

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100724\
 Data File : VY019807.D
 Acq On : 07 Oct 2024 13:16
 Operator : SY/MD
 Sample : VY1007SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 08 01:36:52 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)

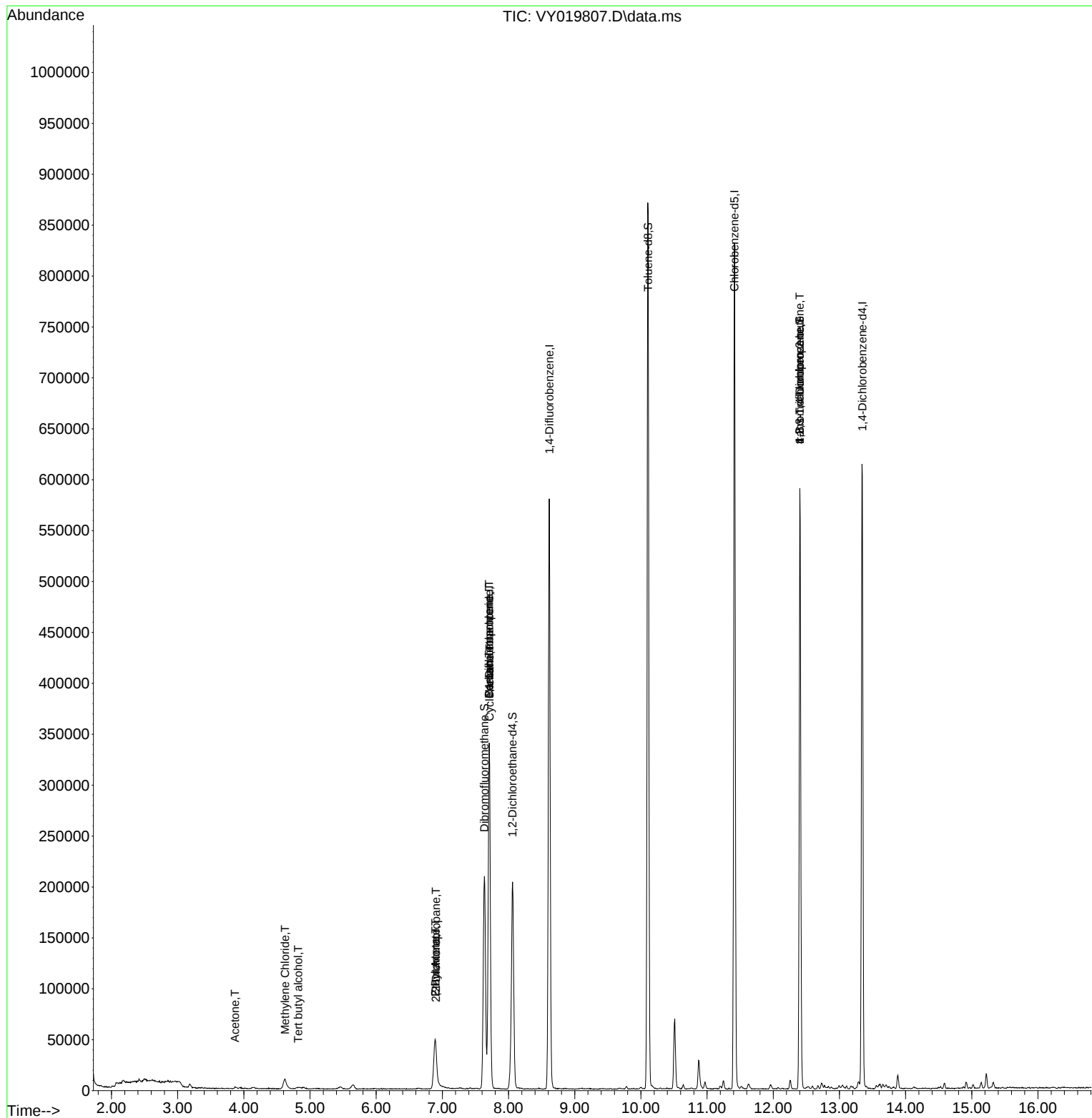
Internal Standards						
1) Pentafluorobenzene	7.707	168	241749	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	466325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	414492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	147840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148568	66.368	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 132.740%		
35) Dibromofluoromethane	7.634	113	151109	57.152	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 114.300%		
50) Toluene-d8	10.109	98	559328	57.194	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 114.380%		
62) 4-Bromofluorobenzene	12.402	95	177782	47.279	ug/l	0.00
Spiked Amount	50.000	Range 29 - 146	Recovery	= 94.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.867	85	24	Below Cal	#	43
11) Tert butyl alcohol	4.824	59	1795	9.929	ug/l #	88
13) Acrolein	3.671	56	80	Below Cal	#	15
16) Acetone	3.866	43	1983	3.718	ug/l	99
20) Methylene Chloride	4.622	84	6184	2.543	ug/l #	74
25) 2-Butanone	6.896	43	3397	4.479	ug/l #	64
26) 2,2-Dichloropropane	6.903	77	4504	1.127	ug/l #	51
31) Cyclohexane	7.713	56	6246	1.559	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	22943	6.377	ug/l #	48
37) Ethyl Acetate	6.896	43	3397	1.843	ug/l #	7
38) Carbon Tetrachloride	7.707	117	26431	6.515	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	99447	71.767	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	99447	137.772	ug/l #	16

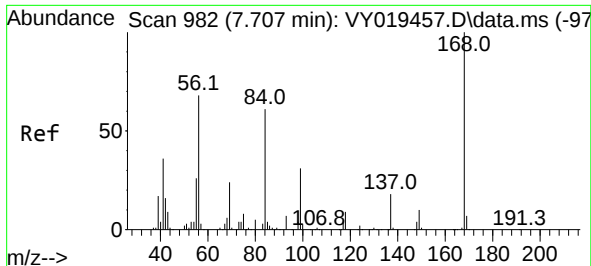
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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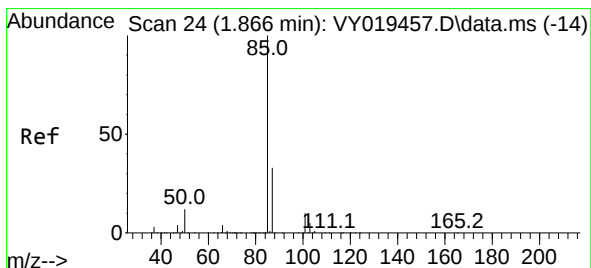
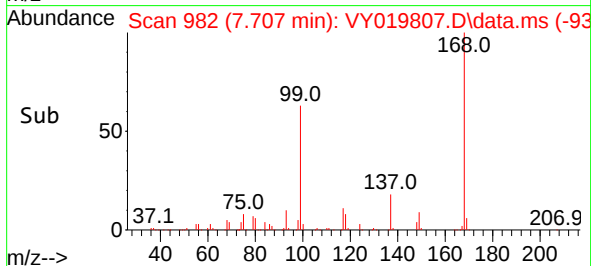
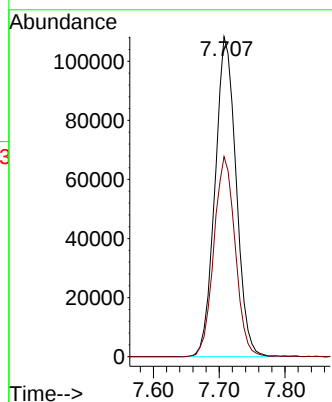
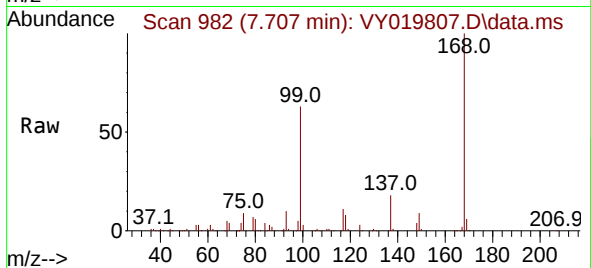




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

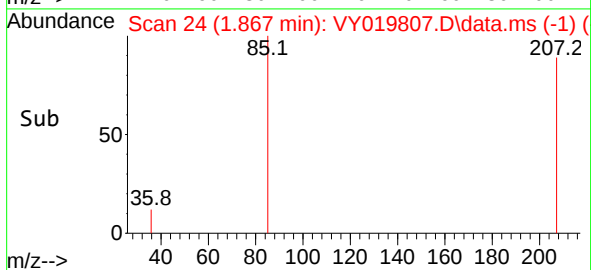
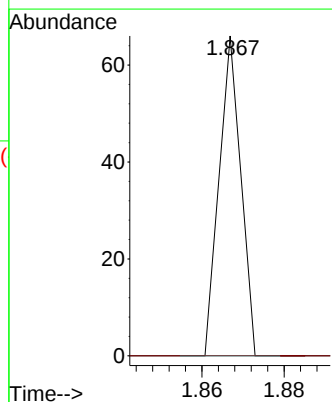
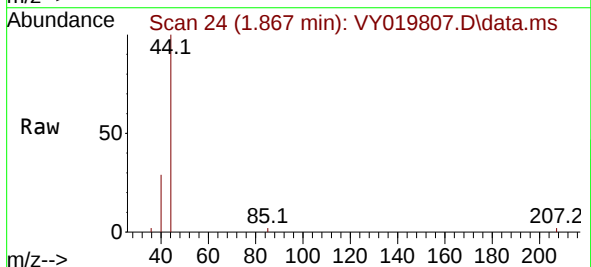
Instrument :
MSVOA_Y
ClientSampleId :

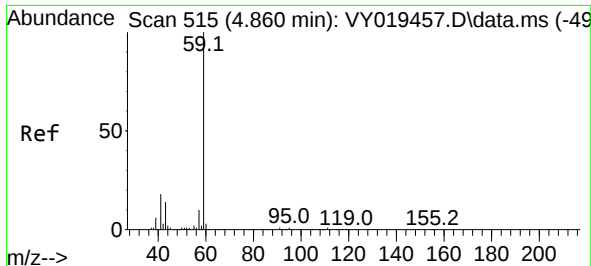
Tgt Ion:168 Resp: 241749
Ion Ratio Lower Upper
168 100
99 62.5 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.867 min Scan# 24
Delta R.T. 0.001 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

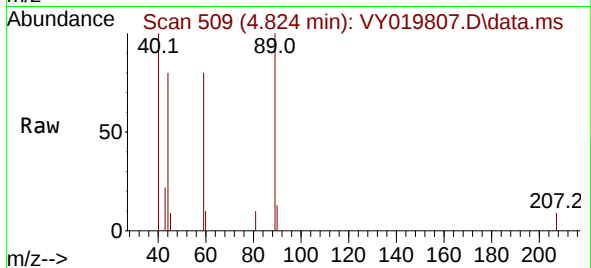
Tgt Ion: 85 Resp: 24
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#



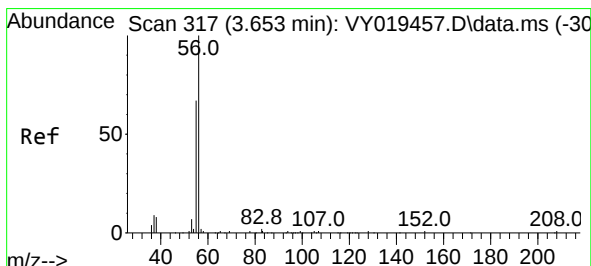
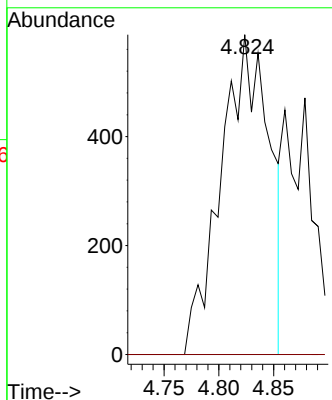
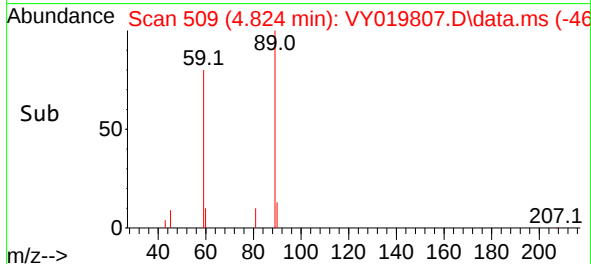


#11
Tert butyl alcohol
Concen: 9.929 ug/l
RT: 4.824 min Scan# 509
Delta R.T. -0.036 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

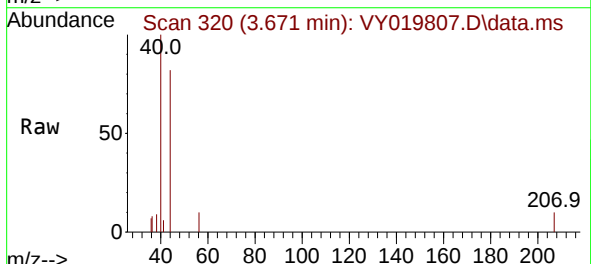
Instrument :
MSVOA_Y
ClientSampleId :



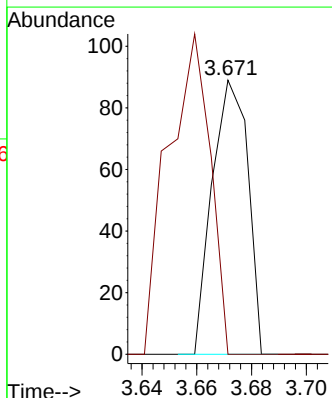
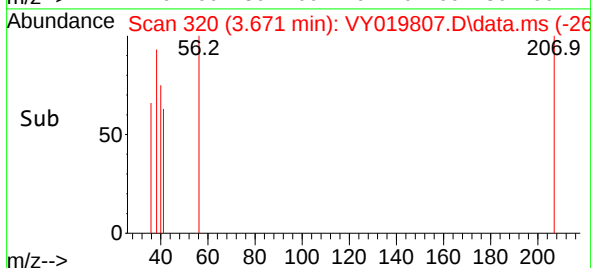
Tgt Ion: 59 Resp: 1795
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

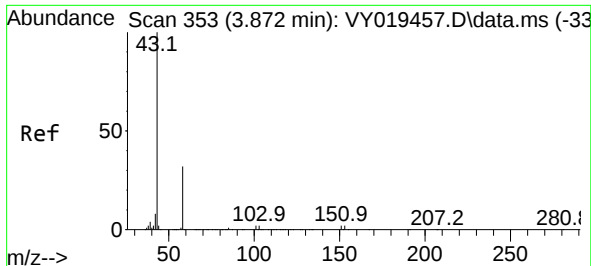


#13
Acrolein
Concen: Below Cal
RT: 3.671 min Scan# 320
Delta R.T. 0.018 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16



Tgt Ion: 56 Resp: 80
Ion Ratio Lower Upper
56 100
55 138.8 55.7 83.5#

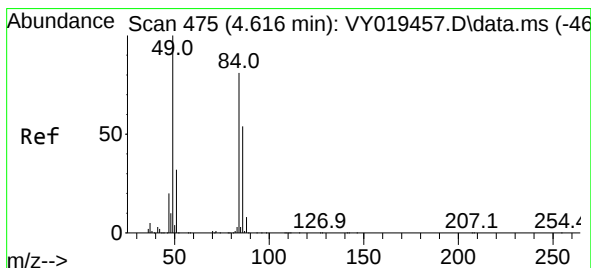
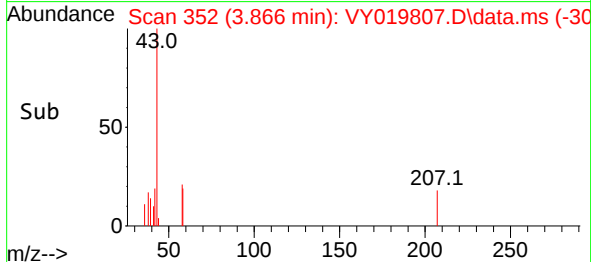
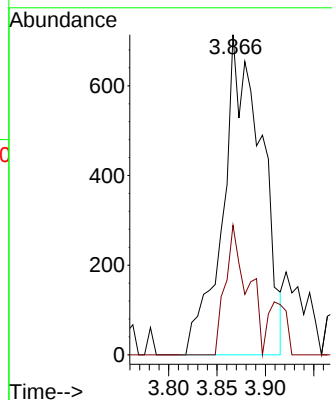
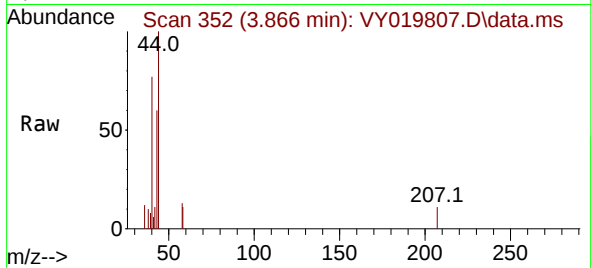




#16
Acetone
Concen: 3.718 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

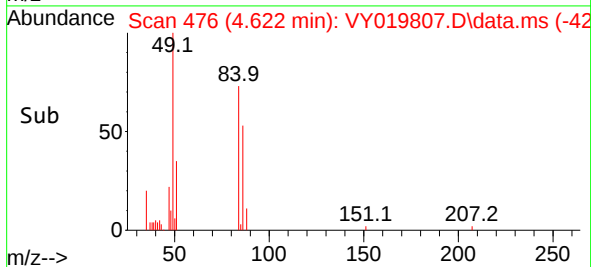
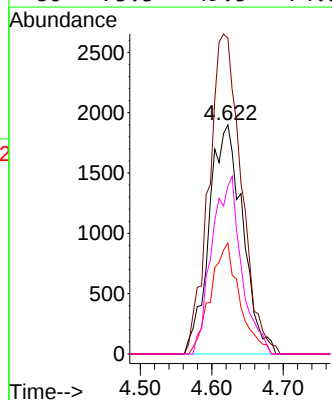
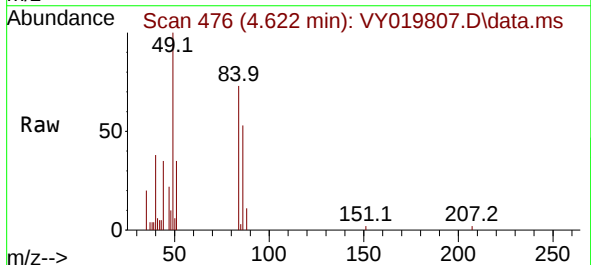
Instrument :
MSVOA_Y
ClientSampleId :

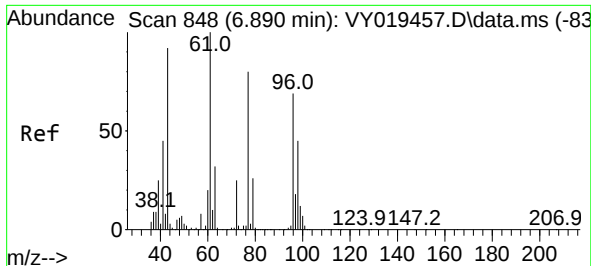
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
58 40.5 31.7 47.5



#20
Methylene Chloride
Concen: 2.543 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

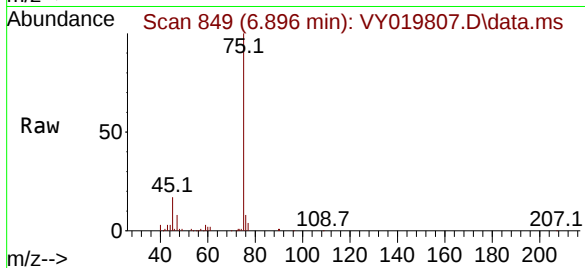
Tgt Ion: 84 Resp: 6184
Ion Ratio Lower Upper
84 100
49 137.8 84.4 126.6#
51 48.5 26.0 39.0#
86 73.3 49.5 74.3



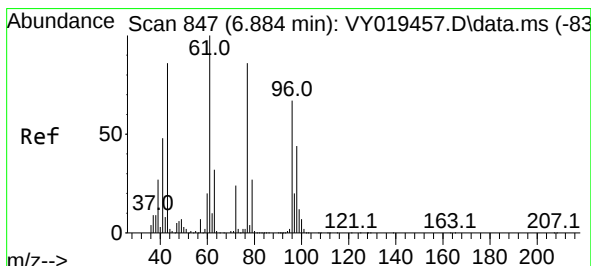
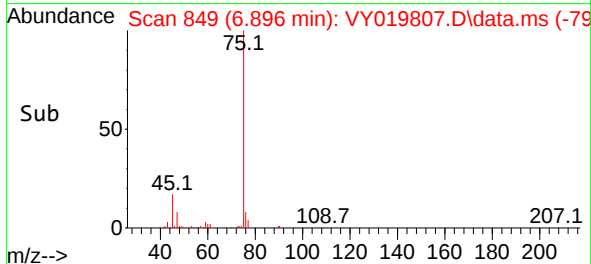
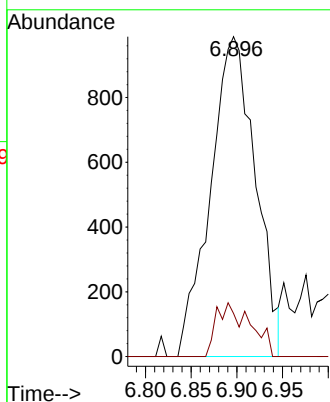


#25
2-Butanone
Concen: 4.479 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :

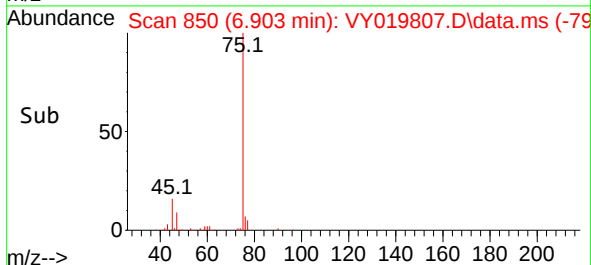
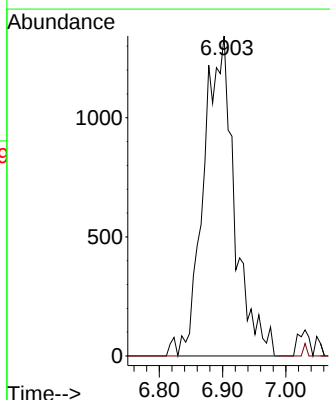
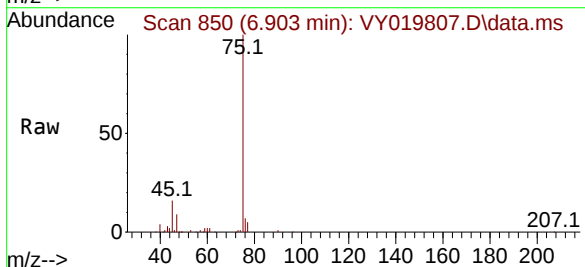


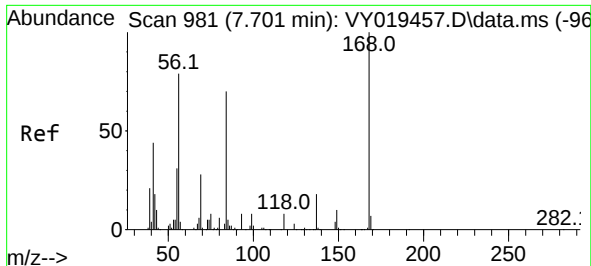
Tgt Ion: 43 Resp: 3397
Ion Ratio Lower Upper
43 100
72 13.5 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.127 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.019 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

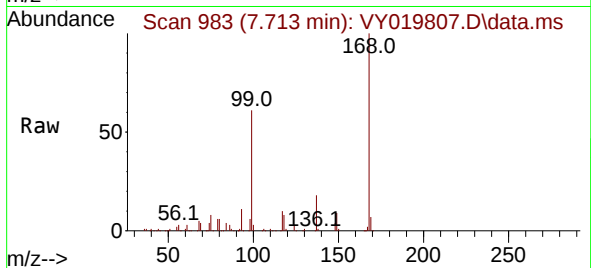
Tgt Ion: 77 Resp: 4504
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



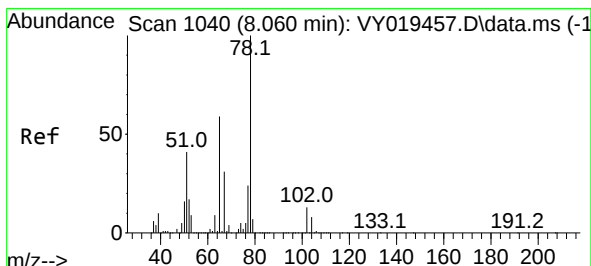
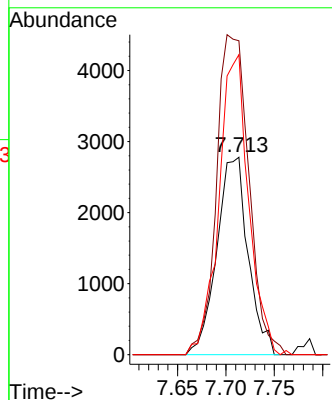
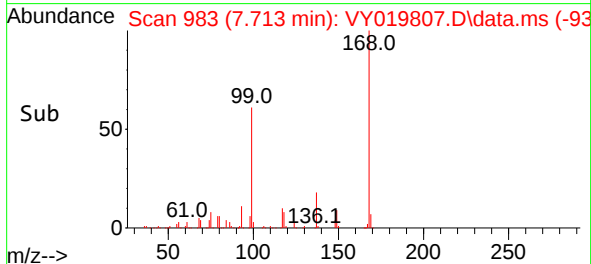


#31
Cyclohexane
Concen: 1.559 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.013 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :

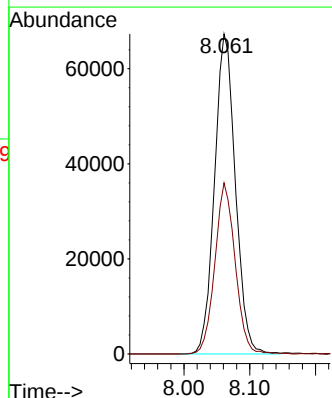
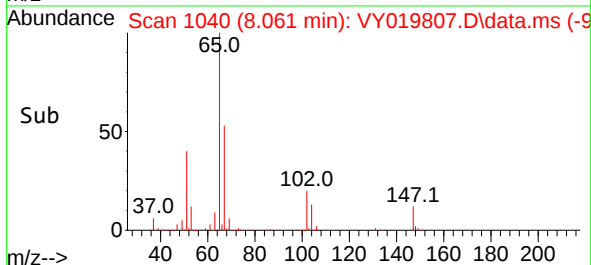
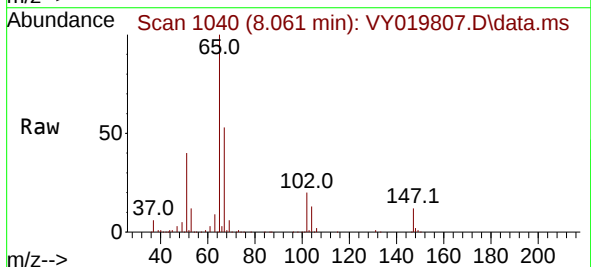


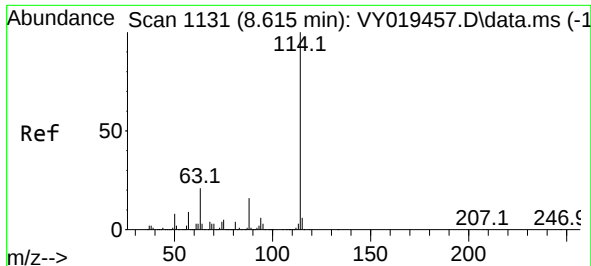
Tgt Ion: 56 Resp: 6246
Ion Ratio Lower Upper
56 100
69 159.0 28.7 43.1#
84 151.9 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 66.368 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

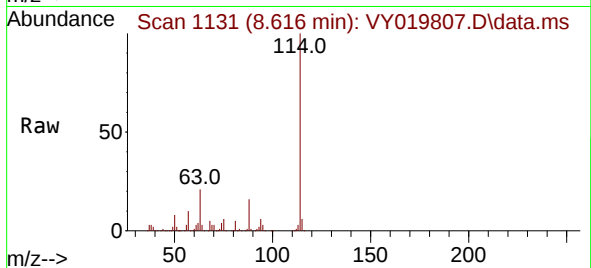
Tgt Ion: 65 Resp: 148568
Ion Ratio Lower Upper
65 100
67 52.0 0.0 109.6



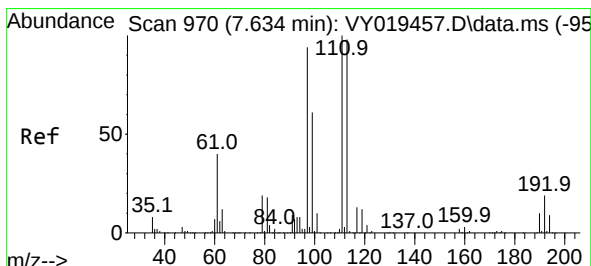
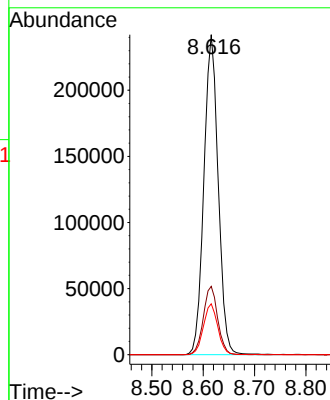
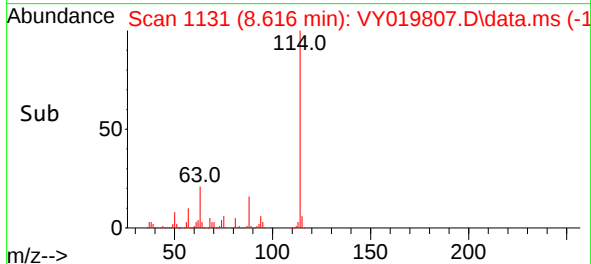


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :

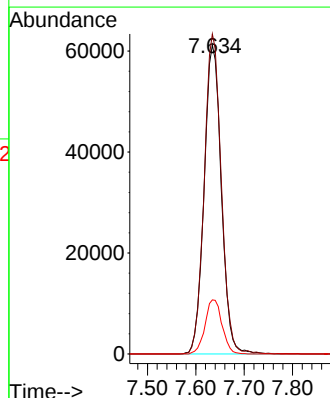
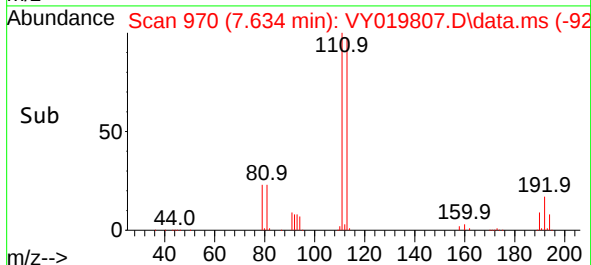
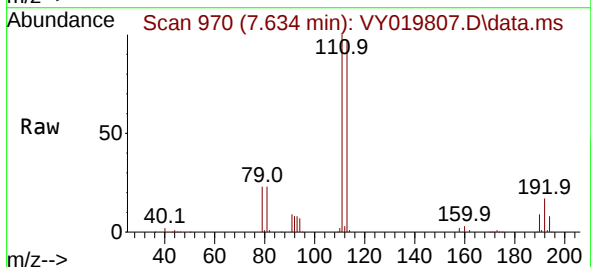


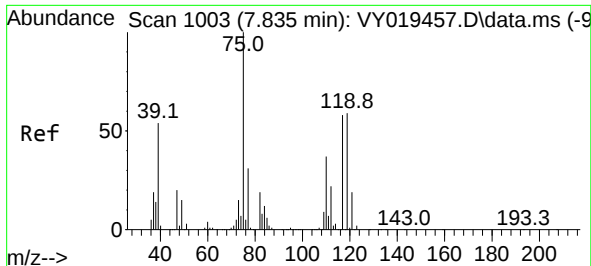
Tgt Ion:114 Resp: 466325
Ion Ratio Lower Upper
114 100
63 21.4 0.0 35.0
88 15.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 57.152 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Tgt Ion:113 Resp: 151109
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.3 15.9 23.9

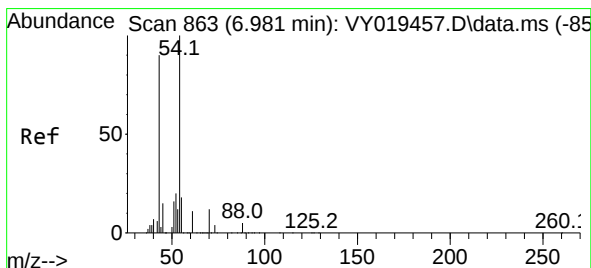
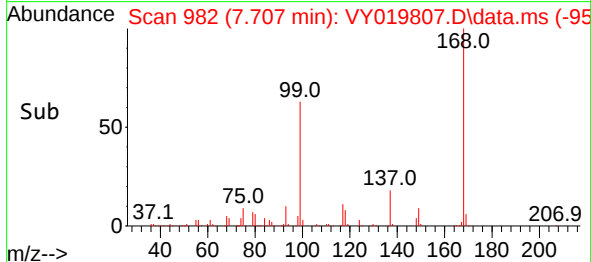
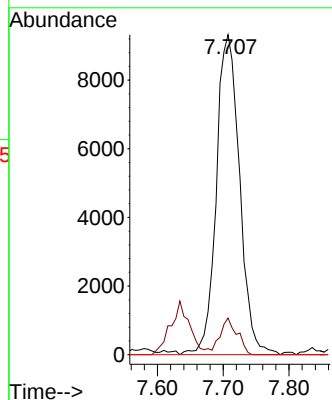
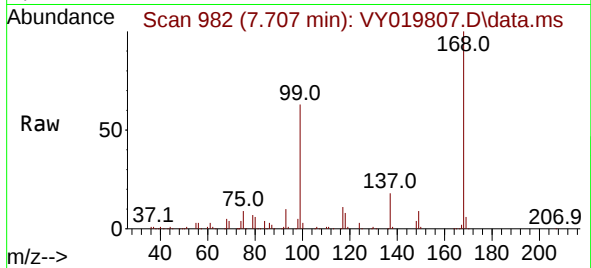




#36
 1,1-Dichloropropene
 Concen: 6.377 ug/l
 RT: 7.707 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY019807.D
 Acq: 07 Oct 2024 13:16

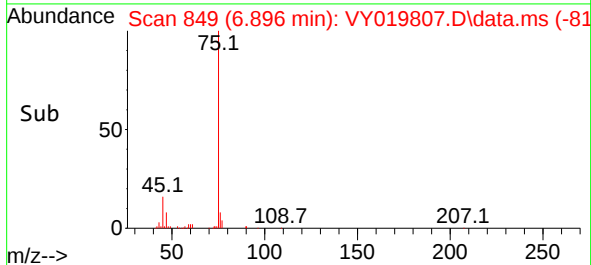
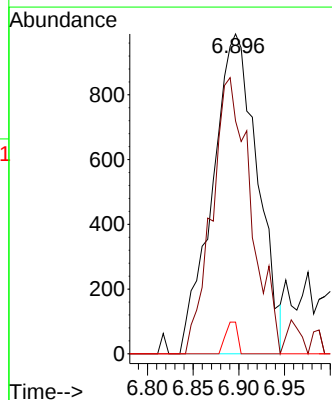
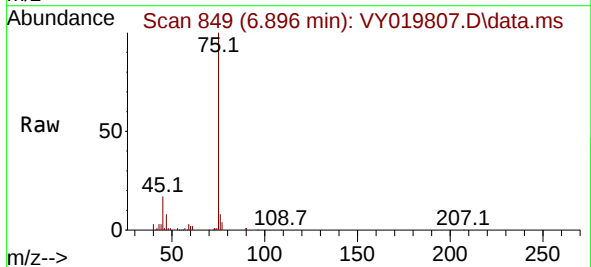
Instrument :
 MSVOA_Y
 ClientSampleId :

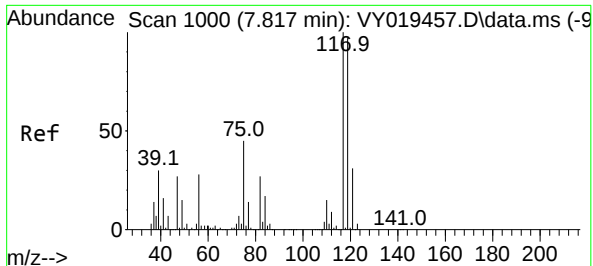
Tgt Ion: 75 Resp: 22943
 Ion Ratio Lower Upper
 75 100
 110 8.8 19.0 57.0#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 1.843 ug/l
 RT: 6.896 min Scan# 849
 Delta R.T. -0.085 min
 Lab File: VY019807.D
 Acq: 07 Oct 2024 13:16

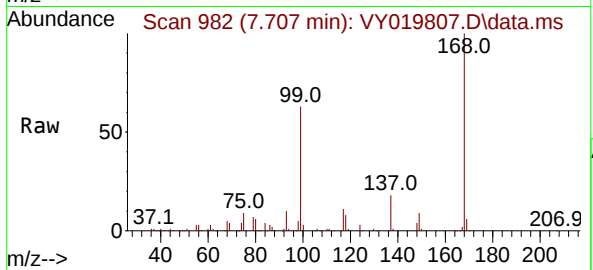
Tgt Ion: 43 Resp: 3397
 Ion Ratio Lower Upper
 43 100
 61 74.2 12.6 19.0#
 70 2.6 7.8 11.8#



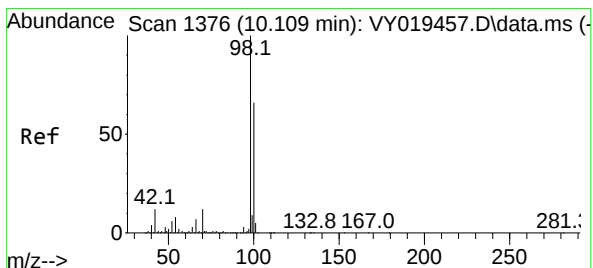
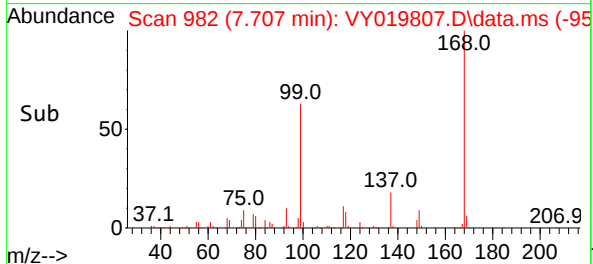
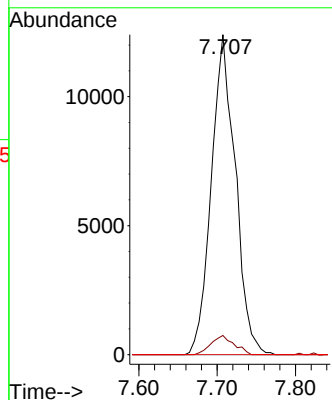


#38
Carbon Tetrachloride
Concen: 6.515 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Instrument :
MSVOA_Y
ClientSampleId :

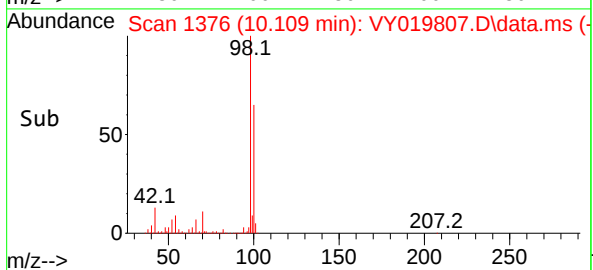
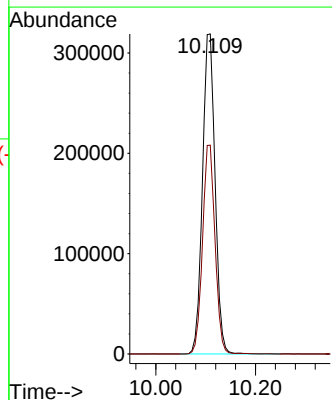
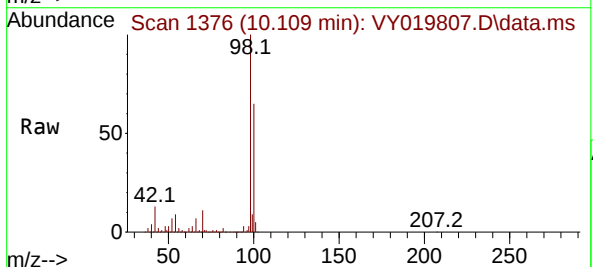


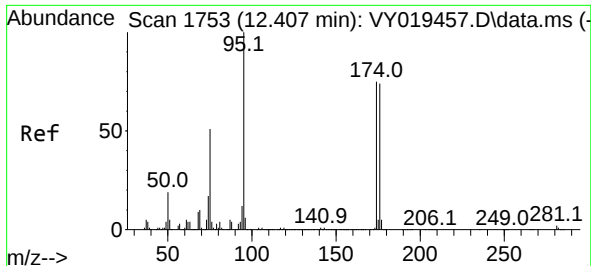
Tgt Ion:117 Resp: 26431
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 57.194 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Tgt Ion: 98 Resp: 559328
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0

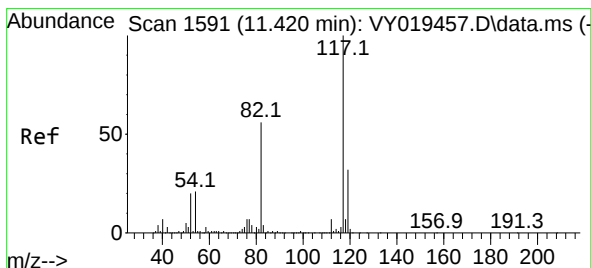
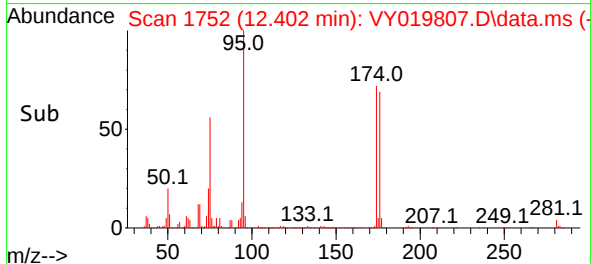
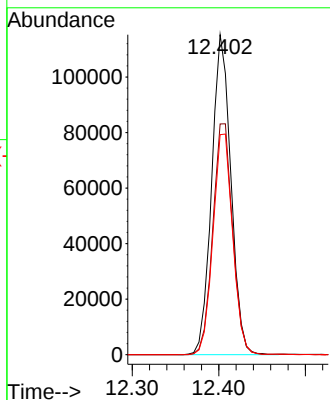
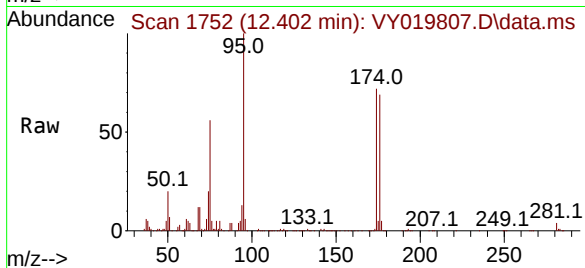




#62
4-Bromofluorobenzene
Concen: 47.279 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

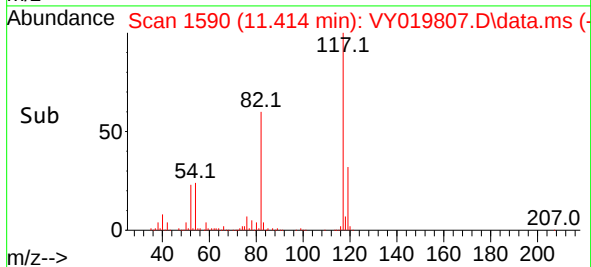
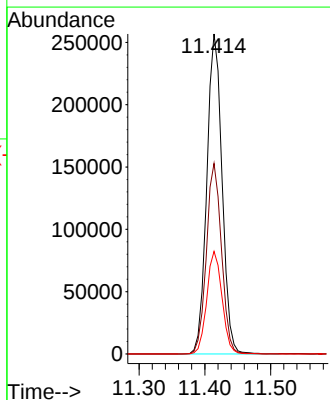
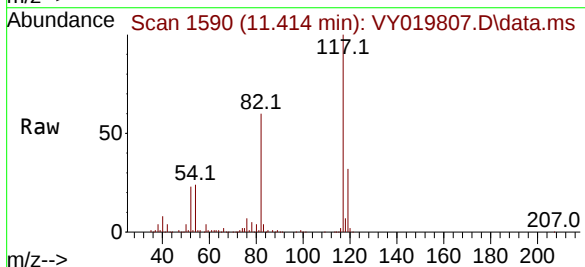
Instrument :
MSVOA_Y
ClientSampleId :

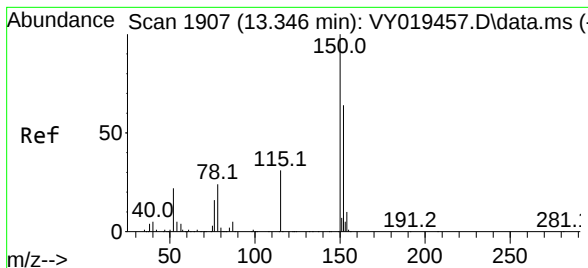
Tgt Ion: 95 Resp: 177782
Ion Ratio Lower Upper
95 100
174 74.5 0.0 175.6
176 70.9 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019807.D
Acq: 07 Oct 2024 13:16

Tgt Ion: 117 Resp: 414492
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.1 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: VY019807.D

Acq: 07 Oct 2024 13:16

Instrument :

MSVOA_Y

ClientSampleId :

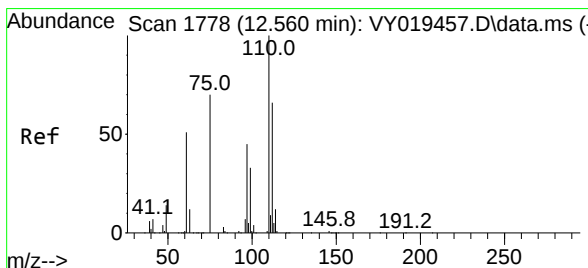
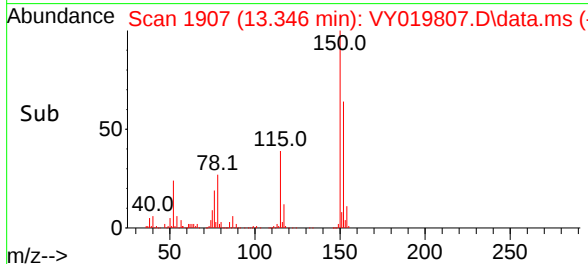
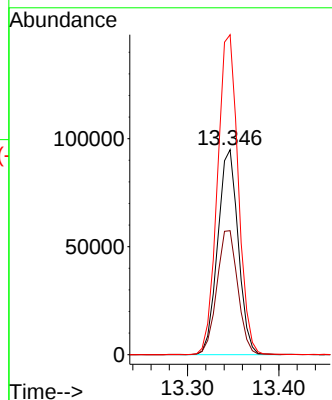
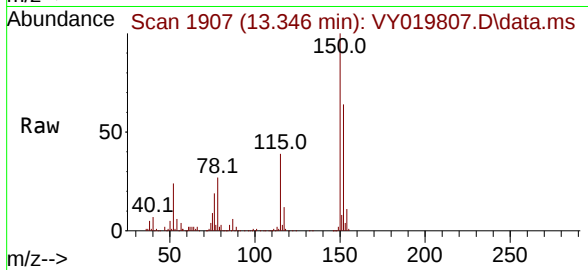
Tgt Ion:152 Resp: 147840

Ion Ratio Lower Upper

152 100

115 62.0 28.2 84.7

150 158.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 71.767 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.158 min

Lab File: VY019807.D

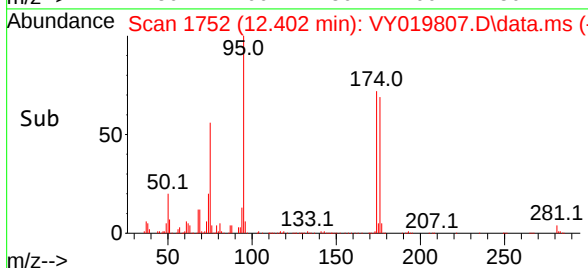
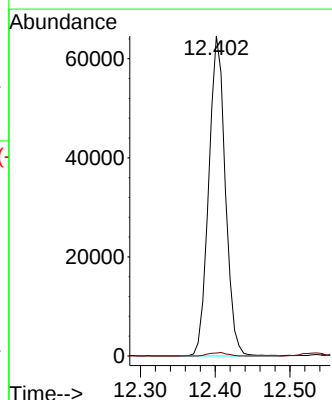
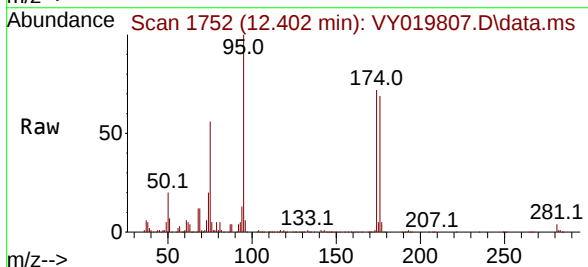
Acq: 07 Oct 2024 13:16

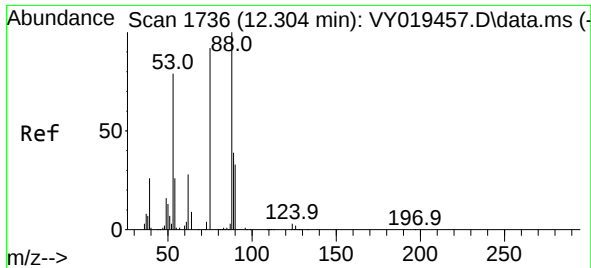
Tgt Ion: 75 Resp: 99447

Ion Ratio Lower Upper

75 100

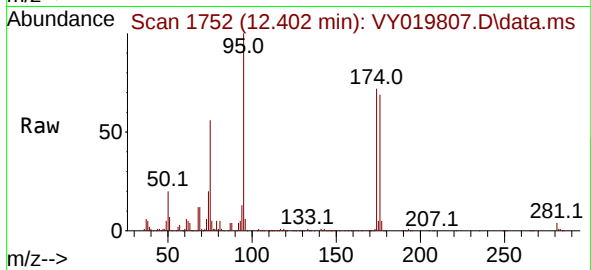
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.772 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019807.D
 Acq: 07 Oct 2024 13:16

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 99447
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#

