

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022825\
 Data File : VY021393.D
 Acq On : 28 Feb 2025 20:12
 Operator : SY/MD
 Sample : Q1463-05
 Misc : 7.58g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 T5

Quant Time: Feb 28 22:25:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

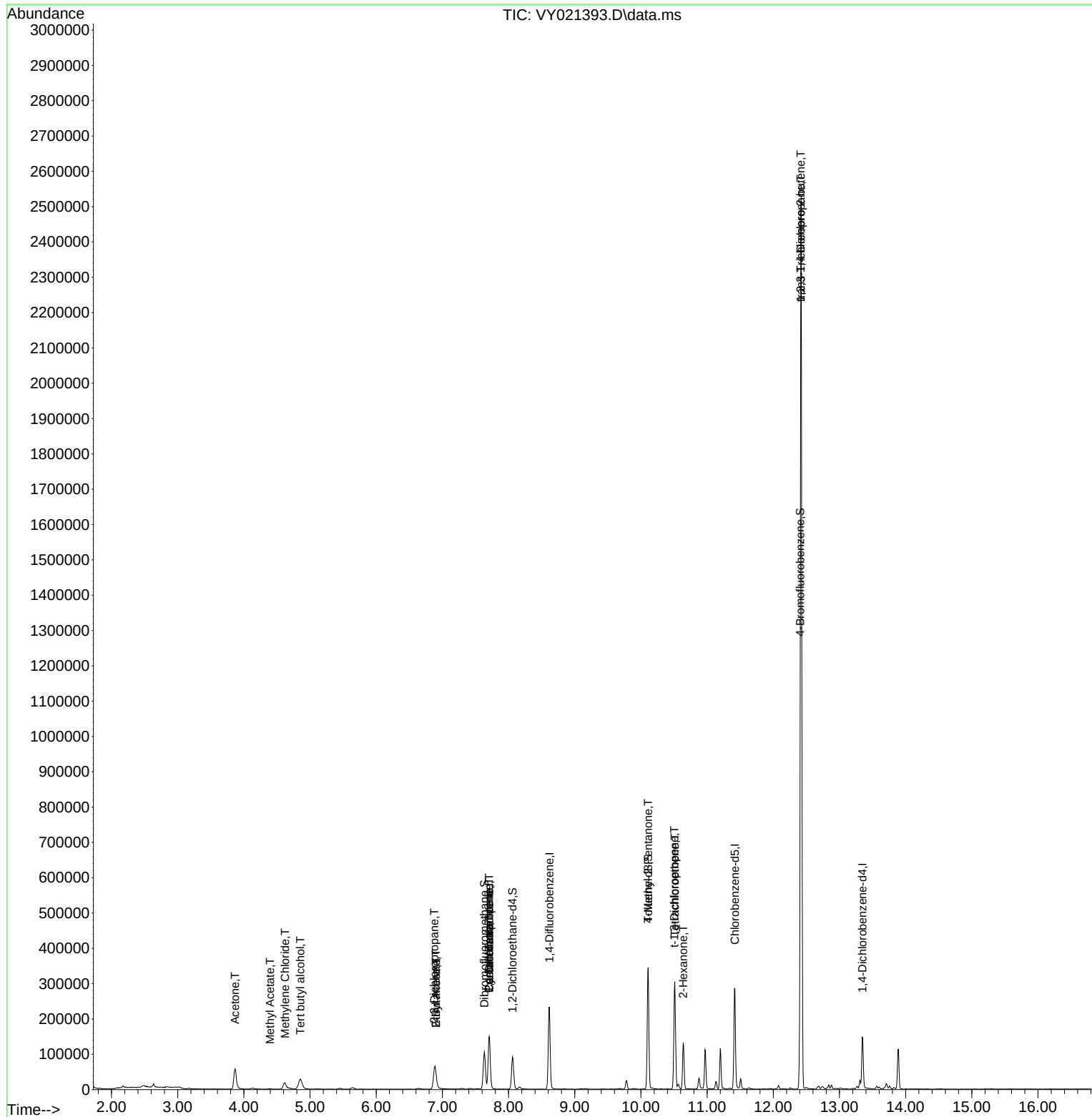
Internal Standards						
1) Pentafluorobenzene	7.707	168	110582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	190855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	149747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	36347	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	73152	58.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.620%	
35) Dibromofluoromethane	7.634	113	72847	58.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.440%	
50) Toluene-d8	10.109	98	217960	45.072	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.140%	
62) 4-Bromofluorobenzene	12.407	95	54576	33.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.060%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	50450	522.849	ug/l	98
16) Acetone	3.866	43	103218	428.942	ug/l	97
18) Methyl Acetate	4.397	43	2773	4.715	ug/l	95
20) Methylene Chloride	4.622	84	12459	9.575	ug/l	94
25) 2-Butanone	6.902	43	5506	15.161	ug/l #	81
26) 2,2-Dichloropropane	6.878	77	4855	2.325	ug/l #	55
31) Cyclohexane	7.707	56	3114	1.408	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	10435	5.552	ug/l #	50
37) Ethyl Acetate	6.902	43	5506	5.889	ug/l #	17
38) Carbon Tetrachloride	7.707	117	11337	5.365	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	1283	1.385	ug/l #	1
53) t-1,3-Dichloropropene	10.505	75	4157	2.328	ug/l #	58
59) 2-Hexanone	10.639	43	48730	80.099	ug/l #	29
64) Tetrachloroethene	10.511	164	1349	1.192	ug/l #	28
76) 1,2,3-Trichloropropane	12.413	75	49951	137.298	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	49951	305.165	ug/l #	17

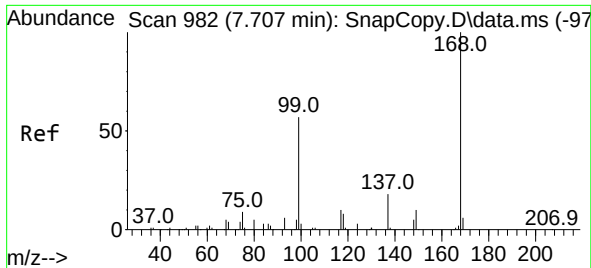
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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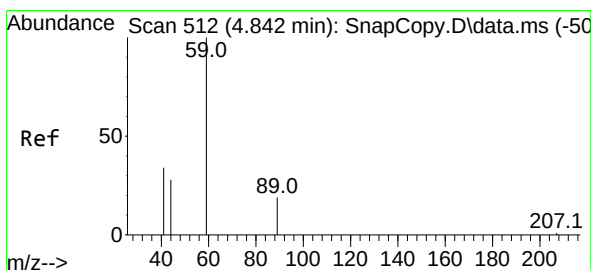
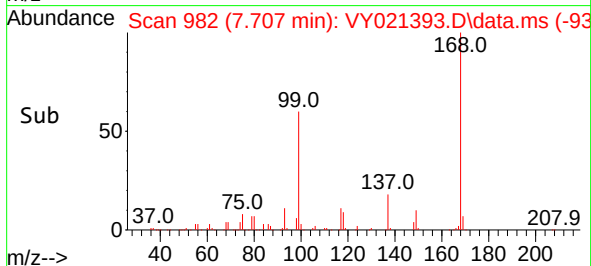
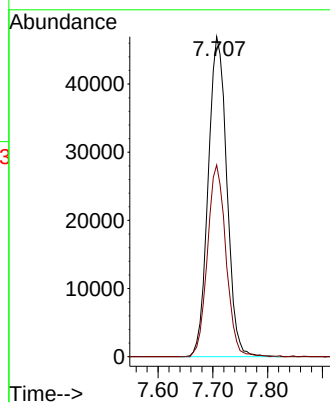
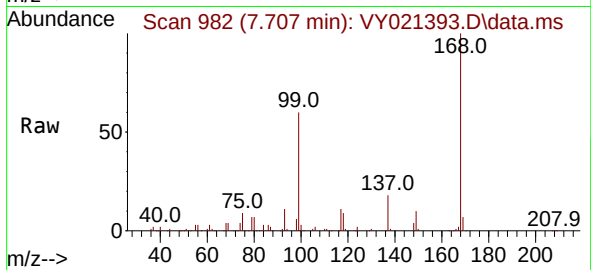




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

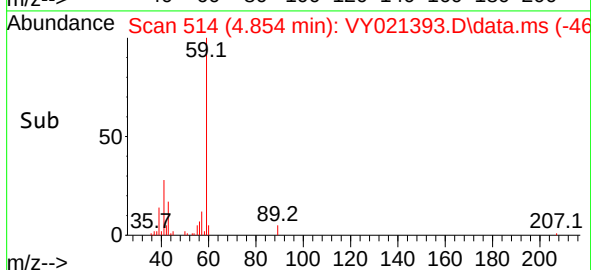
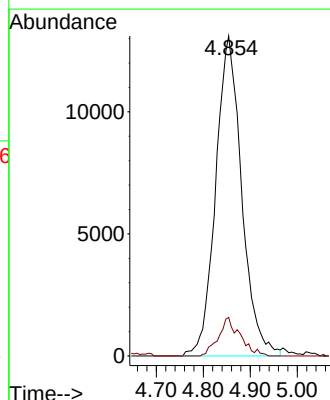
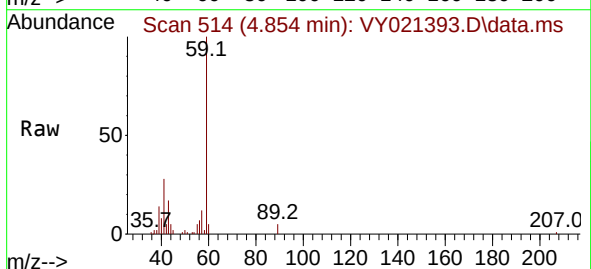
Instrument :
MSVOA_Y
ClientSampleId :
T5

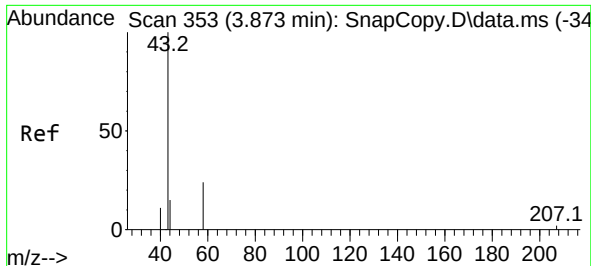
Tgt Ion:168 Resp: 110582
Ion Ratio Lower Upper
168 100
99 59.9 47.1 70.7



#11
Tert butyl alcohol
Concen: 522.849 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.000 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion: 59 Resp: 50450
Ion Ratio Lower Upper
59 100
57 9.6 8.3 12.5

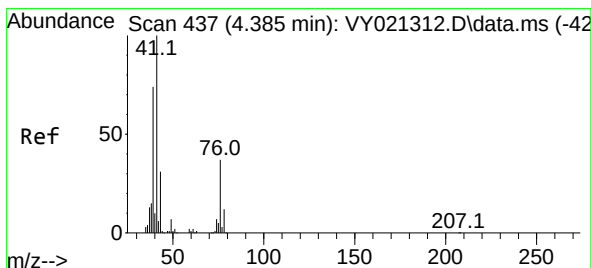
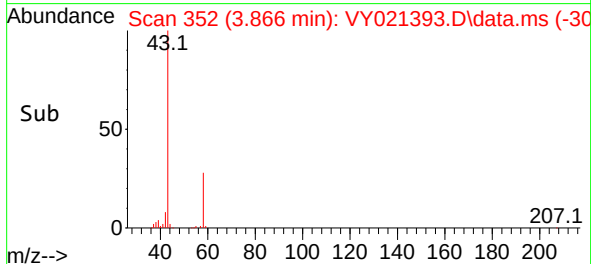
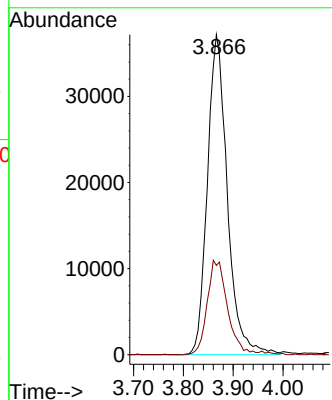
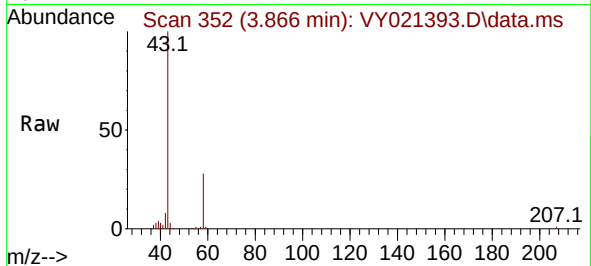




#16
Acetone
Concen: 428.942 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

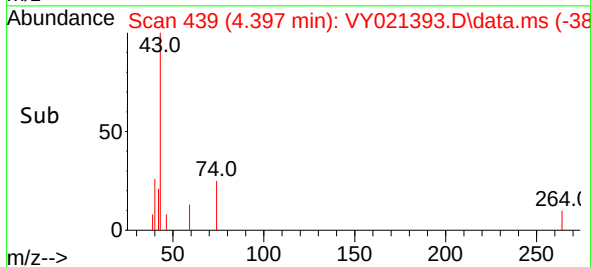
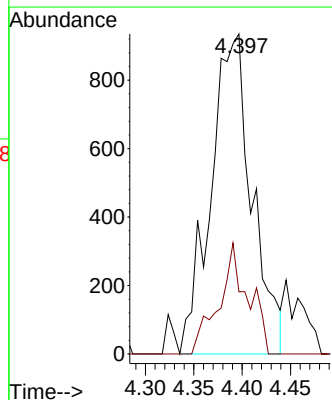
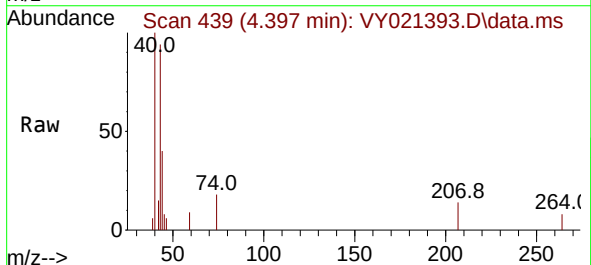
Instrument :
MSVOA_Y
ClientSampleId :
T5

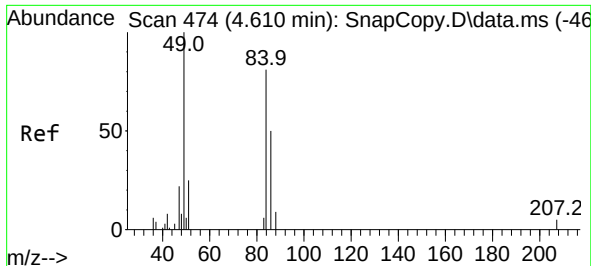
Tgt Ion: 43 Resp: 103218
Ion Ratio Lower Upper
43 100
58 27.9 23.5 35.3



#18
Methyl Acetate
Concen: 4.715 ug/l
RT: 4.397 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion: 43 Resp: 2773
Ion Ratio Lower Upper
43 100
74 24.6 17.7 26.5

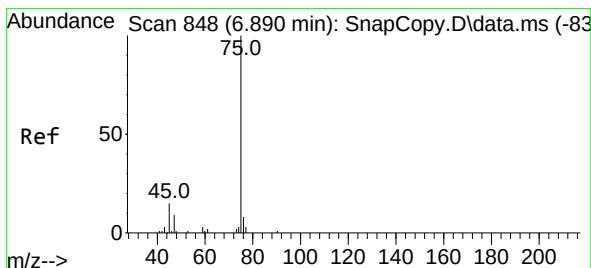
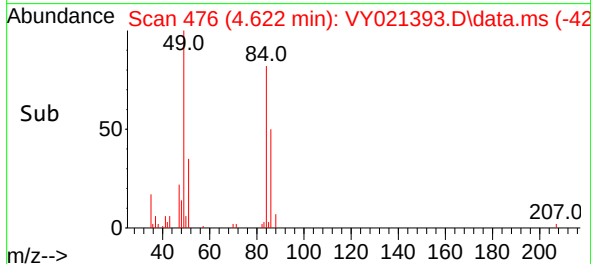
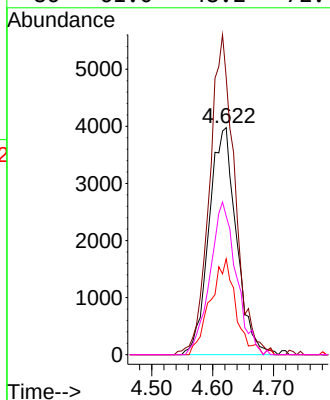
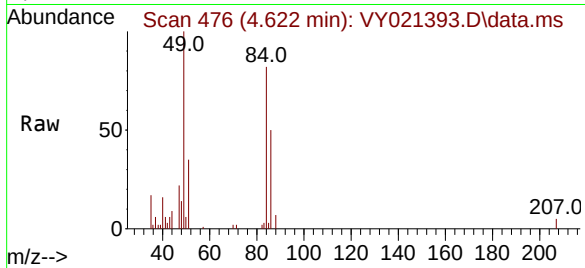




#20
Methylene Chloride
Concen: 9.575 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

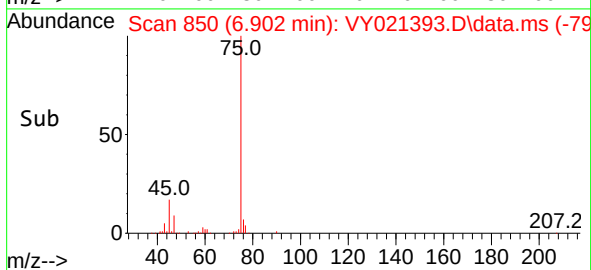
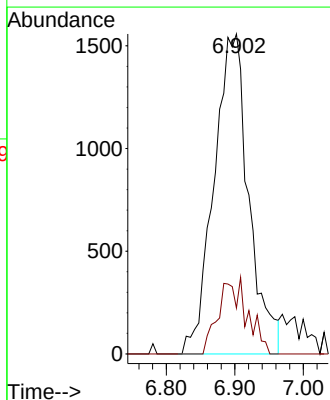
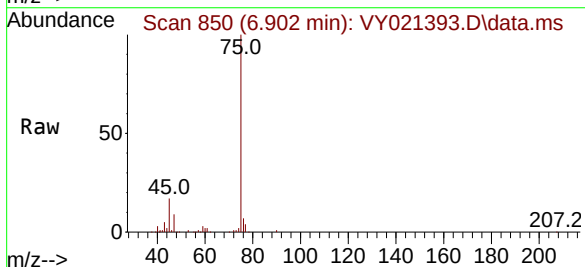
Instrument :
MSVOA_Y
ClientSampleId :
T5

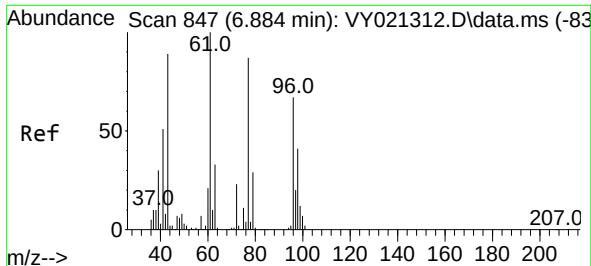
Tgt Ion:	84	Resp:	12459
Ion	Ratio	Lower	Upper
84	100		
49	122.1	105.1	157.7
51	42.2	31.0	46.4
86	61.0	48.2	72.4



#25
2-Butanone
Concen: 15.161 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion:	43	Resp:	5506
Ion	Ratio	Lower	Upper
43	100		
72	14.3	19.0	28.6





#26

2,2-Dichloropropane

Concen: 2.325 ug/l

RT: 6.878 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Instrument :

MSVOA_Y

ClientSampleId :

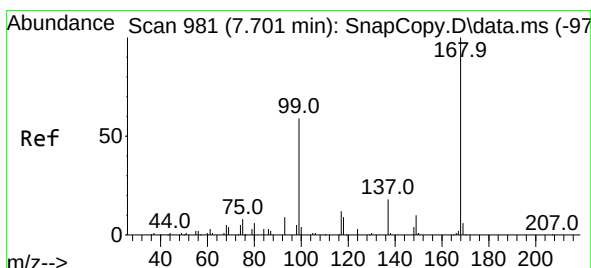
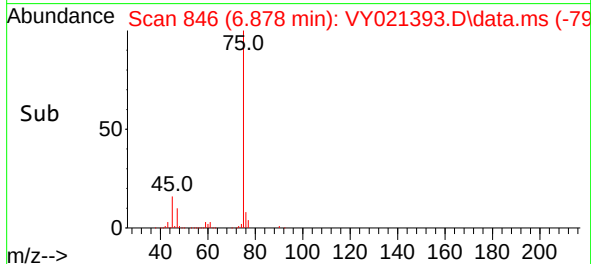
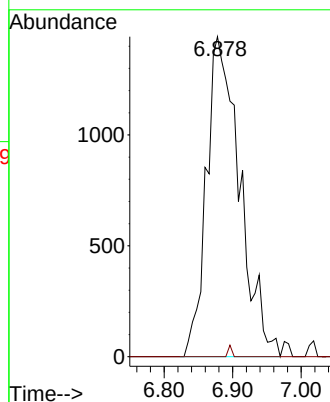
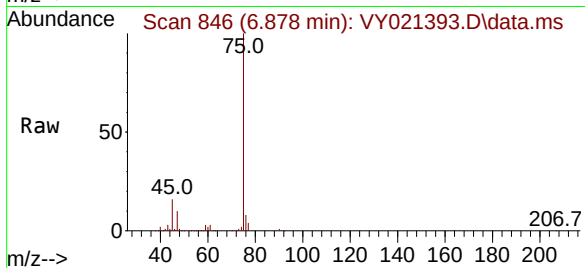
T5

Tgt Ion: 77 Resp: 4855

Ion Ratio Lower Upper

77 100

97 0.4 10.9 32.7#



#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

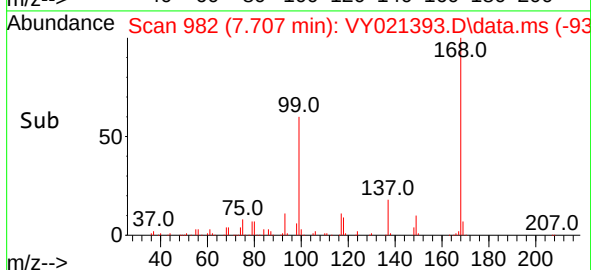
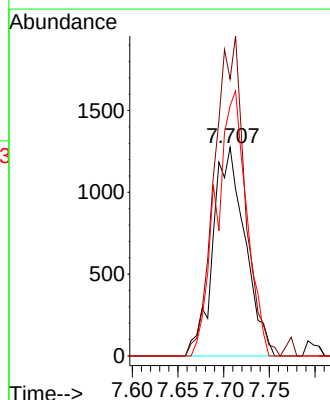
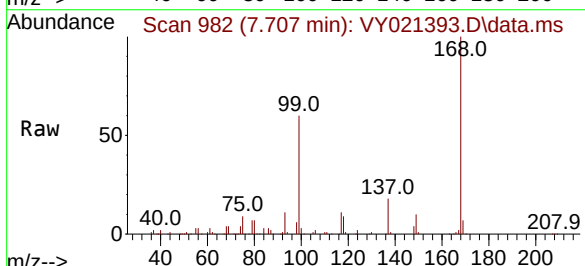
Tgt Ion: 56 Resp: 3114

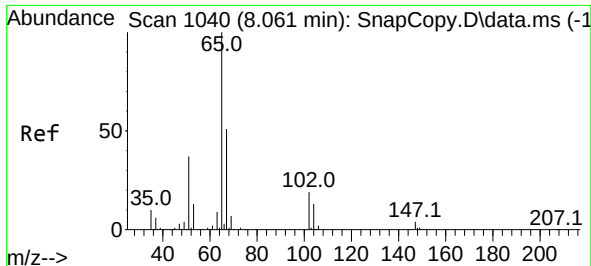
Ion Ratio Lower Upper

56 100

69 132.7 26.2 39.4#

84 119.9 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 58.314 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Instrument :

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ClientSampleId :

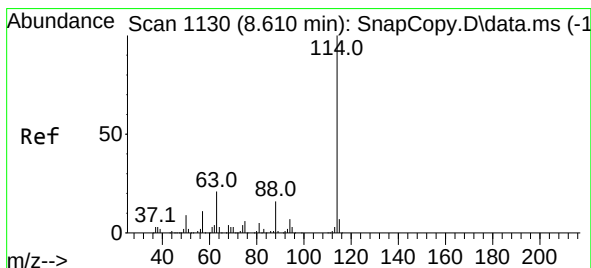
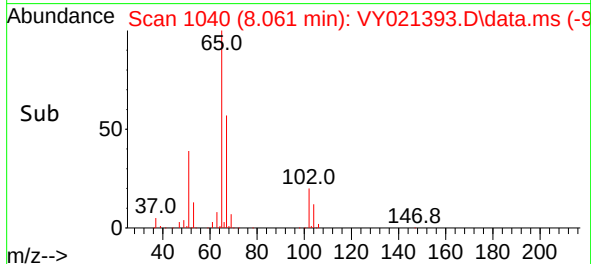
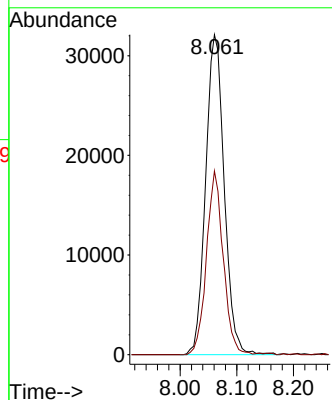
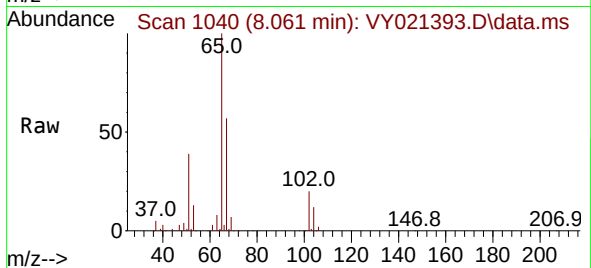
T5

Tgt Ion: 65 Resp: 73152

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

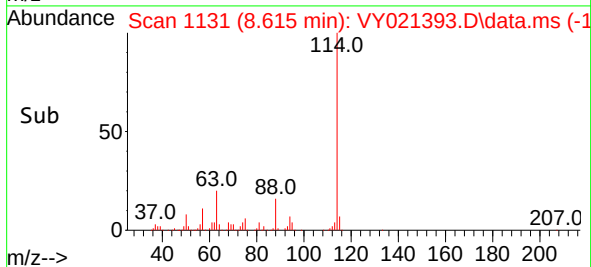
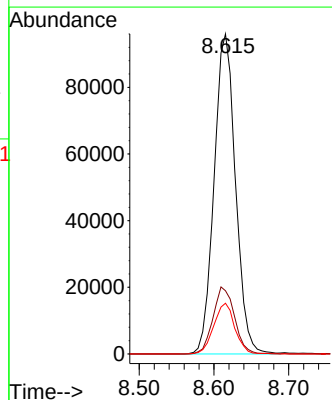
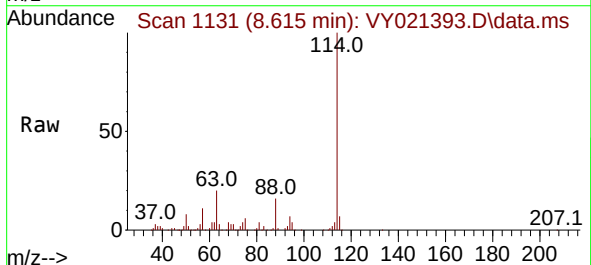
Tgt Ion:114 Resp: 190855

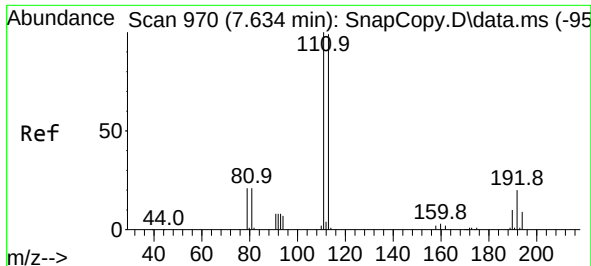
Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.2

88 15.9 0.0 29.8

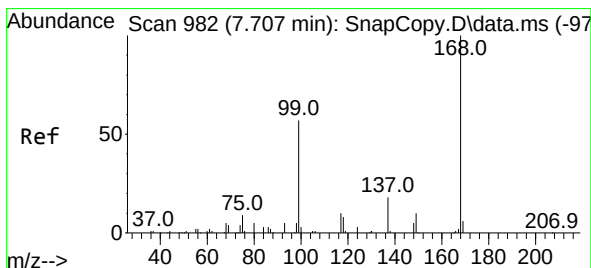
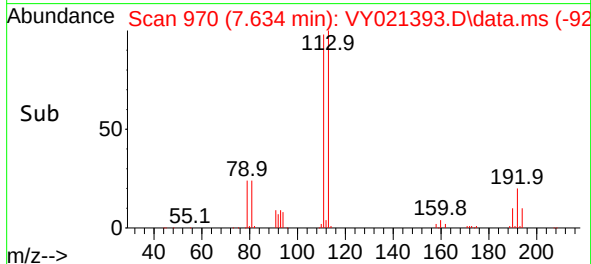
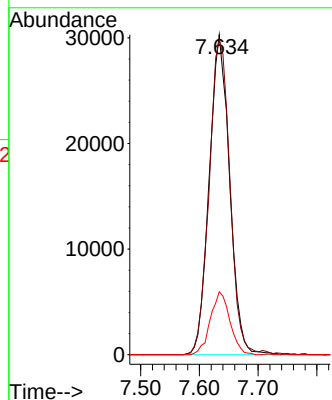
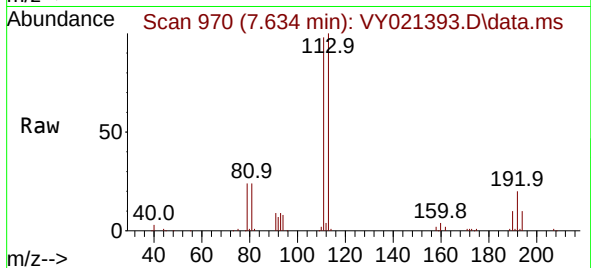




#35
Dibromofluoromethane
Concen: 58.219 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

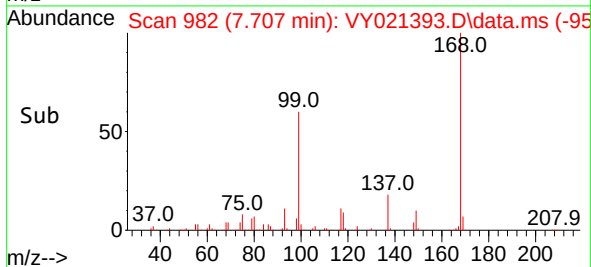
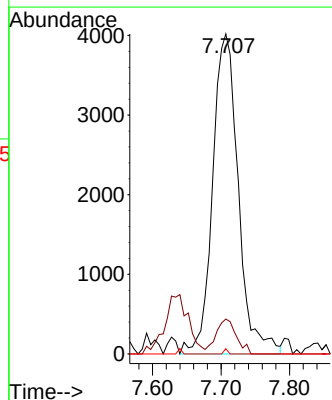
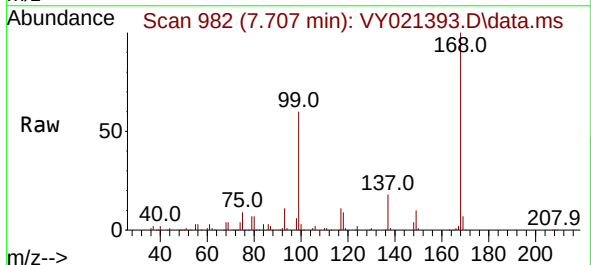
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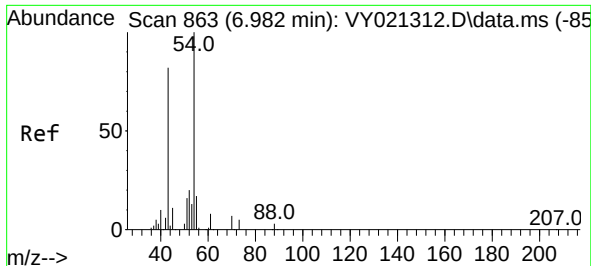
Tgt Ion:113 Resp: 72847
Ion Ratio Lower Upper
113 100
111 100.4 81.0 121.6
192 18.9 15.8 23.8



#36
1,1-Dichloropropene
Concen: 5.552 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion: 75 Resp: 10435
Ion Ratio Lower Upper
75 100
110 8.6 16.9 50.7#
77 0.2 24.6 36.8#





#37

Ethyl Acetate

Concen: 5.889 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

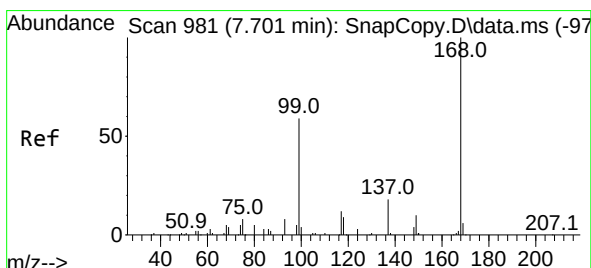
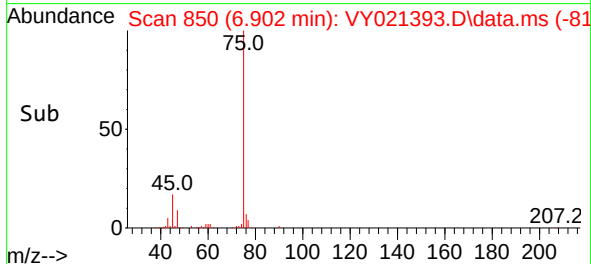
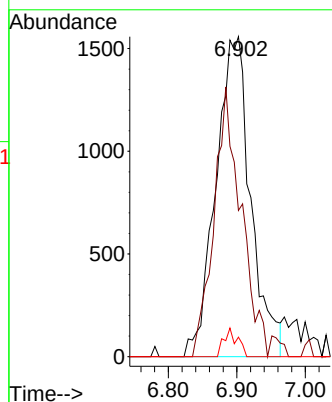
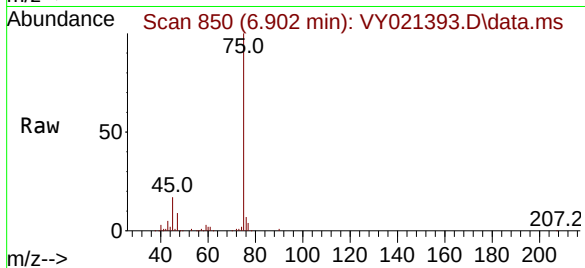
Instrument :

MSVOA_Y

ClientSampleId :

T5

Tgt Ion:	43	Resp:	5506
Ion	Ratio	Lower	Upper
43	100		
61	65.5	10.4	15.6#
70	3.5	7.5	11.3#



#38

Carbon Tetrachloride

Concen: 5.365 ug/l

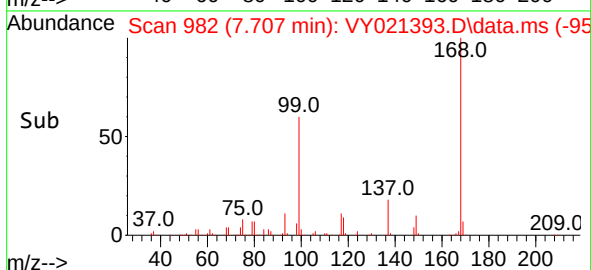
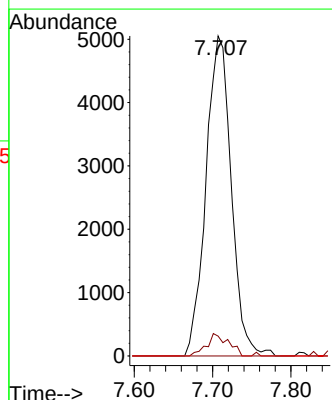
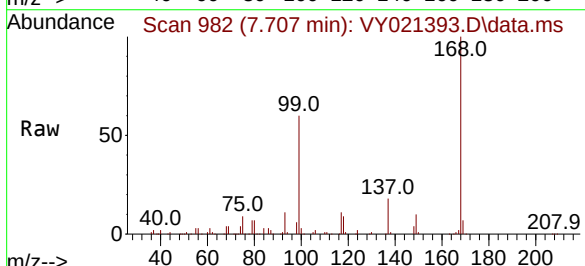
RT: 7.707 min Scan# 982

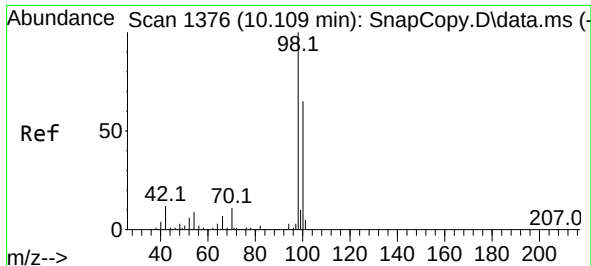
Delta R.T. -0.110 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Tgt Ion:	117	Resp:	11337
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.0	114.0#
121	0.0	24.9	37.3#

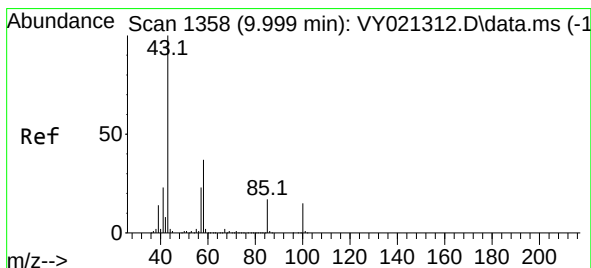
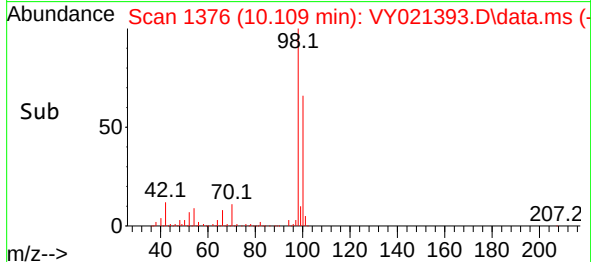
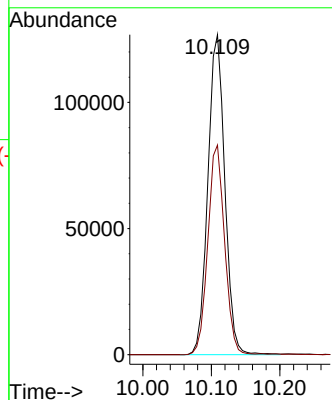
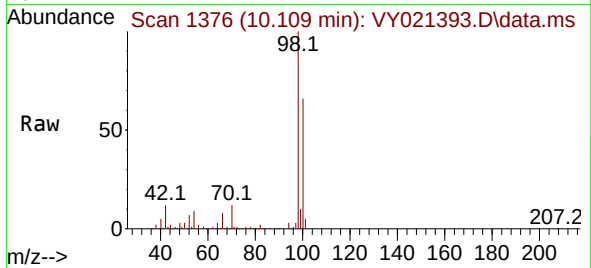




#50
Toluene-d8
Concen: 45.072 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

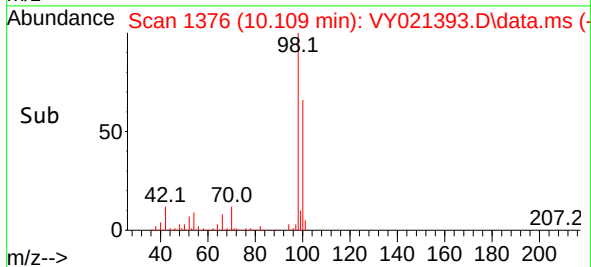
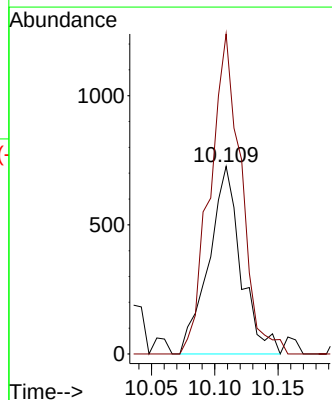
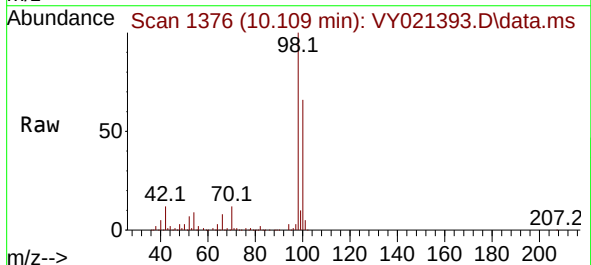
Instrument :
MSVOA_Y
ClientSampleId :
T5

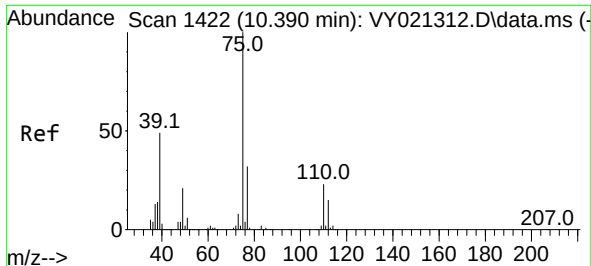
Tgt Ion: 98 Resp: 217960
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
58 166.1 30.1 45.1#

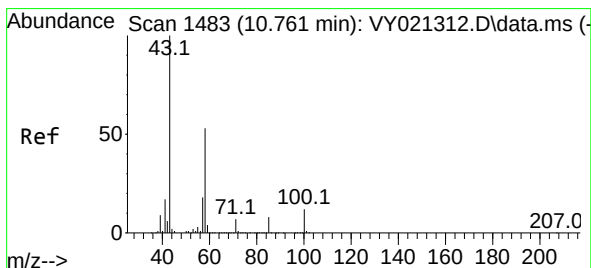
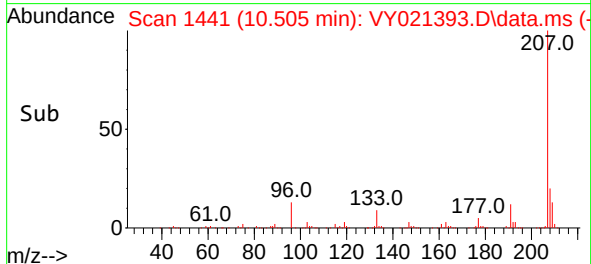
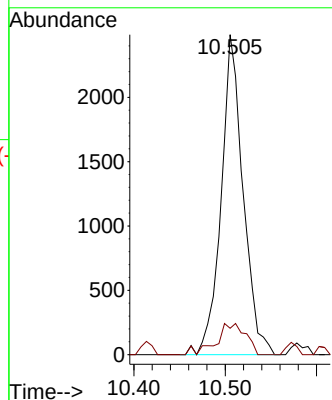
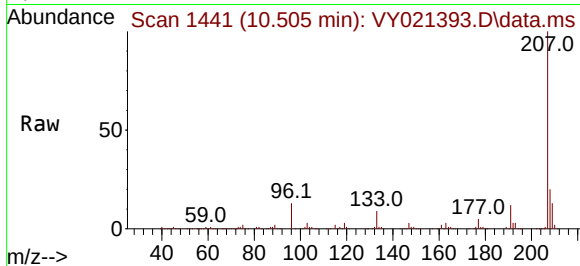




#53
t-1,3-Dichloropropene
Concen: 2.328 ug/l
RT: 10.505 min Scan# 1422
Delta R.T. 0.116 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

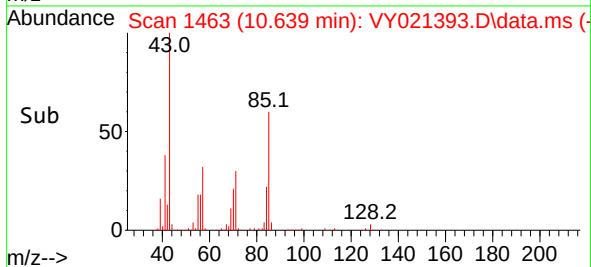
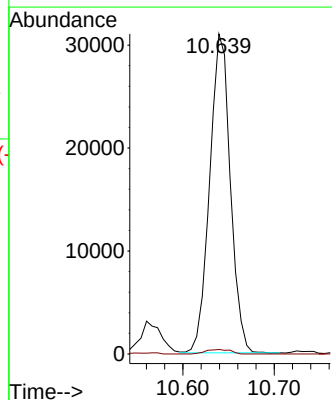
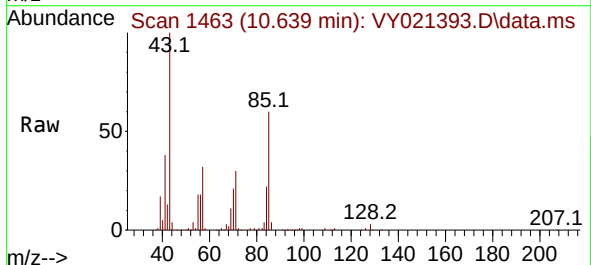
Instrument :
MSVOA_Y
ClientSampleId :
T5

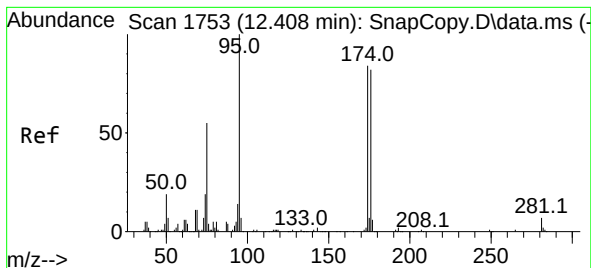
Tgt Ion: 75 Resp: 4157
Ion Ratio Lower Upper
75 100
77 8.2 25.3 37.9#



#59
2-Hexanone
Concen: 80.099 ug/l
RT: 10.639 min Scan# 1463
Delta R.T. -0.122 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion: 43 Resp: 48730
Ion Ratio Lower Upper
43 100
58 1.7 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 33.535 ug/l

RT: 12.407 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Instrument :

MSVOA_Y

ClientSampleId :

T5

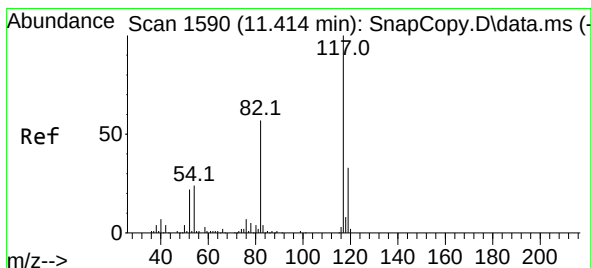
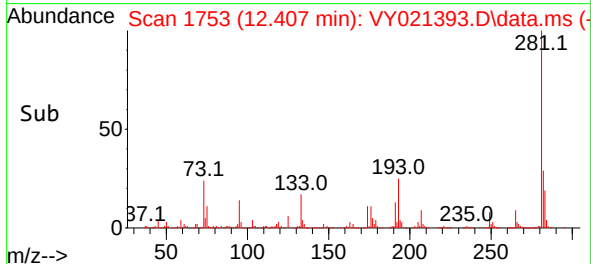
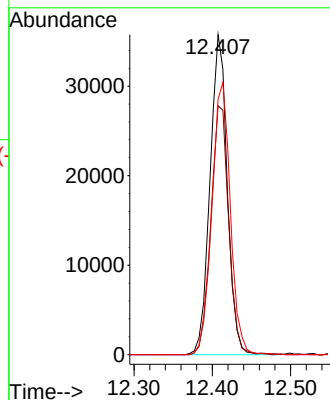
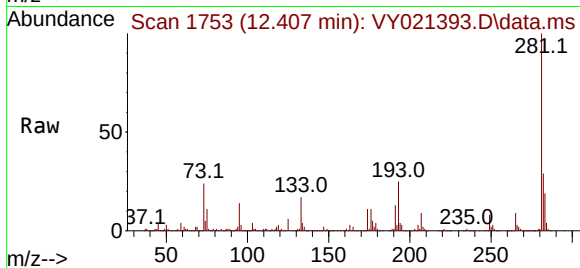
Tgt Ion: 95 Resp: 54576

Ion Ratio Lower Upper

95 100

174 80.5 0.0 168.0

176 91.0 0.0 162.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. 0.006 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

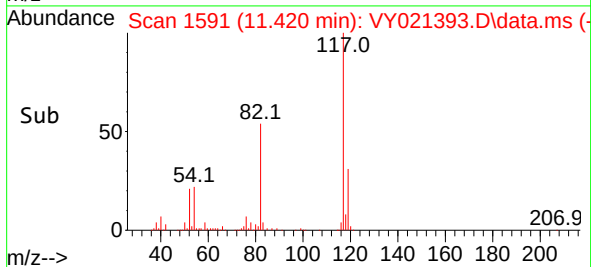
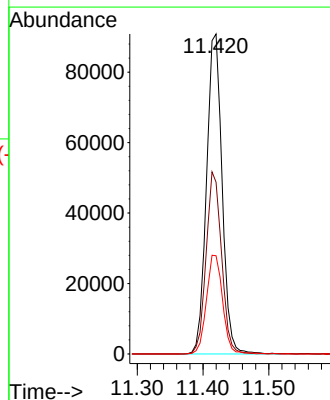
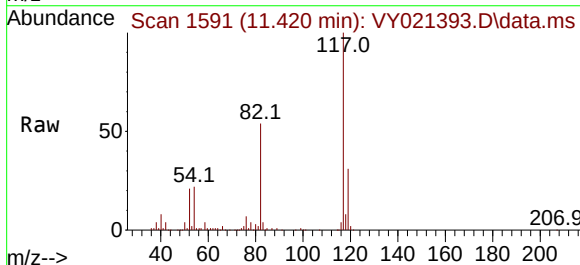
Tgt Ion: 117 Resp: 149747

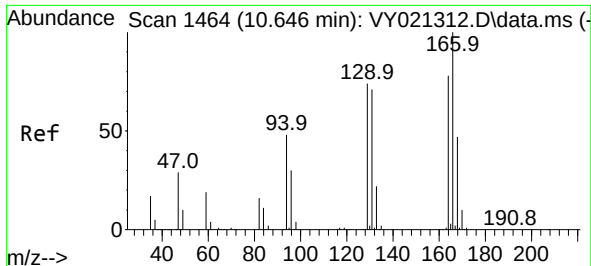
Ion Ratio Lower Upper

117 100

82 53.7 46.2 69.4

119 30.7 24.9 37.3

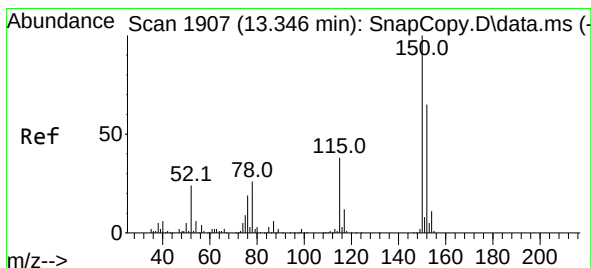
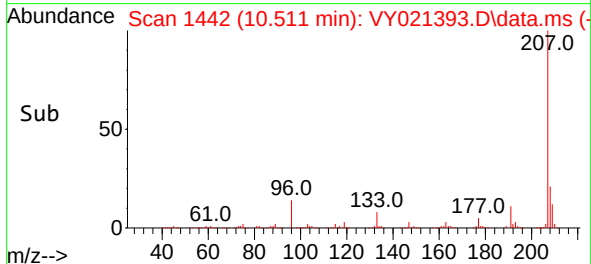
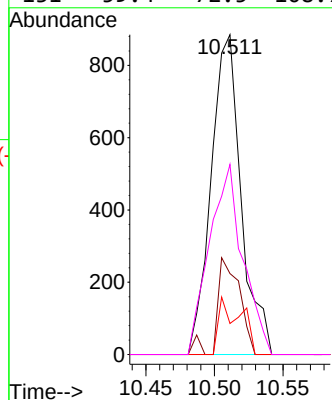
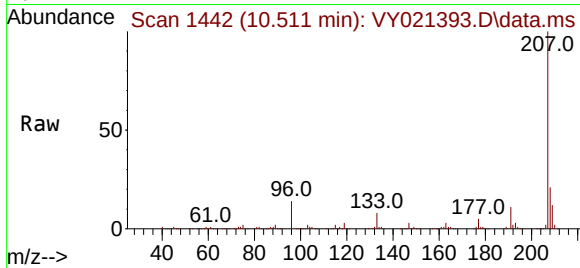




#64
Tetrachloroethene
Concen: 1.192 ug/l
RT: 10.511 min Scan# 1464
Delta R.T. -0.134 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

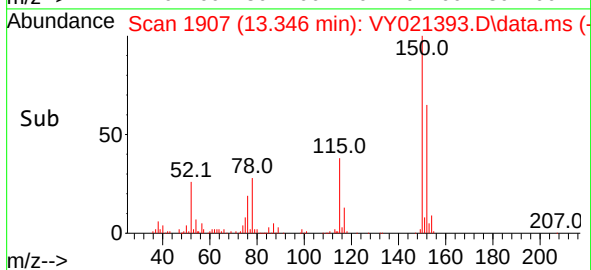
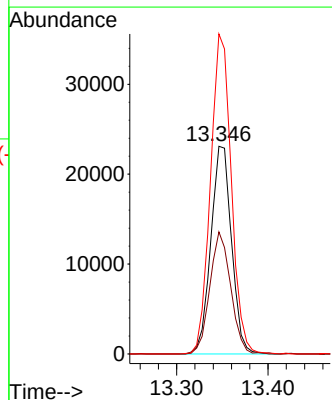
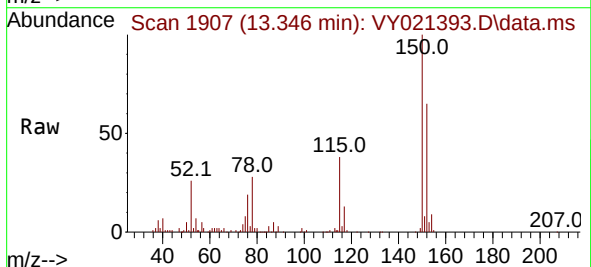
Instrument :
MSVOA_Y
ClientSampleId :
T5

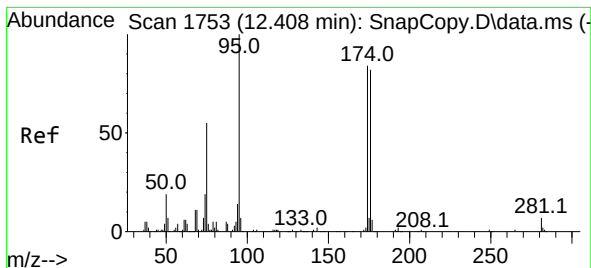
Tgt Ion:164	Resp:	1349
Ion Ratio	Lower	Upper
164	100	
166	25.3	101.9 152.9#
129	9.7	75.5 113.3#
131	59.4	72.5 108.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY021393.D
Acq: 28 Feb 2025 20:12

Tgt Ion:152	Resp:	36347
Ion Ratio	Lower	Upper
152	100	
115	59.1	29.3 88.0
150	154.4	0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 137.298 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. -0.146 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Instrument :

MSVOA_Y

ClientSampleId :

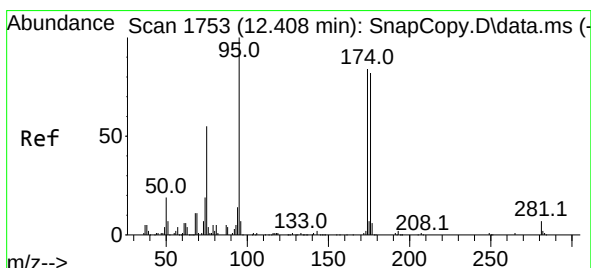
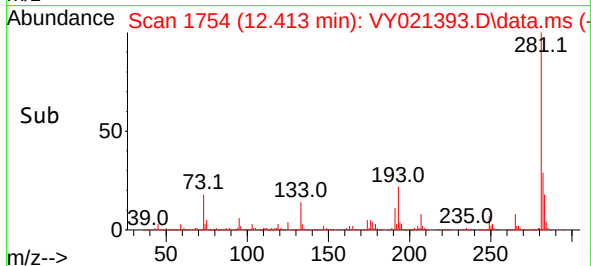
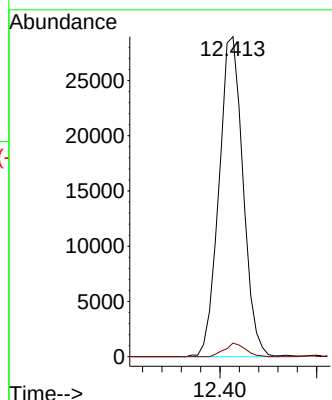
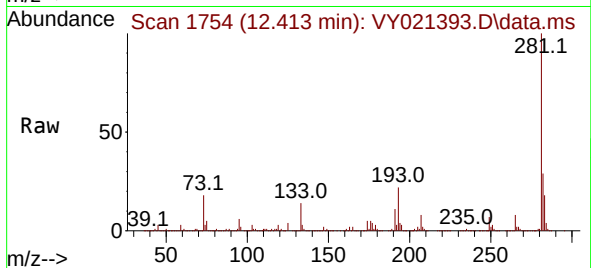
T5

Tgt Ion: 75 Resp: 49951

Ion Ratio Lower Upper

75 100

77 3.7 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 305.165 ug/l

RT: 12.413 min Scan# 1754

Delta R.T. 0.110 min

Lab File: VY021393.D

Acq: 28 Feb 2025 20:12

Tgt Ion: 75 Resp: 49951

Ion Ratio Lower Upper

75 100

53 0.7 79.1 118.7#

89 14.1 35.6 53.4#

