

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082324\
 Data File : VY019256.D
 Acq On : 23 Aug 2024 14:40
 Operator : SY/MD
 Sample : P3663-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 23 22:57:42 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)

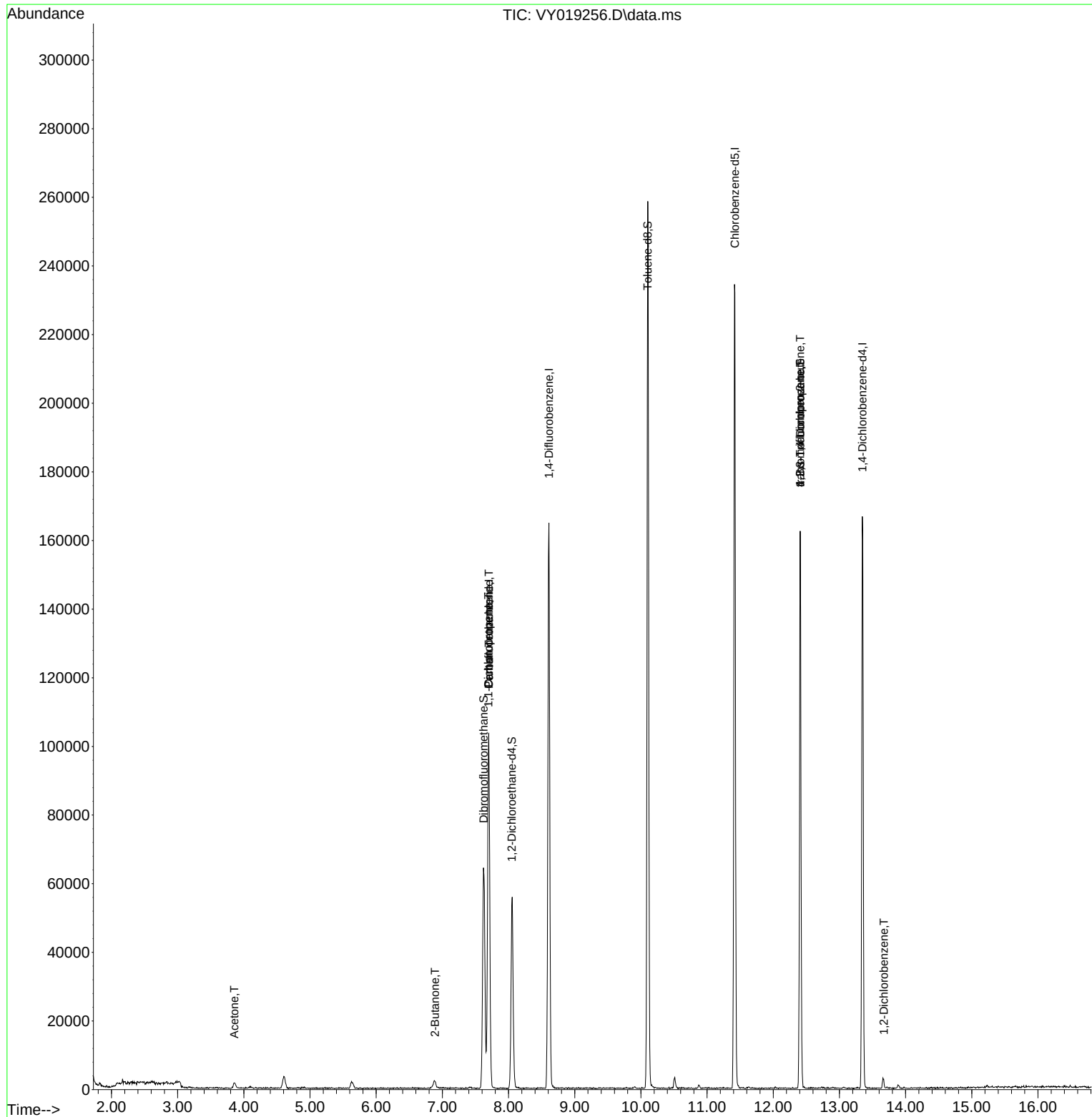
Internal Standards						
1) Pentafluorobenzene	7.701	168	80419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	146211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	131005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	43355	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	41751	51.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.580%	
35) Dibromofluoromethane	7.622	113	46323	48.454	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.900%	
50) Toluene-d8	10.103	98	165009	47.963	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.920%	
62) 4-Bromofluorobenzene	12.408	95	46324	39.498	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 79.000%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.611	94	245	Below Cal	#	50
6) Chloroethane	2.720	64	23	Below Cal	#	42
11) Tert butyl alcohol	4.842	59	52	Below Cal	#	88
16) Acetone	3.854	43	2761	18.468	ug/l #	75
20) Methylene Chloride	4.604	84	2613	Below Cal		97
25) 2-Butanone	6.890	43	448	1.861	ug/l #	41
31) Cyclohexane	7.695	56	1947	Below Cal	#	68
36) 1,1-Dichloropropene	7.695	75	6202	4.724	ug/l #	50
38) Carbon Tetrachloride	7.701	117	7961	5.233	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	24706	57.784	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	24706	142.707	ug/l #	16
91) 1,2-Dichlorobenzene	13.670	146	1456	1.052	ug/l	96

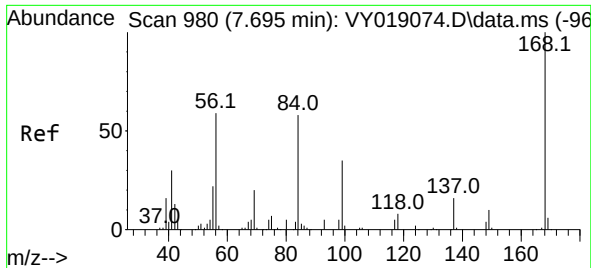
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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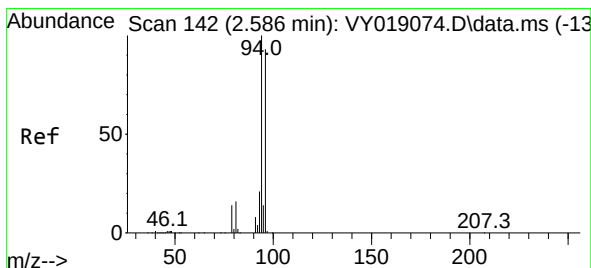
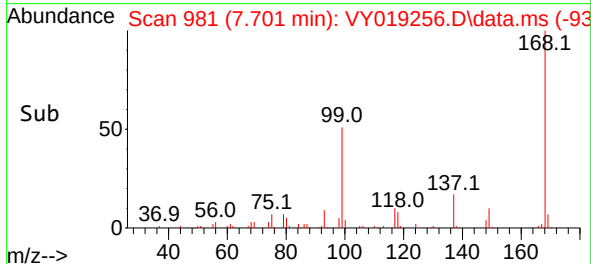
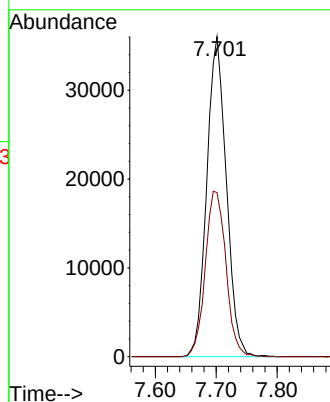
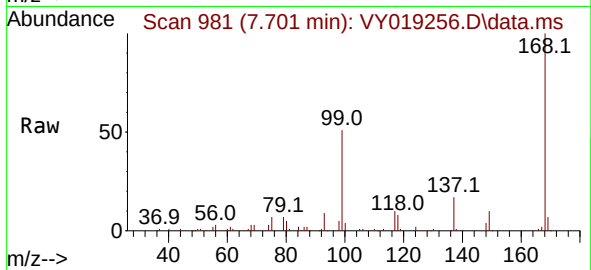




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

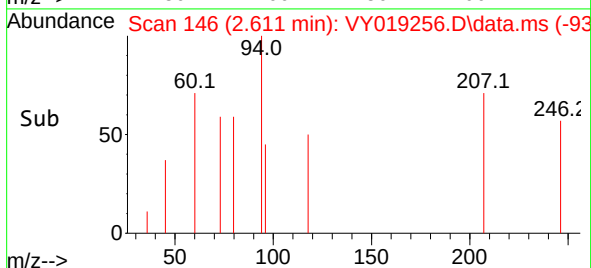
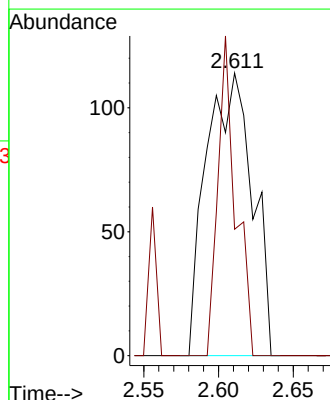
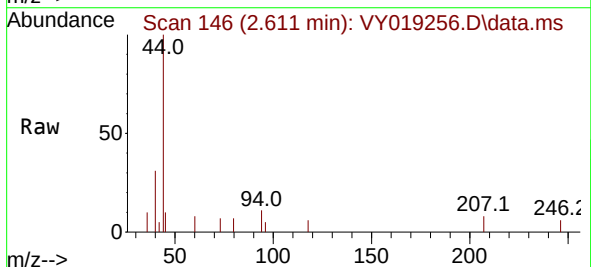
Instrument :
MSVOA_Y
ClientSampleId :

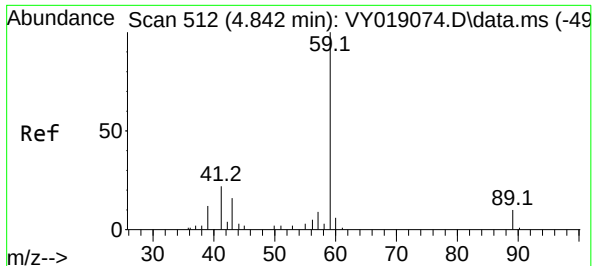
Tgt Ion:168 Resp: 80419
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.611 min Scan# 146
Delta R.T. 0.025 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

Tgt Ion: 94 Resp: 245
Ion Ratio Lower Upper
94 100
96 44.7 74.1 111.1#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.842 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

Instrument :

MSVOA_Y

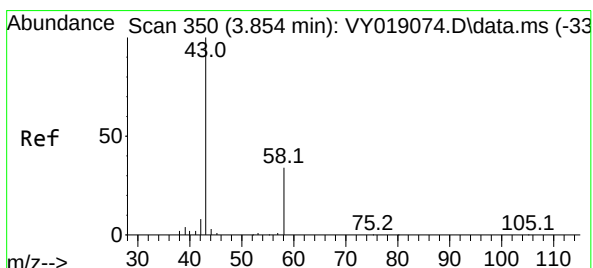
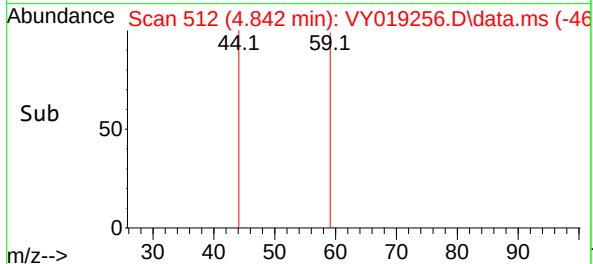
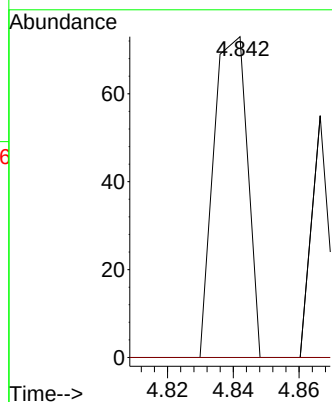
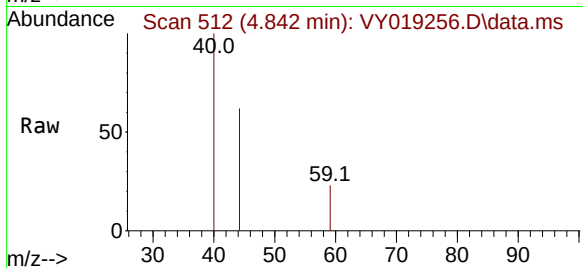
ClientSampleId :

Tgt Ion: 59 Resp: 52

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#16

Acetone

Concen: 18.468 ug/l

RT: 3.854 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY019256.D

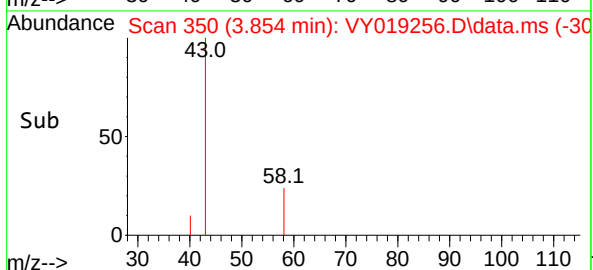
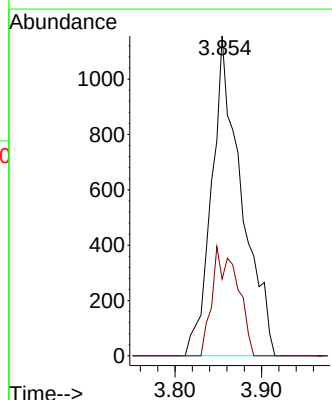
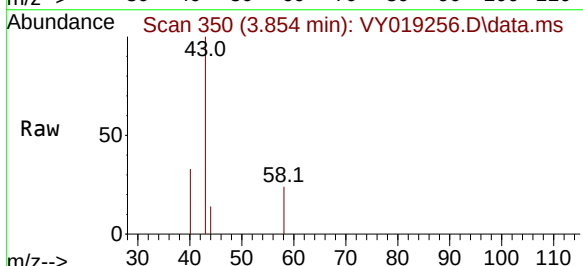
Acq: 23 Aug 2024 14:40

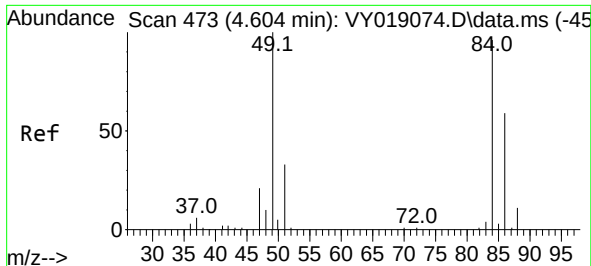
Tgt Ion: 43 Resp: 2761

Ion Ratio Lower Upper

43 100

58 24.0 31.7 47.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.604 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 2613

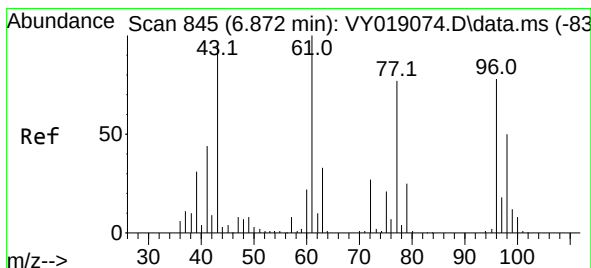
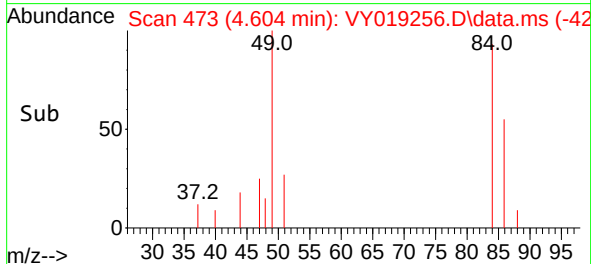
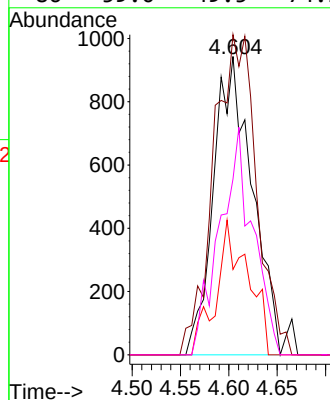
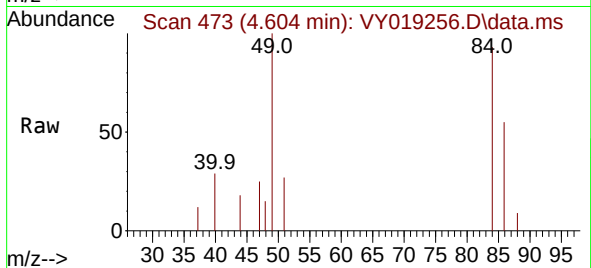
Ion Ratio Lower Upper

84 100

49 107.3 84.4 126.6

51 28.6 26.0 39.0

86 59.0 49.5 74.3



#25

2-Butanone

Concen: 1.861 ug/l

RT: 6.890 min Scan# 848

Delta R.T. 0.019 min

Lab File: VY019256.D

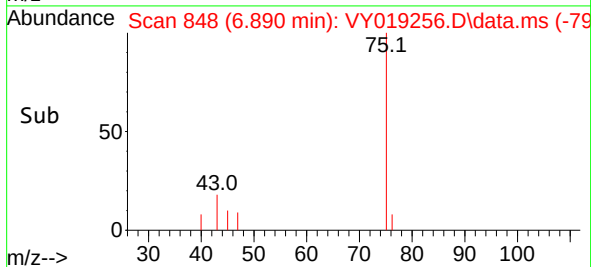
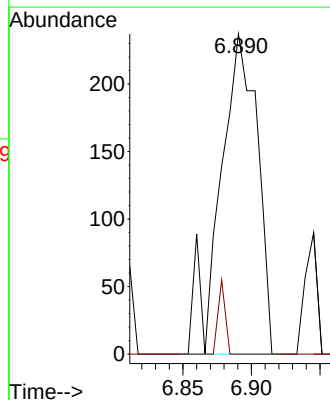
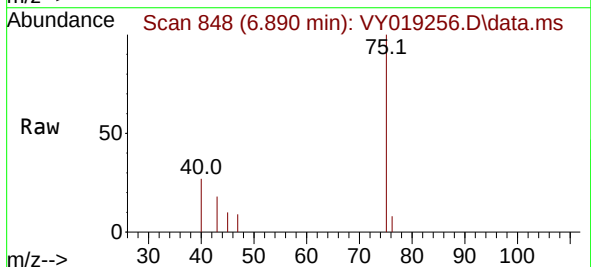
Acq: 23 Aug 2024 14:40

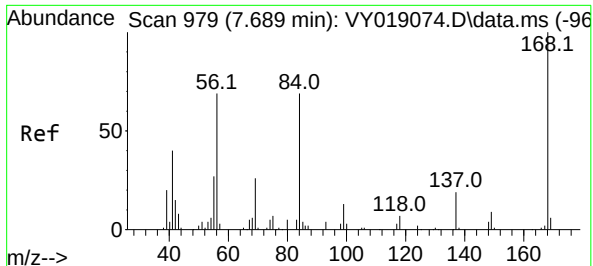
Tgt Ion: 43 Resp: 448

Ion Ratio Lower Upper

43 100

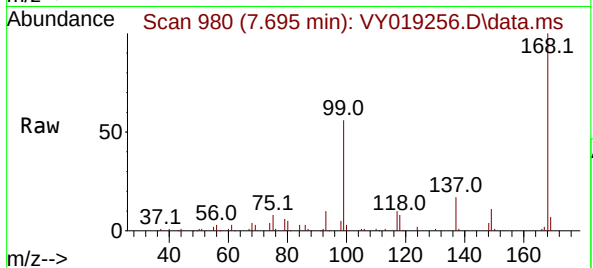
72 0.0 27.3 40.9#



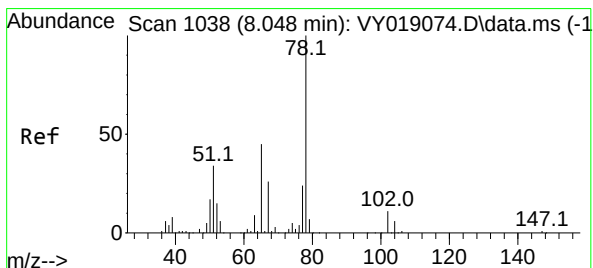
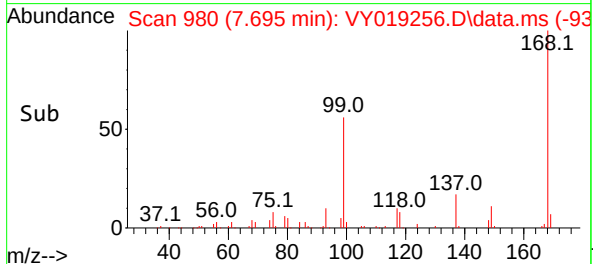
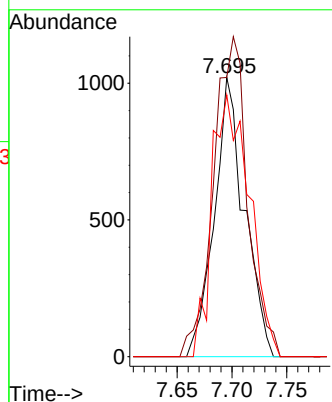


#31
Cyclohexane
Concen: Below Cal
RT: 7.695 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

Instrument :
MSVOA_Y
ClientSampleId :

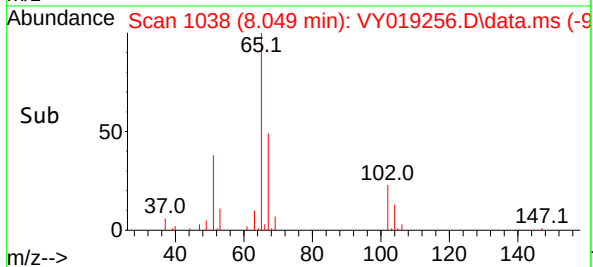
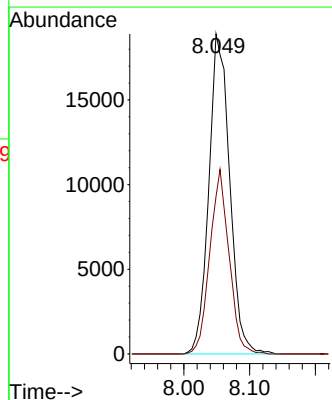
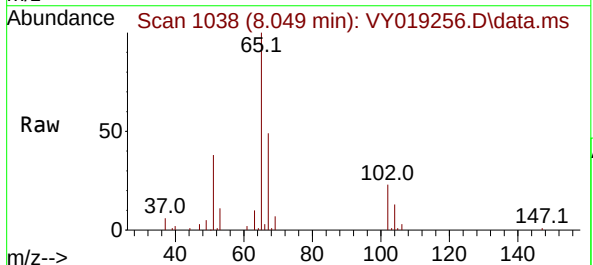


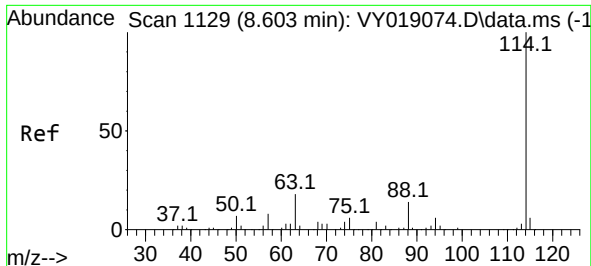
Tgt Ion: 56 Resp: 1947
Ion Ratio Lower Upper
56 100
69 100.0 28.7 43.1#
84 93.7 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 51.791 ug/l
RT: 8.049 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

Tgt Ion: 65 Resp: 41751
Ion Ratio Lower Upper
65 100
67 53.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.610 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

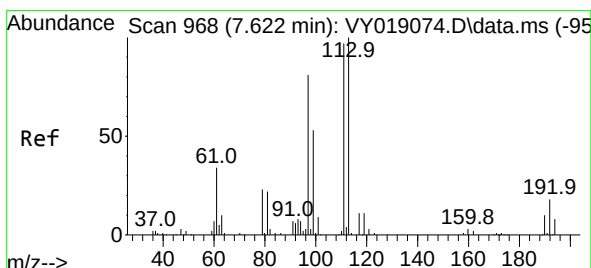
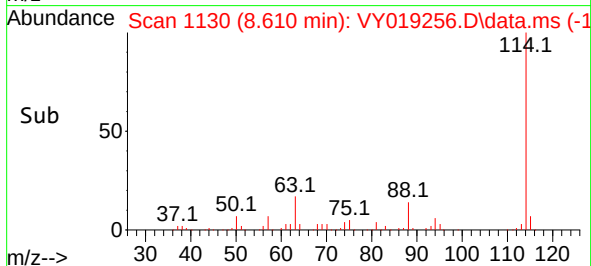
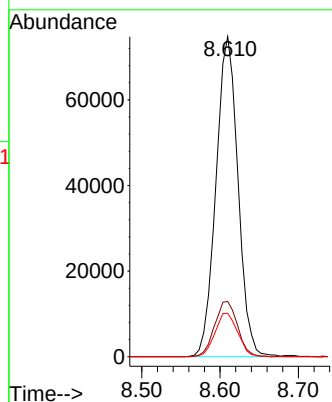
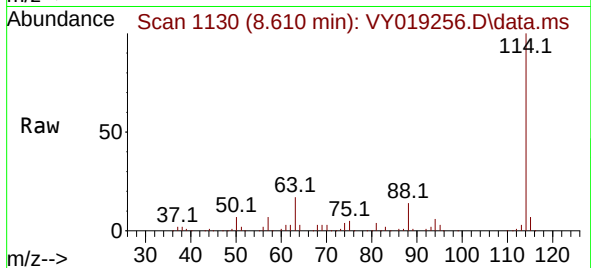
Tgt Ion:114 Resp: 146211

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 48.454 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

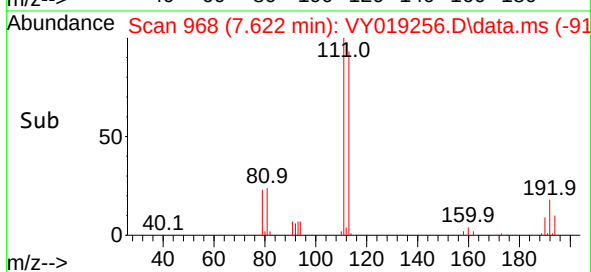
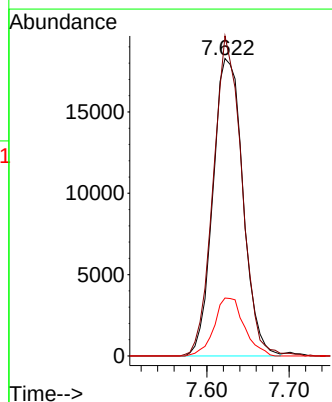
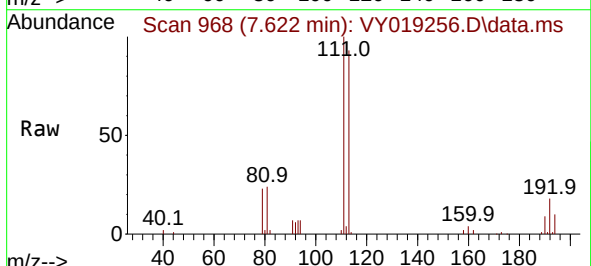
Tgt Ion:113 Resp: 46323

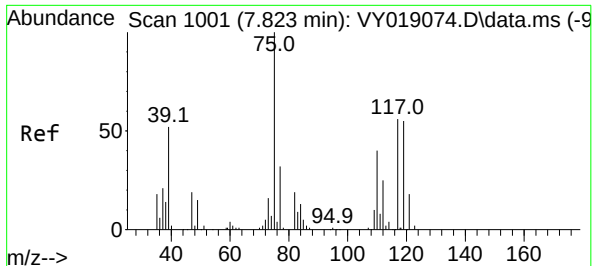
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

192 19.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.724 ug/l

RT: 7.695 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY019256.D

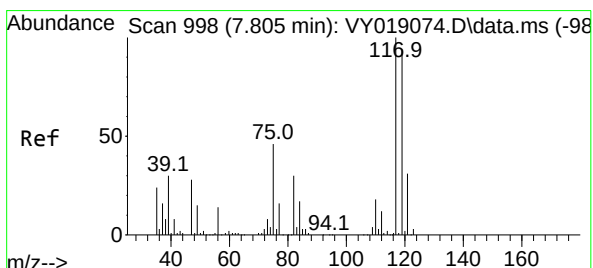
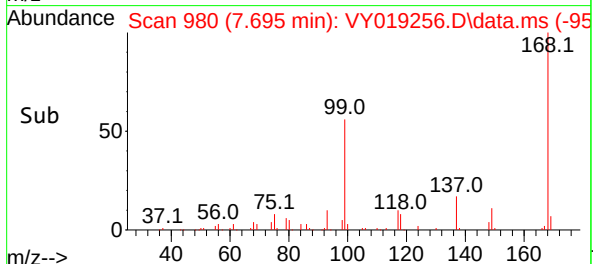
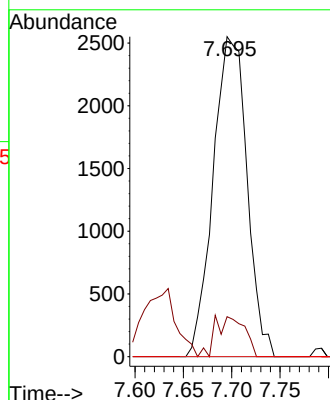
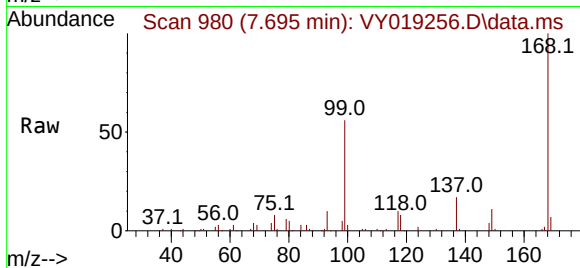
Acq: 23 Aug 2024 14:40

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp: 6202
Ion Ratio	Lower Upper
75 100	
110 10.8	19.0 57.0#
77 0.0	25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.233 ug/l

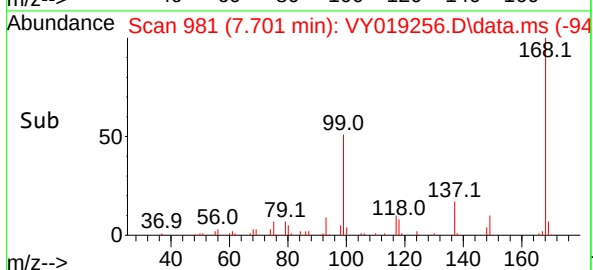
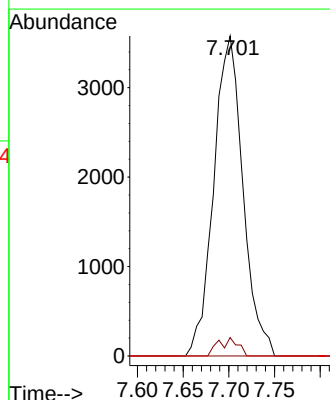
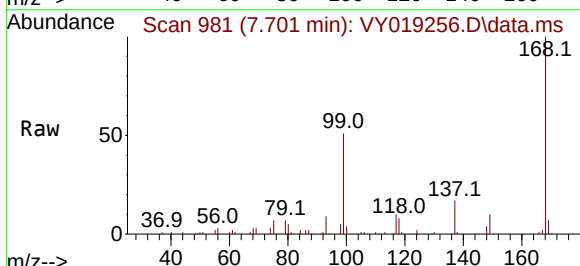
RT: 7.701 min Scan# 981

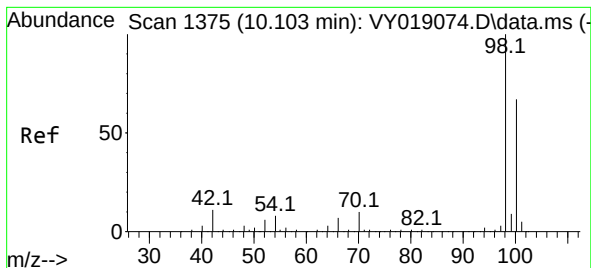
Delta R.T. -0.103 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

Tgt Ion: 117	Resp: 7961
Ion Ratio	Lower Upper
117 100	
119 5.8	75.8 113.6#
121 0.0	24.0 36.0#





#50

Toluene-d8

Concen: 47.963 ug/l

RT: 10.103 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

Instrument :

MSVOA_Y

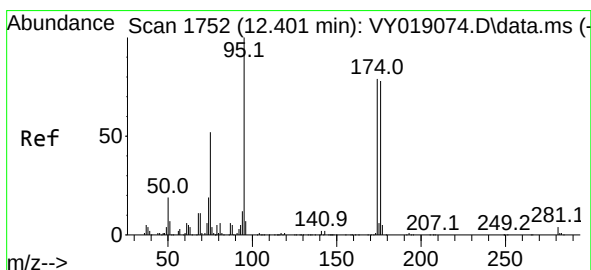
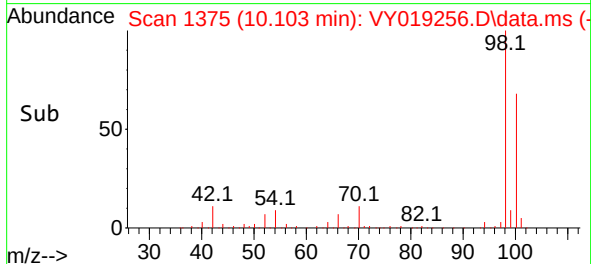
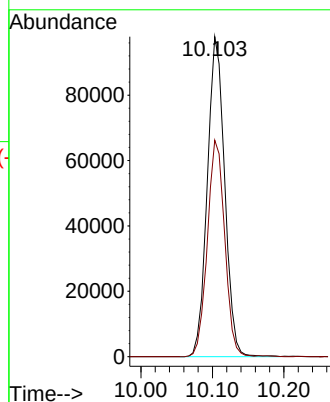
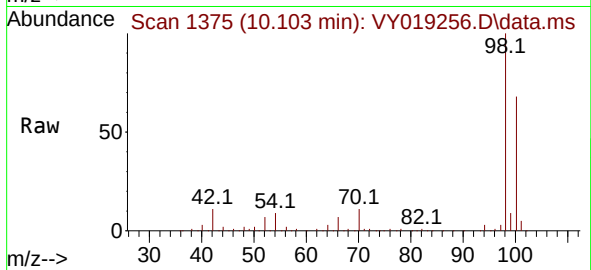
ClientSampleId :

Tgt Ion: 98 Resp: 165009

Ion Ratio Lower Upper

98 100

100 67.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 39.498 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.007 min

Lab File: VY019256.D

Acq: 23 Aug 2024 14:40

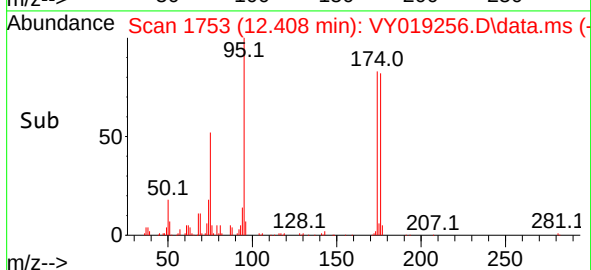
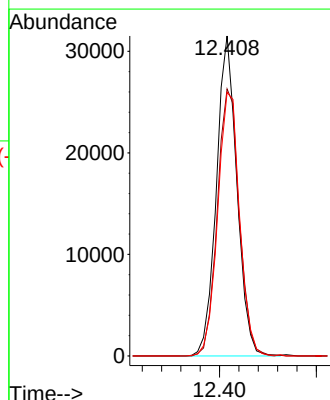
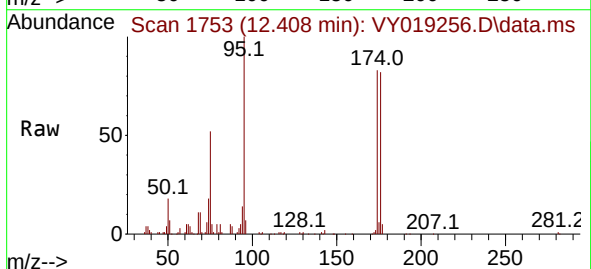
Tgt Ion: 95 Resp: 46324

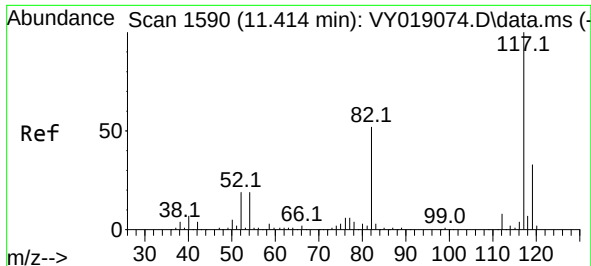
Ion Ratio Lower Upper

95 100

174 89.2 0.0 175.6

176 87.8 0.0 171.4

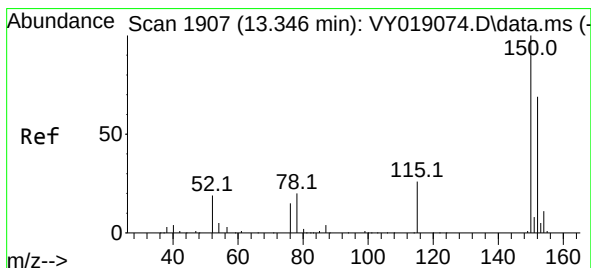
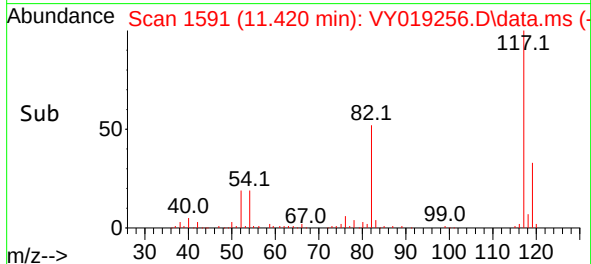
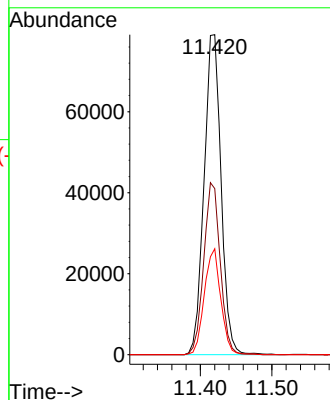
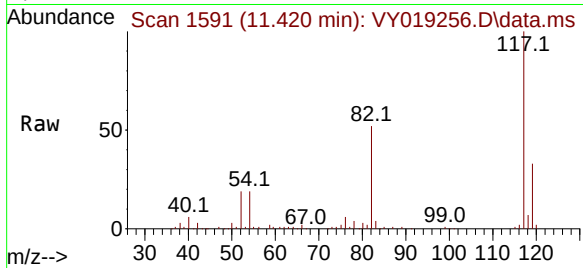




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

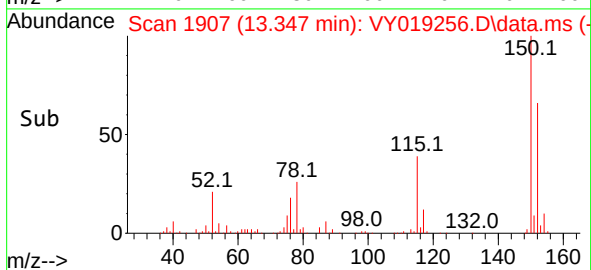
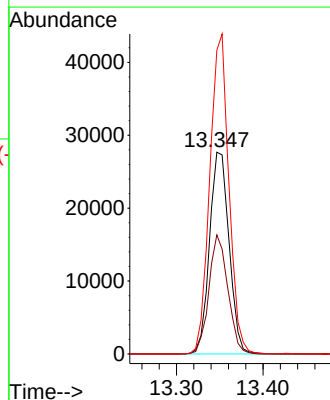
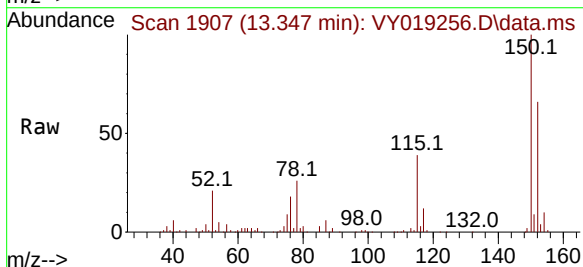
Instrument :
MSVOA_Y
ClientSampleId :

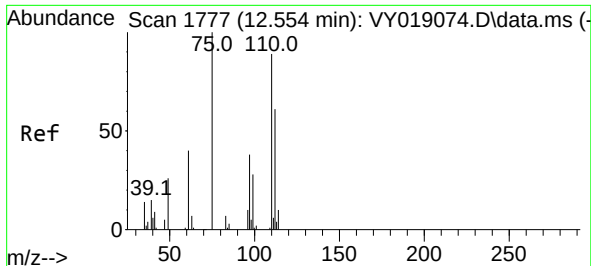
Tgt Ion:117 Resp: 131005
Ion Ratio Lower Upper
117 100
82 51.9 42.4 63.6
119 33.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

Tgt Ion:152 Resp: 43355
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 154.6 0.0 345.6

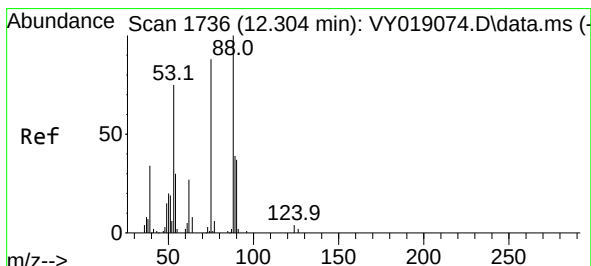
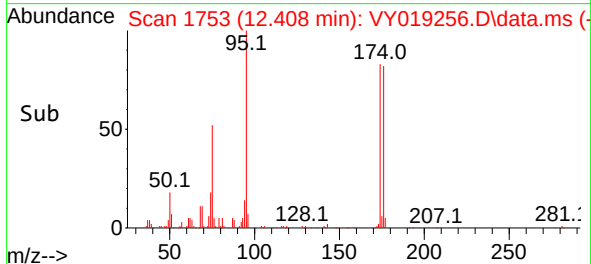
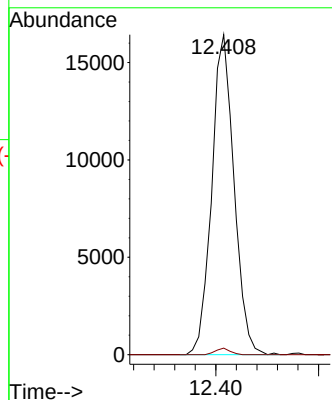
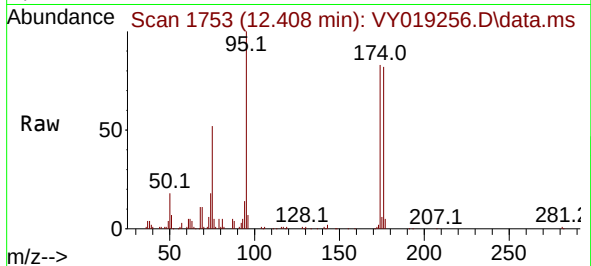




#76
1,2,3-Trichloropropane
Concen: 57.784 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

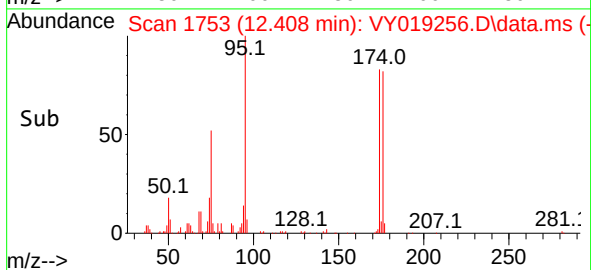
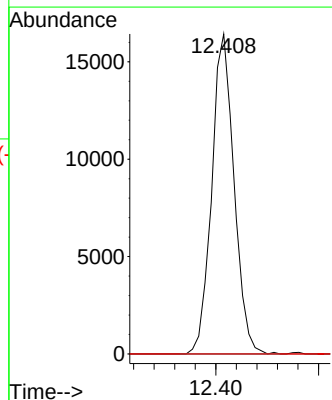
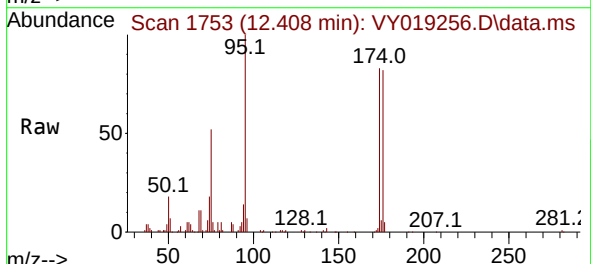
Instrument :
MSVOA_Y
ClientSampleId :

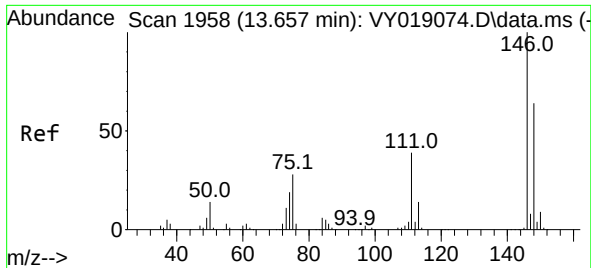
Tgt Ion: 75 Resp: 24706
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.707 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019256.D
Acq: 23 Aug 2024 14:40

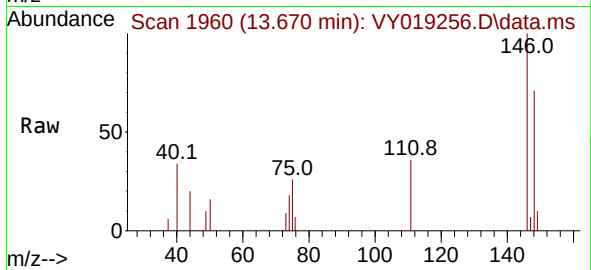
Tgt Ion: 75 Resp: 24706
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#91
 1,2-Dichlorobenzene
 Concen: 1.052 ug/l
 RT: 13.670 min Scan# 1958
 Delta R.T. 0.013 min
 Lab File: VY019256.D
 Acq: 23 Aug 2024 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	146	Resp:	1456
Ion	Ratio	Lower	Upper
146	100		
111	43.9	19.9	59.7
148	65.4	31.8	95.4

