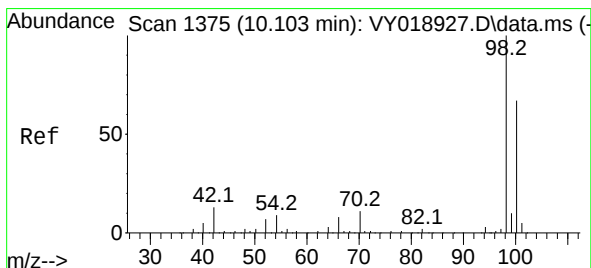
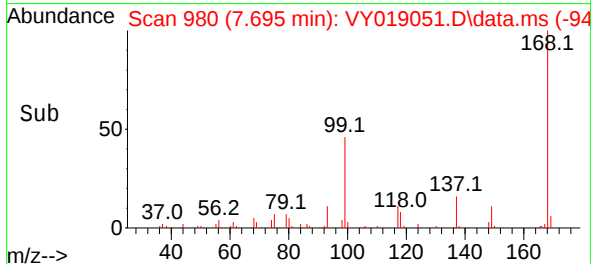
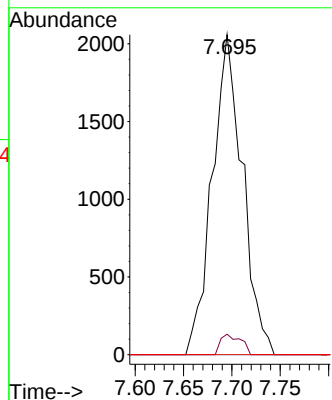
Tgt Ion:117 Resp: 4476

Ion Ratio Lower Upper

117 100

119 6.4 75.8 113.6#

121 0.0 24.0 36.0#



#50

Toluene-d8

Concen: 47.952 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019051.D

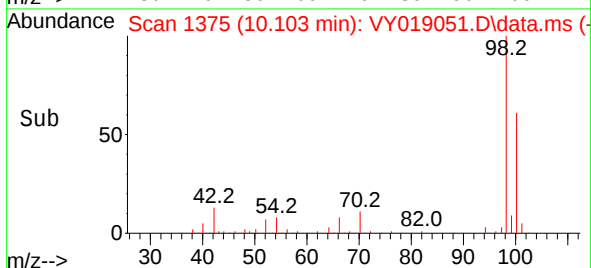
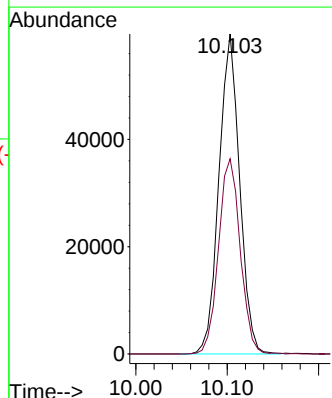
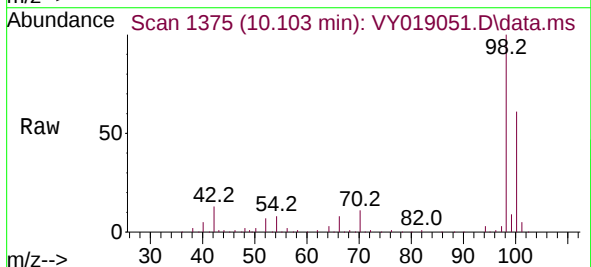
Acq: 14 Aug 2024 12:09

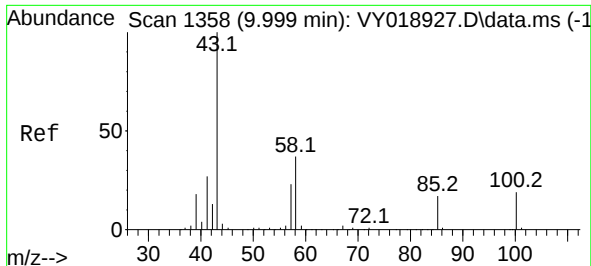
Tgt Ion: 98 Resp: 93906

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0

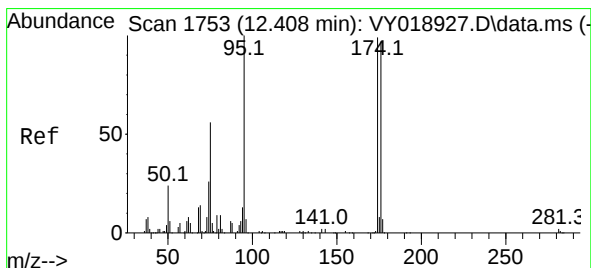
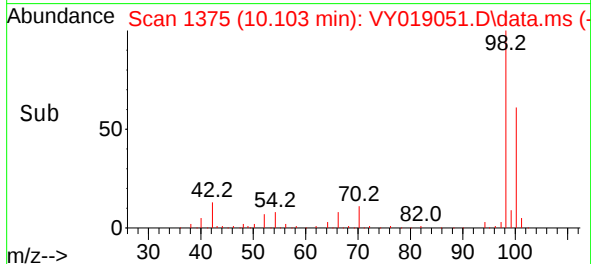
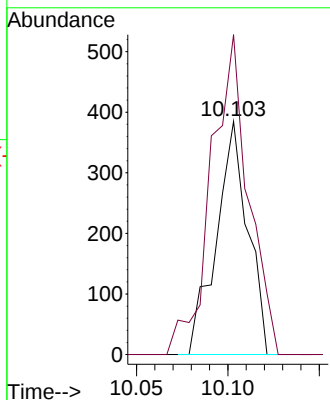
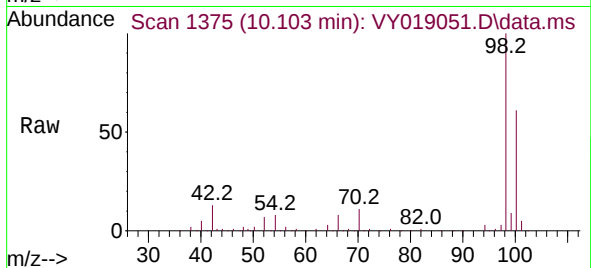




#51
4-Methyl-2-Pentanone
Concen: 1.408 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

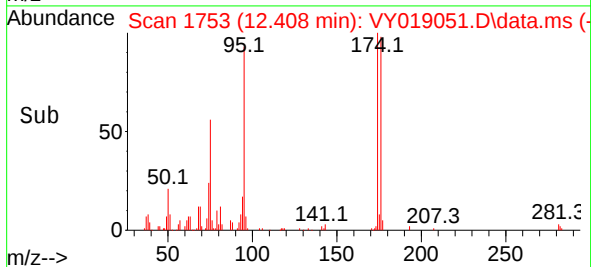
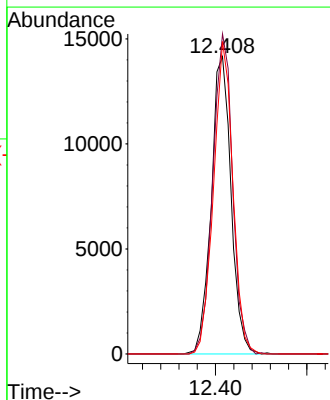
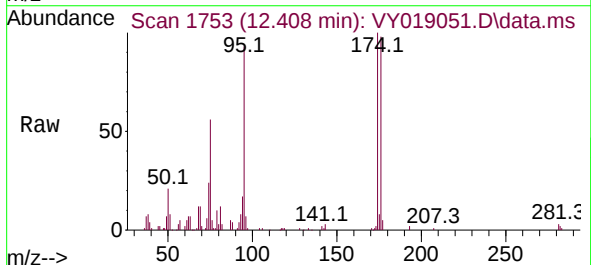
Instrument :
MSVOA_Y
ClientSampleId :

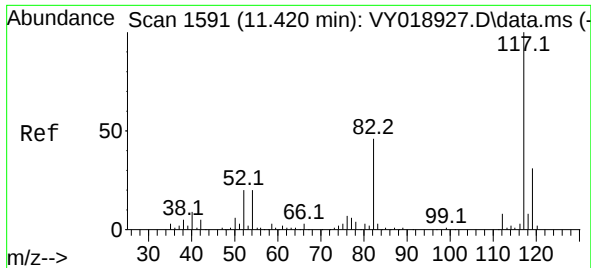
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 162.3 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 36.726 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Tgt Ion: 95 Resp: 21338
Ion Ratio Lower Upper
95 100
174 107.3 0.0 175.6
176 102.1 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019051.D

Acq: 14 Aug 2024 12:09

Instrument :

MSVOA_Y

ClientSampleId :

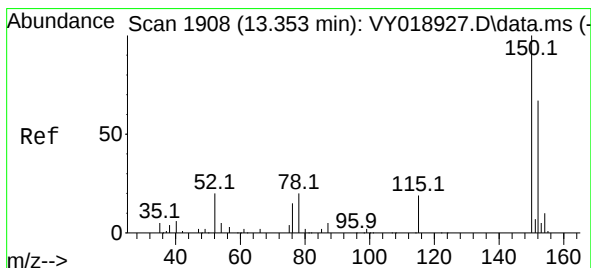
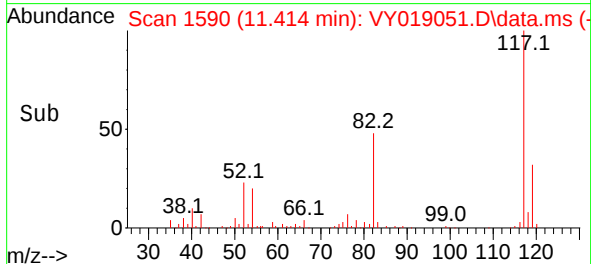
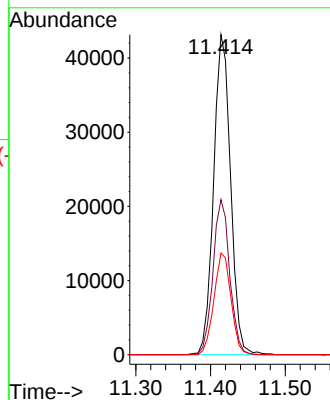
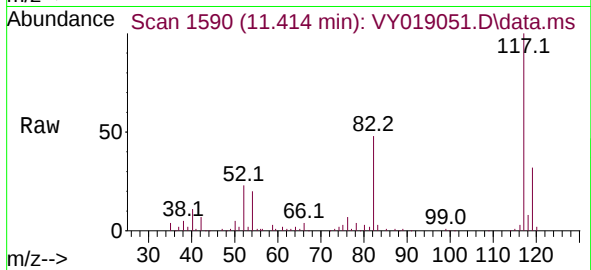
Tgt Ion:117 Resp: 67944

Ion Ratio Lower Upper

117 100

82 48.5 42.4 63.6

119 31.7 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY019051.D

Acq: 14 Aug 2024 12:09

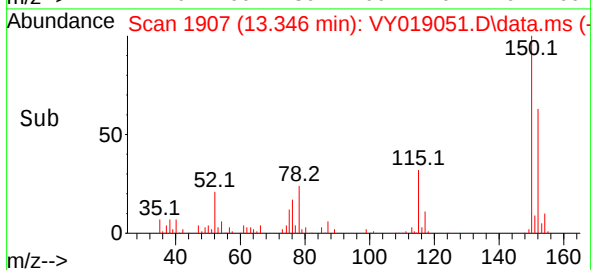
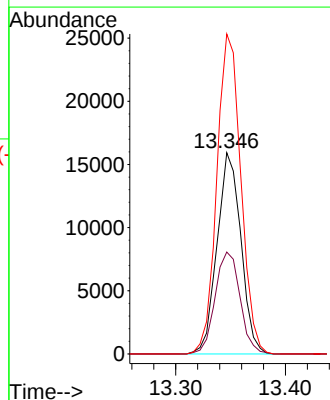
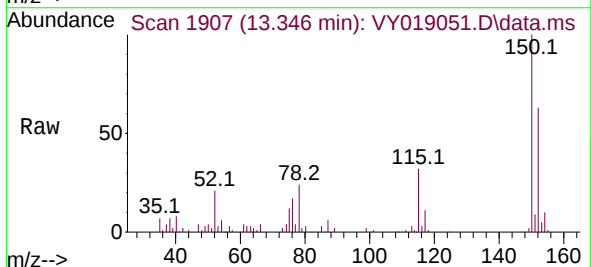
Tgt Ion:152 Resp: 24058

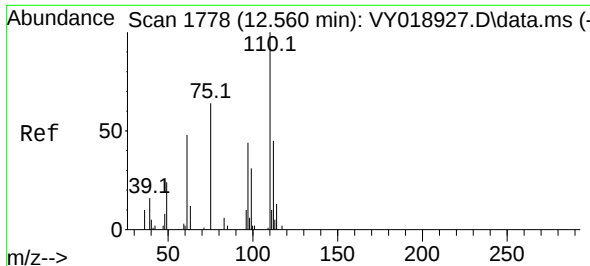
Ion Ratio Lower Upper

152 100

115 52.9 28.2 84.7

150 160.3 0.0 345.6

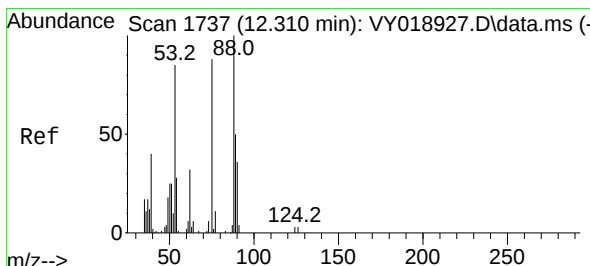
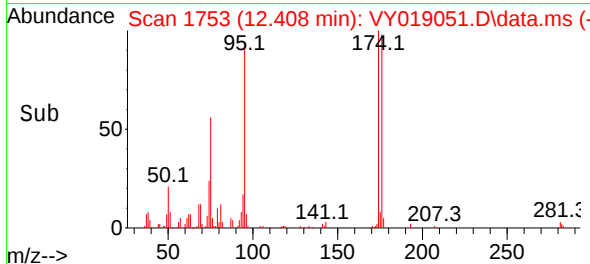
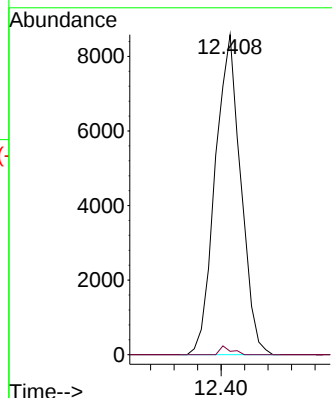
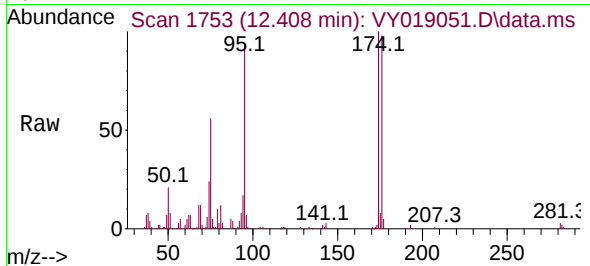




#76
1,2,3-Trichloropropane
Concen: 72.410 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 12978
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 149.208 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY019051.D
Acq: 14 Aug 2024 12:09

Tgt Ion: 75 Resp: 12978
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.2 35.8 53.6#

