

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092524\
 Data File : VY019694.D
 Acq On : 25 Sep 2024 14:51
 Operator : SY/MD
 Sample : P4150-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 26 04:00:42 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)

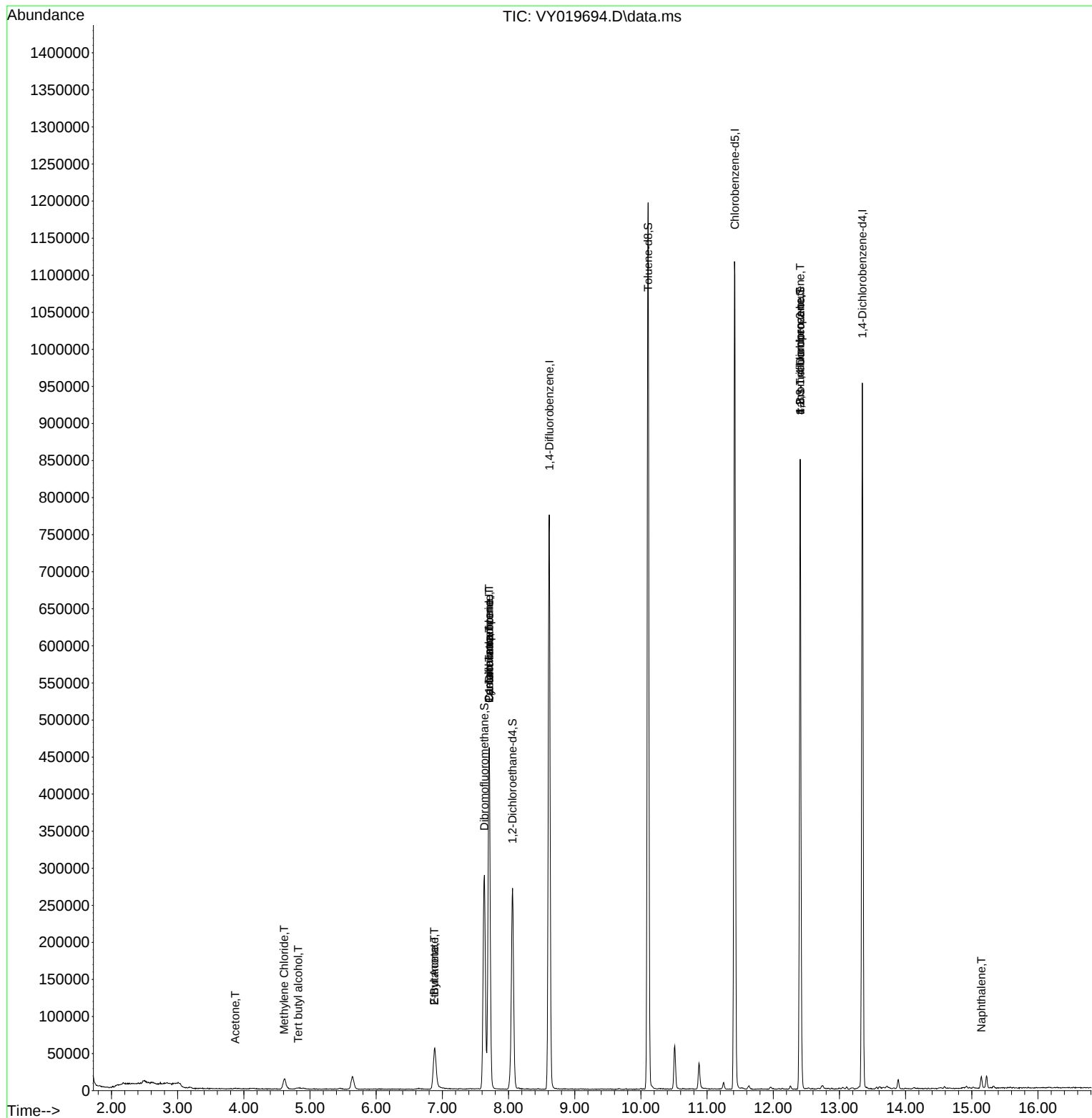
Internal Standards						
1) Pentafluorobenzene	7.707	168	344420	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	651761	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	590938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	224810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	206251	64.671	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 129.340%		
35) Dibromofluoromethane	7.634	113	207047	56.029	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 112.060%		
50) Toluene-d8	10.109	98	776119	56.782	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 113.560%		
62) 4-Bromofluorobenzene	12.408	95	257579	49.011	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 98.020%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	118	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	1712	6.647	ug/l	# 90
13) Acrolein	3.629	56	25	Below Cal	#	1
16) Acetone	3.873	43	1905	2.507	ug/l	88
20) Methylene Chloride	4.610	84	9891	2.855	ug/l	# 85
25) 2-Butanone	6.878	43	3790	3.507	ug/l	# 63
31) Cyclohexane	7.707	56	8364	1.465	ug/l	# 10
36) 1,1-Dichloropropene	7.707	75	28551	5.678	ug/l	# 48
37) Ethyl Acetate	6.878	43	3790	1.471	ug/l	# 69
38) Carbon Tetrachloride	7.707	117	37786	6.664	ug/l	# 16
76) 1,2,3-Trichloropropane	12.408	75	137196	65.111	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.408	75	137196	124.993	ug/l	# 16
95) Naphthalene	15.145	128	13034	1.706	ug/l	98

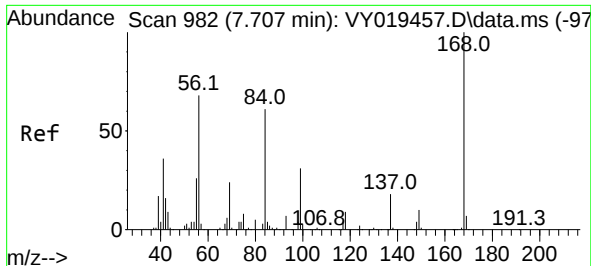
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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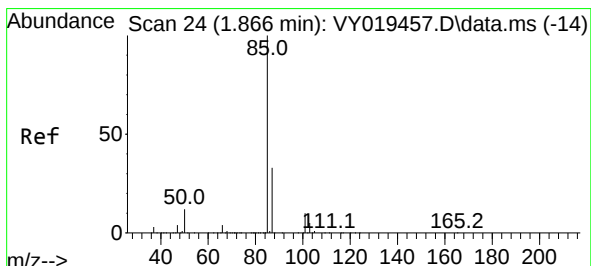
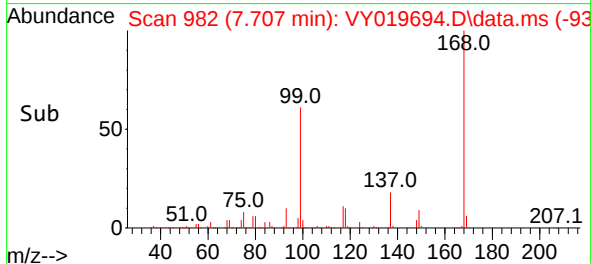
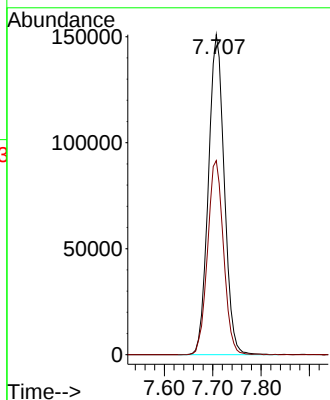
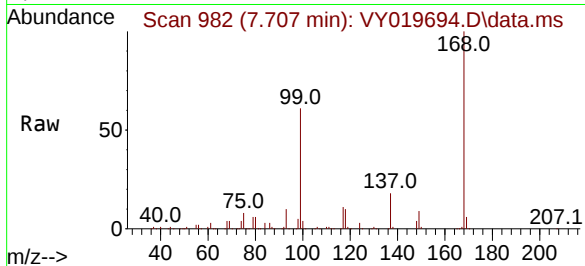




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

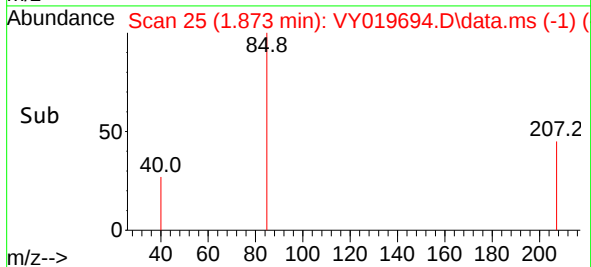
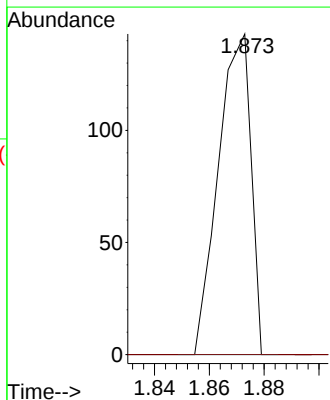
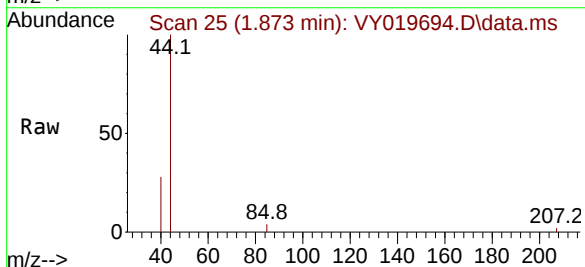
Instrument :
MSVOA_Y
ClientSampleId :

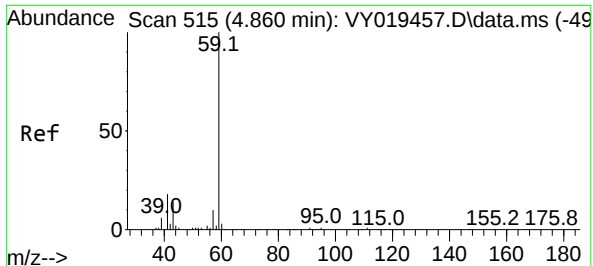
Tgt Ion:168 Resp: 344420
Ion Ratio Lower Upper
168 100
99 60.7 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

Tgt Ion: 85 Resp: 118
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 6.647 ug/l

RT: 4.824 min Scan# 509

Delta R.T. -0.036 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

Instrument :

MSVOA_Y

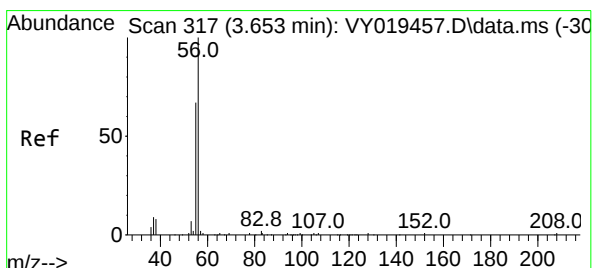
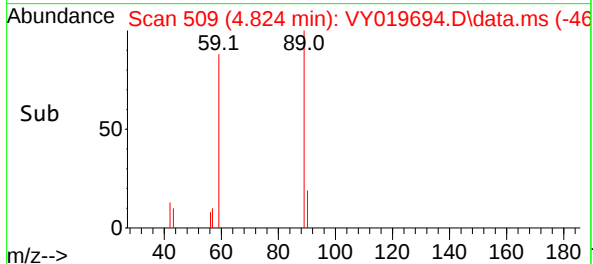
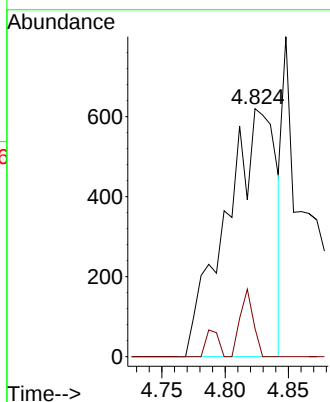
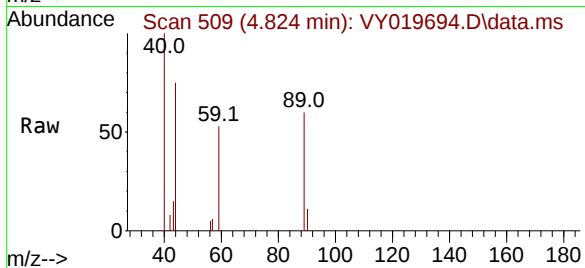
ClientSampleId :

Tgt Ion: 59 Resp: 1712

Ion Ratio Lower Upper

59 100

57 7.2 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.629 min Scan# 313

Delta R.T. -0.024 min

Lab File: VY019694.D

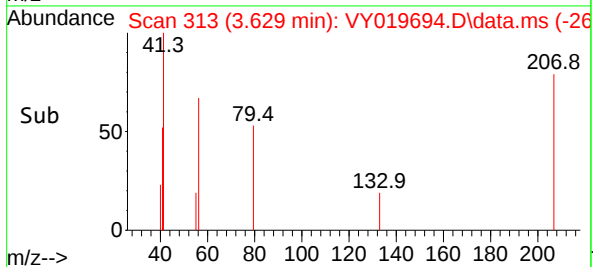
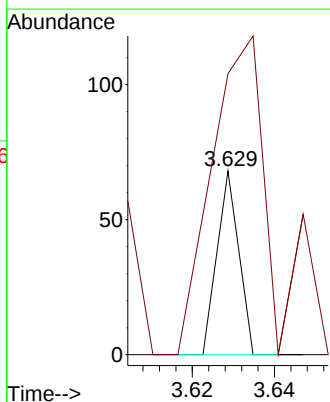
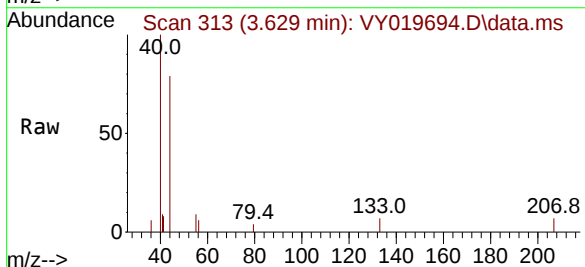
Acq: 25 Sep 2024 14:51

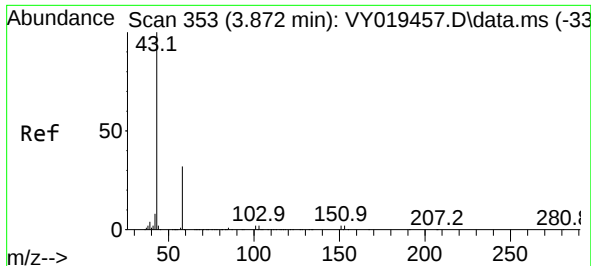
Tgt Ion: 56 Resp: 25

Ion Ratio Lower Upper

56 100

55 476.0 55.7 83.5#

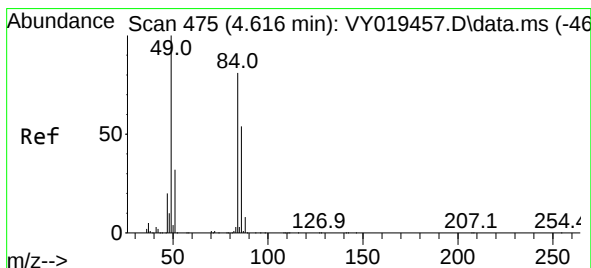
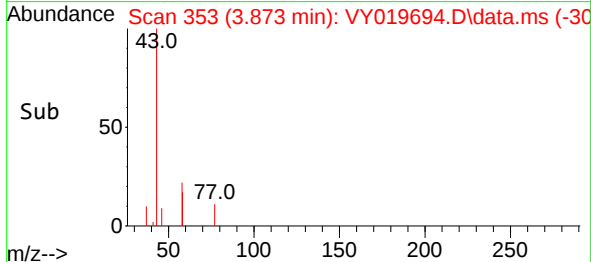
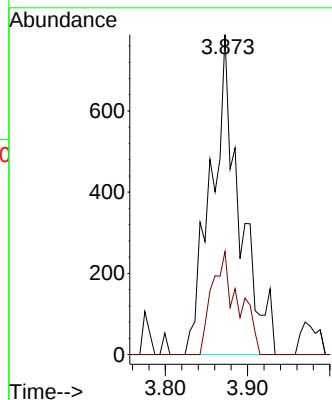
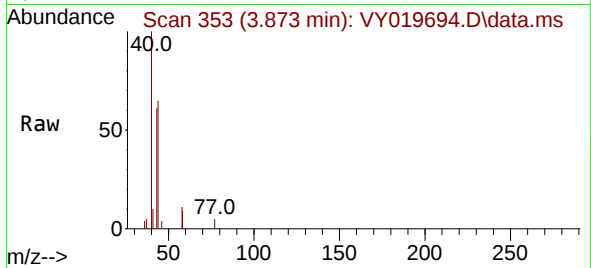




#16
Acetone
Concen: 2.507 ug/l
RT: 3.873 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

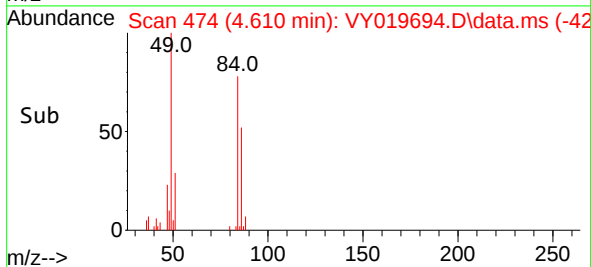
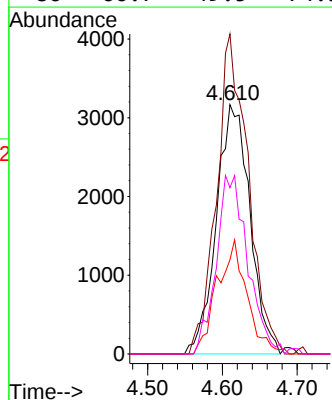
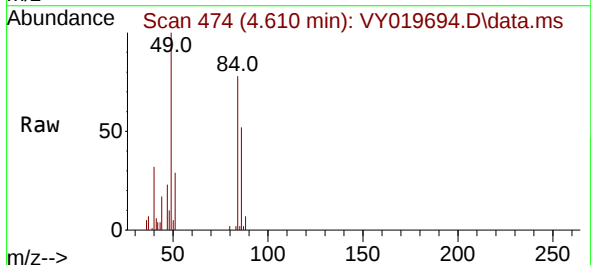
Instrument :
MSVOA_Y
ClientSampleId :

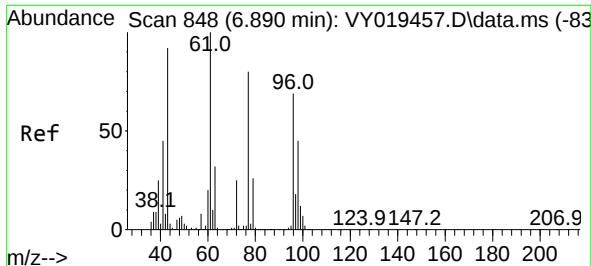
Tgt Ion: 43 Resp: 1905
Ion Ratio Lower Upper
43 100
58 32.2 31.7 47.5



#20
Methylene Chloride
Concen: 2.855 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

Tgt Ion: 84 Resp: 9891
Ion Ratio Lower Upper
84 100
49 128.4 84.4 126.6#
51 37.8 26.0 39.0
86 66.7 49.5 74.3





#25

2-Butanone

Concen: 3.507 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.012 min

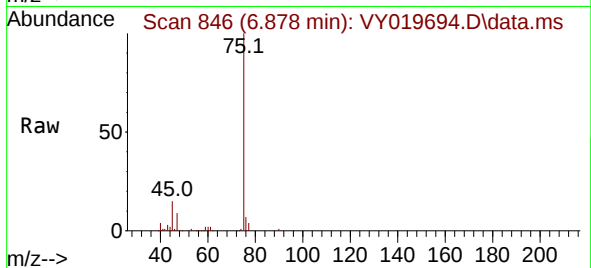
Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

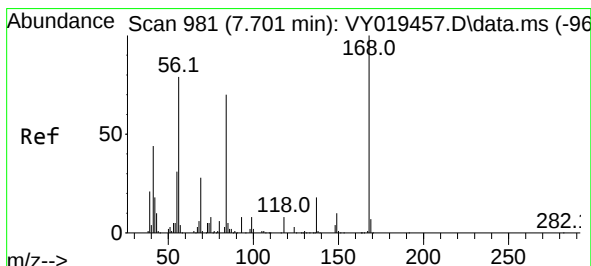
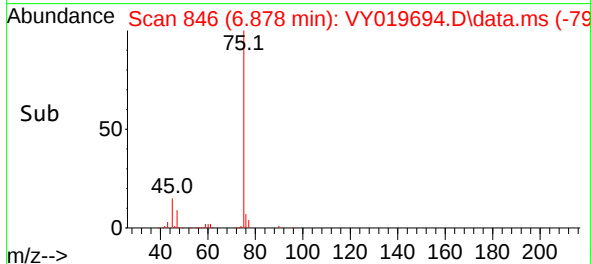
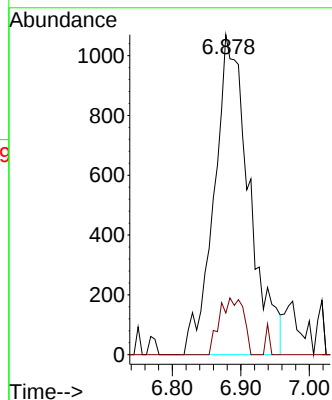


Tgt Ion: 43 Resp: 3790

Ion Ratio Lower Upper

43 100

72 13.0 27.3 40.9#



#31

Cyclohexane

Concen: 1.465 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

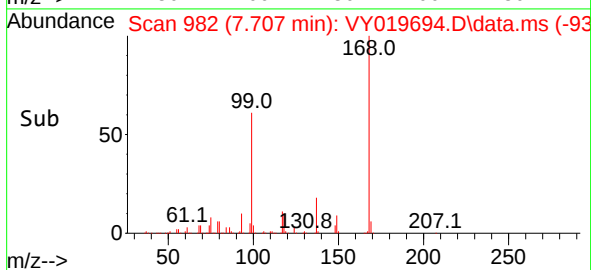
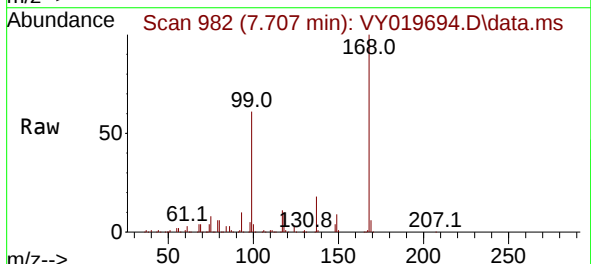
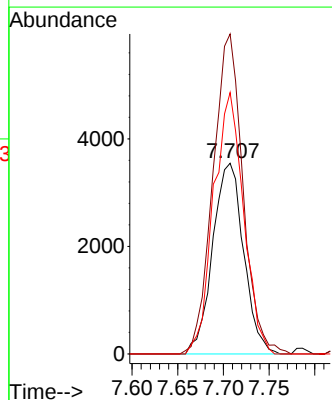
Tgt Ion: 56 Resp: 8364

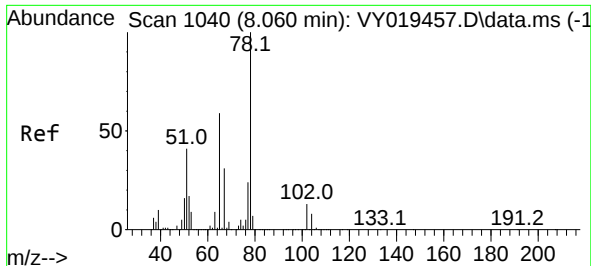
Ion Ratio Lower Upper

56 100

69 167.9 28.7 43.1#

84 137.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 64.671 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

Instrument :

MSVOA_Y

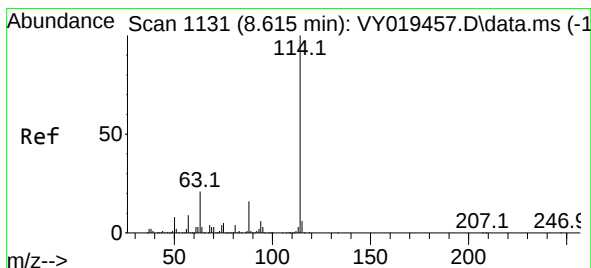
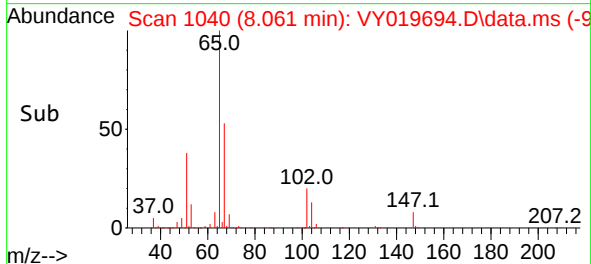
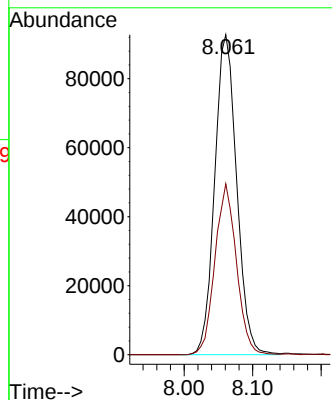
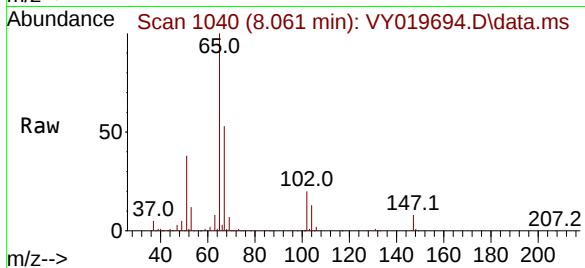
ClientSampleId :

Tgt Ion: 65 Resp: 206251

Ion Ratio Lower Upper

65 100

67 52.2 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: VY019694.D

Acq: 25 Sep 2024 14:51

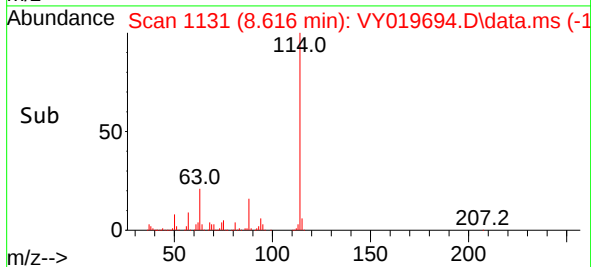
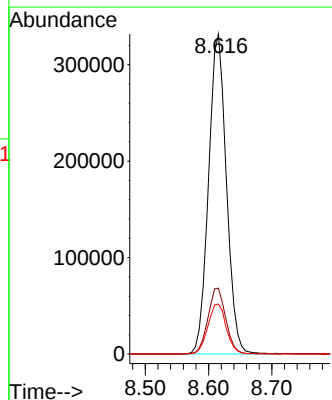
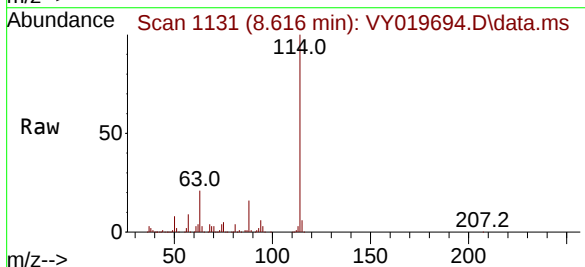
Tgt Ion: 114 Resp: 651761

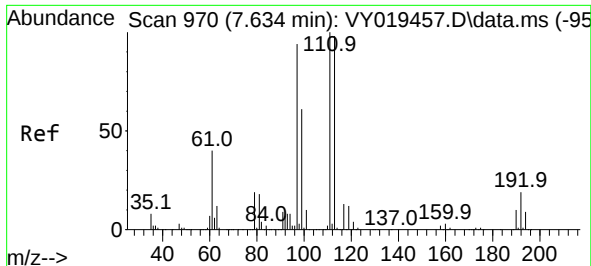
Ion Ratio Lower Upper

114 100

63 20.5 0.0 35.0

88 15.6 0.0 27.2

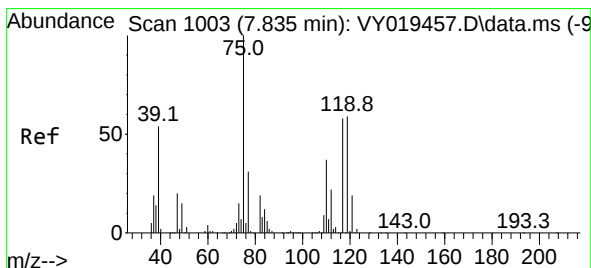
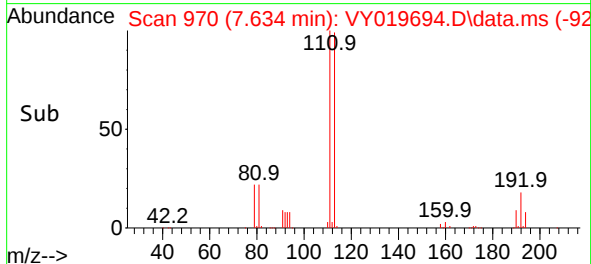
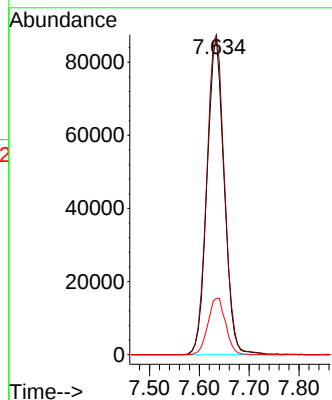
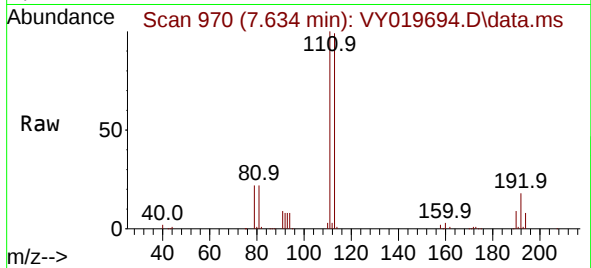




#35
Dibromofluoromethane
Concen: 56.029 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

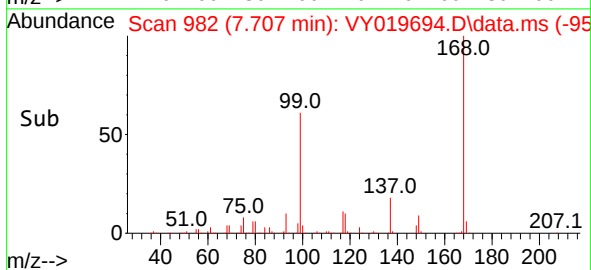
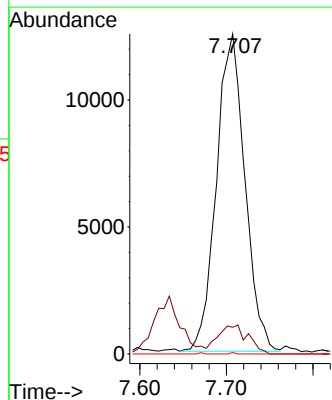
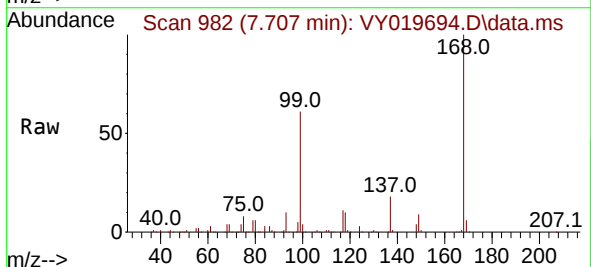
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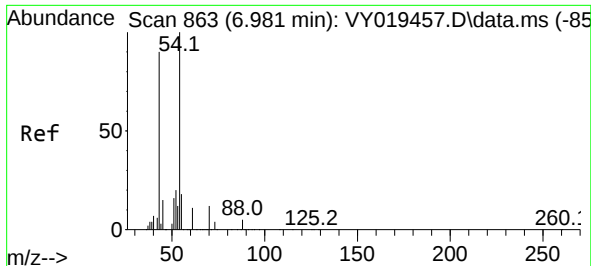
Tgt Ion:113 Resp: 207047
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.4
192 18.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.678 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

Tgt Ion: 75 Resp: 28551
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.1 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.471 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.103 min

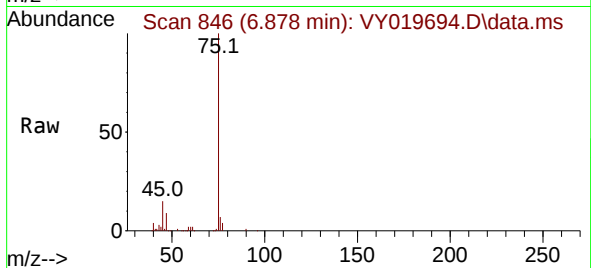
Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

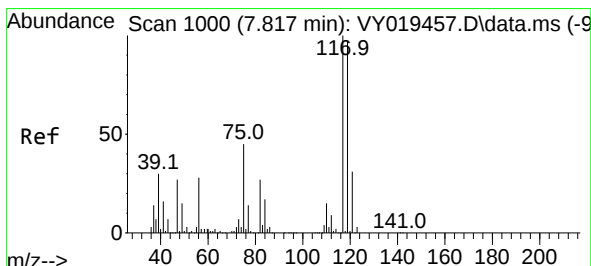
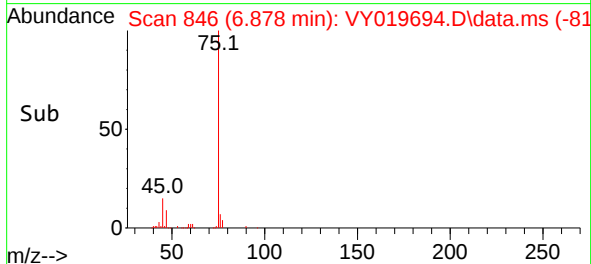
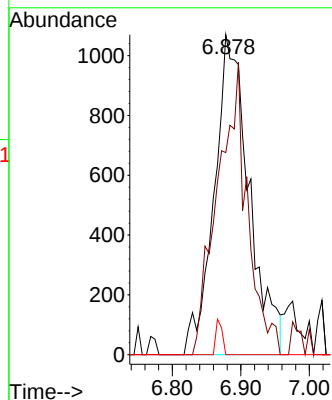
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	3790
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	2.0	7.8	11.8#



#38

Carbon Tetrachloride

Concen: 6.664 ug/l

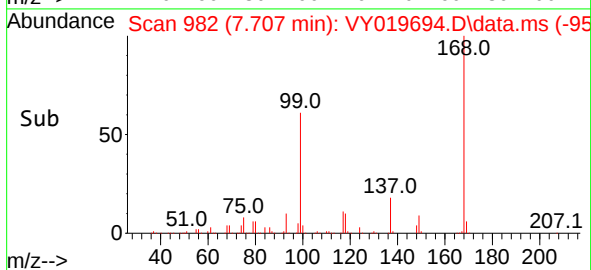
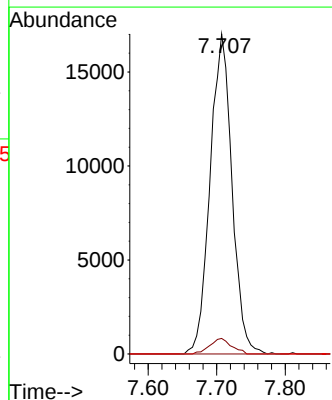
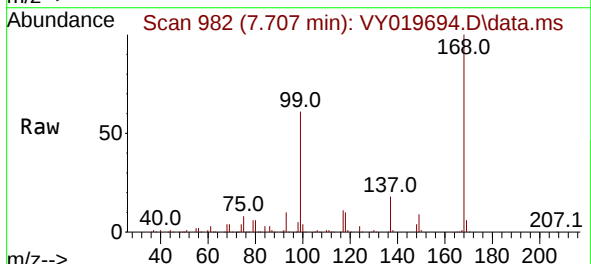
RT: 7.707 min Scan# 982

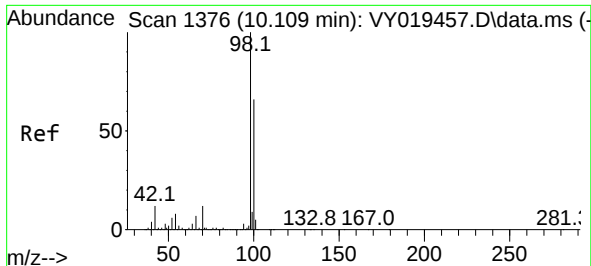
Delta R.T. -0.109 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

Tgt Ion:	117	Resp:	37786
Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.8	113.6#
121	0.0	24.0	36.0#

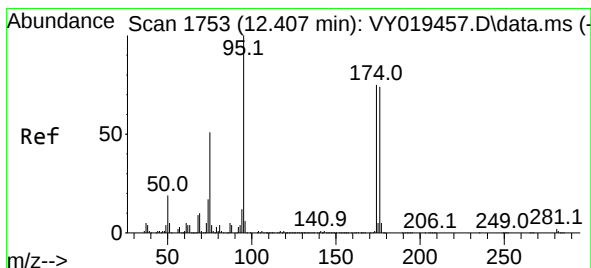
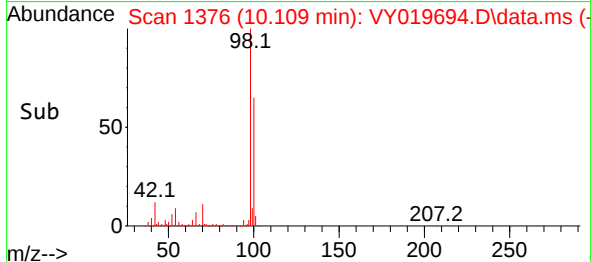
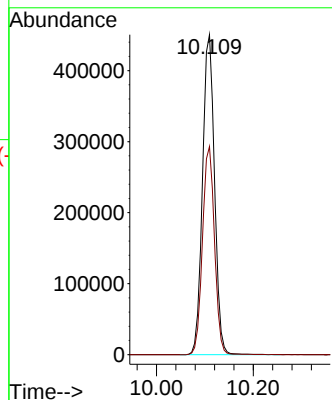
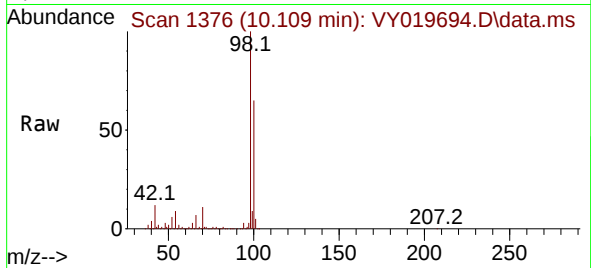




#50
Toluene-d8
Concen: 56.782 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

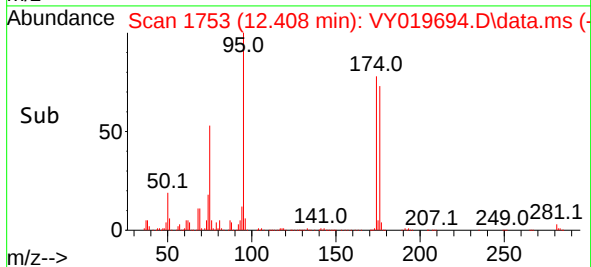
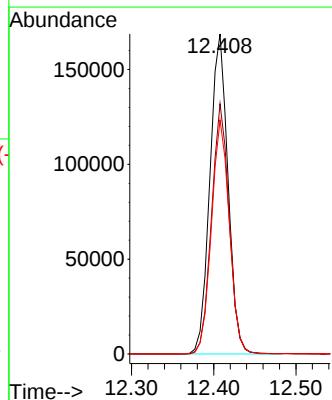
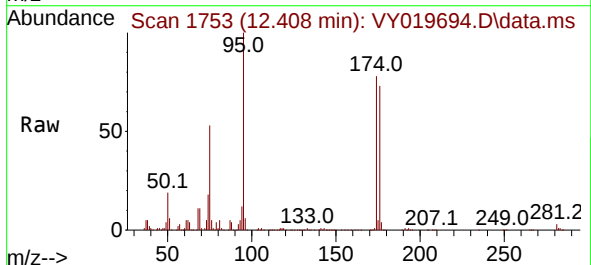
Instrument :
MSVOA_Y
ClientSampleId :

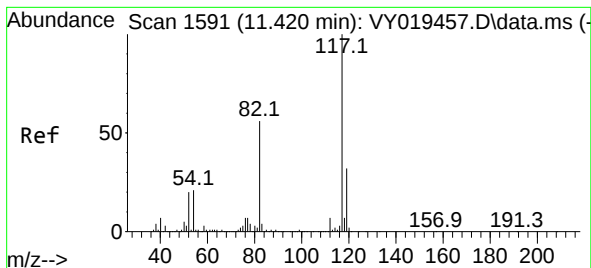
Tgt Ion: 98 Resp: 776119
Ion Ratio Lower Upper
98 100
100 65.0 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.011 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

Tgt Ion: 95 Resp: 257579
Ion Ratio Lower Upper
95 100
174 76.2 0.0 175.6
176 72.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

Instrument :

MSVOA_Y

ClientSampleId :

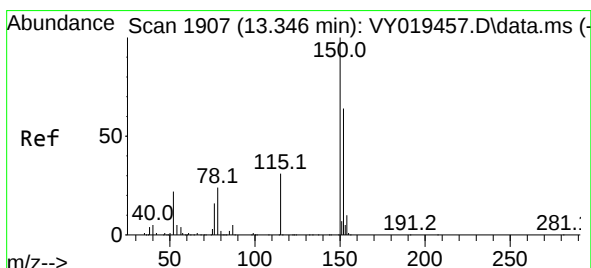
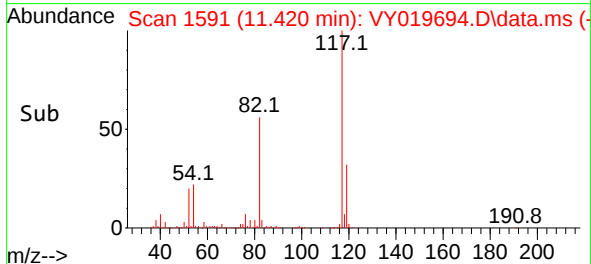
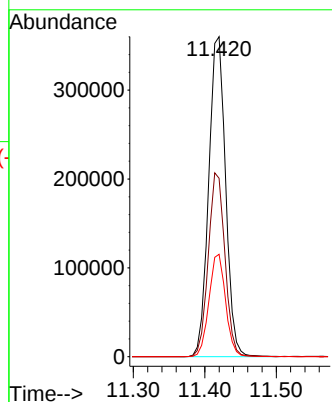
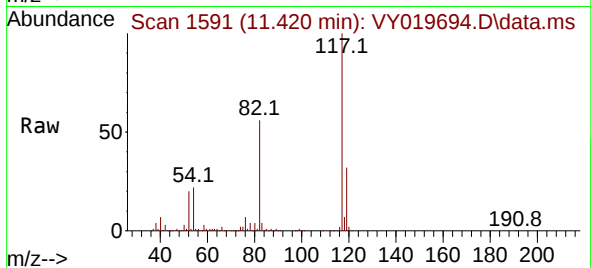
Tgt Ion:117 Resp: 590938

Ion Ratio Lower Upper

117 100

82 55.8 42.4 63.6

119 32.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019694.D

Acq: 25 Sep 2024 14:51

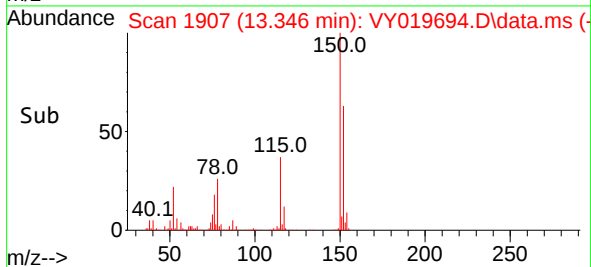
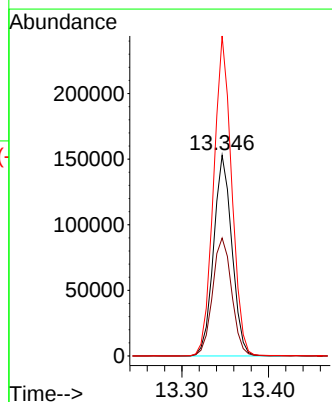
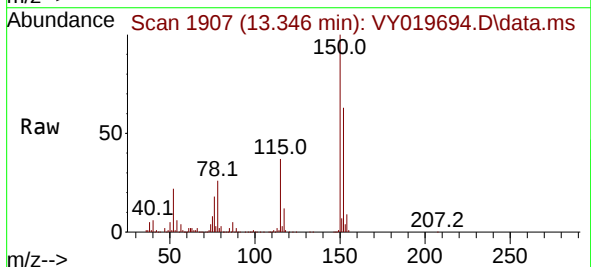
Tgt Ion:152 Resp: 224810

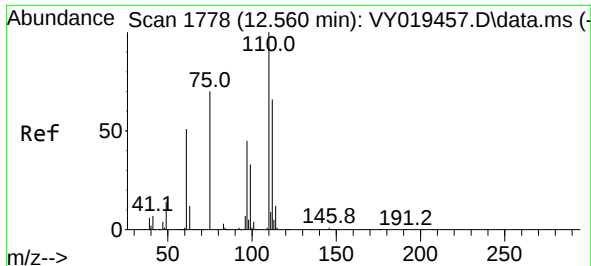
Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 157.5 0.0 345.6

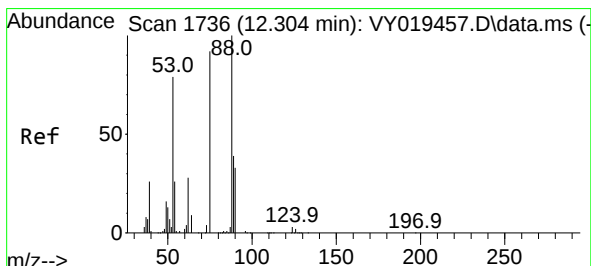
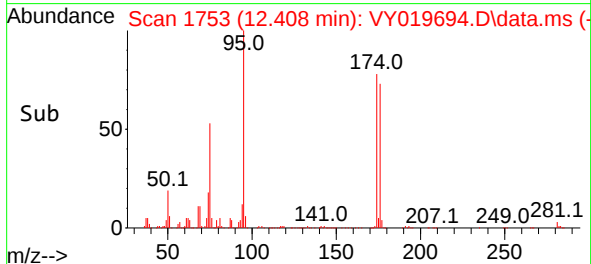
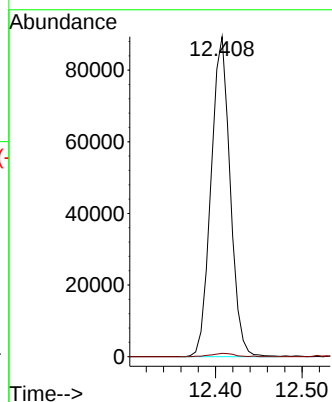
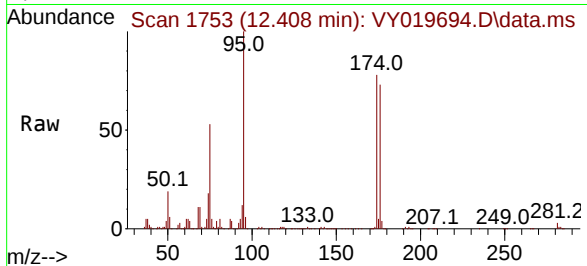




#76
1,2,3-Trichloropropane
Concen: 65.111 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

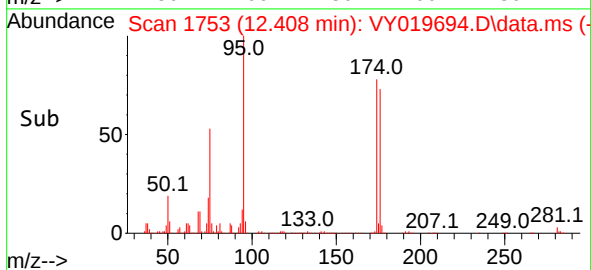
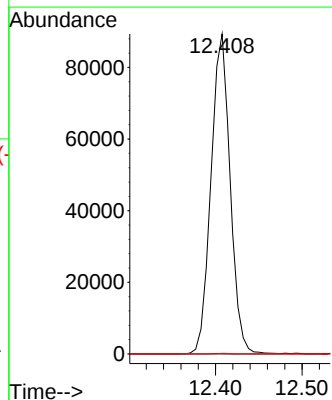
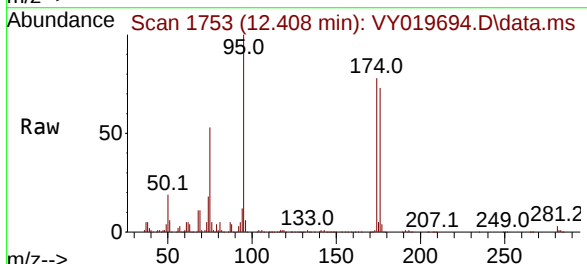
Instrument :
MSVOA_Y
ClientSampleId :

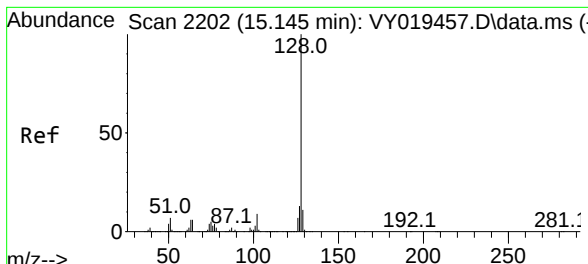
Tgt Ion: 75 Resp: 137196
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.993 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY019694.D
Acq: 25 Sep 2024 14:51

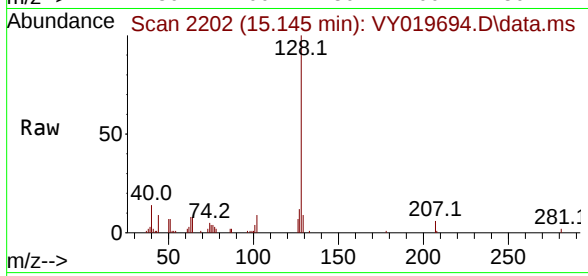
Tgt Ion: 75 Resp: 137196
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#





#95
 Naphthalene
 Concen: 1.706 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY019694.D
 Acq: 25 Sep 2024 14:51

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	13034
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	9.3	8.6	13.0

