

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019063.D
 Acq On : 14 Aug 2024 17:05
 Operator : SY/MD
 Sample : P3580-03
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:48:33 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)

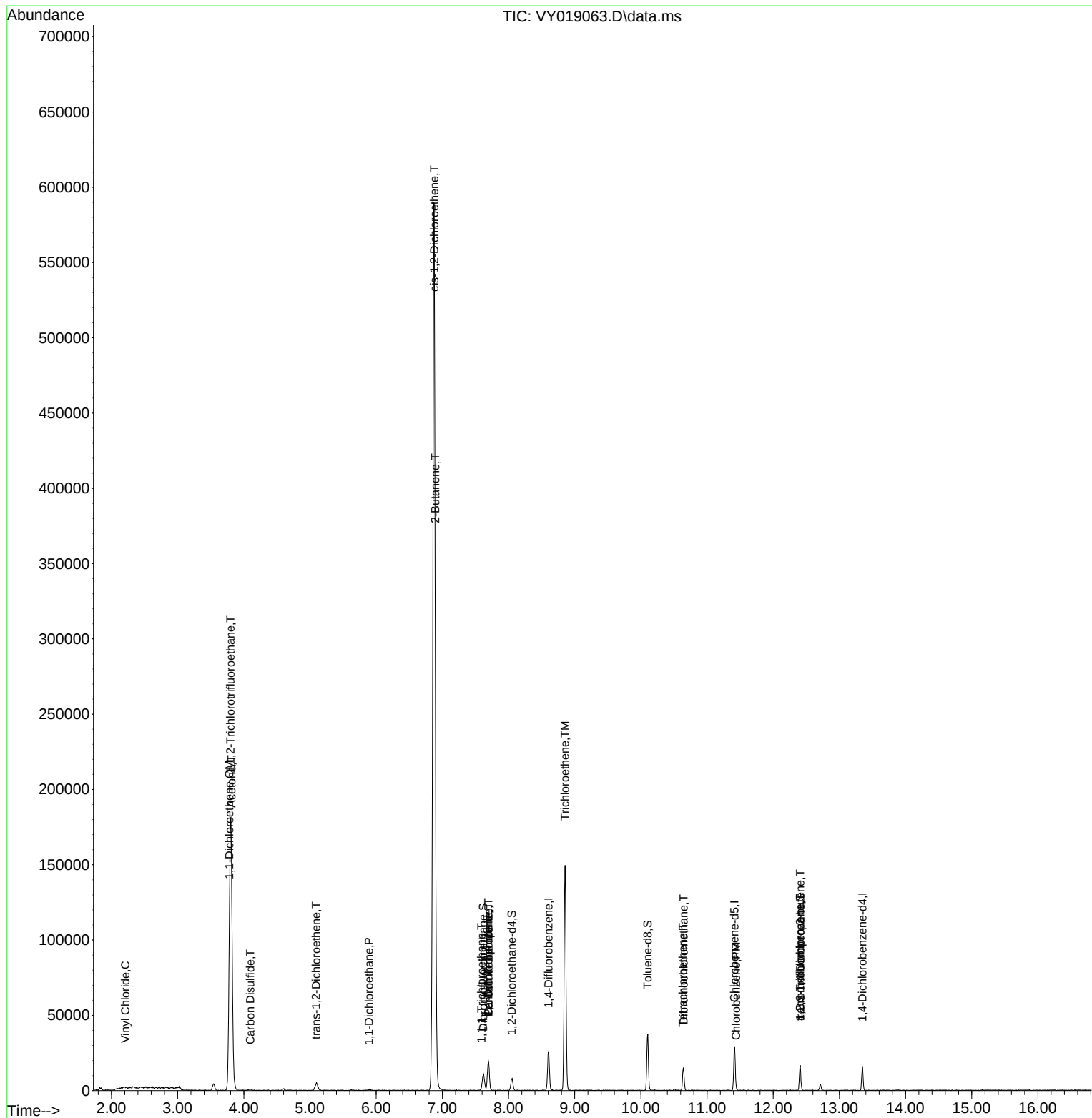
Internal Standards						
1) Pentafluorobenzene	7.695	168	15293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	21981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	14893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	3809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	4660	34.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	69.420%
35) Dibromofluoromethane	7.616	113	6641	47.304	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.600%
50) Toluene-d8	10.103	98	23377	43.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	86.700%
62) 4-Bromofluorobenzene	12.408	95	3681	23.009	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	46.020%
Target Compounds						
					Qvalue	
3) Chloromethane	2.159	50	48	Below Cal	#	43
4) Vinyl Chloride	2.208	62	420	1.192	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	3.799	101	97163	662.430	ug/l	92
11) Tert butyl alcohol	5.098	59	120	Below Cal	#	88
12) 1,1-Dichloroethene	3.781	96	1825	13.170	ug/l #	54
16) Acetone	3.812	43	2180	72.924	ug/l #	36
17) Carbon Disulfide	4.098	76	1675	4.066	ug/l #	90
20) Methylene Chloride	4.604	84	373	Below Cal	#	82
21) trans-1,2-Dichloroethene	5.092	96	2944	19.202	ug/l #	76
24) 1,1-Dichloroethane	5.891	63	723	2.917	ug/l #	80
25) 2-Butanone	6.890	43	537	12.352	ug/l #	1
27) cis-1,2-Dichloroethene	6.878	96	314186	1712.706	ug/l	91
31) Cyclohexane	7.689	56	361	Below Cal	#	47
32) 1,1,1-Trichloroethane	7.591	97	699	2.917	ug/l #	84
36) 1,1-Dichloropropene	7.695	75	1353	7.179	ug/l #	40
38) Carbon Tetrachloride	7.695	117	1533	7.095	ug/l #	13
44) Trichloroethene	8.853	130	45028	281.926	ug/l	94
60) Dibromochloromethane	10.646	129	2440	18.294	ug/l #	10
64) Tetrachloroethene	10.634	164	2818	22.572	ug/l #	73
65) Chlorobenzene	11.438	112	516	1.578	ug/l #	81
76) 1,2,3-Trichloropropane	12.408	75	2238	78.868	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	2238	162.515	ug/l #	16

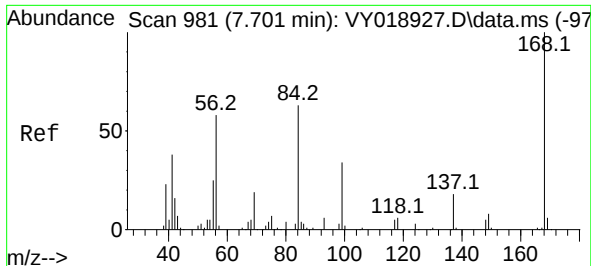
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY081424\
Data File : VY019063.D
Acq On : 14 Aug 2024 17:05
Operator : SY/MD
Sample : P3580-03
Misc : 5.06g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

Quant Time: Aug 14 21:48:33 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y080824S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 09 04:24:33 2024
Response via : Initial Calibration

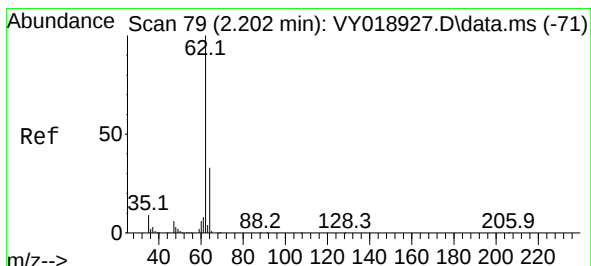
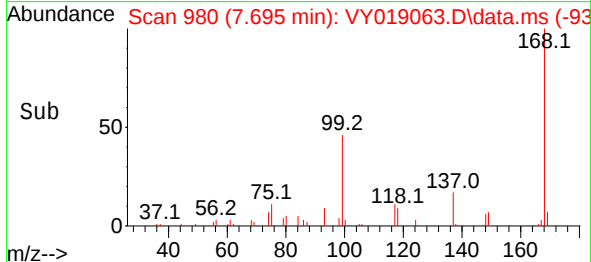
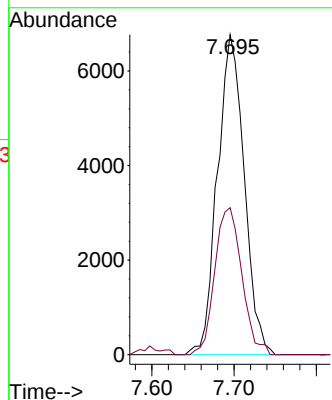
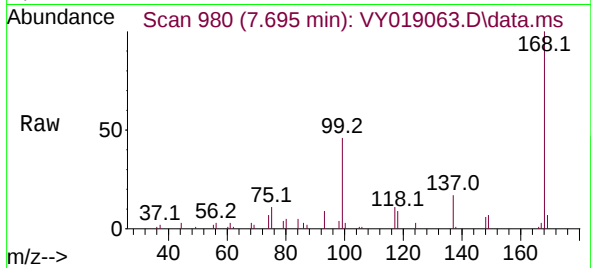




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

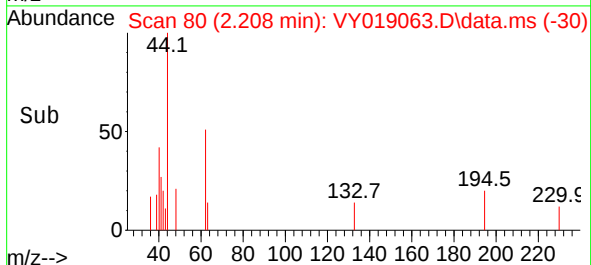
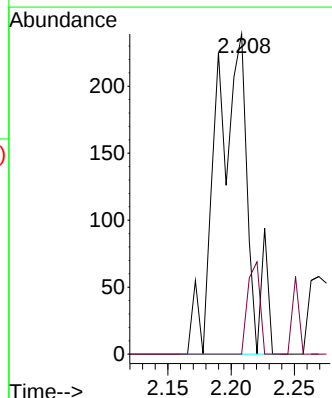
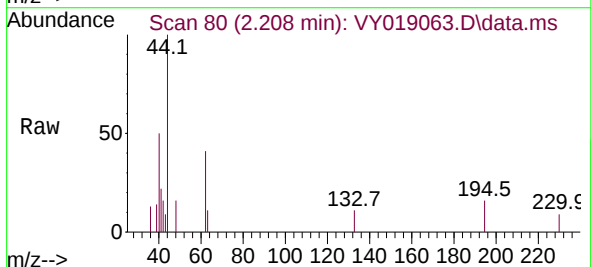
Instrument :
MSVOA_Y
ClientSampleId :

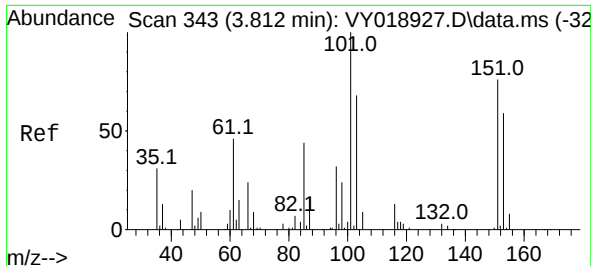
Tgt Ion:168 Resp: 15293
Ion Ratio Lower Upper
168 100
99 46.0 39.1 58.7



#4
Vinyl Chloride
Concen: 1.192 ug/l
RT: 2.208 min Scan# 80
Delta R.T. 0.006 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

Tgt Ion: 62 Resp: 420
Ion Ratio Lower Upper
62 100
64 0.0 26.1 39.1#

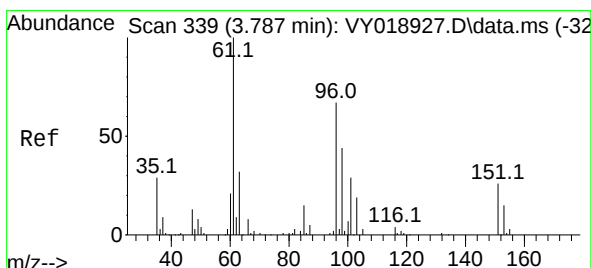
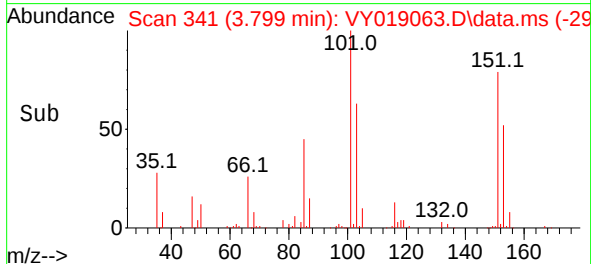
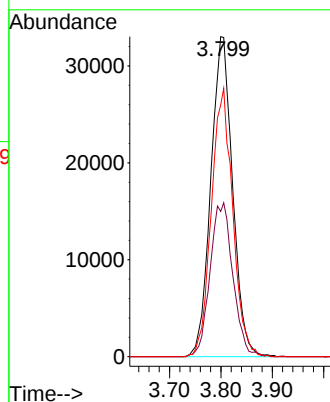
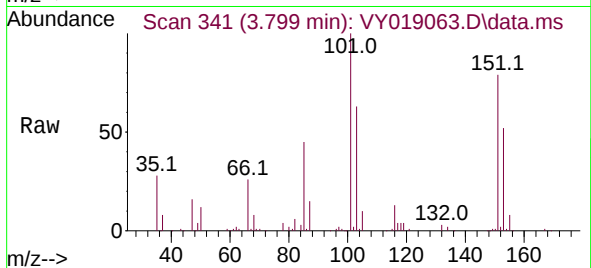




#9
1,1,2-Trichlorotrifluoroethane
Concen: 662.430 ug/l
RT: 3.799 min Scan# 341
Delta R.T. -0.012 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

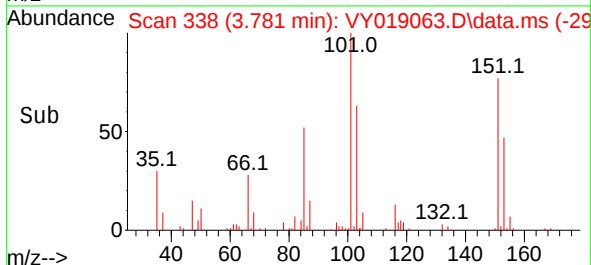
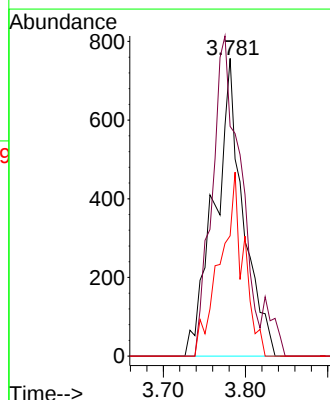
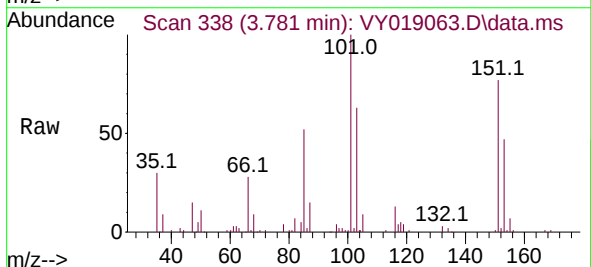
Instrument :
MSVOA_Y
ClientSampleId :

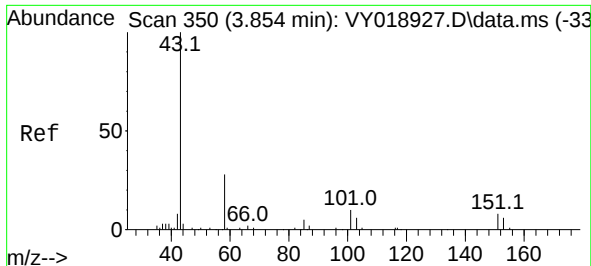
Tgt Ion:101 Resp: 97163
Ion Ratio Lower Upper
101 100
85 50.3 34.5 51.7
151 82.3 61.7 92.5



#12
1,1-Dichloroethene
Concen: 13.170 ug/l
RT: 3.781 min Scan# 338
Delta R.T. -0.006 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

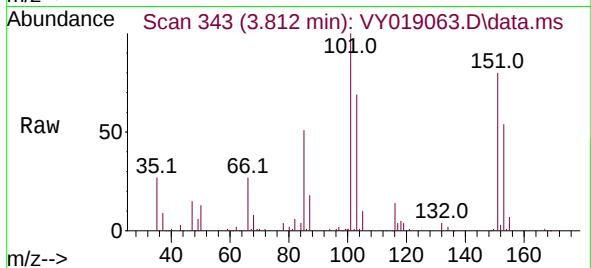
Tgt Ion: 96 Resp: 1825
Ion Ratio Lower Upper
96 100
61 77.1 114.6 171.8#
98 40.4 50.8 76.2#



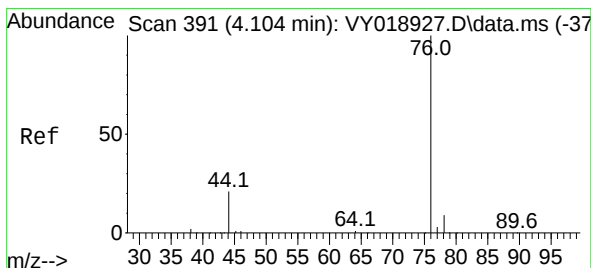
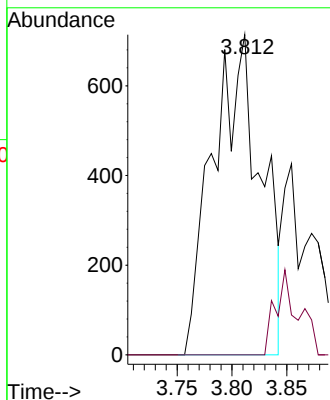
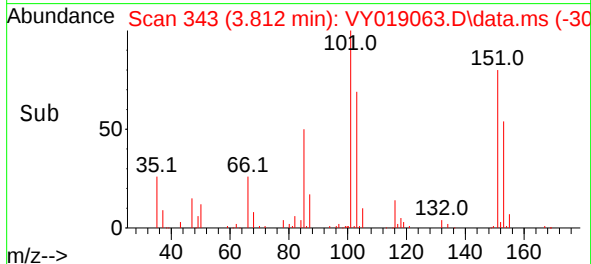


#16
Acetone
Concen: 72.924 ug/l
RT: 3.812 min Scan# 343
Delta R.T. -0.043 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

Instrument :
MSVOA_Y
ClientSampleId :

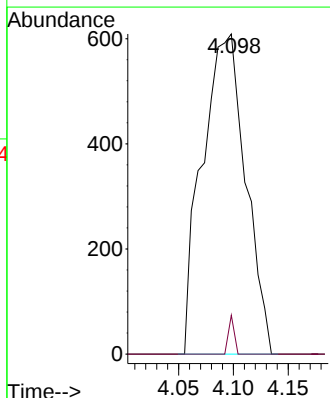
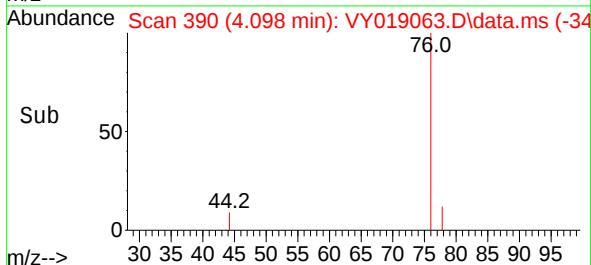
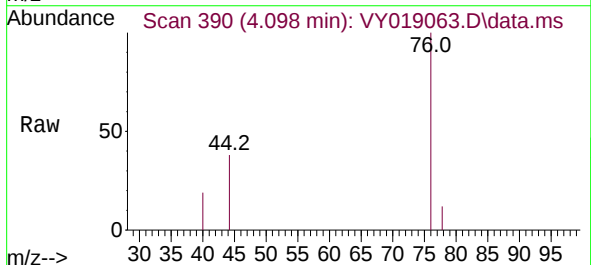


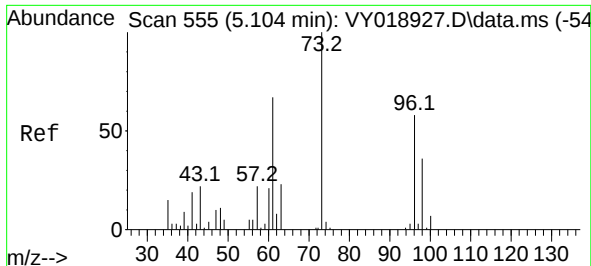
Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#17
Carbon Disulfide
Concen: 4.066 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

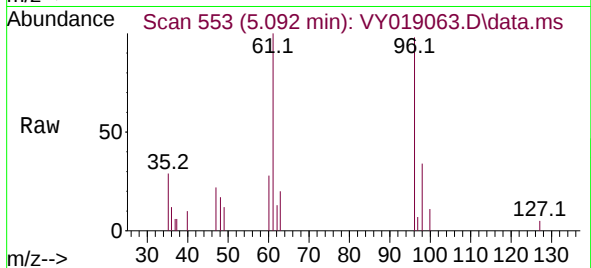
Tgt Ion: 76 Resp: 1675
Ion Ratio Lower Upper
76 100
78 12.2 6.8 10.2#



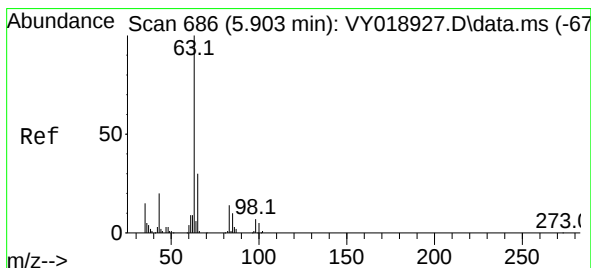
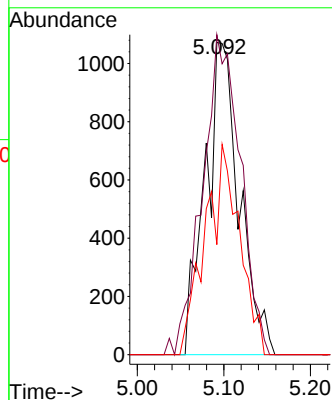
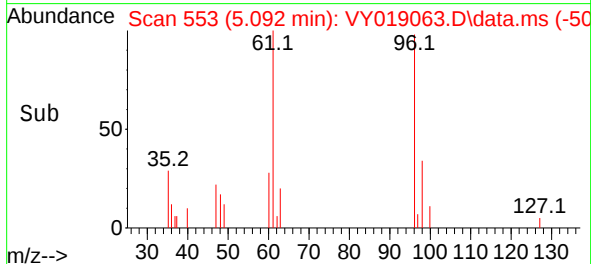


#21
trans-1,2-Dichloroethene
Concen: 19.202 ug/l
RT: 5.092 min Scan# 51
Delta R.T. -0.012 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

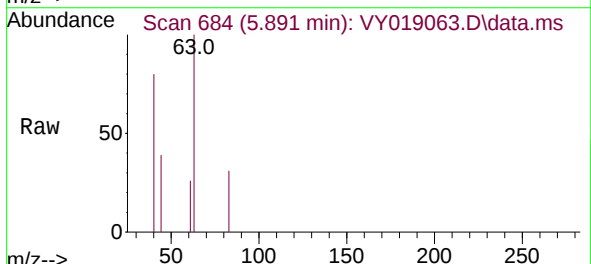
Instrument :
MSVOA_Y
ClientSampleId :



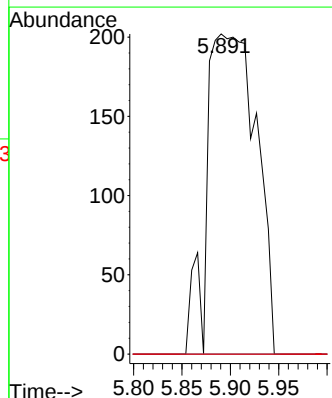
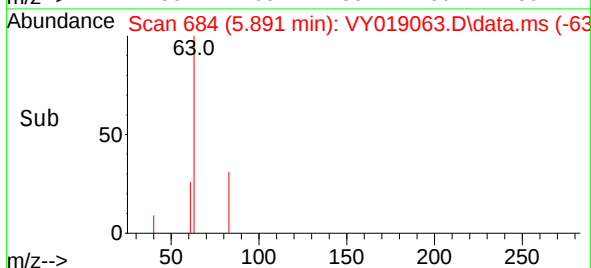
Tgt Ion	Ratio	Lower	Upper
96	100		
61	102.5	97.5	146.3
98	35.3	50.5	75.7#

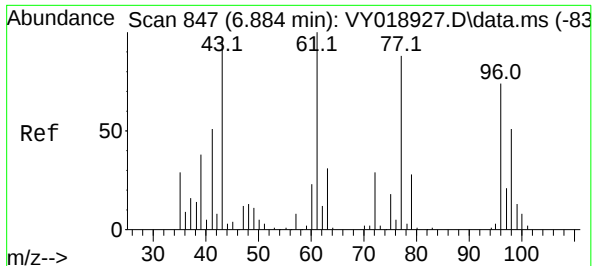


#24
1,1-Dichloroethane
Concen: 2.917 ug/l
RT: 5.891 min Scan# 684
Delta R.T. -0.012 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05



Tgt Ion	Ratio	Lower	Upper
63	100		
98	0.0	4.0	12.2#
100	0.0	2.6	8.0#





#25

2-Butanone

Concen: 12.352 ug/l

RT: 6.890 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

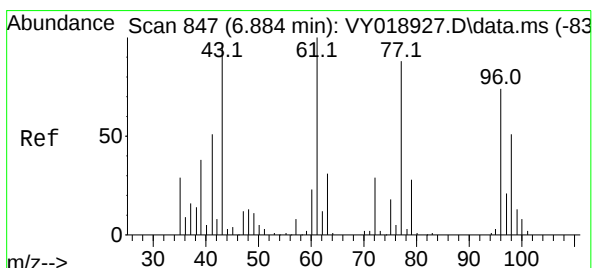
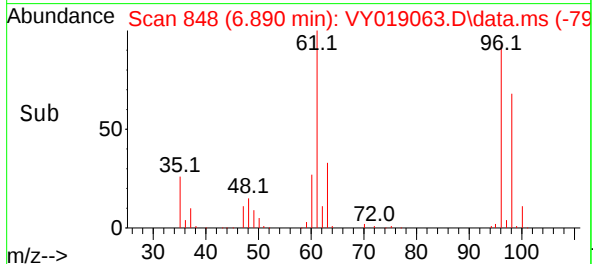
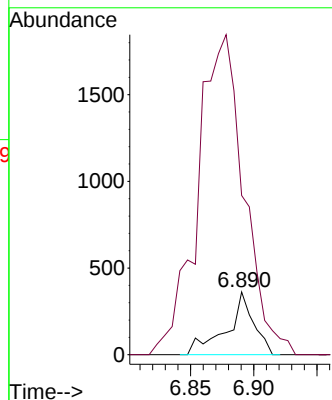
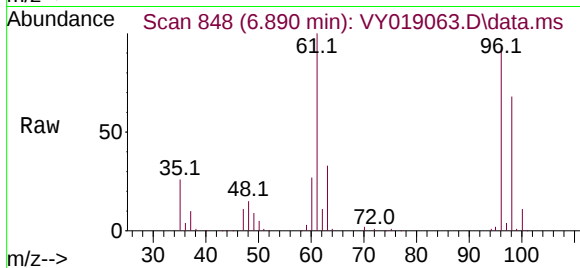
ClientSampleId :

Tgt Ion: 43 Resp: 537

Ion Ratio Lower Upper

43 100

72 228.2 27.3 40.9#



#27

cis-1,2-Dichloroethene

Concen: 1712.706 ug/l

RT: 6.878 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

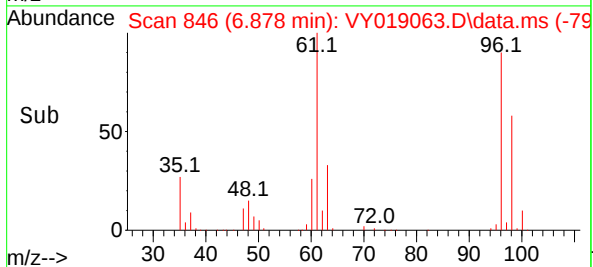
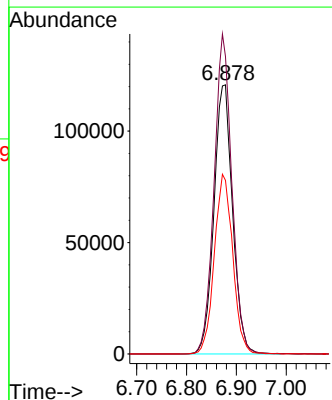
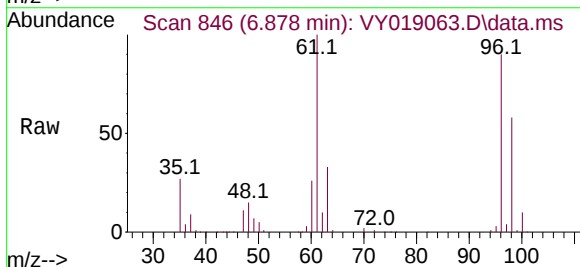
Tgt Ion: 96 Resp: 314186

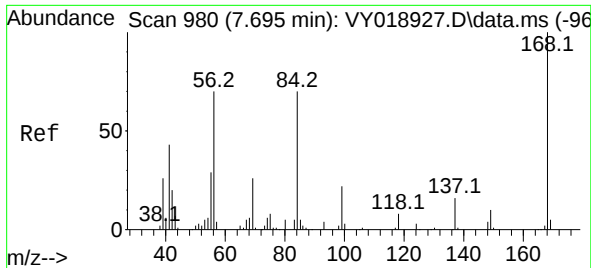
Ion Ratio Lower Upper

96 100

61 113.5 0.0 256.2

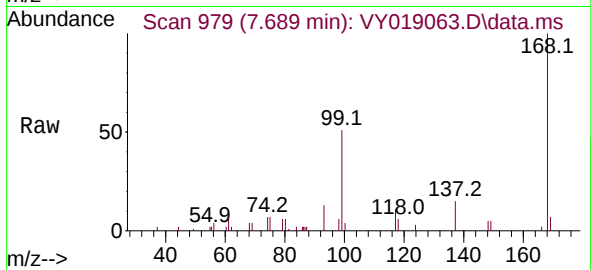
98 65.9 0.0 130.0



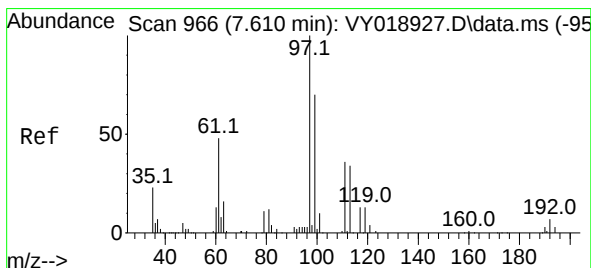
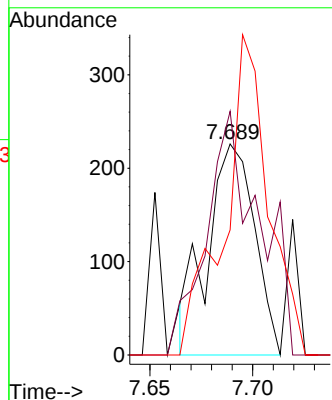
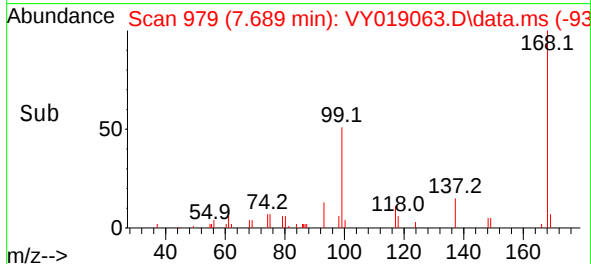


#31
Cyclohexane
Concen: Below Cal
RT: 7.689 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

Instrument :
MSVOA_Y
ClientSampleId :

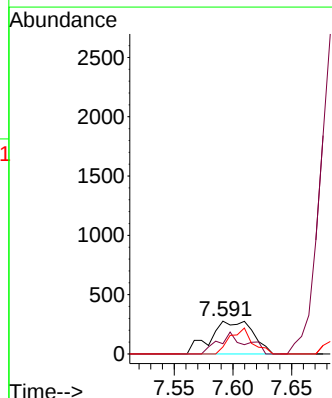
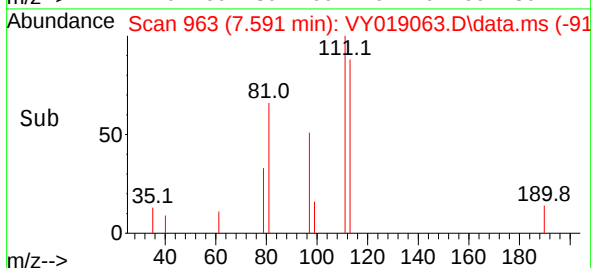
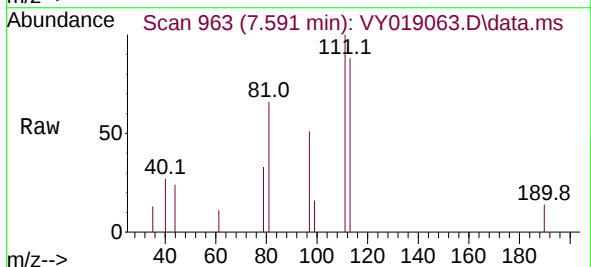


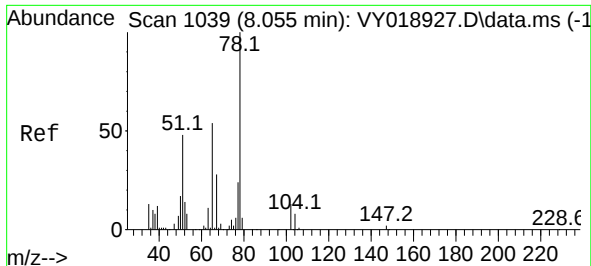
Tgt Ion: 56 Resp: 361
Ion Ratio Lower Upper
56 100
69 89.8 28.7 43.1#
84 59.3 77.7 116.5#



#32
1,1,1-Trichloroethane
Concen: 2.917 ug/l
RT: 7.591 min Scan# 963
Delta R.T. -0.018 min
Lab File: VY019063.D
Acq: 14 Aug 2024 17:05

Tgt Ion: 97 Resp: 699
Ion Ratio Lower Upper
97 100
99 42.5 50.3 75.5#
61 41.3 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 34.706 ug/l

RT: 8.049 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

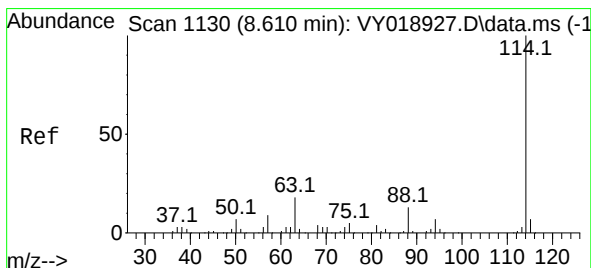
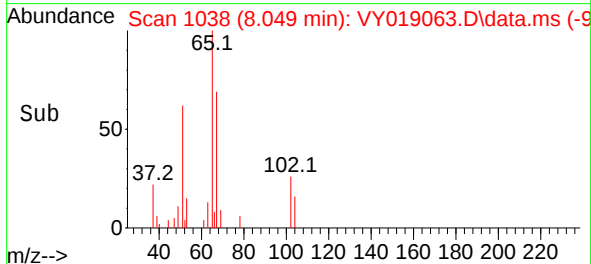
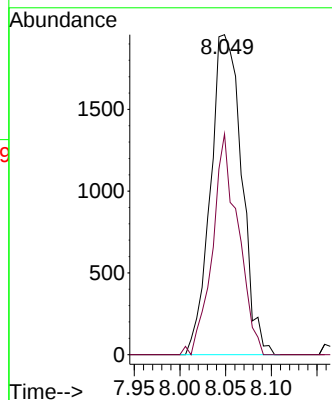
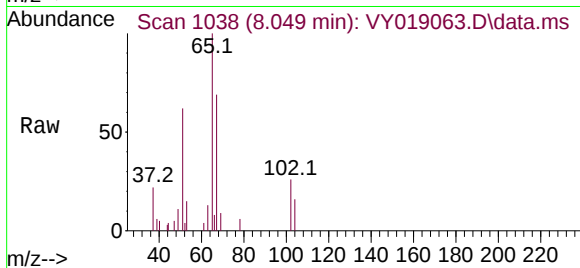
ClientSampleId :

Tgt Ion: 65 Resp: 4660

Ion Ratio Lower Upper

65 100

67 56.6 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: VY019063.D

Acq: 14 Aug 2024 17:05

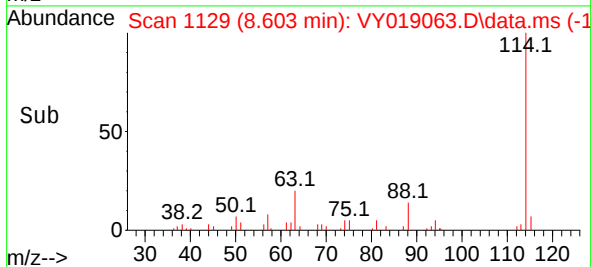
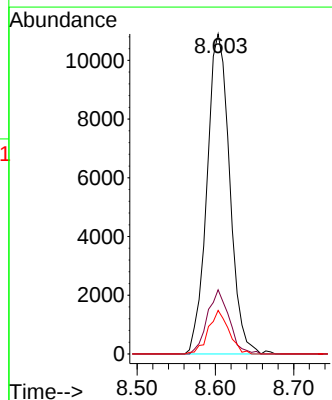
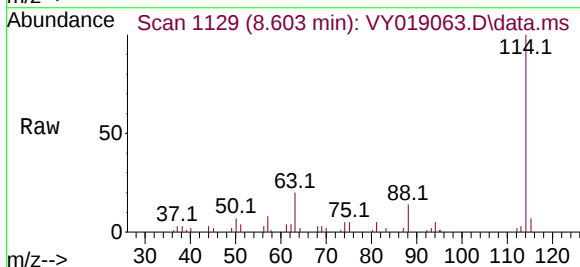
Tgt Ion: 114 Resp: 21981

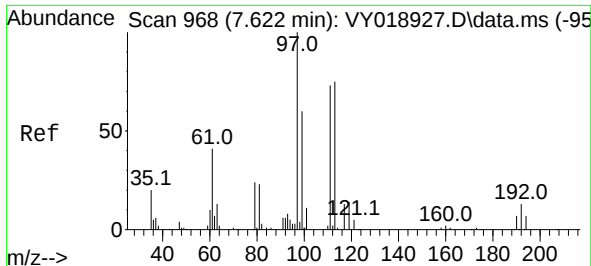
Ion Ratio Lower Upper

114 100

63 20.0 0.0 35.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 47.304 ug/l

RT: 7.616 min Scan# 90

Delta R.T. -0.006 min

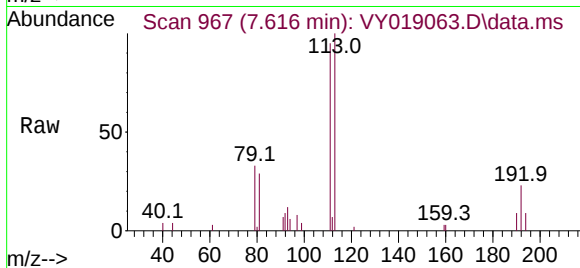
Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

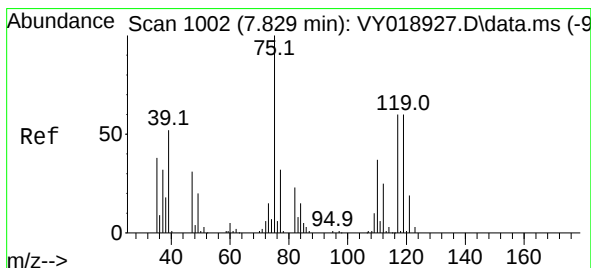
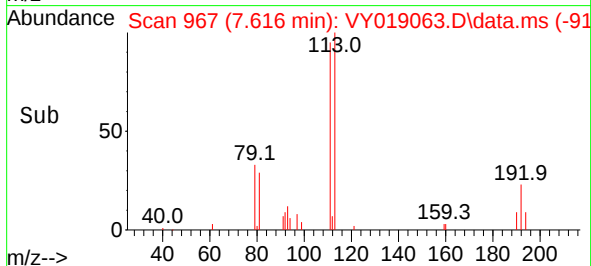
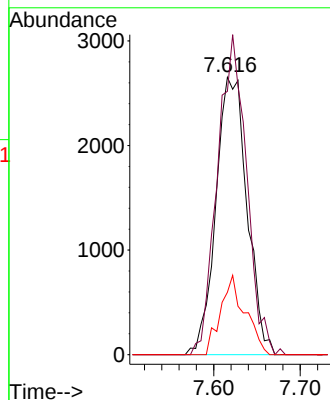
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	6641
Ion	Ratio	Lower	Upper
113	100		
111	107.9	82.2	123.4
192	22.5	15.9	23.9



#36

1,1-Dichloropropene

Concen: 7.179 ug/l

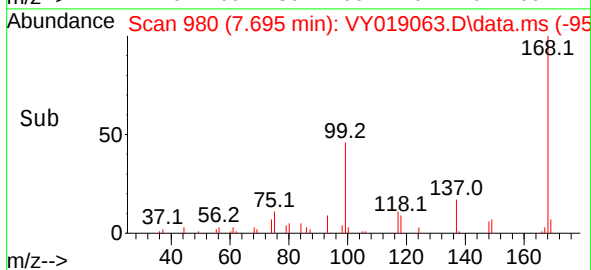
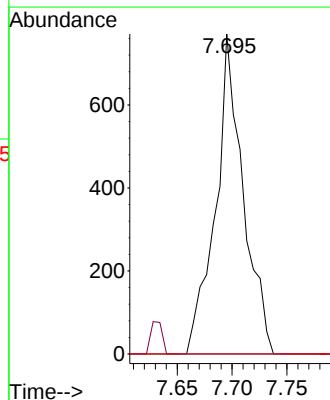
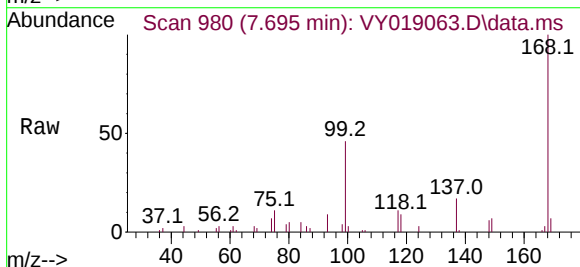
RT: 7.695 min Scan# 980

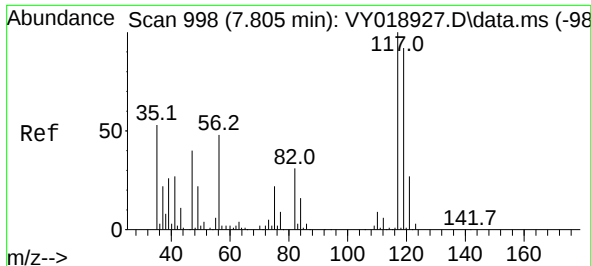
Delta R.T. -0.134 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Tgt Ion:	75	Resp:	1353
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.0	57.0#
77	0.0	25.3	37.9#





#38

Carbon Tetrachloride

Concen: 7.095 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.110 min

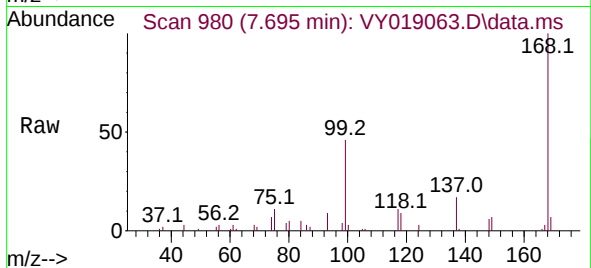
Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

ClientSampleId :



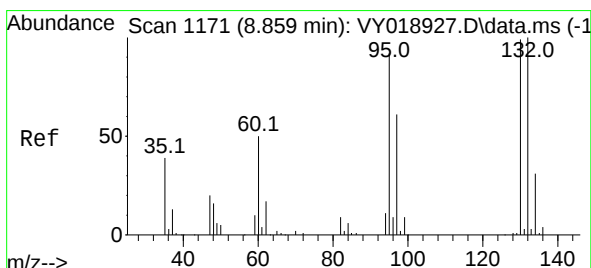
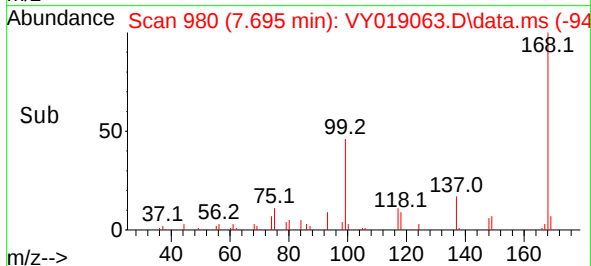
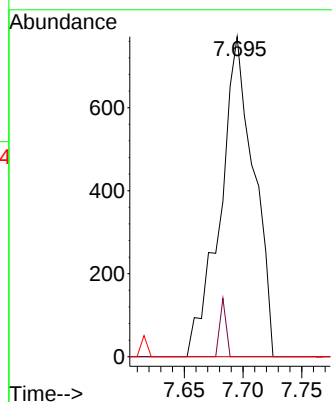
Tgt Ion:117 Resp: 1533

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#



#44

Trichloroethene

Concen: 281.926 ug/l

RT: 8.853 min Scan# 1170

Delta R.T. -0.006 min

Lab File: VY019063.D

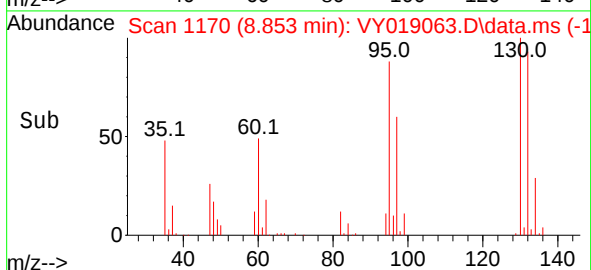
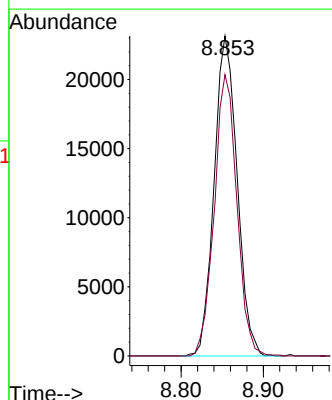
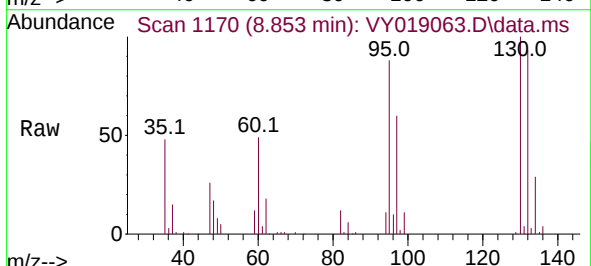
Acq: 14 Aug 2024 17:05

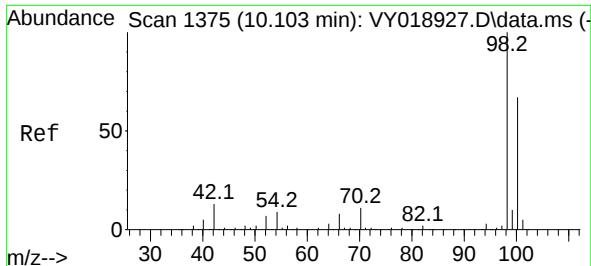
Tgt Ion:130 Resp: 45028

Ion Ratio Lower Upper

130 100

95 87.9 0.0 188.0





#50

Toluene-d8

Concen: 43.351 ug/l

RT: 10.103 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

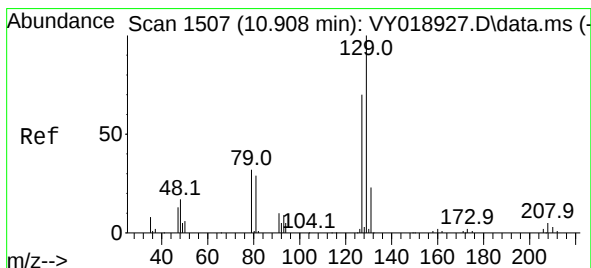
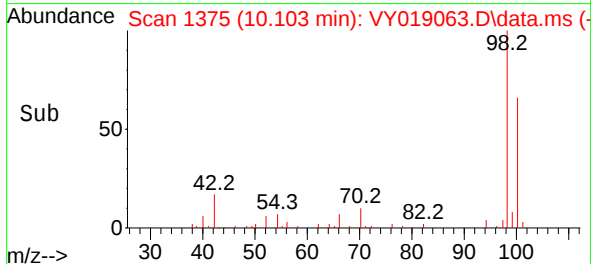
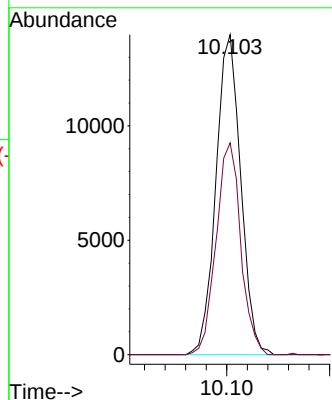
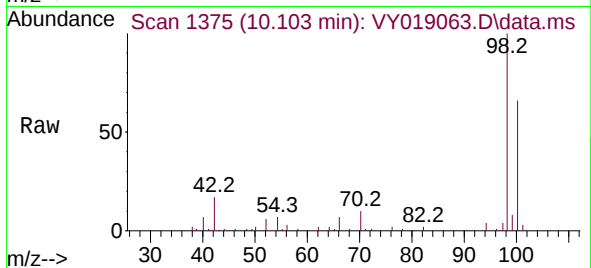
ClientSampleId :

Tgt Ion: 98 Resp: 23377

Ion Ratio Lower Upper

98 100

100 65.8 52.0 78.0



#60

Dibromochloromethane

Concen: 18.294 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.262 min

Lab File: VY019063.D

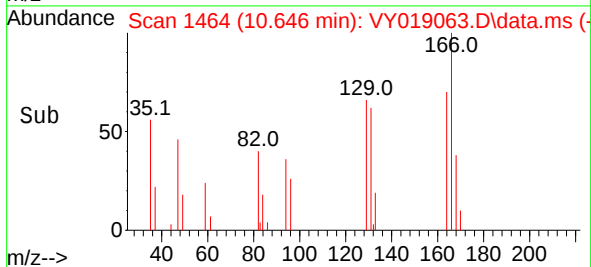
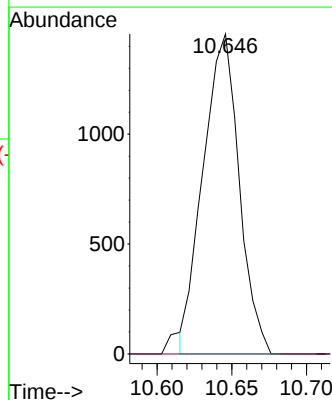
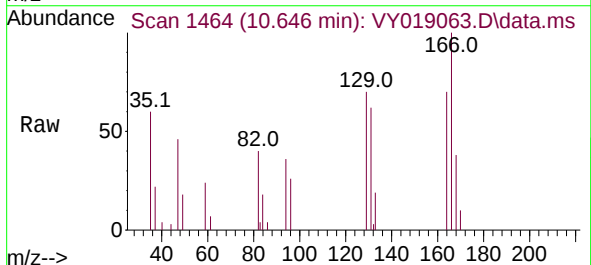
Acq: 14 Aug 2024 17:05

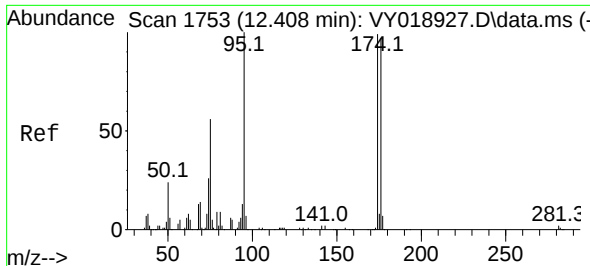
Tgt Ion:129 Resp: 2440

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#





#62

4-Bromofluorobenzene

Concen: 23.009 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.000 min

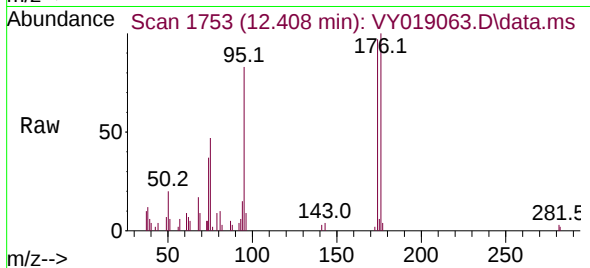
Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

ClientSampleId :



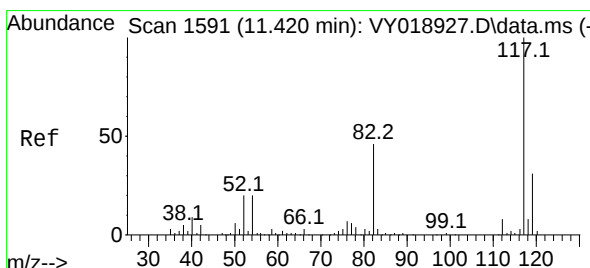
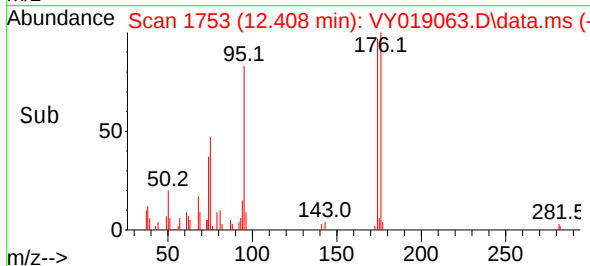
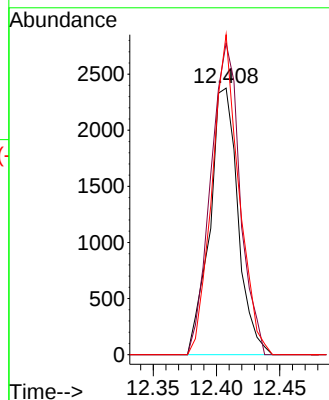
Tgt Ion: 95 Resp: 3681

Ion Ratio Lower Upper

95 100

174 122.0 0.0 175.6

176 113.8 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.006 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

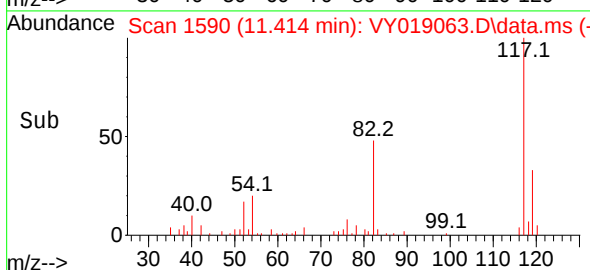
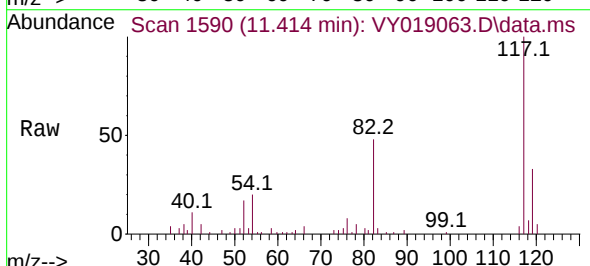
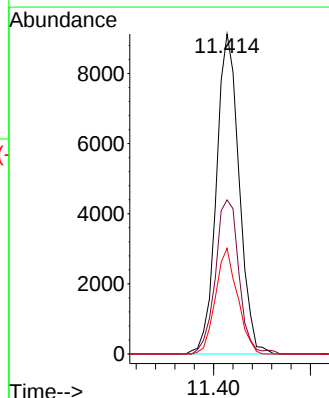
Tgt Ion: 117 Resp: 14893

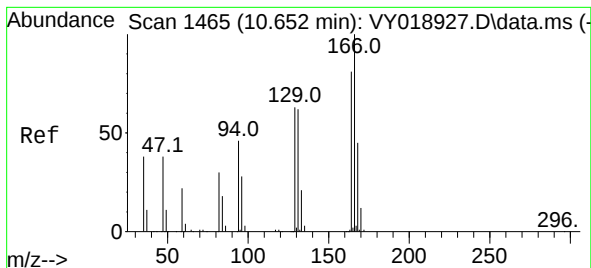
Ion Ratio Lower Upper

117 100

82 48.1 42.4 63.6

119 33.0 25.9 38.9





#64

Tetrachloroethene

Concen: 22.572 ug/l

RT: 10.634 min Scan# 1462

Delta R.T. -0.018 min

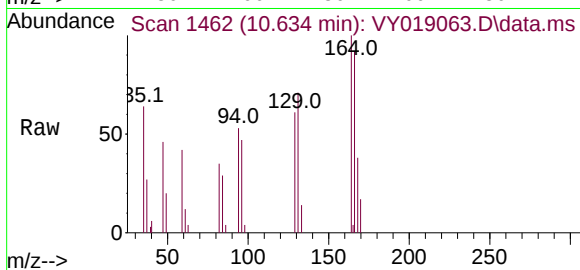
Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:164 Resp: 2818

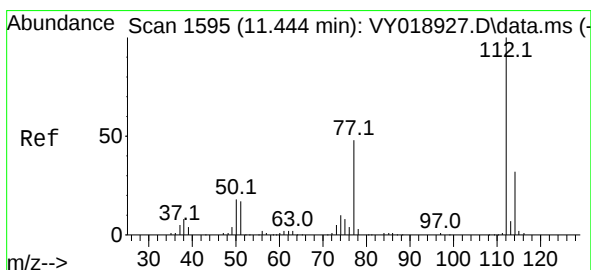
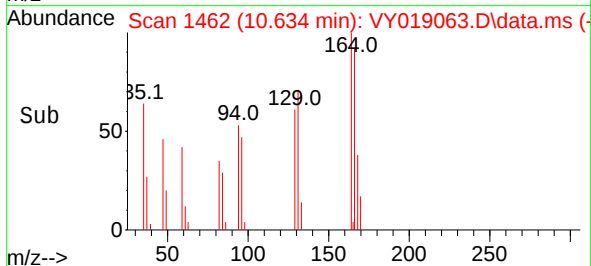
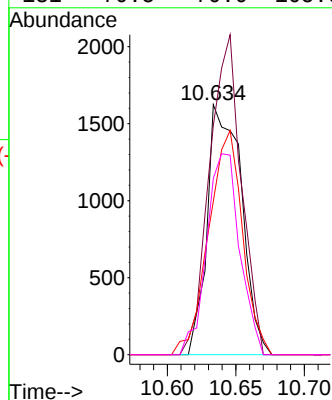
Ion Ratio Lower Upper

164 100

166 91.7 102.6 154.0#

129 61.4 72.0 108.0#

131 70.5 70.0 105.0



#65

Chlorobenzene

Concen: 1.578 ug/l

RT: 11.438 min Scan# 1594

Delta R.T. -0.006 min

Lab File: VY019063.D

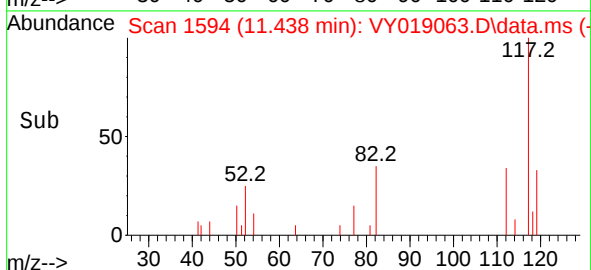
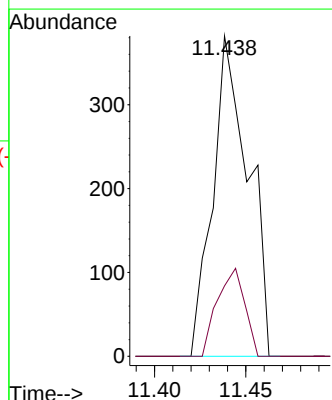
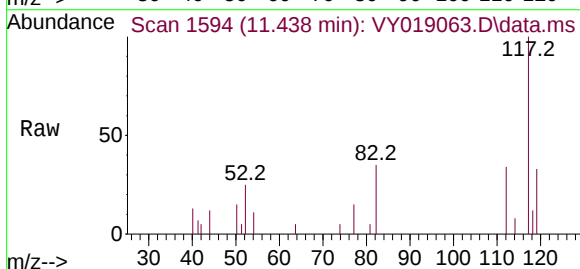
Acq: 14 Aug 2024 17:05

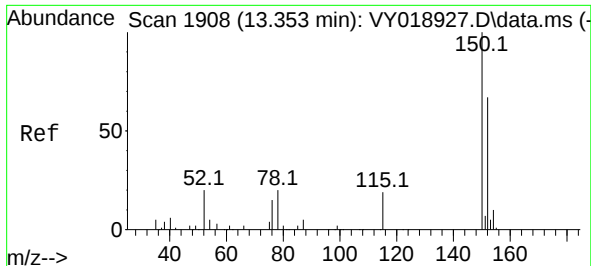
Tgt Ion:112 Resp: 516

Ion Ratio Lower Upper

112 100

114 22.0 26.4 39.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019063.D

Acq: 14 Aug 2024 17:05

Instrument :

MSVOA_Y

ClientSampleId :

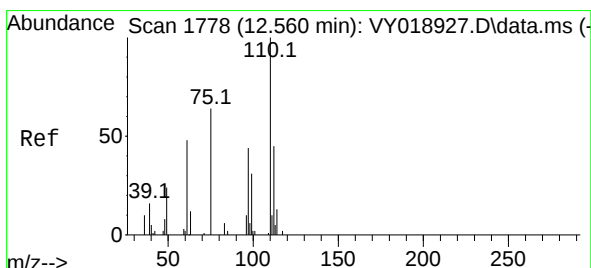
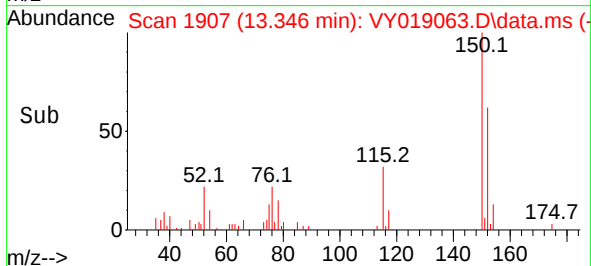
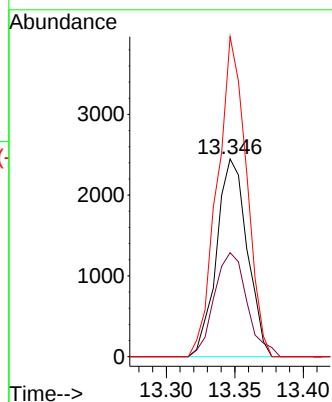
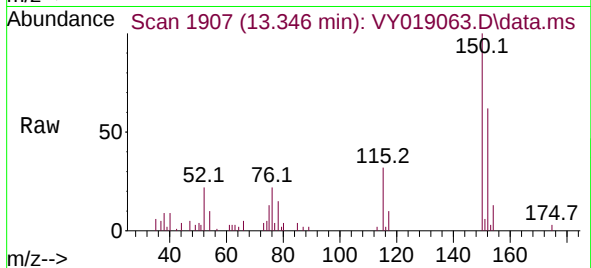
Tgt Ion:152 Resp: 3809

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.7

150 154.0 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 78.868 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019063.D

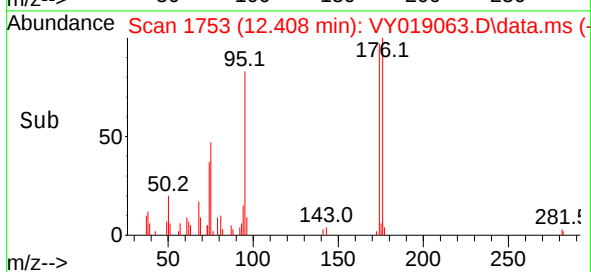
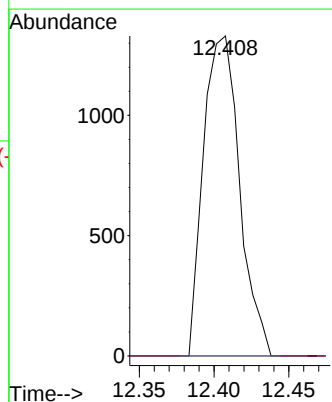
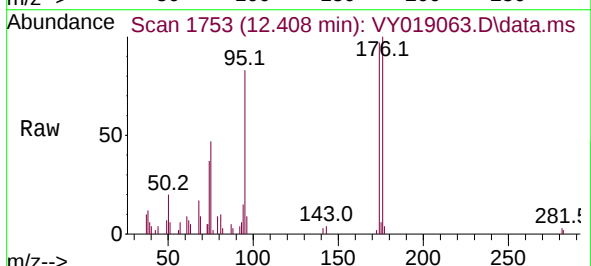
Acq: 14 Aug 2024 17:05

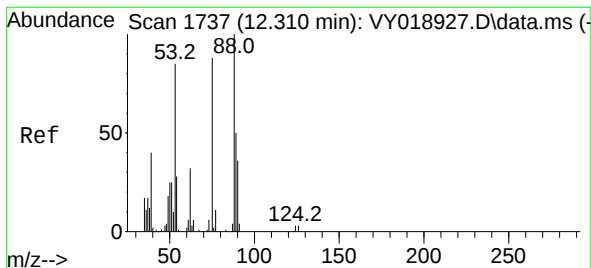
Tgt Ion: 75 Resp: 2238

Ion Ratio Lower Upper

75 100

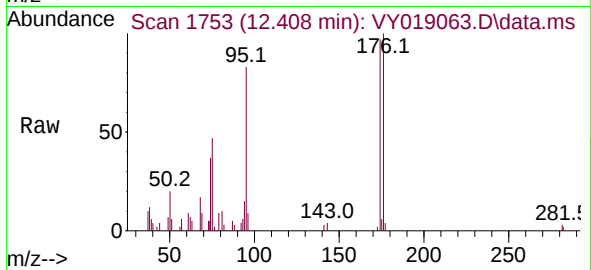
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 162.515 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019063.D
 Acq: 14 Aug 2024 17:05

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 2238
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

