

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082724\
 Data File : VY019308.D
 Acq On : 28 Aug 2024 02:34
 Operator : SY/MD
 Sample : P3717-09
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 28 03:36:07 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)

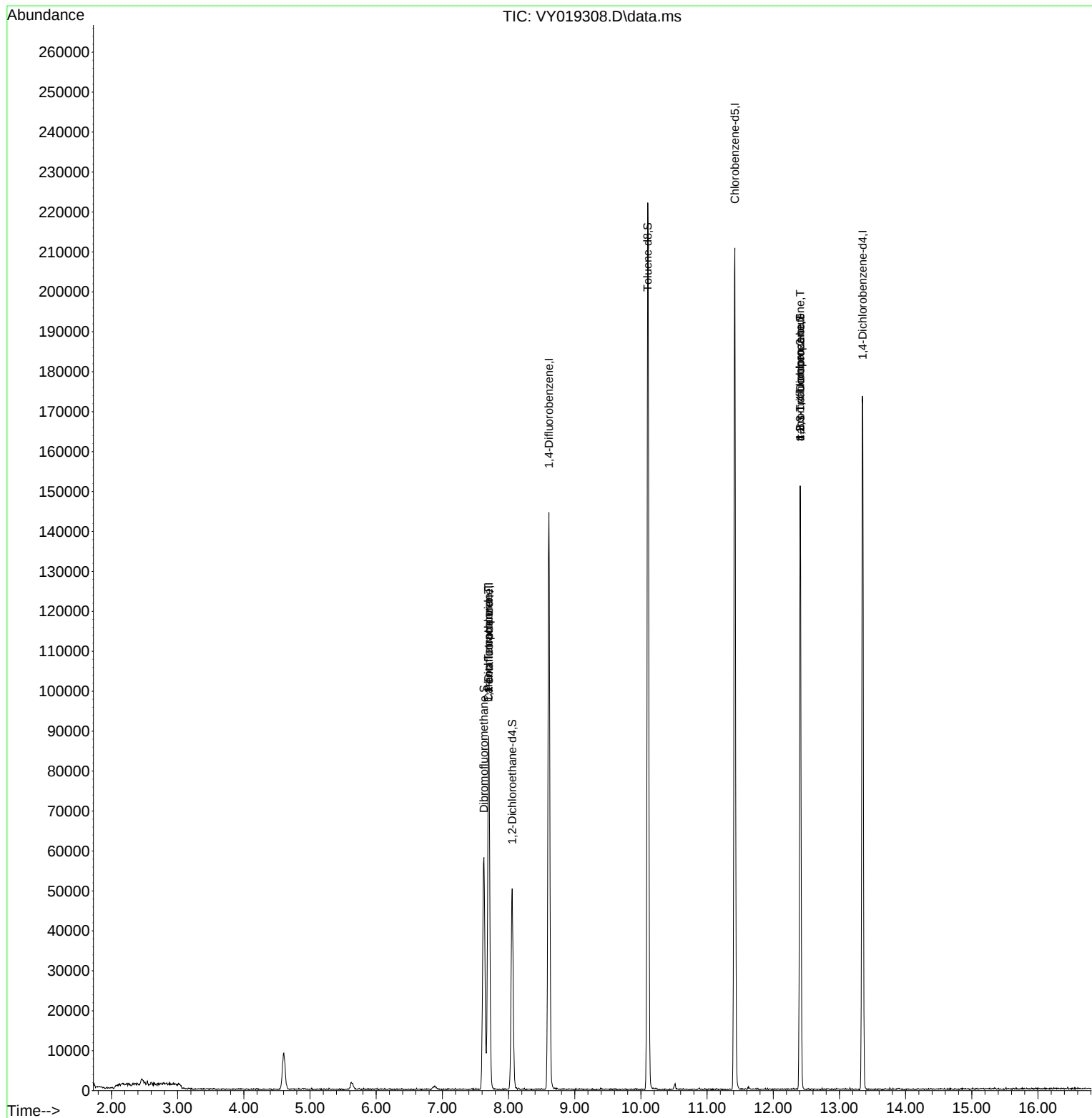
Internal Standards						
1) Pentafluorobenzene	7.701	168	70908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	127660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	115834	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	46154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	37488	52.741	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.480%	
35) Dibromofluoromethane	7.628	113	40799	48.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.760%	
50) Toluene-d8	10.103	98	145826	48.546	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.408	95	43668	42.644	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.280%	
Target Compounds						
						Qvalue
5) Bromomethane	2.604	94	141	Below Cal	#	77
6) Chloroethane	2.775	64	21	Below Cal	#	42
11) Tert butyl alcohol	4.836	59	47	Below Cal	#	88
20) Methylene Chloride	4.598	84	6152	Below Cal	#	86
31) Cyclohexane	7.701	56	1395	Below Cal	#	53
36) 1,1-Dichloropropene	7.695	75	5059	4.414	ug/l #	51
38) Carbon Tetrachloride	7.695	117	7309	5.502	ug/l #	18
76) 1,2,3-Trichloropropane	12.408	75	22626	49.710	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	22626	122.766	ug/l #	16

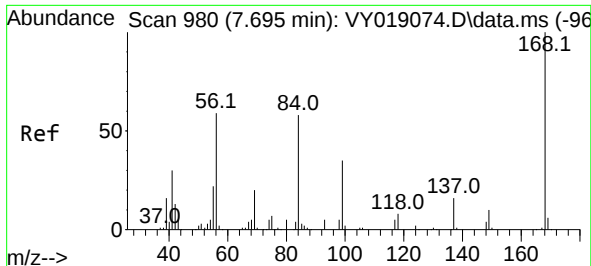
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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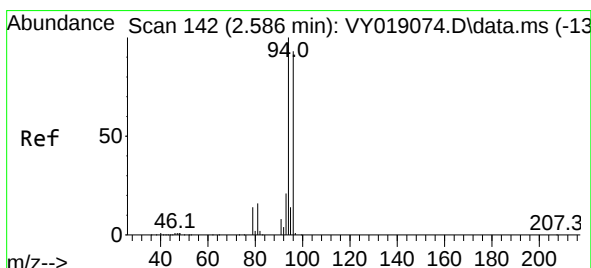
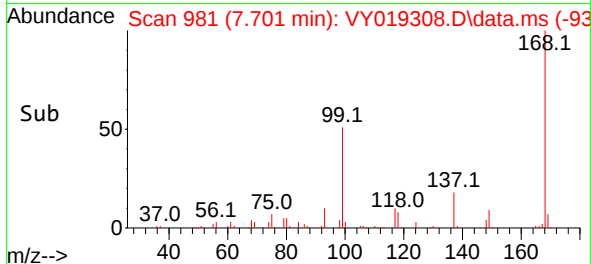
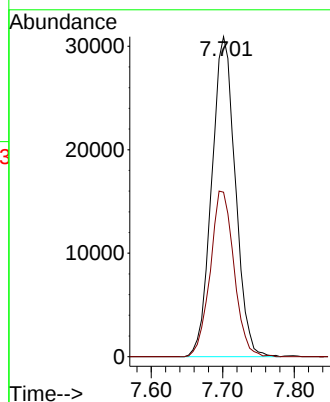
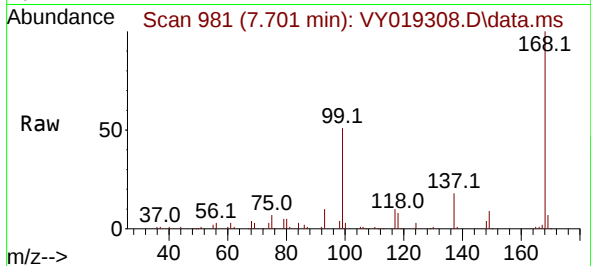




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34

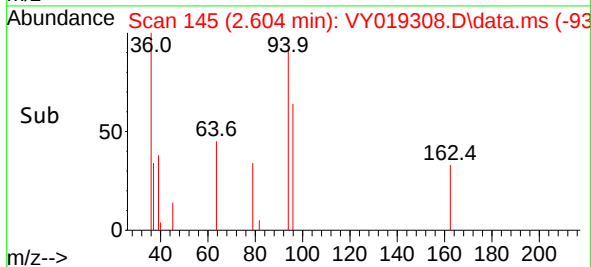
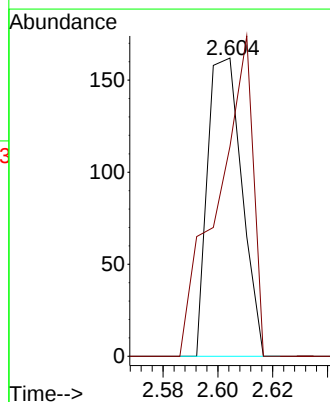
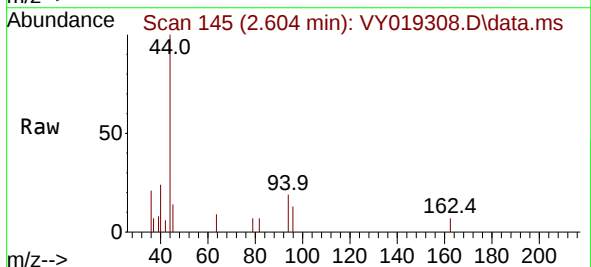
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 70908
Ion Ratio Lower Upper
168 100
99 51.4 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.604 min Scan# 145
Delta R.T. 0.018 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34

Tgt Ion: 94 Resp: 141
Ion Ratio Lower Upper
94 100
96 70.4 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.836 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Instrument :

MSVOA_Y

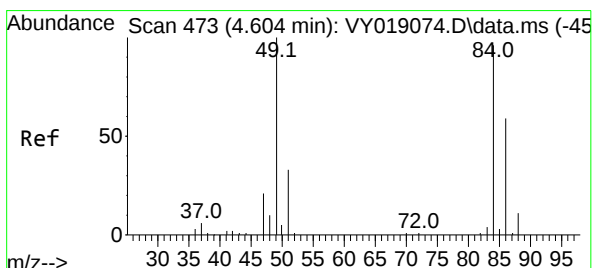
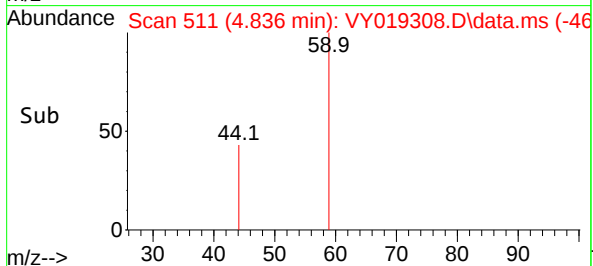
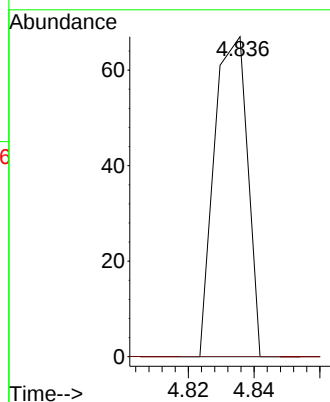
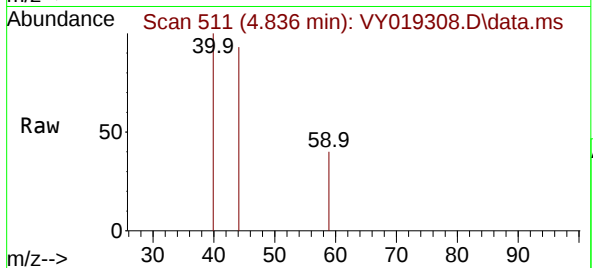
ClientSampleId :

Tgt Ion: 59 Resp: 47

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Tgt Ion: 84 Resp: 6152

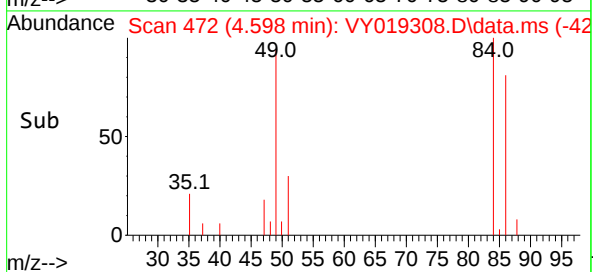
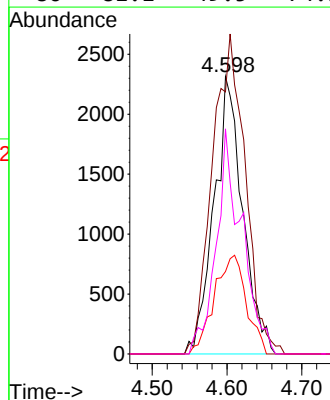
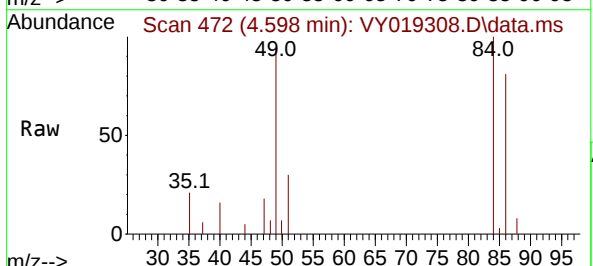
Ion Ratio Lower Upper

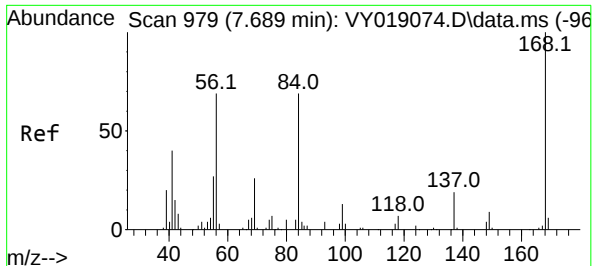
84 100

49 94.5 84.4 126.6

51 29.7 26.0 39.0

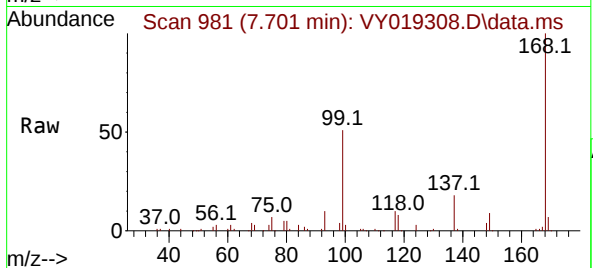
86 81.1 49.5 74.3#



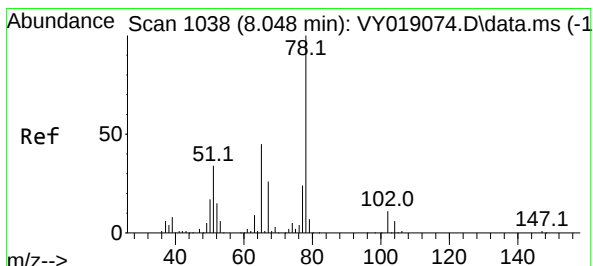
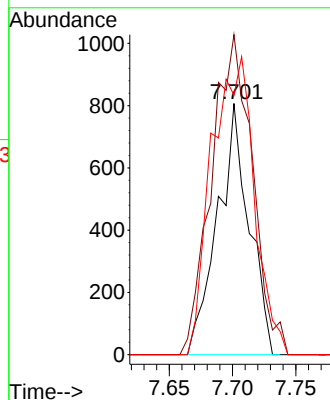
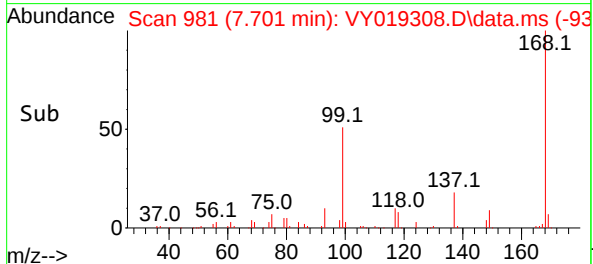


#31
Cyclohexane
Concen: Below Cal
RT: 7.701 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34

Instrument :
MSVOA_Y
ClientSampleId :

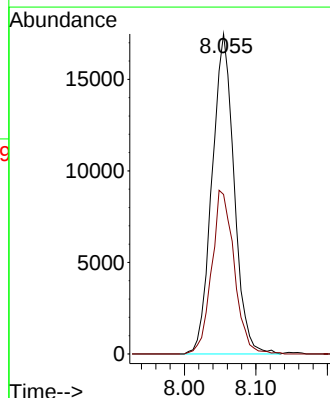
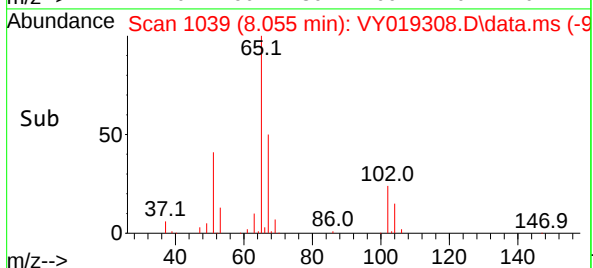
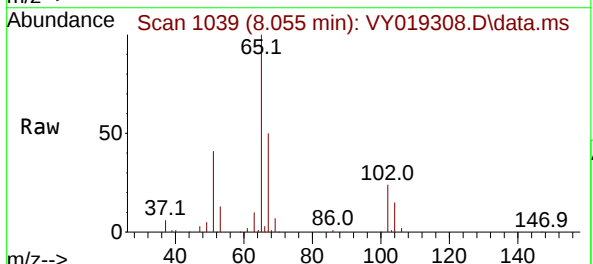


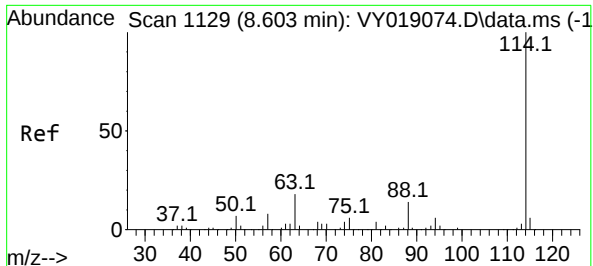
Tgt Ion: 56 Resp: 1395
Ion Ratio Lower Upper
56 100
69 127.4 28.7 43.1#
84 103.2 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 52.741 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34

Tgt Ion: 65 Resp: 37488
Ion Ratio Lower Upper
65 100
67 52.3 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: VY019308.D

Acq: 28 Aug 2024 02:34

Instrument :

MSVOA_Y

ClientSampleId :

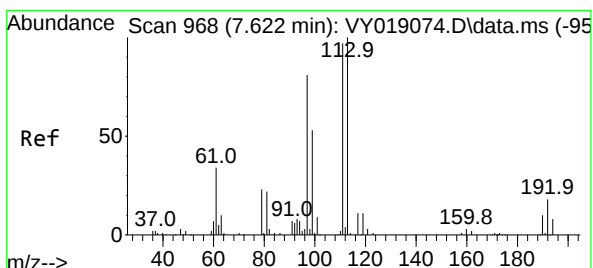
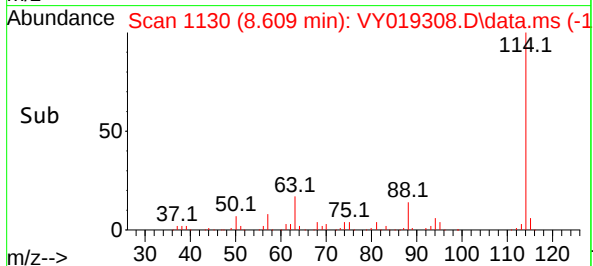
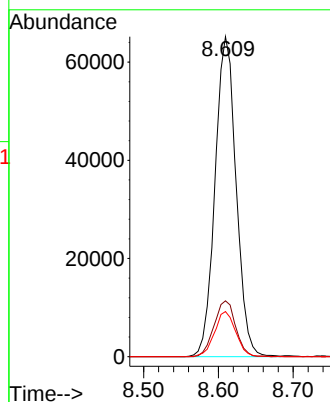
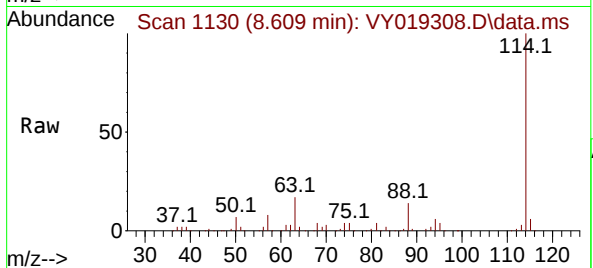
Tgt Ion:114 Resp: 127660

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 14.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.878 ug/l

RT: 7.628 min Scan# 969

Delta R.T. 0.006 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

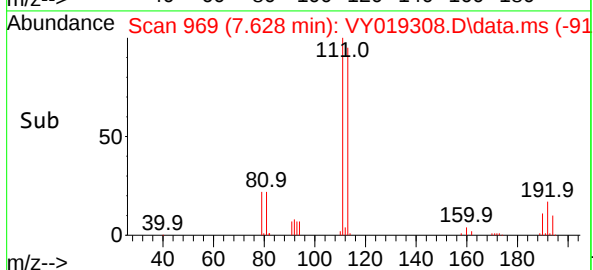
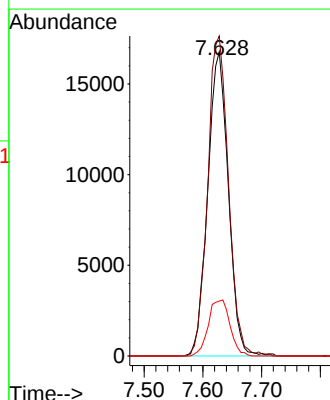
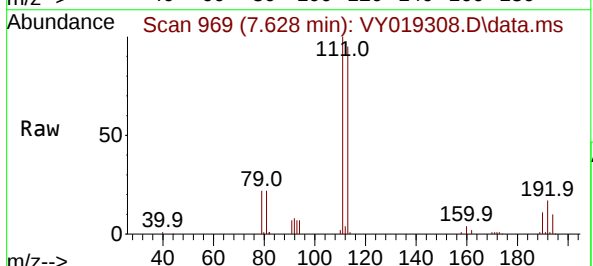
Tgt Ion:113 Resp: 40799

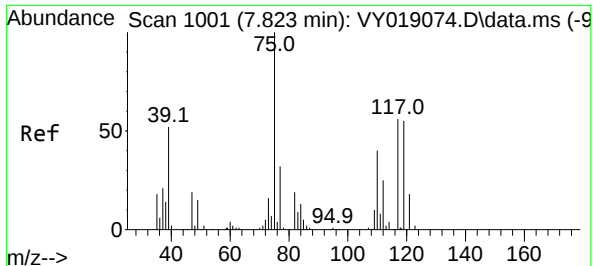
Ion Ratio Lower Upper

113 100

111 106.1 82.2 123.4

192 19.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.414 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Instrument :

MSVOA_Y

ClientSampleId :

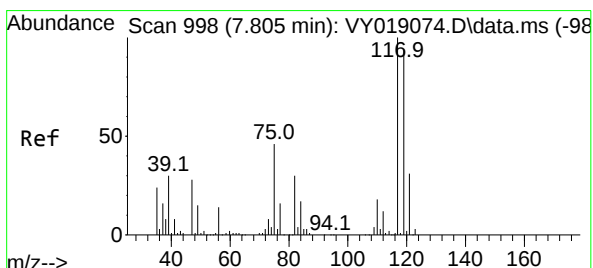
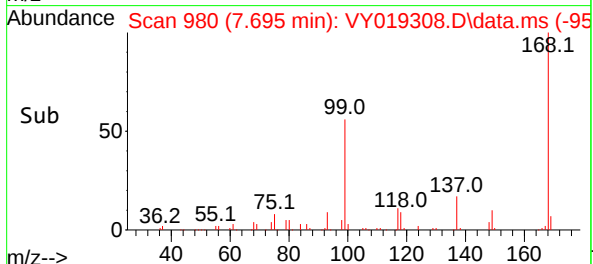
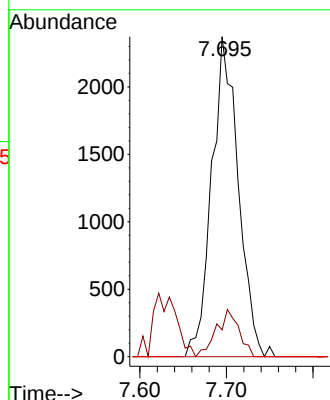
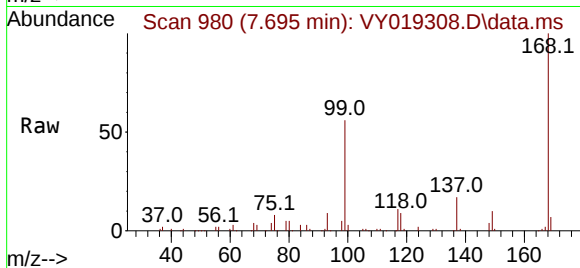
Tgt Ion: 75 Resp: 5059

Ion Ratio Lower Upper

75 100

110 12.5 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.502 ug/l

RT: 7.695 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

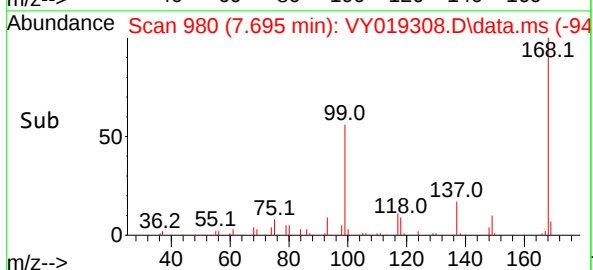
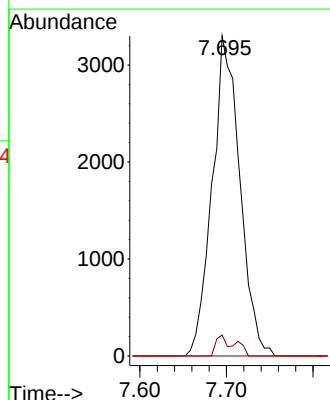
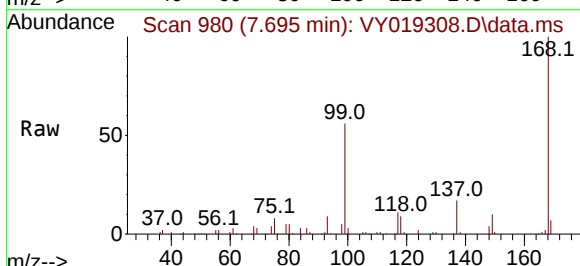
Tgt Ion: 117 Resp: 7309

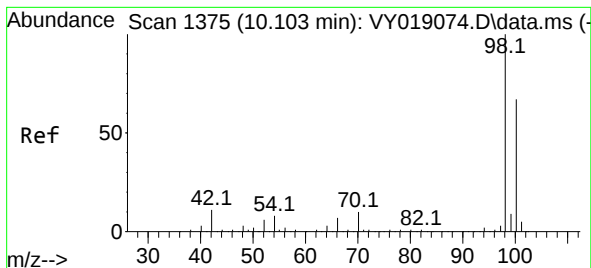
Ion Ratio Lower Upper

117 100

119 6.6 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 48.546 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Instrument :

MSVOA_Y

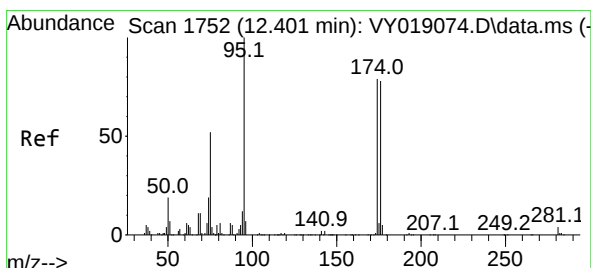
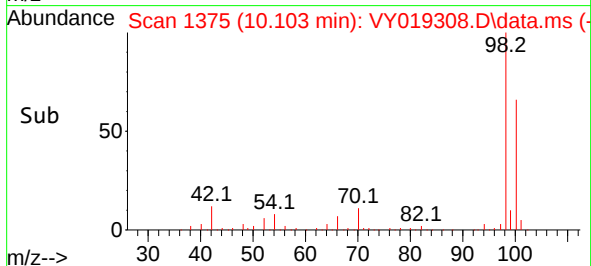
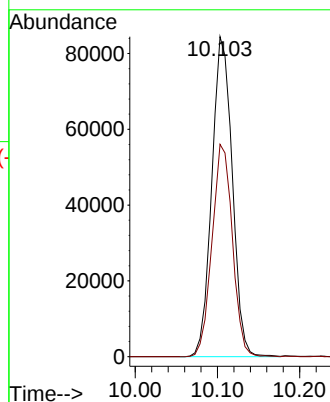
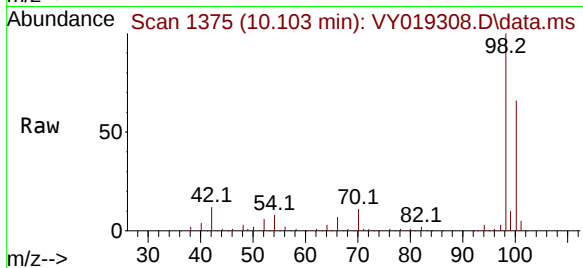
ClientSampleId :

Tgt Ion: 98 Resp: 145826

Ion Ratio Lower Upper

98 100

100 66.2 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 42.644 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

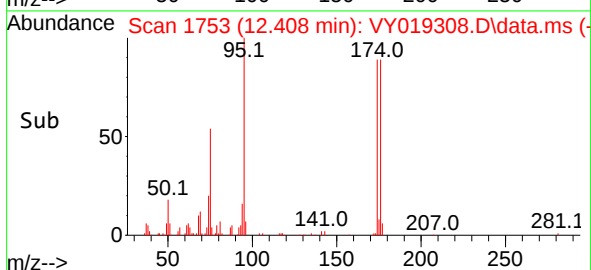
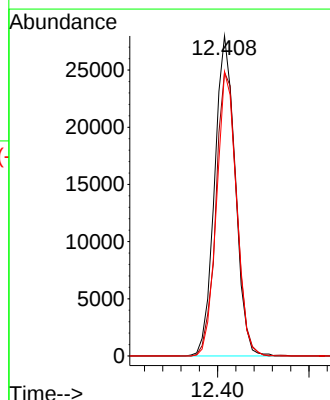
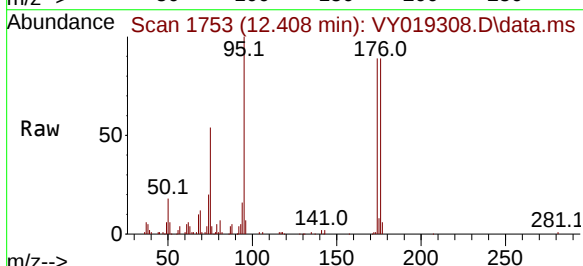
Tgt Ion: 95 Resp: 43668

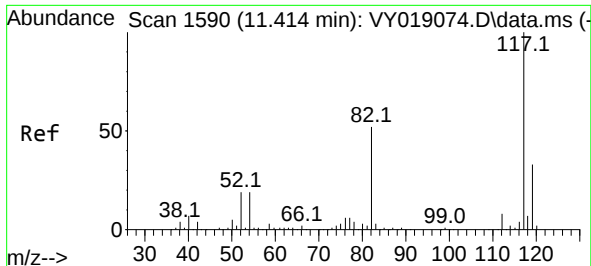
Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.6

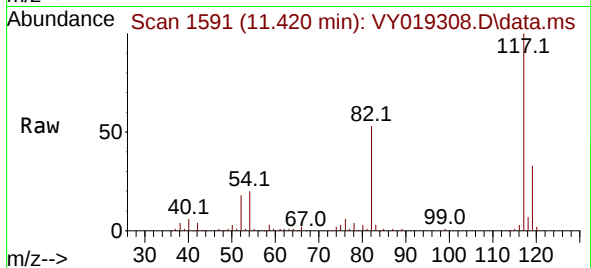
176 86.2 0.0 171.4



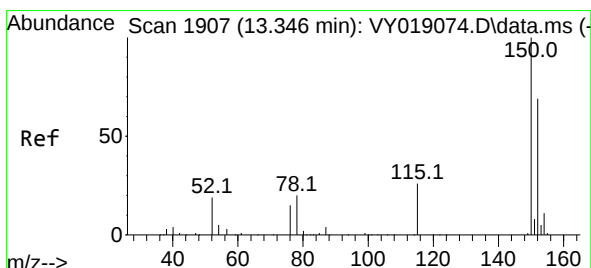
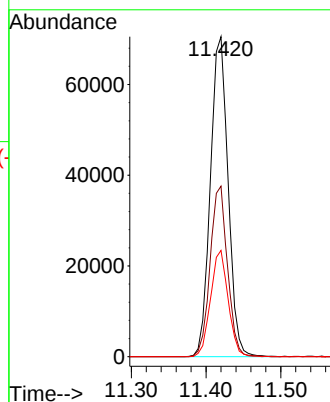
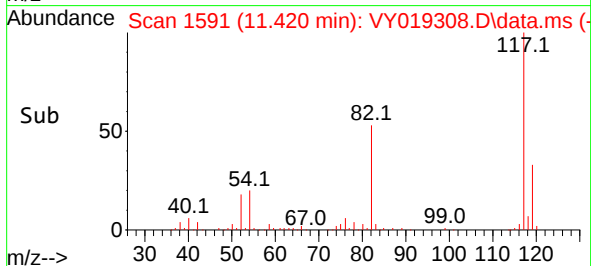


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 115834
Delta R.T. 0.006 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34

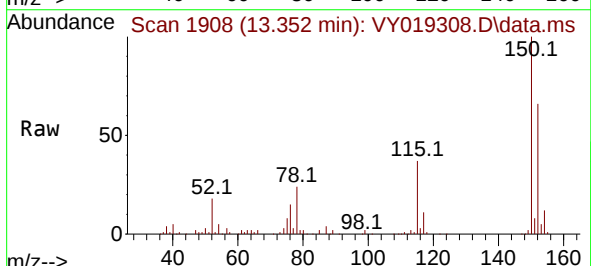
Instrument :
MSVOA_Y
ClientSampleId :



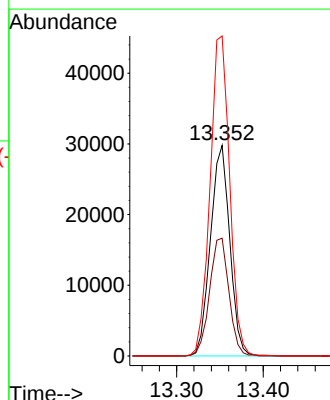
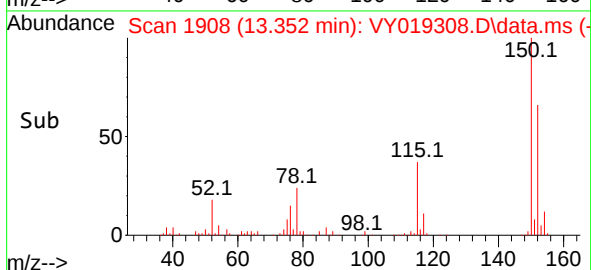
Tgt Ion:117 Resp: 115834
Ion Ratio Lower Upper
117 100
82 53.3 42.4 63.6
119 33.2 25.9 38.9

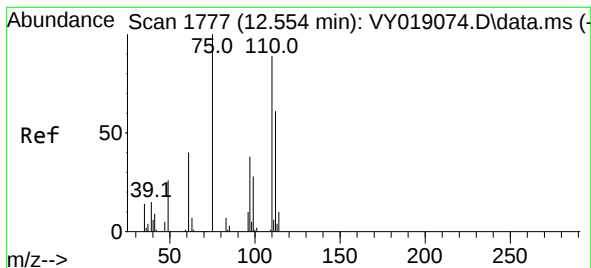


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY019308.D
Acq: 28 Aug 2024 02:34



Tgt Ion:152 Resp: 46154
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 154.2 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 49.710 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Instrument :

MSVOA_Y

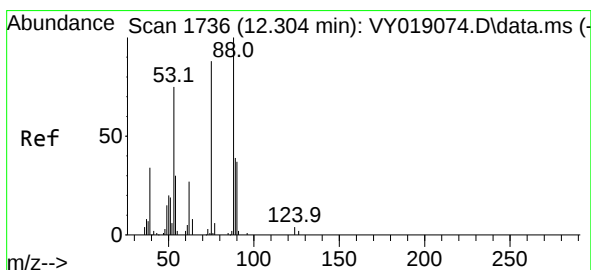
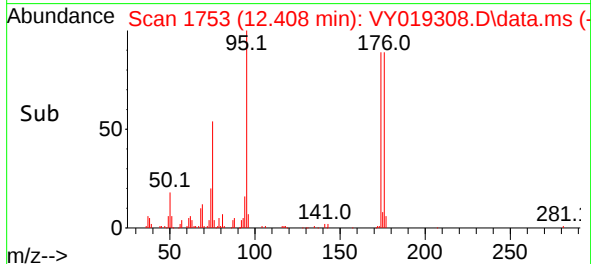
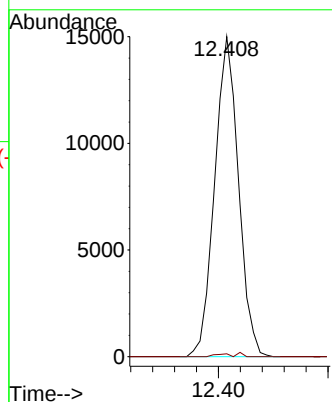
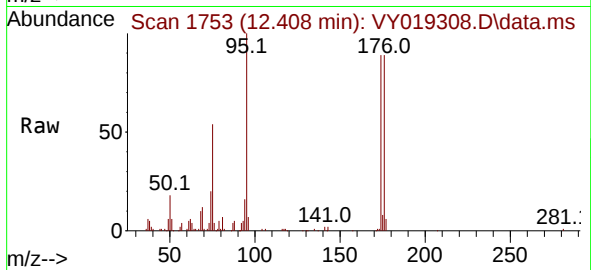
ClientSampleId :

Tgt Ion: 75 Resp: 22626

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 122.766 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.104 min

Lab File: VY019308.D

Acq: 28 Aug 2024 02:34

Tgt Ion: 75 Resp: 22626

Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

89 0.0 35.8 53.6#

