

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019203.D
 Acq On : 22 Aug 2024 06:33
 Operator : SY/MD
 Sample : P3671-09
 Misc : 5.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 07:26:28 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)

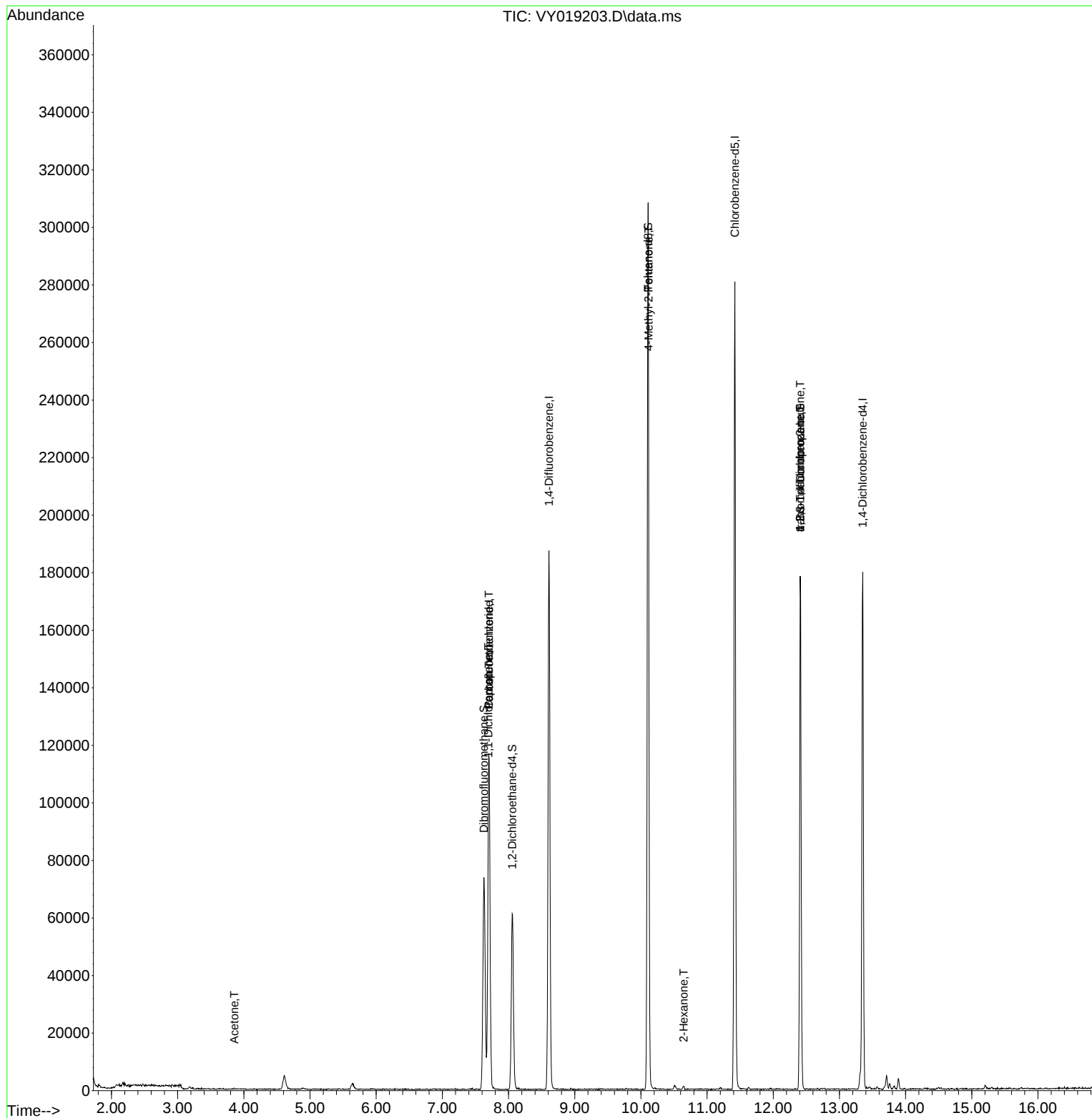
Internal Standards						
1) Pentafluorobenzene	7.701	168	90900	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	164483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	148147	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	44883	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	48858	53.619	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.240%	
35) Dibromofluoromethane	7.628	113	52158	48.497	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.000%	
50) Toluene-d8	10.109	98	197827	51.114	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.220%	
62) 4-Bromofluorobenzene	12.408	95	54423	41.249	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 82.500%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.598	94	107	Below Cal	#	3
6) Chloroethane	2.952	64	19	Below Cal	#	42
11) Tert butyl alcohol	4.848	59	94	Below Cal	#	88
13) Acrolein	3.696	56	24	Below Cal	#	15
16) Acetone	3.854	43	207	1.225	ug/l #	36
20) Methylene Chloride	4.610	84	3231	Below Cal		97
31) Cyclohexane	7.701	56	1935	Below Cal	#	18
36) 1,1-Dichloropropene	7.695	75	6743	4.566	ug/l #	51
38) Carbon Tetrachloride	7.701	117	9020	5.270	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	943	1.343	ug/l #	1
59) 2-Hexanone	10.646	43	509	1.055	ug/l #	19
76) 1,2,3-Trichloropropane	12.408	75	28516	64.424	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	28516	159.107	ug/l #	16

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

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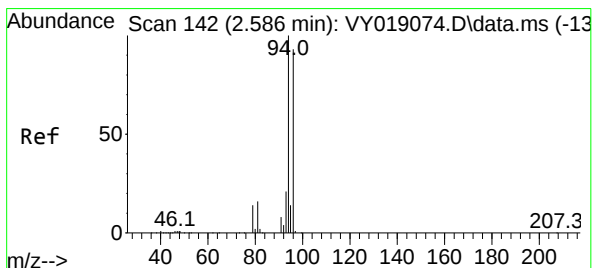
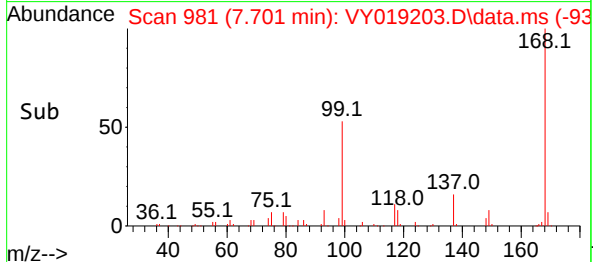
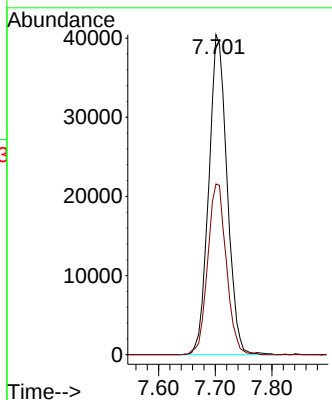
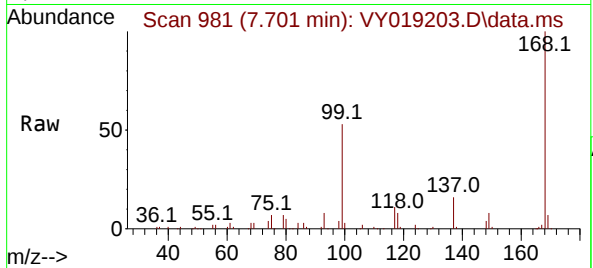




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

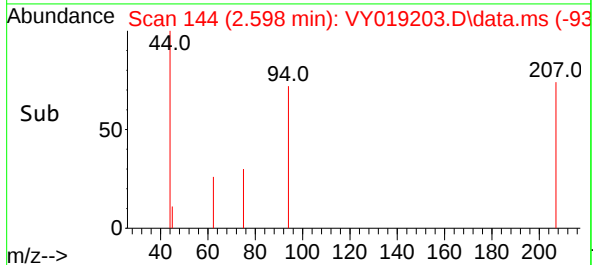
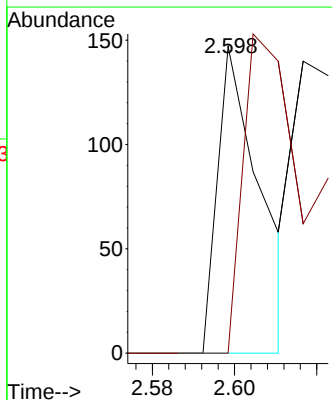
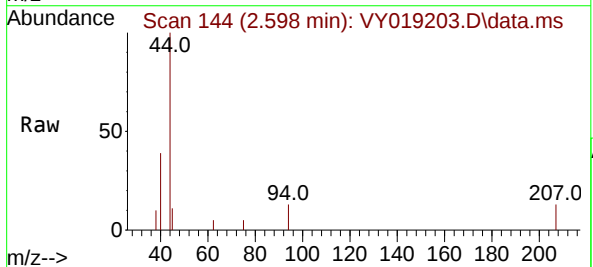
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 90900
Ion Ratio Lower Upper
168 100
99 53.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.848 min Scan# 512

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

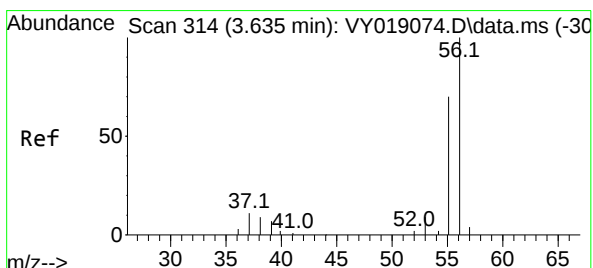
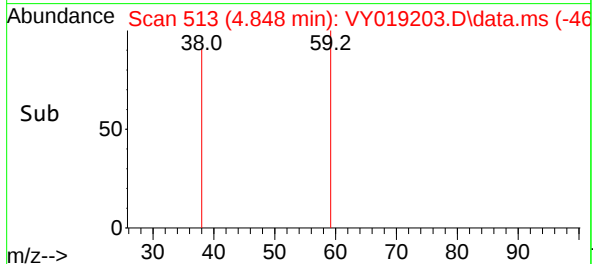
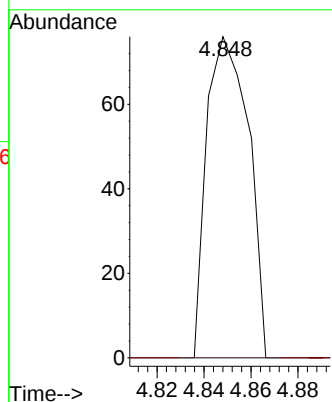
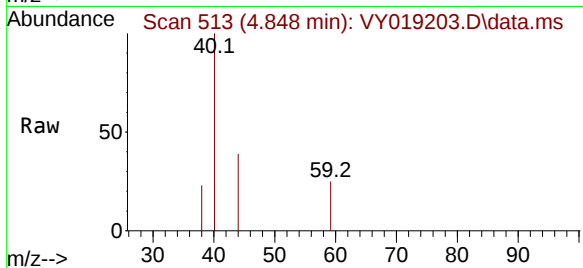
ClientSampleId :

Tgt Ion: 59 Resp: 94

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.696 min Scan# 324

Delta R.T. 0.061 min

Lab File: VY019203.D

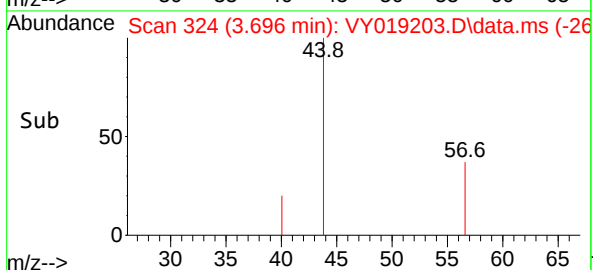
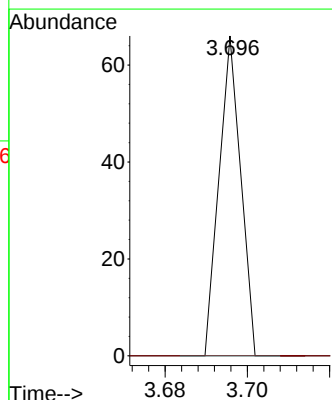
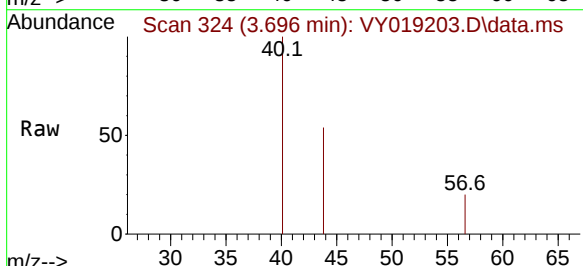
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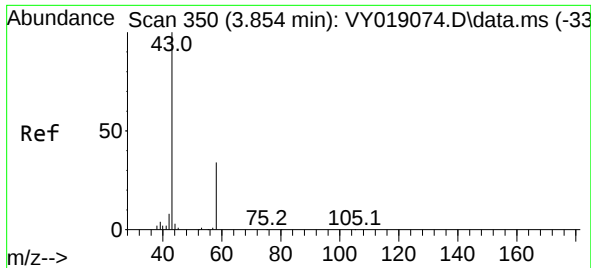
Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 1.225 ug/l

RT: 3.854 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

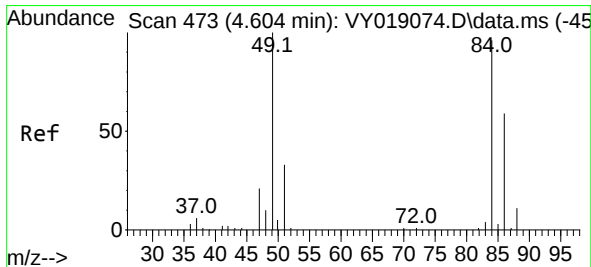
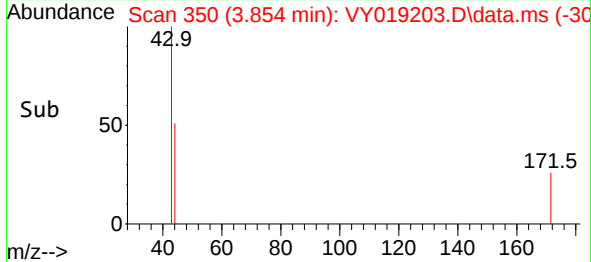
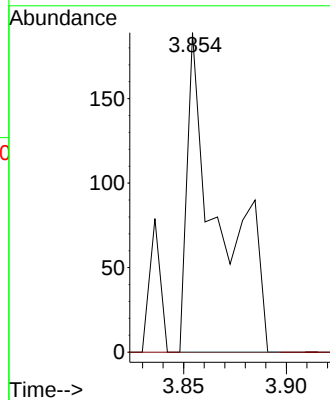
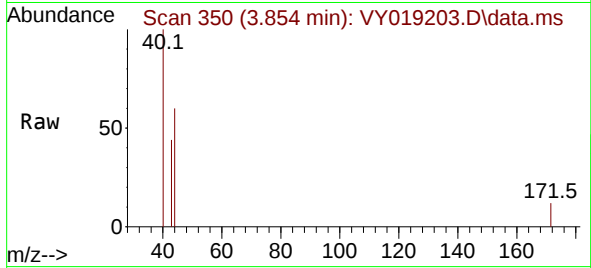
ClientSampleId :

Tgt Ion: 43 Resp: 207

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Tgt Ion: 84 Resp: 3231

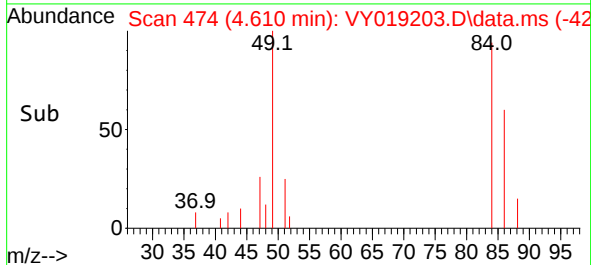
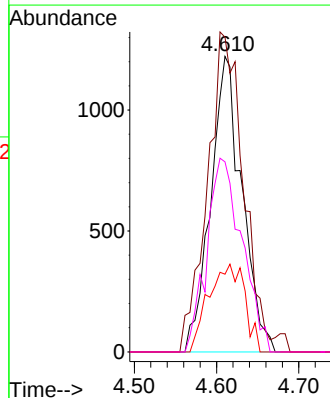
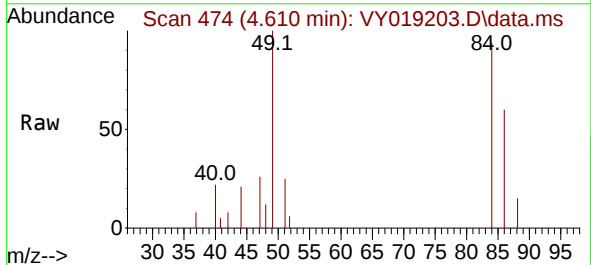
Ion Ratio Lower Upper

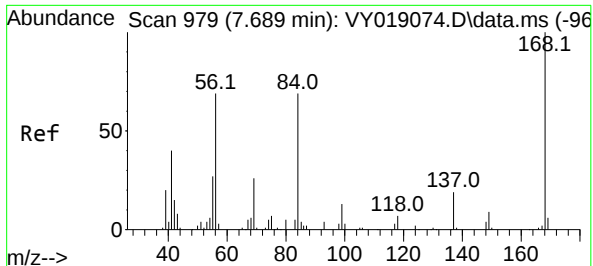
84 100

49 106.5 84.4 126.6

51 26.3 26.0 39.0

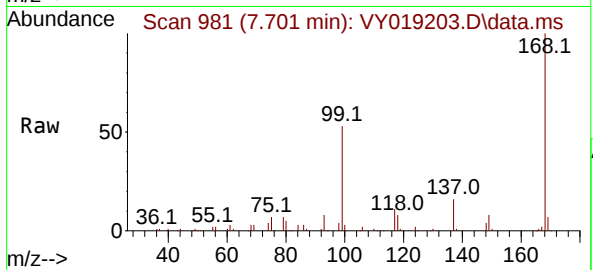
86 64.3 49.5 74.3



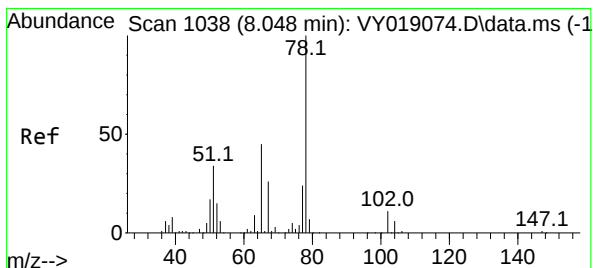
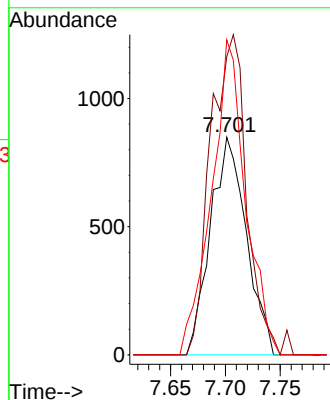
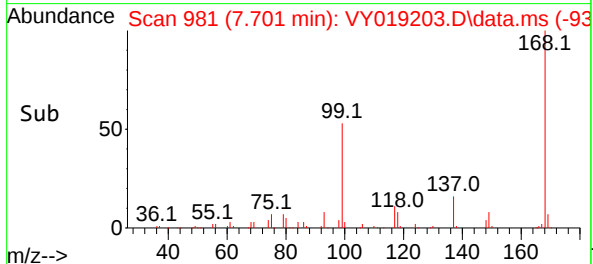


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Instrument :
MSVOA_Y
ClientSampleId :

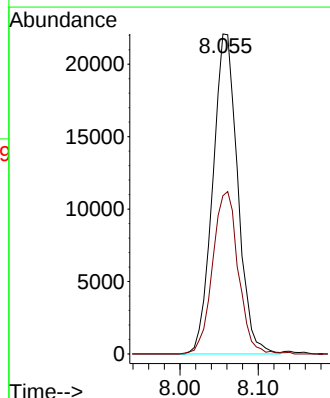
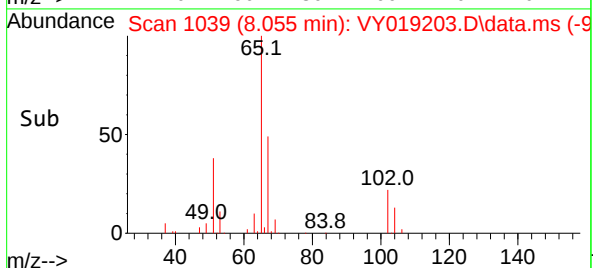
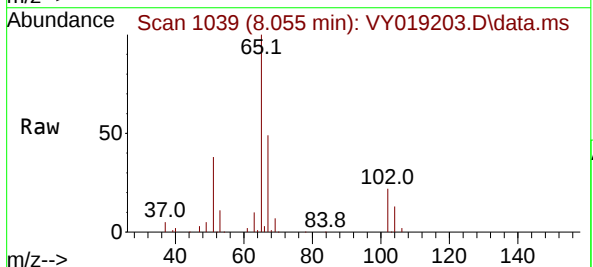


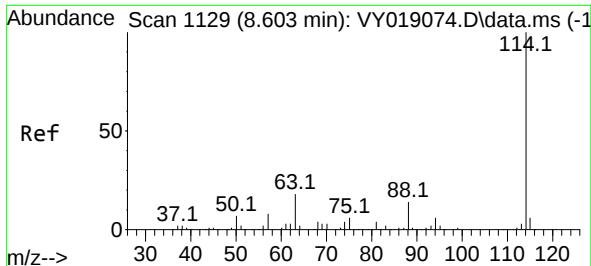
Tgt Ion: 56 Resp: 1935
Ion Ratio Lower Upper
56 100
69 137.0 28.7 43.1#
84 144.8 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 53.619 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion: 65 Resp: 48858
Ion Ratio Lower Upper
65 100
67 52.3 0.0 109.6

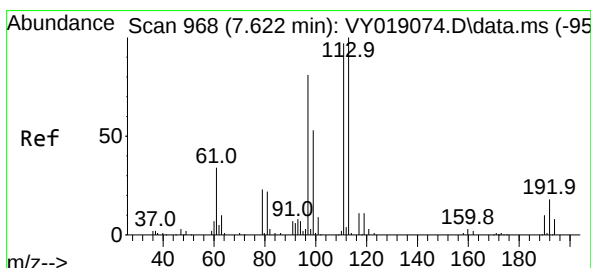
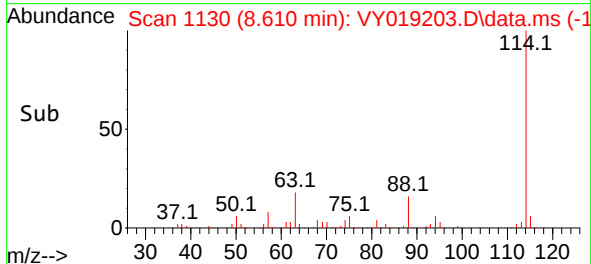
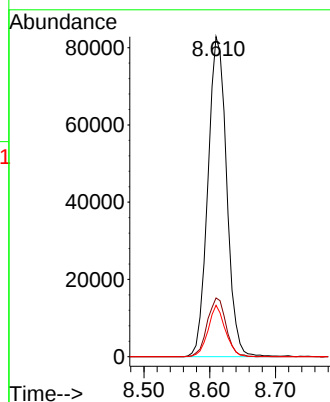
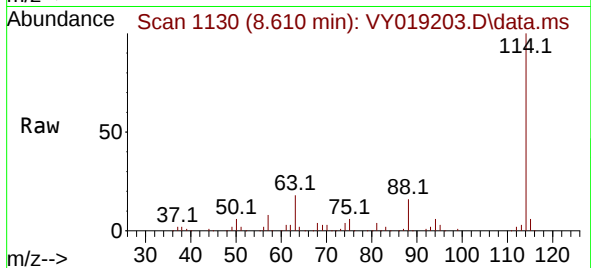




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

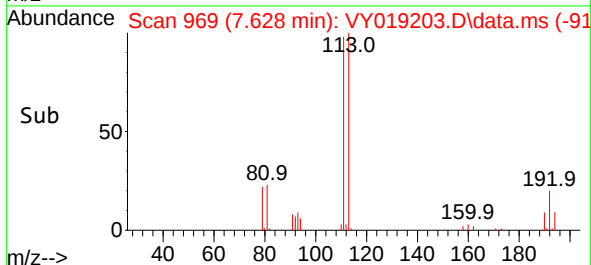
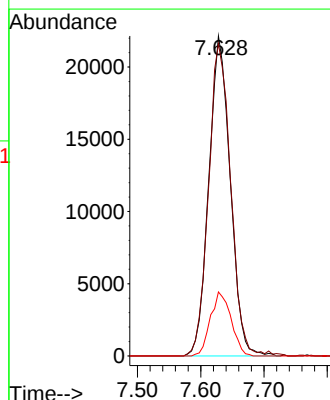
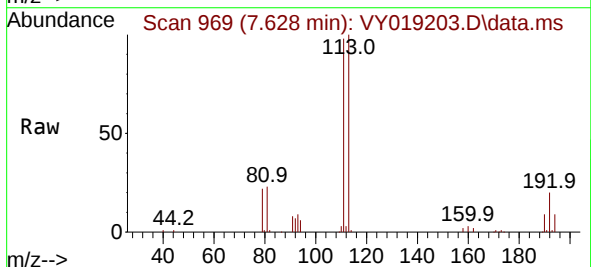
Instrument :
MSVOA_Y
ClientSampleId :

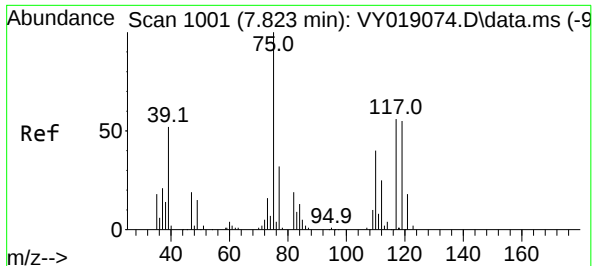
Tgt Ion:114 Resp: 164483
Ion Ratio Lower Upper
114 100
63 18.3 0.0 35.0
88 16.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 48.497 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion:113 Resp: 52158
Ion Ratio Lower Upper
113 100
111 101.0 82.2 123.4
192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.566 ug/l

RT: 7.695 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

ClientSampleId :

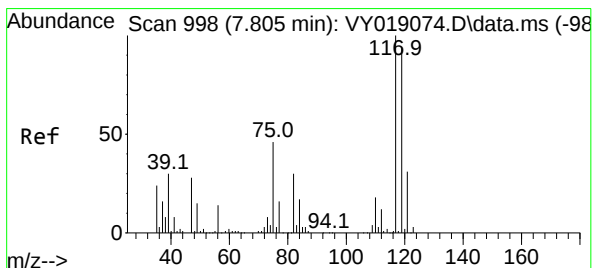
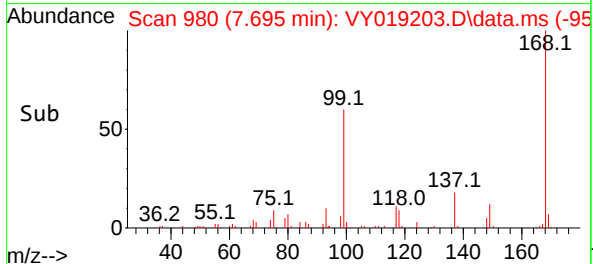
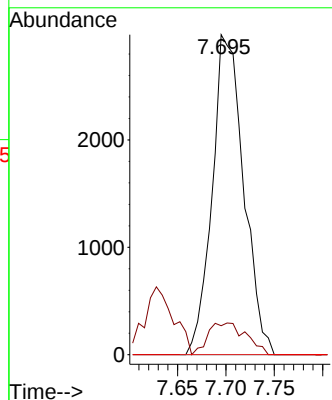
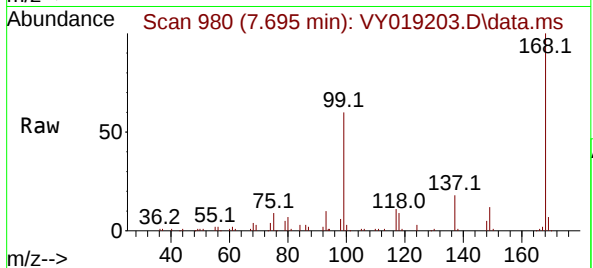
Tgt Ion: 75 Resp: 6743

Ion Ratio Lower Upper

75 100

110 12.0 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.270 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.103 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

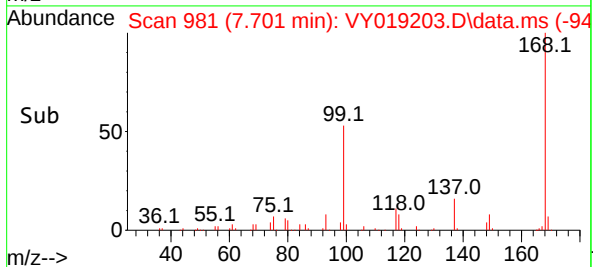
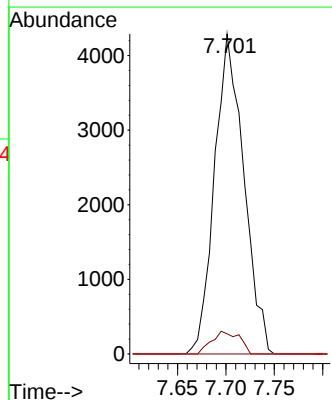
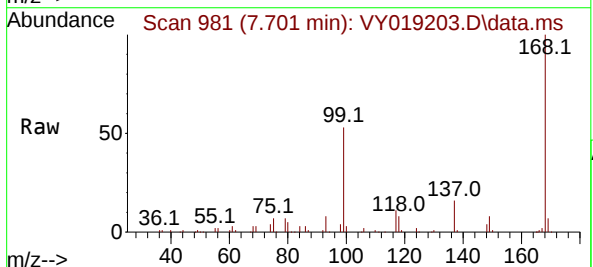
Tgt Ion: 117 Resp: 9020

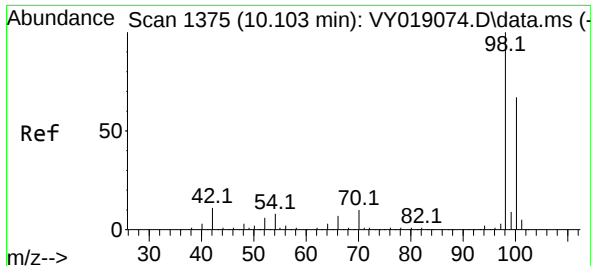
Ion Ratio Lower Upper

117 100

119 6.3 75.8 113.6#

121 0.0 24.0 36.0#

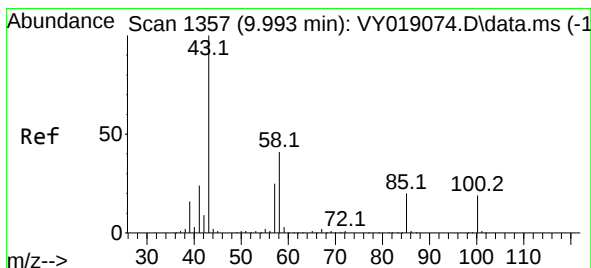
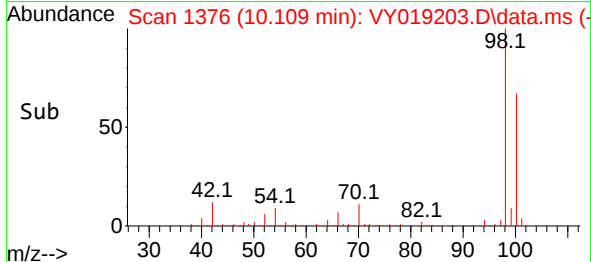
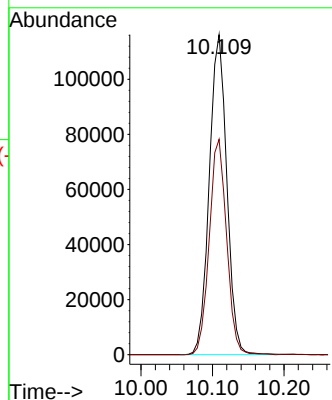
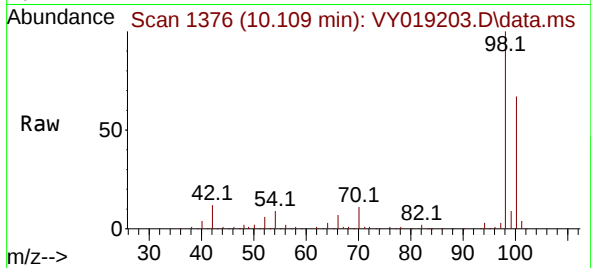




#50
Toluene-d8
Concen: 51.114 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

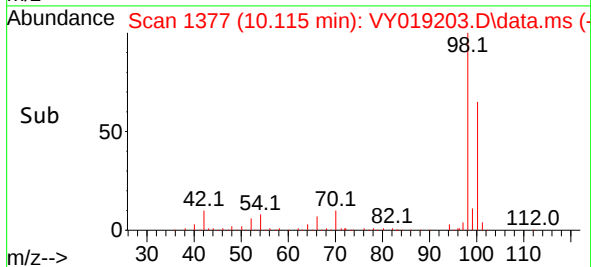
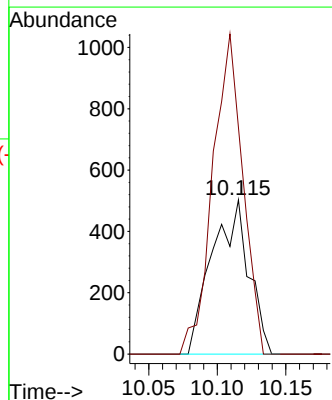
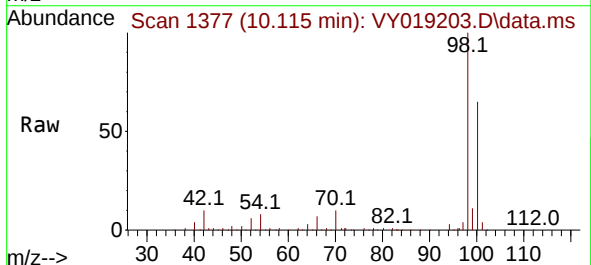
Instrument :
MSVOA_Y
ClientSampleId :

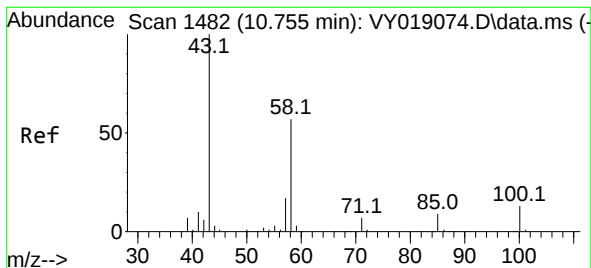
Tgt Ion: 98 Resp: 197827
Ion Ratio Lower Upper
98 100
100 66.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.343 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.122 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion: 43 Resp: 943
Ion Ratio Lower Upper
43 100
58 169.2 35.7 53.5#

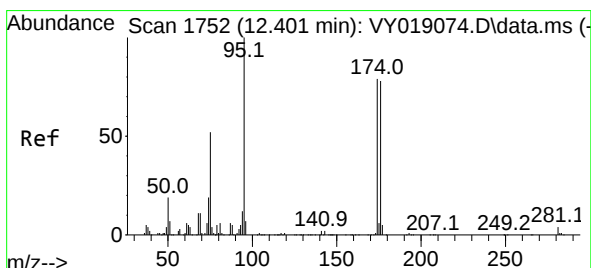
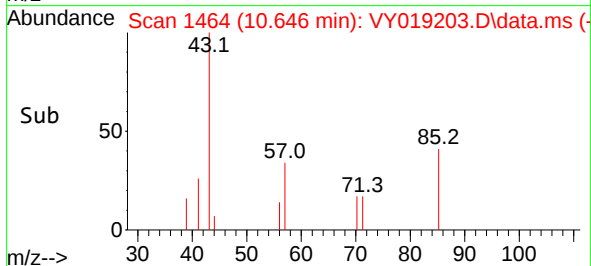
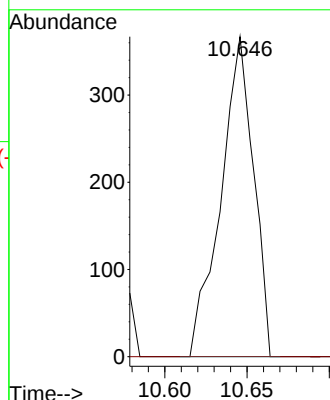
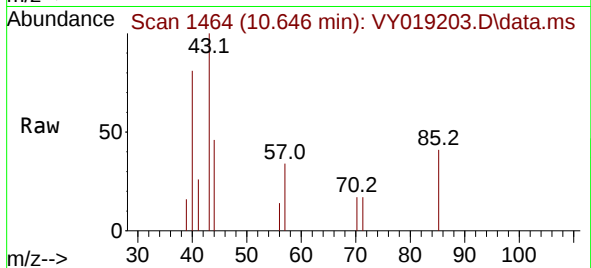




#59
2-Hexanone
Concen: 1.055 ug/l
RT: 10.646 min Scan# 1482
Delta R.T. -0.109 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

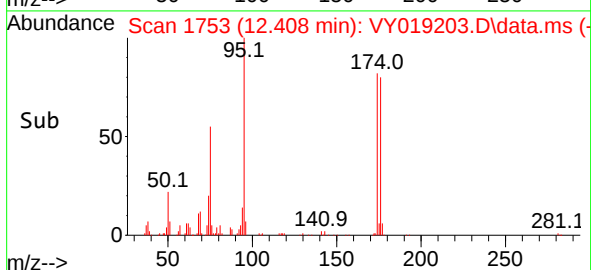
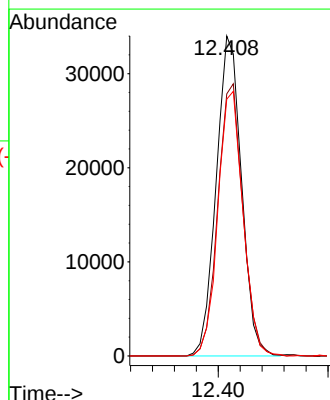
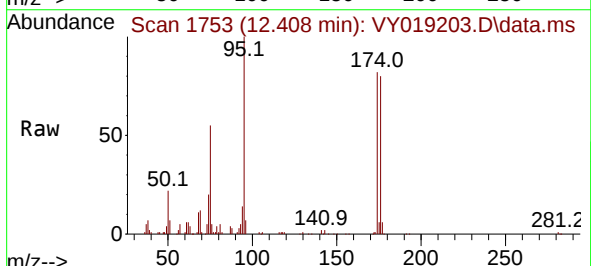
Instrument :
MSVOA_Y
ClientSampleId :

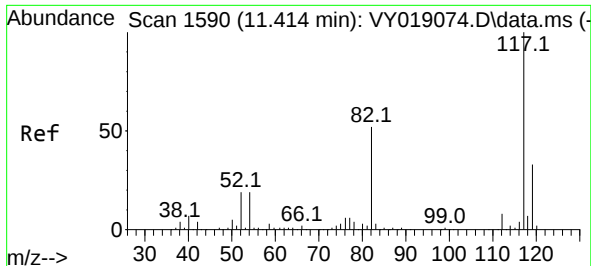
Tgt Ion: 43 Resp: 509
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 41.249 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

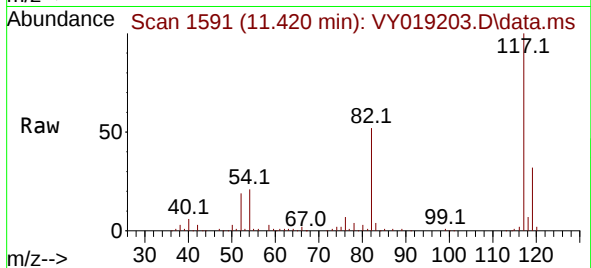
Tgt Ion: 95 Resp: 54423
Ion Ratio Lower Upper
95 100
174 84.3 0.0 175.6
176 82.2 0.0 171.4



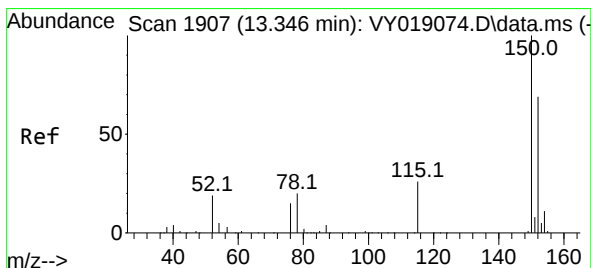
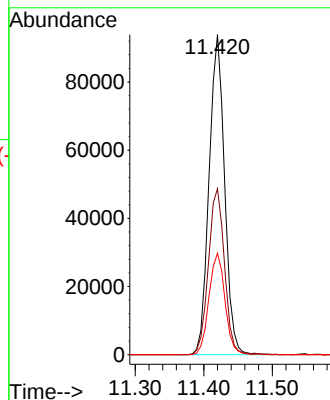
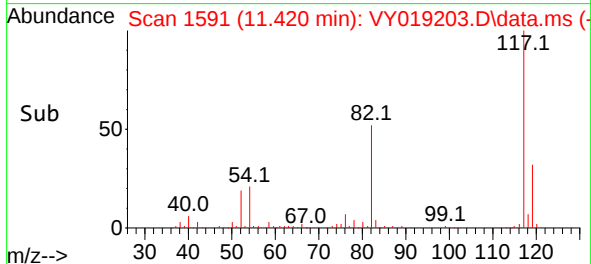


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Instrument :
MSVOA_Y
ClientSampleId :

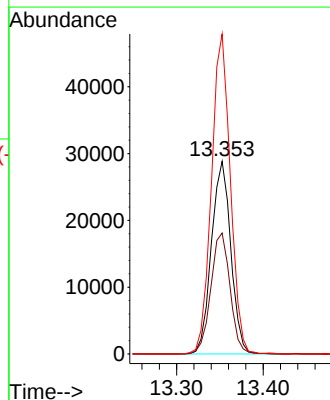
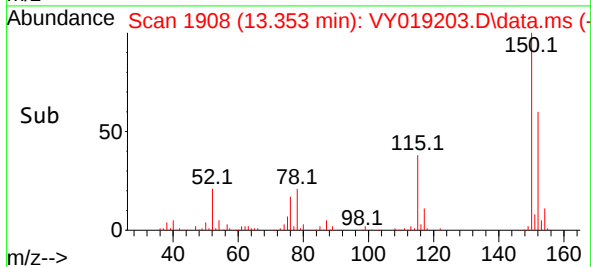
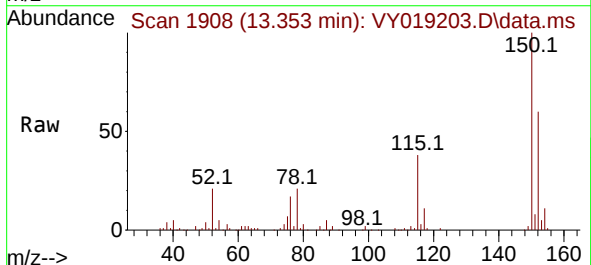


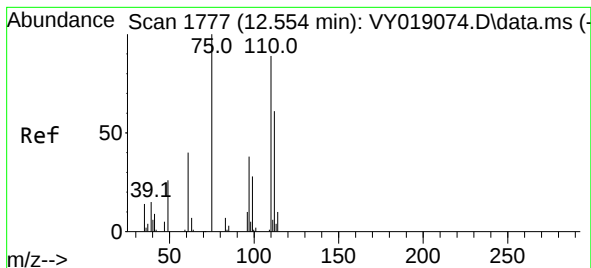
Tgt Ion:117 Resp: 148147
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 31.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019203.D
Acq: 22 Aug 2024 06:33

Tgt Ion:152 Resp: 44883
Ion Ratio Lower Upper
152 100
115 62.2 28.2 84.7
150 161.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 64.424 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Instrument :

MSVOA_Y

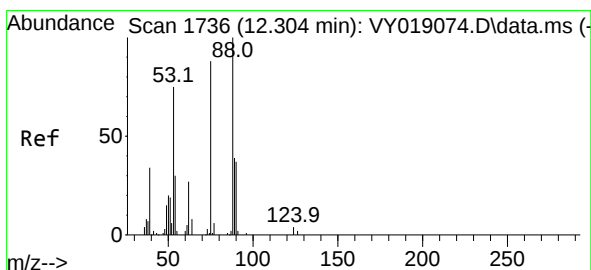
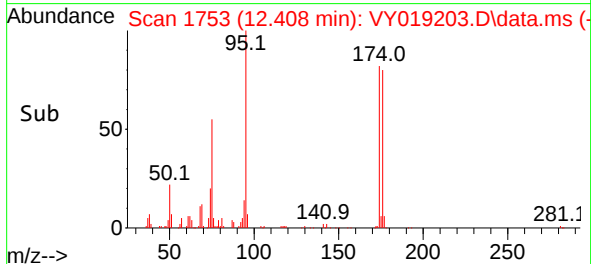
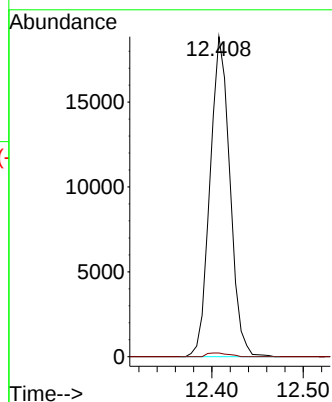
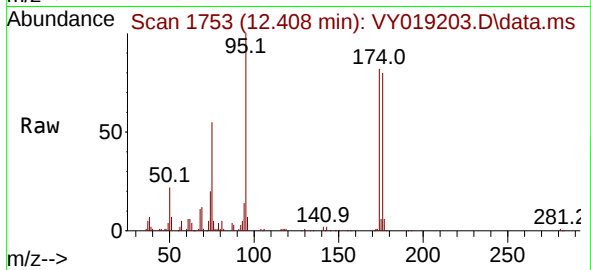
ClientSampleId :

Tgt Ion: 75 Resp: 28516

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 159.107 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019203.D

Acq: 22 Aug 2024 06:33

Tgt Ion: 75 Resp: 28516

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

