

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082224\
 Data File : VY019226.D
 Acq On : 22 Aug 2024 17:33
 Operator : SY/MD
 Sample : P3671-07
 Misc : 7.03g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 01:55:36 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)

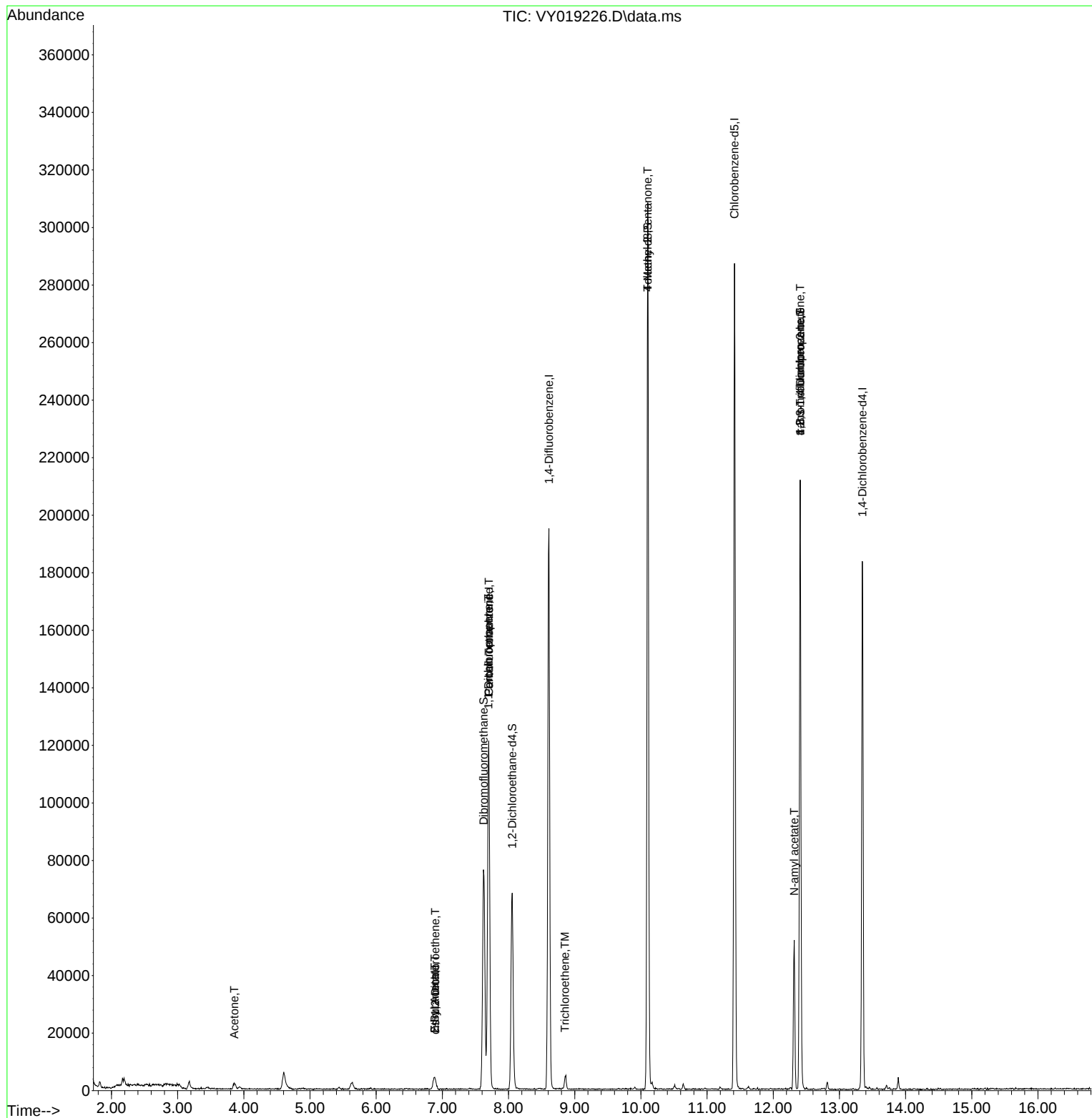
Internal Standards						
1) Pentafluorobenzene	7.701	168	93888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	167175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	153261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	46673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	54627	58.043	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.080%	
35) Dibromofluoromethane	7.622	113	54916	50.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.480%	
50) Toluene-d8	10.103	98	189372	48.142	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.280%	
62) 4-Bromofluorobenzene	12.408	95	63020	46.996	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 94.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	34	Below Cal	#	3
6) Chloroethane	2.836	64	58	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	69	Below Cal	#	88
16) Acetone	3.854	43	3865	22.144	ug/l #	78
20) Methylene Chloride	4.610	84	4189	Below Cal		96
25) 2-Butanone	6.884	43	1062	3.778	ug/l #	69
27) cis-1,2-Dichloroethene	6.890	96	2790	2.266	ug/l	92
31) Cyclohexane	7.701	56	2157	Below Cal	#	61
36) 1,1-Dichloropropene	7.695	75	7082	4.718	ug/l #	49
37) Ethyl Acetate	6.884	43	1062	1.597	ug/l #	1
38) Carbon Tetrachloride	7.701	117	9251	5.318	ug/l #	14
44) Trichloroethene	8.853	130	1544	1.202	ug/l	88
51) 4-Methyl-2-Pentanone	10.103	43	1071	1.500	ug/l #	1
74) N-amyl acetate	12.316	43	2056	2.636	ug/l #	13
76) 1,2,3-Trichloropropane	12.408	75	34265	74.444	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	34265	183.851	ug/l #	16

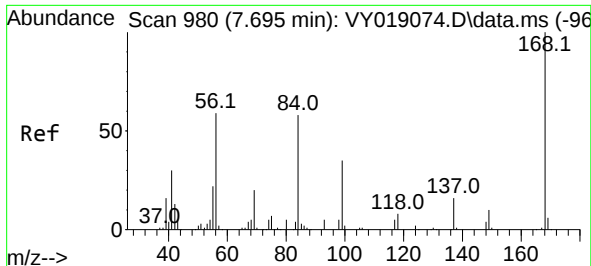
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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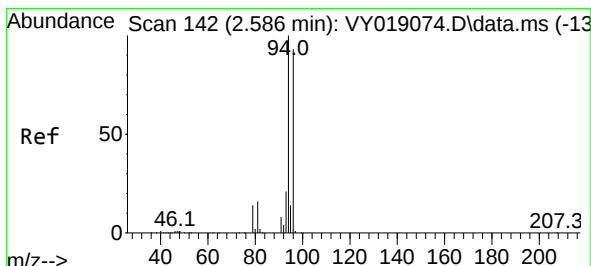
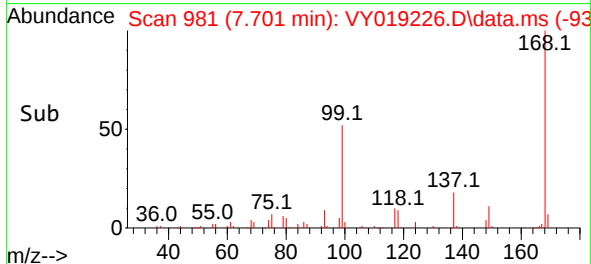
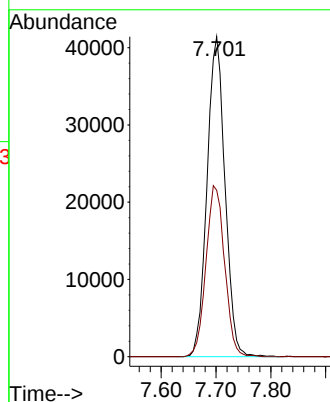
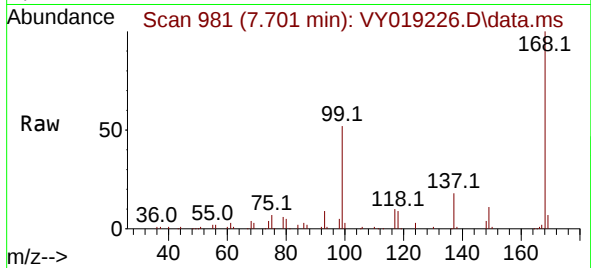




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

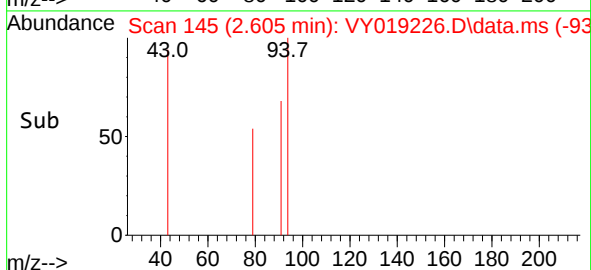
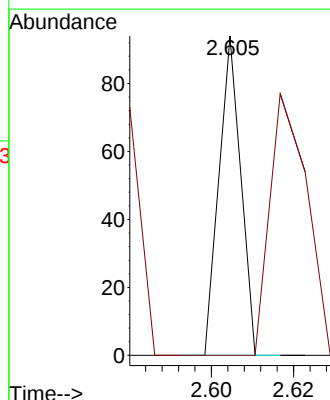
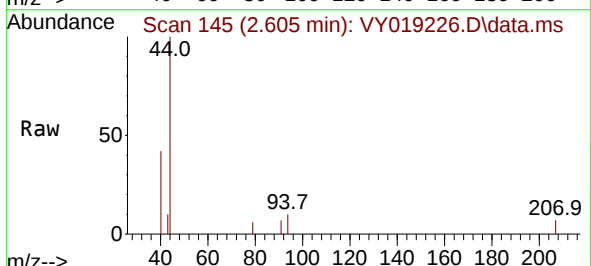
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 93888
Ion Ratio Lower Upper
168 100
99 52.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.605 min Scan# 145
Delta R.T. 0.019 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Tgt Ion: 94 Resp: 34
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 512

Delta R.T. -0.000 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

Instrument :

MSVOA_Y

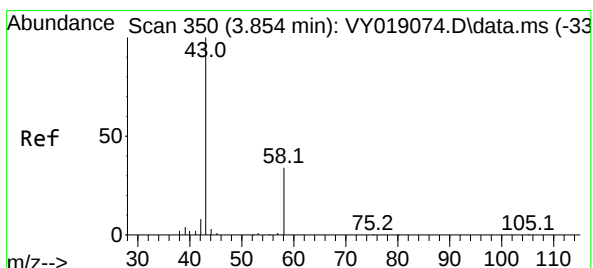
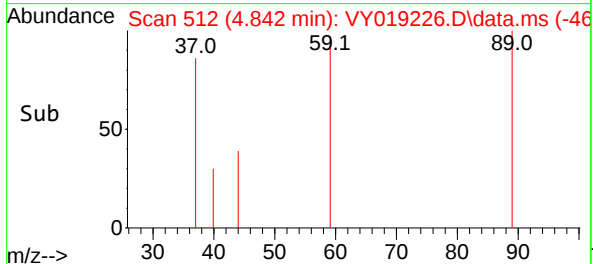
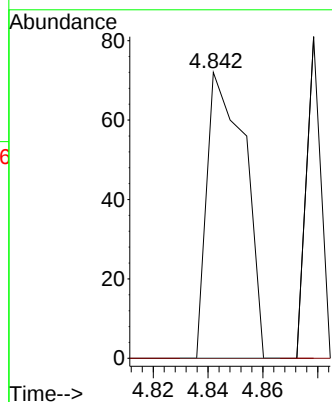
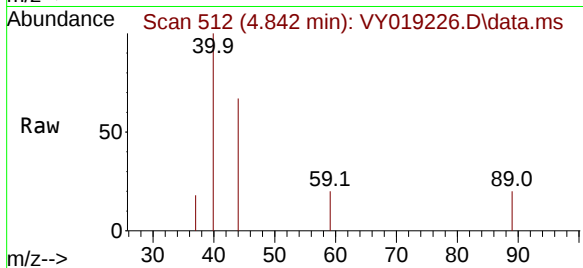
ClientSampleId :

Tgt Ion: 59 Resp: 69

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 22.144 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019226.D

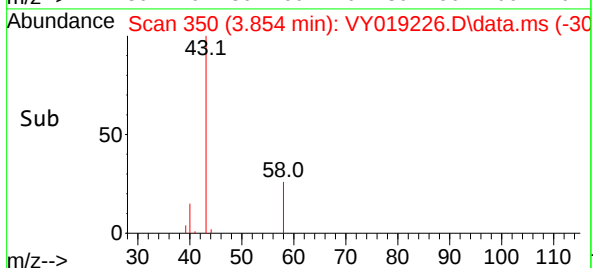
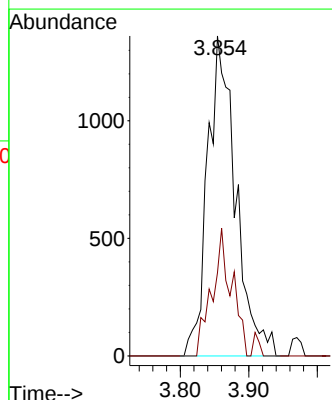
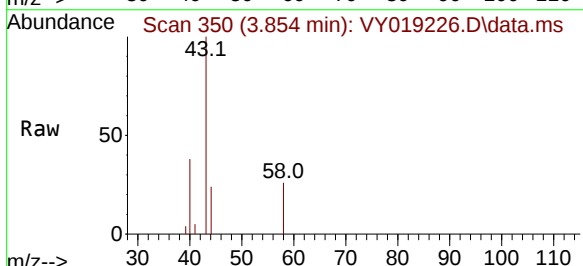
Acq: 22 Aug 2024 17:33

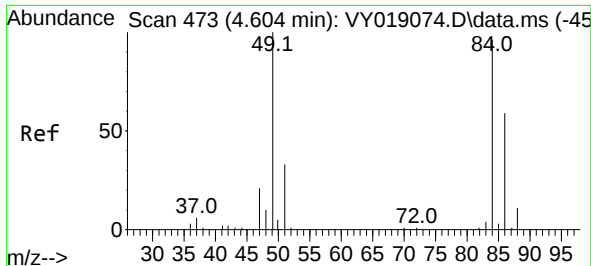
Tgt Ion: 43 Resp: 3865

Ion Ratio Lower Upper

43 100

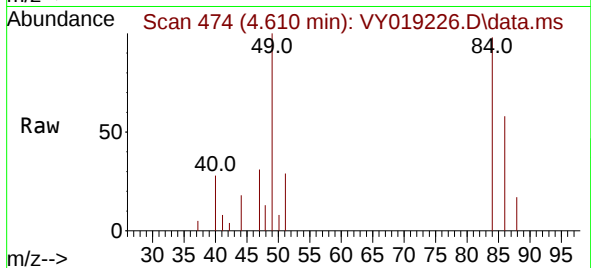
58 26.0 31.7 47.5#



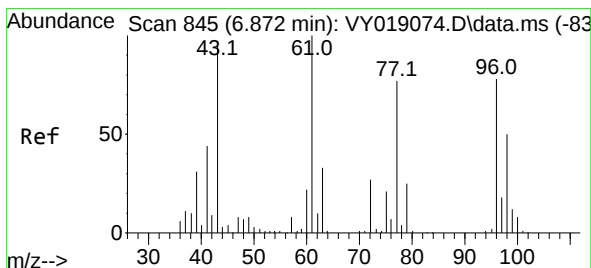
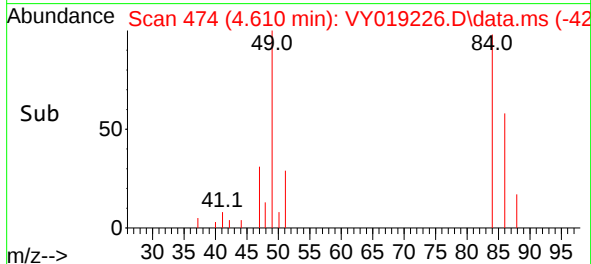
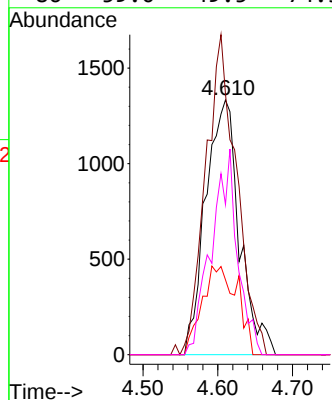


#20
Methylene Chloride
Concen: Below Cal
RT: 4.610 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

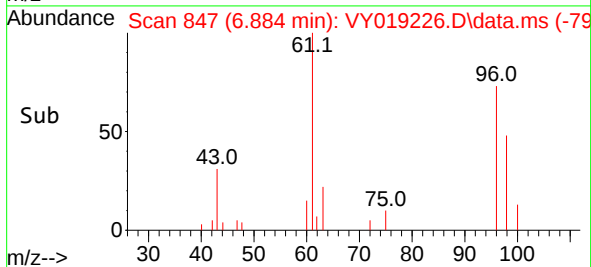
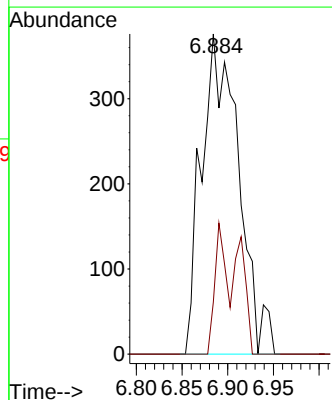
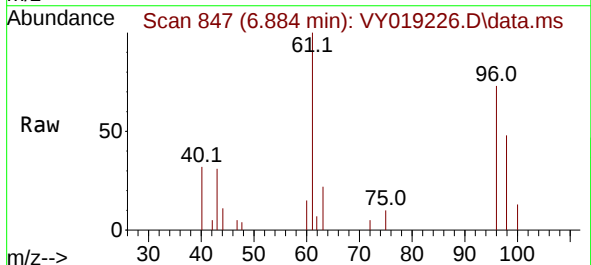


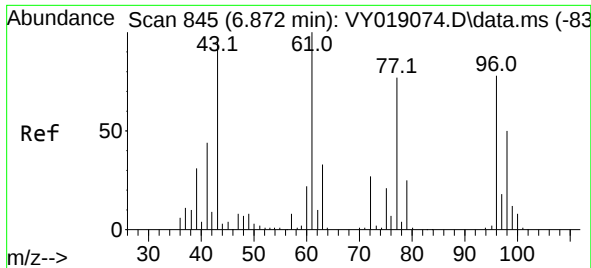
Tgt Ion:	84	Resp:	4189
Ion	Ratio	Lower	Upper
84	100		
49	102.3	84.4	126.6
51	29.4	26.0	39.0
86	59.0	49.5	74.3



#25
2-Butanone
Concen: 3.778 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.013 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Tgt Ion:	43	Resp:	1062
Ion	Ratio	Lower	Upper
43	100		
72	16.2	27.3	40.9#





#27

cis-1,2-Dichloroethene

Concen: 2.266 ug/l

RT: 6.890 min Scan# 845

Delta R.T. 0.019 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

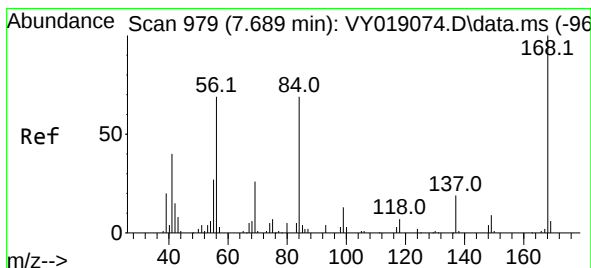
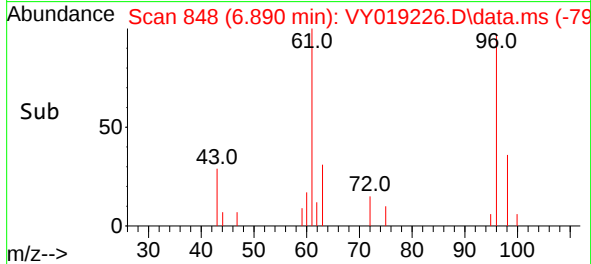
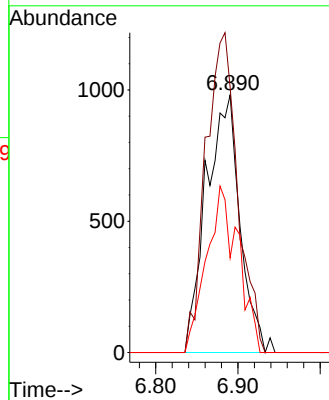
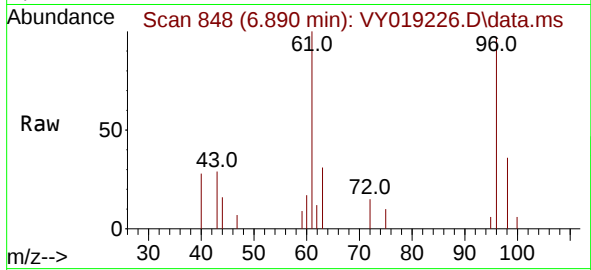
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 96 Resp: 2790

Ion	Ratio	Lower	Upper
96	100		
61	117.6	0.0	256.2
98	61.2	0.0	130.0



#31

Cyclohexane

Concen: Below Cal

RT: 7.701 min Scan# 981

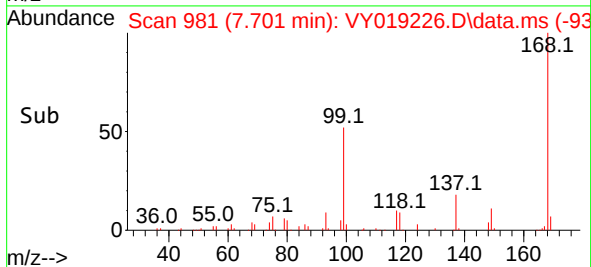
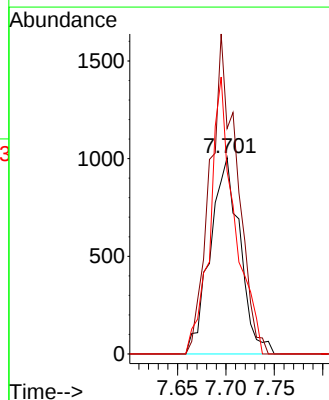
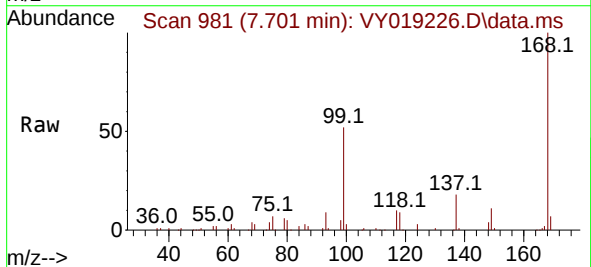
Delta R.T. 0.012 min

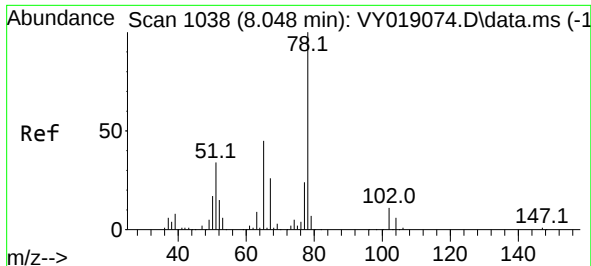
Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

Tgt Ion: 56 Resp: 2157

Ion	Ratio	Lower	Upper
56	100		
69	114.8	28.7	43.1#
84	93.0	77.7	116.5





#33

1,2-Dichloroethane-d4

Concen: 58.043 ug/l

RT: 8.055 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

Instrument :

MSVOA_Y

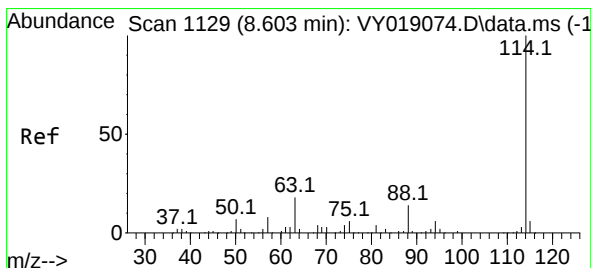
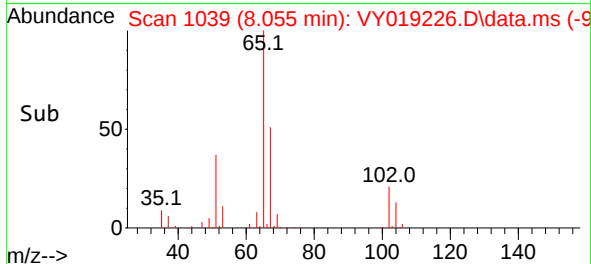
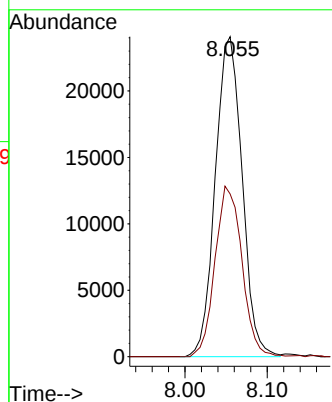
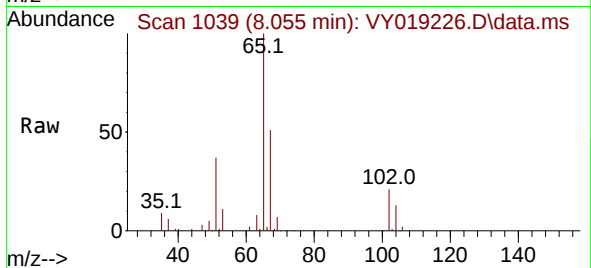
ClientSampleId :

Tgt Ion: 65 Resp: 54627

Ion Ratio Lower Upper

65 100

67 53.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

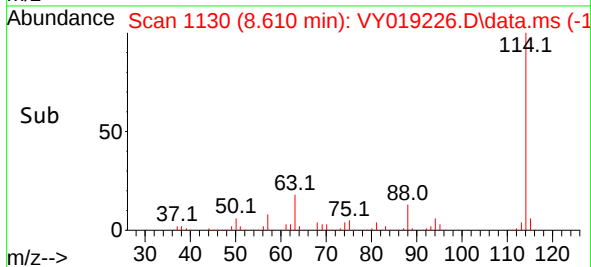
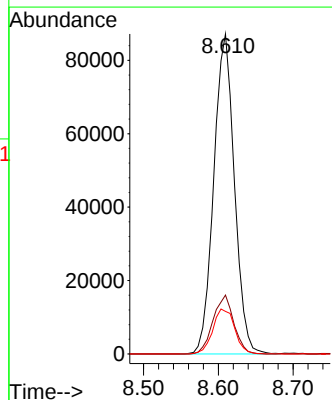
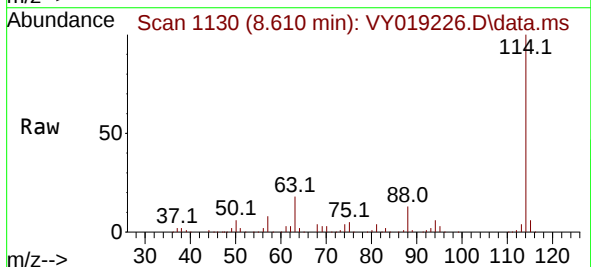
Tgt Ion:114 Resp: 167175

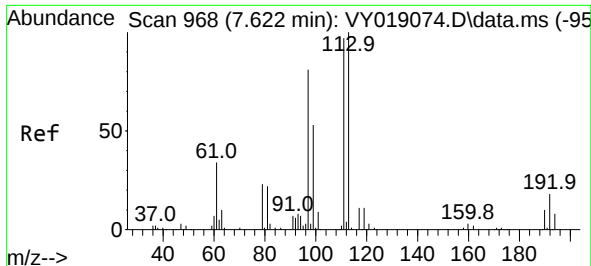
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

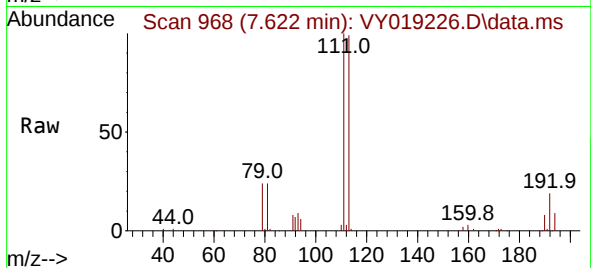
88 13.3 0.0 27.2



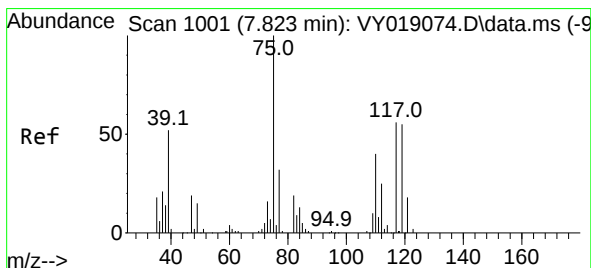
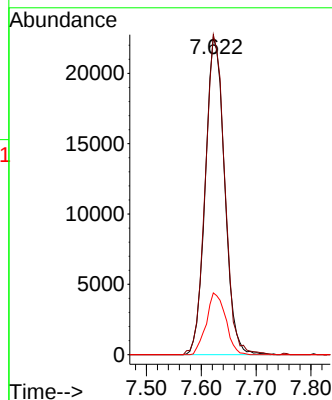
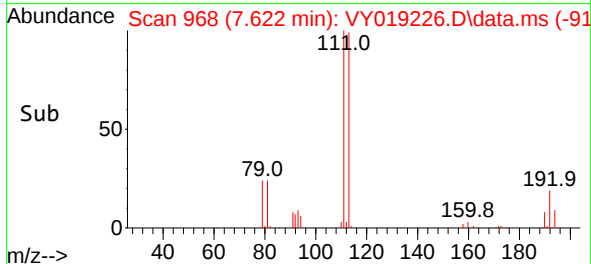


#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

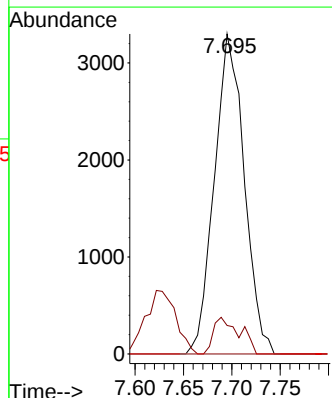
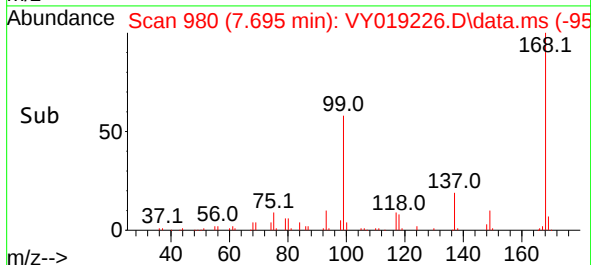
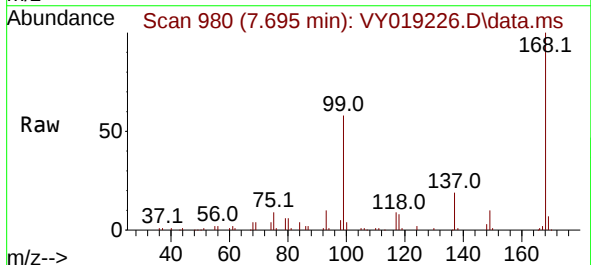


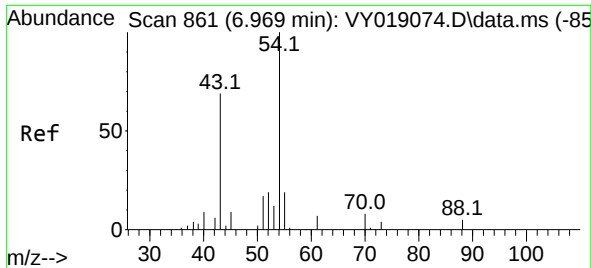
Tgt Ion:113 Resp: 54916
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 19.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.718 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Tgt Ion: 75 Resp: 7082
Ion Ratio Lower Upper
75 100
110 10.0 19.0 57.0#
77 0.0 25.3 37.9#

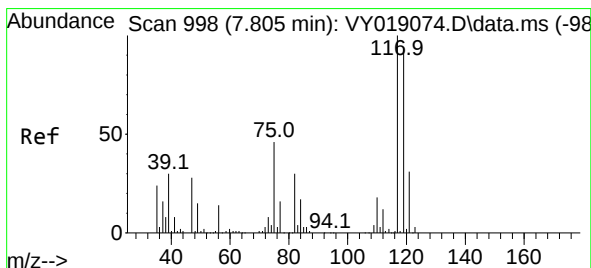
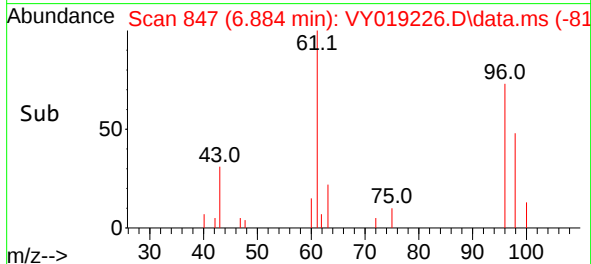
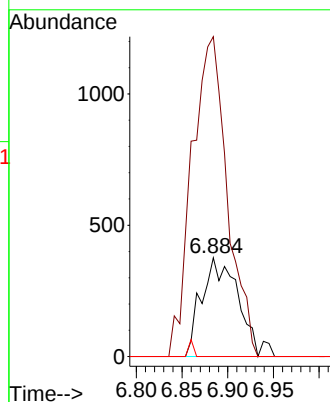
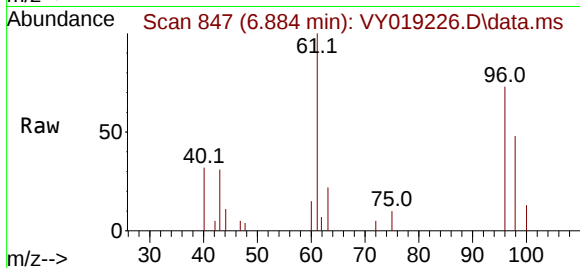




#37
Ethyl Acetate
Concen: 1.597 ug/l
RT: 6.884 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

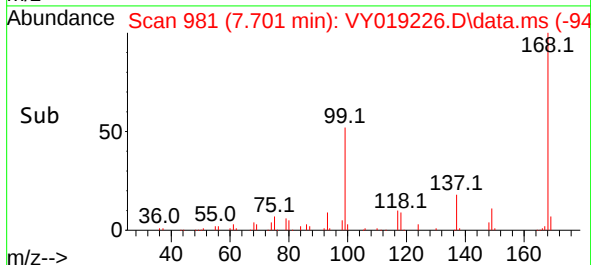
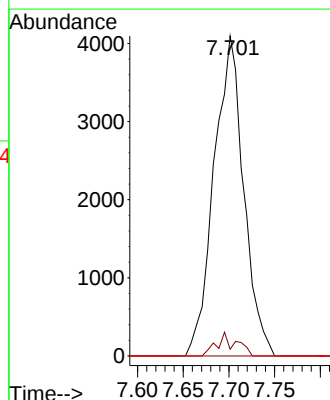
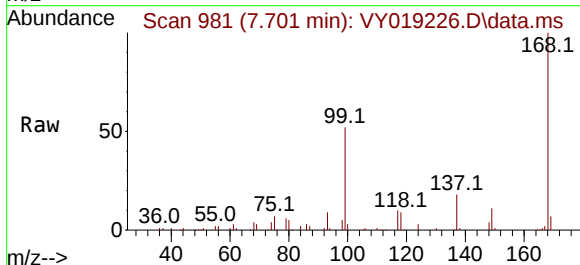
Instrument :
MSVOA_Y
ClientSampleId :

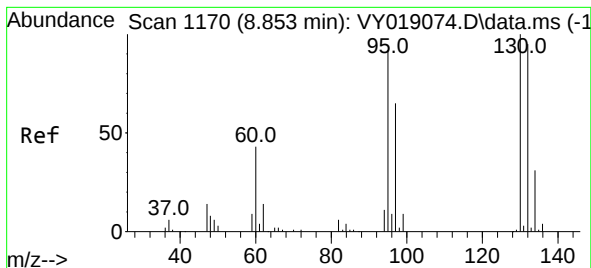
Tgt Ion: 43 Resp: 1062
Ion Ratio Lower Upper
43 100
61 308.9 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.318 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.103 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Tgt Ion: 117 Resp: 9251
Ion Ratio Lower Upper
117 100
119 2.1 75.8 113.6#
121 0.0 24.0 36.0#





#44

Trichloroethene

Concen: 1.202 ug/l

RT: 8.853 min Scan# 1170

Delta R.T. 0.000 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

Instrument :

MSVOA_Y

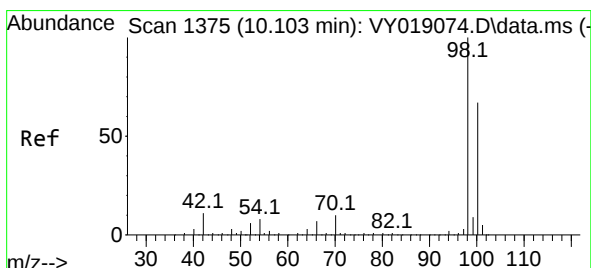
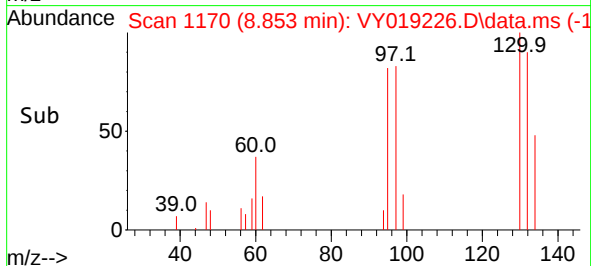
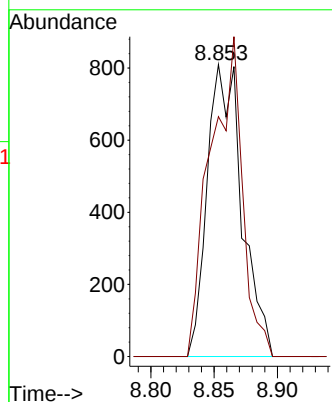
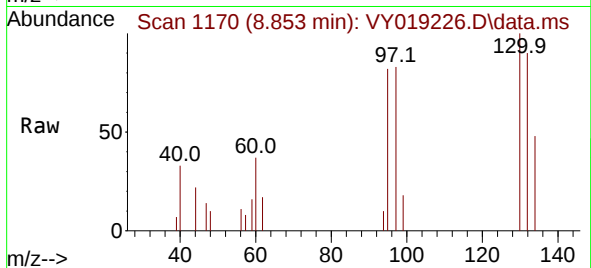
ClientSampleId :

Tgt Ion:130 Resp: 1544

Ion Ratio Lower Upper

130 100

95 82.1 0.0 188.0



#50

Toluene-d8

Concen: 48.142 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY019226.D

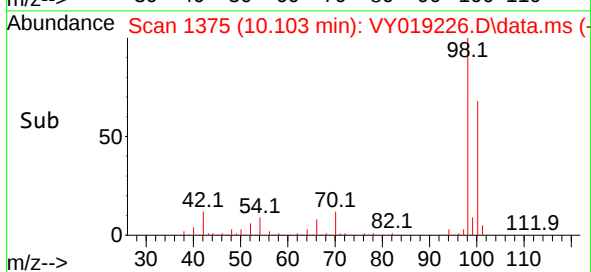
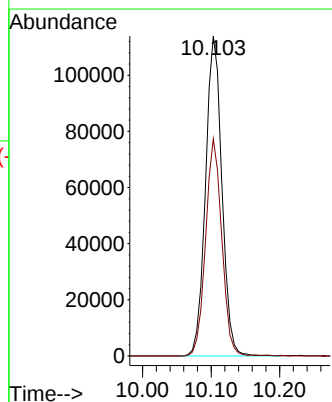
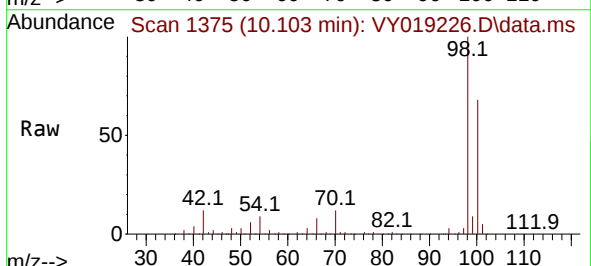
Acq: 22 Aug 2024 17:33

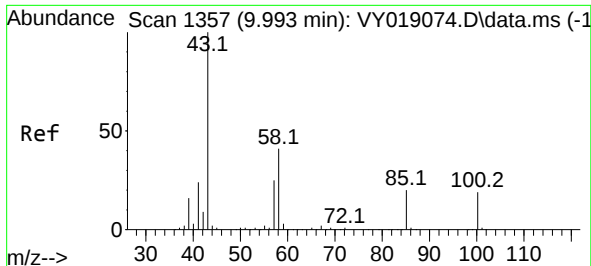
Tgt Ion: 98 Resp: 189372

Ion Ratio Lower Upper

98 100

100 67.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.500 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

Instrument :

MSVOA_Y

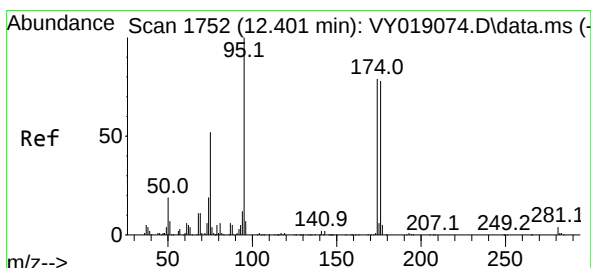
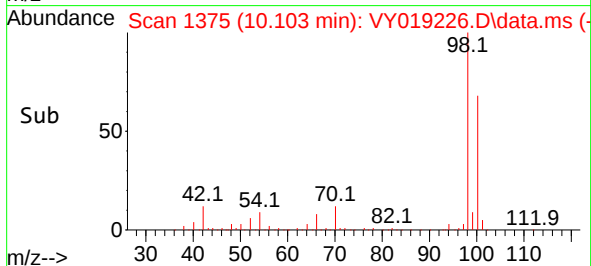
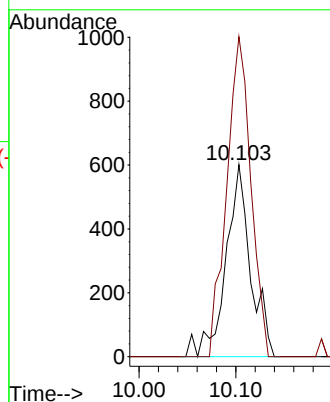
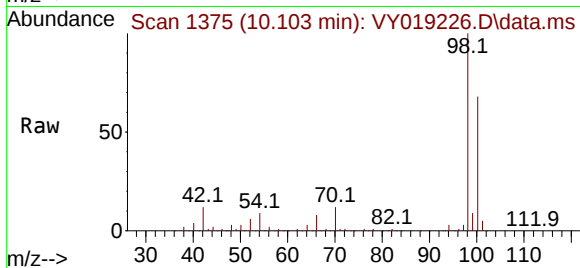
ClientSampleId :

Tgt Ion: 43 Resp: 1071

Ion Ratio Lower Upper

43 100

58 162.2 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 46.996 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019226.D

Acq: 22 Aug 2024 17:33

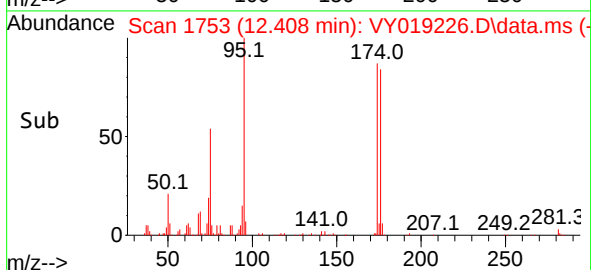
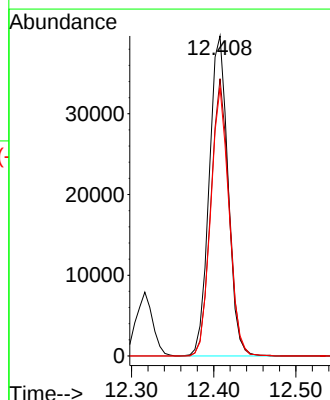
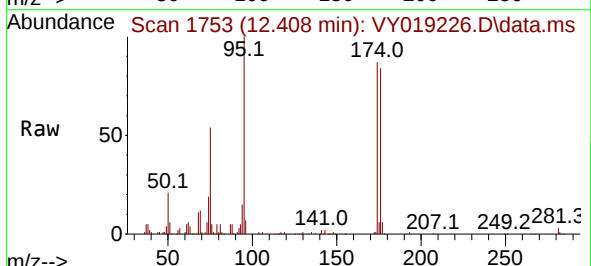
Tgt Ion: 95 Resp: 63020

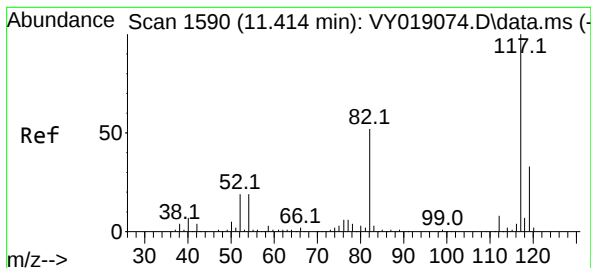
Ion Ratio Lower Upper

95 100

174 84.0 0.0 175.6

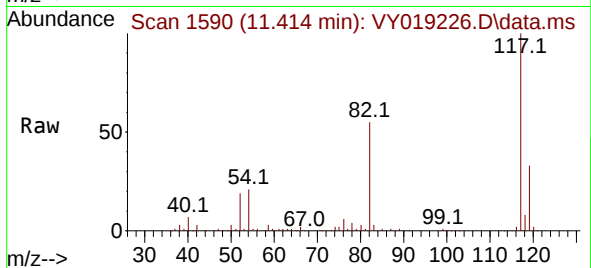
176 81.4 0.0 171.4



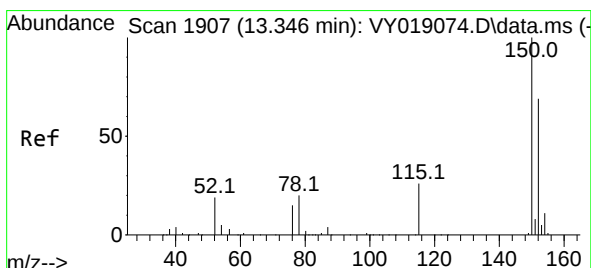
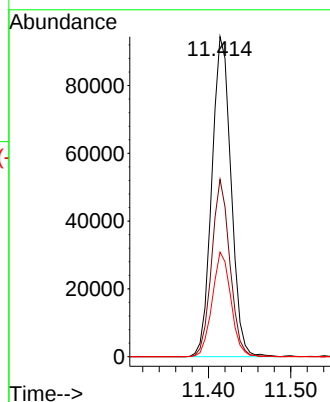
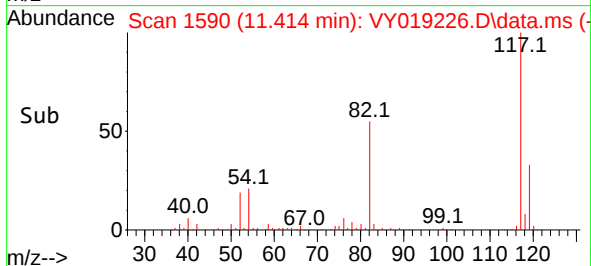


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Instrument :
MSVOA_Y
ClientSampleId :

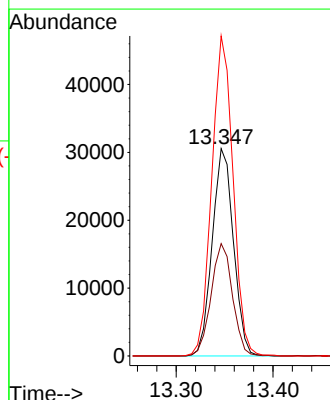
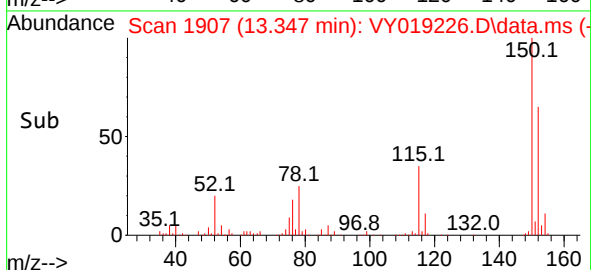
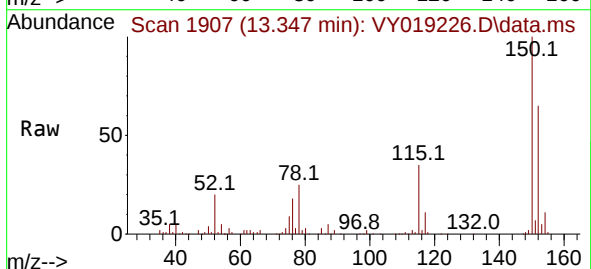


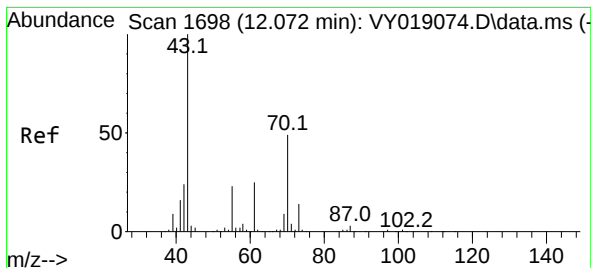
Tgt Ion:117 Resp: 153261
Ion Ratio Lower Upper
117 100
82 55.4 42.4 63.6
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

Tgt Ion:152 Resp: 46673
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 154.4 0.0 345.6

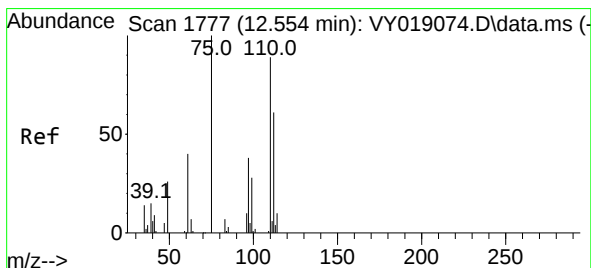
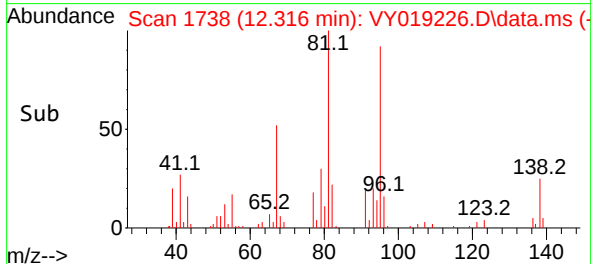
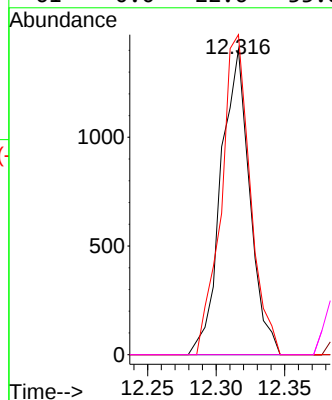
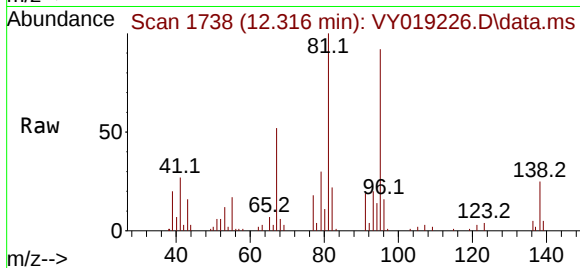




#74
N-amy1 acetate
Concen: 2.636 ug/l
RT: 12.316 min Scan# 1738
Delta R.T. 0.244 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

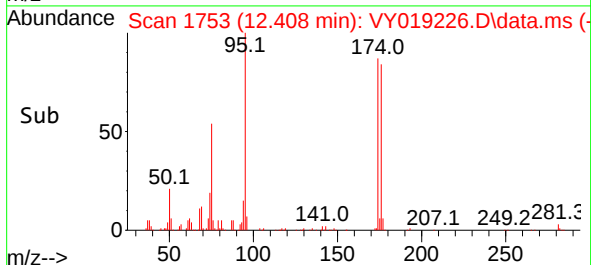
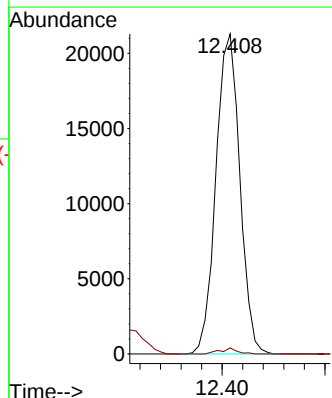
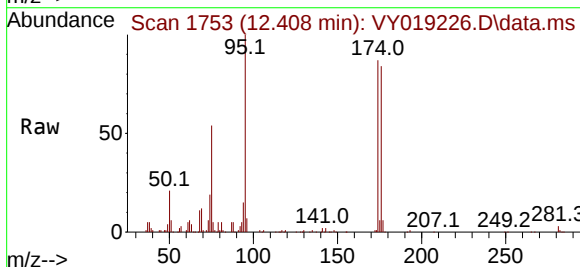
Instrument :
MSVOA_Y
ClientSampleId :

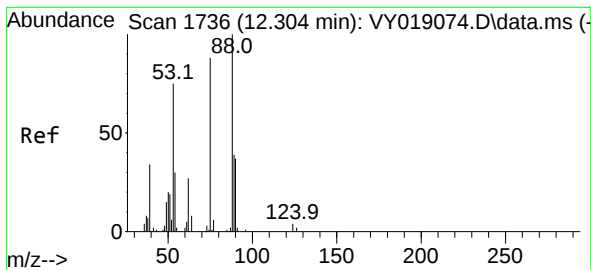
Tgt Ion: 43	Resp: 2056
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.2#
55 106.0	23.3 34.9#
61 0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 74.444 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019226.D
Acq: 22 Aug 2024 17:33

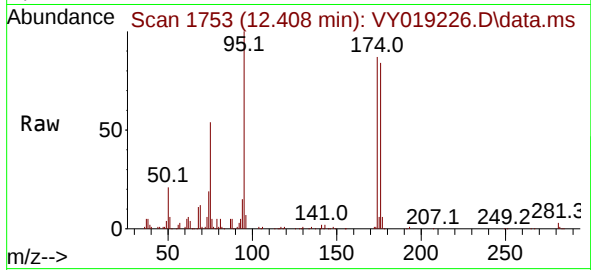
Tgt Ion: 75	Resp: 34265
Ion Ratio	Lower Upper
75 100	
77 1.3	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 183.851 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019226.D
 Acq: 22 Aug 2024 17:33

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	34265
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.1	35.8	53.6#

