

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083024\
 Data File : VY019402.D
 Acq On : 30 Aug 2024 17:46
 Operator : SY/MD
 Sample : P3732-03
 Misc : 6.90g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 30 23:18:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082924S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 30 02:45:30 2024
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

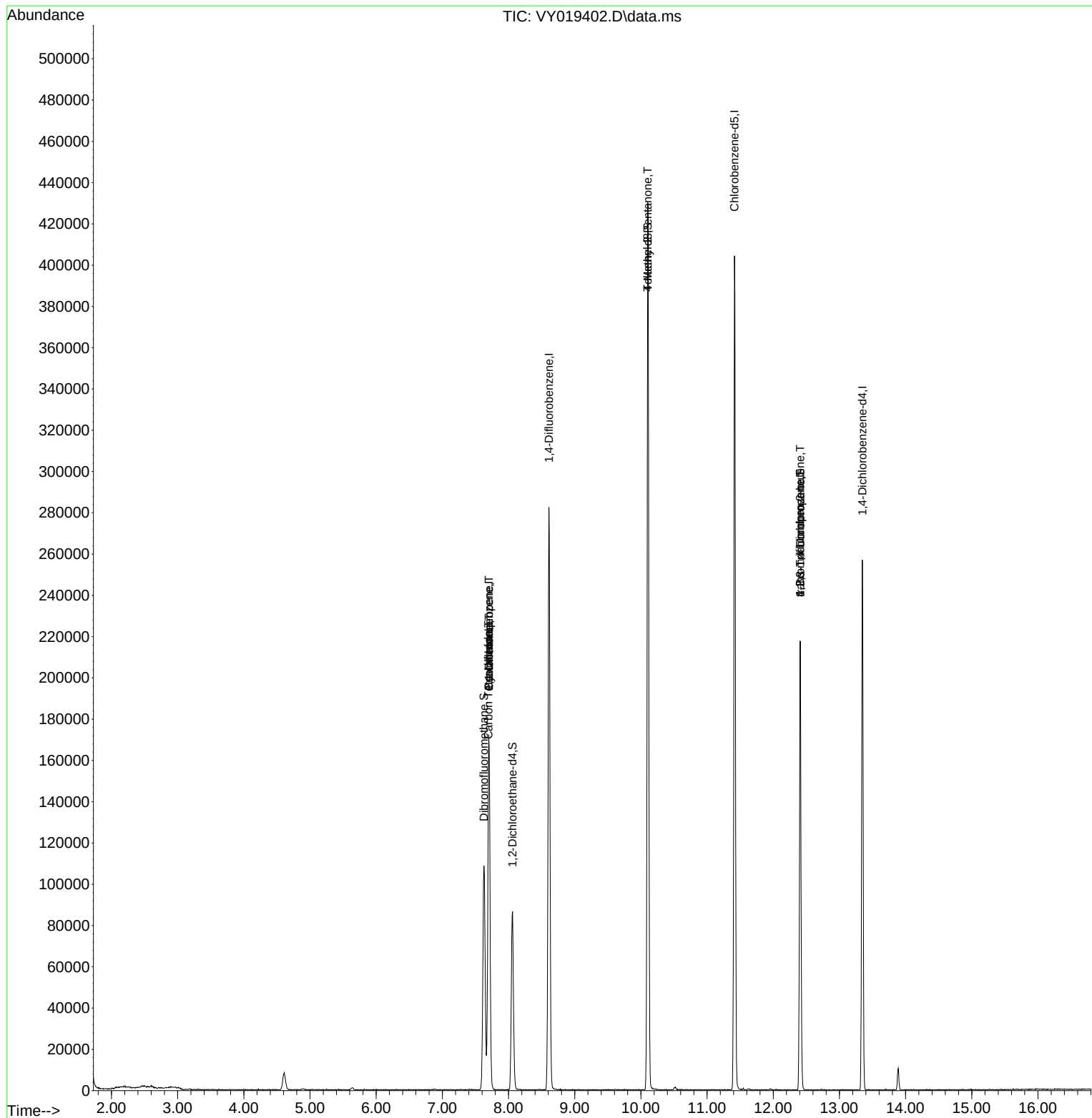
Internal Standards						
1) Pentafluorobenzene	7.701	168	136236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	248635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	218607	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	63855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	70717	54.803	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.600%	
35) Dibromofluoromethane	7.628	113	78626	50.018	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.040%	
50) Toluene-d8	10.103	98	274781	47.485	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.980%	
62) 4-Bromofluorobenzene	12.408	95	60417	32.280	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 64.560%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.599	94	139	Below Cal	#	3
20) Methylene Chloride	4.610	84	5953	Below Cal	#	90
31) Cyclohexane	7.701	56	2794	1.273	ug/l #	43
36) 1,1-Dichloropropene	7.701	75	10039	4.519	ug/l #	48
38) Carbon Tetrachloride	7.695	117	13631	5.035	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	1454	1.618	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	32589	58.114	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	32589	143.779	ug/l #	16

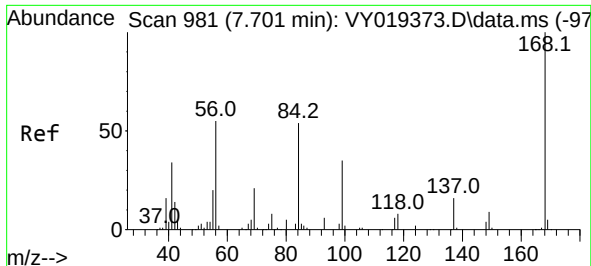
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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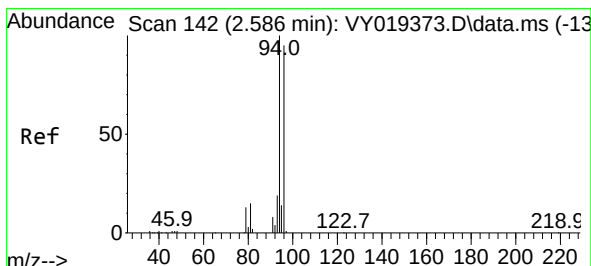
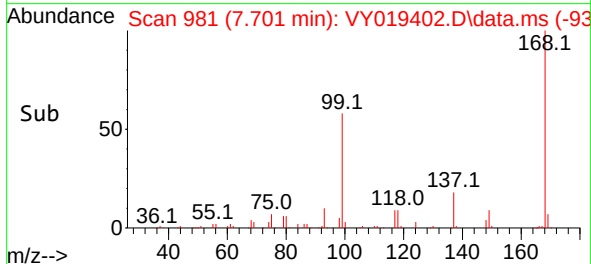
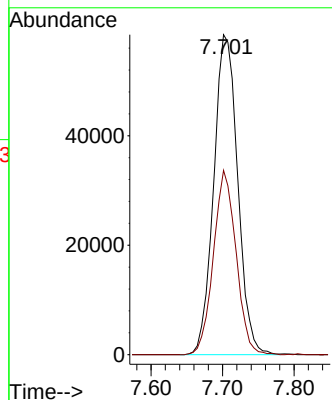
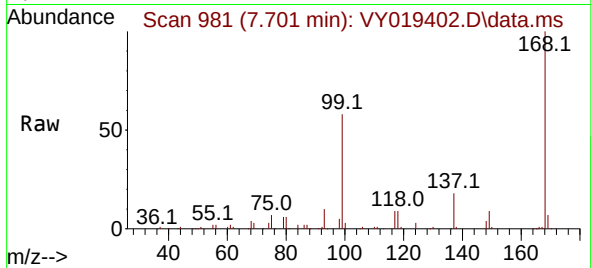




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

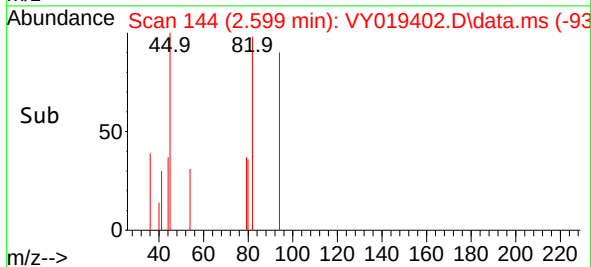
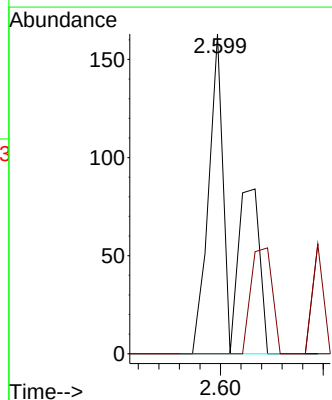
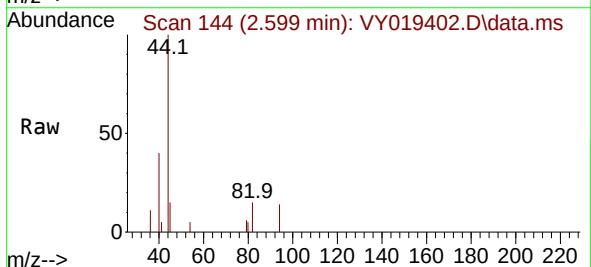
Instrument :
MSVOA_Y
ClientSampleId :

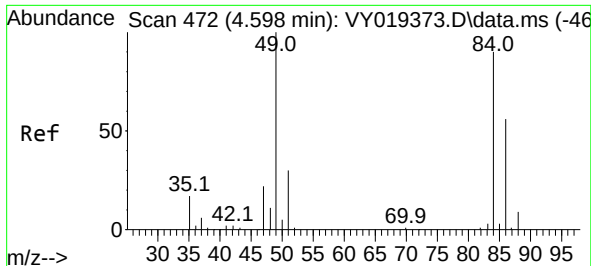
Tgt Ion:168 Resp: 136236
Ion Ratio Lower Upper
168 100
99 57.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.599 min Scan# 144
Delta R.T. 0.013 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.610 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 5953

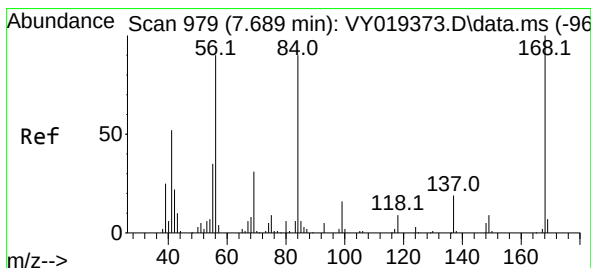
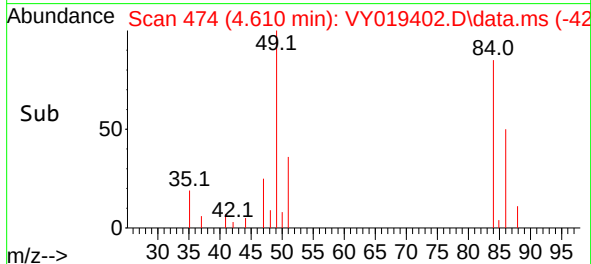
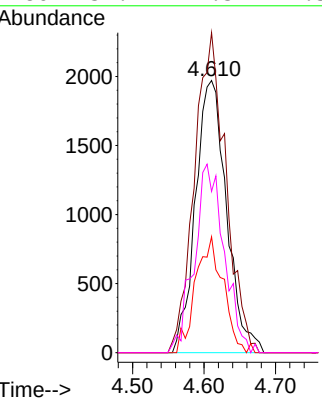
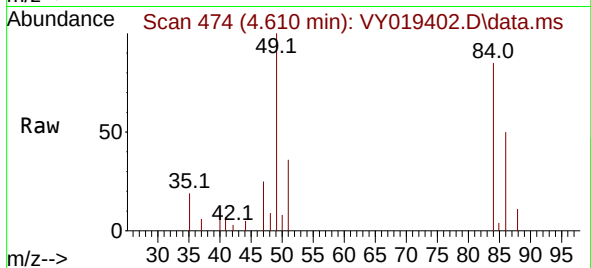
Ion Ratio Lower Upper

84 100

49 117.6 84.4 126.6

51 42.5 26.0 39.0#

86 59.2 49.5 74.3



#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

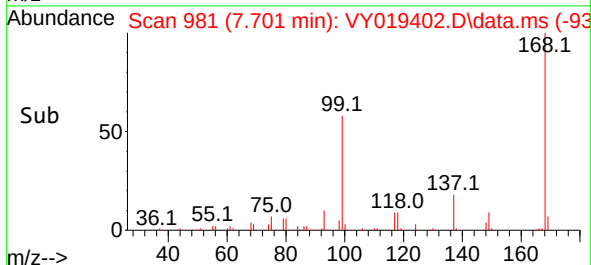
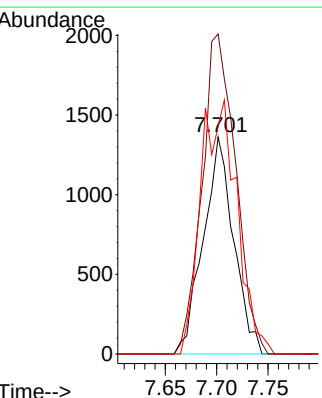
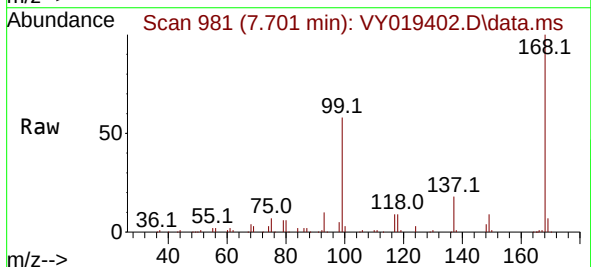
Tgt Ion: 56 Resp: 2794

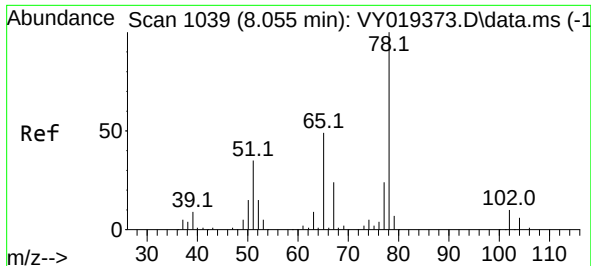
Ion Ratio Lower Upper

56 100

69 147.6 28.7 43.1#

84 104.8 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 54.803 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

Instrument :

MSVOA_Y

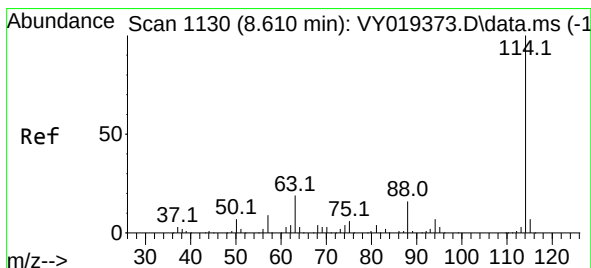
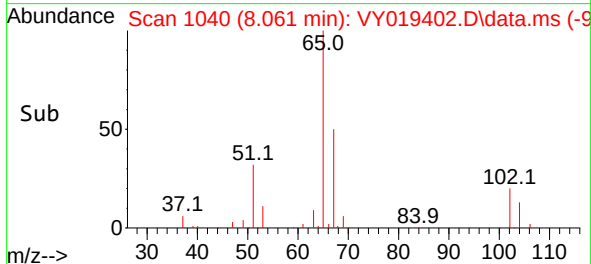
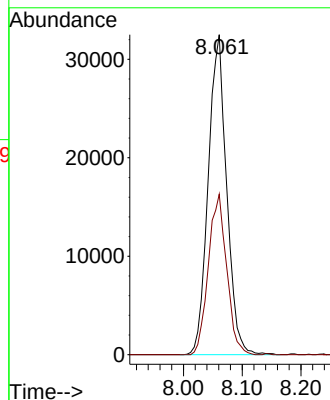
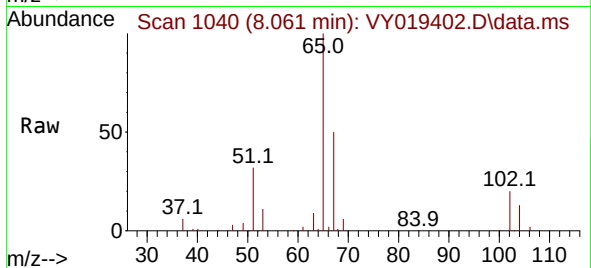
ClientSampleId :

Tgt Ion: 65 Resp: 70717

Ion Ratio Lower Upper

65 100

67 49.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

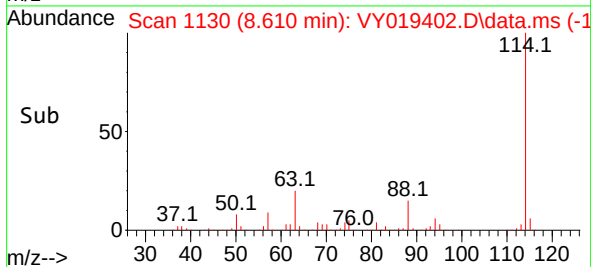
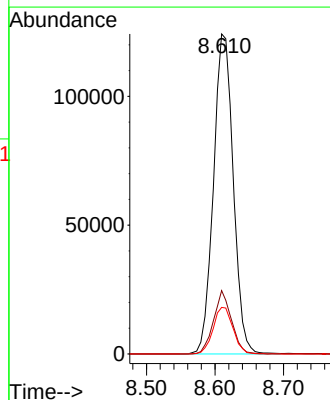
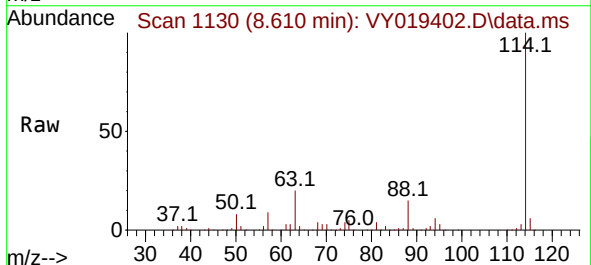
Tgt Ion: 114 Resp: 248635

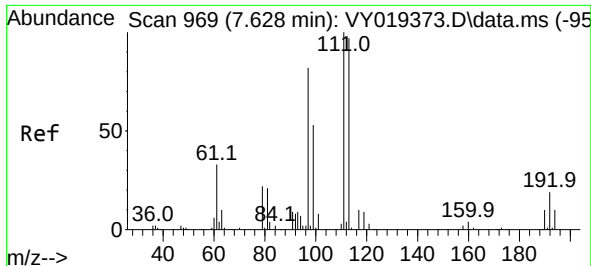
Ion Ratio Lower Upper

114 100

63 19.8 0.0 35.0

88 14.5 0.0 27.2

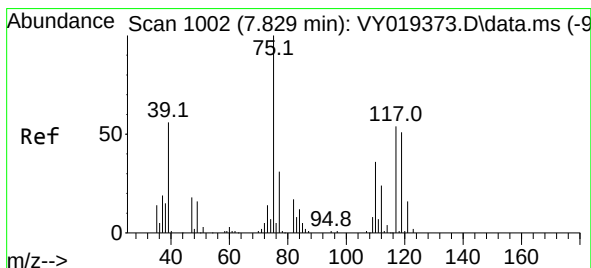
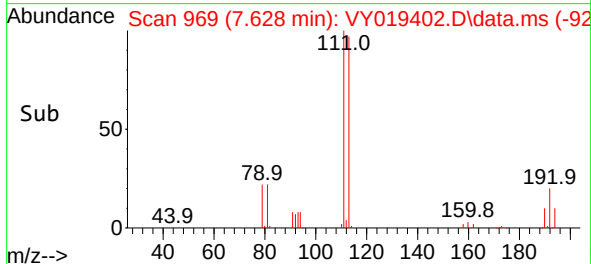
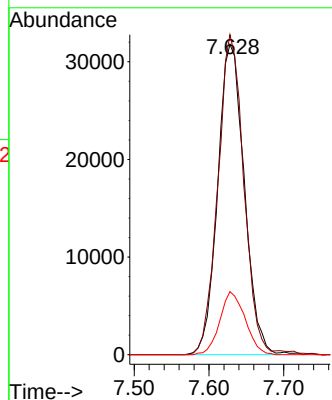
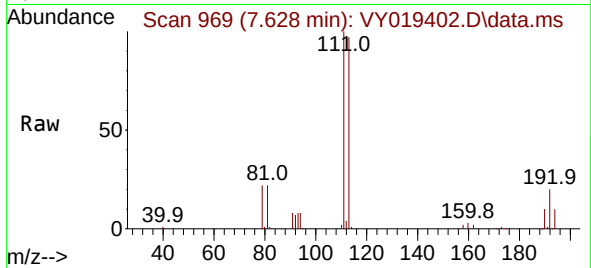




#35
Dibromofluoromethane
Concen: 50.018 ug/l
RT: 7.628 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

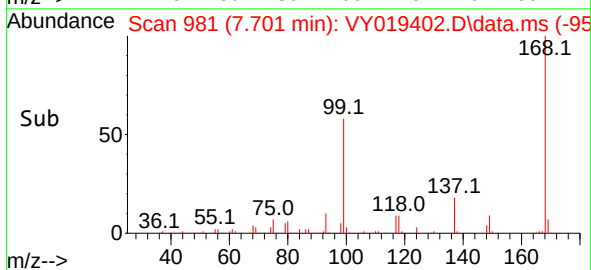
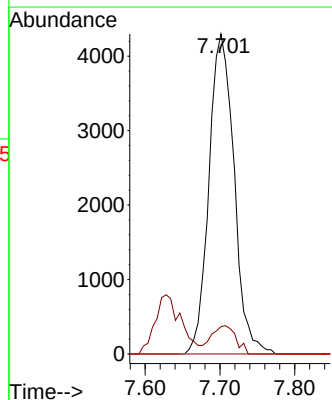
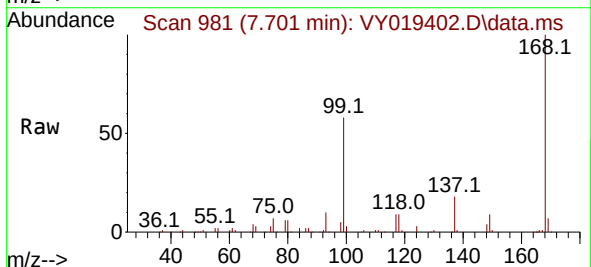
Instrument :
MSVOA_Y
ClientSampleId :

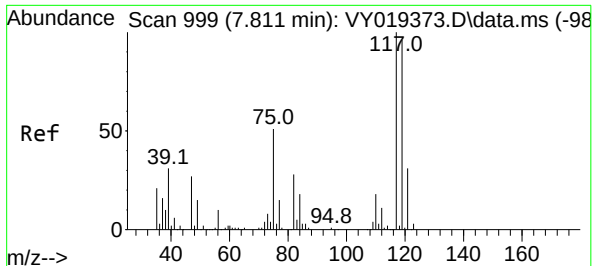
Tgt Ion:113 Resp: 78626
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 19.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.519 ug/l
RT: 7.701 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

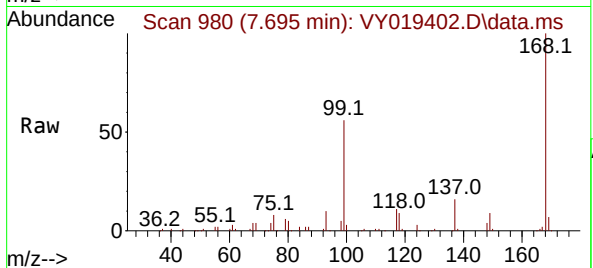
Tgt Ion: 75 Resp: 10039
Ion Ratio Lower Upper
75 100
110 8.9 19.0 57.0#
77 0.0 25.3 37.9#



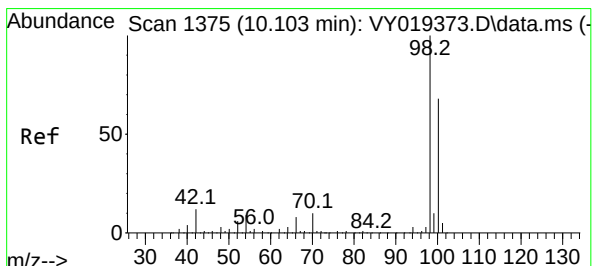
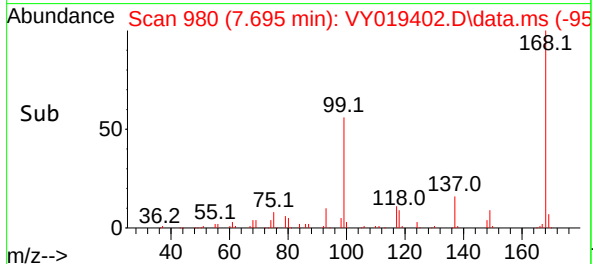
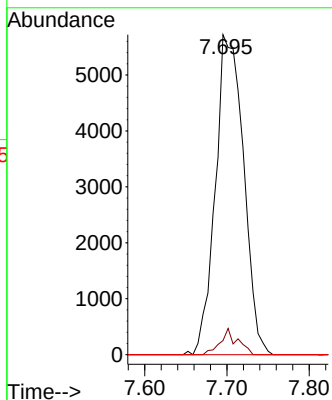


#38
Carbon Tetrachloride
Concen: 5.035 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Instrument :
MSVOA_Y
ClientSampleId :

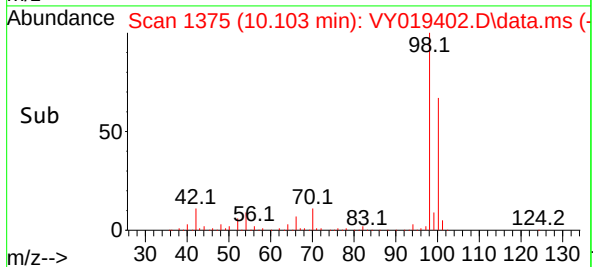
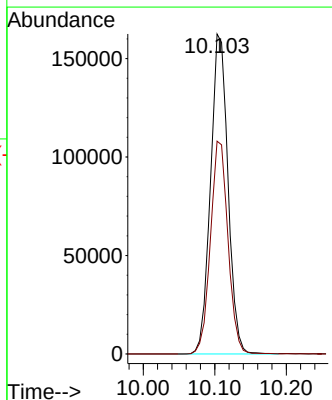
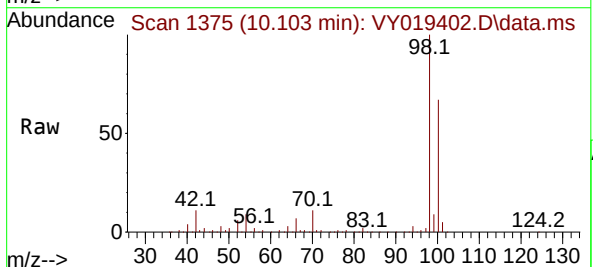


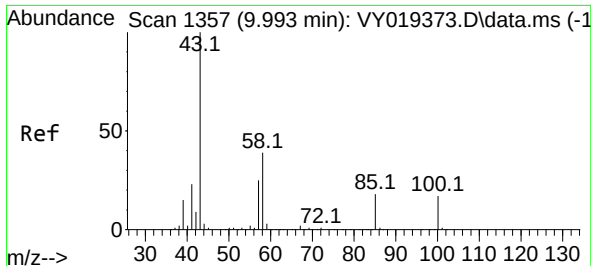
Tgt Ion:117 Resp: 13631
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.485 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Tgt Ion: 98 Resp: 274781
Ion Ratio Lower Upper
98 100
100 67.0 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 1.618 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.110 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

Instrument :

MSVOA_Y

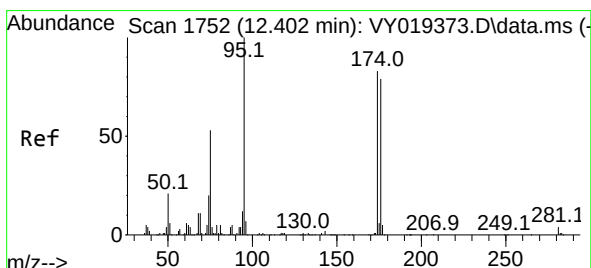
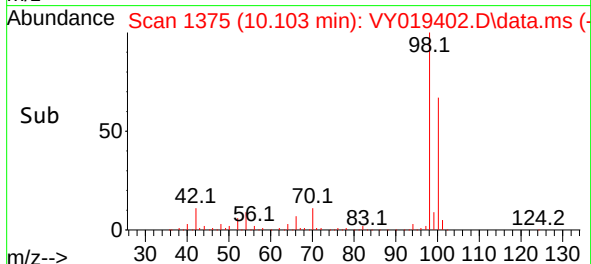
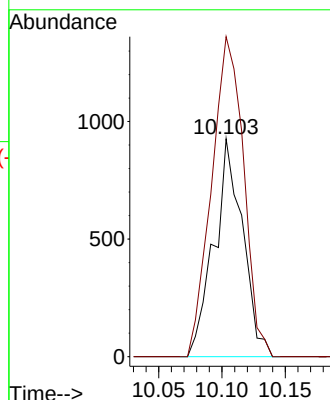
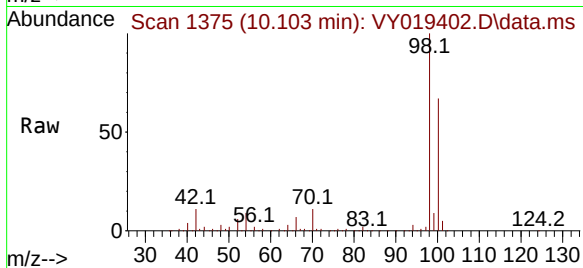
ClientSampleId :

Tgt Ion: 43 Resp: 1454

Ion Ratio Lower Upper

43 100

58 164.9 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 32.280 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019402.D

Acq: 30 Aug 2024 17:46

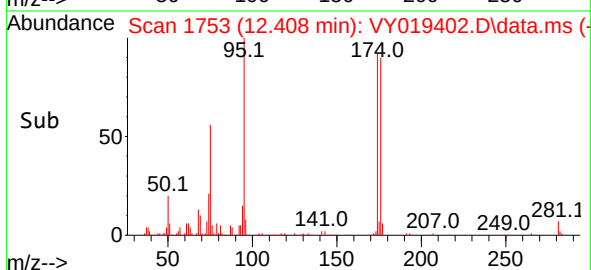
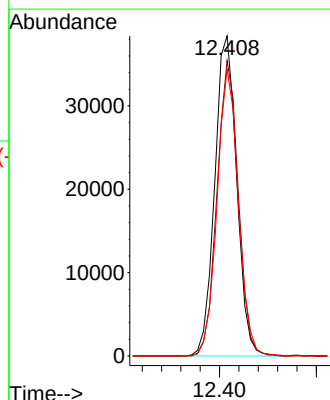
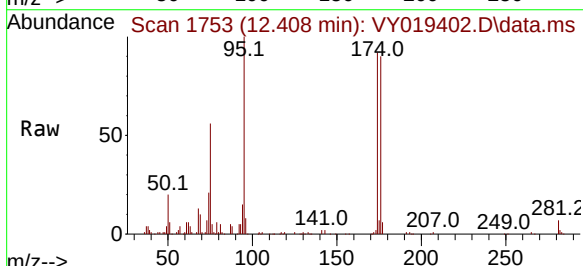
Tgt Ion: 95 Resp: 60417

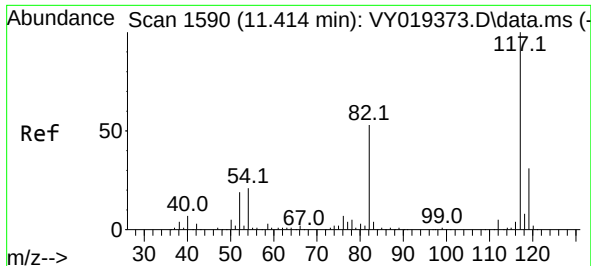
Ion Ratio Lower Upper

95 100

174 89.7 0.0 175.6

176 86.7 0.0 171.4

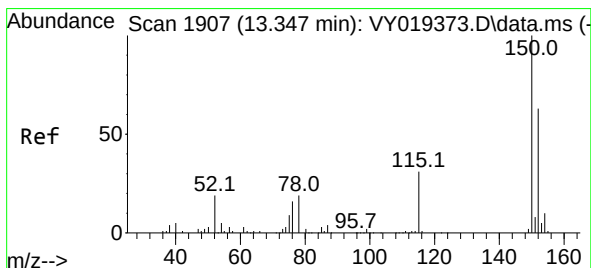
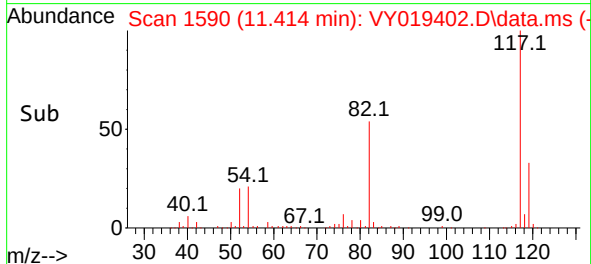
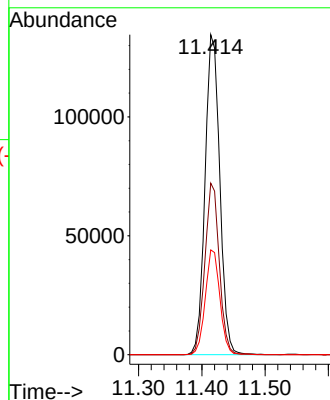
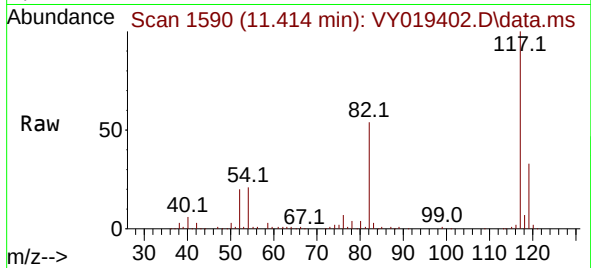




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

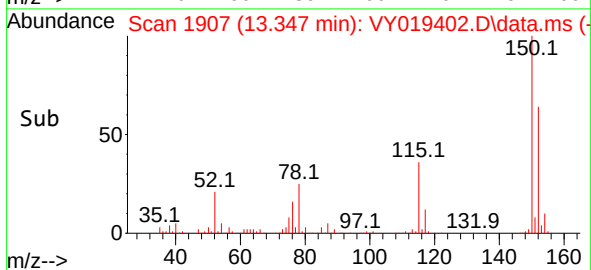
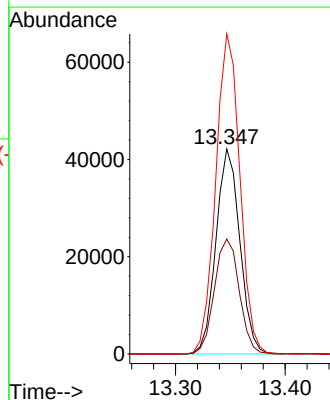
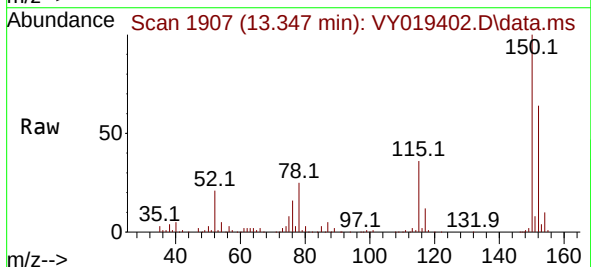
Instrument :
MSVOA_Y
ClientSampleId :

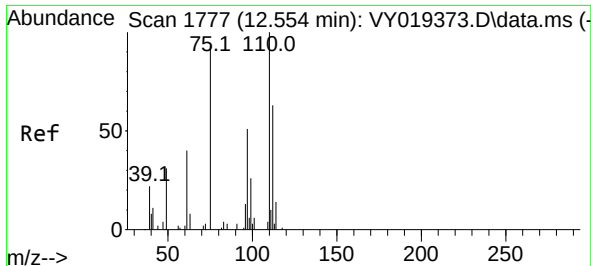
Tgt Ion:117 Resp: 218607
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.7 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Tgt Ion:152 Resp: 63855
Ion Ratio Lower Upper
152 100
115 58.2 28.2 84.7
150 158.0 0.0 345.6

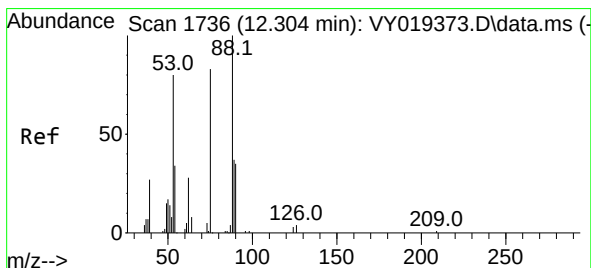
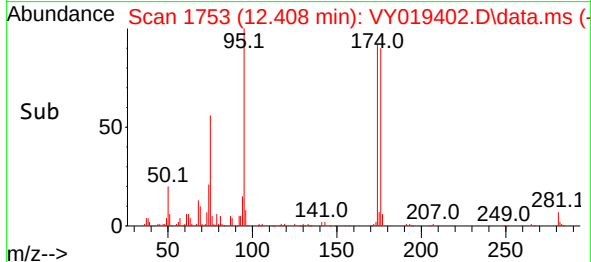
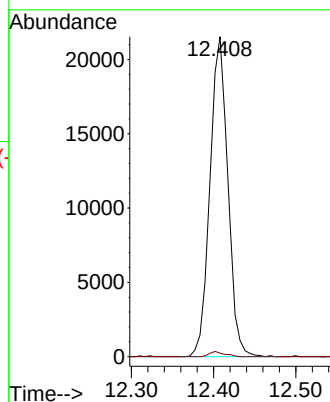
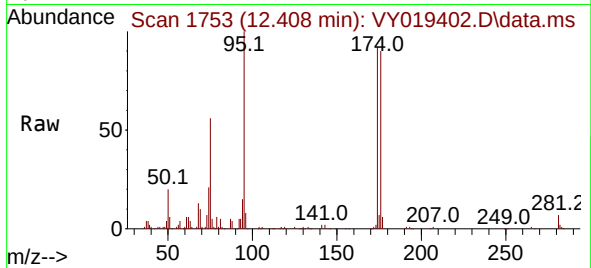




#76
1,2,3-Trichloropropane
Concen: 58.114 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 32589
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.779 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019402.D
Acq: 30 Aug 2024 17:46

Tgt Ion: 75 Resp: 32589
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#

