

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081324\
 Data File : VY019019.D
 Acq On : 13 Aug 2024 10:55
 Operator : SY/MD
 Sample : VY0813SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBL01

Quant Time: Aug 14 01:32:45 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	50057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	75765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	63595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	30073	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	22473	51.134	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.260%	
35) Dibromofluoromethane	7.628	113	25790	53.296	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.600%	
50) Toluene-d8	10.103	98	95876	51.583	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.160%	
62) 4-Bromofluorobenzene	12.408	95	25406	46.073	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.140%	
Target Compounds						
3) Chloromethane	2.074	50	20	Below Cal	#	1
11) Tert butyl alcohol	4.799	59	18	Below Cal	#	88
20) Methylene Chloride	4.610	84	913	Below Cal	#	64
31) Cyclohexane	7.695	56	1232	Below Cal	#	79
36) 1,1-Dichloropropene	7.695	75	3501	5.390	ug/l #	49
38) Carbon Tetrachloride	7.701	117	4911	6.594	ug/l #	17
41) Methacrylonitrile	7.049	41	21	Below Cal	#	15
49) 1,4-Dioxane	9.195	88	47	14.247	ug/l #	75
51) 4-Methyl-2-Pentanone	10.103	43	455	1.461	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	15063	67.234	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	15063	138.541	ug/l #	16

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

Quant Time: Aug 14 01:32:45 2024
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Response via : Initial Calibration

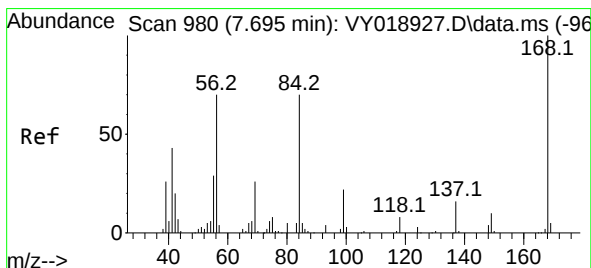
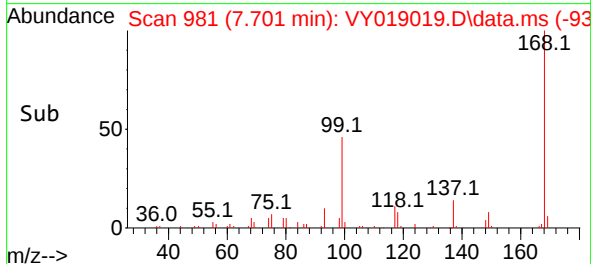
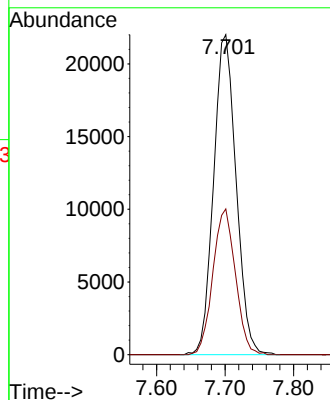
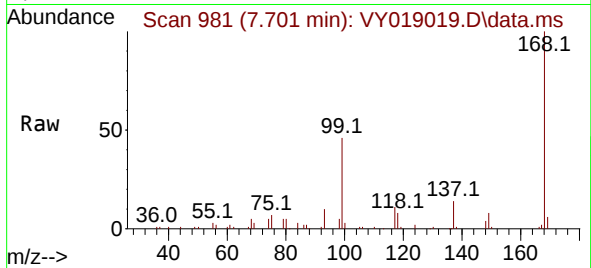




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

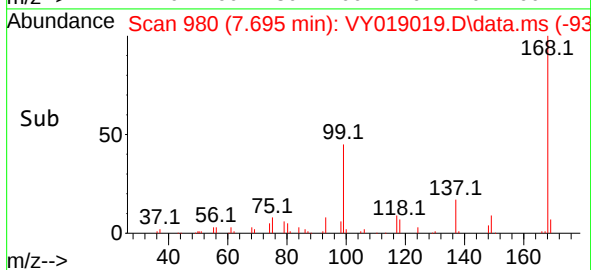
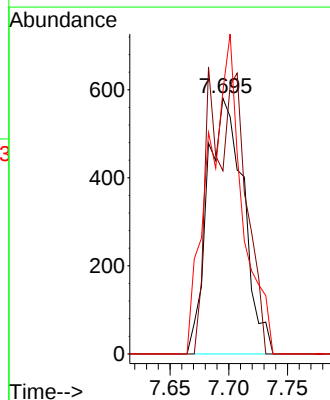
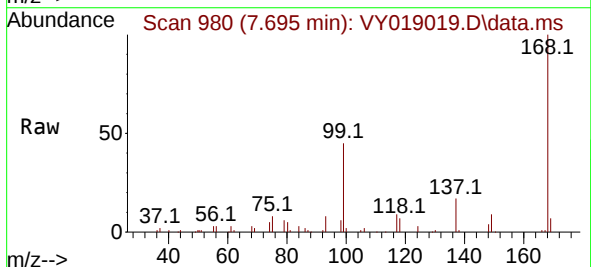
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

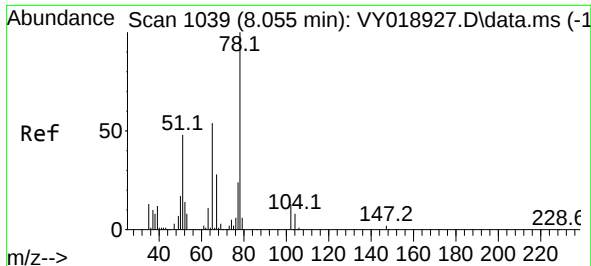
Tgt Ion:168 Resp: 50057
Ion Ratio Lower Upper
168 100
99 45.5 39.1 58.7



#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

Tgt Ion: 56 Resp: 1232
Ion Ratio Lower Upper
56 100
69 71.6 28.7 43.1#
84 102.9 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 51.134 ug/l

RT: 8.049 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

Instrument :

MSVOA_Y

ClientSampleId :

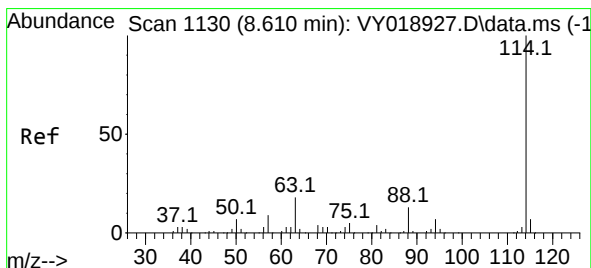
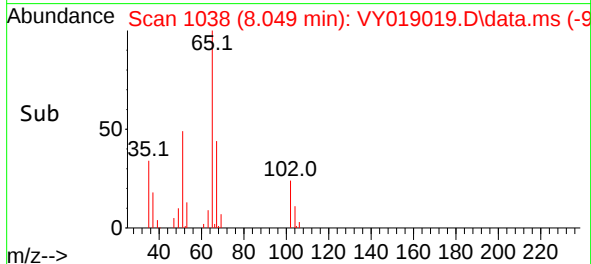
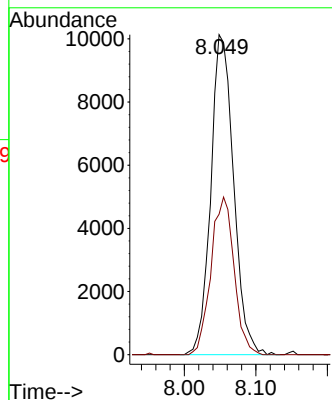
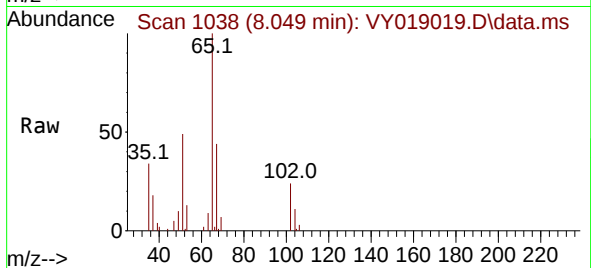
VY0813SBL01

Tgt Ion: 65 Resp: 22473

Ion Ratio Lower Upper

65 100

67 49.8 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

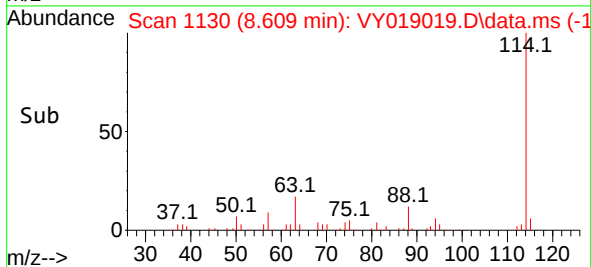
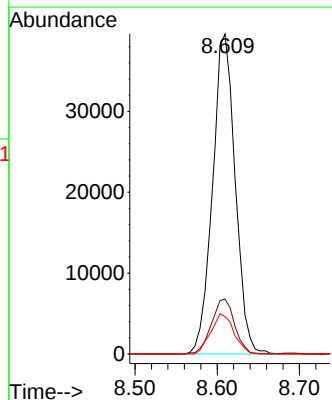
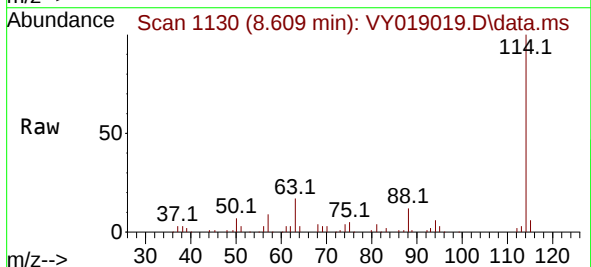
Tgt Ion: 114 Resp: 75765

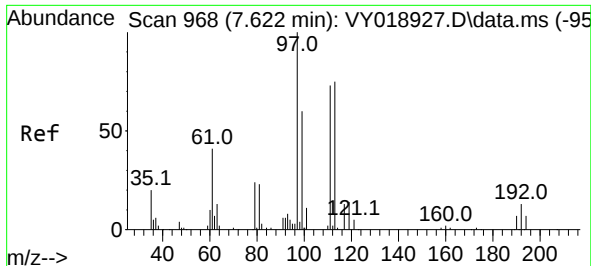
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 11.7 0.0 27.2





#35

Dibromofluoromethane

Concen: 53.296 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBL01

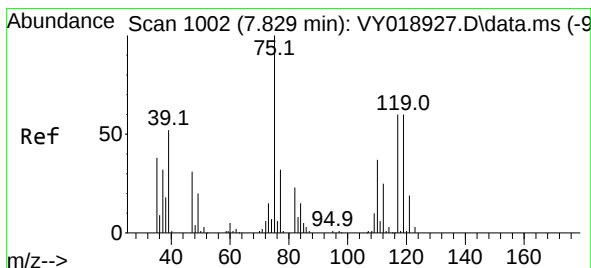
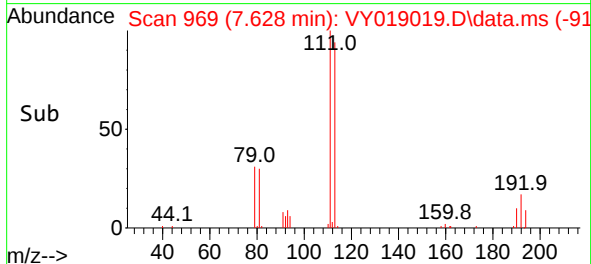
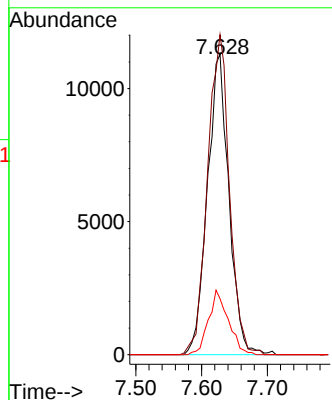
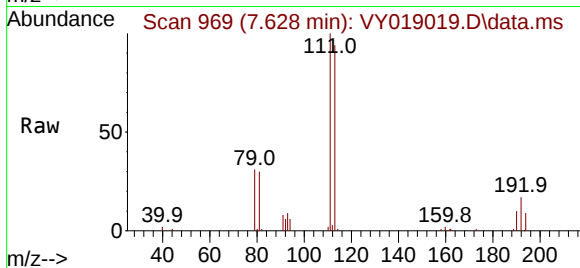
Tgt Ion:113 Resp: 25790

Ion Ratio Lower Upper

113 100

111 108.0 82.2 123.4

192 19.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 5.390 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

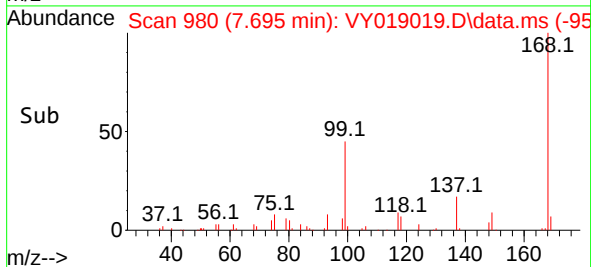
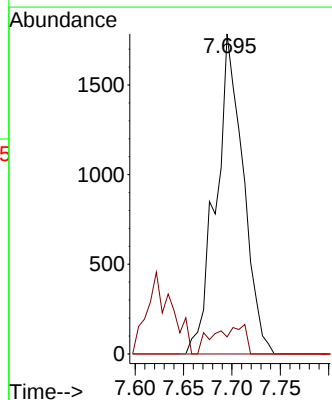
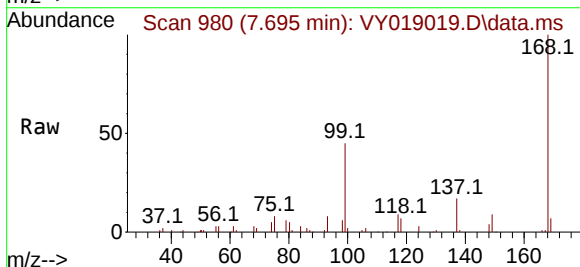
Tgt Ion: 75 Resp: 3501

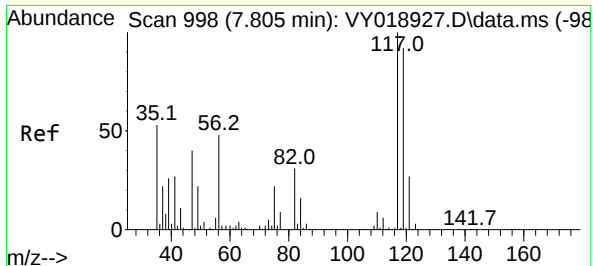
Ion Ratio Lower Upper

75 100

110 10.3 19.0 57.0#

77 0.0 25.3 37.9#

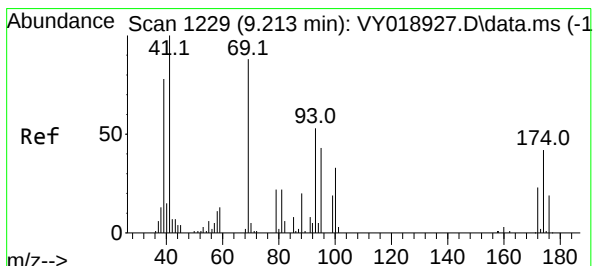
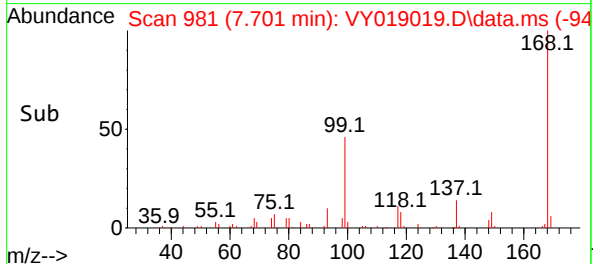
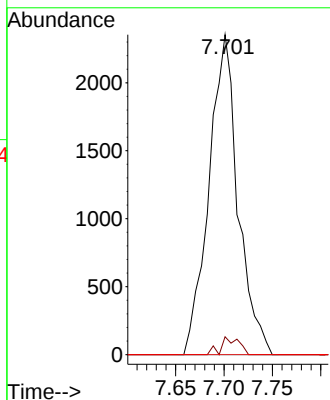
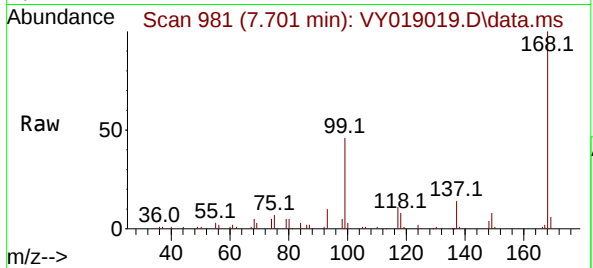




#38
Carbon Tetrachloride
Concen: 6.594 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

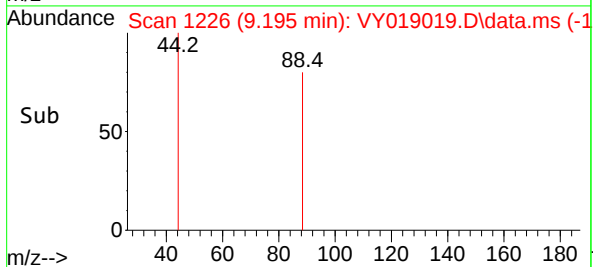
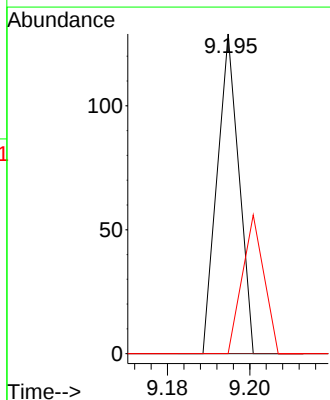
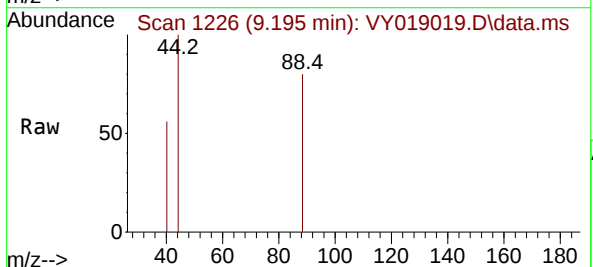
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

Tgt Ion:117 Resp: 4911
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 14.247 ug/l
RT: 9.195 min Scan# 1226
Delta R.T. -0.018 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

Tgt Ion: 88 Resp: 47
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 42.6 49.3 73.9#

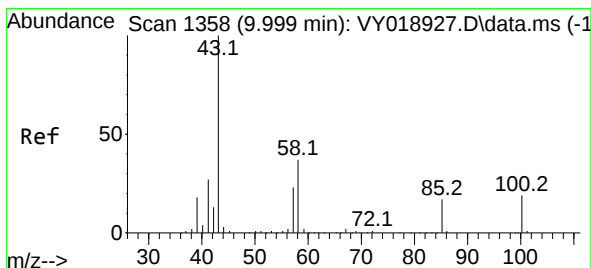
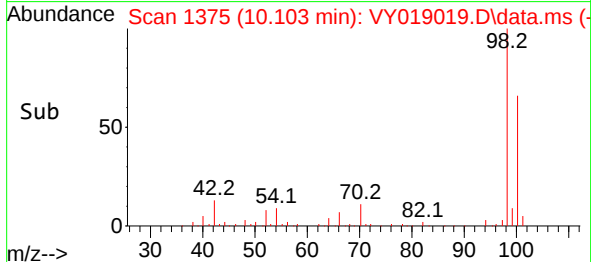
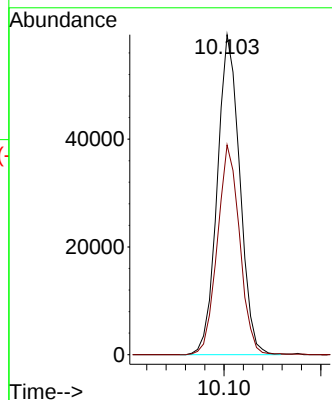
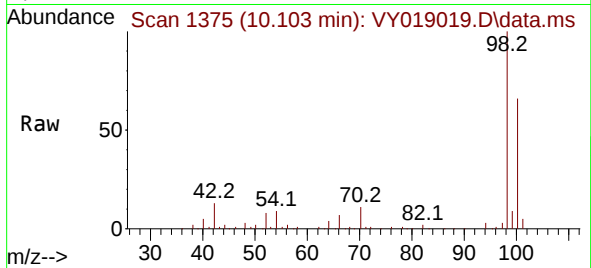




#50
Toluene-d8
Concen: 51.583 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

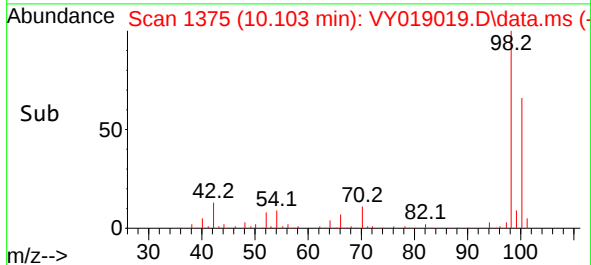
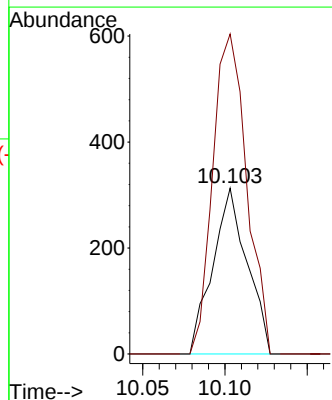
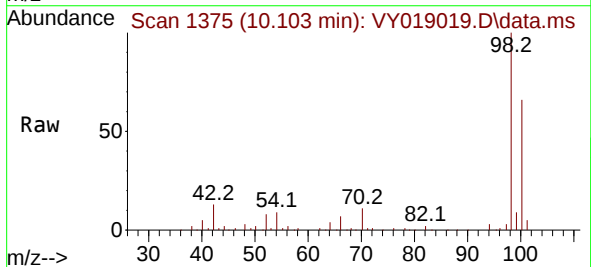
Instrument :
MSVOA_Y
ClientSampleId :
VY0813SBL01

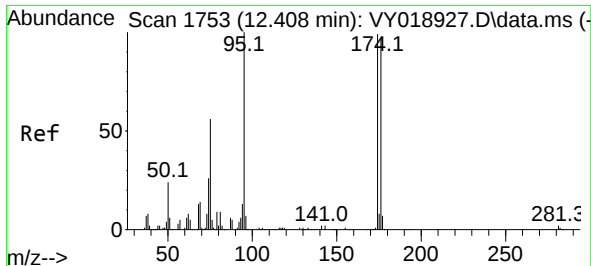
Tgt Ion: 98 Resp: 95876
Ion Ratio Lower Upper
98 100
100 65.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.461 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY019019.D
Acq: 13 Aug 2024 10:55

Tgt Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 190.8 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 46.073 ug/l

RT: 12.408 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBL01

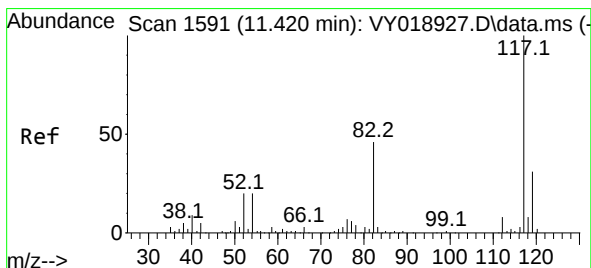
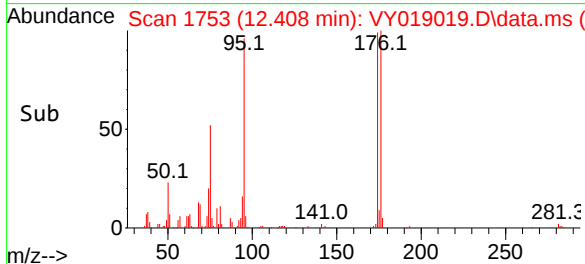
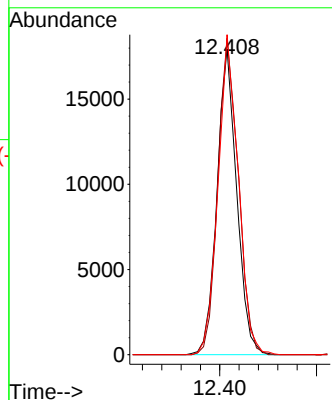
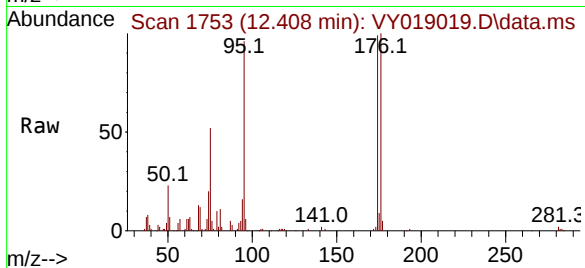
Tgt Ion: 95 Resp: 25406

Ion Ratio Lower Upper

95 100

174 107.2 0.0 175.6

176 107.3 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: VY019019.D

Acq: 13 Aug 2024 10:55

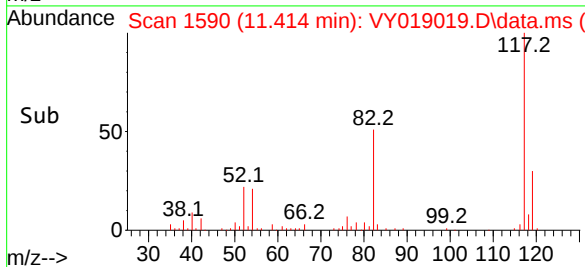
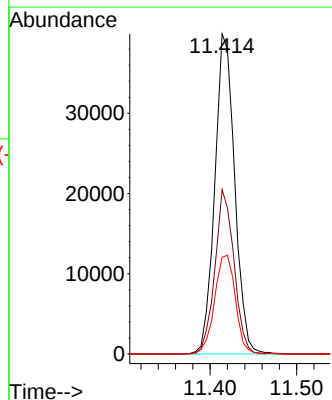
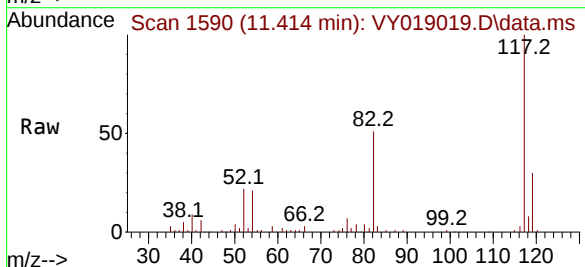
Tgt Ion: 117 Resp: 63595

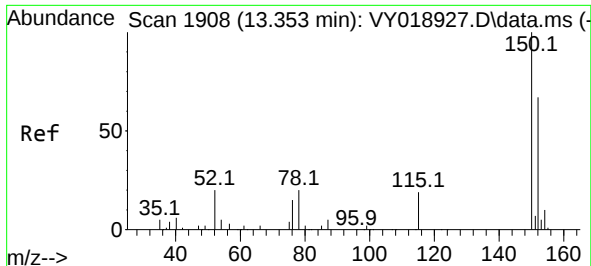
Ion Ratio Lower Upper

117 100

82 51.4 42.4 63.6

119 30.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1908

Delta R.T. -0.006 min

Lab File: VY019019.D

Acq: 13 Aug 2024 10:55

Instrument :

MSVOA_Y

ClientSampleId :

VY0813SBL01

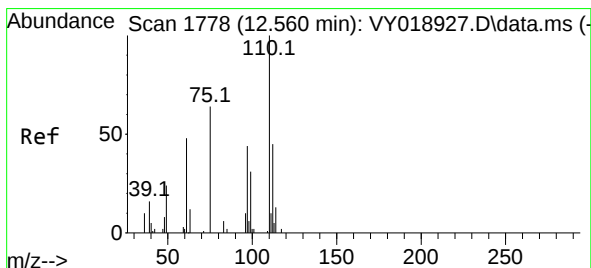
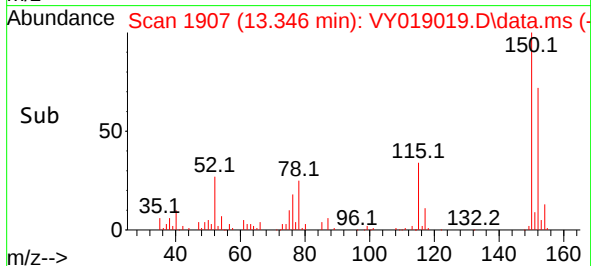
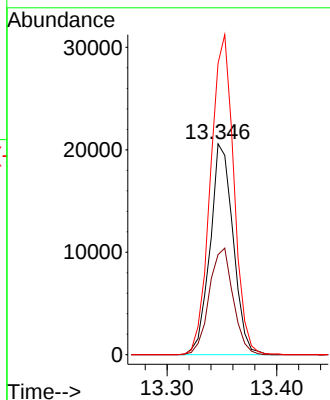
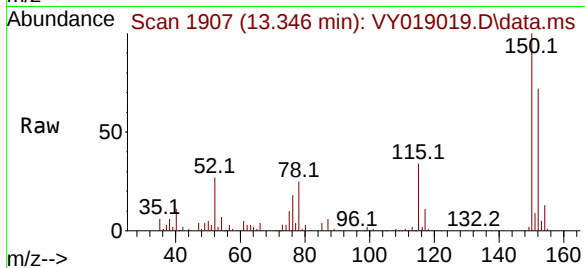
Tgt Ion:152 Resp: 30073

Ion Ratio Lower Upper

152 100

115 52.5 28.2 84.7

150 153.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 67.234 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY019019.D

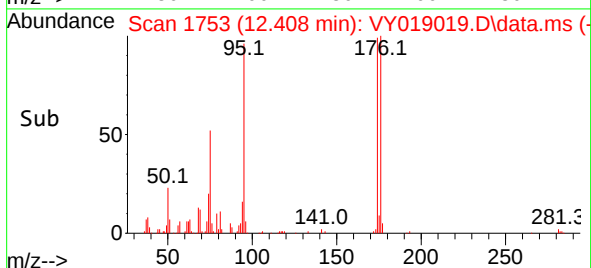
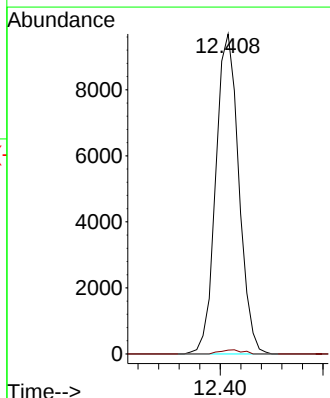
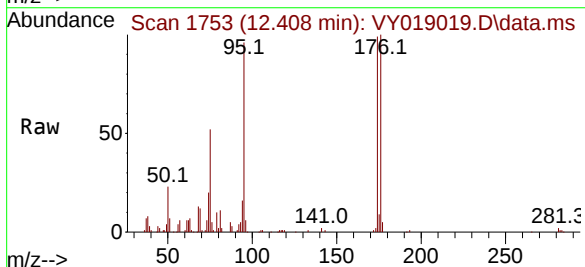
Acq: 13 Aug 2024 10:55

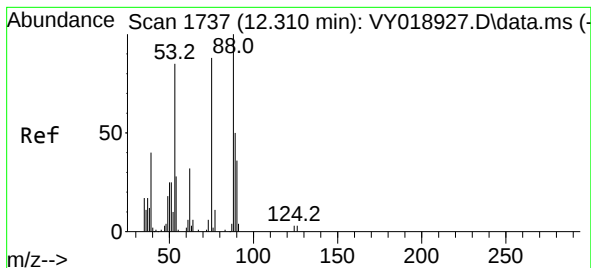
Tgt Ion: 75 Resp: 15063

Ion Ratio Lower Upper

75 100

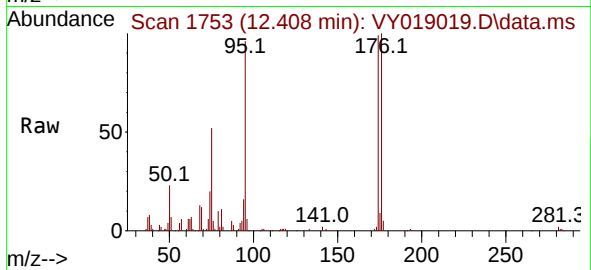
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.541 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY019019.D
 Acq: 13 Aug 2024 10:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0813SBL01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	66.8	100.2#
89	0.0	35.8	53.6#

