

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081924\
 Data File : VY019129.D
 Acq On : 19 Aug 2024 20:16
 Operator : SY/MD
 Sample : P3641-05
 Misc : 6.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 20 01:50:44 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)

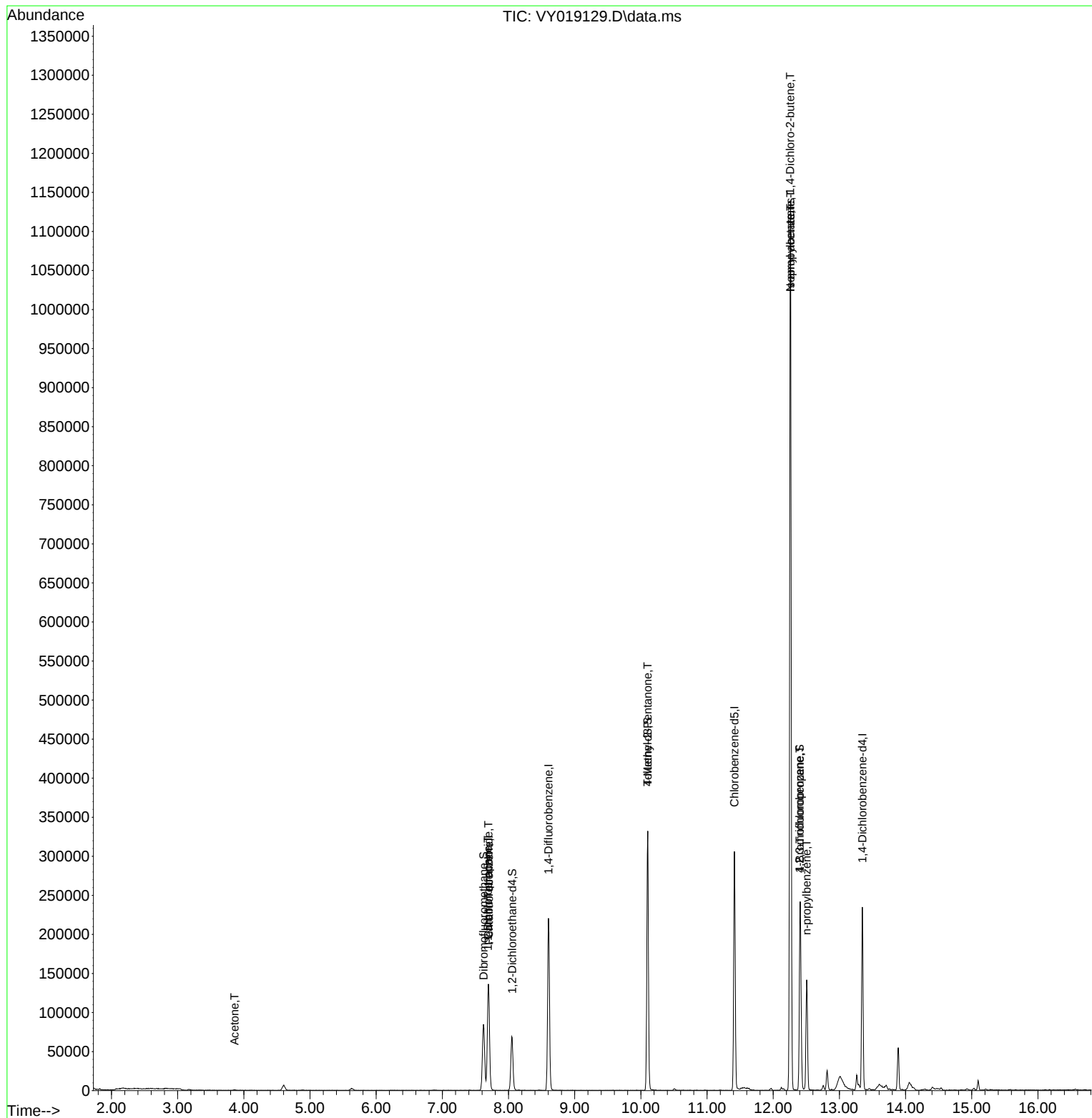
Internal Standards						
1) Pentafluorobenzene	7.701	168	106970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	188341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	160302	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	57802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	54514	50.839	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.680%	
35) Dibromofluoromethane	7.622	113	60617	49.223	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.440%	
50) Toluene-d8	10.103	98	211209	47.659	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.320%	
62) 4-Bromofluorobenzene	12.402	95	64521	42.708	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.420%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	155	Below Cal		95
6) Chloroethane	2.787	64	48	Below Cal	#	42
11) Tert butyl alcohol	4.860	59	23	Below Cal	#	88
16) Acetone	3.860	43	383	1.926	ug/l #	84
20) Methylene Chloride	4.598	84	4626	Below Cal		91
31) Cyclohexane	7.695	56	2310	Below Cal	#	37
36) 1,1-Dichloropropene	7.689	75	7715	4.562	ug/l #	48
38) Carbon Tetrachloride	7.695	117	11254	5.743	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	1038	1.291	ug/l #	1
73) Isopropylbenzene	12.261	105	44939	10.144	ug/l #	62
74) N-amyl acetate	12.261	43	18188	18.827	ug/l #	9
76) 1,2,3-Trichloropropane	12.402	75	35345	62.005	ug/l #	100
78) n-propylbenzene	12.505	91	15582	2.942	ug/l #	57
81) trans-1,4-Dichloro-2-b...	12.255	75	1834	7.946	ug/l #	1

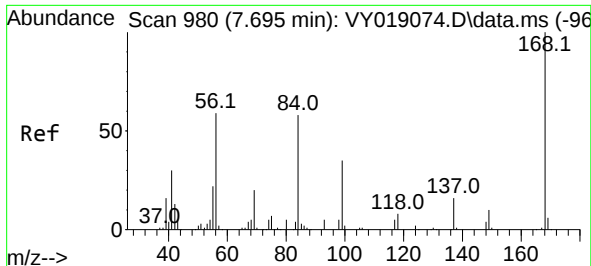
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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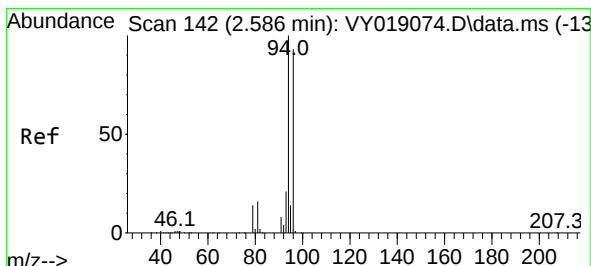
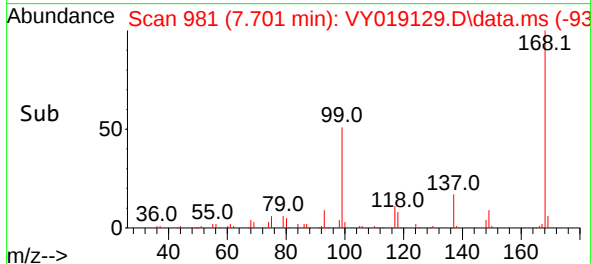
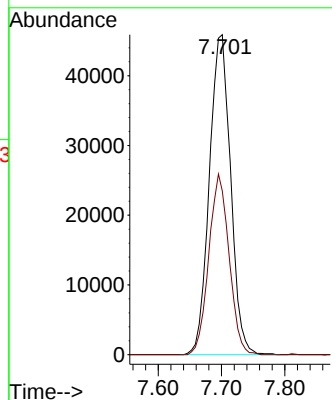
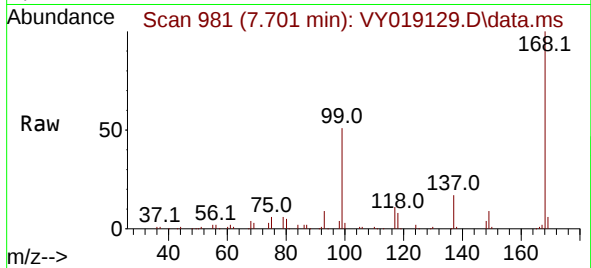




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

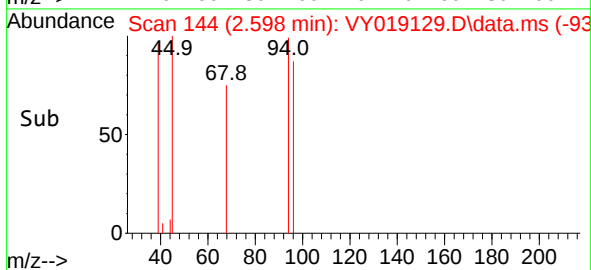
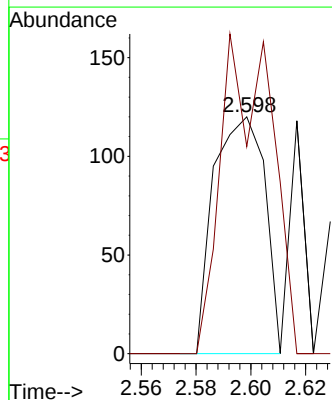
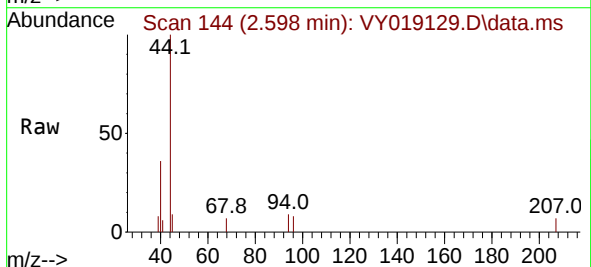
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 106970
Ion Ratio Lower Upper
168 100
99 51.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 87.5 74.1 111.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.860 min Scan# 512

Delta R.T. 0.018 min

Lab File: VY019129.D

Acq: 19 Aug 2024 20:16

Instrument :

MSVOA_Y

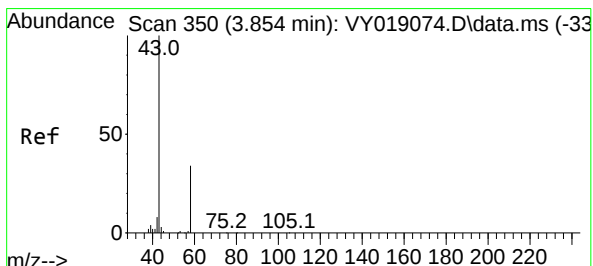
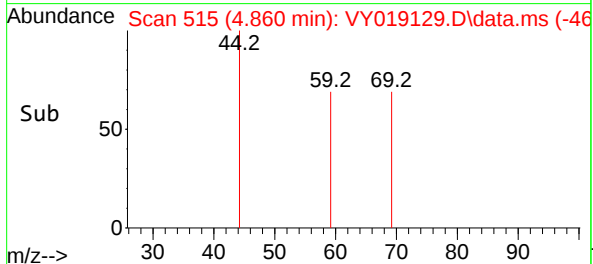
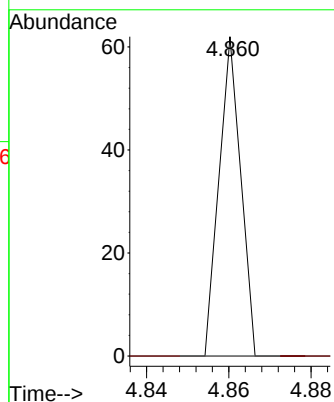
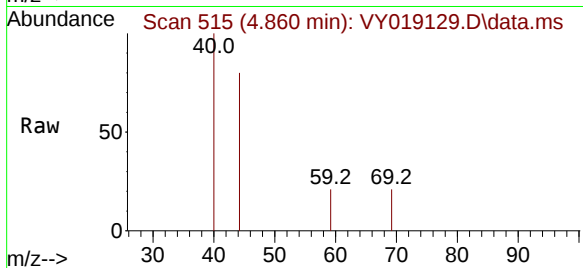
ClientSampleId :

Tgt Ion: 59 Resp: 23

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 1.926 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.006 min

Lab File: VY019129.D

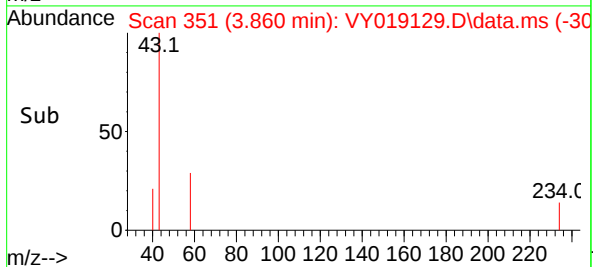
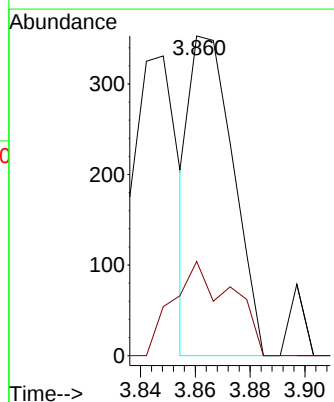
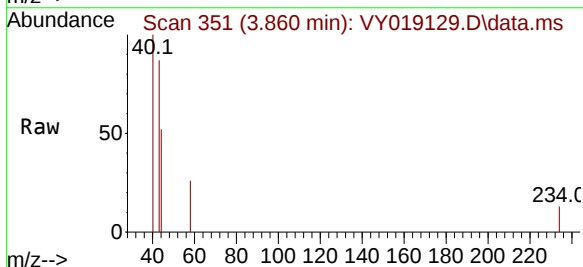
Acq: 19 Aug 2024 20:16

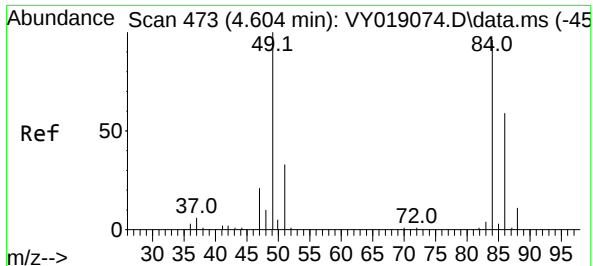
Tgt Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

58 29.5 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY019129.D

Acq: 19 Aug 2024 20:16

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 4626

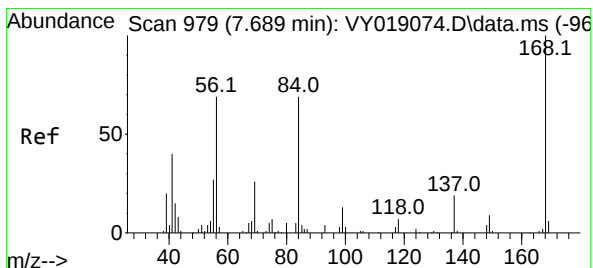
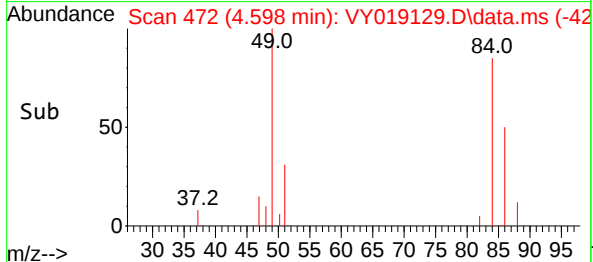
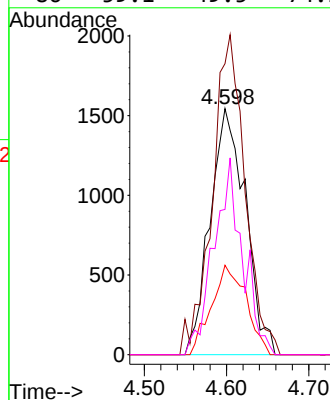
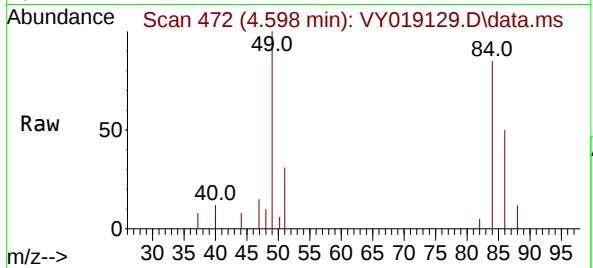
Ion Ratio Lower Upper

84 100

49 118.3 84.4 126.6

51 36.3 26.0 39.0

86 59.1 49.5 74.3



#31

Cyclohexane

Concen: Below Cal

RT: 7.695 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY019129.D

Acq: 19 Aug 2024 20:16

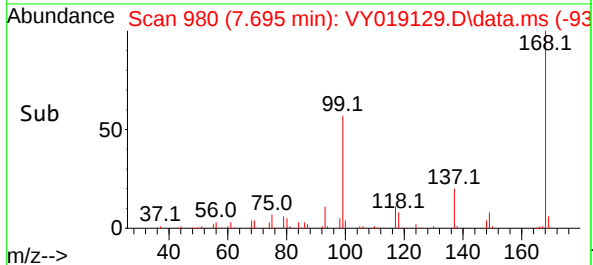
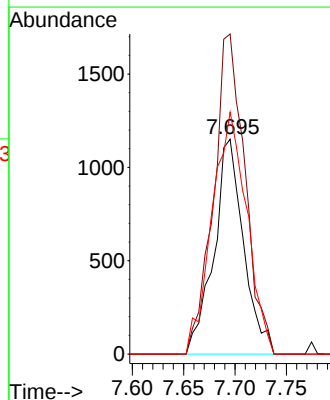
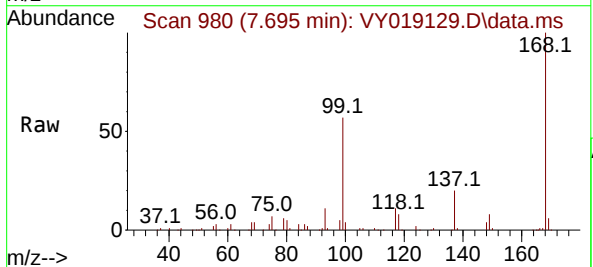
Tgt Ion: 56 Resp: 2310

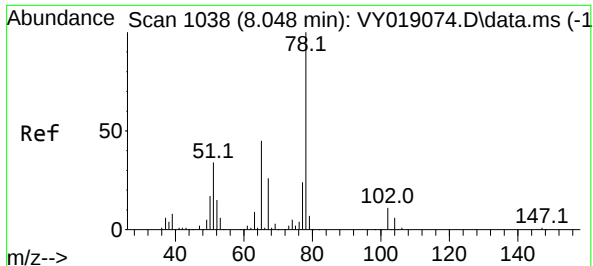
Ion Ratio Lower Upper

56 100

69 149.0 28.7 43.1#

84 112.6 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 50.839 ug/l

RT: 8.055 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VY019129.D

Acq: 19 Aug 2024 20:16

Instrument :

MSVOA_Y

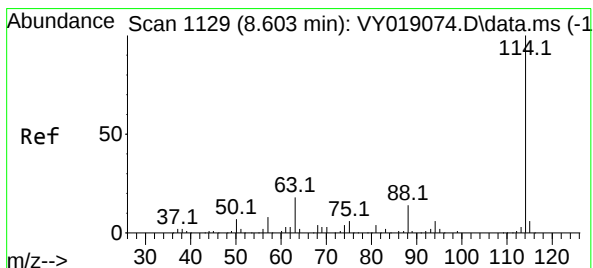
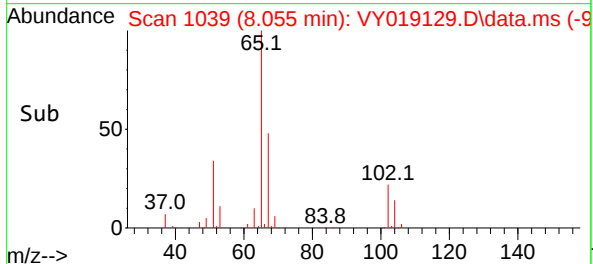
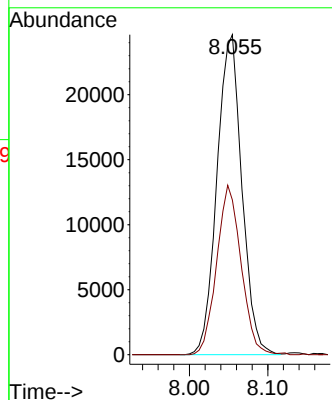
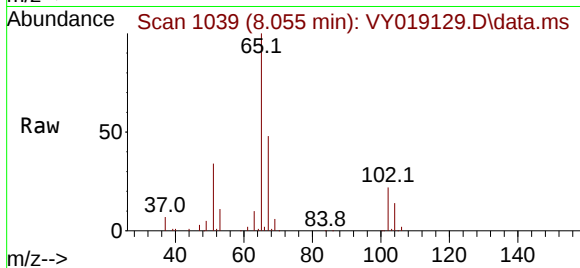
ClientSampleId :

Tgt Ion: 65 Resp: 54514

Ion Ratio Lower Upper

65 100

67 51.9 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: VY019129.D

Acq: 19 Aug 2024 20:16

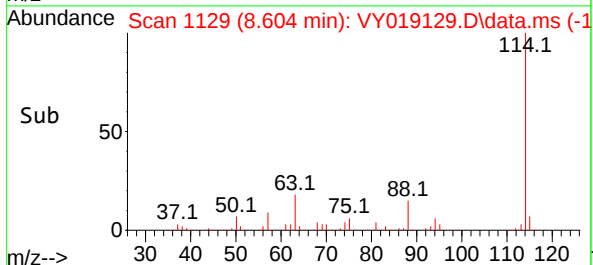
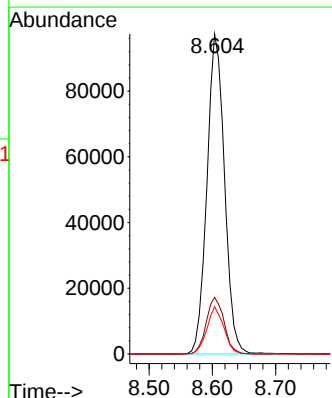
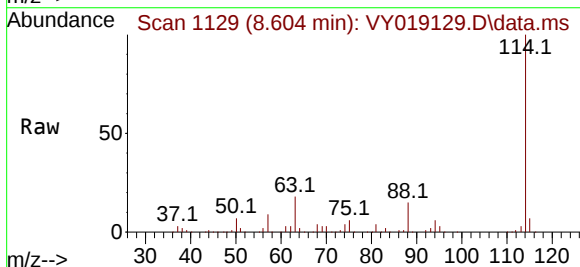
Tgt Ion: 114 Resp: 188341

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.0

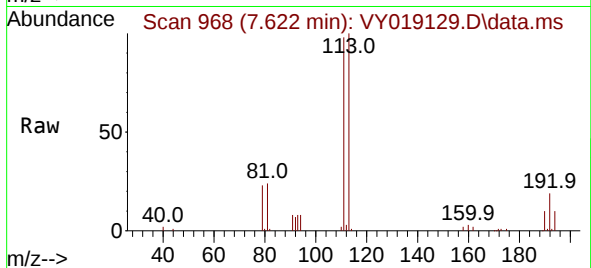
88 14.7 0.0 27.2



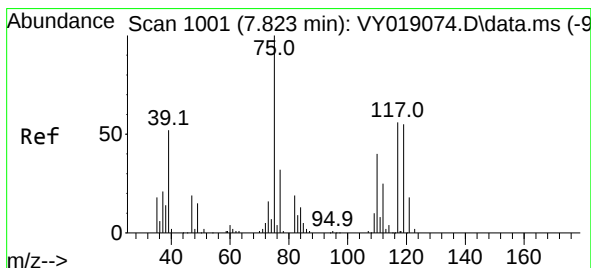
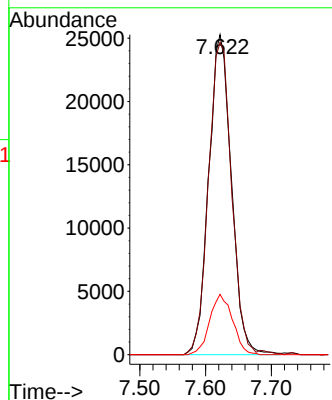
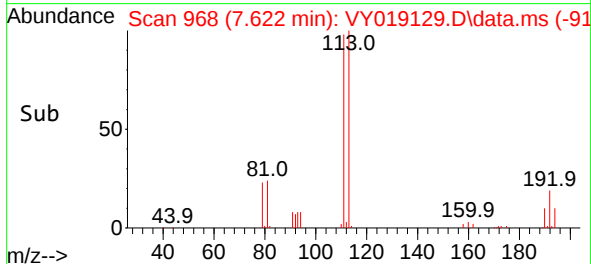


#35
Dibromofluoromethane
Concen: 49.223 ug/l
RT: 7.622 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

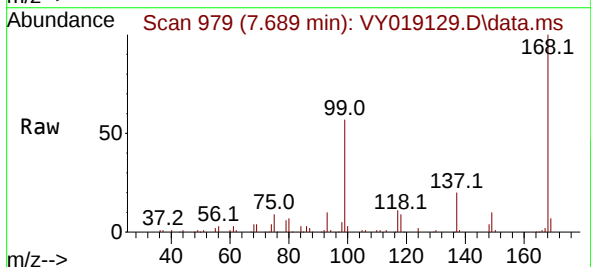
Instrument :
MSVOA_Y
ClientSampleId :



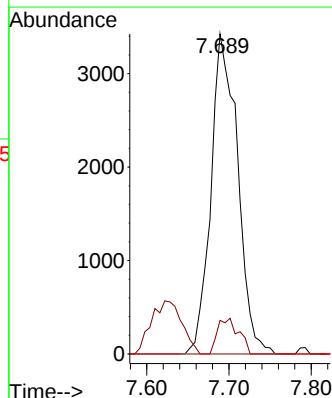
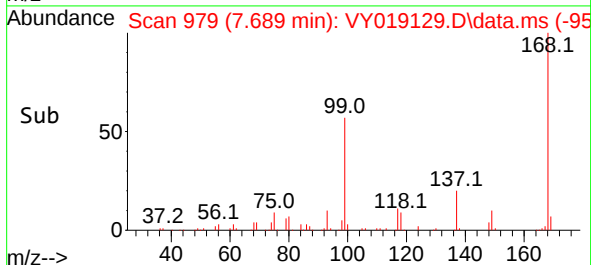
Tgt Ion:113 Resp: 60617
Ion Ratio Lower Upper
113 100
111 99.7 82.2 123.4
192 19.1 15.9 23.9

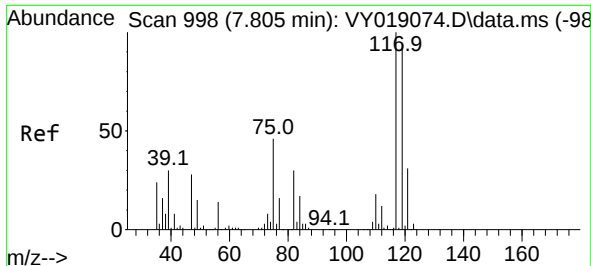


#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.689 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16



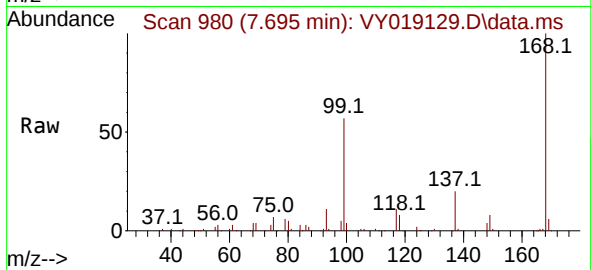
Tgt Ion: 75 Resp: 7715
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



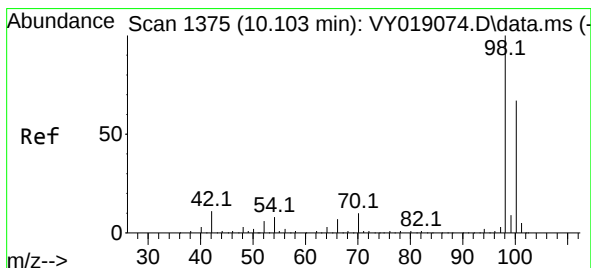
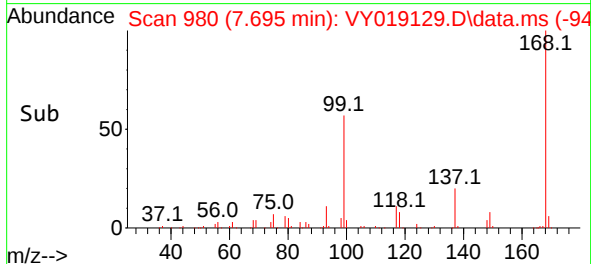
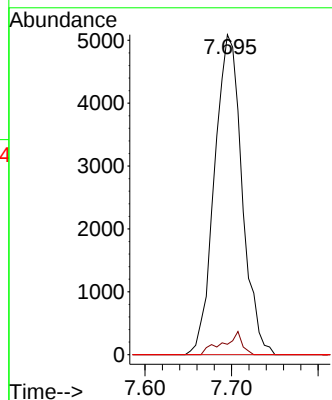


#38
Carbon Tetrachloride
Concen: 5.743 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Instrument :
MSVOA_Y
ClientSampleId :

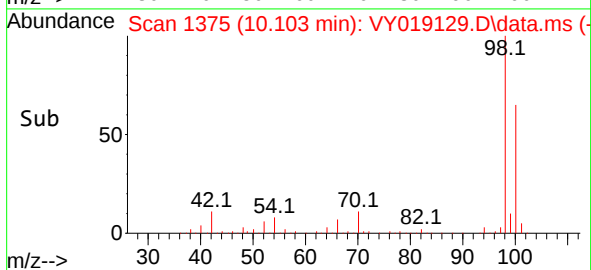
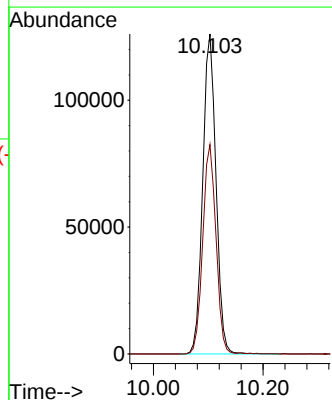
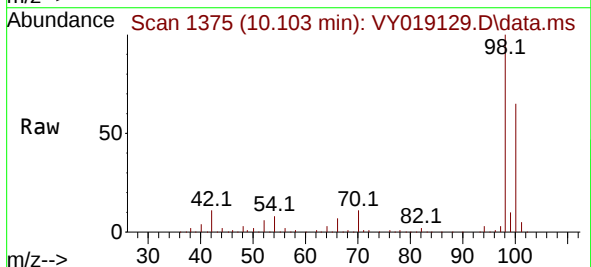


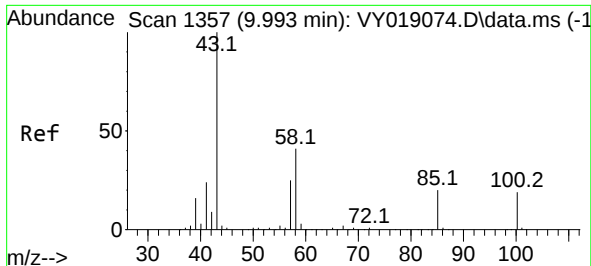
Tgt Ion:117 Resp: 11254
Ion Ratio Lower Upper
117 100
119 3.2 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.659 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Tgt Ion: 98 Resp: 211209
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

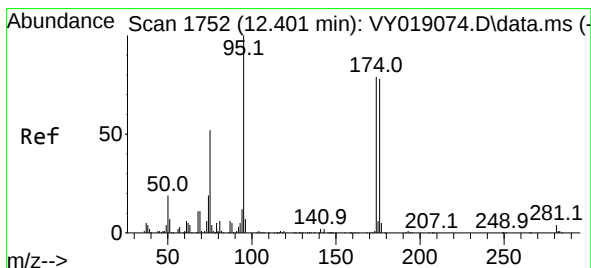
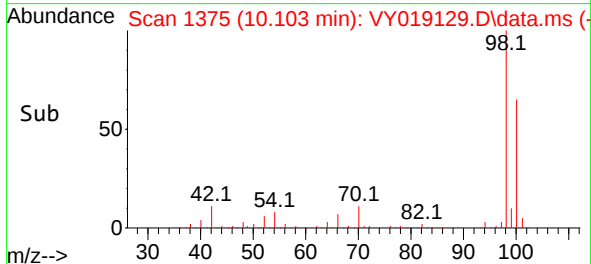
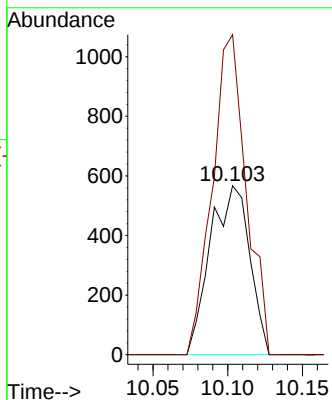
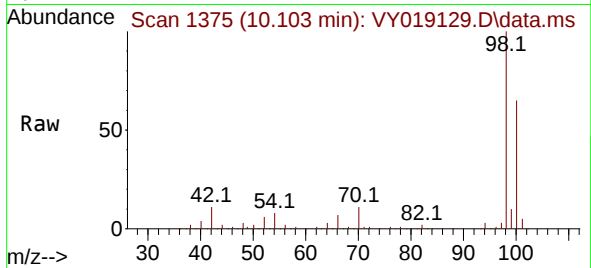




#51
4-Methyl-2-Pentanone
Concen: 1.291 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

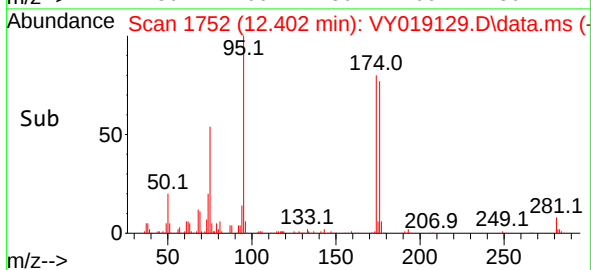
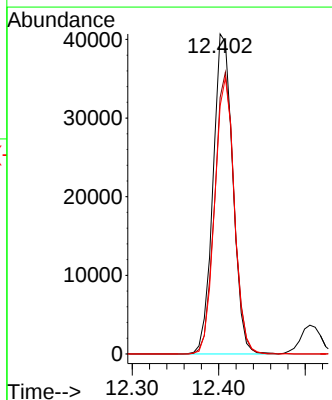
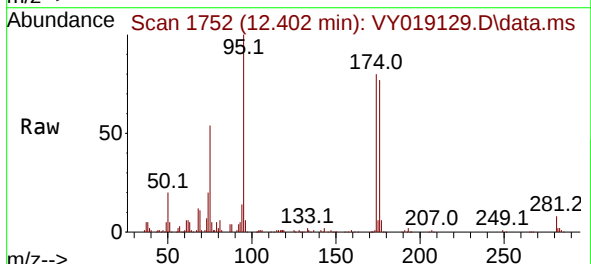
Instrument :
MSVOA_Y
ClientSampleId :

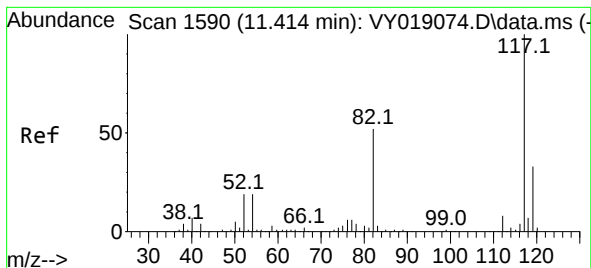
Tgt Ion: 43 Resp: 1038
Ion Ratio Lower Upper
43 100
58 163.4 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 42.708 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Tgt Ion: 95 Resp: 64521
Ion Ratio Lower Upper
95 100
174 87.1 0.0 175.6
176 85.3 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: VY019129.D

Acq: 19 Aug 2024 20:16

Instrument :

MSVOA_Y

ClientSampleId :

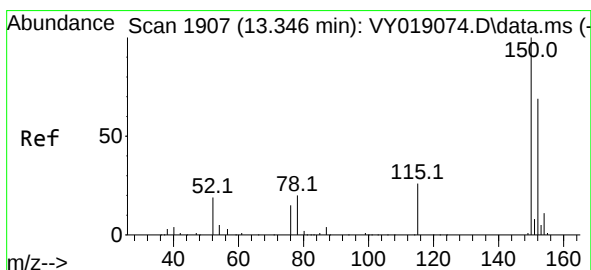
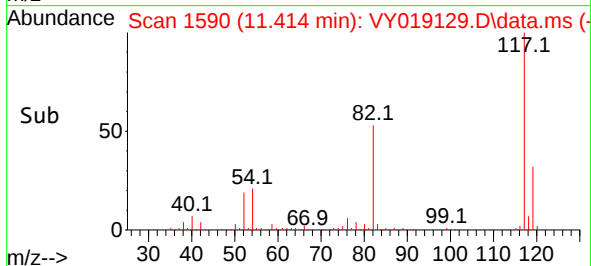
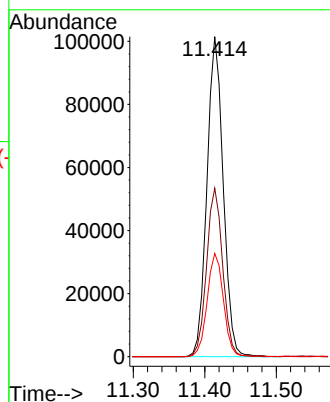
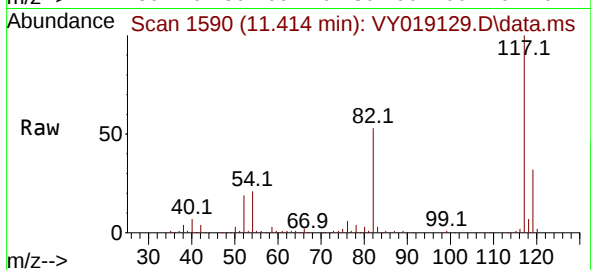
Tgt Ion:117 Resp: 160302

Ion Ratio Lower Upper

117 100

82 52.7 42.4 63.6

119 32.3 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: VY019129.D

Acq: 19 Aug 2024 20:16

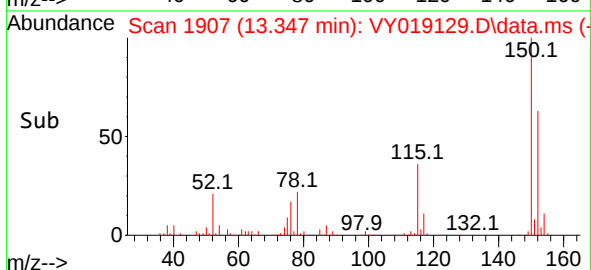
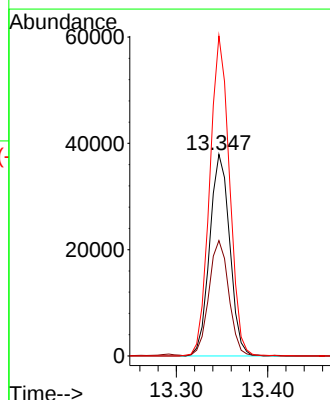
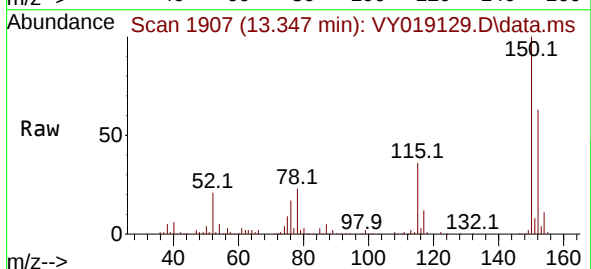
Tgt Ion:152 Resp: 57802

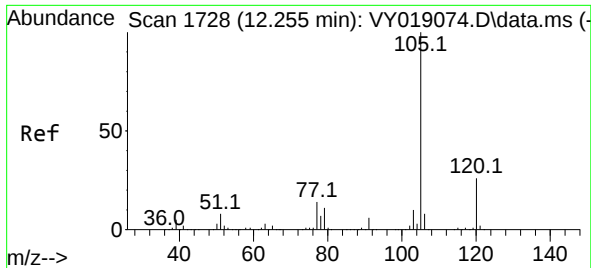
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 156.3 0.0 345.6

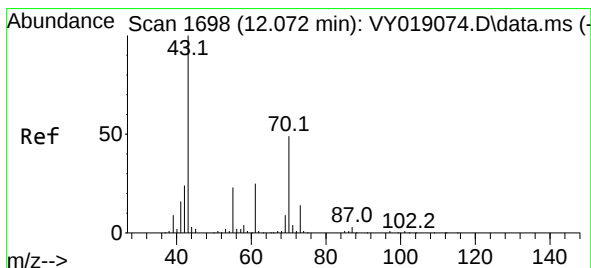
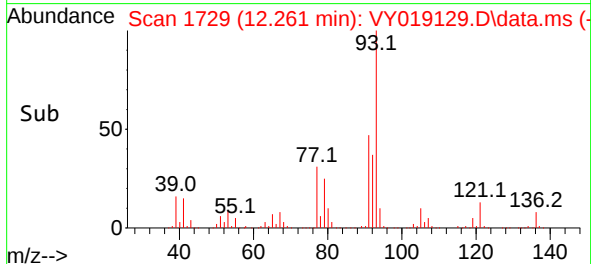
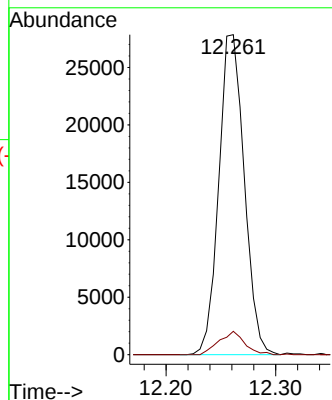
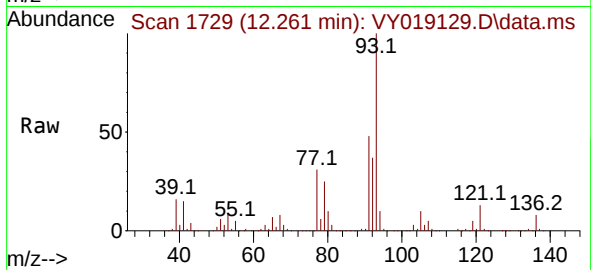




#73
Isopropylbenzene
Concen: 10.144 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.006 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

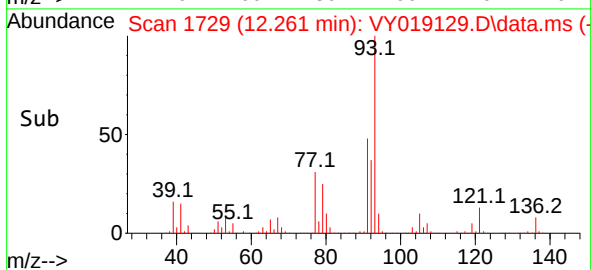
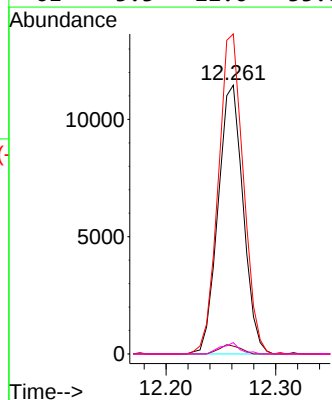
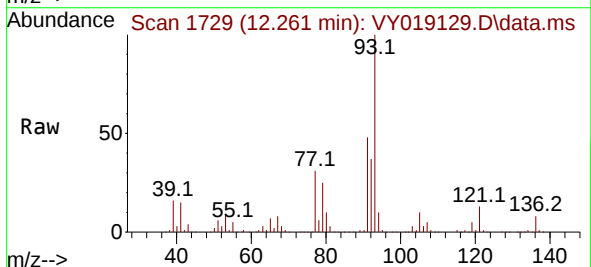
Instrument :
MSVOA_Y
ClientSampleId :

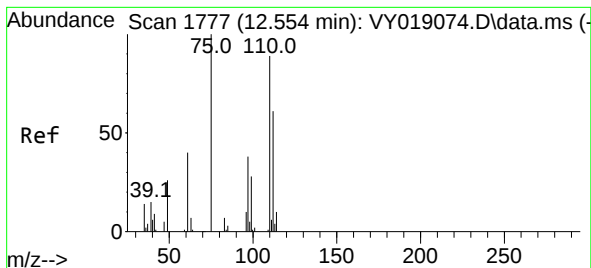
Tgt Ion:105 Resp: 44939
Ion Ratio Lower Upper
105 100
120 7.3 13.4 40.1#



#74
N-ethyl acetate
Concen: 18.827 ug/l
RT: 12.261 min Scan# 1729
Delta R.T. 0.189 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Tgt Ion: 43 Resp: 18188
Ion Ratio Lower Upper
43 100
70 2.9 41.4 62.2#
55 119.6 23.3 34.9#
61 3.3 22.6 33.8#

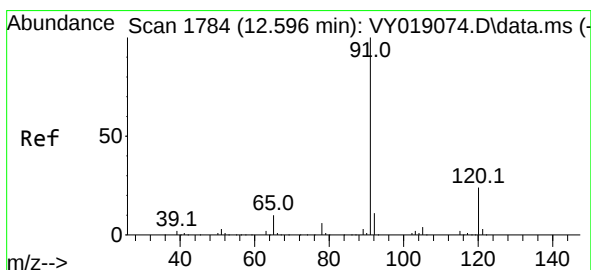
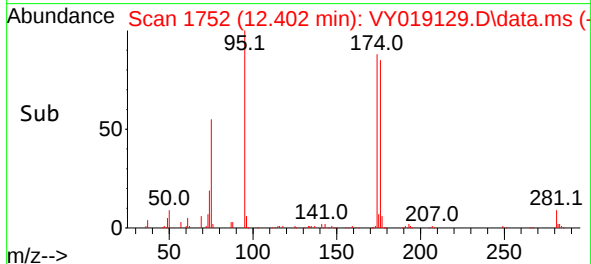
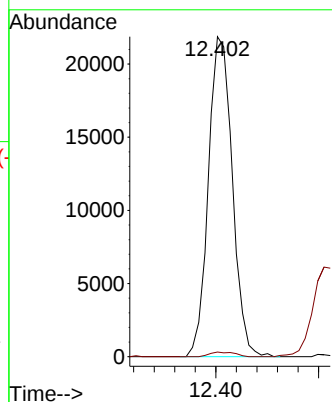
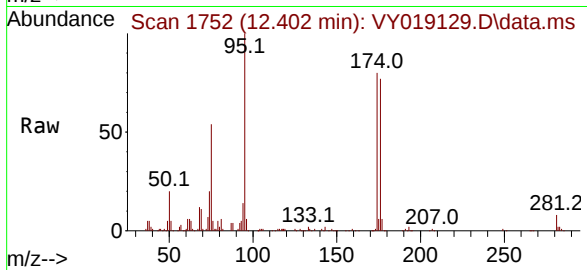




#76
1,2,3-Trichloropropane
Concen: 62.005 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

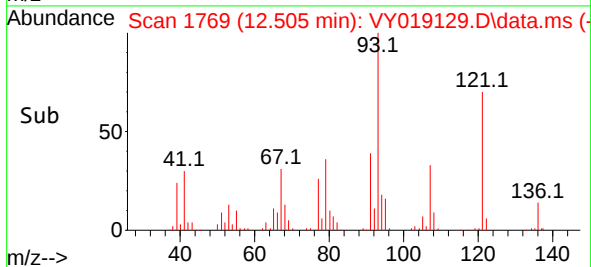
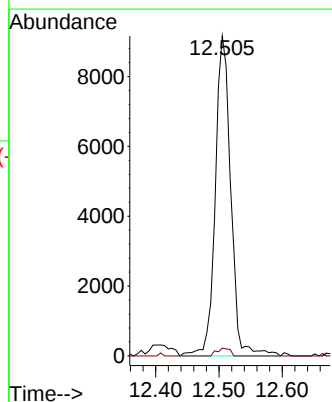
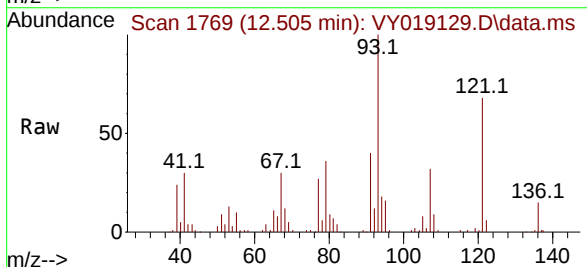
Instrument :
MSVOA_Y
ClientSampleId :

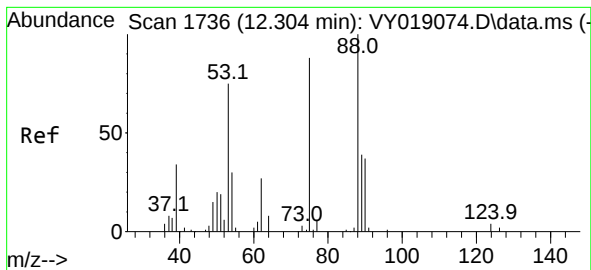
Tgt Ion: 75 Resp: 35345
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 2.942 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.091 min
Lab File: VY019129.D
Acq: 19 Aug 2024 20:16

Tgt Ion: 91 Resp: 15582
Ion Ratio Lower Upper
91 100
120 2.1 11.5 34.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 7.946 ug/l
 RT: 12.255 min Scan# 11
 Delta R.T. -0.048 min
 Lab File: VY019129.D
 Acq: 19 Aug 2024 20:16

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 1834
 Ion Ratio Lower Upper
 75 100
 53 1979.6 66.8 100.2#
 89 204.7 35.8 53.6#

