

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081924\
 Data File : VY019128.D
 Acq On : 19 Aug 2024 19:51
 Operator : SY/MD
 Sample : P3641-04
 Misc : 6.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 01:50:21 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)

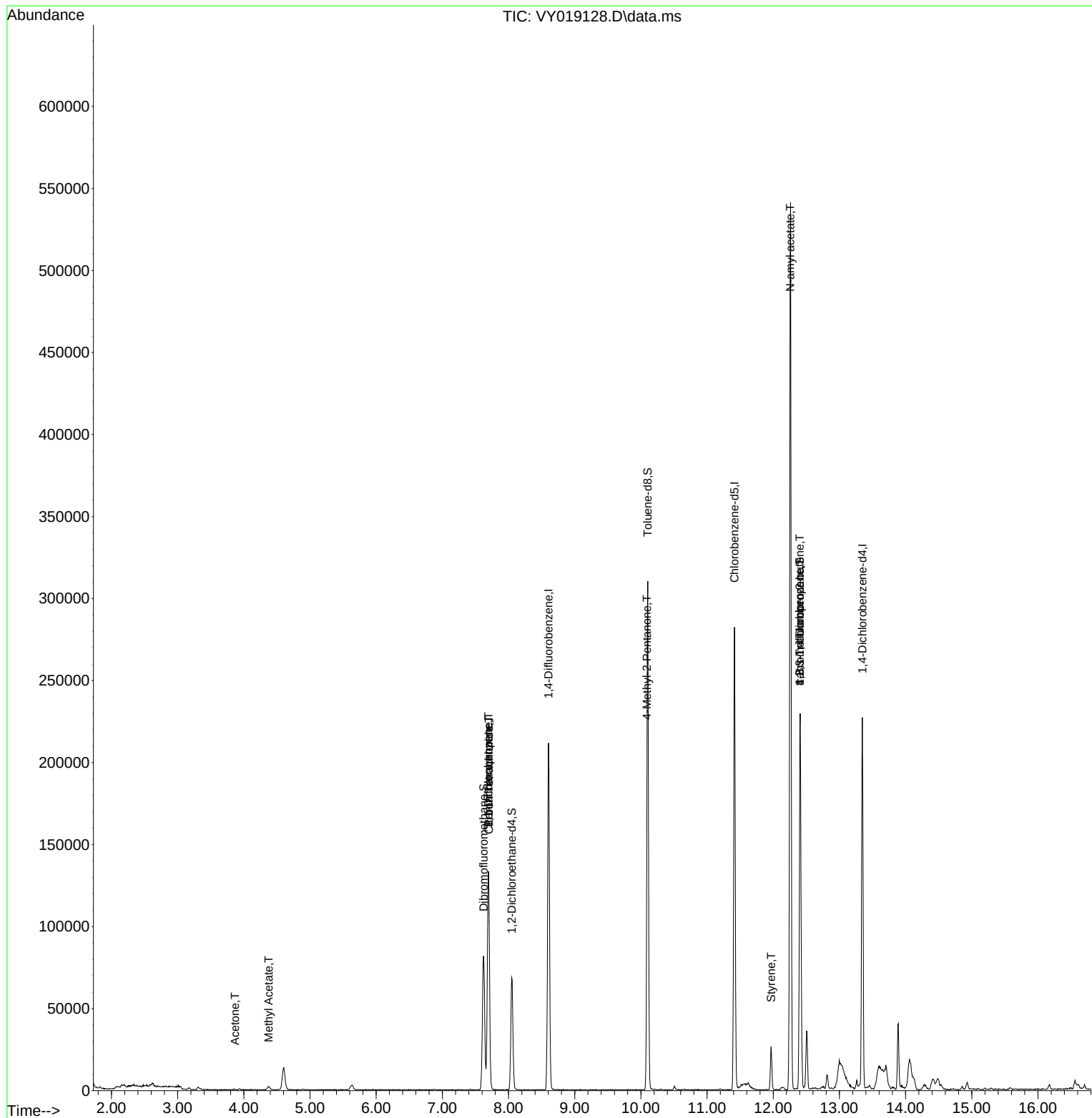
Internal Standards						
1) Pentafluorobenzene	7.695	168	104448	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	183151	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	150829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	55778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	52347	49.997	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.000%	
35) Dibromofluoromethane	7.622	113	57620	48.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.220%	
50) Toluene-d8	10.103	98	196825	45.672	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.340%	
62) 4-Bromofluorobenzene	12.402	95	61003	41.523	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 83.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.580	94	342	Below Cal	#	73
6) Chloroethane	2.696	64	20	Below Cal	#	42
11) Tert butyl alcohol	4.854	59	61	Below Cal	#	88
16) Acetone	3.867	43	577	2.972	ug/l #	36
18) Methyl Acetate	4.373	43	3676	6.169	ug/l #	85
20) Methylene Chloride	4.604	84	10150	Below Cal		91
31) Cyclohexane	7.701	56	2297	Below Cal	#	45
36) 1,1-Dichloropropene	7.695	75	7865	4.783	ug/l #	50
38) Carbon Tetrachloride	7.701	117	10634	5.580	ug/l #	17
51) 4-Methyl-2-Pentanone	10.091	43	950	1.215	ug/l #	1
70) Styrene	11.969	104	12237	3.240	ug/l	91
74) N-amyl acetate	12.255	43	9127	9.791	ug/l #	11
76) 1,2,3-Trichloropropane	12.402	75	32668	59.389	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	32668	146.670	ug/l #	16

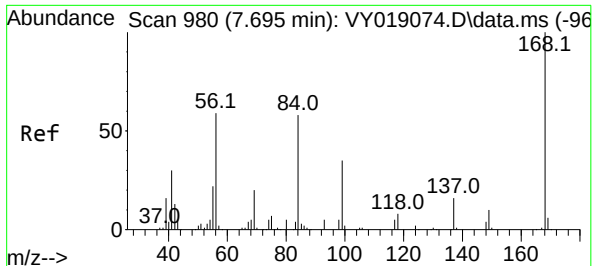
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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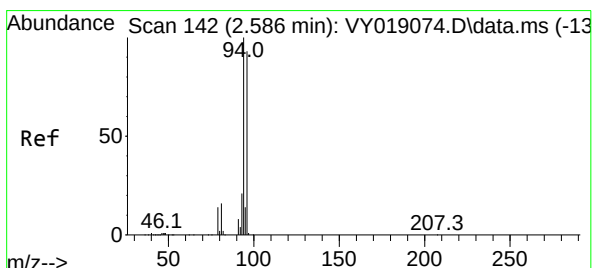
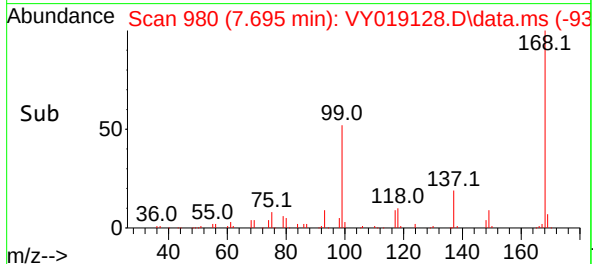
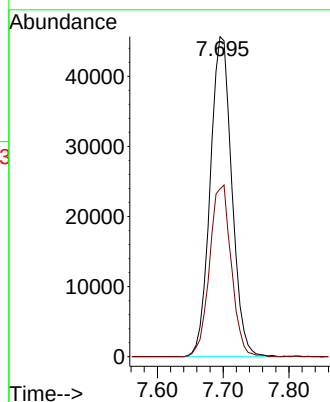
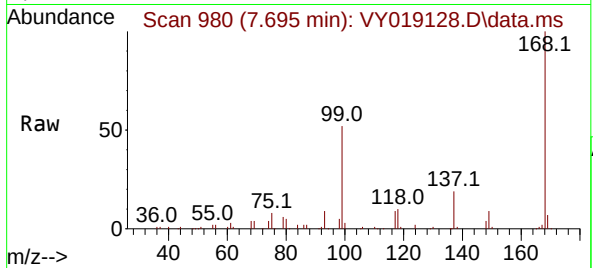




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

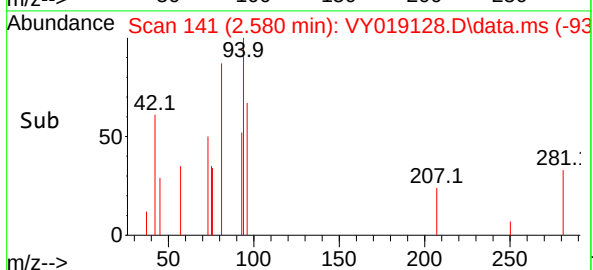
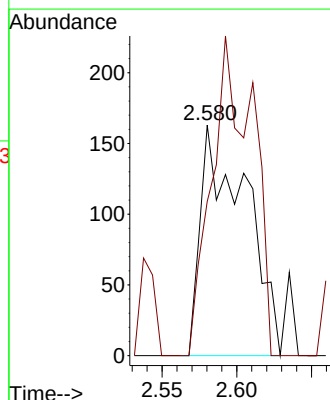
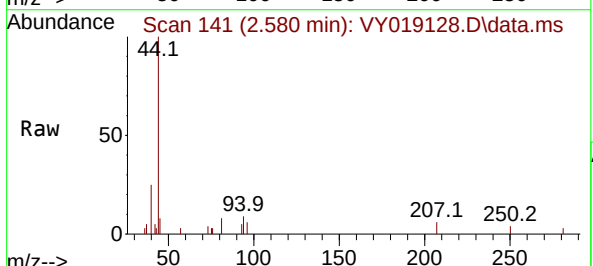
Instrument :
MSVOA_Y
ClientSampleId :

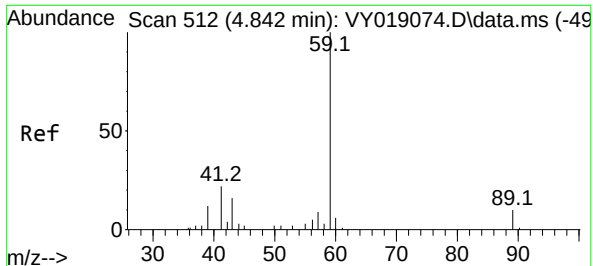
Tgt Ion:168 Resp: 104448
Ion Ratio Lower Upper
168 100
99 52.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.580 min Scan# 141
Delta R.T. -0.006 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

Tgt Ion: 94 Resp: 342
Ion Ratio Lower Upper
94 100
96 66.9 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

Instrument :

MSVOA_Y

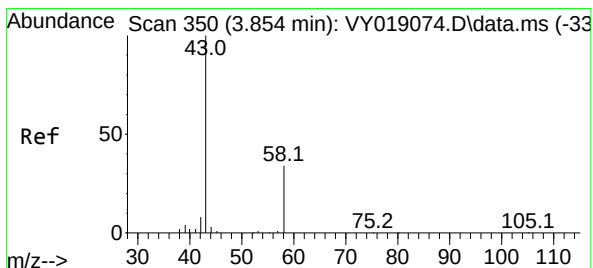
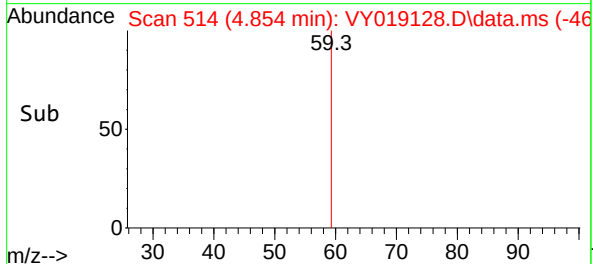
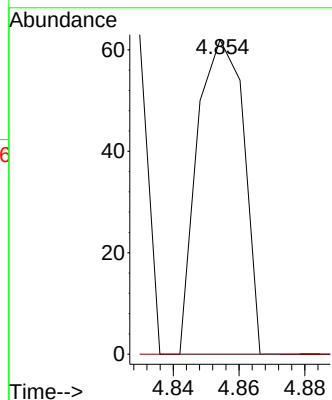
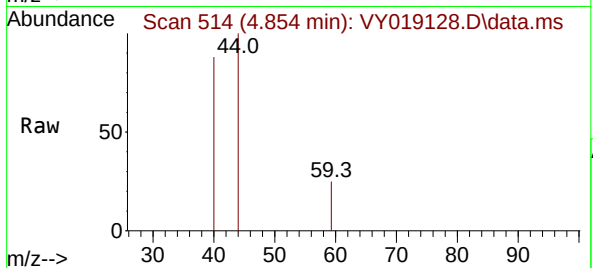
ClientSampleId :

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 2.972 ug/l

RT: 3.867 min Scan# 352

Delta R.T. 0.013 min

Lab File: VY019128.D

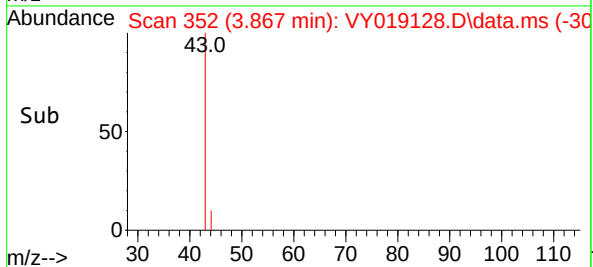
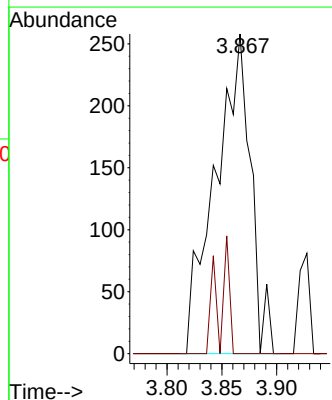
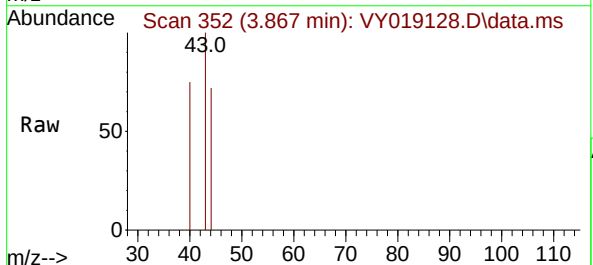
Acq: 19 Aug 2024 19:51

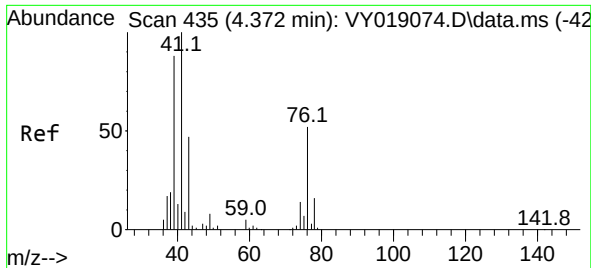
Tgt Ion: 43 Resp: 577

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#

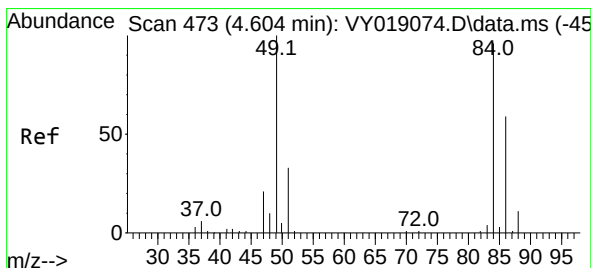
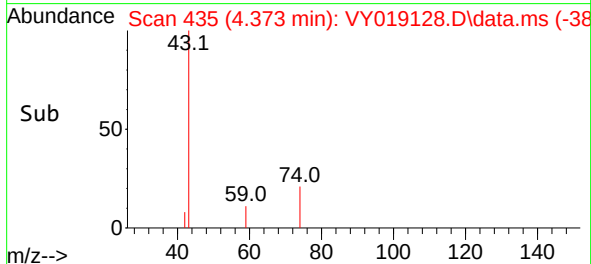
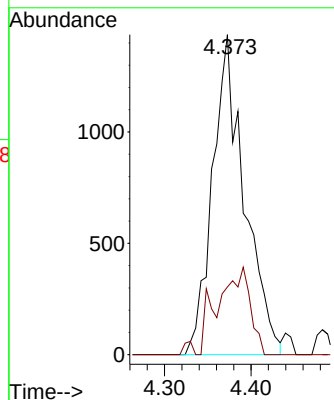
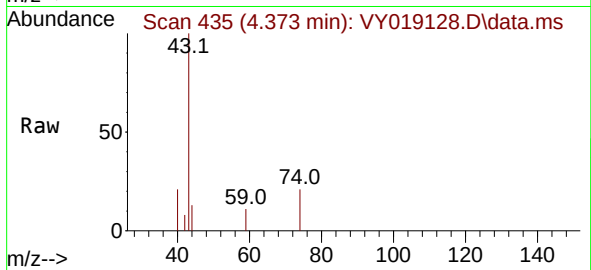




#18
Methyl Acetate
Concen: 6.169 ug/l
RT: 4.373 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

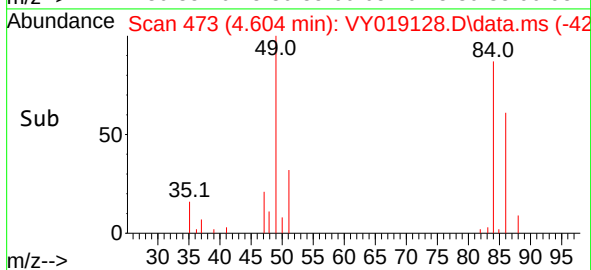
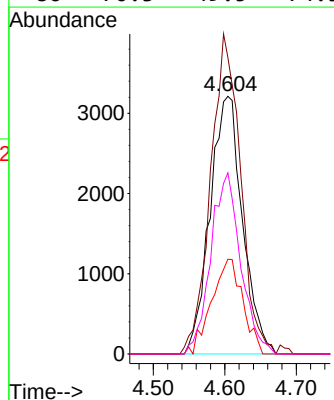
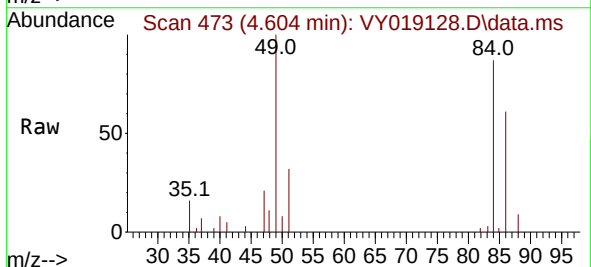
Instrument :
MSVOA_Y
ClientSampleId :

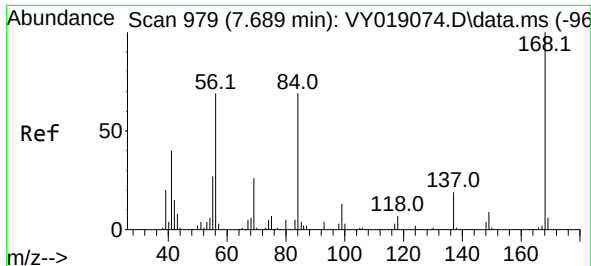
Tgt Ion: 43 Resp: 3676
Ion Ratio Lower Upper
43 100
74 20.9 23.3 34.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

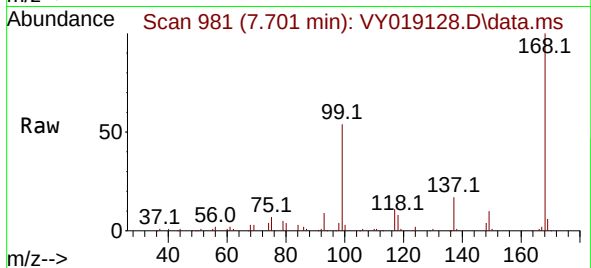
Tgt Ion: 84 Resp: 10150
Ion Ratio Lower Upper
84 100
49 115.0 84.4 126.6
51 36.7 26.0 39.0
86 70.3 49.5 74.3



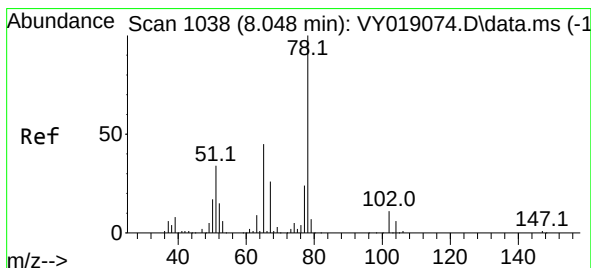
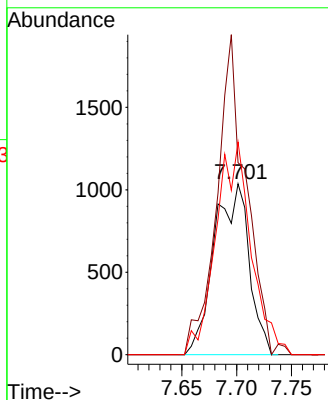
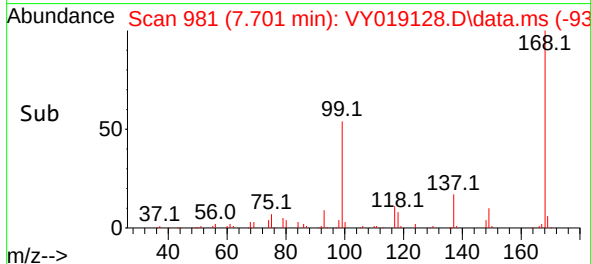


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

Instrument :
MSVOA_Y
ClientSampleId :

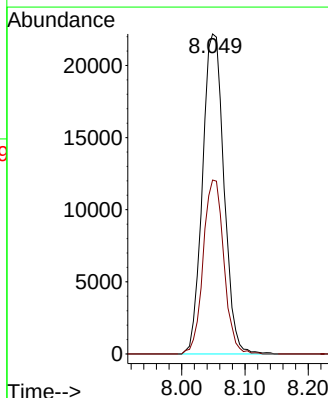
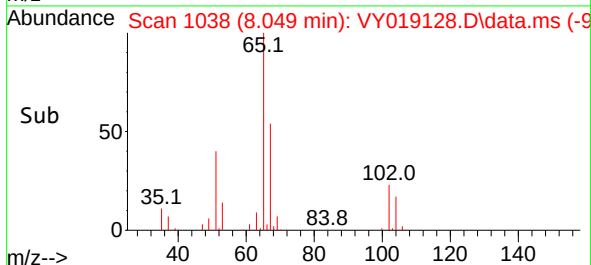
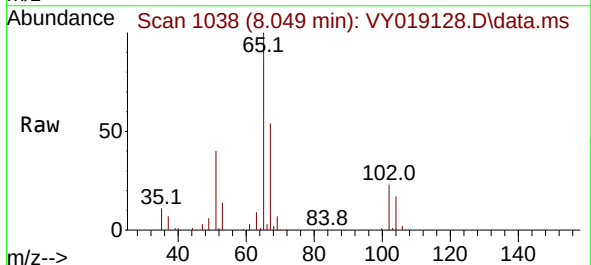


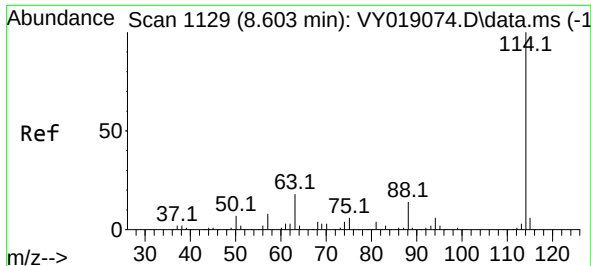
Tgt Ion: 56 Resp: 2297
Ion Ratio Lower Upper
56 100
69 112.3 28.7 43.1#
84 124.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 49.997 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

Tgt Ion: 65 Resp: 52347
Ion Ratio Lower Upper
65 100
67 52.4 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

Instrument :

MSVOA_Y

ClientSampleId :

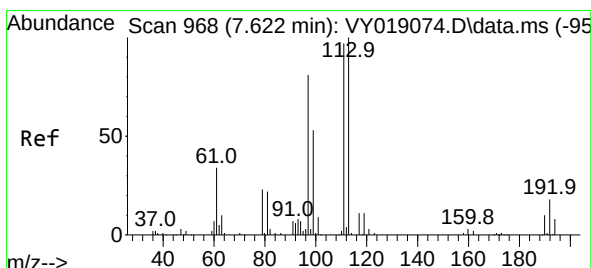
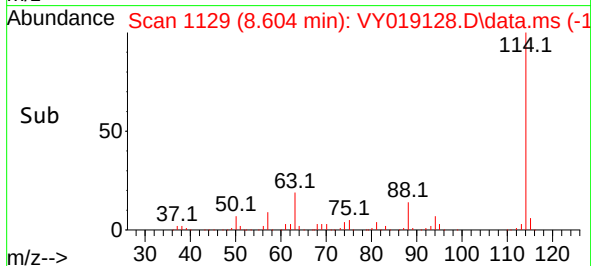
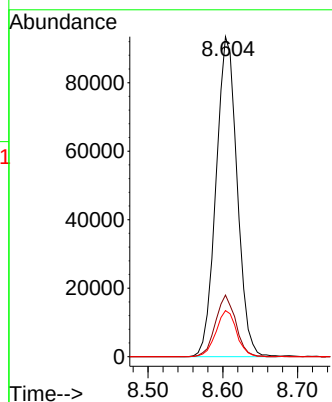
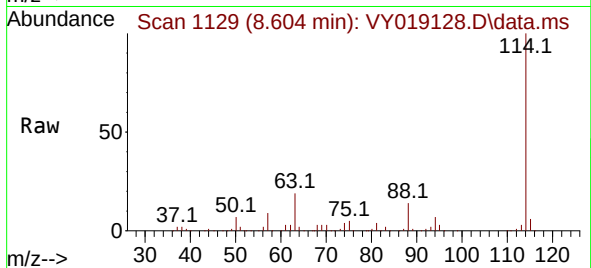
Tgt Ion:114 Resp: 183151

Ion Ratio Lower Upper

114 100

63 19.3 0.0 35.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.115 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

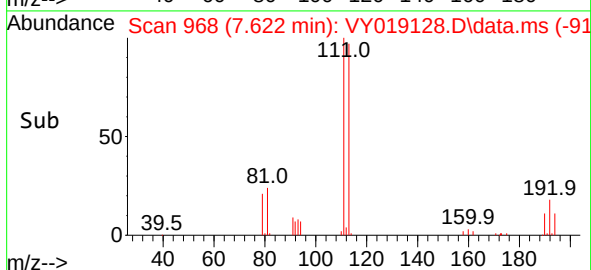
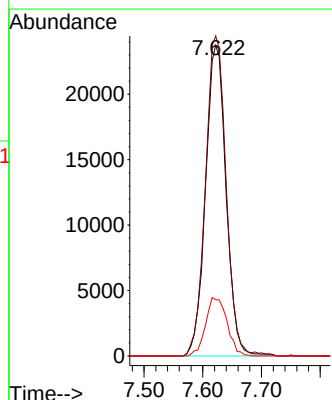
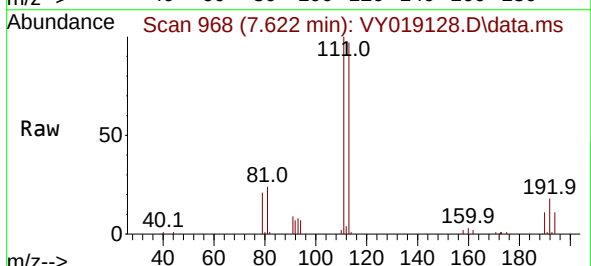
Tgt Ion:113 Resp: 57620

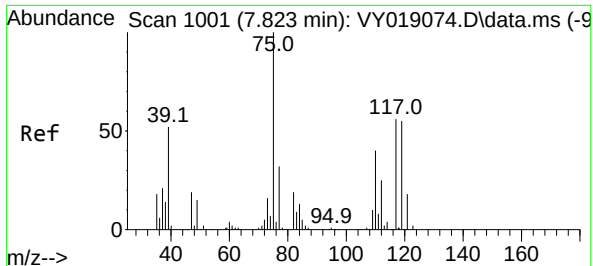
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 19.6 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.128 min

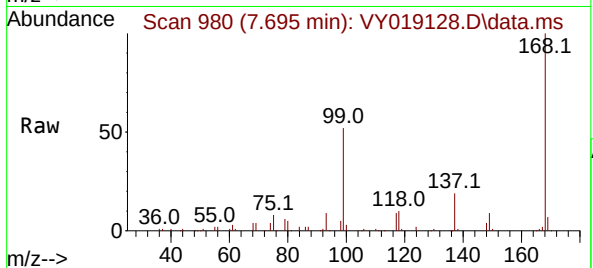
Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

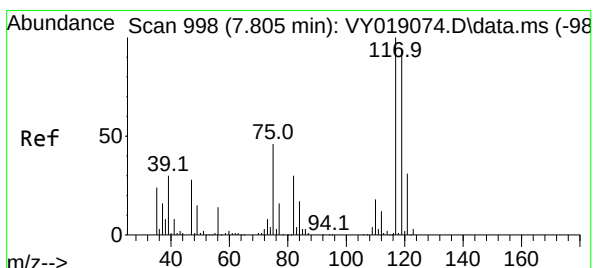
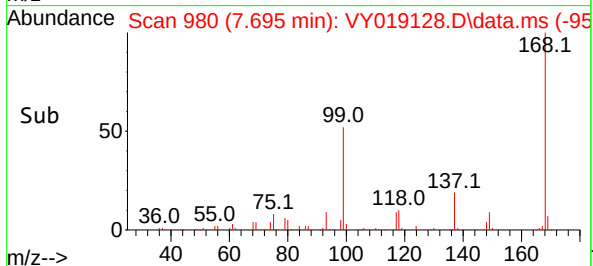
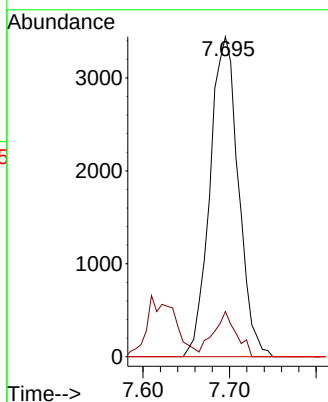
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 7865
Ion Ratio	Lower Upper
75	100
110	11.3 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.580 ug/l

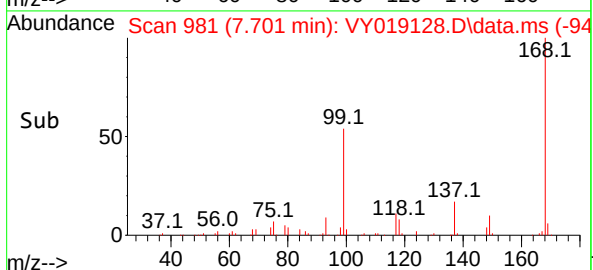
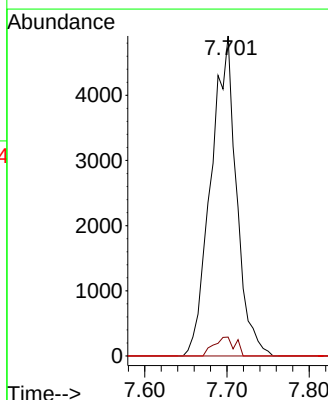
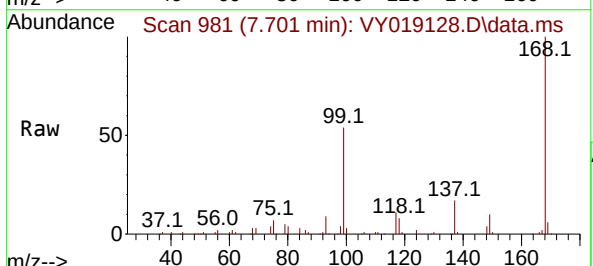
RT: 7.701 min Scan# 981

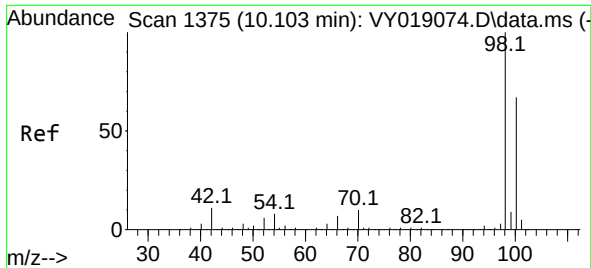
Delta R.T. -0.103 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

Tgt Ion: 117	Resp: 10634
Ion Ratio	Lower Upper
117	100
119	5.9 75.8 113.6#
121	0.0 24.0 36.0#

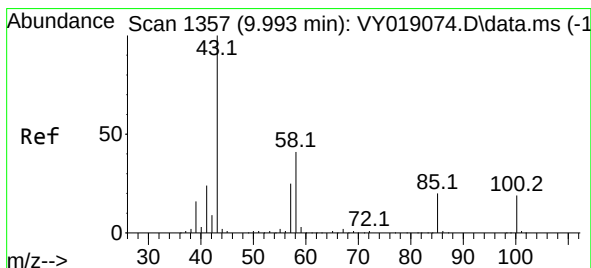
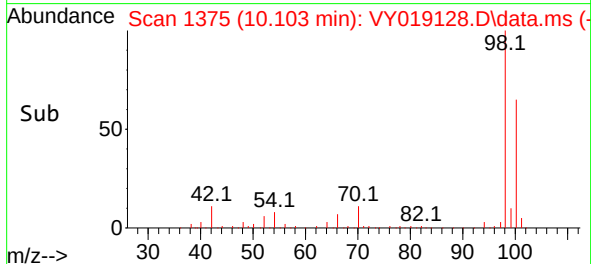
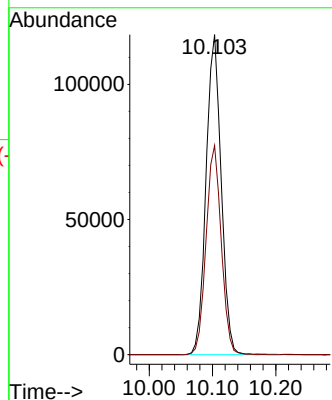
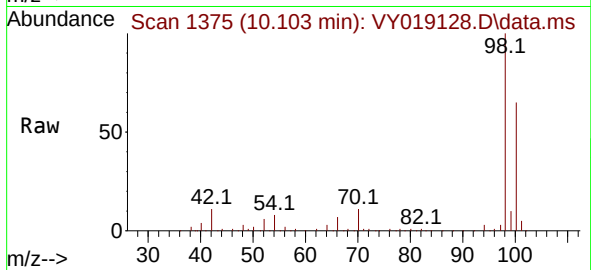




#50
Toluene-d8
Concen: 45.672 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

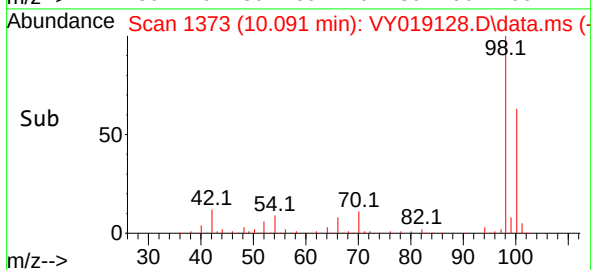
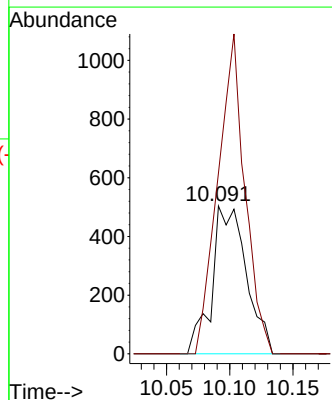
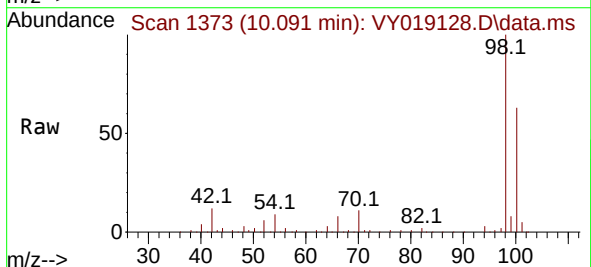
Instrument :
MSVOA_Y
ClientSampleId :

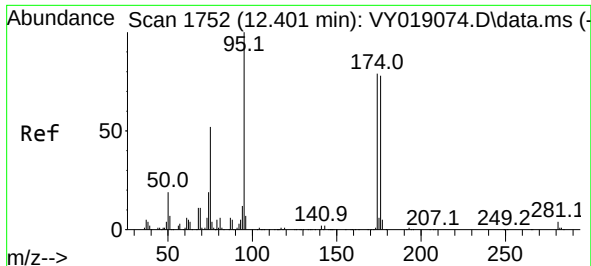
Tgt Ion: 98 Resp: 196825
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.215 ug/l
RT: 10.091 min Scan# 1373
Delta R.T. 0.098 min
Lab File: VY019128.D
Acq: 19 Aug 2024 19:51

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 171.2 35.7 53.5#





#62

4-Bromofluorobenzene

Concen: 41.523 ug/l

RT: 12.402 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

Instrument :

MSVOA_Y

ClientSampleId :

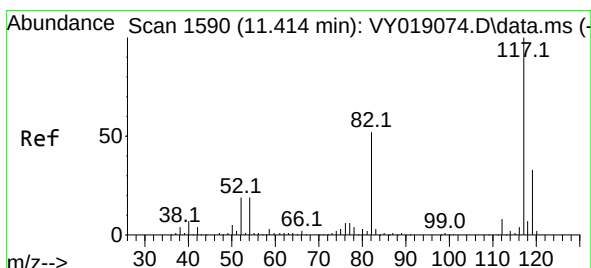
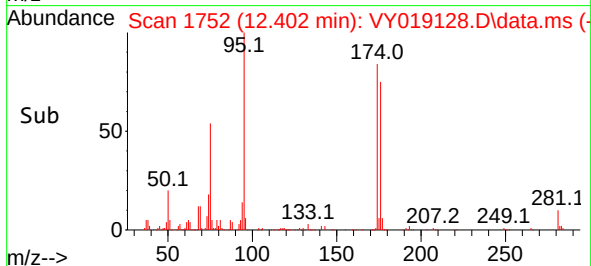
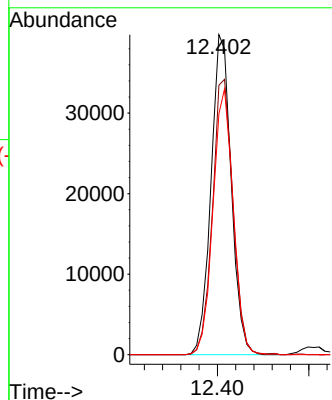
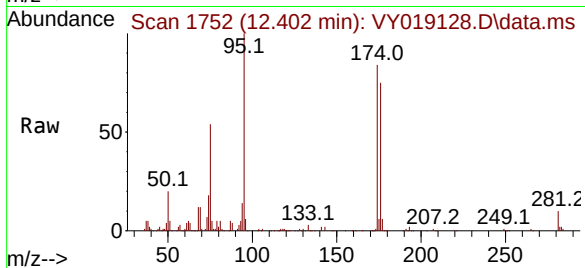
Tgt Ion: 95 Resp: 61003

Ion Ratio Lower Upper

95 100

174 87.1 0.0 175.6

176 83.3 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

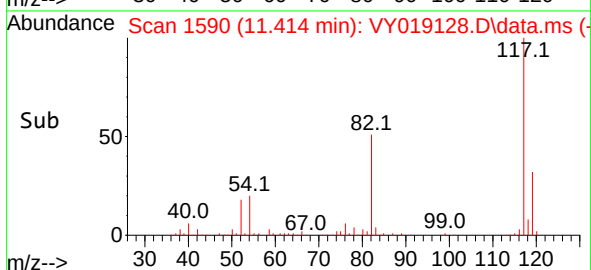
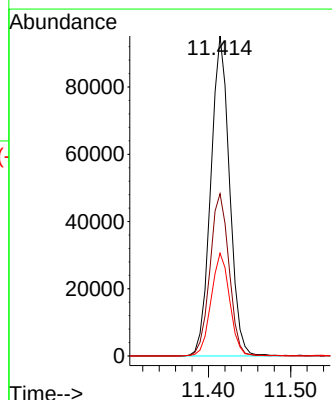
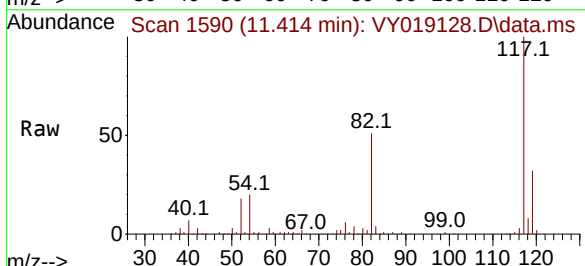
Tgt Ion: 117 Resp: 150829

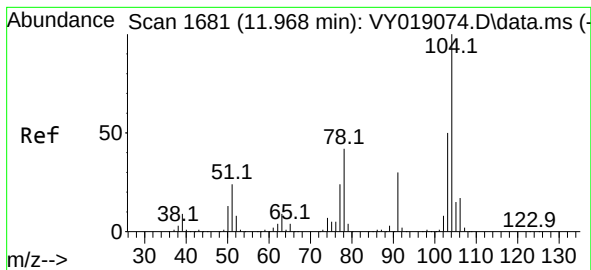
Ion Ratio Lower Upper

117 100

82 50.7 42.4 63.6

119 32.1 25.9 38.9





#70

Styrene

Concen: 3.240 ug/l

RT: 11.969 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

Instrument :

MSVOA_Y

ClientSampleId :

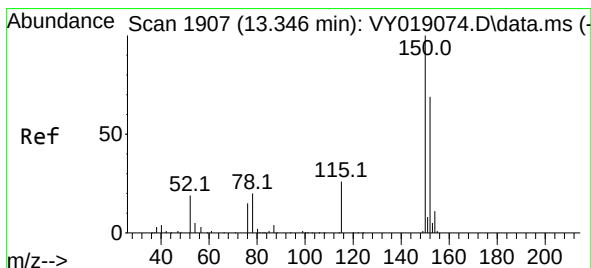
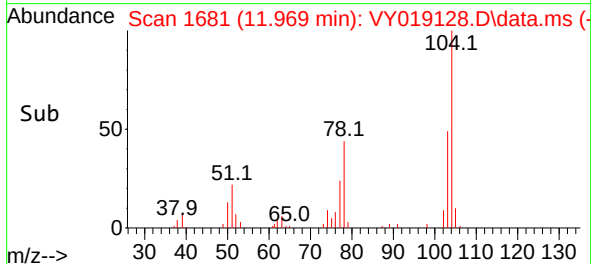
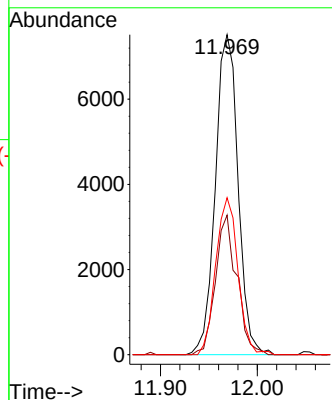
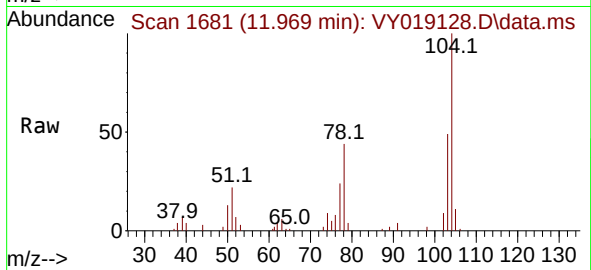
Tgt Ion:104 Resp: 12237

Ion Ratio Lower Upper

104 100

78 41.1 37.0 55.4

103 48.0 44.2 66.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

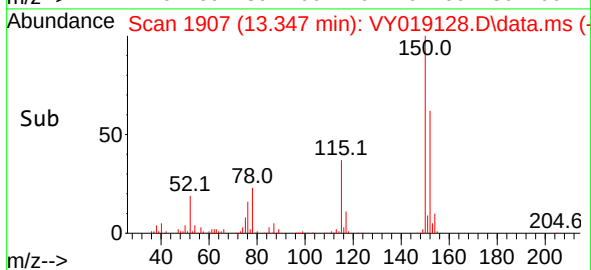
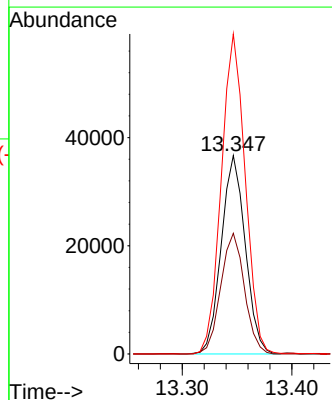
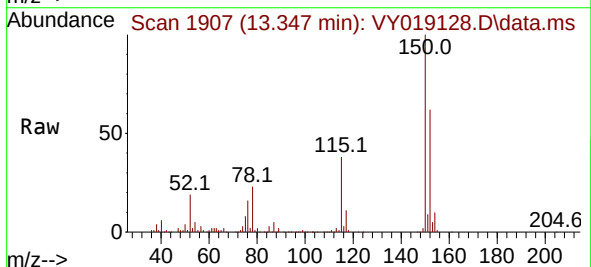
Tgt Ion:152 Resp: 55778

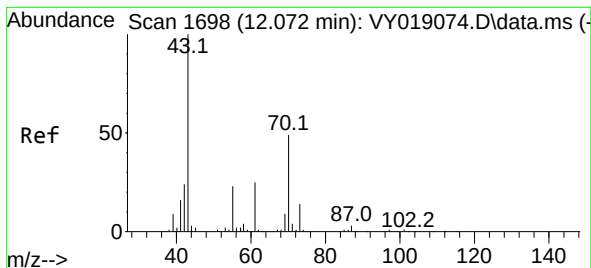
Ion Ratio Lower Upper

152 100

115 60.2 28.2 84.7

150 160.9 0.0 345.6





#74

N-amy1 acetate

Concen: 9.791 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. 0.183 min

Lab File: VY019128.D

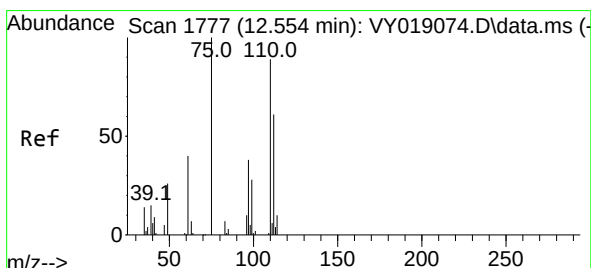
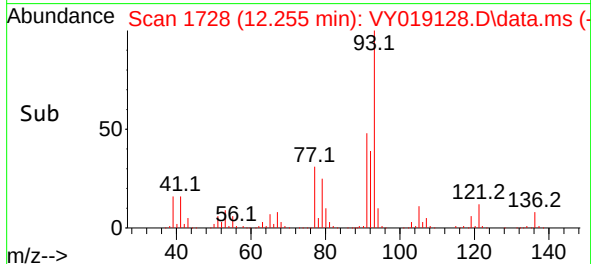
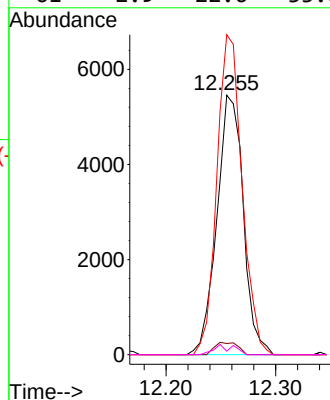
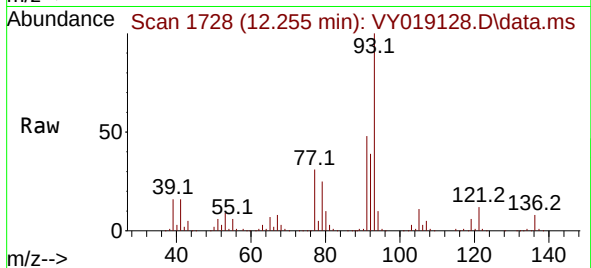
Acq: 19 Aug 2024 19:51

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43	Resp: 9127
Ion Ratio	Lower Upper
43 100	
70 4.1	41.4 62.2#
55 117.8	23.3 34.9#
61 2.9	22.6 33.8#



#76

1,2,3-Trichloropropane

Concen: 59.389 ug/l

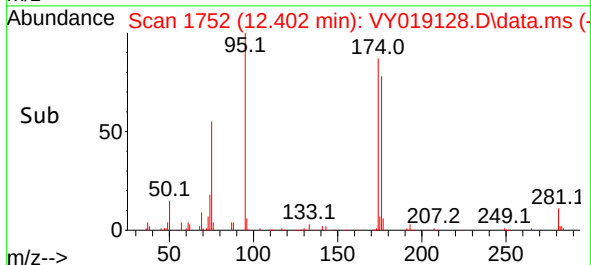
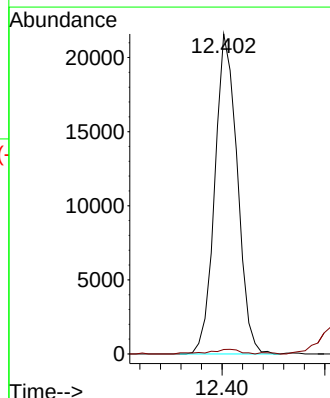
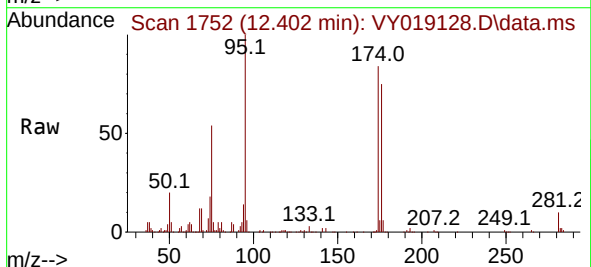
RT: 12.402 min Scan# 1752

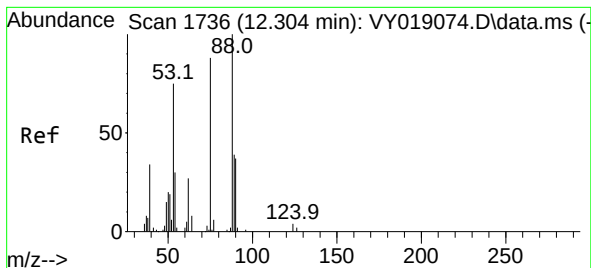
Delta R.T. -0.152 min

Lab File: VY019128.D

Acq: 19 Aug 2024 19:51

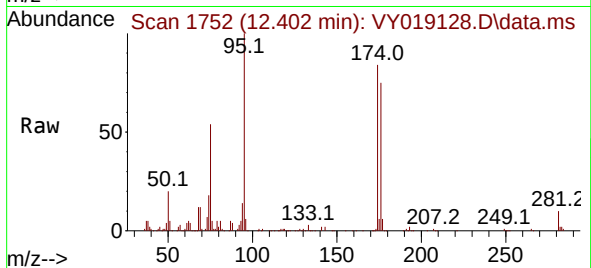
Tgt Ion: 75	Resp: 32668
Ion Ratio	Lower Upper
75 100	
77 0.0	0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.670 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019128.D
 Acq: 19 Aug 2024 19:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.6	35.8	53.6#

