

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019089.D
 Acq On : 16 Aug 2024 13:22
 Operator : SY/MD
 Sample : P3614-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 23:12:59 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)

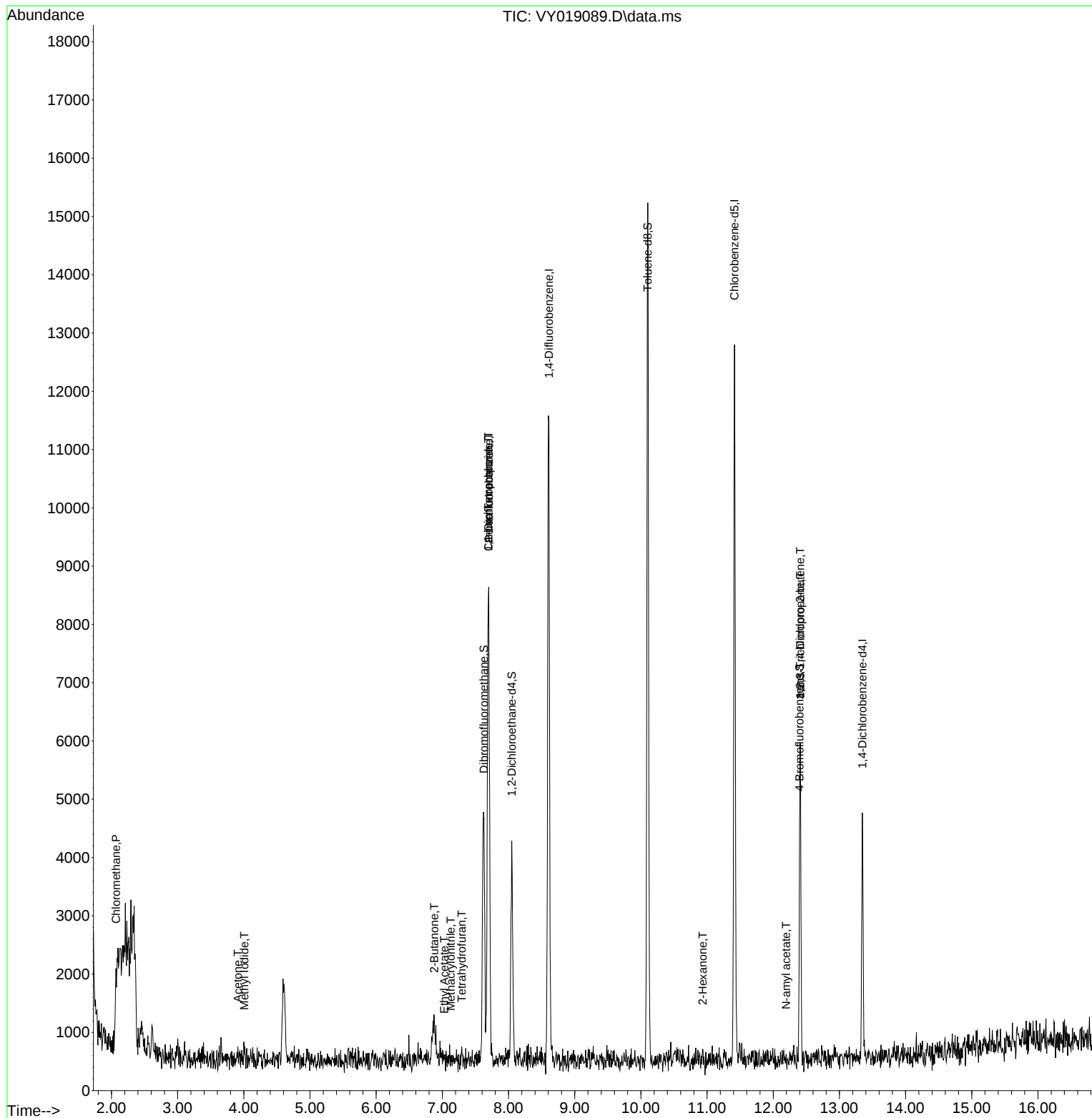
Internal Standards						
1) Pentafluorobenzene	7.701	168	7010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	10233	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	6918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	1246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	2594	36.915	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.820%
35) Dibromofluoromethane	7.628	113	3175	47.452	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.900%
50) Toluene-d8	10.103	98	10252	42.578	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	85.160%
62) 4-Bromofluorobenzene	12.395	95	1655	20.163	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	40.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	247	2.664	ug/l	99
5) Bromomethane	2.610	94	317	Below Cal		95
10) Methyl Iodide	4.007	142	260	3.446	ug/l #	71
13) Acrolein	3.647	56	24	Below Cal	#	15
16) Acetone	3.909	43	68	5.218	ug/l #	36
25) 2-Butanone	6.878	43	44	2.097	ug/l #	41
29) Tetrahydrofuran	7.293	42	21	1.557	ug/l #	26
36) 1,1-Dichloropropene	7.695	75	622	6.770	ug/l #	40
37) Ethyl Acetate	7.030	43	53	1.302	ug/l #	50
38) Carbon Tetrachloride	7.695	117	685	6.433	ug/l #	13
41) Methacrylonitrile	7.128	41	25	1.125	ug/l #	15
59) 2-Hexanone	10.932	43	56	1.865	ug/l #	19
74) N-amyl acetate	12.194	43	27	1.297	ug/l #	37
76) 1,2,3-Trichloropropane	12.408	75	990	80.568	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	990	198.975	ug/l #	16

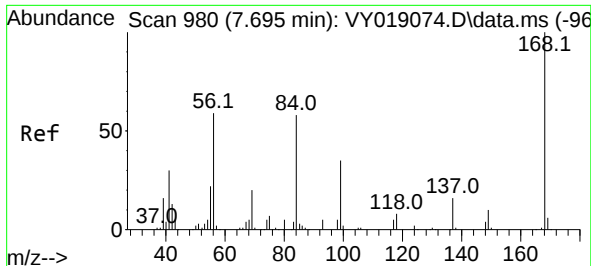
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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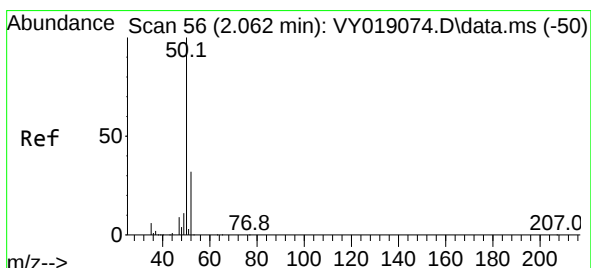
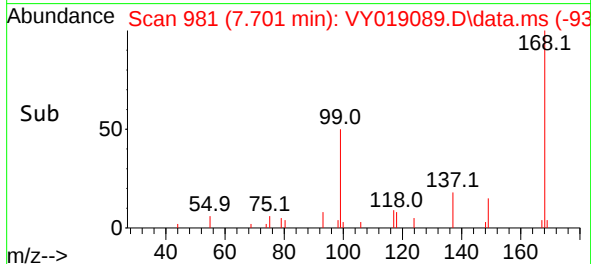
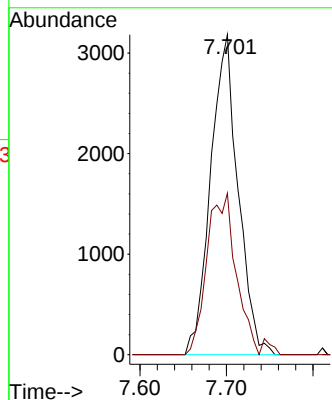
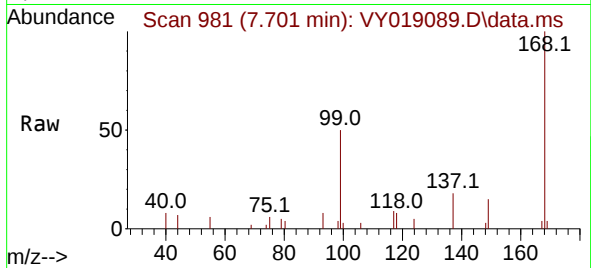




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

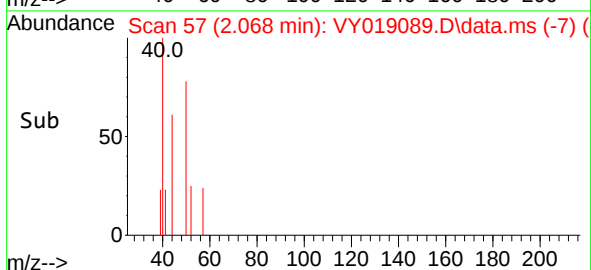
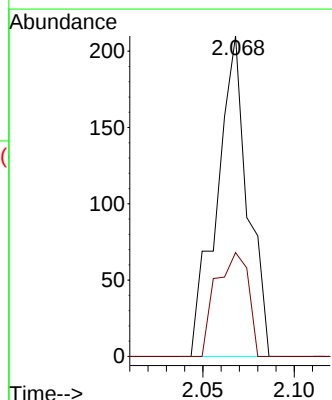
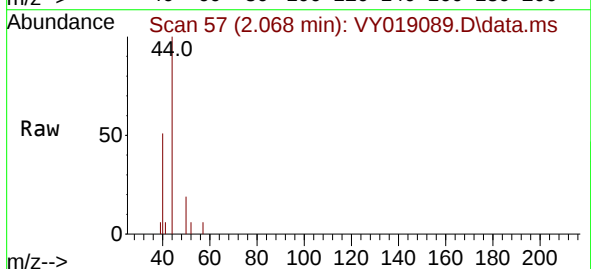
Instrument :
MSVOA_Y
ClientSampleId :

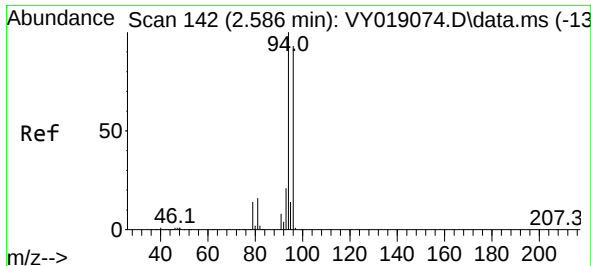
Tgt Ion:168 Resp: 7010
Ion Ratio Lower Upper
168 100
99 50.5 39.1 58.7



#3
Chloromethane
Concen: 2.664 ug/l
RT: 2.068 min Scan# 57
Delta R.T. 0.006 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

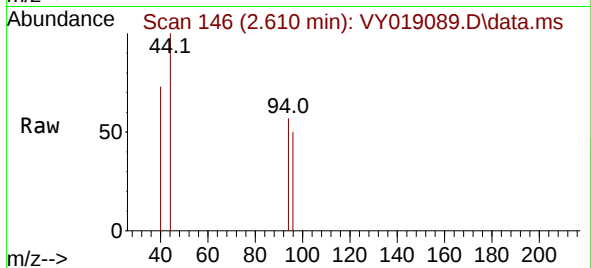
Tgt Ion: 50 Resp: 247
Ion Ratio Lower Upper
50 100
52 32.4 25.6 38.4



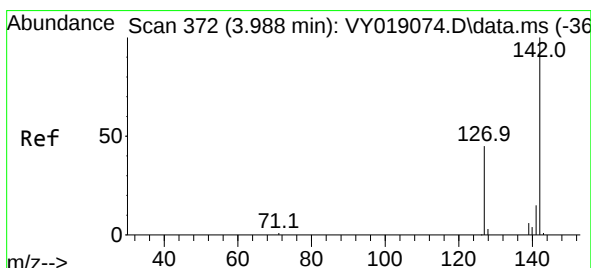
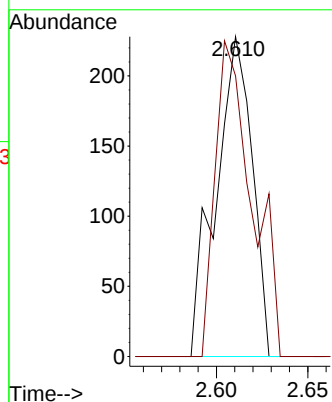
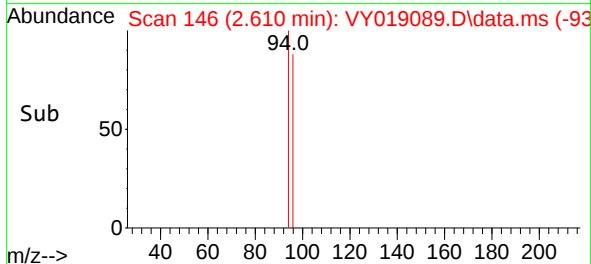


#5
Bromomethane
Concen: Below Cal
RT: 2.610 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Instrument :
MSVOA_Y
ClientSampleId :

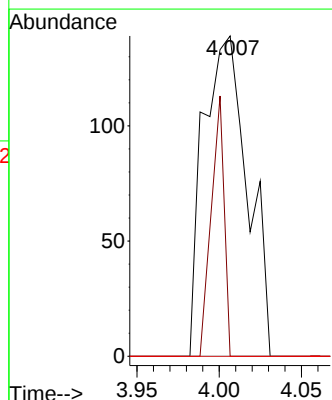
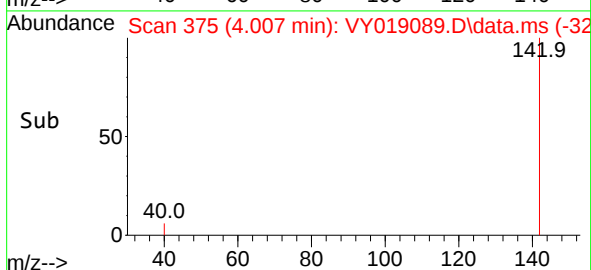
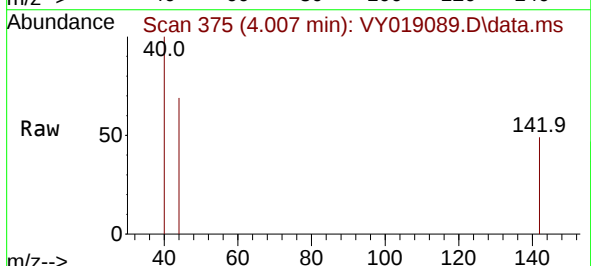


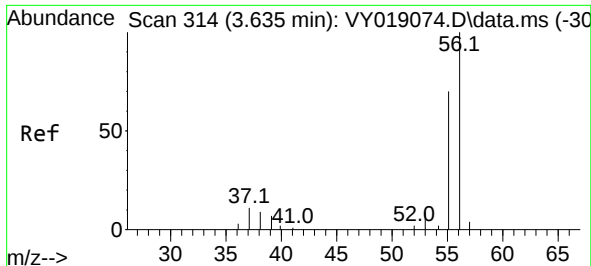
Tgt Ion: 94 Resp: 317
Ion Ratio Lower Upper
94 100
96 87.7 74.1 111.1



#10
Methyl Iodide
Concen: 3.446 ug/l
RT: 4.007 min Scan# 375
Delta R.T. 0.018 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Tgt Ion:142 Resp: 260
Ion Ratio Lower Upper
142 100
127 23.8 32.8 49.2#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: Below Cal

RT: 3.647 min Scan# 31

Delta R.T. 0.012 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

Instrument :

MSVOA_Y

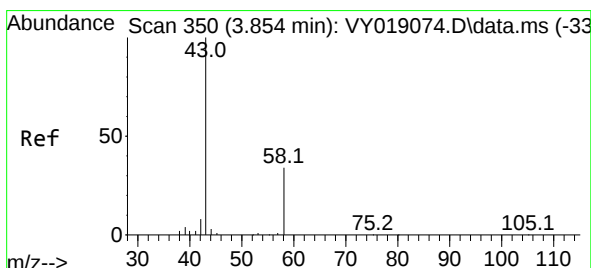
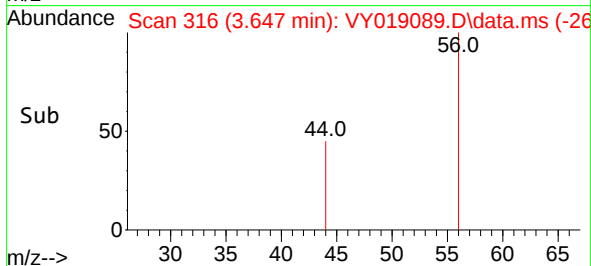
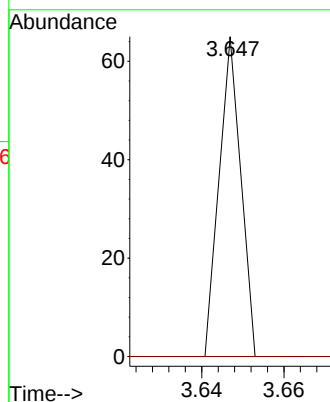
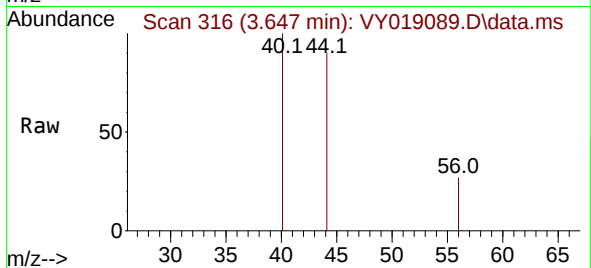
ClientSampleId :

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 5.218 ug/l

RT: 3.909 min Scan# 359

Delta R.T. 0.055 min

Lab File: VY019089.D

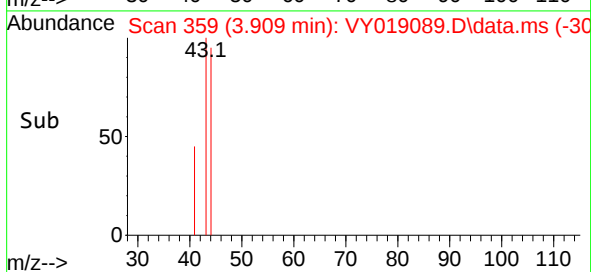
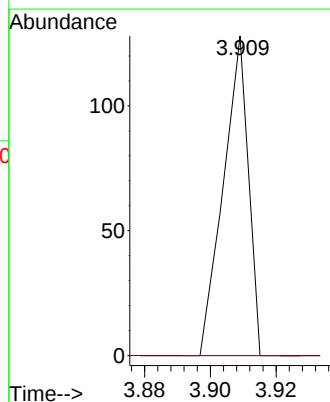
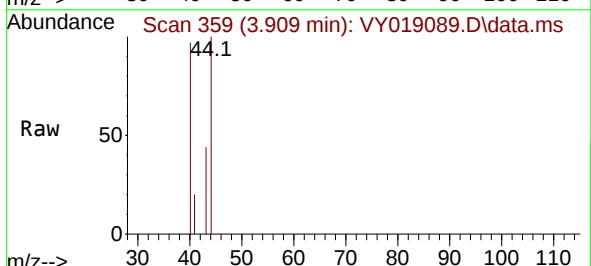
Acq: 16 Aug 2024 13:22

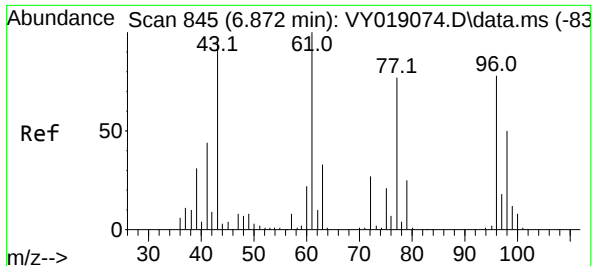
Tgt Ion: 43 Resp: 68

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#





#25

2-Butanone

Concen: 2.097 ug/l

RT: 6.878 min Scan# 845

Delta R.T. 0.006 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

Instrument :

MSVOA_Y

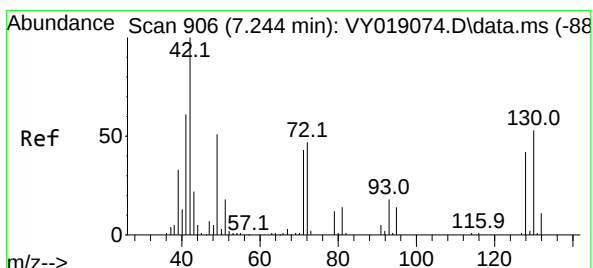
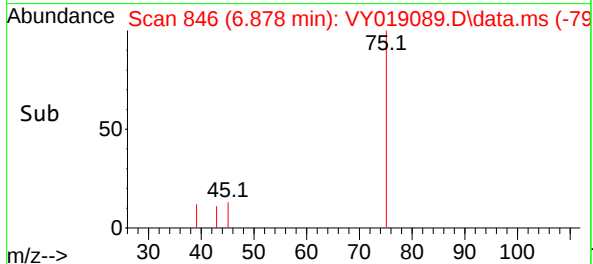
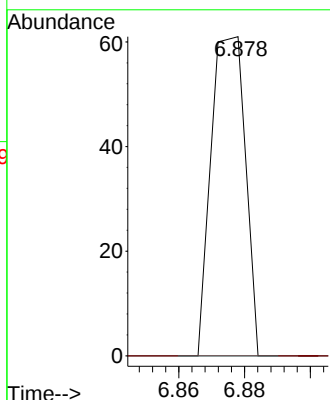
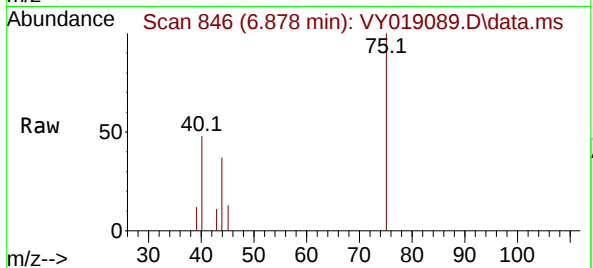
ClientSampleId :

Tgt Ion: 43 Resp: 44

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 1.557 ug/l

RT: 7.293 min Scan# 914

Delta R.T. 0.049 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

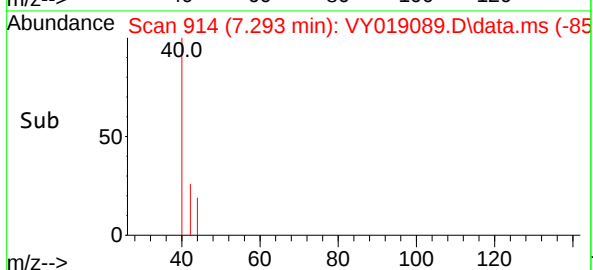
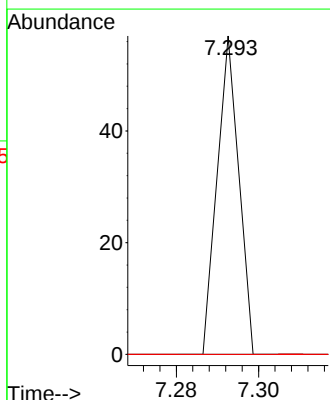
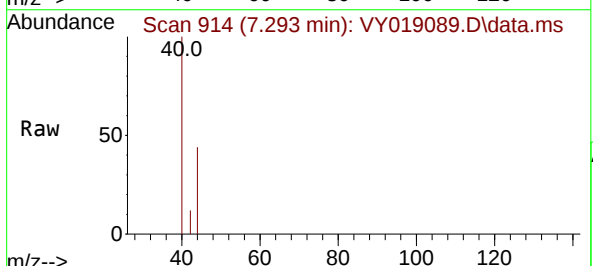
Tgt Ion: 42 Resp: 21

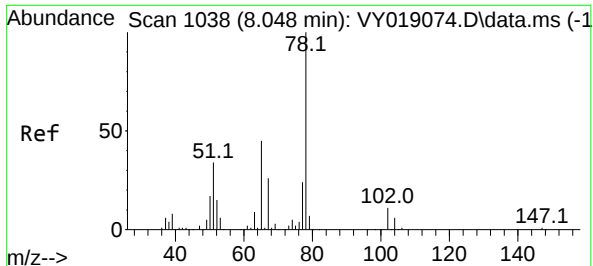
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#





#33

1,2-Dichloroethane-d4

Concen: 36.915 ug/l

RT: 8.049 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

Instrument :

MSVOA_Y

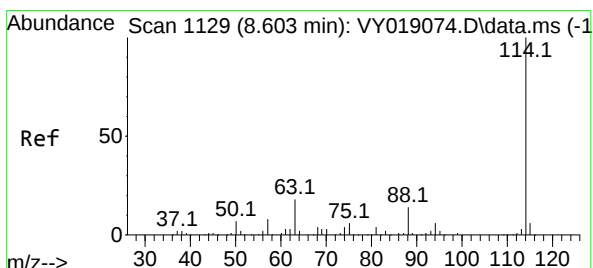
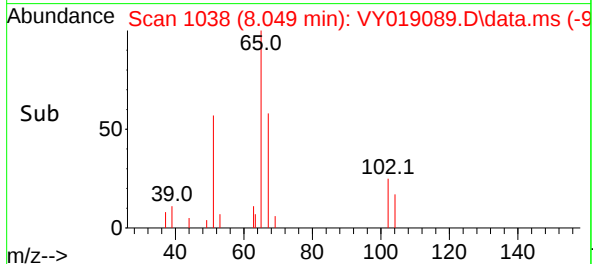
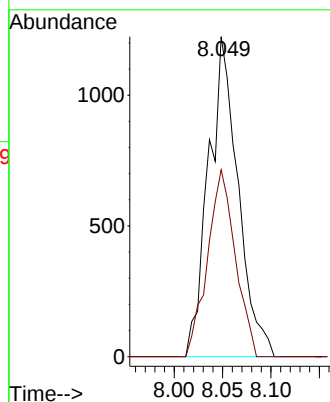
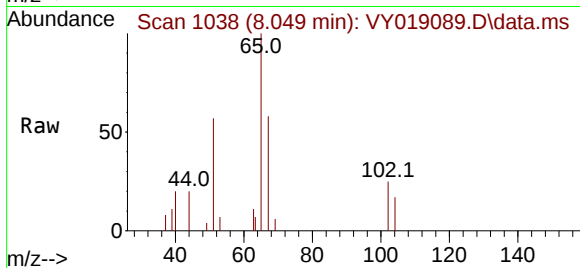
ClientSampleId :

Tgt Ion: 65 Resp: 2594

Ion Ratio Lower Upper

65 100

67 54.9 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: VY019089.D

Acq: 16 Aug 2024 13:22

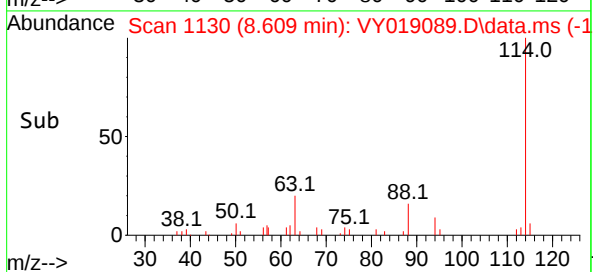
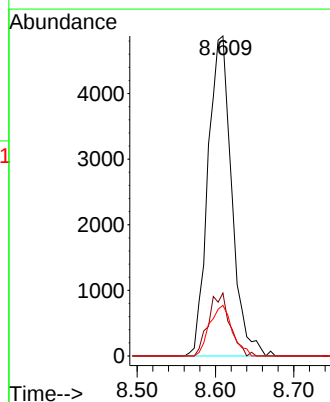
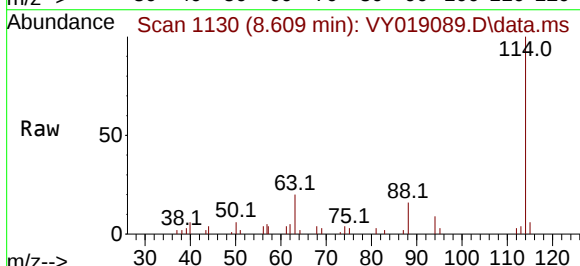
Tgt Ion: 114 Resp: 10233

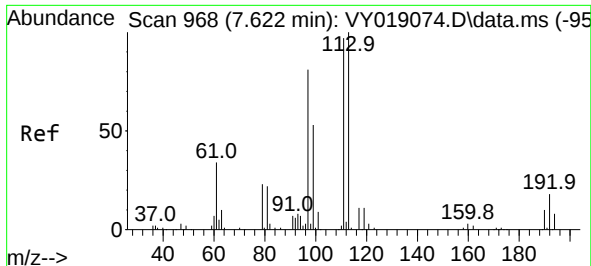
Ion Ratio Lower Upper

114 100

63 19.7 0.0 35.0

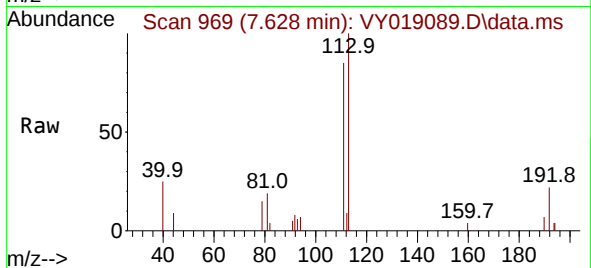
88 15.8 0.0 27.2



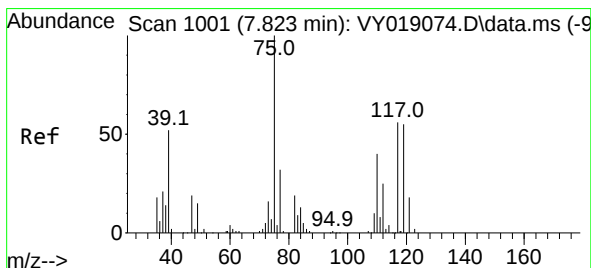
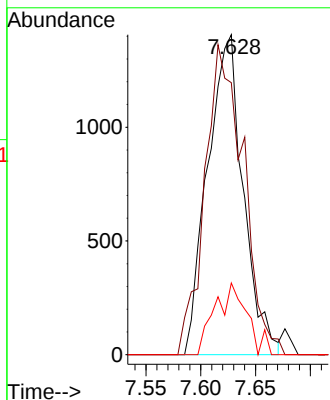
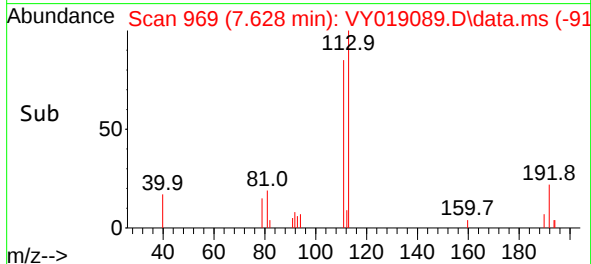


#35
Dibromofluoromethane
Concen: 47.452 ug/l
RT: 7.628 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

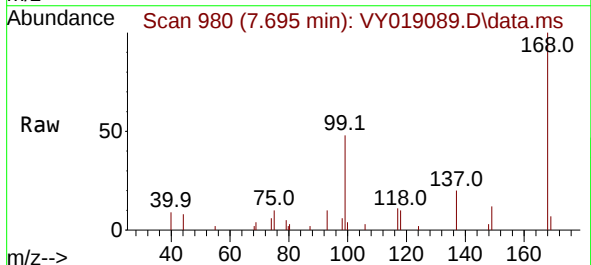
Instrument :
MSVOA_Y
ClientSampleId :



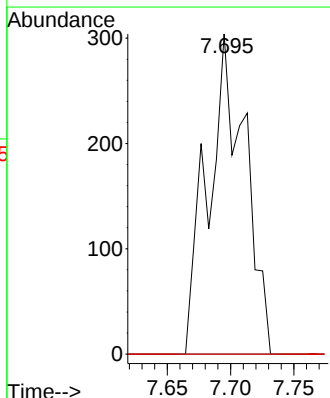
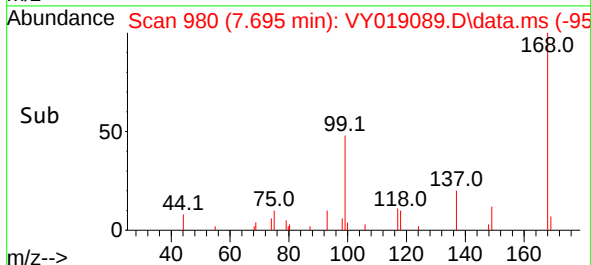
Tgt Ion:113 Resp: 3175
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.4
192 20.3 15.9 23.9

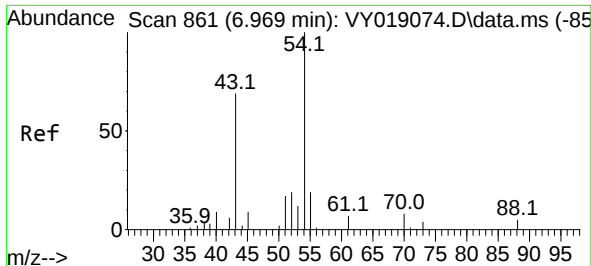


#36
1,1-Dichloropropene
Concen: 6.770 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22



Tgt Ion: 75 Resp: 622
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.302 ug/l

RT: 7.030 min Scan# 81

Delta R.T. 0.061 min

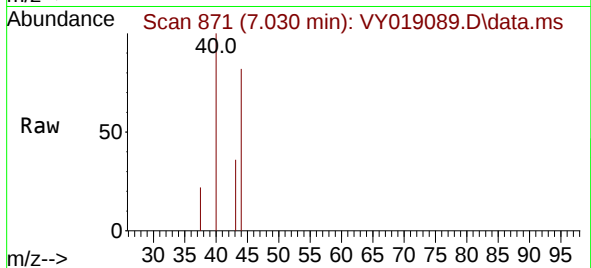
Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :



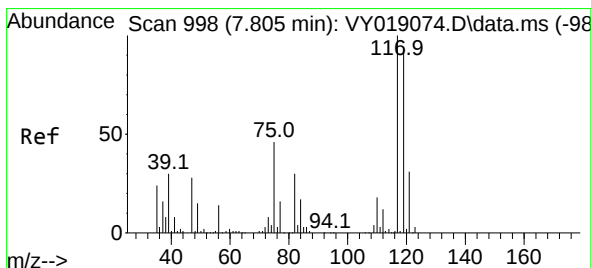
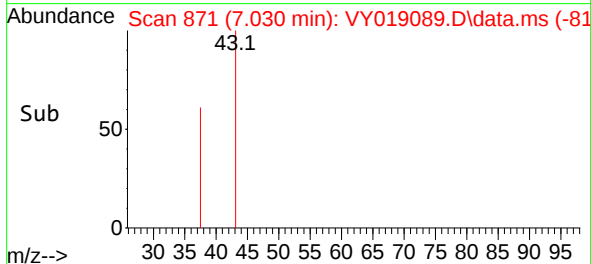
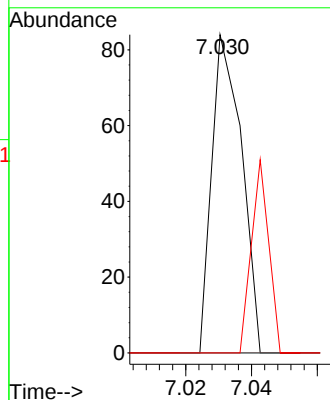
Tgt Ion: 43 Resp: 53

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 35.8 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 6.433 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

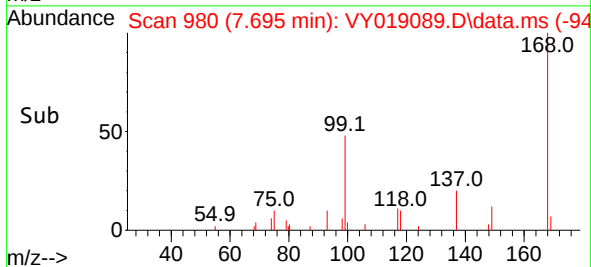
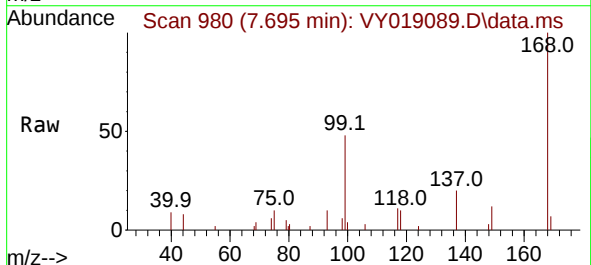
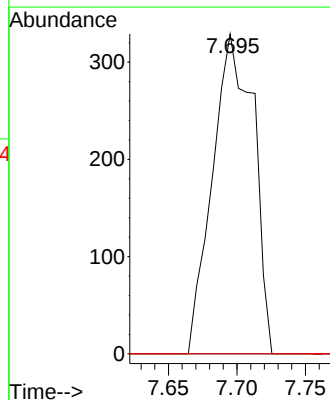
Tgt Ion: 117 Resp: 685

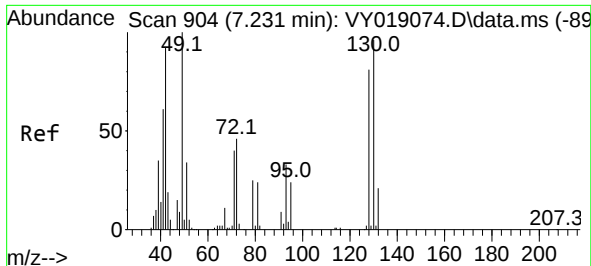
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

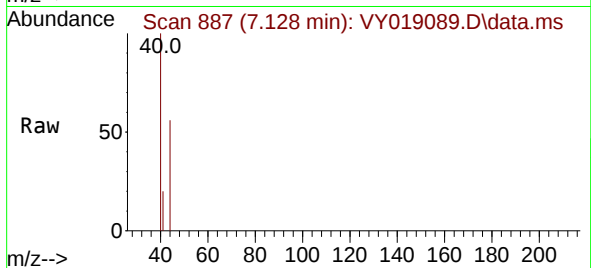
121 0.0 24.0 36.0#



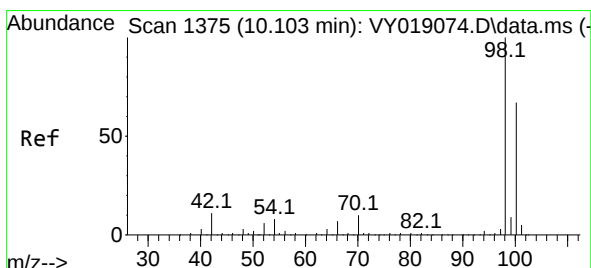
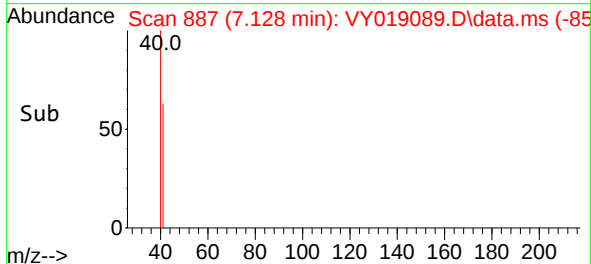
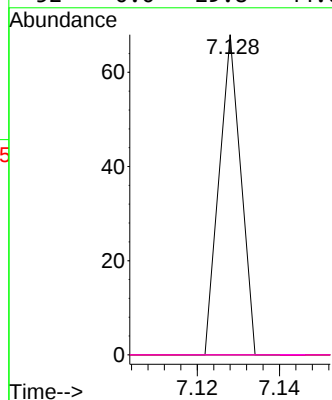


#41
Methacrylonitrile
Concen: 1.125 ug/l
RT: 7.128 min Scan# 81
Delta R.T. -0.103 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Instrument :
MSVOA_Y
ClientSampleId :

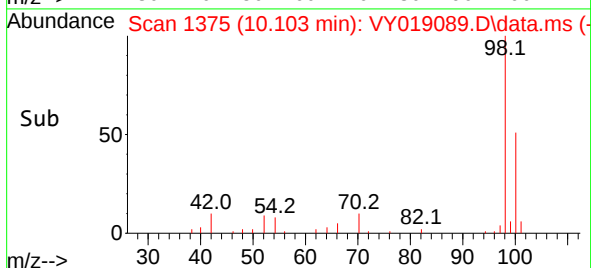
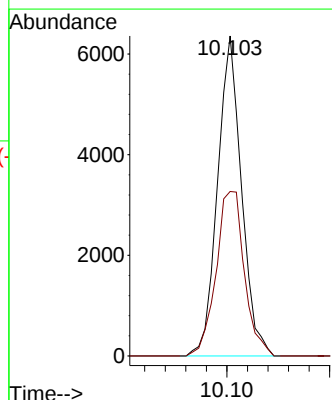
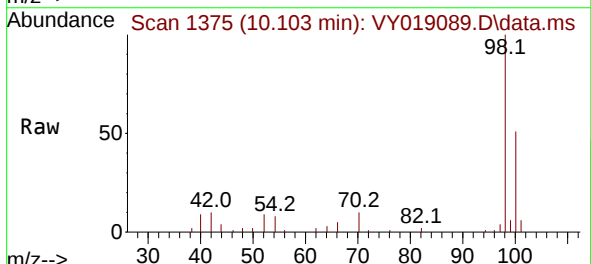


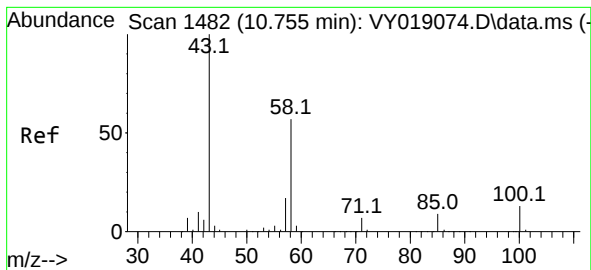
Tgt Ion: 41	Resp: 25
Ion Ratio	Lower Upper
41 100	
39 0.0	48.0 72.0#
67 0.0	75.1 112.7#
52 0.0	29.8 44.6#



#50
Toluene-d8
Concen: 42.578 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Tgt Ion: 98	Resp: 10252
Ion Ratio	Lower Upper
98 100	
100 60.9	52.0 78.0

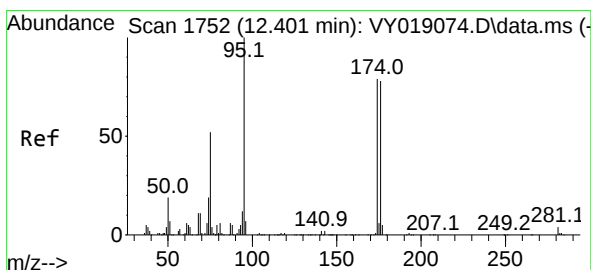
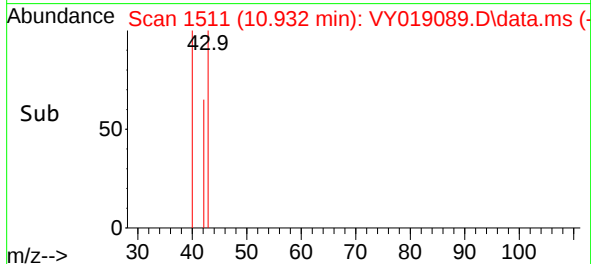
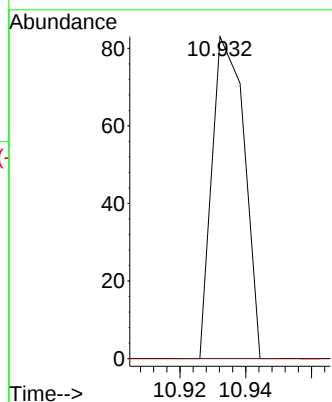
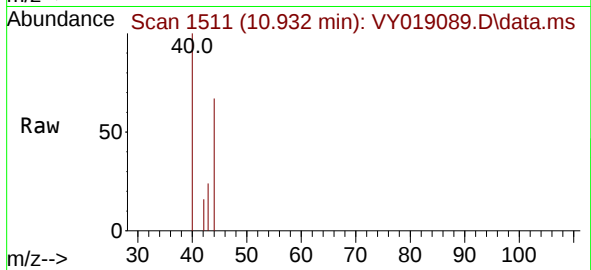




#59
2-Hexanone
Concen: 1.865 ug/l
RT: 10.932 min Scan# 11
Delta R.T. 0.177 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

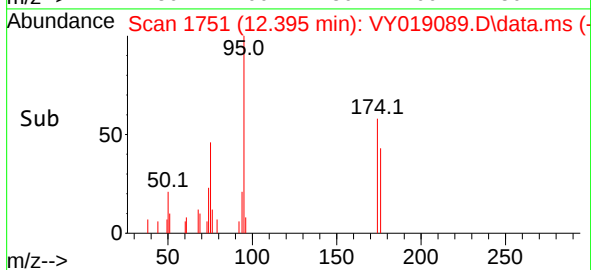
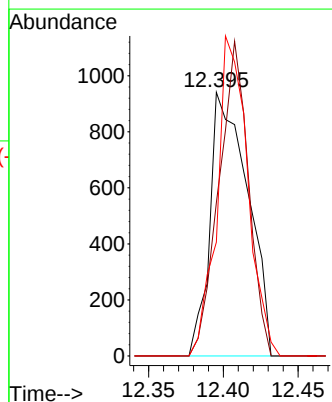
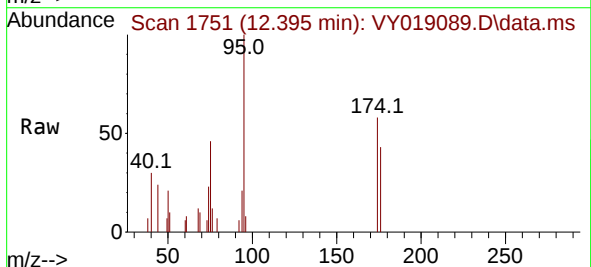
Instrument :
MSVOA_Y
ClientSampleId :

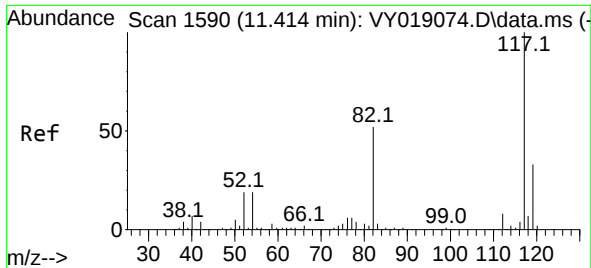
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 20.163 ug/l
RT: 12.395 min Scan# 1751
Delta R.T. -0.006 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Tgt Ion: 95 Resp: 1655
Ion Ratio Lower Upper
95 100
174 93.5 0.0 175.6
176 98.2 0.0 171.4

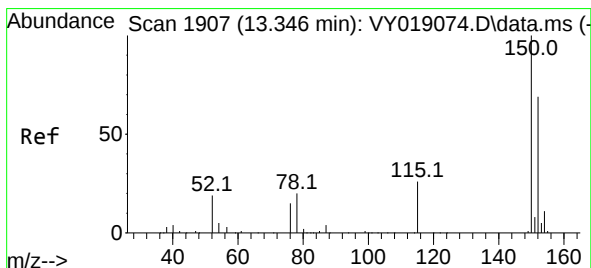
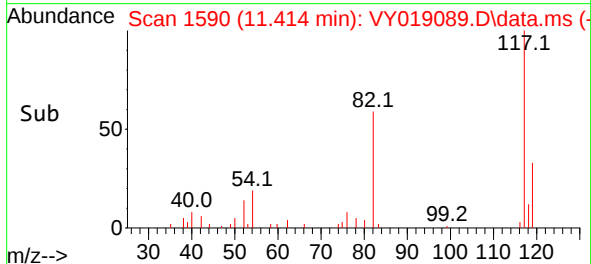
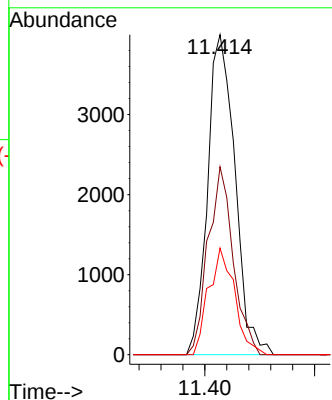
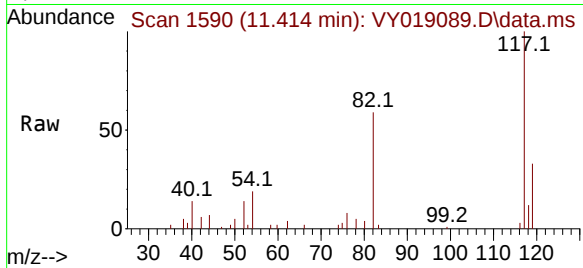




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

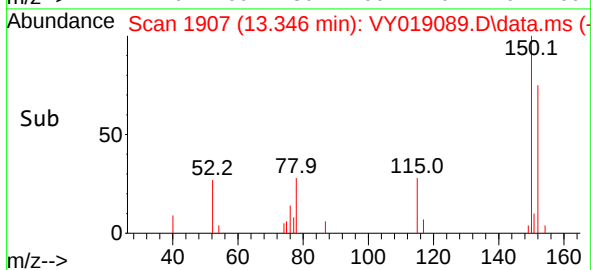
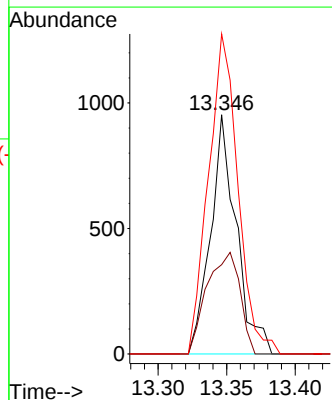
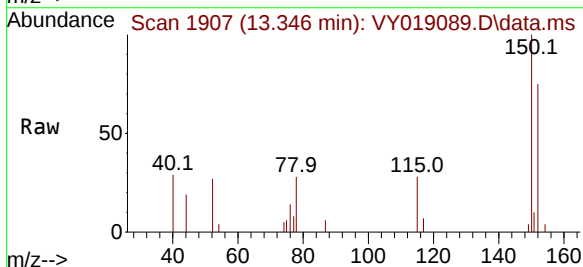
Instrument :
MSVOA_Y
ClientSampleId :

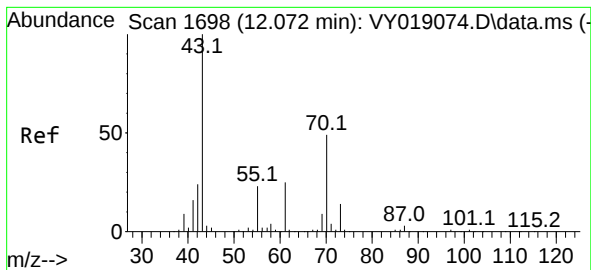
Tgt Ion:117 Resp: 6918
Ion Ratio Lower Upper
117 100
82 58.7 42.4 63.6
119 33.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019089.D
Acq: 16 Aug 2024 13:22

Tgt Ion:152 Resp: 1246
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.7
150 153.1 0.0 345.6





#74

N-amy1 acetate

Concen: 1.297 ug/l

RT: 12.194 min Scan# 1

Delta R.T. 0.122 min

Lab File: VY019089.D

Acq: 16 Aug 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43 Resp: 27

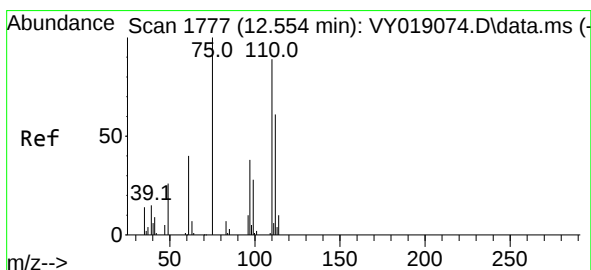
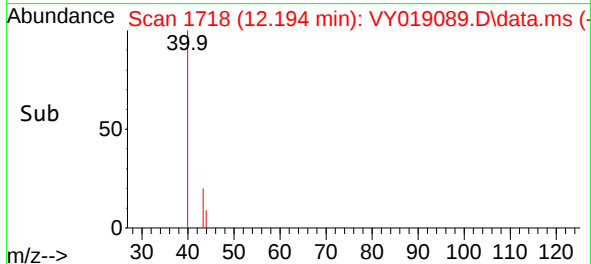
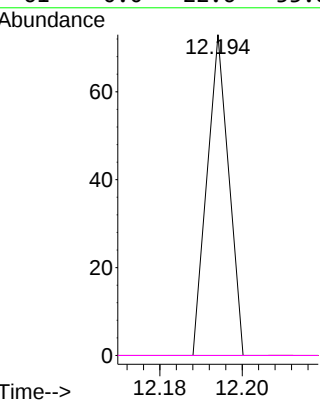
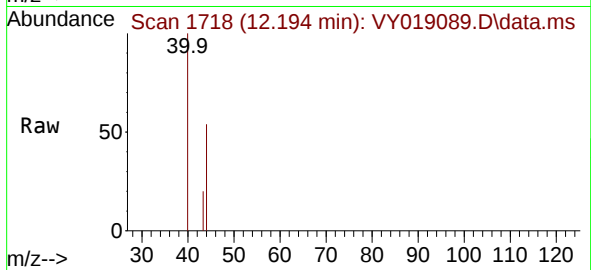
Ion Ratio Lower Upper

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: 80.568 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019089.D

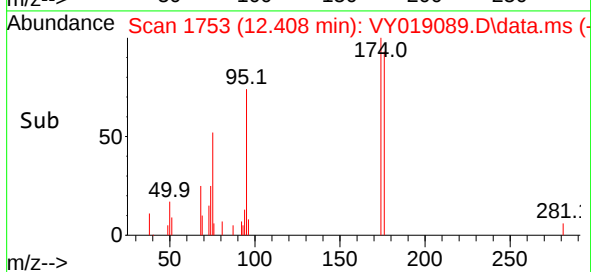
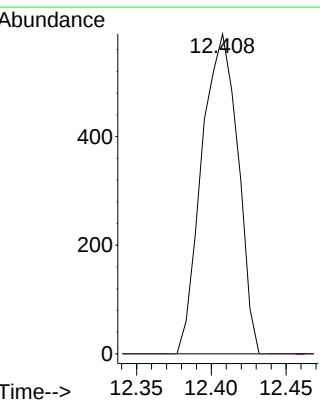
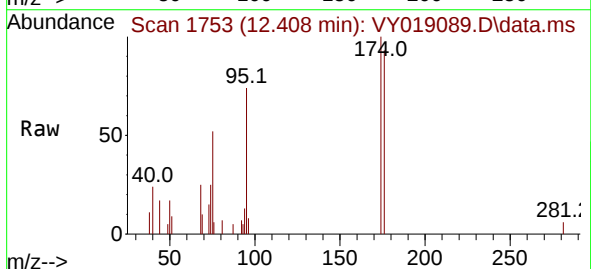
Acq: 16 Aug 2024 13:22

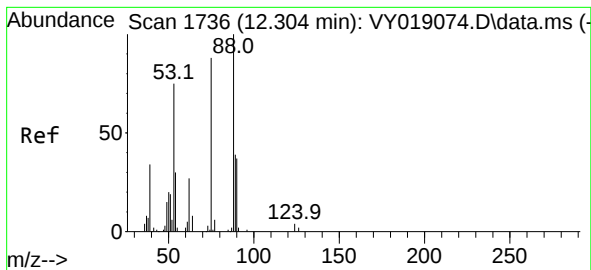
Tgt Ion: 75 Resp: 990

Ion Ratio Lower Upper

75 100

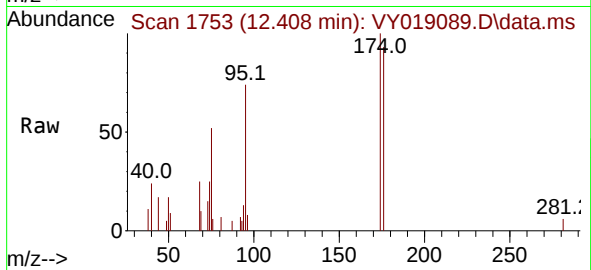
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 198.975 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019089.D
 Acq: 16 Aug 2024 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 990
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

