

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082124\
 Data File : VY019170.D
 Acq On : 21 Aug 2024 15:29
 Operator : SY/MD
 Sample : P3634-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 22 01:14:38 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)

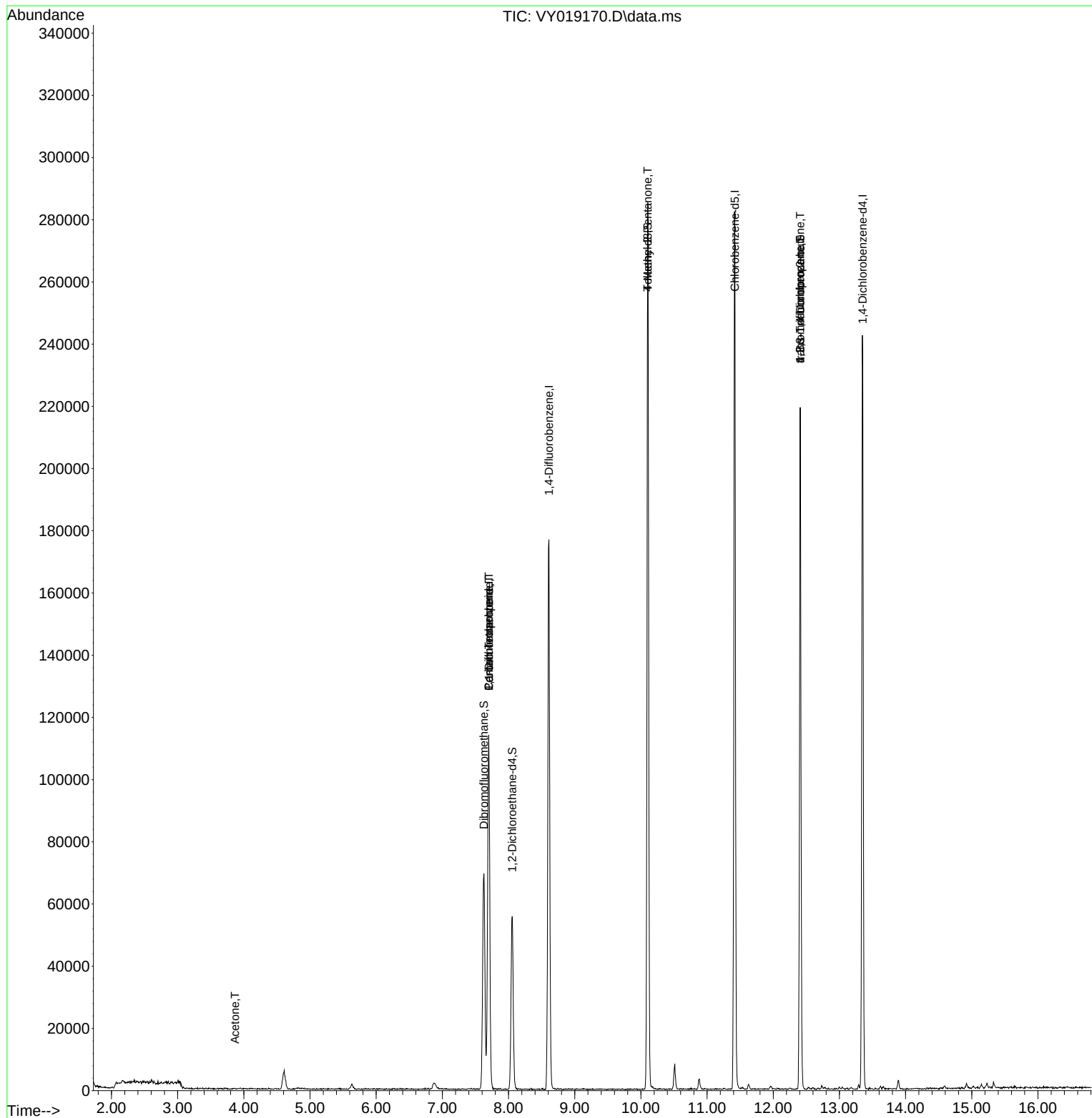
Internal Standards						
1) Pentafluorobenzene	7.701	168	87934	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	155815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	155537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	62949	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	44056	49.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.628	113	49642	48.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.460%
50) Toluene-d8	10.103	98	183464	50.040	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.080%
62) 4-Bromofluorobenzene	12.407	95	61501	49.207	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	98.420%
Target Compounds						
5) Bromomethane	2.598	94	489	Below Cal	#	80
6) Chloroethane	2.488	64	60	Below Cal	#	42
11) Tert butyl alcohol	4.854	59	118	Below Cal	#	88
13) Acrolein	3.635	56	22	Below Cal	#	15
16) Acetone	3.866	43	316	1.933	ug/l #	36
20) Methylene Chloride	4.598	84	4290	Below Cal		93
31) Cyclohexane	7.695	56	1720	Below Cal	#	36
36) 1,1-Dichloropropene	7.701	75	6801	4.861	ug/l #	48
38) Carbon Tetrachloride	7.701	117	8986	5.542	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	775	1.165	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	32248	51.947	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	32248	128.291	ug/l #	16

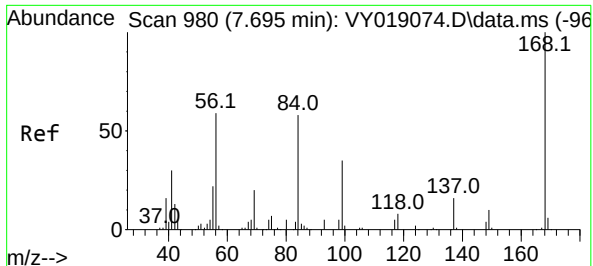
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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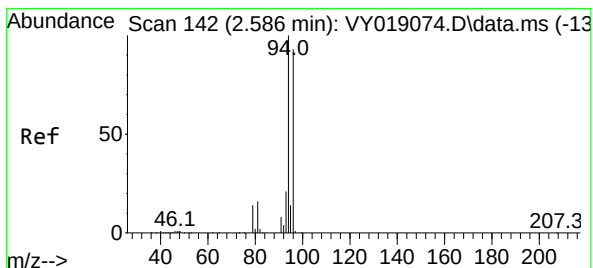
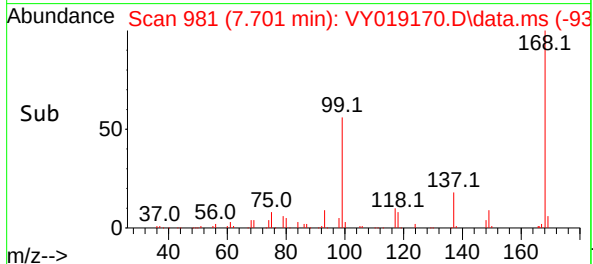
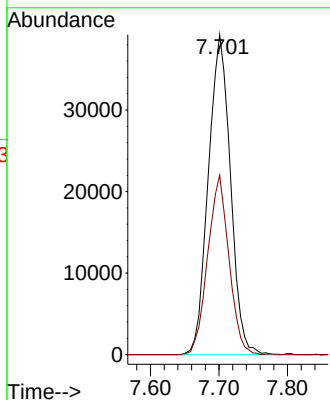
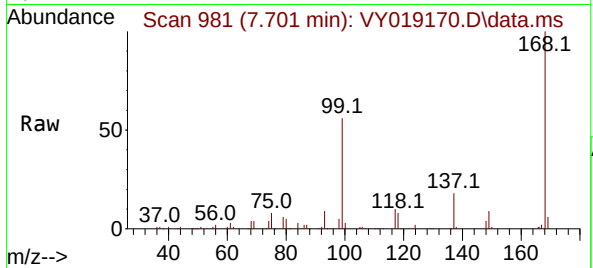




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

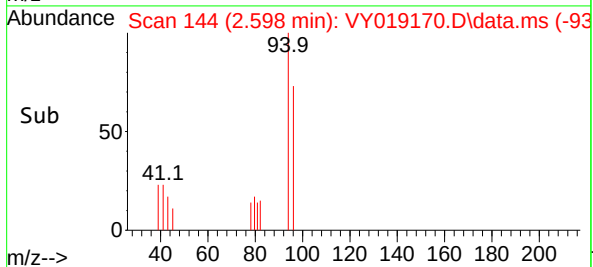
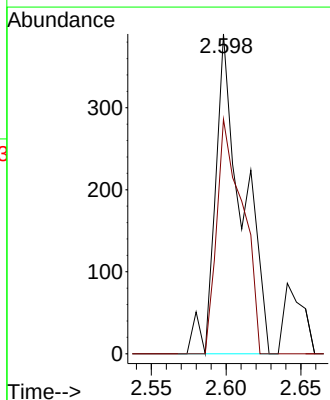
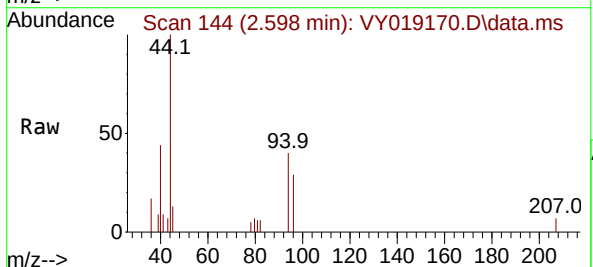
Instrument :
MSVOA_Y
ClientSampleId :

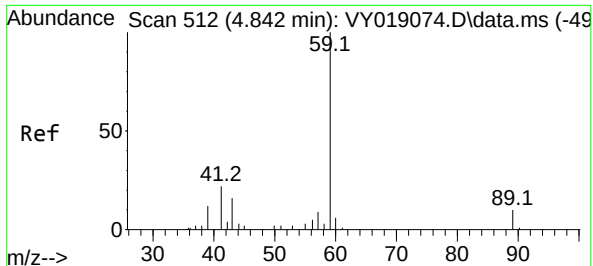
Tgt Ion:168 Resp: 87934
Ion Ratio Lower Upper
168 100
99 56.1 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 144
Delta R.T. 0.012 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

Tgt Ion: 94 Resp: 489
Ion Ratio Lower Upper
94 100
96 73.3 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.854 min Scan# 512

Delta R.T. 0.012 min

Lab File: VY019170.D

Acq: 21 Aug 2024 15:29

Instrument :

MSVOA_Y

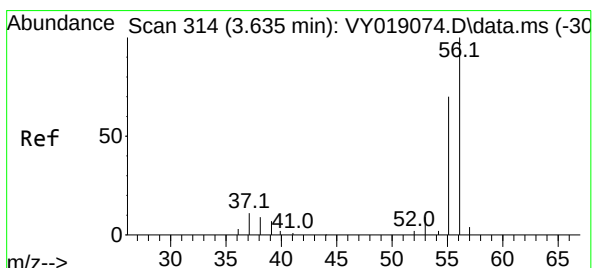
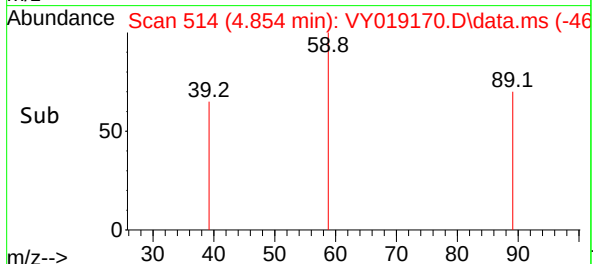
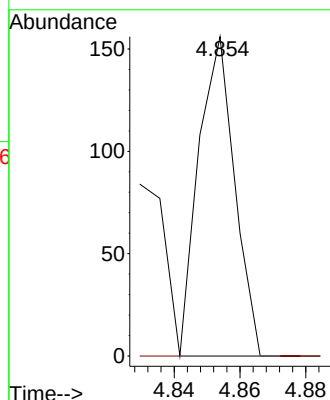
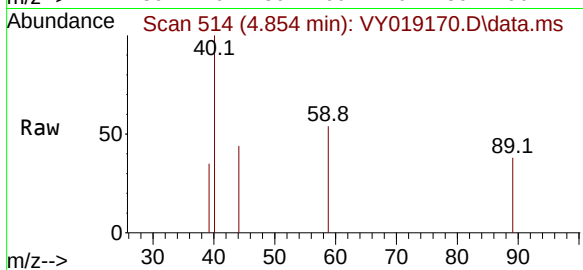
ClientSampleId :

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.635 min Scan# 314

Delta R.T. -0.000 min

Lab File: VY019170.D

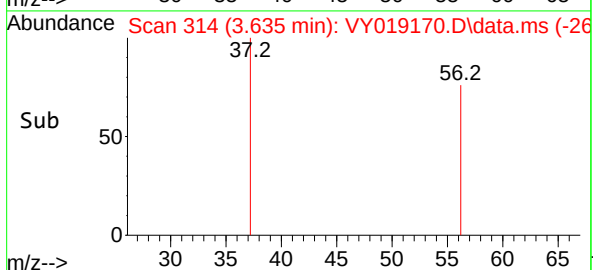
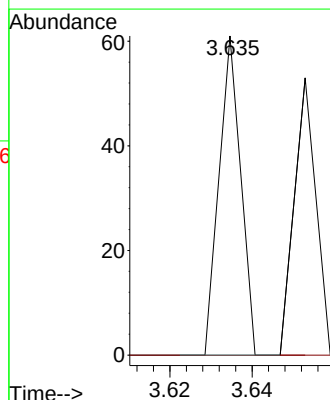
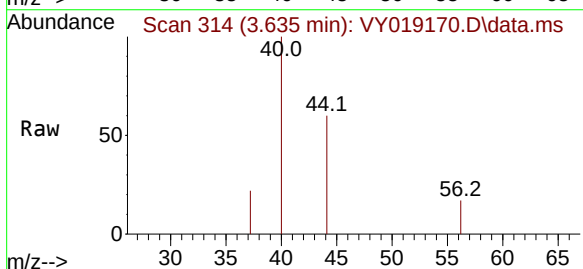
Acq: 21 Aug 2024 15:29

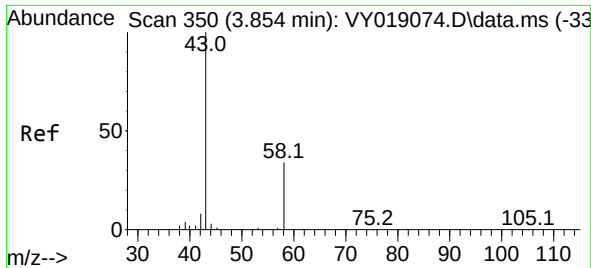
Tgt Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#





#16

Acetone

Concen: 1.933 ug/l

RT: 3.866 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY019170.D

Acq: 21 Aug 2024 15:29

Instrument :

MSVOA_Y

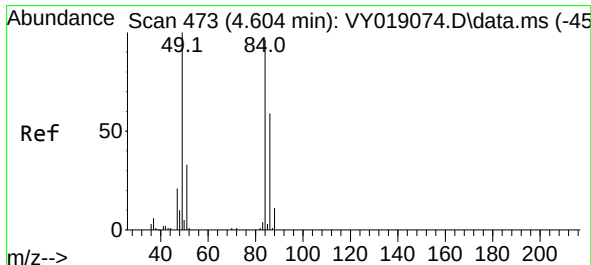
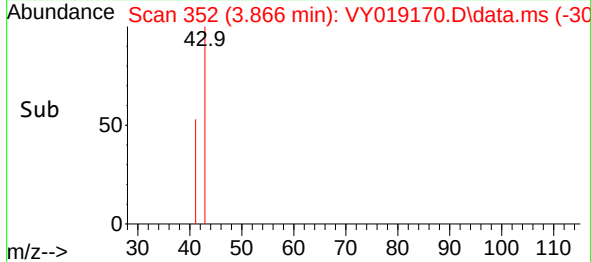
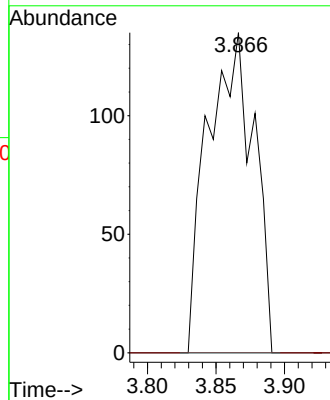
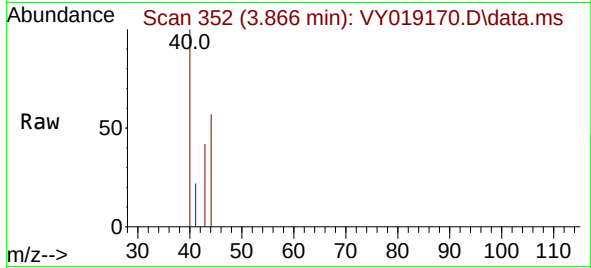
ClientSampleId :

Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019170.D

Acq: 21 Aug 2024 15:29

Tgt Ion: 84 Resp: 4290

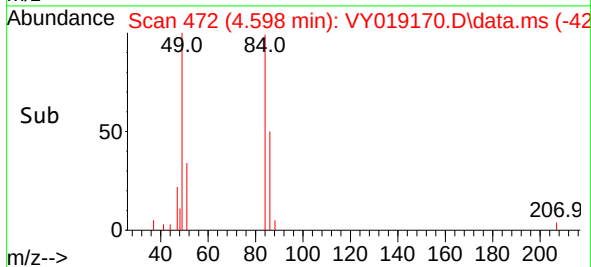
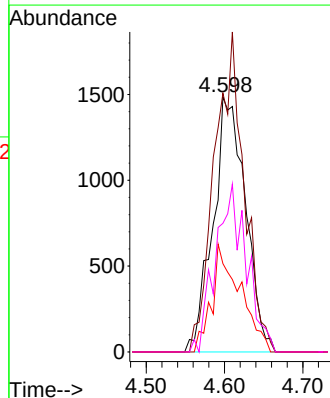
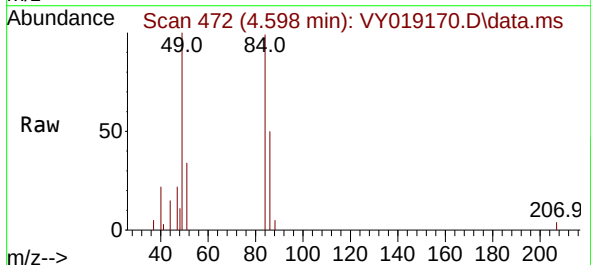
Ion Ratio Lower Upper

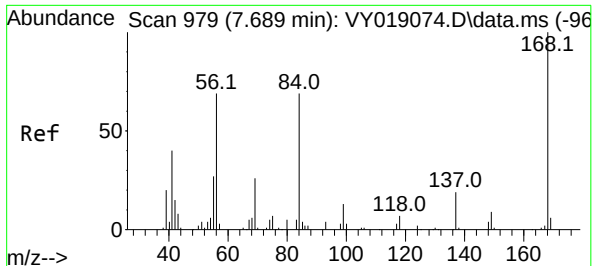
84 100

49 101.5 84.4 126.6

51 34.6 26.0 39.0

86 50.4 49.5 74.3

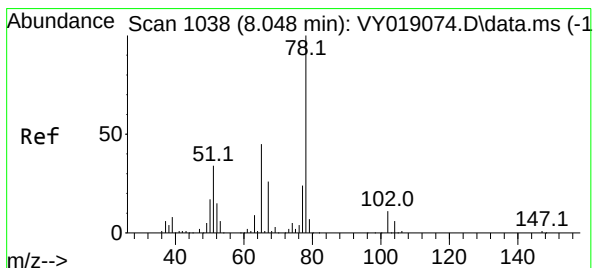
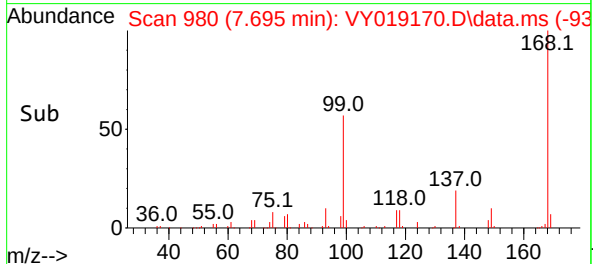
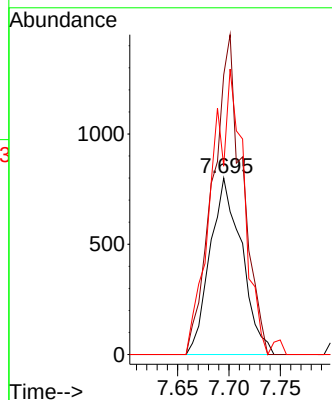
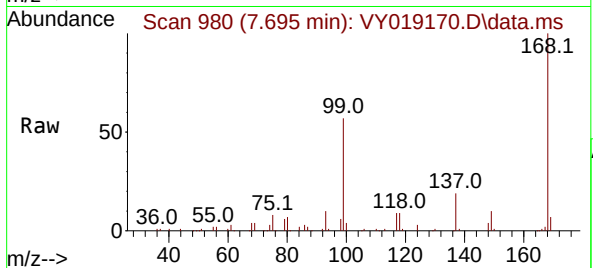




#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

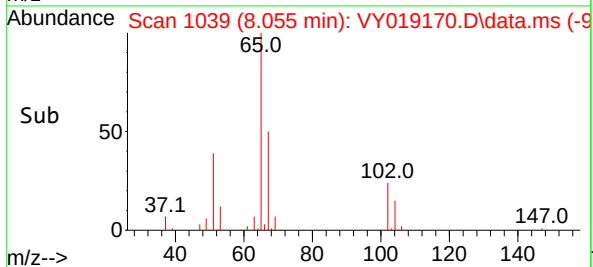
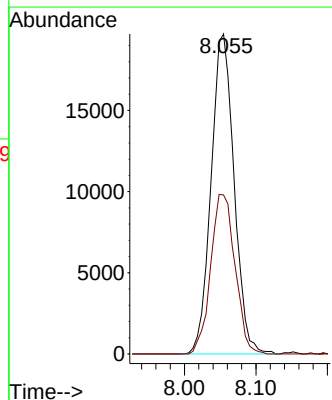
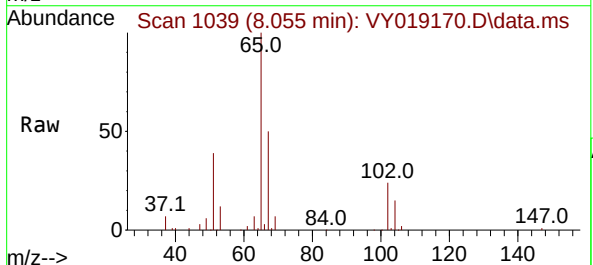
Instrument :
MSVOA_Y
ClientSampleId :

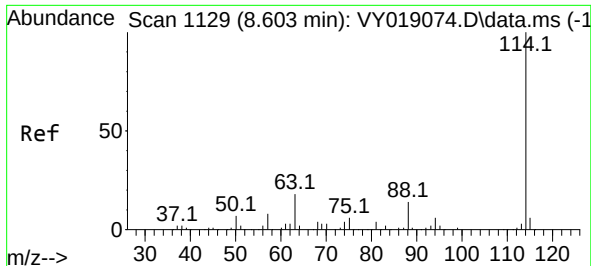
Tgt Ion: 56 Resp: 1720
Ion Ratio Lower Upper
56 100
69 158.5 28.7 43.1#
84 106.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 49.980 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

Tgt Ion: 65 Resp: 44056
Ion Ratio Lower Upper
65 100
67 52.8 0.0 109.6

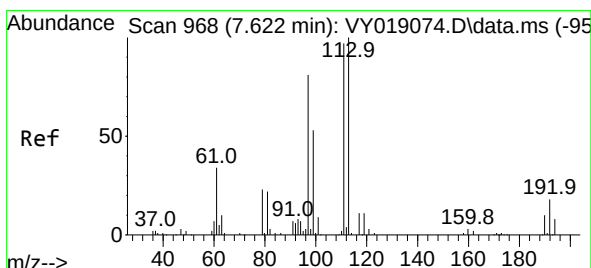
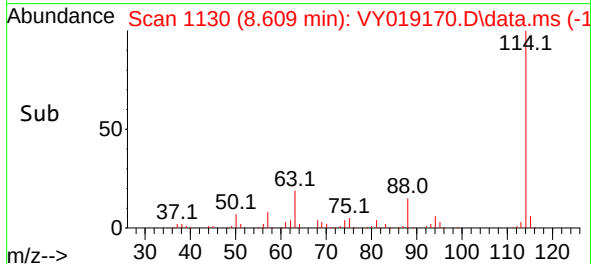
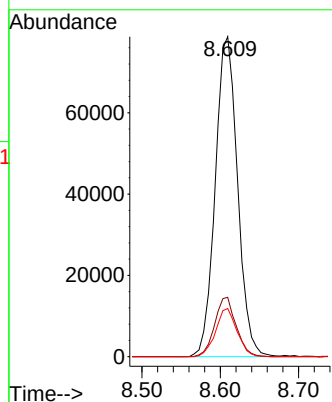
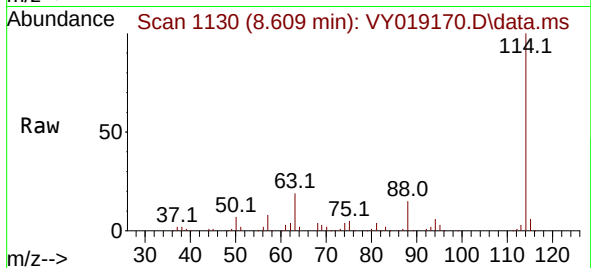




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

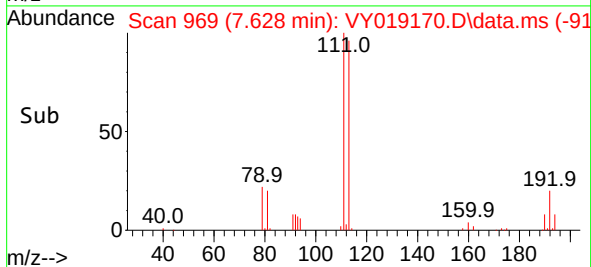
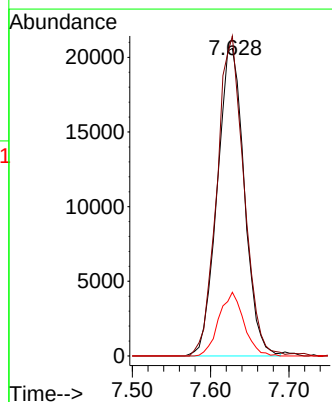
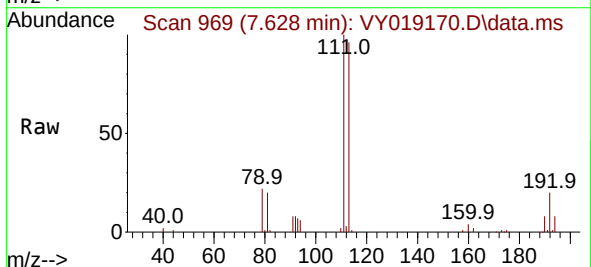
Instrument :
MSVOA_Y
ClientSampleId :

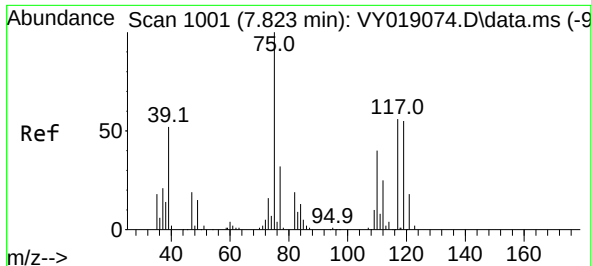
Tgt Ion:114 Resp: 155815
Ion Ratio Lower Upper
114 100
63 18.6 0.0 35.0
88 15.0 0.0 27.2



#35
Dibromofluoromethane
Concen: 48.725 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

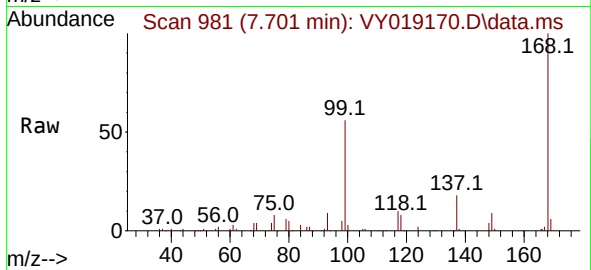
Tgt Ion:113 Resp: 49642
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 19.1 15.9 23.9



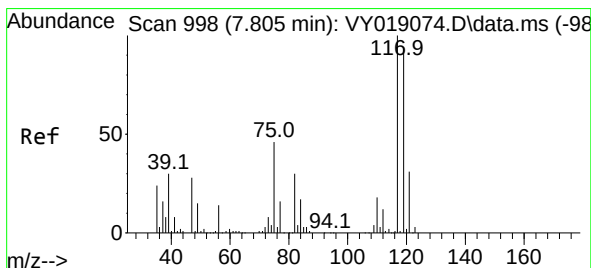
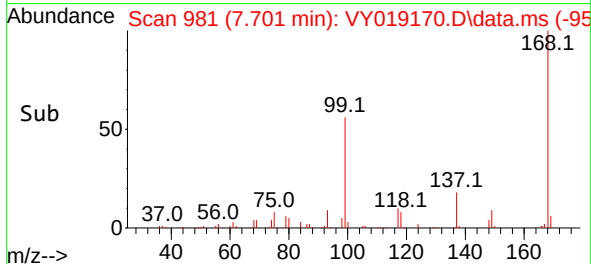
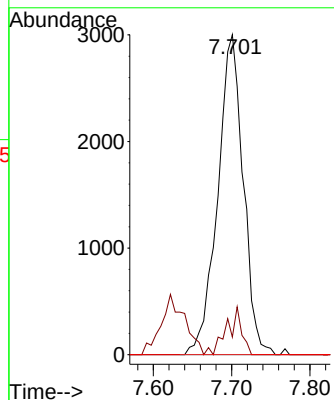


#36
 1,1-Dichloropropene
 Concen: 4.861 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.122 min
 Lab File: VY019170.D
 Acq: 21 Aug 2024 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :

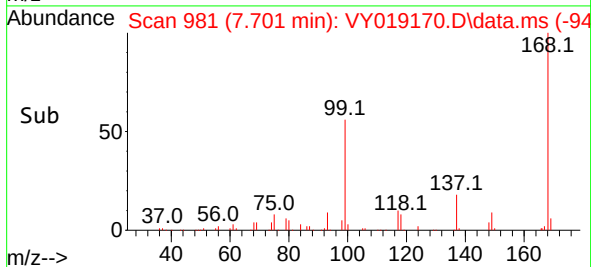
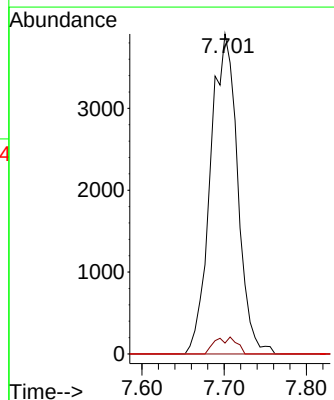
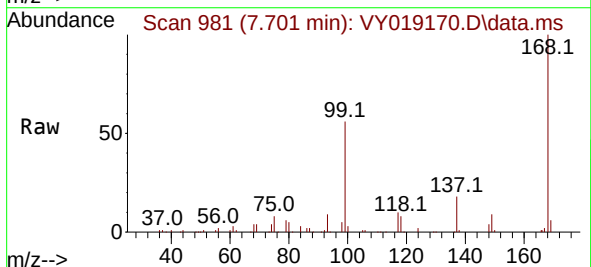


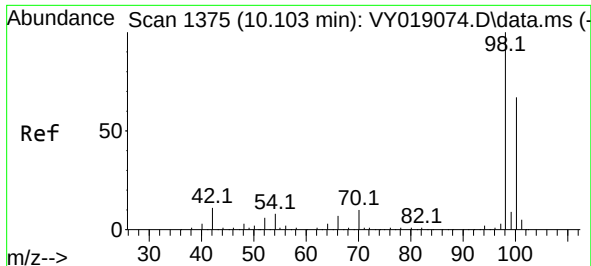
Tgt Ion: 75 Resp: 6801
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.542 ug/l
 RT: 7.701 min Scan# 981
 Delta R.T. -0.104 min
 Lab File: VY019170.D
 Acq: 21 Aug 2024 15:29

Tgt Ion: 117 Resp: 8986
 Ion Ratio Lower Upper
 117 100
 119 3.4 75.8 113.6#
 121 0.0 24.0 36.0#

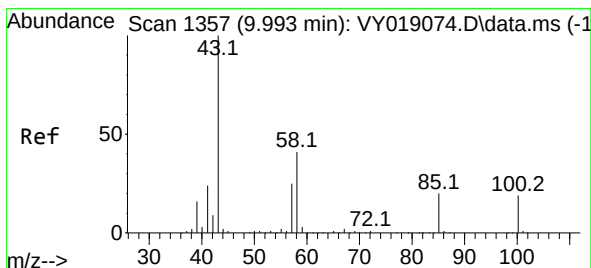
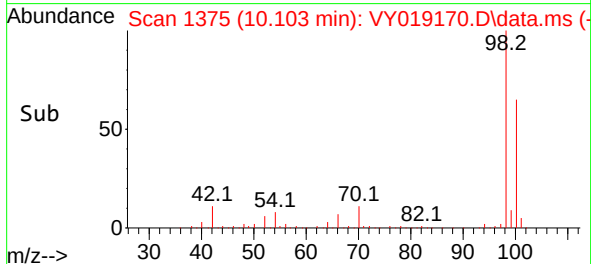
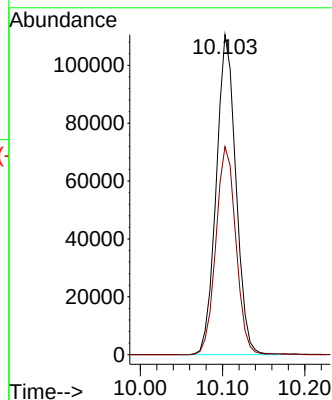
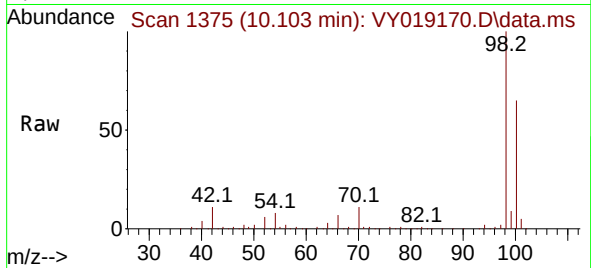




#50
Toluene-d8
Concen: 50.040 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

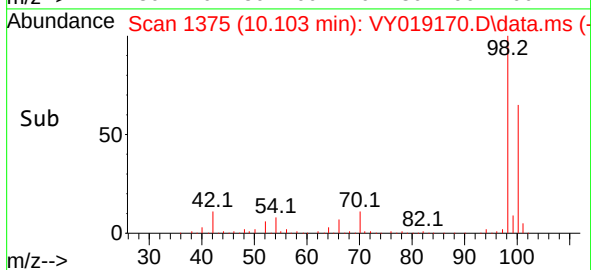
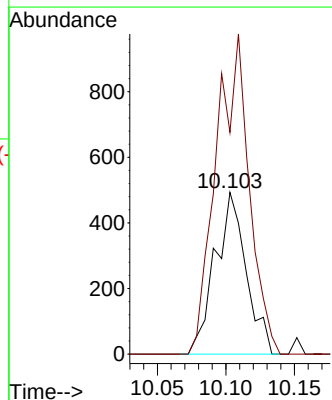
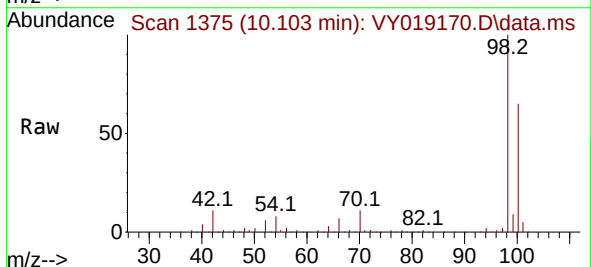
Instrument :
MSVOA_Y
ClientSampleId :

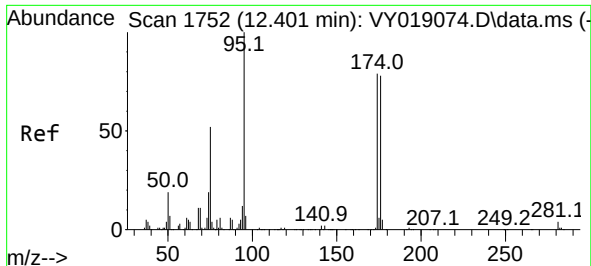
Tgt Ion: 98 Resp: 183464
Ion Ratio Lower Upper
98 100
100 66.1 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.165 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 211.5 35.7 53.5#

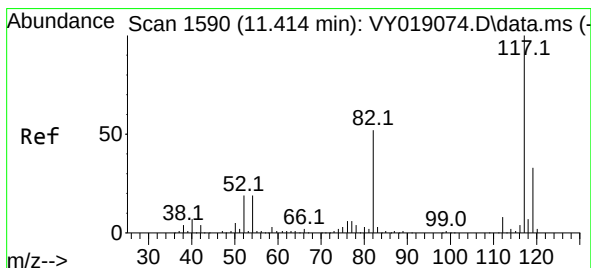
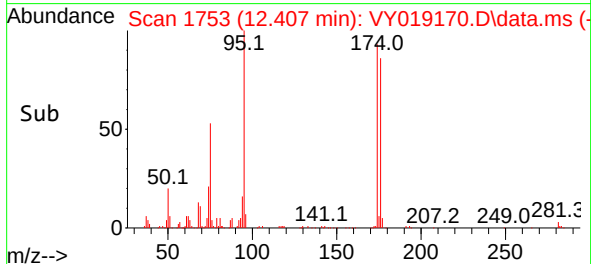
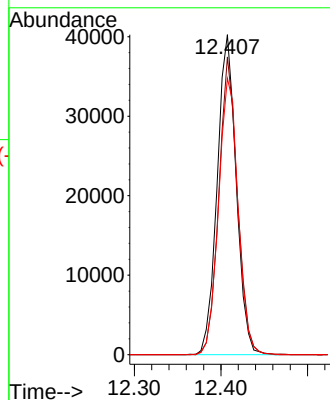
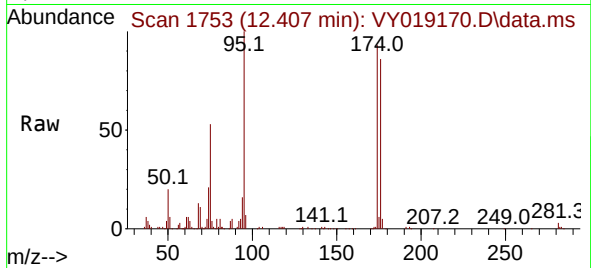




#62
4-Bromofluorobenzene
Concen: 49.207 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

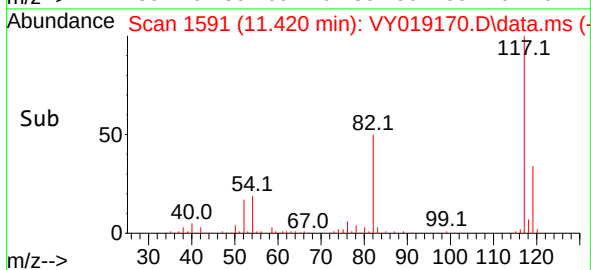
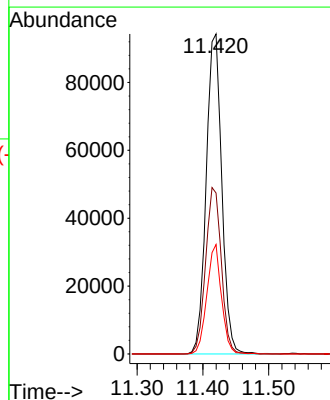
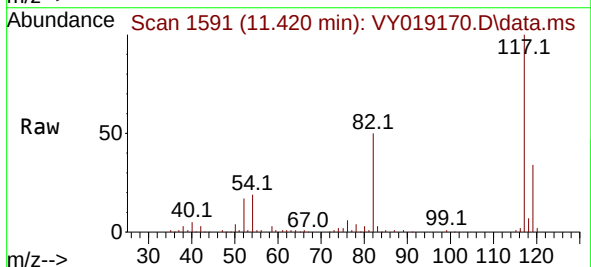
Instrument :
MSVOA_Y
ClientSampleId :

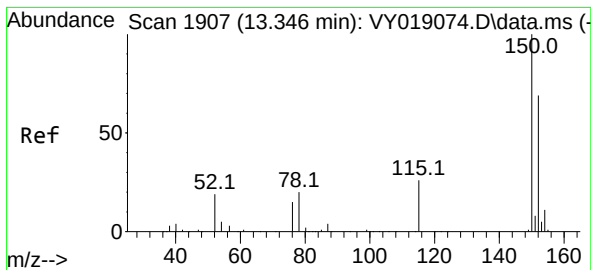
Tgt Ion: 95 Resp: 61501
Ion Ratio Lower Upper
95 100
174 90.9 0.0 175.6
176 88.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY019170.D
Acq: 21 Aug 2024 15:29

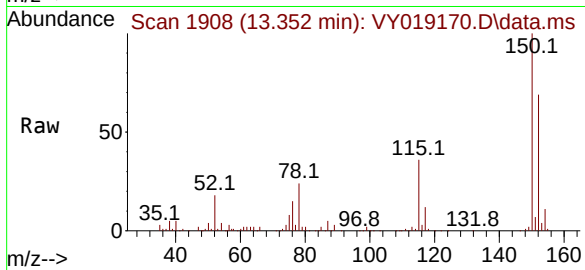
Tgt Ion: 117 Resp: 155537
Ion Ratio Lower Upper
117 100
82 50.3 42.4 63.6
119 34.2 25.9 38.9



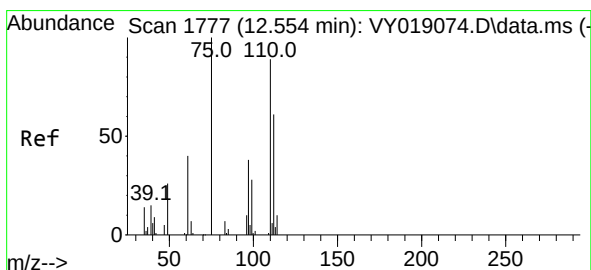
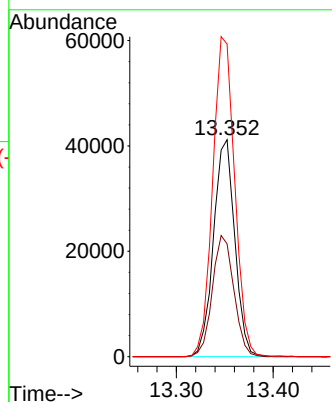
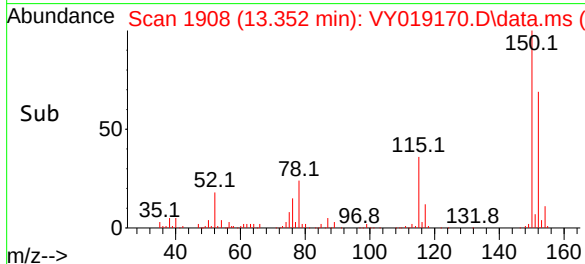


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY019170.D
 Acq: 21 Aug 2024 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :

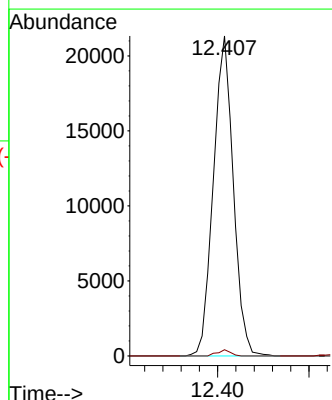
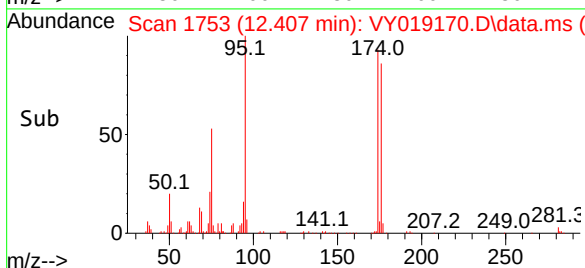
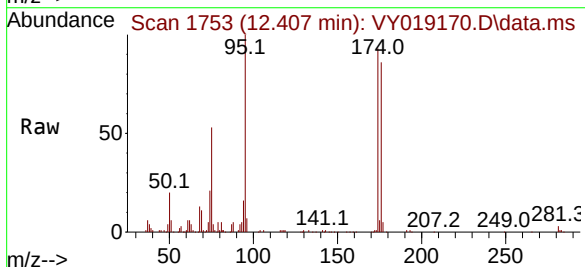


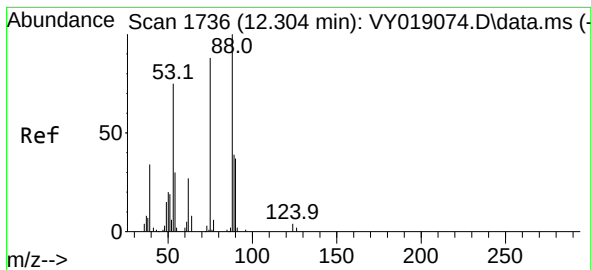
Tgt Ion:152 Resp: 62949
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.2 84.7
 150 152.2 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 51.947 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY019170.D
 Acq: 21 Aug 2024 15:29

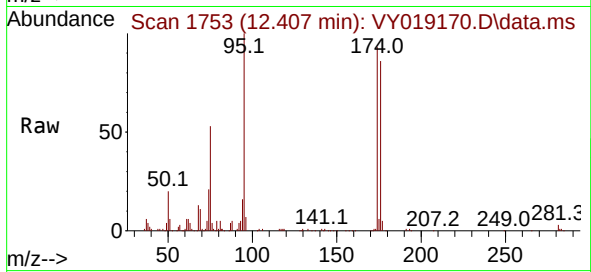
Tgt Ion: 75 Resp: 32248
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 128.291 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY019170.D
 Acq: 21 Aug 2024 15:29

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 32248
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.0 35.8 53.6#

