

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081224\
 Data File : VY019012.D
 Acq On : 12 Aug 2024 19:15
 Operator : SY/MD
 Sample : P3518-19
 Misc : 4.29g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 13 01:19:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080824S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 09 04:24:33 2024
 Response via : Initial Calibration

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

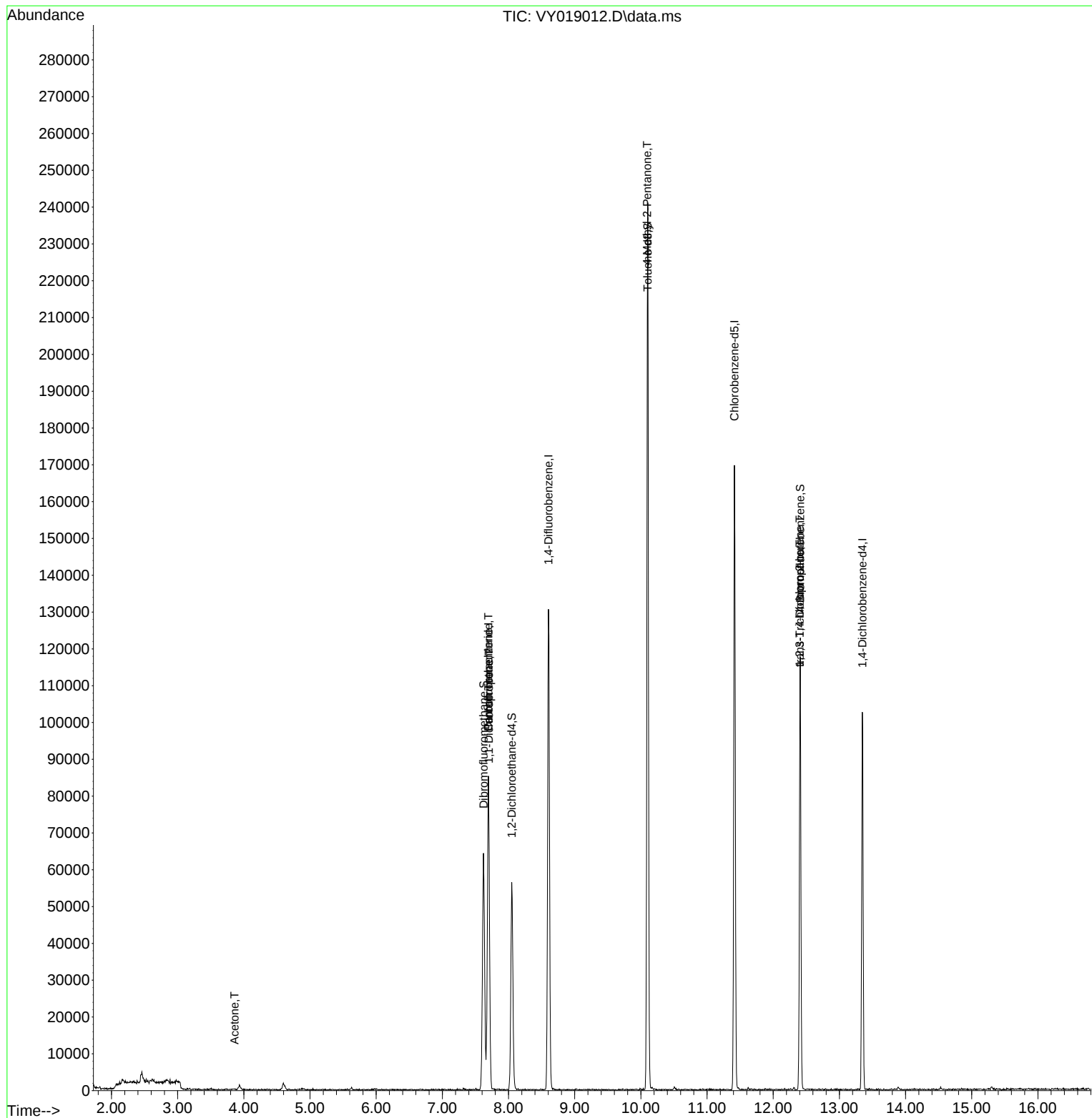
Internal Standards						
1) Pentafluorobenzene	7.695	168	66697	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.604	114	109141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	82836	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	23895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	33999	58.059	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.120%			
35) Dibromofluoromethane	7.622	113	40333	57.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.720%			
50) Toluene-d8	10.103	98	145235	54.243	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.480%			
62) 4-Bromofluorobenzene	12.408	95	27675	34.840	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 69.680%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.062	50	69	Below Cal	#	43
11) Tert butyl alcohol	4.830	59	56	Below Cal	#	88
13) Acrolein	3.592	56	22	Below Cal	#	15
16) Acetone	3.860	43	188	13.705	ug/l #	36
20) Methylene Chloride	4.598	84	1131	Below Cal	#	75
31) Cyclohexane	7.695	56	1805	Below Cal	#	43
36) 1,1-Dichloropropene	7.701	75	5047	5.394	ug/l #	50
38) Carbon Tetrachloride	7.695	117	6118	5.702	ug/l #	20
41) Methacrylonitrile	7.329	41	49	Below Cal	#	27
51) 4-Methyl-2-Pentanone	10.097	43	784	1.748	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	16915	95.021	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	16915	195.799	ug/l #	16

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

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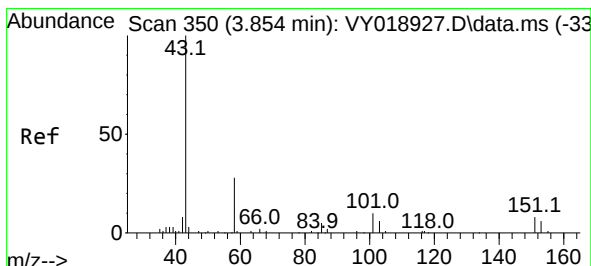
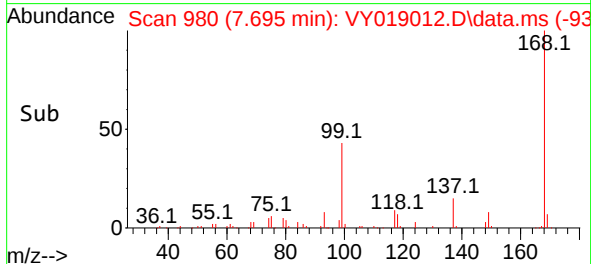
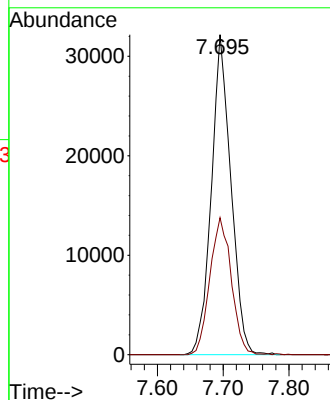
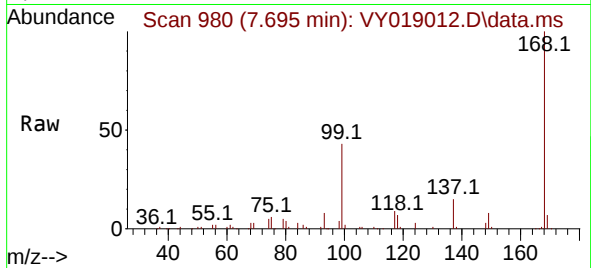




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.695 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

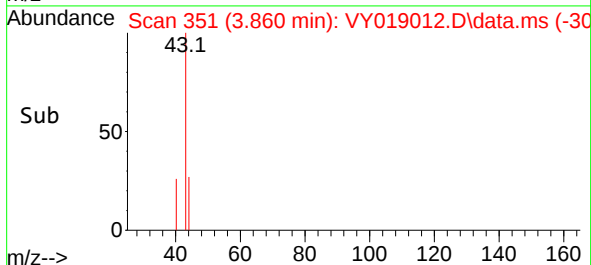
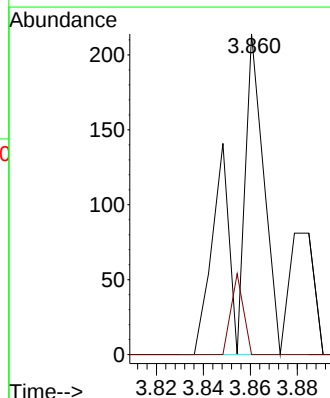
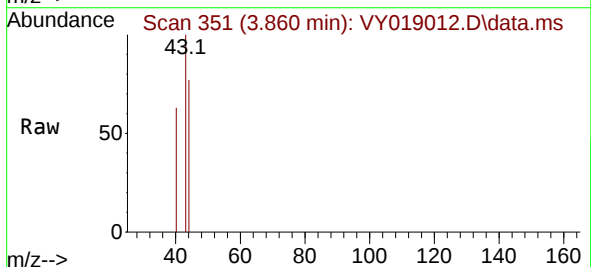
Instrument :
MSVOA_Y
ClientSampleId :

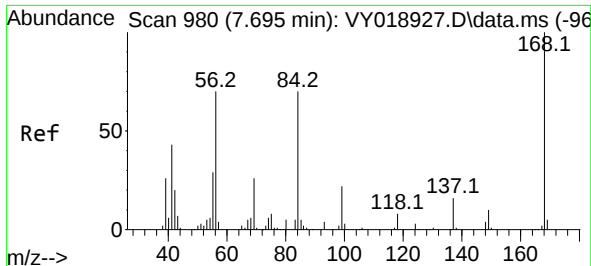
Tgt Ion:168 Resp: 66697
Ion Ratio Lower Upper
168 100
99 42.8 39.1 58.7



#16
Acetone
Concen: 13.705 ug/l
RT: 3.860 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

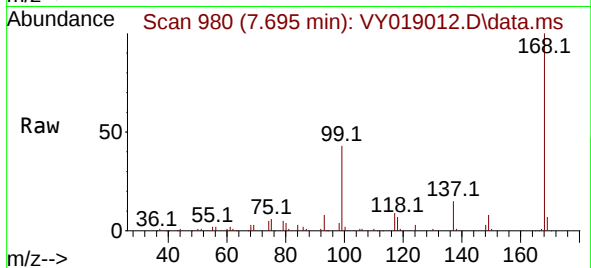
Tgt Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



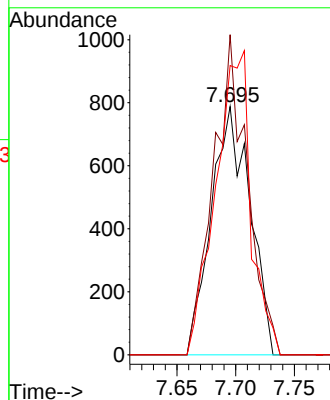
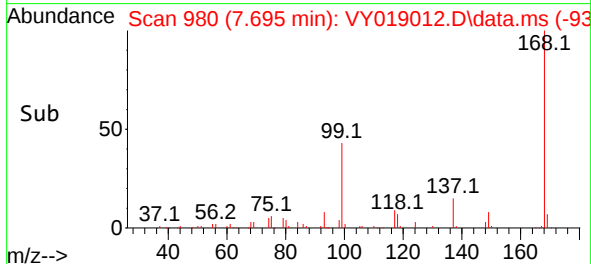


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

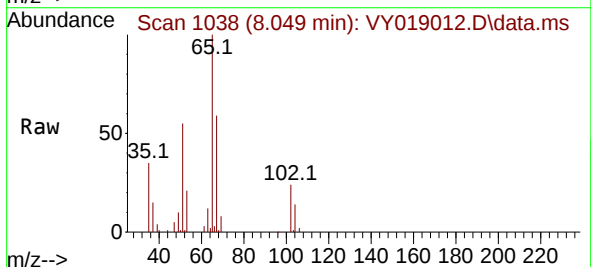
Instrument :
MSVOA_Y
ClientSampleId :



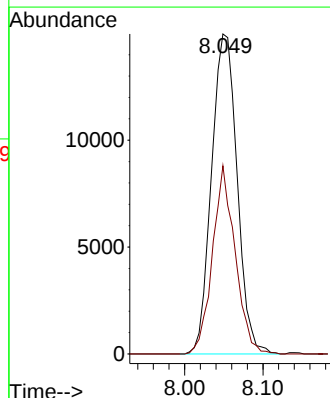
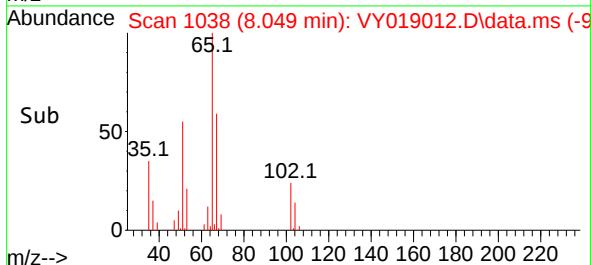
Tgt Ion: 56 Resp: 1805
Ion Ratio Lower Upper
56 100
69 128.9 28.7 43.1#
84 116.5 77.7 116.5

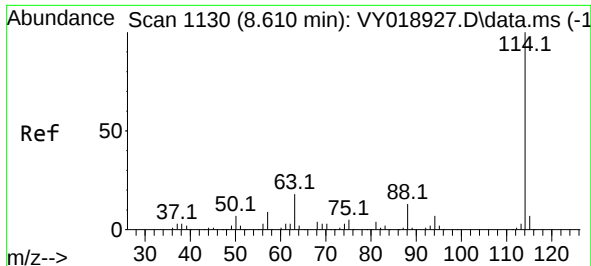


#33
1,2-Dichloroethane-d4
Concen: 58.059 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15



Tgt Ion: 65 Resp: 33999
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.604 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

Instrument :

MSVOA_Y

ClientSampleId :

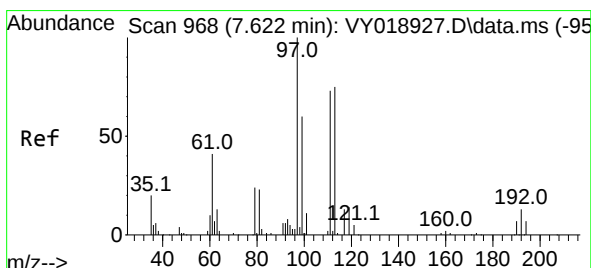
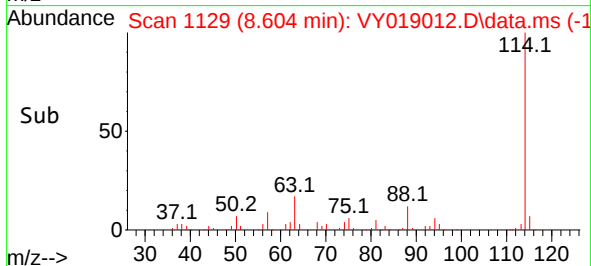
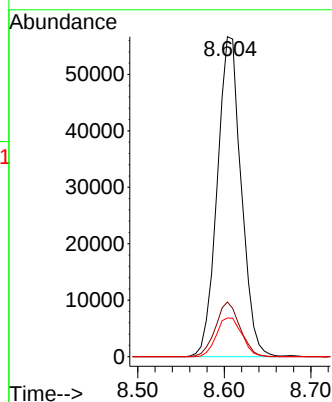
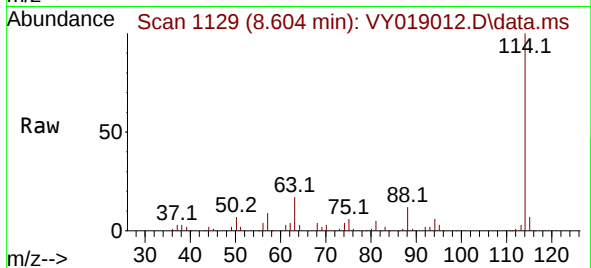
Tgt Ion:114 Resp: 109141

Ion Ratio Lower Upper

114 100

63 17.1 0.0 35.0

88 12.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 57.861 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

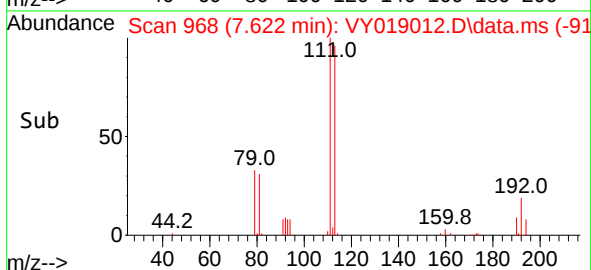
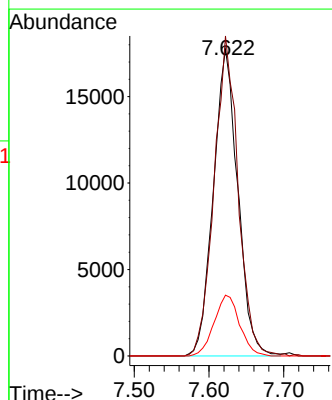
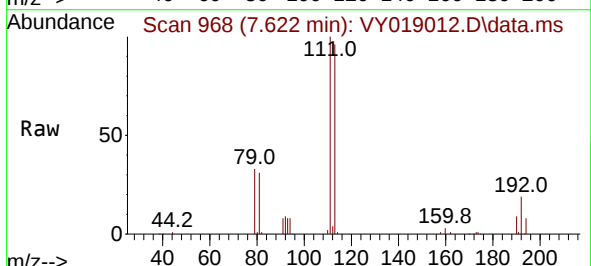
Tgt Ion:113 Resp: 40333

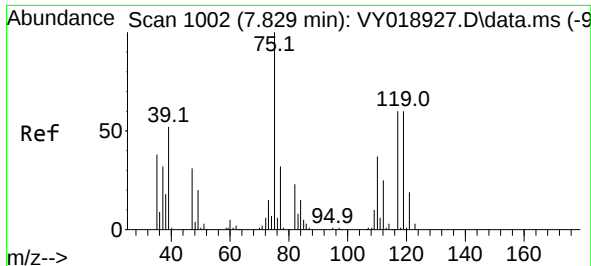
Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

192 20.6 15.9 23.9

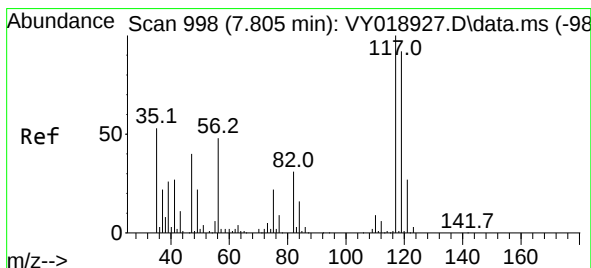
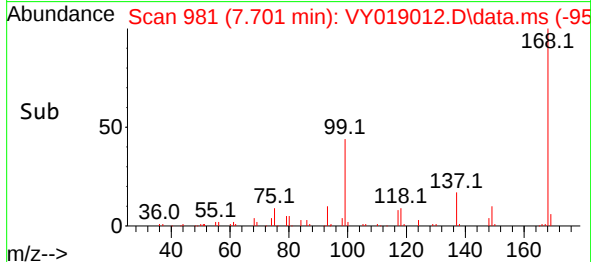
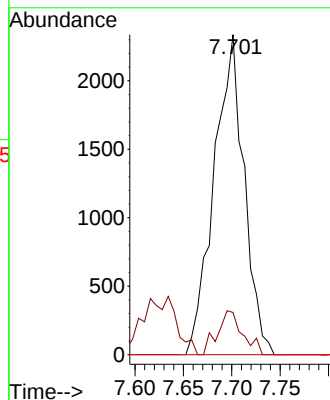
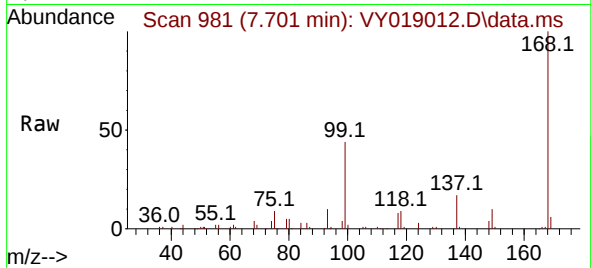




#36
 1,1-Dichloropropene
 Concen: 5.394 ug/l
 RT: 7.701 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY019012.D
 Acq: 12 Aug 2024 19:15

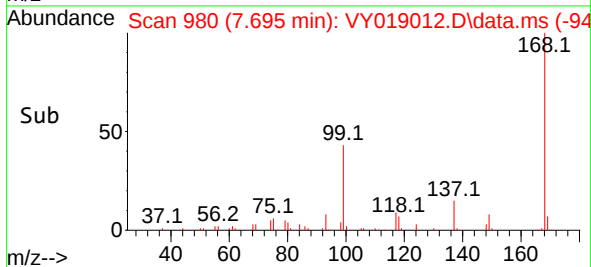
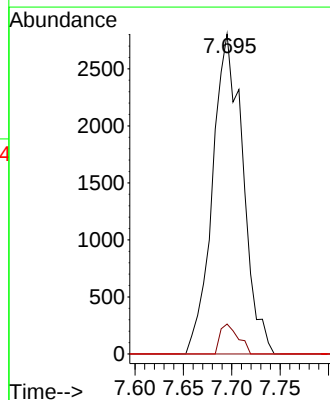
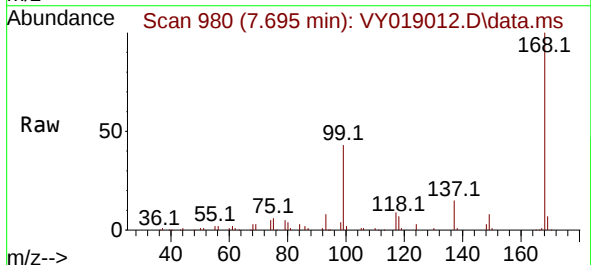
Instrument :
 MSVOA_Y
 ClientSampleId :

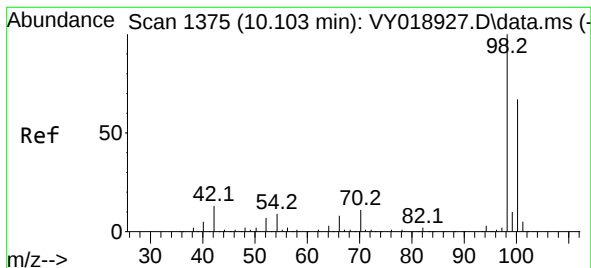
Tgt Ion: 75 Resp: 5047
 Ion Ratio Lower Upper
 75 100
 110 11.4 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.702 ug/l
 RT: 7.695 min Scan# 980
 Delta R.T. -0.110 min
 Lab File: VY019012.D
 Acq: 12 Aug 2024 19:15

Tgt Ion: 117 Resp: 6118
 Ion Ratio Lower Upper
 117 100
 119 9.3 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 54.243 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

Instrument :

MSVOA_Y

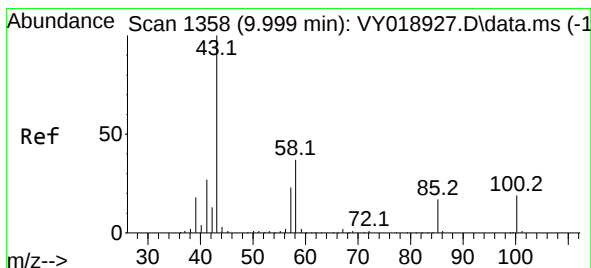
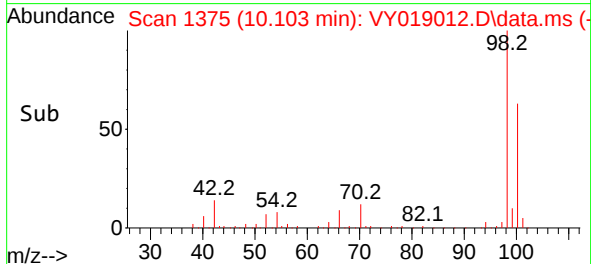
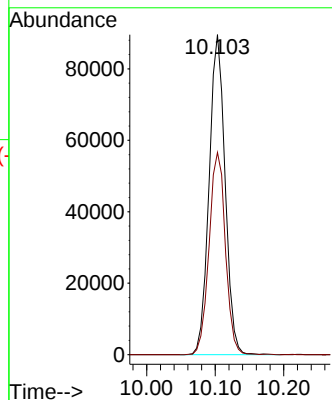
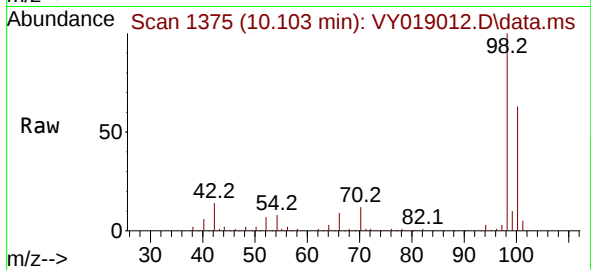
ClientSampleId :

Tgt Ion: 98 Resp: 145235

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.748 ug/l

RT: 10.097 min Scan# 1374

Delta R.T. 0.098 min

Lab File: VY019012.D

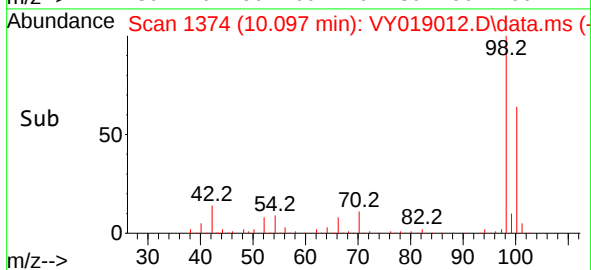
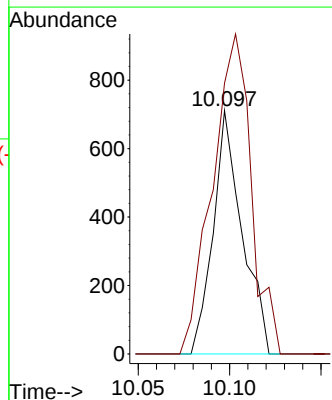
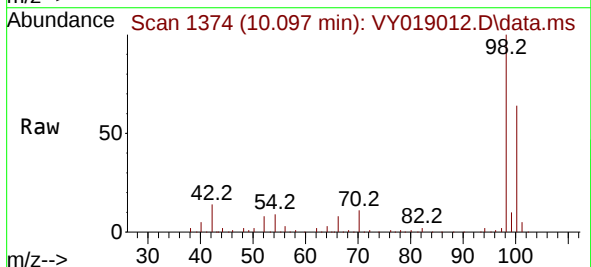
Acq: 12 Aug 2024 19:15

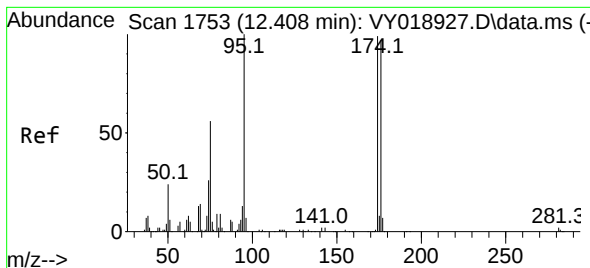
Tgt Ion: 43 Resp: 784

Ion Ratio Lower Upper

43 100

58 176.0 35.7 53.5#

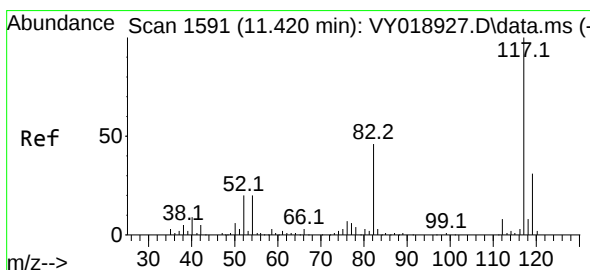
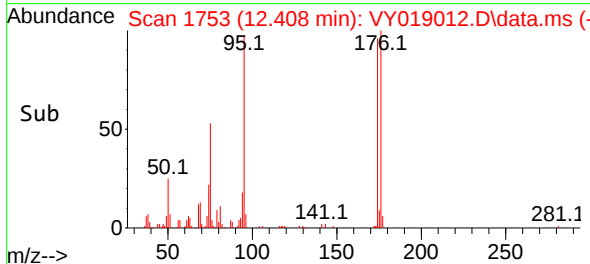
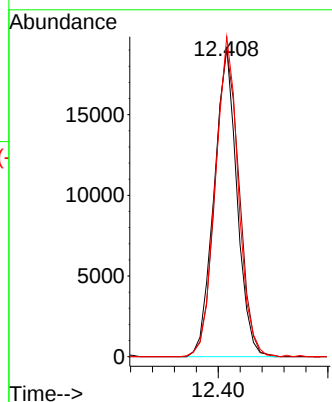
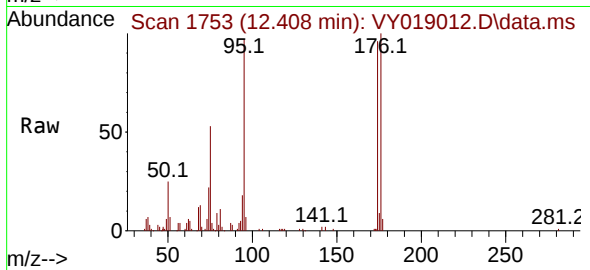




#62
4-Bromofluorobenzene
Concen: 34.840 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

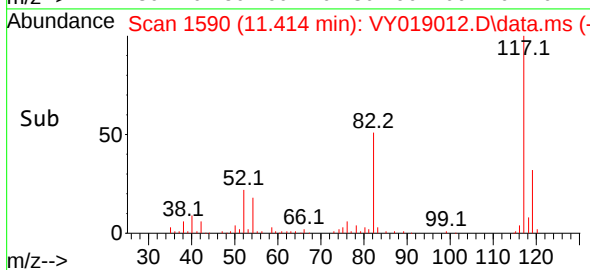
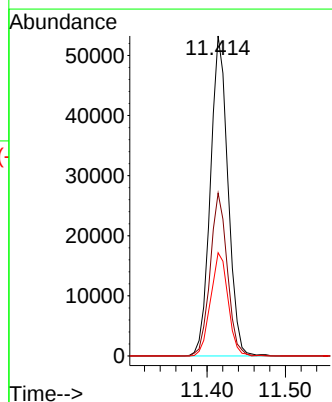
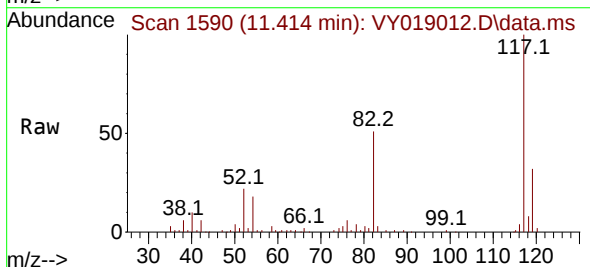
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
95	100		
174	105.1	0.0	175.6
176	104.4	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	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# 1908

Delta R.T. -0.006 min

Lab File: VY019012.D

Acq: 12 Aug 2024 19:15

Instrument :

MSVOA_Y

ClientSampleId :

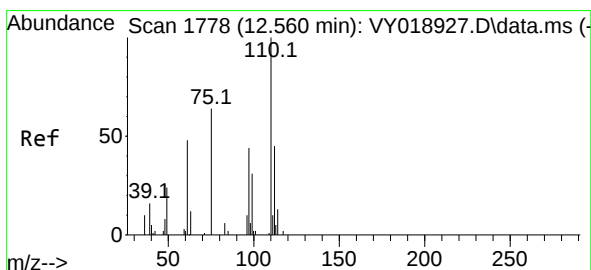
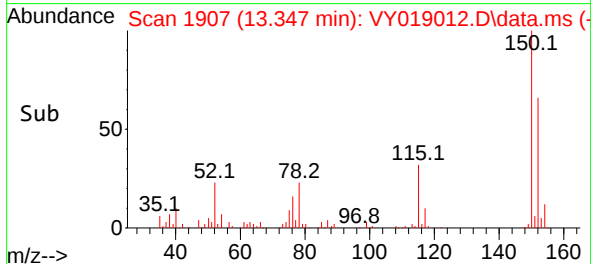
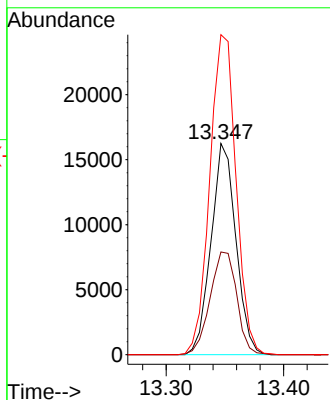
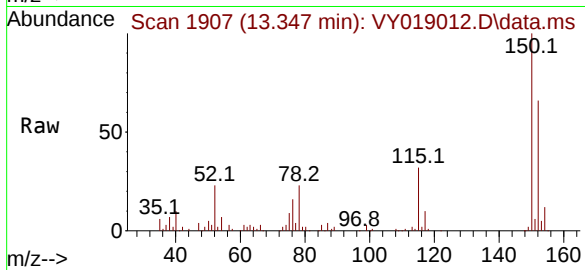
Tgt Ion:152 Resp: 23895

Ion Ratio Lower Upper

152 100

115 52.1 28.2 84.7

150 160.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 95.021 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019012.D

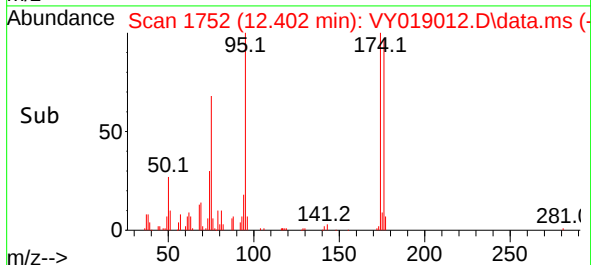
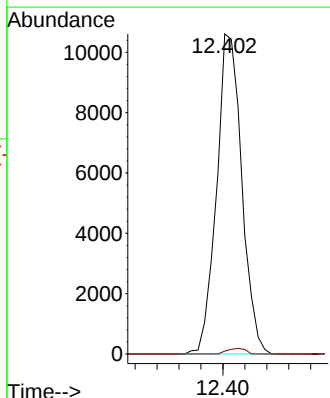
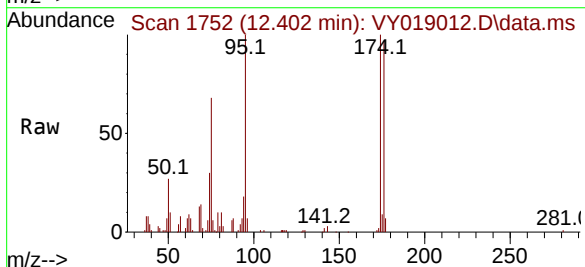
Acq: 12 Aug 2024 19:15

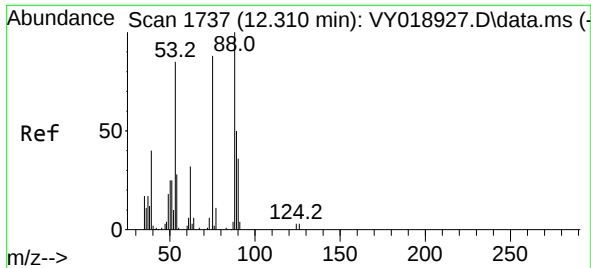
Tgt Ion: 75 Resp: 16915

Ion Ratio Lower Upper

75 100

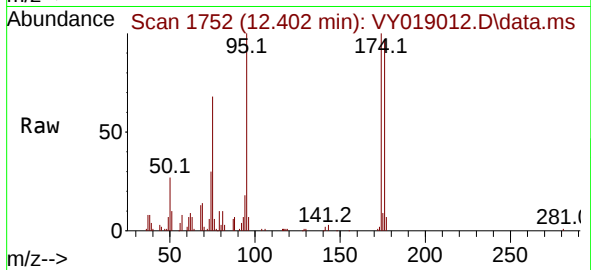
77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 195.799 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.092 min
Lab File: VY019012.D
Acq: 12 Aug 2024 19:15

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	16915
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.0	35.8	53.6#

