

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
 Data File : VY019767.D
 Acq On : 02 Oct 2024 16:10
 Operator : SY/MD
 Sample : P4257-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 03 02:04:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

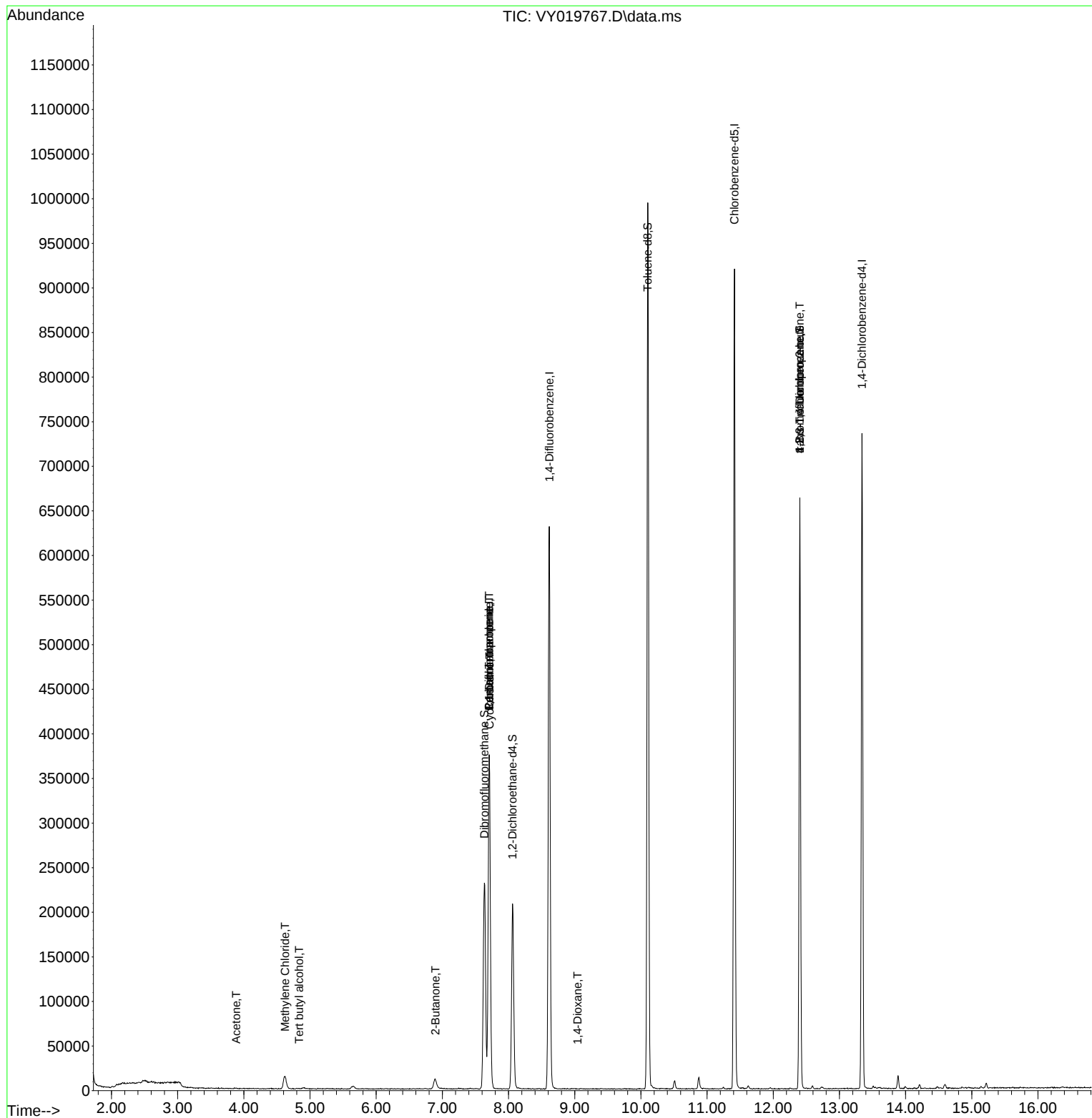
Internal Standards						
1) Pentafluorobenzene	7.707	168	276762	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	534065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	470057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	176553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	164308	64.114	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.220%	
35) Dibromofluoromethane	7.634	113	168948	55.794	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.580%	
50) Toluene-d8	10.103	98	631991	56.428	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.860%	
62) 4-Bromofluorobenzene	12.401	95	207876	48.270	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.855	85	75	Below Cal	#	43
11) Tert butyl alcohol	4.836	59	310	1.498	ug/l #	54
13) Acrolein	3.629	56	24	Below Cal	#	1
16) Acetone	3.885	43	865	1.417	ug/l #	70
20) Methylene Chloride	4.622	84	10864	3.902	ug/l	88
25) 2-Butanone	6.896	43	958	1.103	ug/l #	41
31) Cyclohexane	7.713	56	6761	1.474	ug/l #	9
36) 1,1-Dichloropropene	7.707	75	23939	5.810	ug/l #	48
38) Carbon Tetrachloride	7.707	117	30298	6.521	ug/l #	16
49) 1,4-Dioxane	9.042	88	26	1.302	ug/l #	20
76) 1,2,3-Trichloropropane	12.401	75	110972	67.060	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	110972	128.736	ug/l #	16

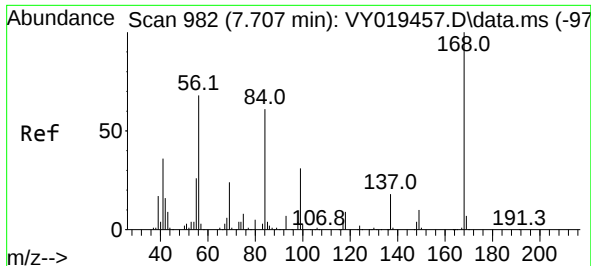
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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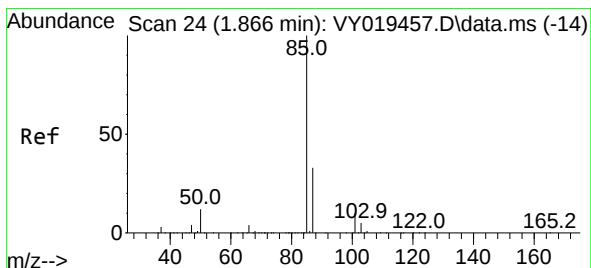
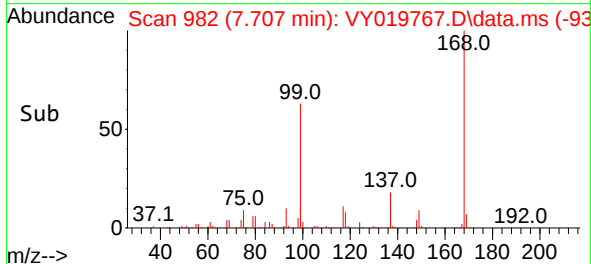
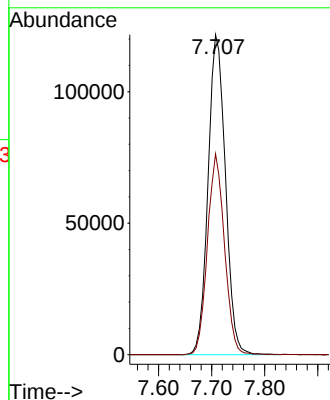
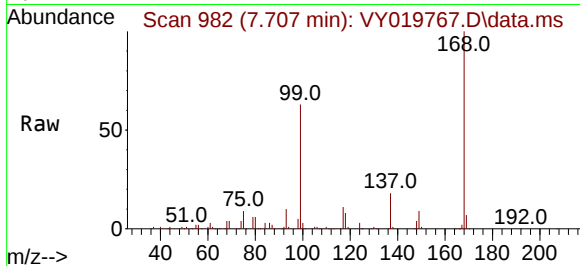




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

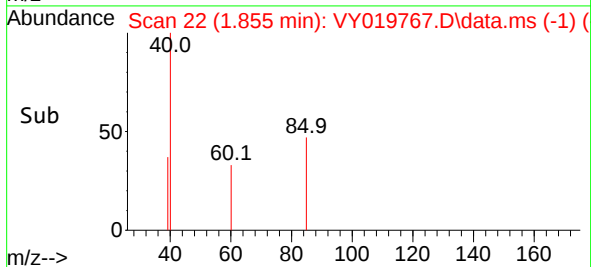
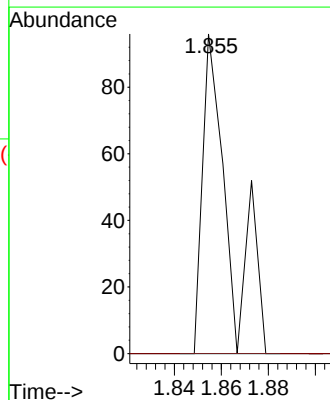
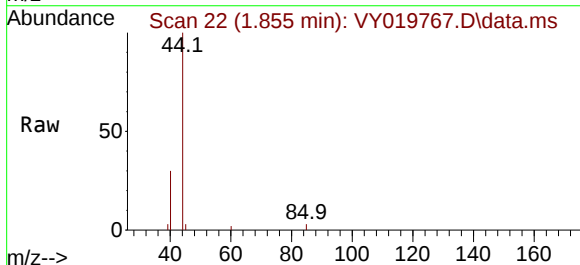
Instrument :
MSVOA_Y
ClientSampleId :

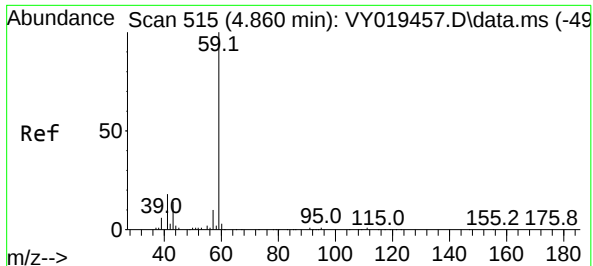
Tgt Ion:168 Resp: 276762
Ion Ratio Lower Upper
168 100
99 62.7 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.855 min Scan# 22
Delta R.T. -0.011 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Tgt Ion: 85 Resp: 75
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 1.498 ug/l

RT: 4.836 min Scan# 511

Delta R.T. -0.024 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

Instrument :

MSVOA_Y

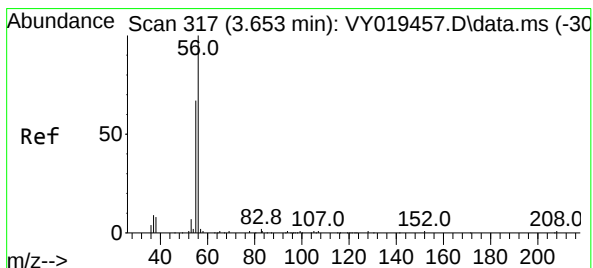
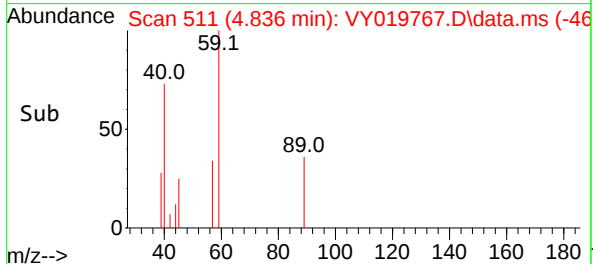
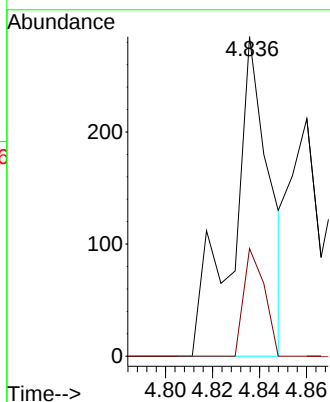
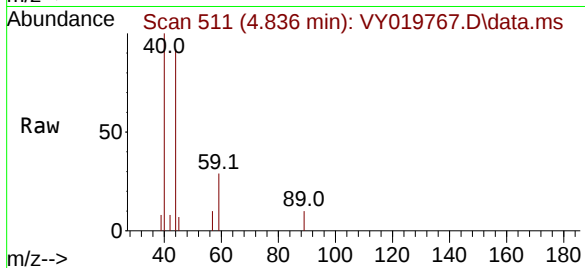
ClientSampleId :

Tgt Ion: 59 Resp: 310

Ion Ratio Lower Upper

59 100

57 19.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.629 min Scan# 313

Delta R.T. -0.024 min

Lab File: VY019767.D

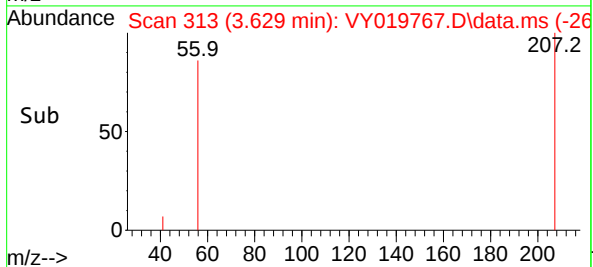
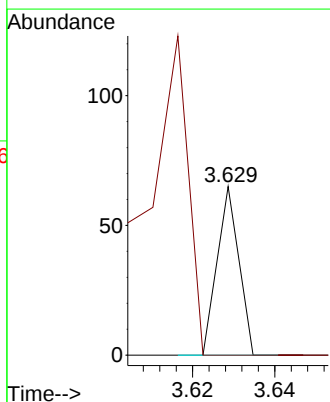
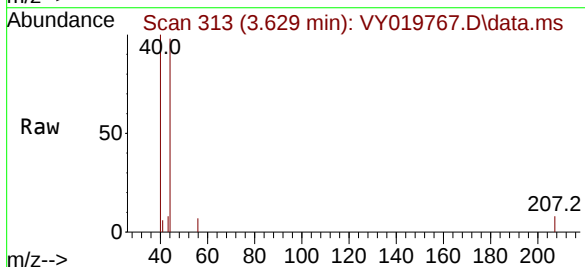
Acq: 02 Oct 2024 16:10

Tgt Ion: 56 Resp: 24

Ion Ratio Lower Upper

56 100

55 350.0 55.7 83.5#

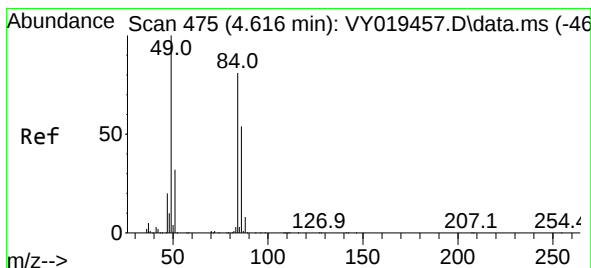
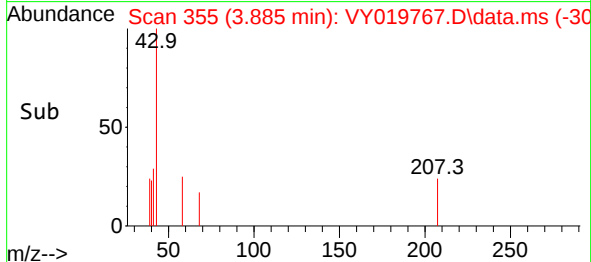
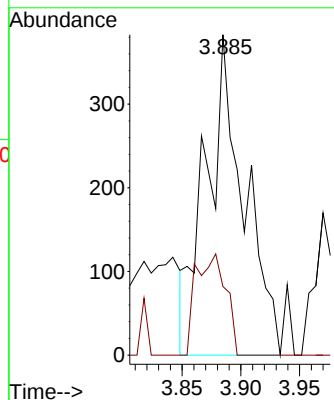
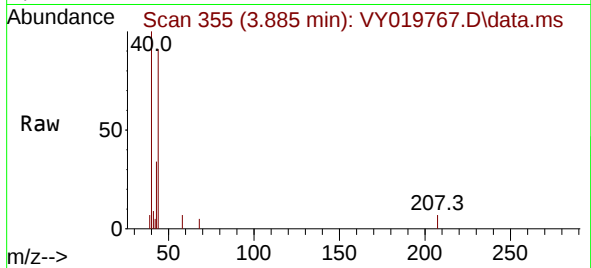




#16
Acetone
Concen: 1.417 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

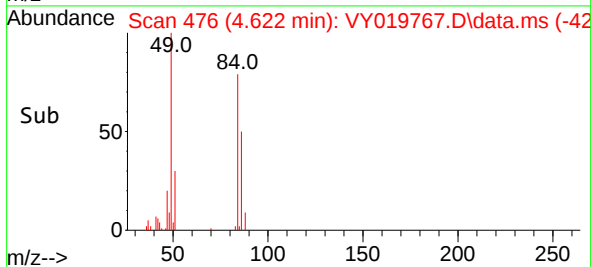
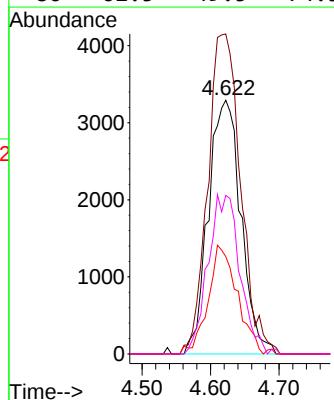
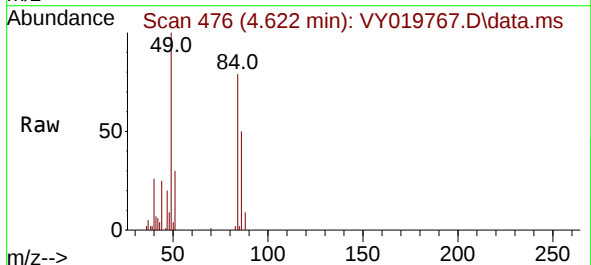
Instrument :
MSVOA_Y
ClientSampleId :

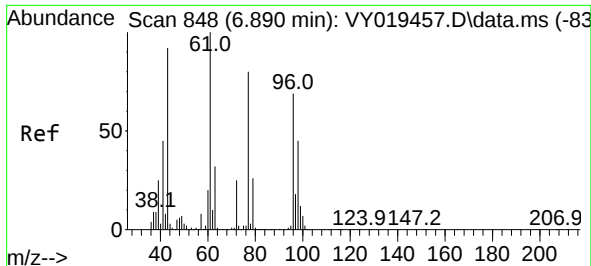
Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 21.4 31.7 47.5#



#20
Methylene Chloride
Concen: 3.902 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Tgt Ion: 84 Resp: 10864
Ion Ratio Lower Upper
84 100
49 126.1 84.4 126.6
51 38.3 26.0 39.0
86 62.5 49.5 74.3

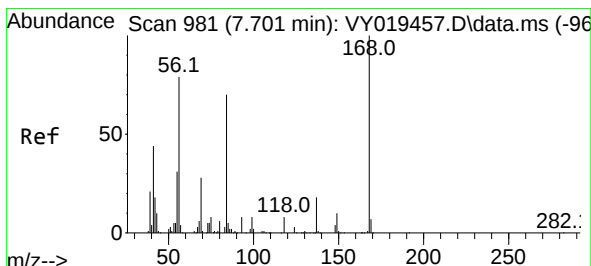
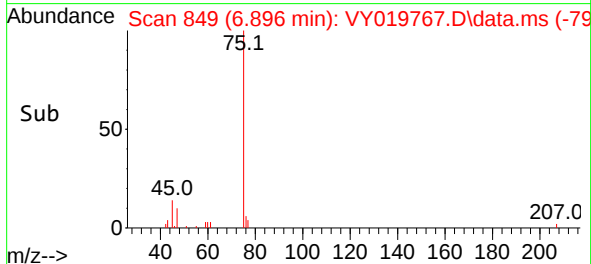
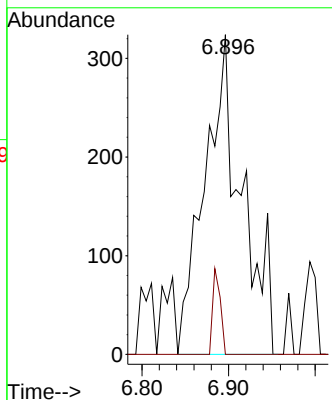
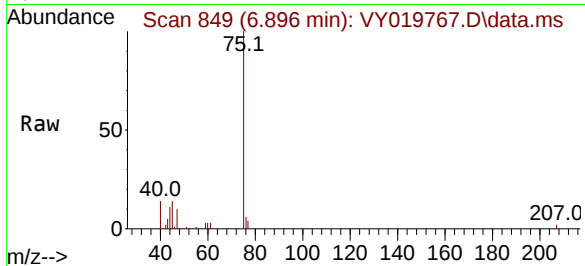




#25
2-Butanone
Concen: 1.103 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

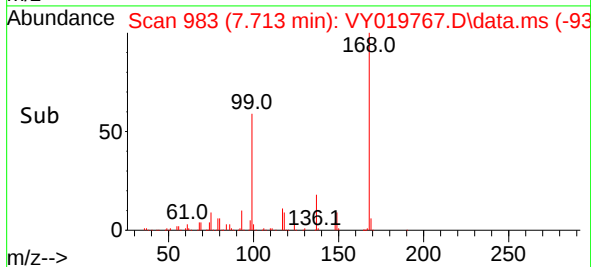
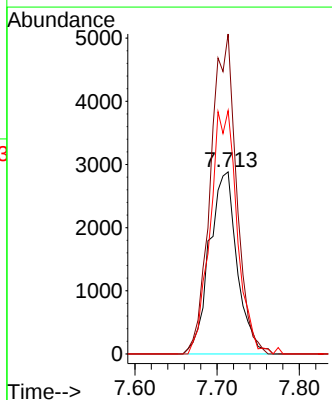
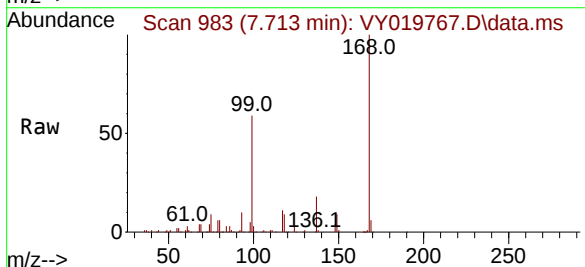
Instrument :
MSVOA_Y
ClientSampleId :

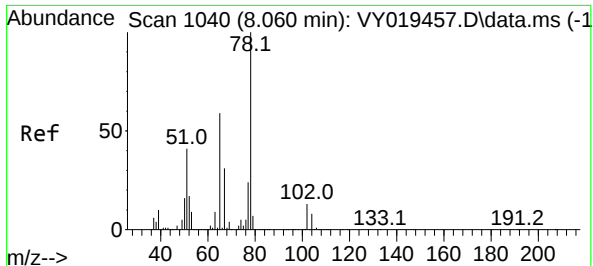
Tgt Ion: 43 Resp: 958
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.474 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Tgt Ion: 56 Resp: 6761
Ion Ratio Lower Upper
56 100
69 175.7 28.7 43.1#
84 133.6 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.114 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

Instrument :

MSVOA_Y

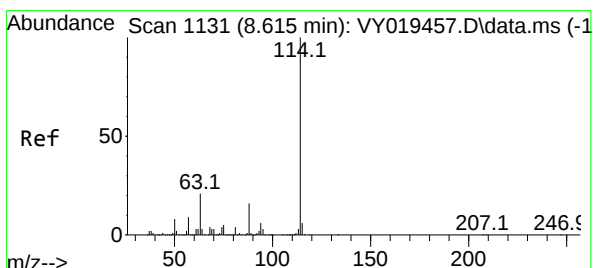
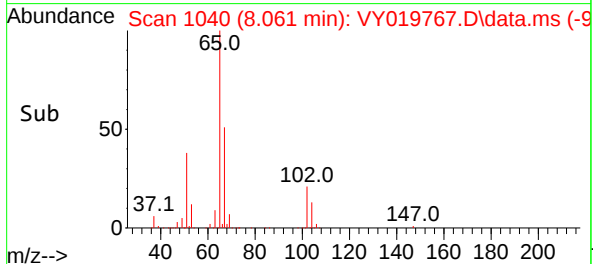
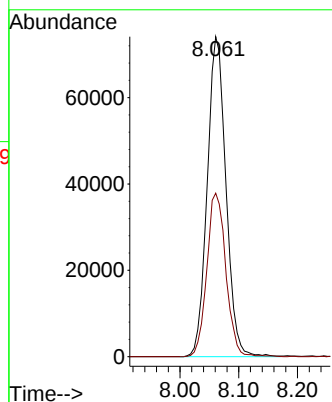
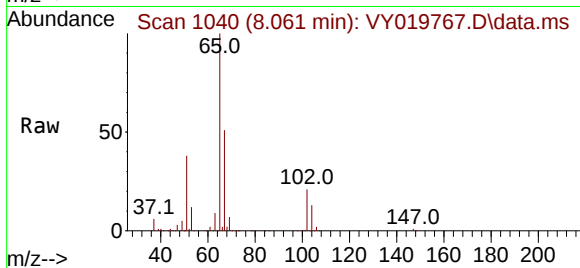
ClientSampleId :

Tgt Ion: 65 Resp: 164308

Ion Ratio Lower Upper

65 100

67 51.9 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

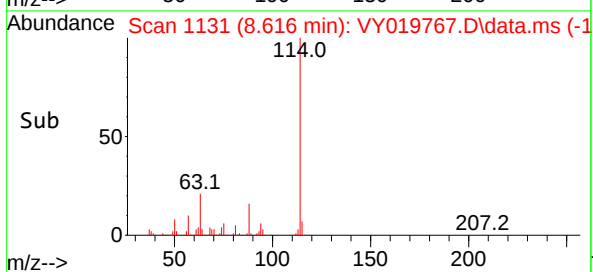
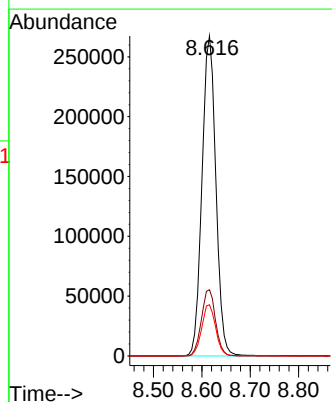
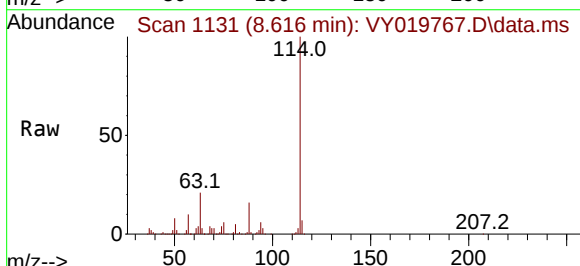
Tgt Ion: 114 Resp: 534065

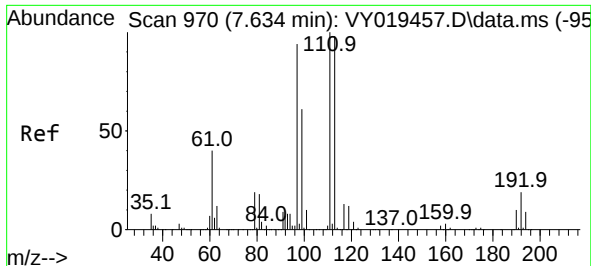
Ion Ratio Lower Upper

114 100

63 20.7 0.0 35.0

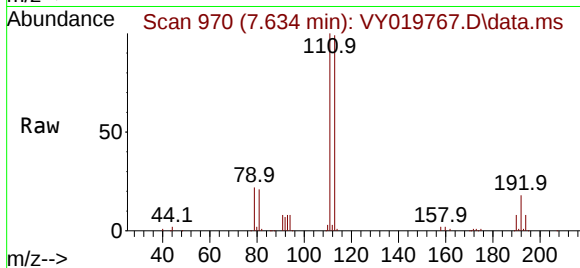
88 16.0 0.0 27.2



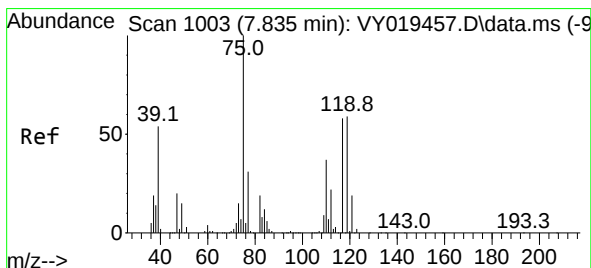
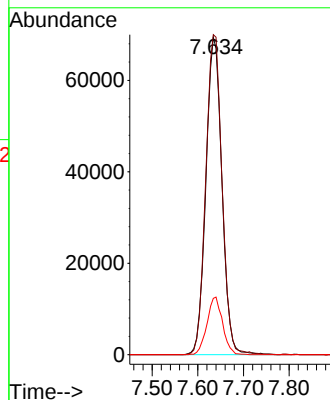
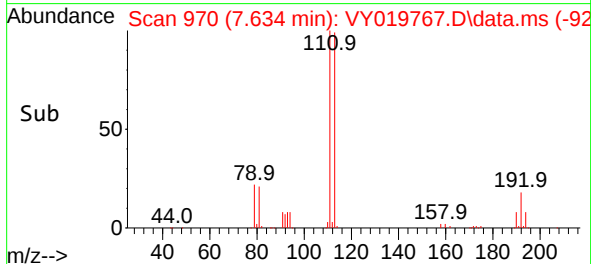


#35
 Dibromofluoromethane
 Concen: 55.794 ug/l
 RT: 7.634 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VY019767.D
 Acq: 02 Oct 2024 16:10

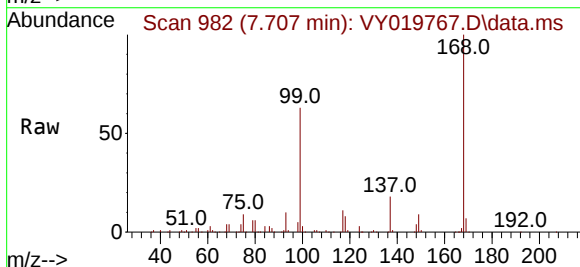
Instrument :
 MSVOA_Y
 ClientSampleId :



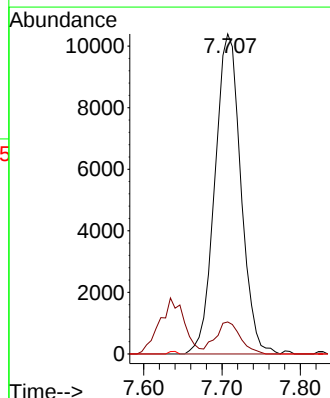
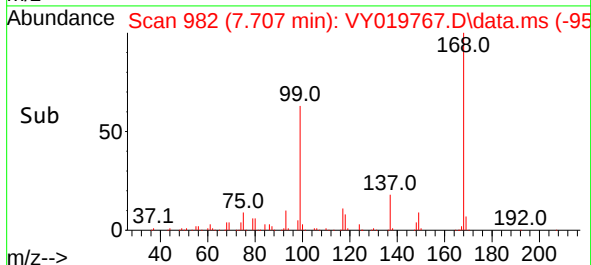
Tgt Ion:113 Resp: 168948
 Ion Ratio Lower Upper
 113 100
 111 102.2 82.2 123.4
 192 17.7 15.9 23.9

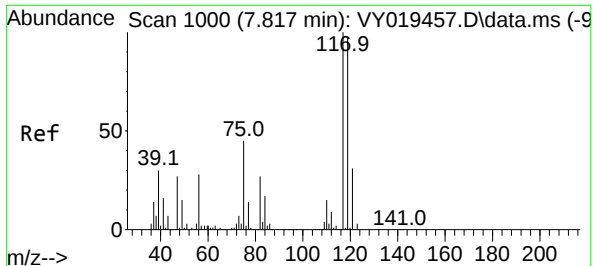


#36
 1,1-Dichloropropene
 Concen: 5.810 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY019767.D
 Acq: 02 Oct 2024 16:10



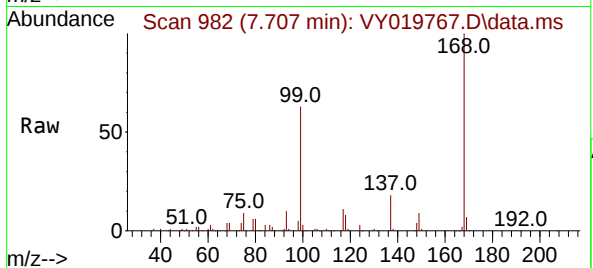
Tgt Ion: 75 Resp: 23939
 Ion Ratio Lower Upper
 75 100
 110 9.5 19.0 57.0#
 77 0.0 25.3 37.9#



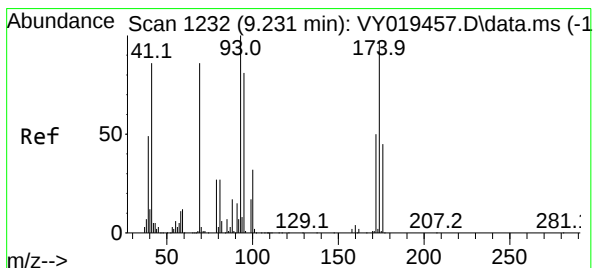
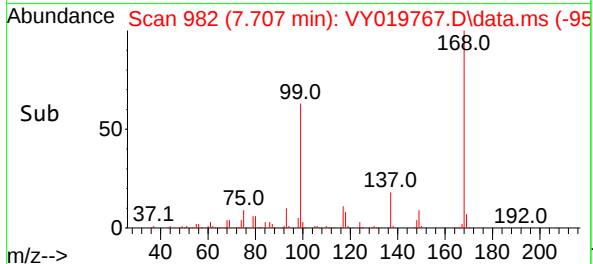
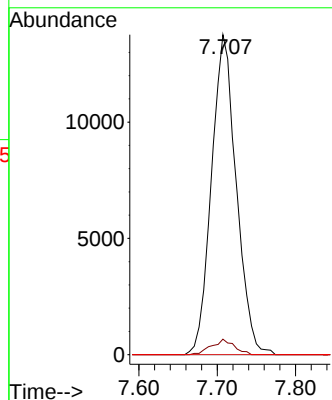


#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

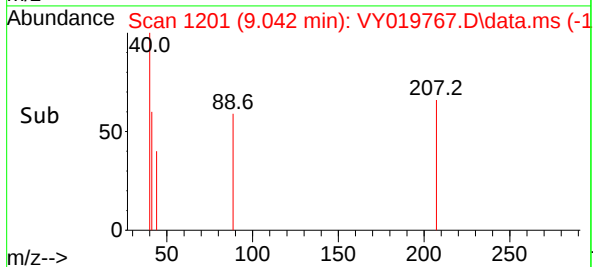
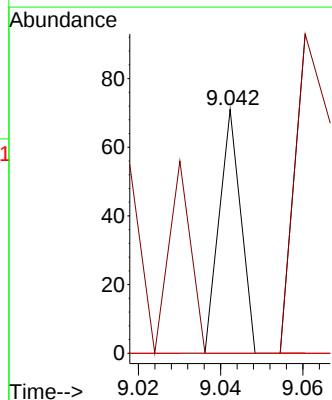
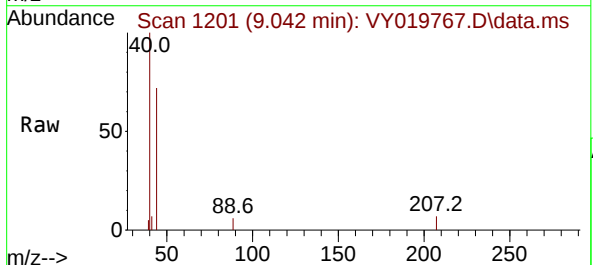


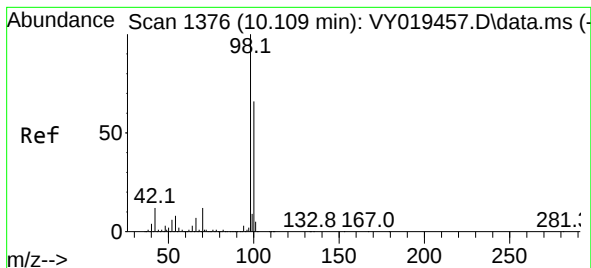
Tgt Ion:117 Resp: 30298
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 1.302 ug/l
RT: 9.042 min Scan# 1201
Delta R.T. -0.189 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 0.0 49.3 73.9#





#50

Toluene-d8

Concen: 56.428 ug/l

RT: 10.103 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

Instrument :

MSVOA_Y

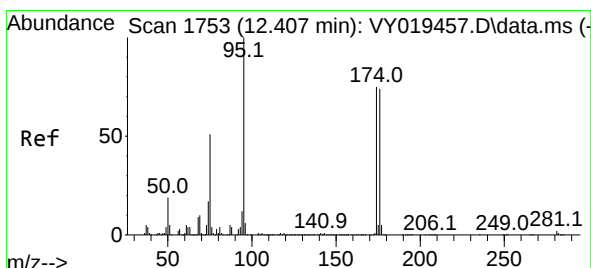
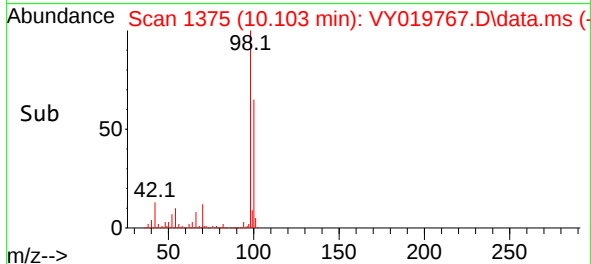
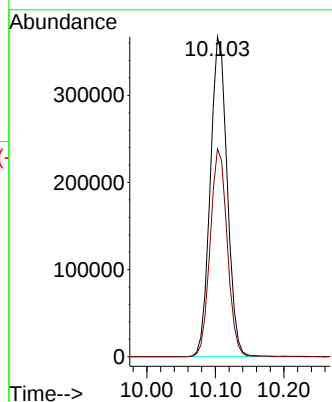
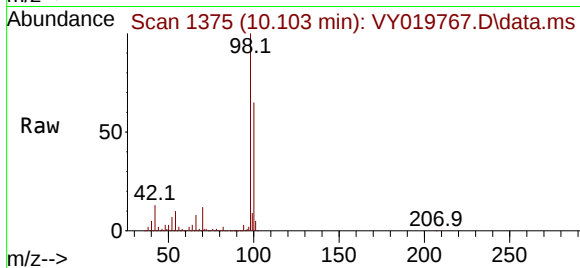
ClientSampleId :

Tgt Ion: 98 Resp: 631991

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 48.270 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

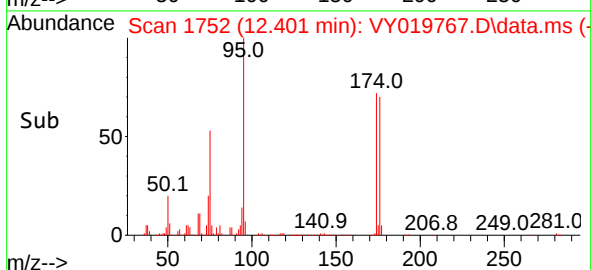
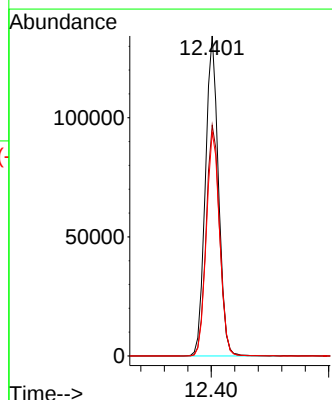
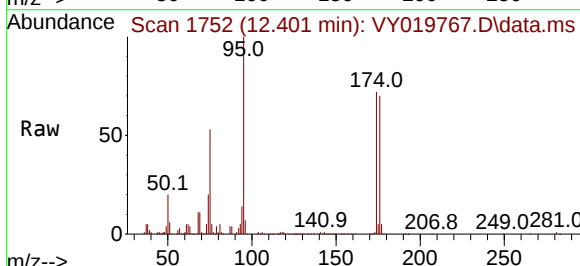
Tgt Ion: 95 Resp: 207876

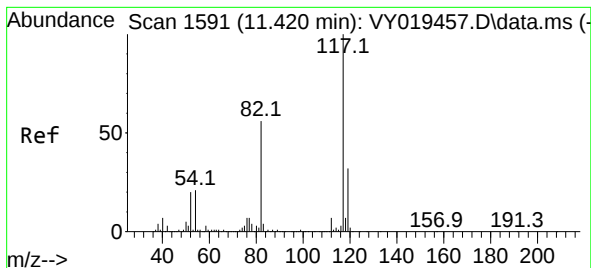
Ion Ratio Lower Upper

95 100

174 73.7 0.0 175.6

176 70.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

Instrument :

MSVOA_Y

ClientSampleId :

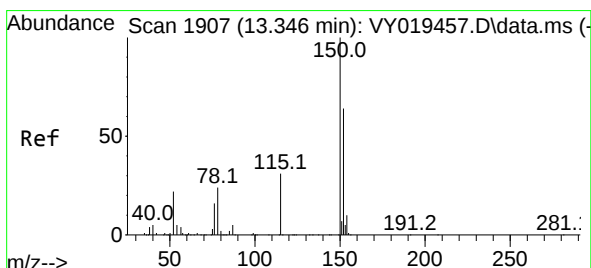
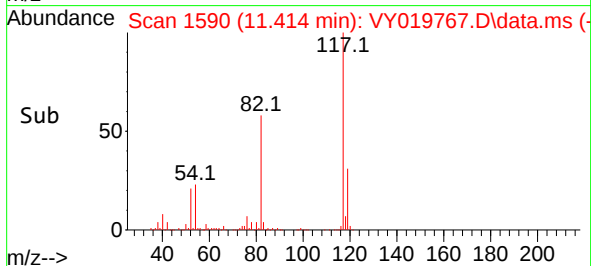
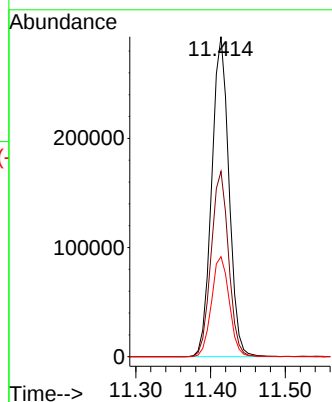
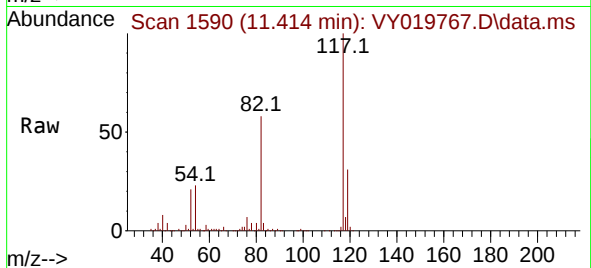
Tgt Ion:117 Resp: 470057

Ion Ratio Lower Upper

117 100

82 57.9 42.4 63.6

119 31.3 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY019767.D

Acq: 02 Oct 2024 16:10

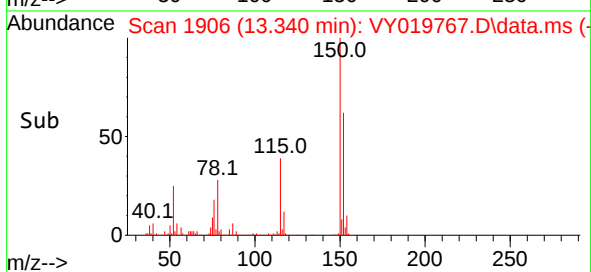
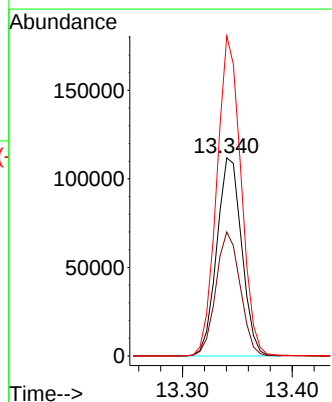
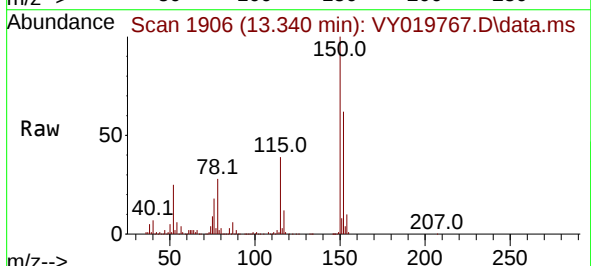
Tgt Ion:152 Resp: 176553

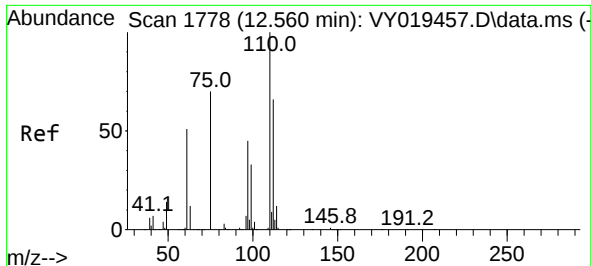
Ion Ratio Lower Upper

152 100

115 61.3 28.2 84.7

150 157.4 0.0 345.6

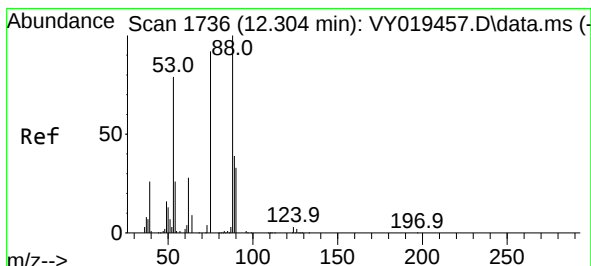
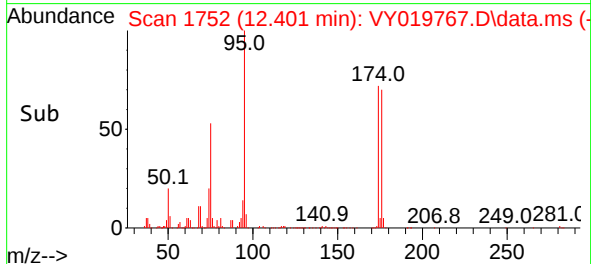
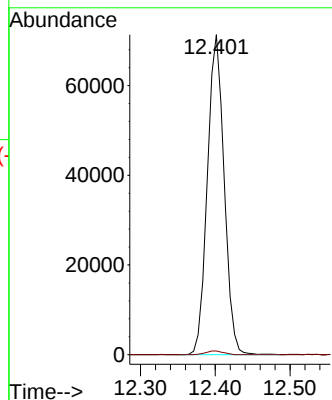
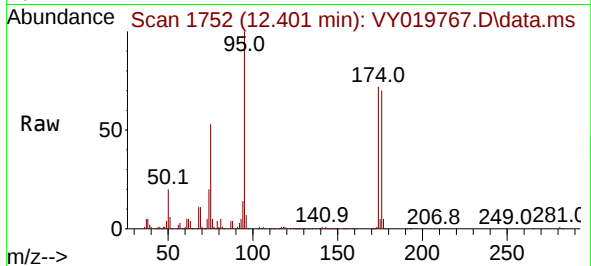




#76
1,2,3-Trichloropropane
Concen: 67.060 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.158 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 110972
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.736 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019767.D
Acq: 02 Oct 2024 16:10

Tgt Ion: 75 Resp: 110972
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

