

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100724\
 Data File : VY019812.D
 Acq On : 07 Oct 2024 15:39
 Operator : SY/MD
 Sample : P4321-03
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 08 01:41:24 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)

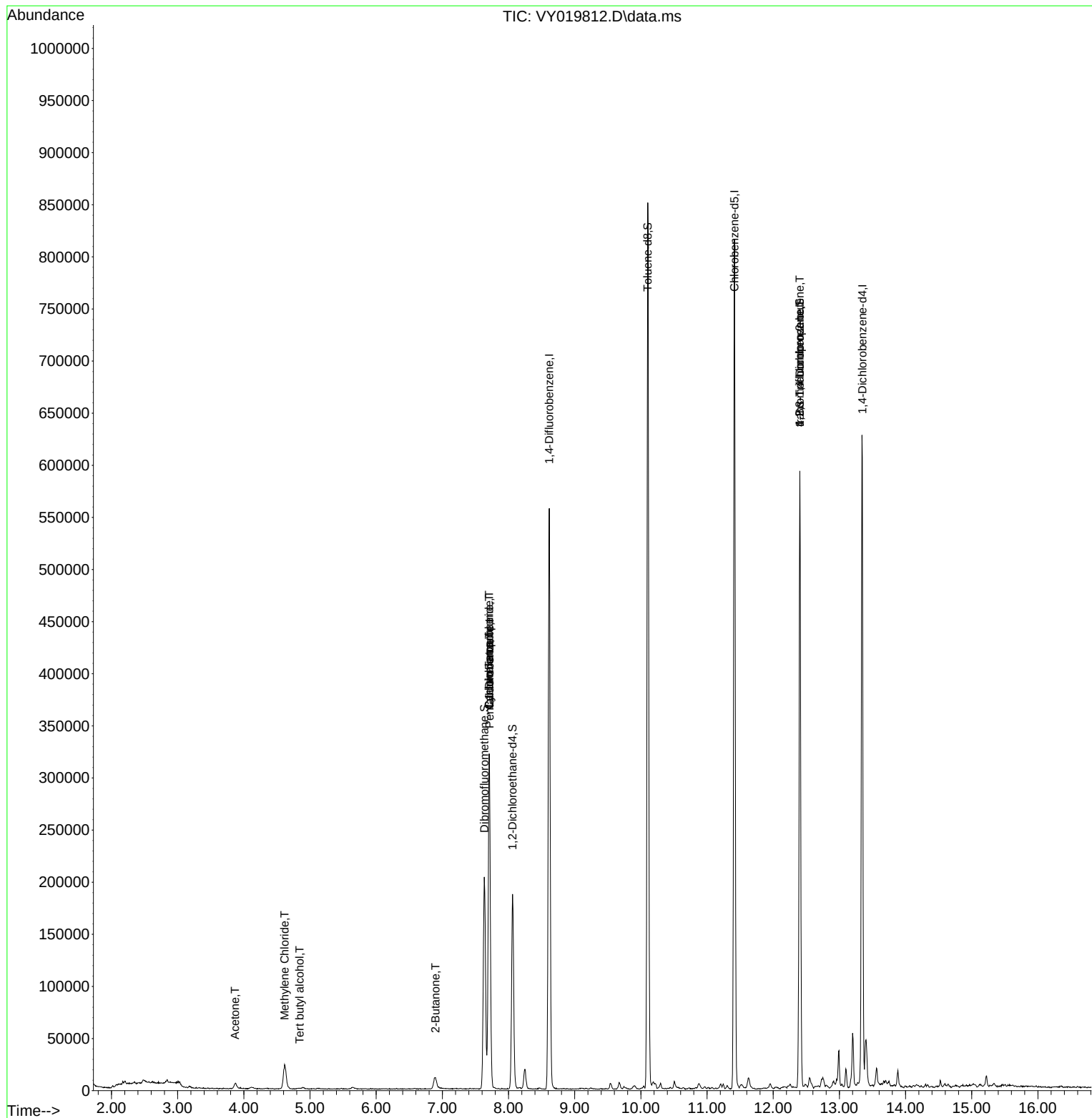
Internal Standards						
1) Pentafluorobenzene	7.713	168	228231	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	451259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	403469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	149097	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	144931	68.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.160%	
35) Dibromofluoromethane	7.634	113	143537	56.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.200%	
50) Toluene-d8	10.103	98	538000	56.850	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.700%	
62) 4-Bromofluorobenzene	12.401	95	176028	48.375	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.879	85	23	Below Cal	#	43
11) Tert butyl alcohol	4.842	59	1522	8.918	ug/l	# 88
13) Acrolein	3.641	56	27	Below Cal	#	1
16) Acetone	3.866	43	9784	19.433	ug/l	# 82
20) Methylene Chloride	4.616	84	15705	6.840	ug/l	# 81
25) 2-Butanone	6.896	43	2666	3.723	ug/l	# 78
31) Cyclohexane	7.707	56	6083	1.608	ug/l	# 21
36) 1,1-Dichloropropene	7.707	75	21063	6.050	ug/l	# 48
38) Carbon Tetrachloride	7.707	117	25366	6.461	ug/l	# 17
76) 1,2,3-Trichloropropane	12.401	75	97884	70.044	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.401	75	97884	134.463	ug/l	# 16

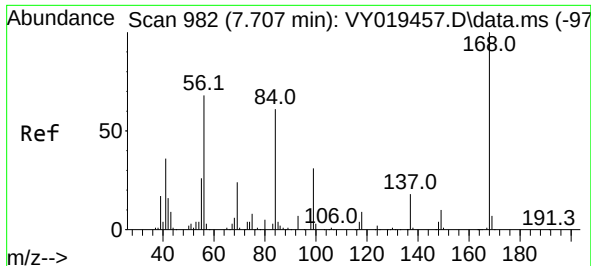
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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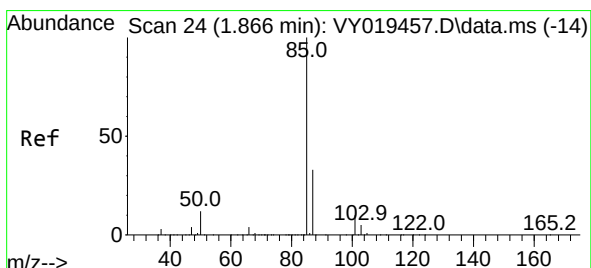
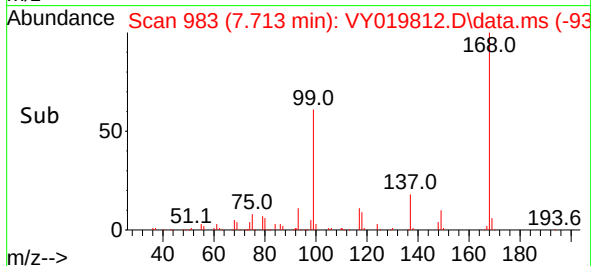
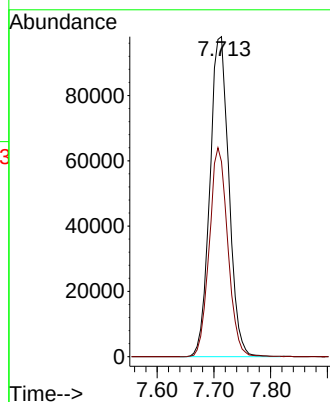
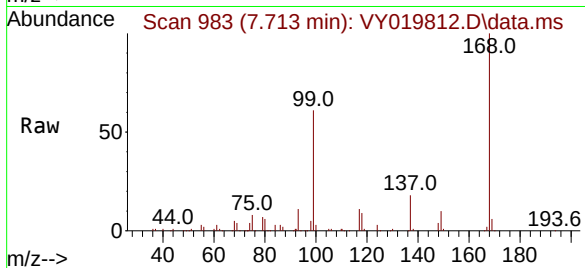




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

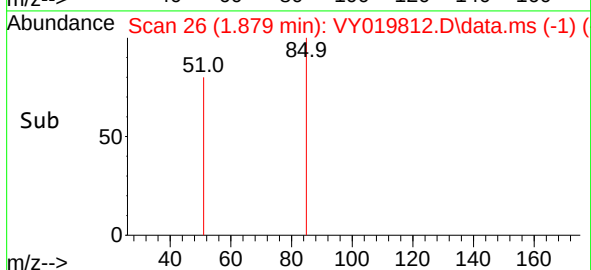
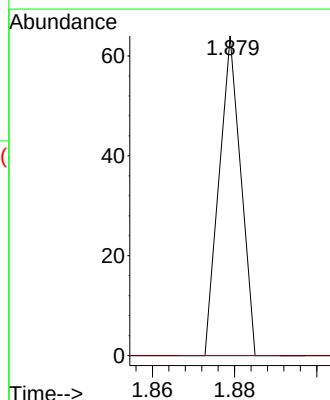
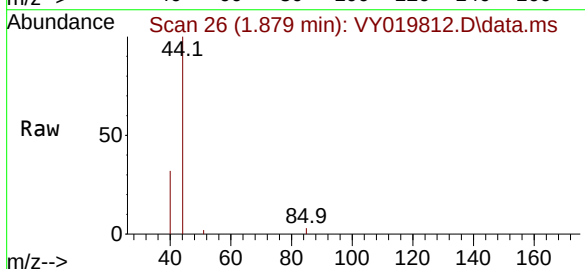
Instrument :
MSVOA_Y
ClientSampleId :

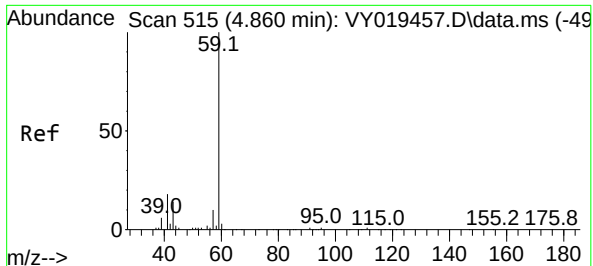
Tgt Ion:168 Resp: 228231
Ion Ratio Lower Upper
168 100
99 61.0 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.879 min Scan# 26
Delta R.T. 0.013 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Tgt Ion: 85 Resp: 23
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#





#11

Tert butyl alcohol

Concen: 8.918 ug/l

RT: 4.842 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY019812.D

Acq: 07 Oct 2024 15:39

Instrument :

MSVOA_Y

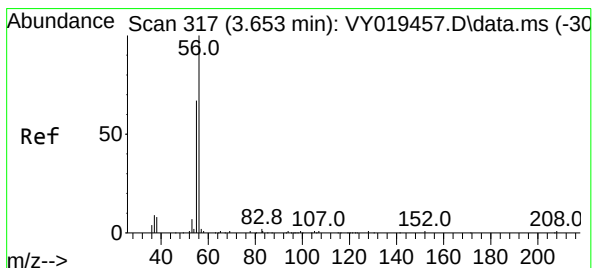
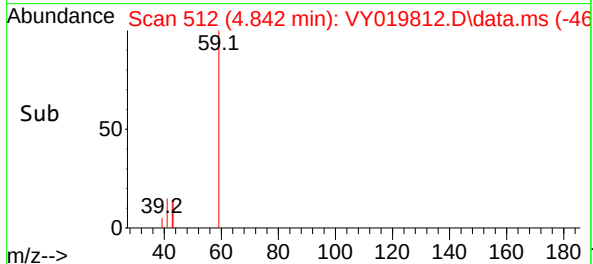
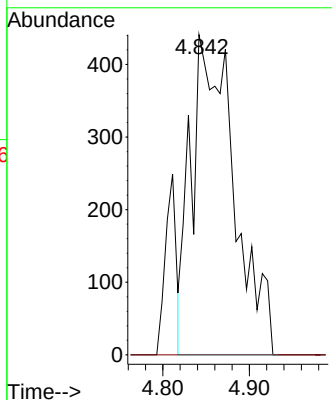
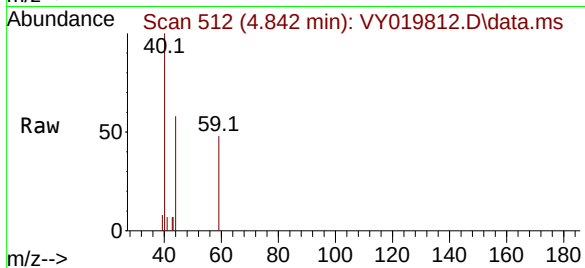
ClientSampleId :

Tgt Ion: 59 Resp: 1522

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.641 min Scan# 315

Delta R.T. -0.012 min

Lab File: VY019812.D

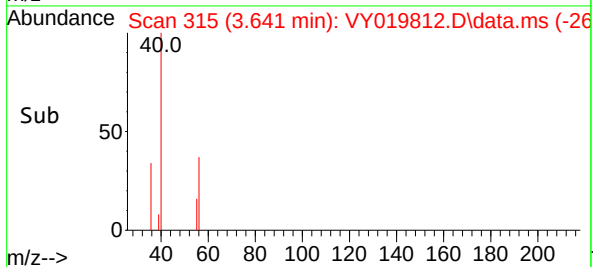
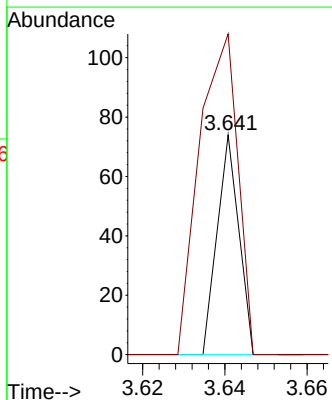
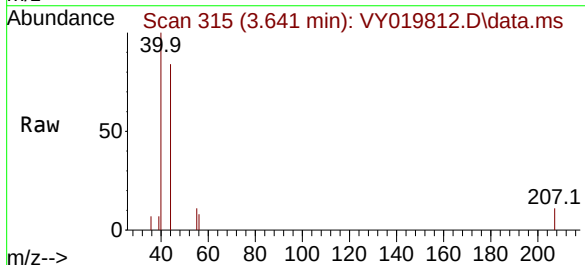
Acq: 07 Oct 2024 15:39

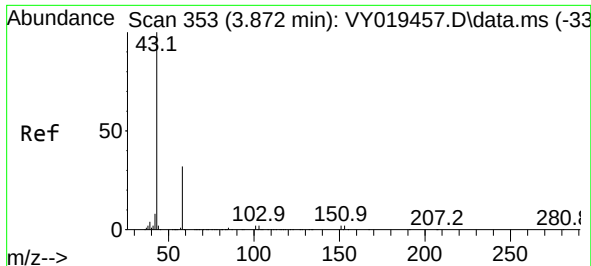
Tgt Ion: 56 Resp: 27

Ion Ratio Lower Upper

56 100

55 259.3 55.7 83.5#

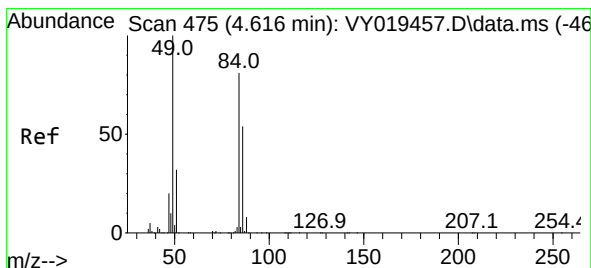
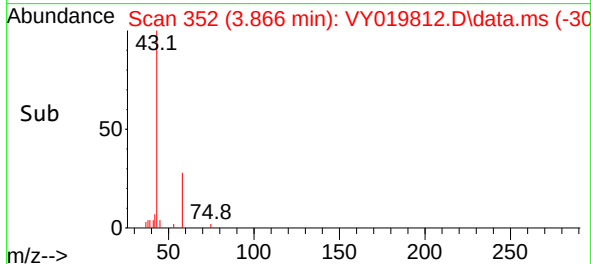
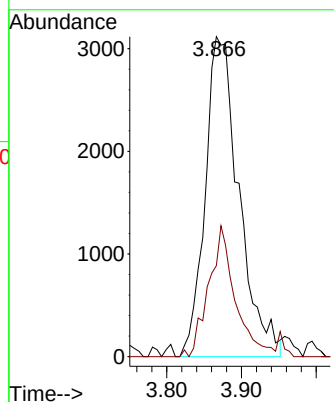
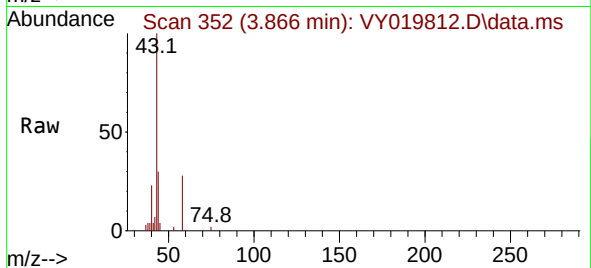




#16
Acetone
Concen: 19.433 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

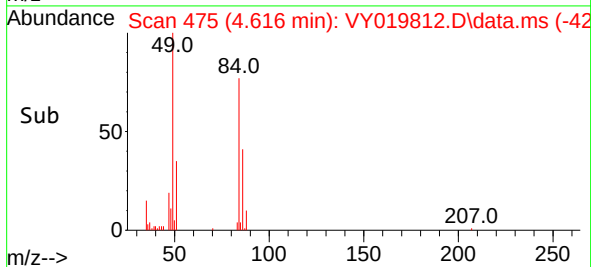
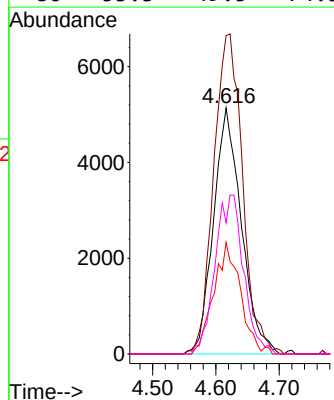
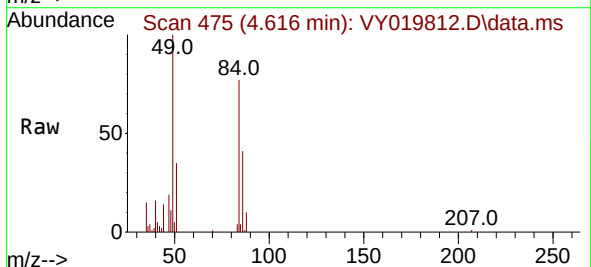
Instrument :
MSVOA_Y
ClientSampleId :

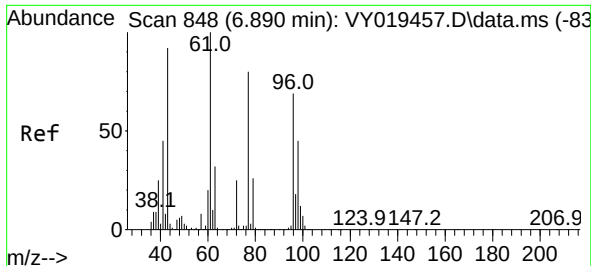
Tgt Ion: 43 Resp: 9784
Ion Ratio Lower Upper
43 100
58 28.4 31.7 47.5#



#20
Methylene Chloride
Concen: 6.840 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Tgt Ion: 84 Resp: 15705
Ion Ratio Lower Upper
84 100
49 129.5 84.4 126.6#
51 45.3 26.0 39.0#
86 53.3 49.5 74.3

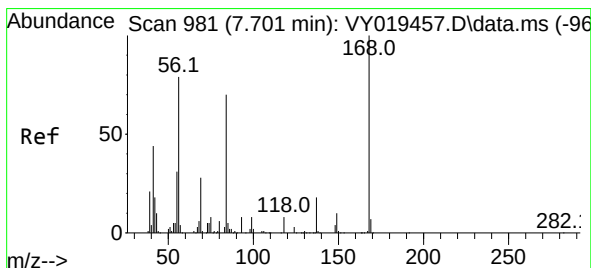
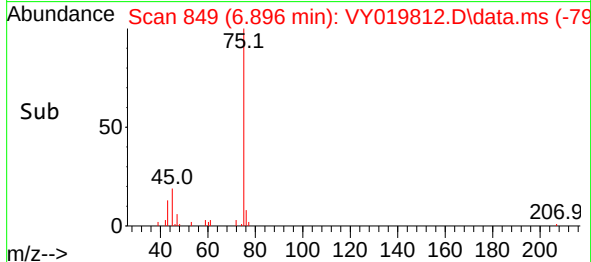
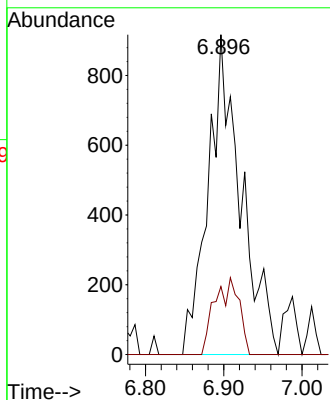
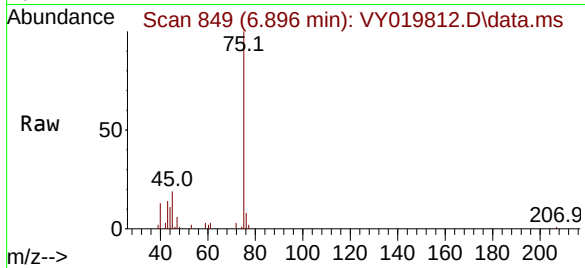




#25
2-Butanone
Concen: 3.723 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

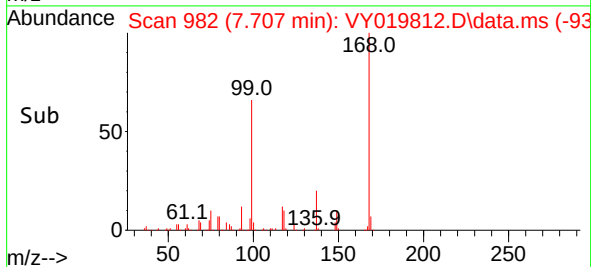
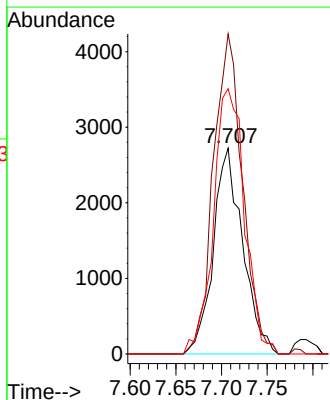
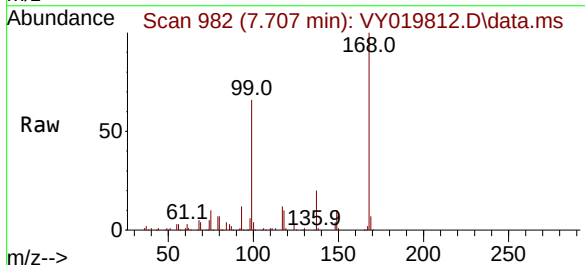
Instrument :
MSVOA_Y
ClientSampleId :

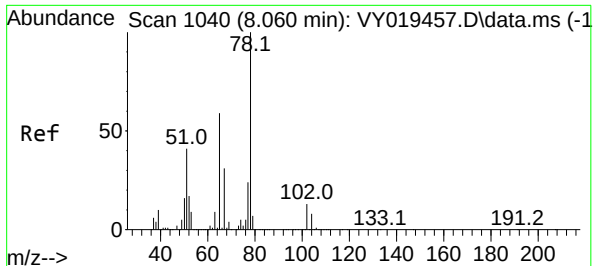
Tgt Ion: 43 Resp: 2666
Ion Ratio Lower Upper
43 100
72 21.3 27.3 40.9#



#31
Cyclohexane
Concen: 1.608 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Tgt Ion: 56 Resp: 6083
Ion Ratio Lower Upper
56 100
69 155.5 28.7 43.1#
84 128.9 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 68.578 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY019812.D

Acq: 07 Oct 2024 15:39

Instrument :

MSVOA_Y

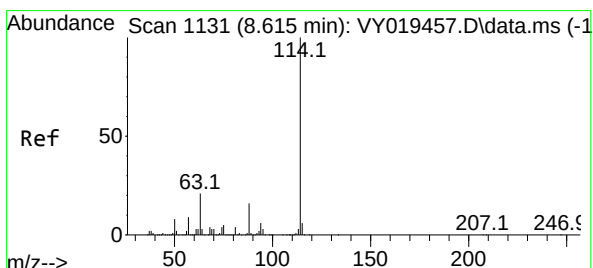
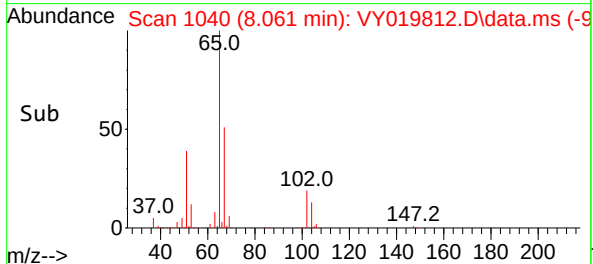
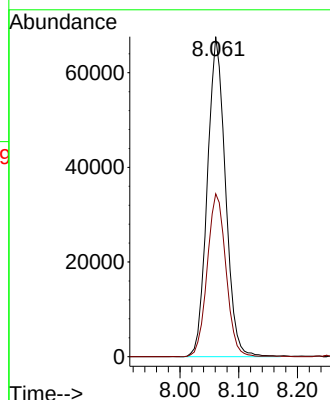
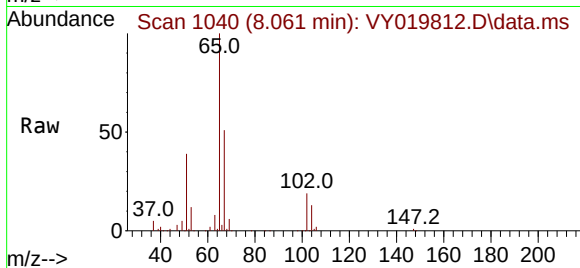
ClientSampleId :

Tgt Ion: 65 Resp: 144931

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019812.D

Acq: 07 Oct 2024 15:39

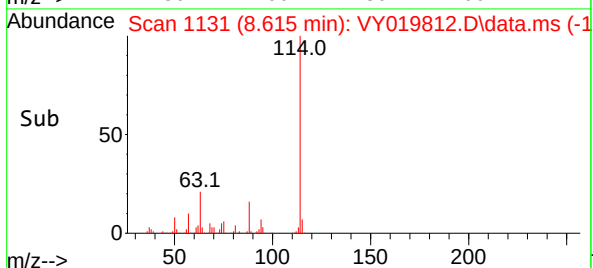
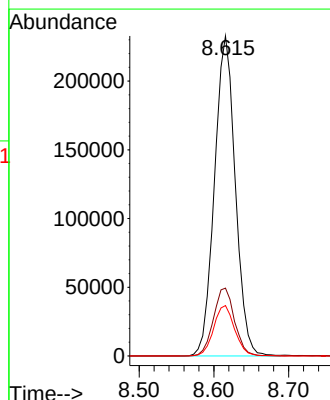
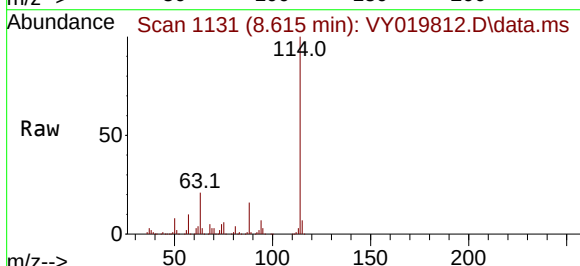
Tgt Ion: 114 Resp: 451259

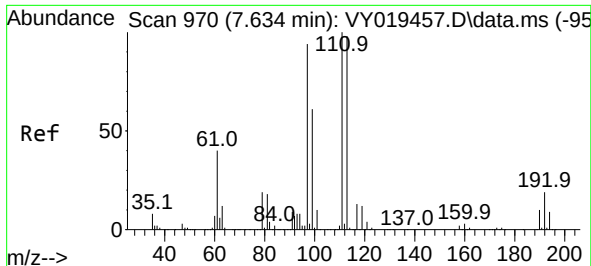
Ion Ratio Lower Upper

114 100

63 21.2 0.0 35.0

88 15.7 0.0 27.2

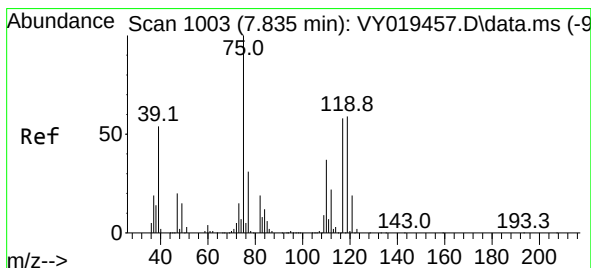
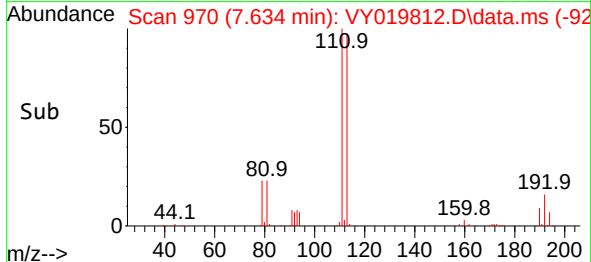
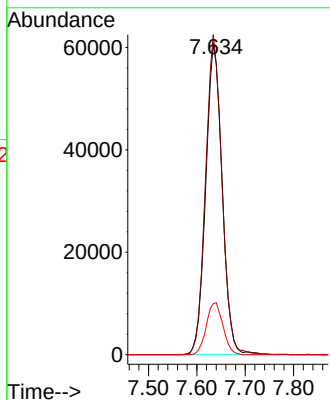
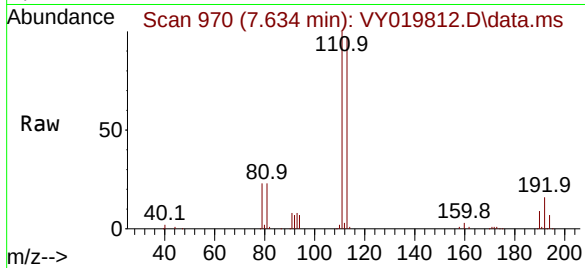




#35
Dibromofluoromethane
Concen: 56.101 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

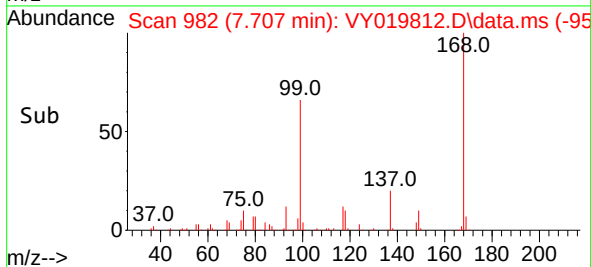
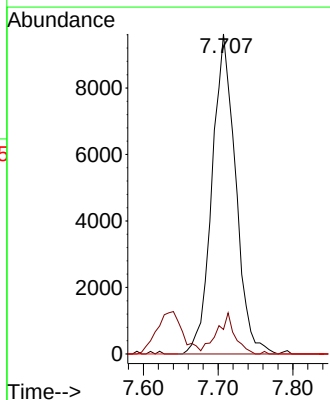
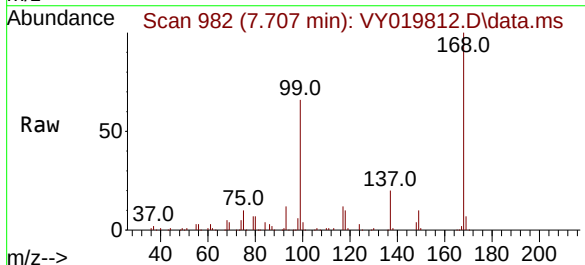
Instrument :
MSVOA_Y
ClientSampleId :

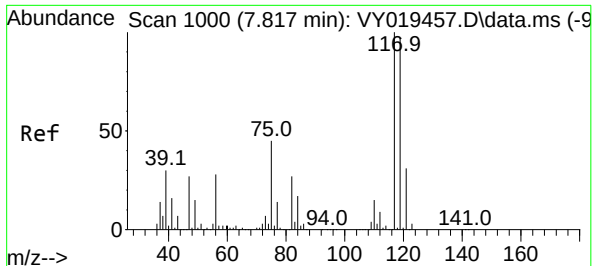
Tgt Ion:113 Resp: 143537
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 16.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 6.050 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

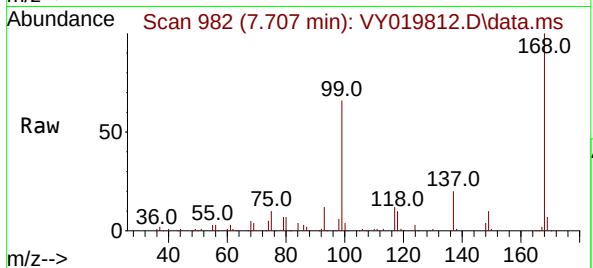
Tgt Ion: 75 Resp: 21063
Ion Ratio Lower Upper
75 100
110 9.7 19.0 57.0#
77 0.0 25.3 37.9#



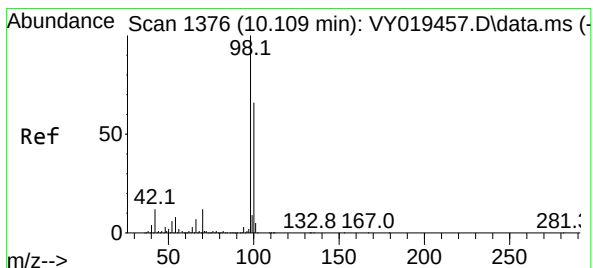
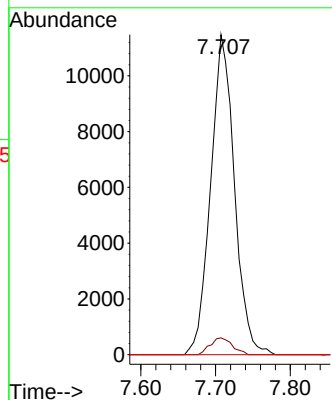
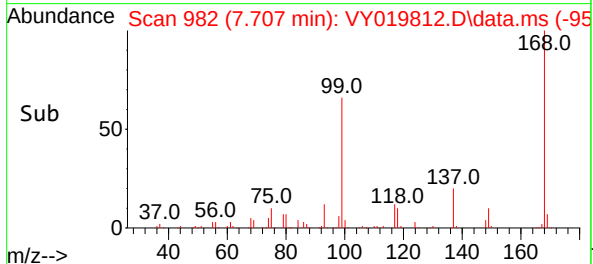


#38
Carbon Tetrachloride
Concen: 6.461 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Instrument :
MSVOA_Y
ClientSampleId :

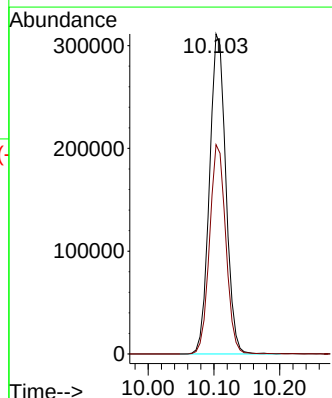
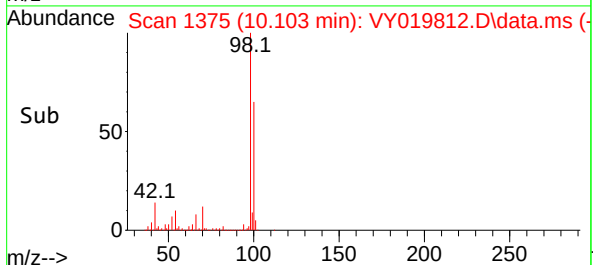
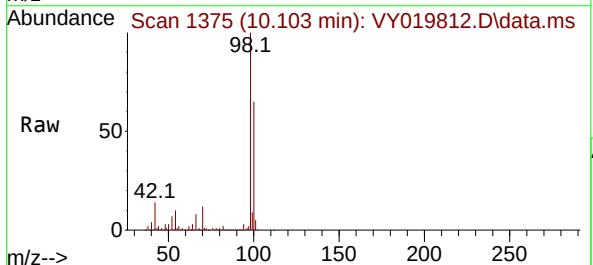


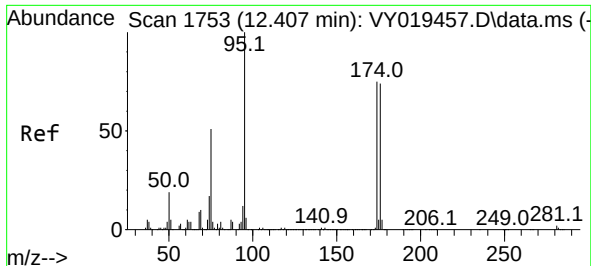
Tgt Ion:117 Resp: 25366
Ion Ratio Lower Upper
117 100
119 5.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 56.850 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Tgt Ion: 98 Resp: 538000
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

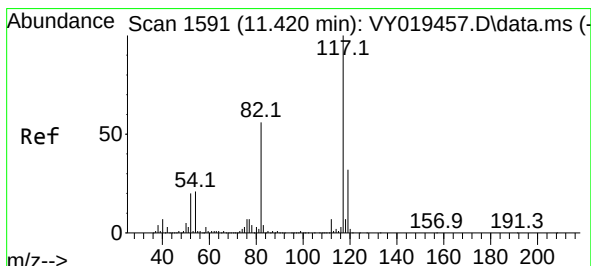
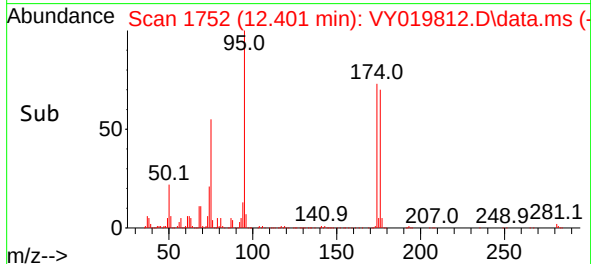
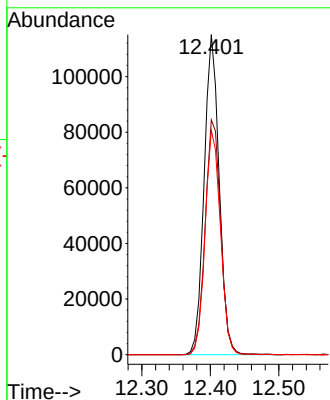
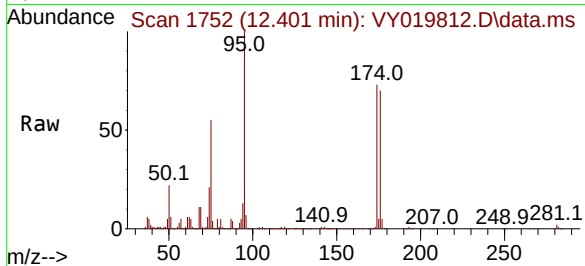




#62
4-Bromofluorobenzene
Concen: 48.375 ug/l
RT: 12.401 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

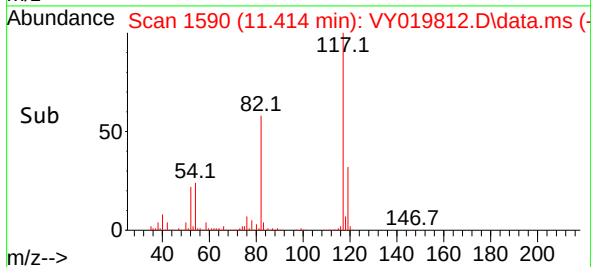
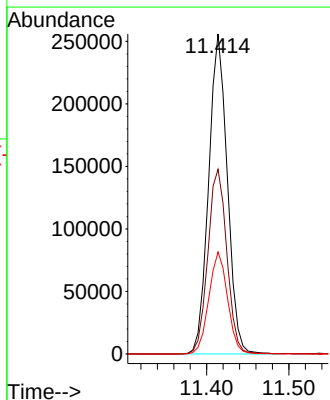
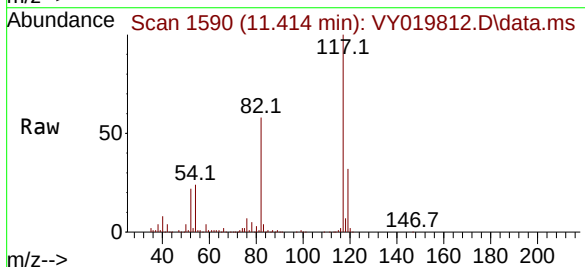
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MSVOA_Y
ClientSampleId :

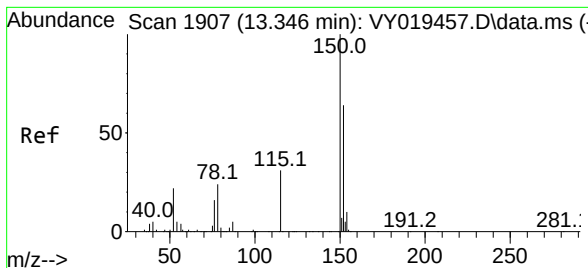
Tgt Ion: 95 Resp: 176028
Ion Ratio Lower Upper
95 100
174 76.1 0.0 175.6
176 71.6 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019812.D
Acq: 07 Oct 2024 15:39

Tgt Ion: 117 Resp: 403469
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 31.9 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: VY019812.D

Acq: 07 Oct 2024 15:39

Instrument :

MSVOA_Y

ClientSampleId :

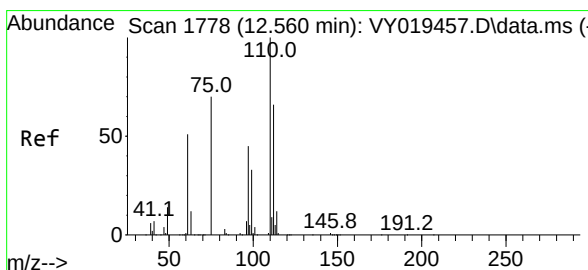
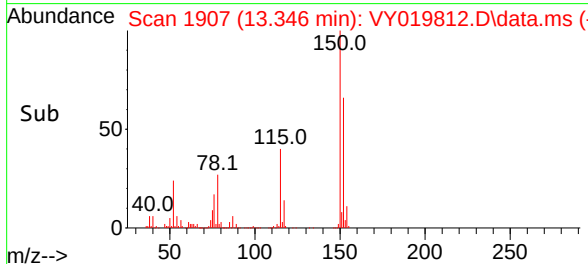
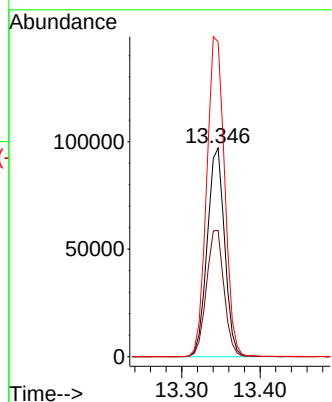
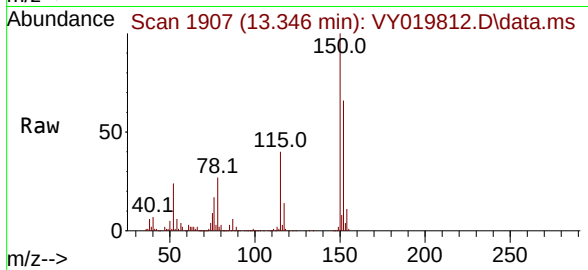
Tgt Ion:152 Resp: 149097

Ion Ratio Lower Upper

152 100

115 61.7 28.2 84.7

150 158.1 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 70.044 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019812.D

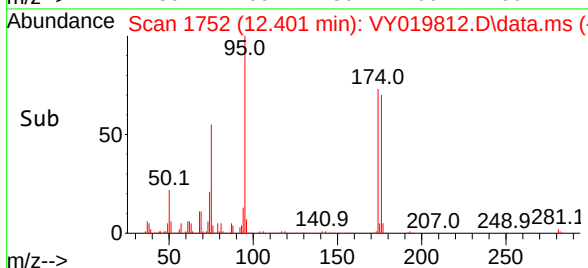
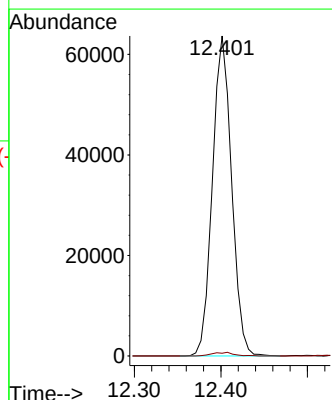
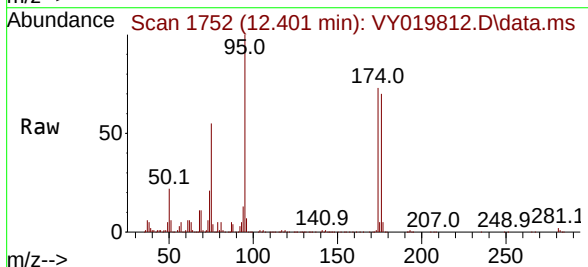
Acq: 07 Oct 2024 15:39

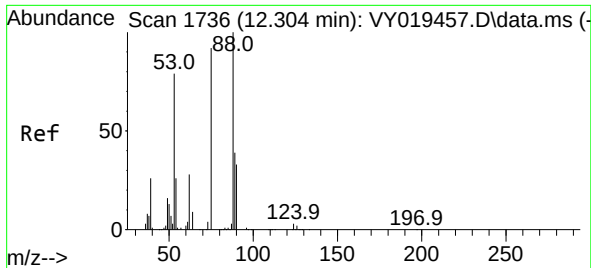
Tgt Ion: 75 Resp: 97884

Ion Ratio Lower Upper

75 100

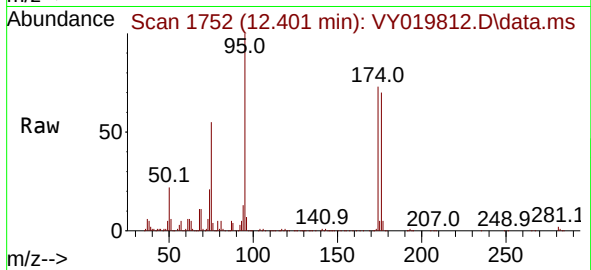
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.463 ug/l
 RT: 12.401 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019812.D
 Acq: 07 Oct 2024 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 97884
 Ion Ratio Lower Upper
 75 100
 53 0.6 66.8 100.2#
 89 0.2 35.8 53.6#

