

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081424\
 Data File : VY019049.D
 Acq On : 14 Aug 2024 11:20
 Operator : SY/MD
 Sample : P3512-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 14 21:44:06 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	3485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	4827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	3266	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	789	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	1152	37.649	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	75.300%
35) Dibromofluoromethane	7.628	113	1544	50.082	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.160%
50) Toluene-d8	10.103	98	4718	39.842	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.680%
62) 4-Bromofluorobenzene	12.414	95	906	25.788	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	51.580%

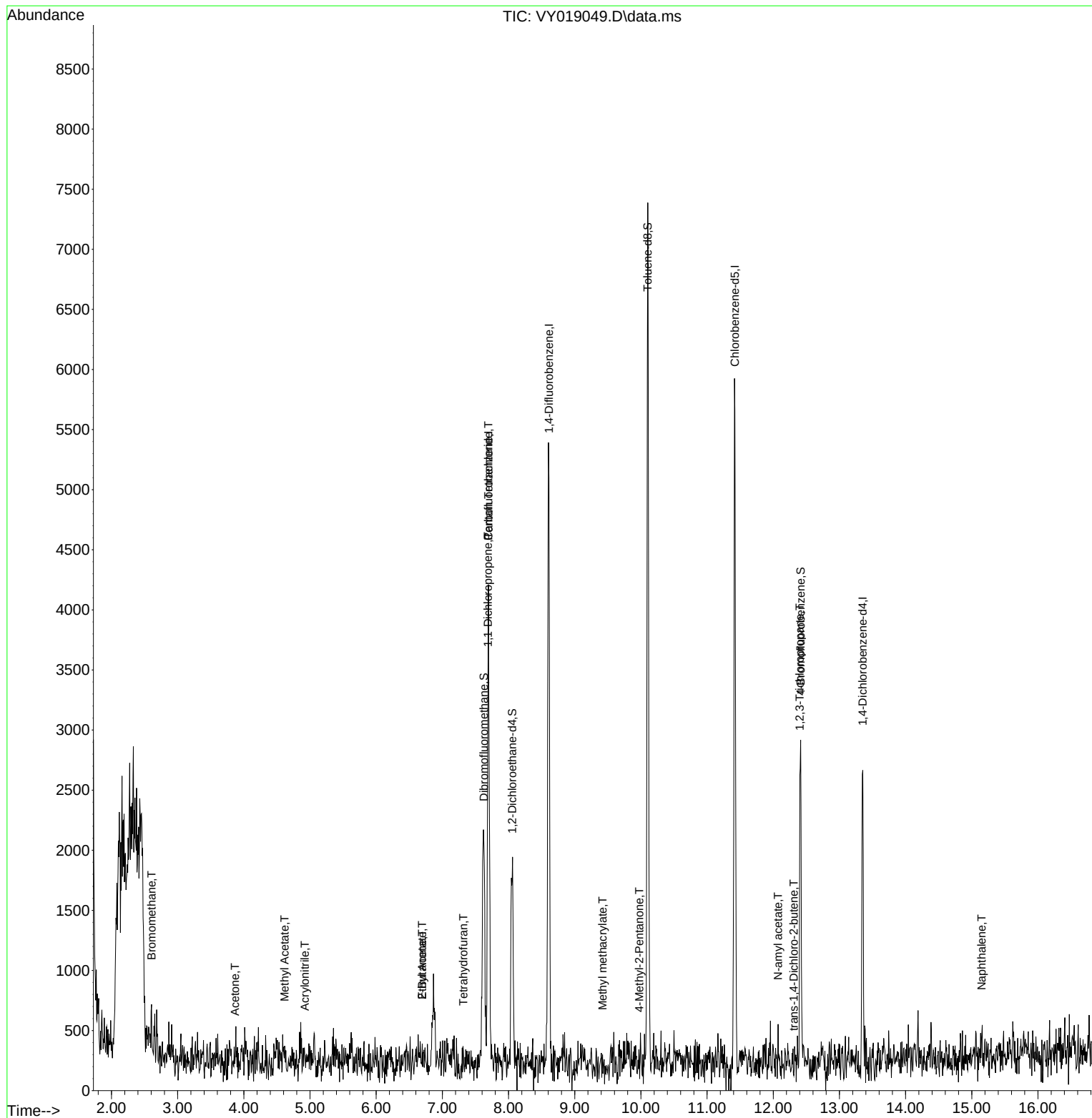
Target Compounds			Qvalue			
3) Chloromethane	2.330	50	46	Below Cal	#	43
5) Bromomethane	2.605	94	97	1.514	ug/l	89
15) Acrylonitrile	4.921	53	23	3.557	ug/l	# 18
16) Acetone	3.867	43	20	14.927	ug/l	# 36
18) Methyl Acetate	4.616	43	23	1.352	ug/l	# 46
25) 2-Butanone	6.695	43	56	5.653	ug/l	# 41
29) Tetrahydrofuran	7.317	42	19	3.252	ug/l	# 26
31) Cyclohexane	7.683	56	52	Below Cal	#	11
36) 1,1-Dichloropropene	7.689	75	241	5.823	ug/l	# 40
37) Ethyl Acetate	6.695	43	56	2.961	ug/l	# 67
38) Carbon Tetrachloride	7.695	117	306	6.449	ug/l	# 13
48) Methyl methacrylate	9.420	41	26	1.547	ug/l	# 20
51) 4-Methyl-2-Pentanone	9.975	43	22	1.109	ug/l	# 31
74) N-amyl acetate	12.072	43	19	1.438	ug/l	# 37
76) 1,2,3-Trichloropropane	12.402	75	487	82.852	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.310	75	19	6.661	ug/l	# 16
95) Naphthalene	15.151	128	115	5.236	ug/l	# 69

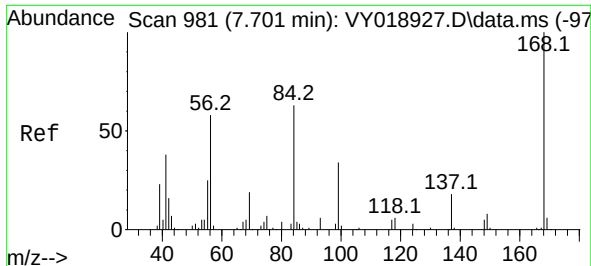
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSV0A_Y\Data\VY081424\
Data File : VY019049.D
Acq On : 14 Aug 2024 11:20
Operator : SY/MD
Sample : P3512-03
Misc : 5.00g/5.0mL/MSV0A_Y/SOIL/A
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSV0A_Y
ClientSampleId :

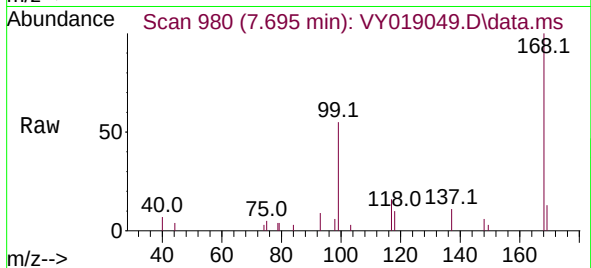
Quant Time: Aug 14 21:44:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSV0A_Y\methods\82Y080824S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 09 04:24:33 2024
Response via : Initial Calibration



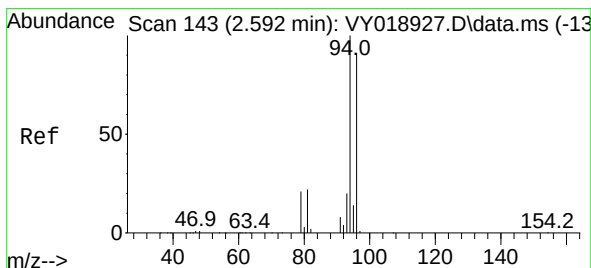
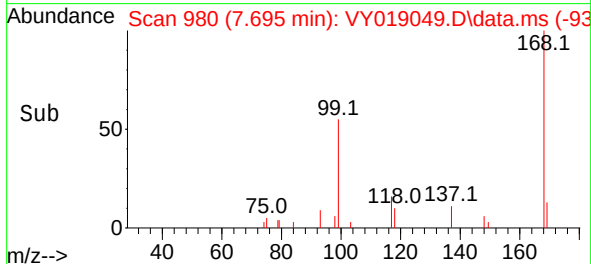
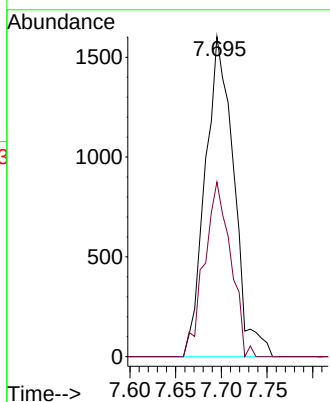


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Instrument :
MSVOA_Y
ClientSampleId :

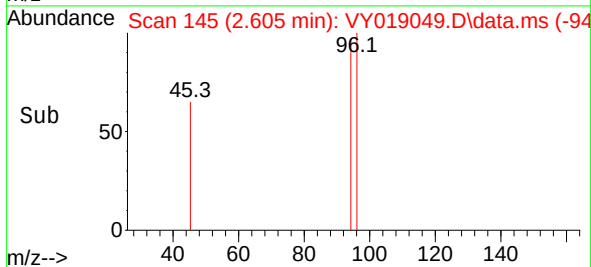
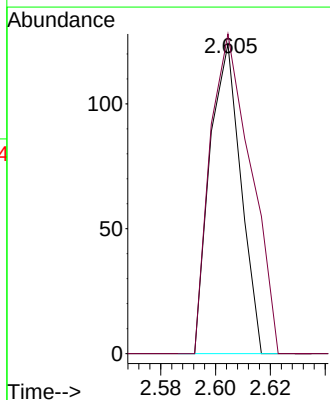
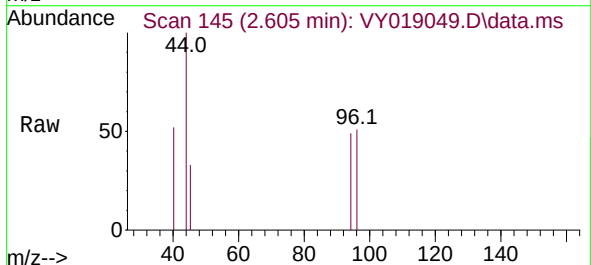


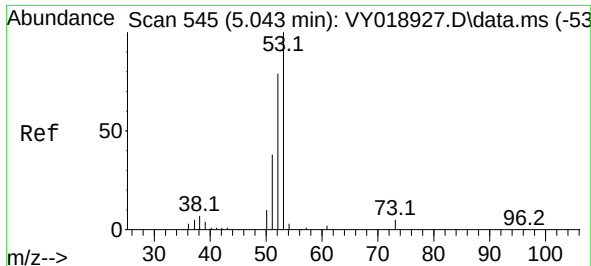
Tgt Ion:168 Resp: 3485
Ion Ratio Lower Upper
168 100
99 54.6 39.1 58.7



#5
Bromomethane
Concen: 1.514 ug/l
RT: 2.605 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

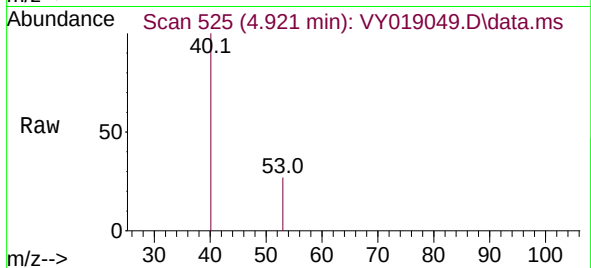
Tgt Ion: 94 Resp: 97
Ion Ratio Lower Upper
94 100
96 103.2 74.1 111.1



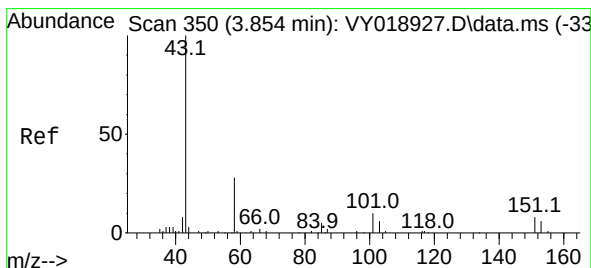
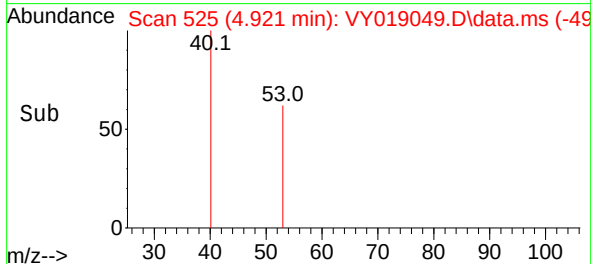
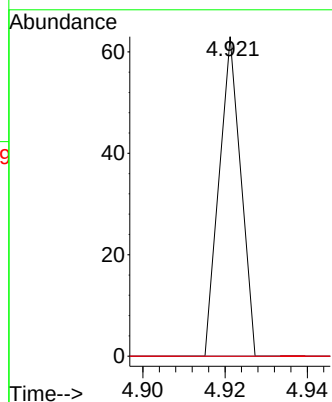


#15
Acrylonitrile
Concen: 3.557 ug/l
RT: 4.921 min Scan# 51
Delta R.T. -0.122 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Instrument :
MSVOA_Y
ClientSampleId :

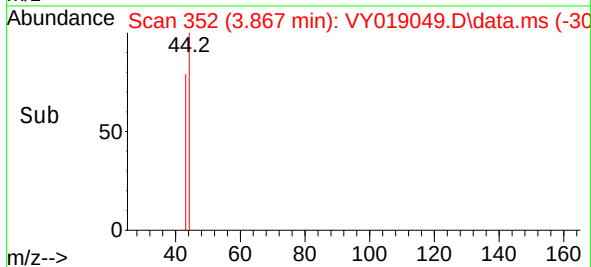
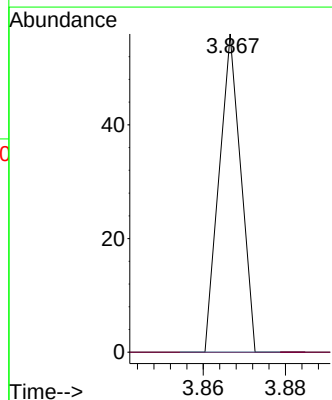
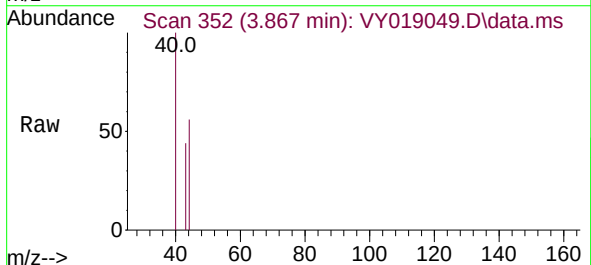


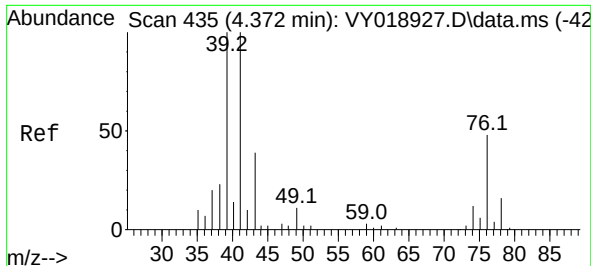
Tgt Ion: 53 Resp: 23
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 14.927 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#





#18

Methyl Acetate

Concen: 1.352 ug/l

RT: 4.616 min Scan# 41

Delta R.T. 0.244 min

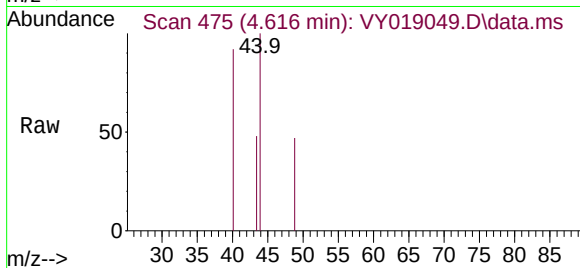
Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

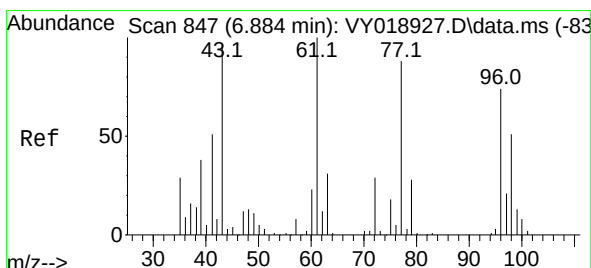
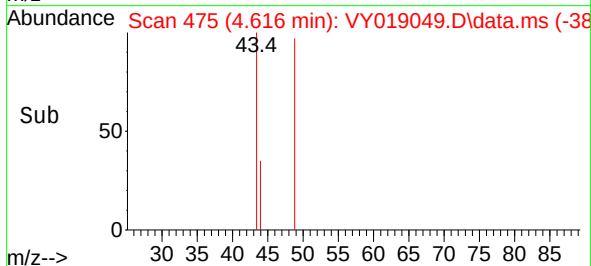
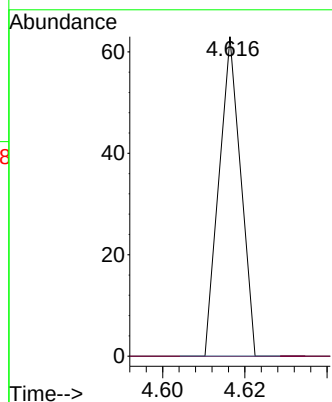


Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

74 0.0 23.3 34.9#



#25

2-Butanone

Concen: 5.653 ug/l

RT: 6.695 min Scan# 816

Delta R.T. -0.189 min

Lab File: VY019049.D

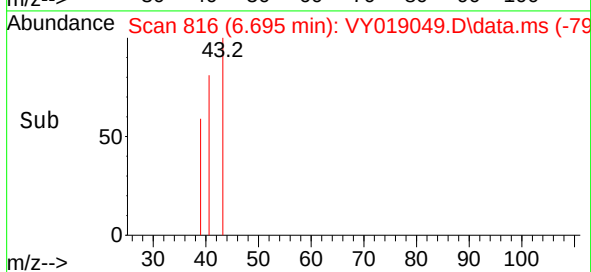
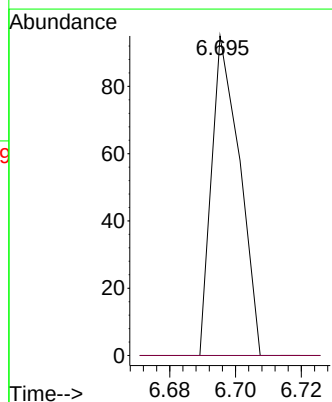
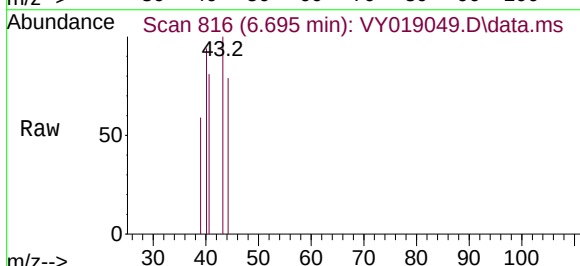
Acq: 14 Aug 2024 11:20

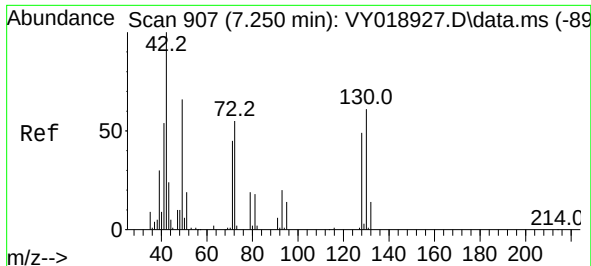
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#





#29

Tetrahydrofuran

Concen: 3.252 ug/l

RT: 7.317 min Scan# 918

Delta R.T. 0.067 min

Lab File: VY019049.D

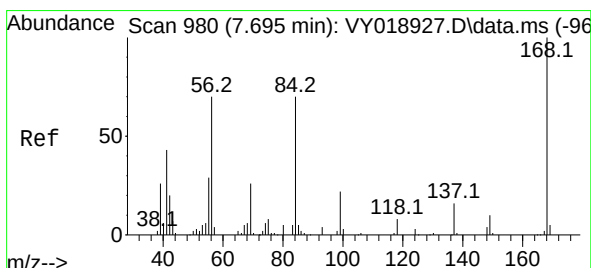
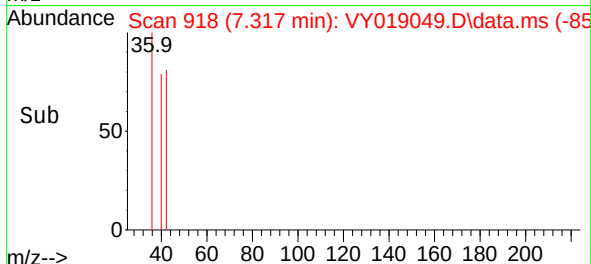
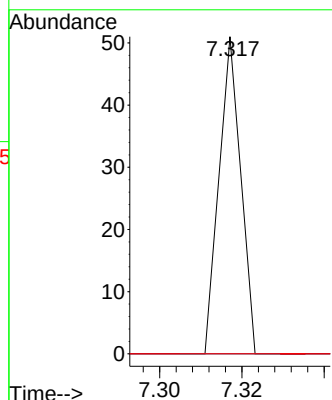
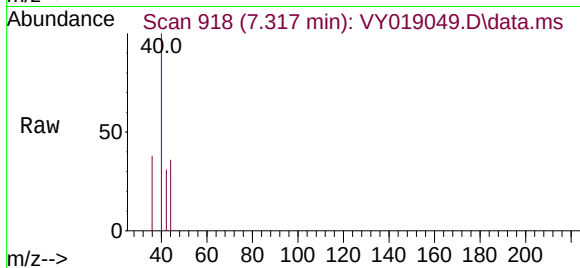
Acq: 14 Aug 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	42	Resp:	19
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: Below Cal

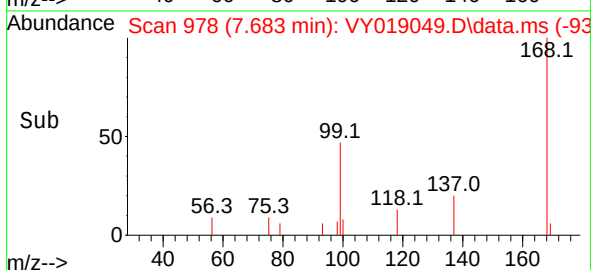
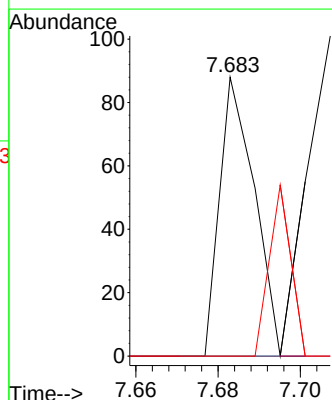
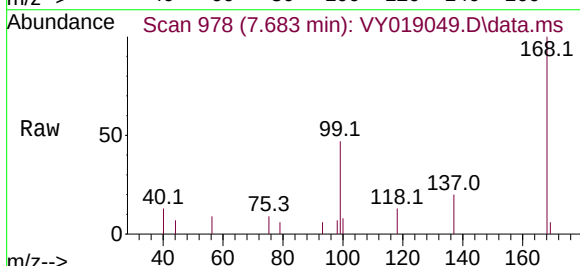
RT: 7.683 min Scan# 978

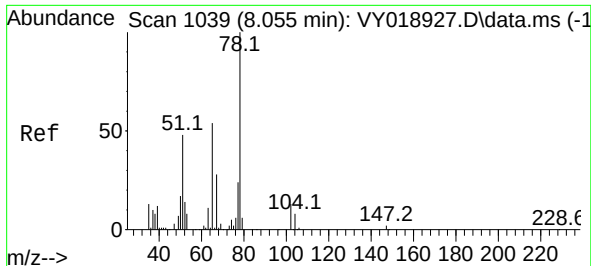
Delta R.T. -0.012 min

Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

Tgt Ion:	56	Resp:	52
Ion	Ratio	Lower	Upper
56	100		
69	0.0	28.7	43.1#
84	0.0	77.7	116.5#

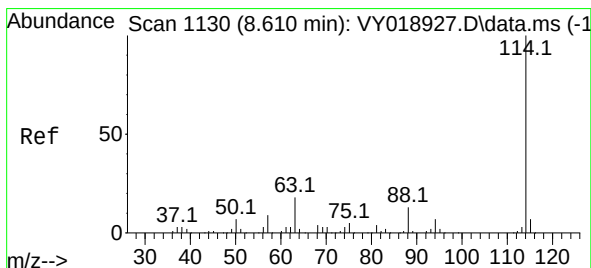
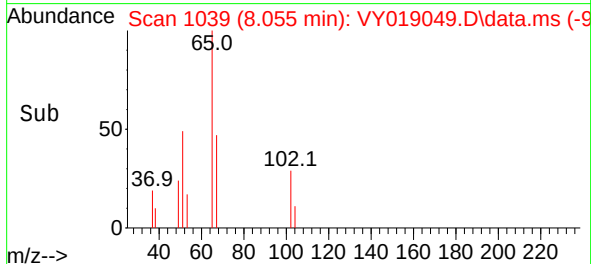
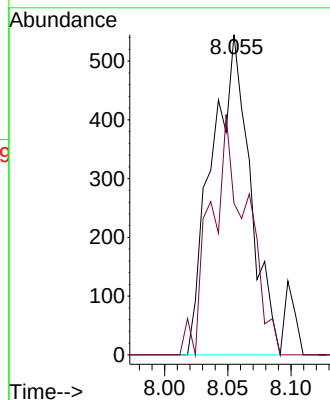
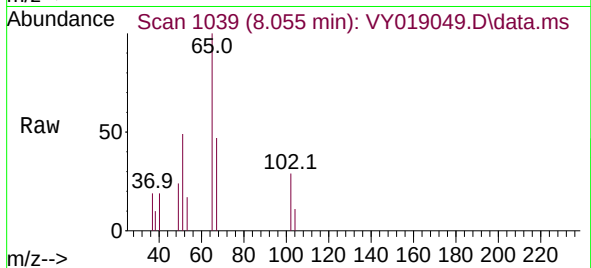




#33
1,2-Dichloroethane-d4
Concen: 37.649 ug/l
RT: 8.055 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

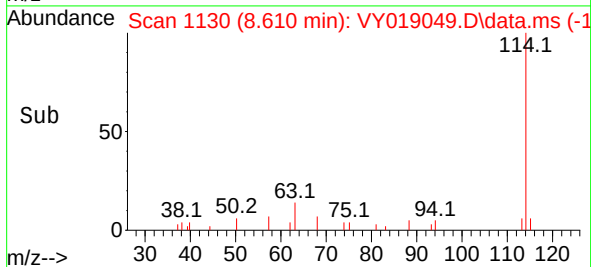
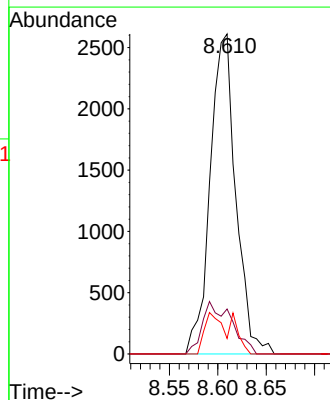
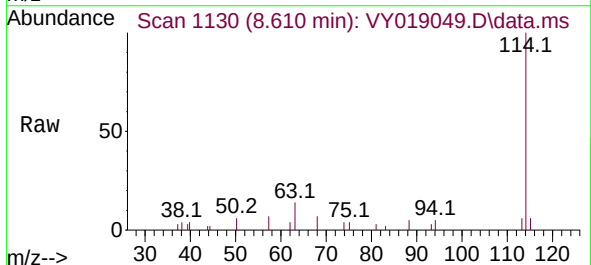
Instrument :
MSVOA_Y
ClientSampleId :

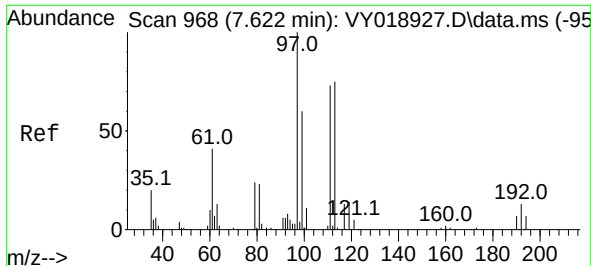
Tgt Ion: 65 Resp: 1152
Ion Ratio Lower Upper
65 100
67 71.4 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Tgt Ion: 114 Resp: 4827
Ion Ratio Lower Upper
114 100
63 14.1 0.0 35.0
88 4.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 50.082 ug/l

RT: 7.628 min Scan# 9

Delta R.T. 0.006 min

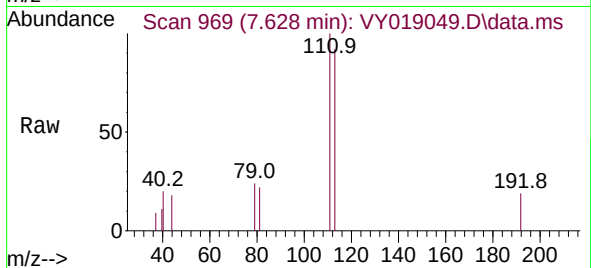
Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

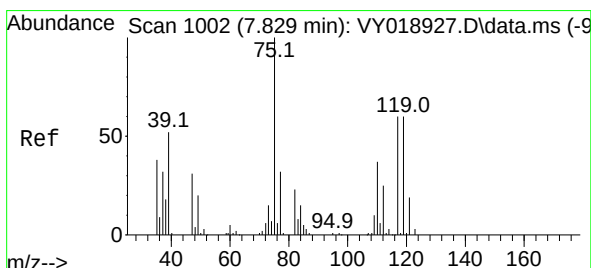
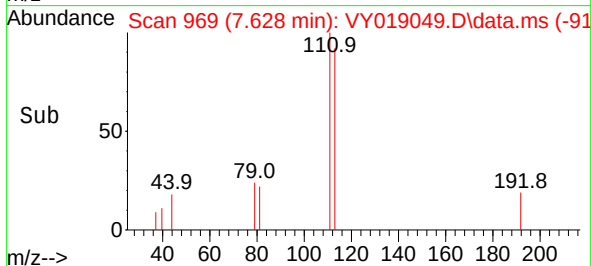
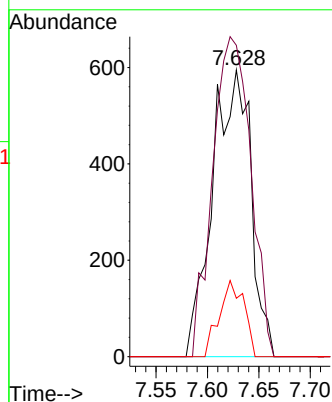
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	1544
Ion	Ratio	Lower	Upper
113	100		
111	111.0	82.2	123.4
192	17.1	15.9	23.9



#36

1,1-Dichloropropene

Concen: 5.823 ug/l

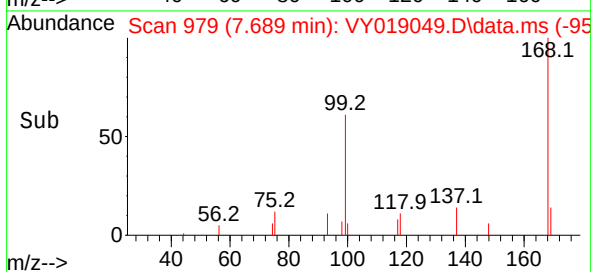
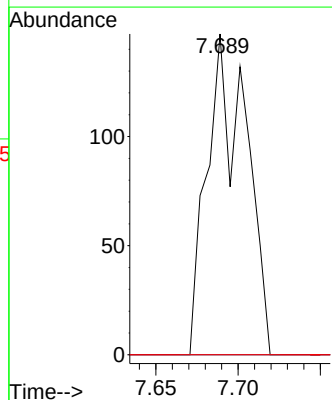
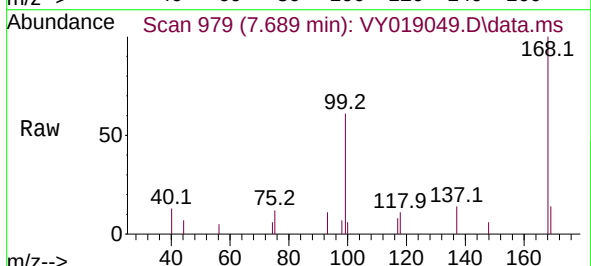
RT: 7.689 min Scan# 979

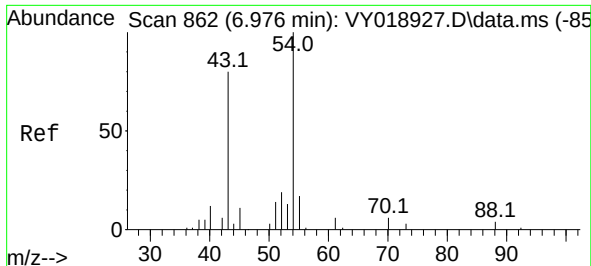
Delta R.T. -0.140 min

Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

Tgt Ion:	75	Resp:	241
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.0	57.0#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 2.961 ug/l

RT: 6.695 min Scan# 81

Delta R.T. -0.280 min

Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

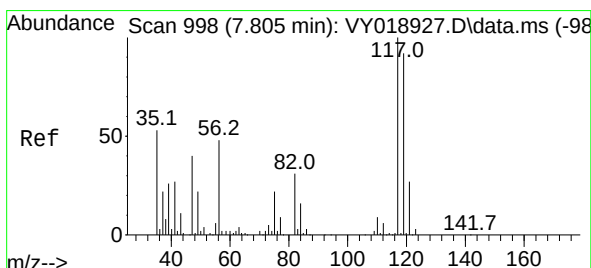
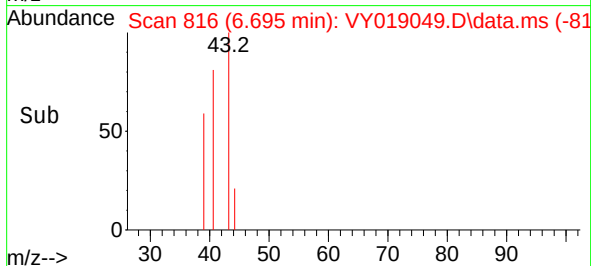
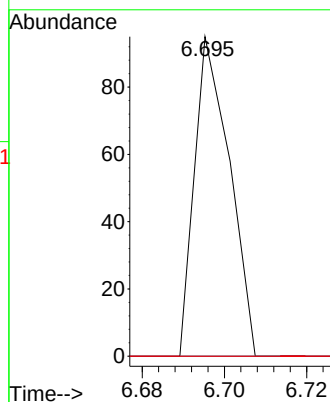
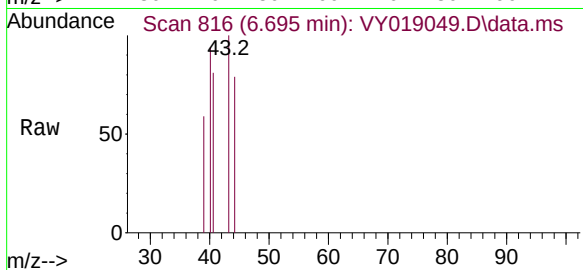
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 6.449 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

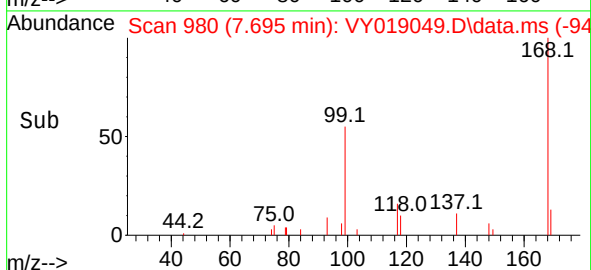
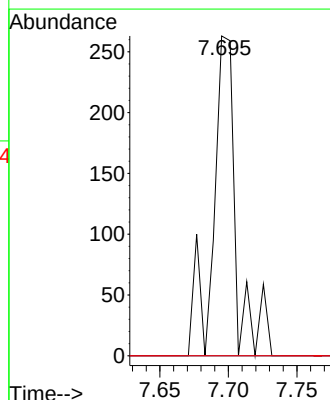
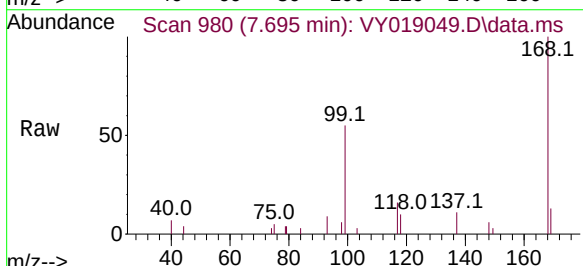
Tgt Ion: 117 Resp: 306

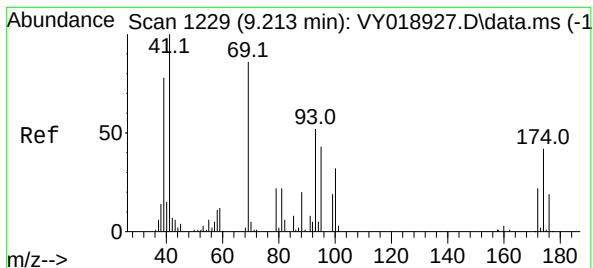
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.0 36.0#





#48

Methyl methacrylate

Concen: 1.547 ug/l

RT: 9.420 min Scan# 1263

Delta R.T. 0.207 min

Lab File: VY019049.D

Acq: 14 Aug 2024 11:20

Instrument :

MSVOA_Y

ClientSampleId :

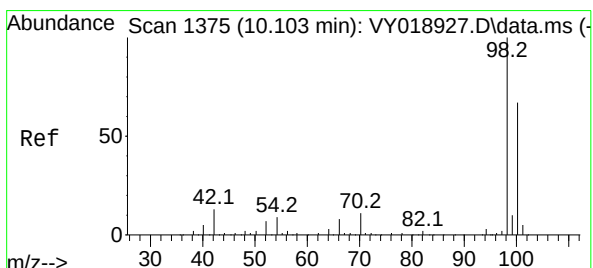
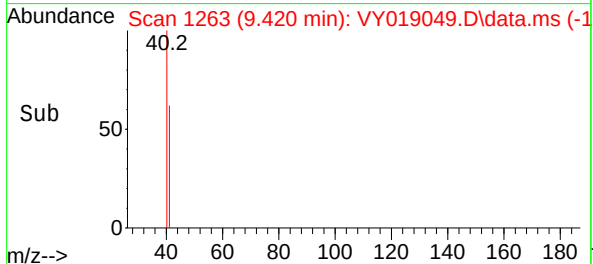
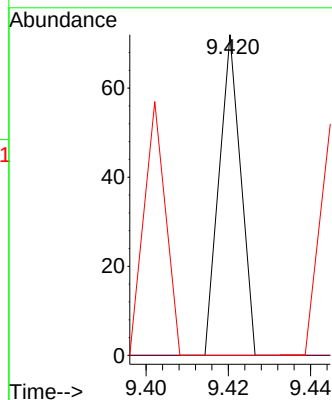
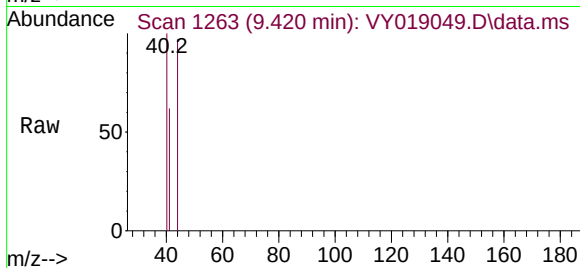
Tgt Ion: 41 Resp: 26

Ion Ratio Lower Upper

41 100

69 0.0 84.1 126.1#

39 80.8 43.6 65.4#



#50

Toluene-d8

Concen: 39.842 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019049.D

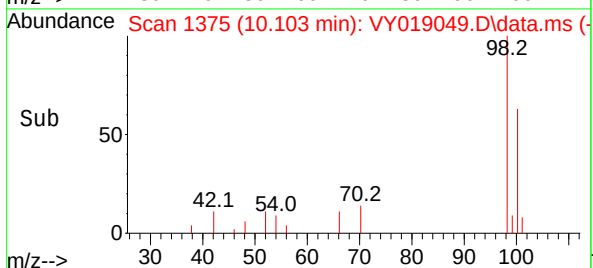
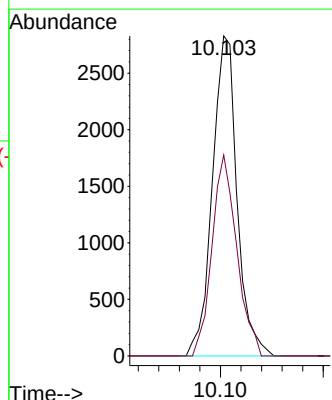
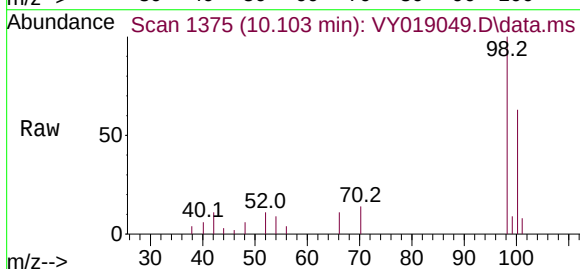
Acq: 14 Aug 2024 11:20

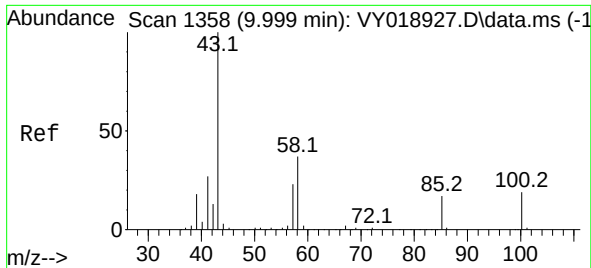
Tgt Ion: 98 Resp: 4718

Ion Ratio Lower Upper

98 100

100 63.1 52.0 78.0

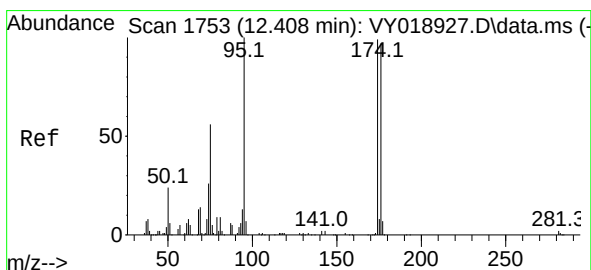
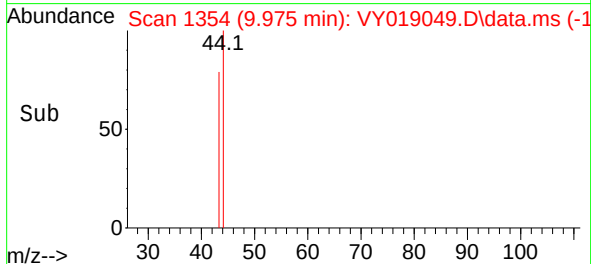
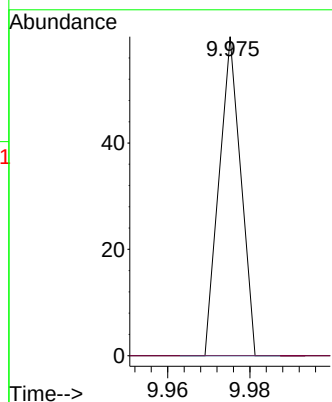
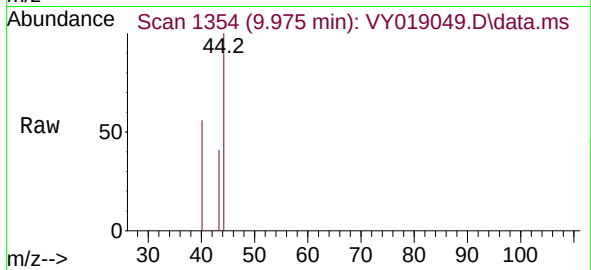




#51
4-Methyl-2-Pentanone
Concen: 1.109 ug/l
RT: 9.975 min Scan# 1358
Delta R.T. -0.024 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

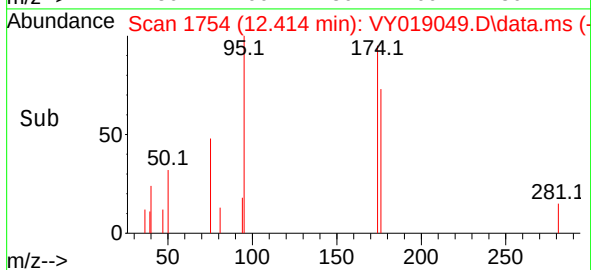
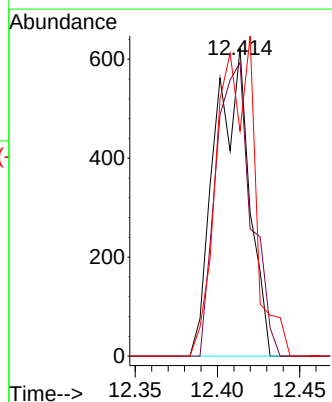
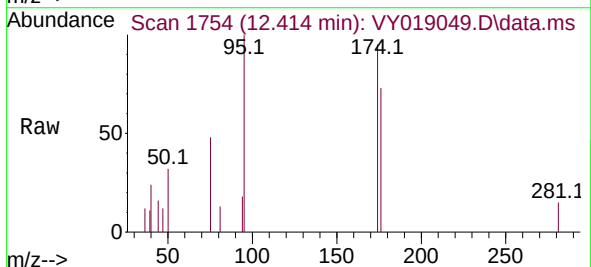
Instrument :
MSVOA_Y
ClientSampleId :

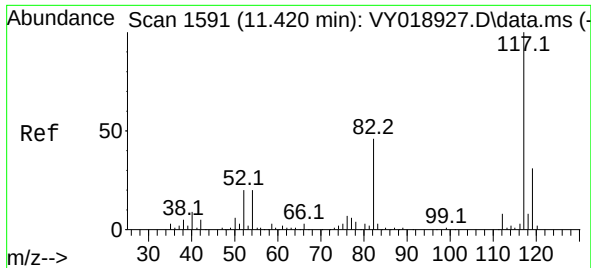
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 25.788 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

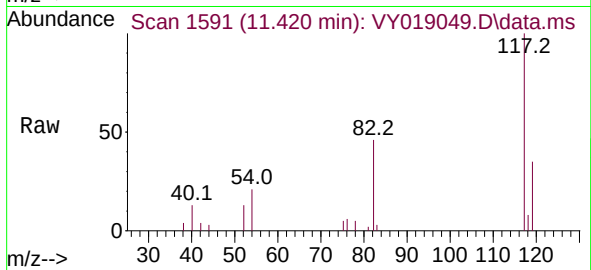
Tgt Ion: 95 Resp: 906
Ion Ratio Lower Upper
95 100
174 97.6 0.0 175.6
176 111.1 0.0 171.4



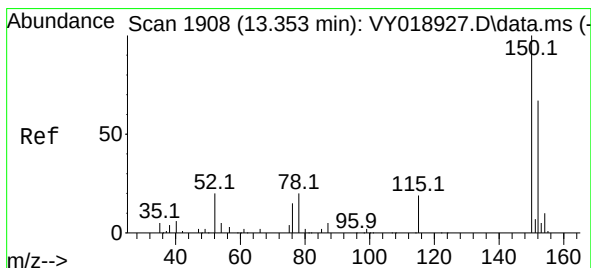
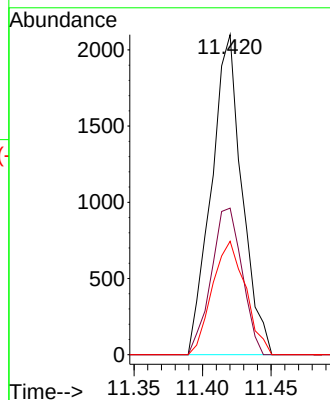
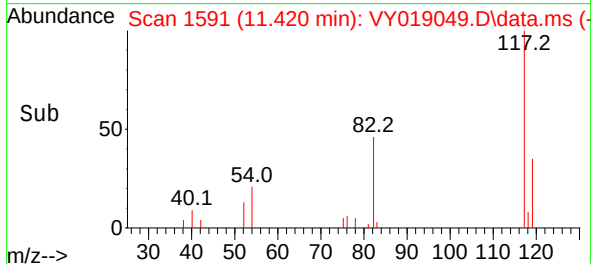


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Instrument :
MSVOA_Y
ClientSampleId :

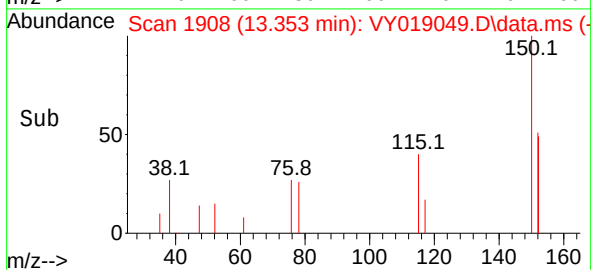
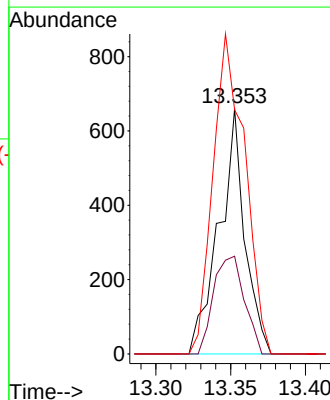
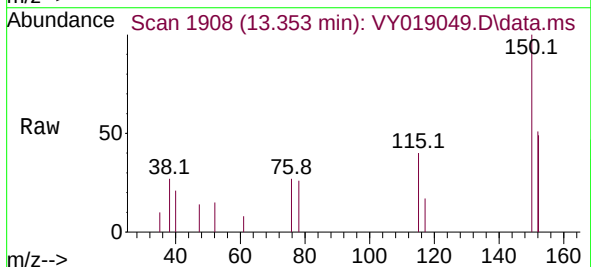


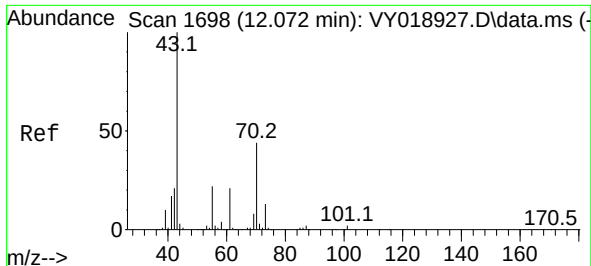
Tgt Ion:117 Resp: 3266
Ion Ratio Lower Upper
117 100
82 45.8 42.4 63.6
119 35.4 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Tgt Ion:152 Resp: 789
Ion Ratio Lower Upper
152 100
115 47.7 28.2 84.7
150 161.1 0.0 345.6

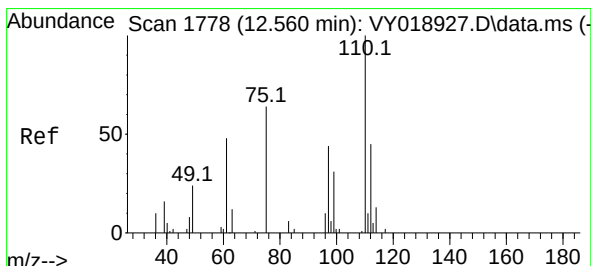
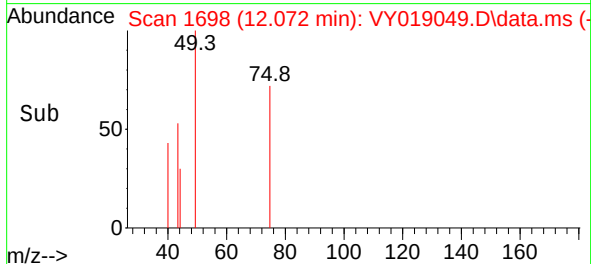
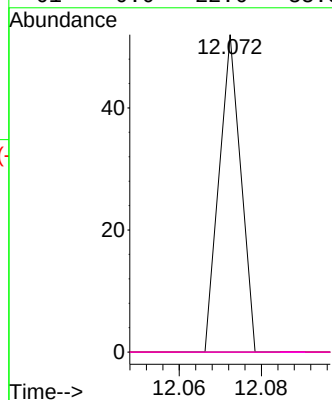
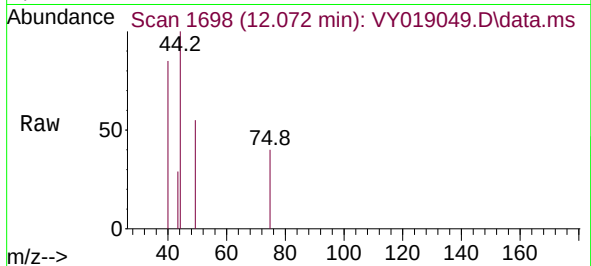




#74
N-ethyl acetate
Concen: 1.438 ug/l
RT: 12.072 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

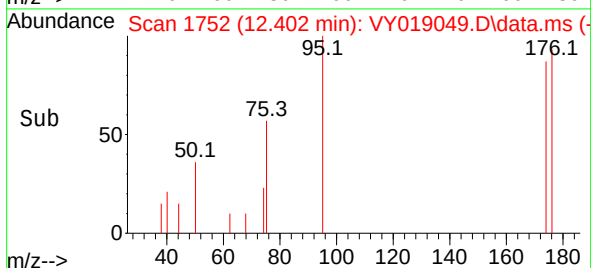
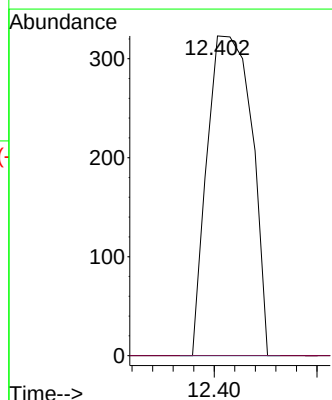
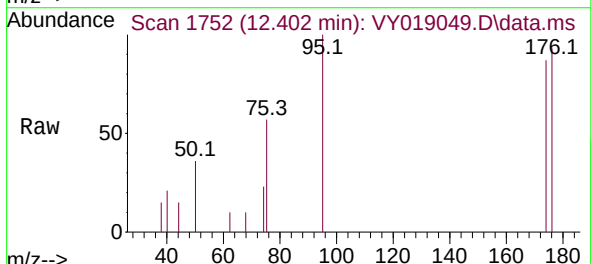
Instrument :
MSVOA_Y
ClientSampleId :

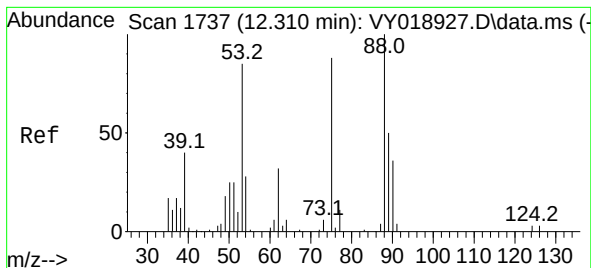
Tgt Ion: 43	Resp: 19
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.2#
55 0.0	23.3 34.9#
61 0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 82.852 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Tgt Ion: 75	Resp:	487	
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

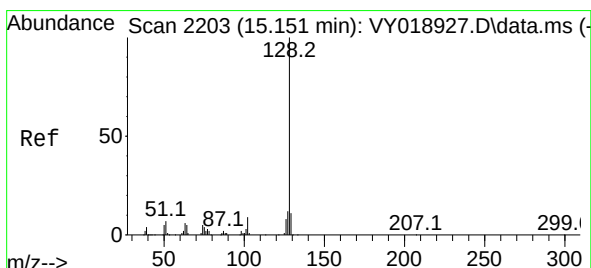
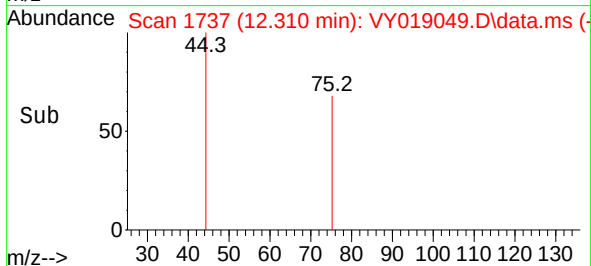
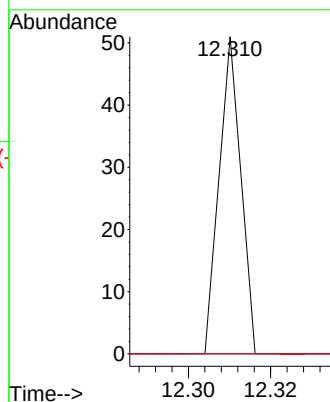
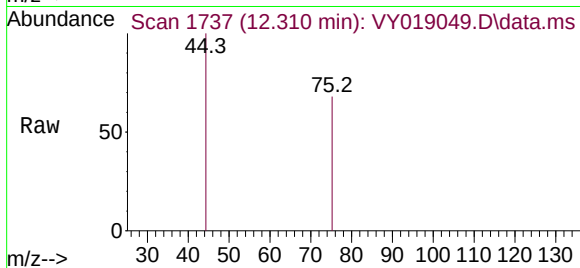




#81
trans-1,4-Dichloro-2-butene
Concen: 6.661 ug/l
RT: 12.310 min Scan# 1737
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.236 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY019049.D
Acq: 14 Aug 2024 11:20

Tgt Ion:128 Resp: 115
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

