

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060424\
 Data File : VY018475.D
 Acq On : 04 Jun 2024 19:49
 Operator : SY/MD
 Sample : P2705-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 05 01:31:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

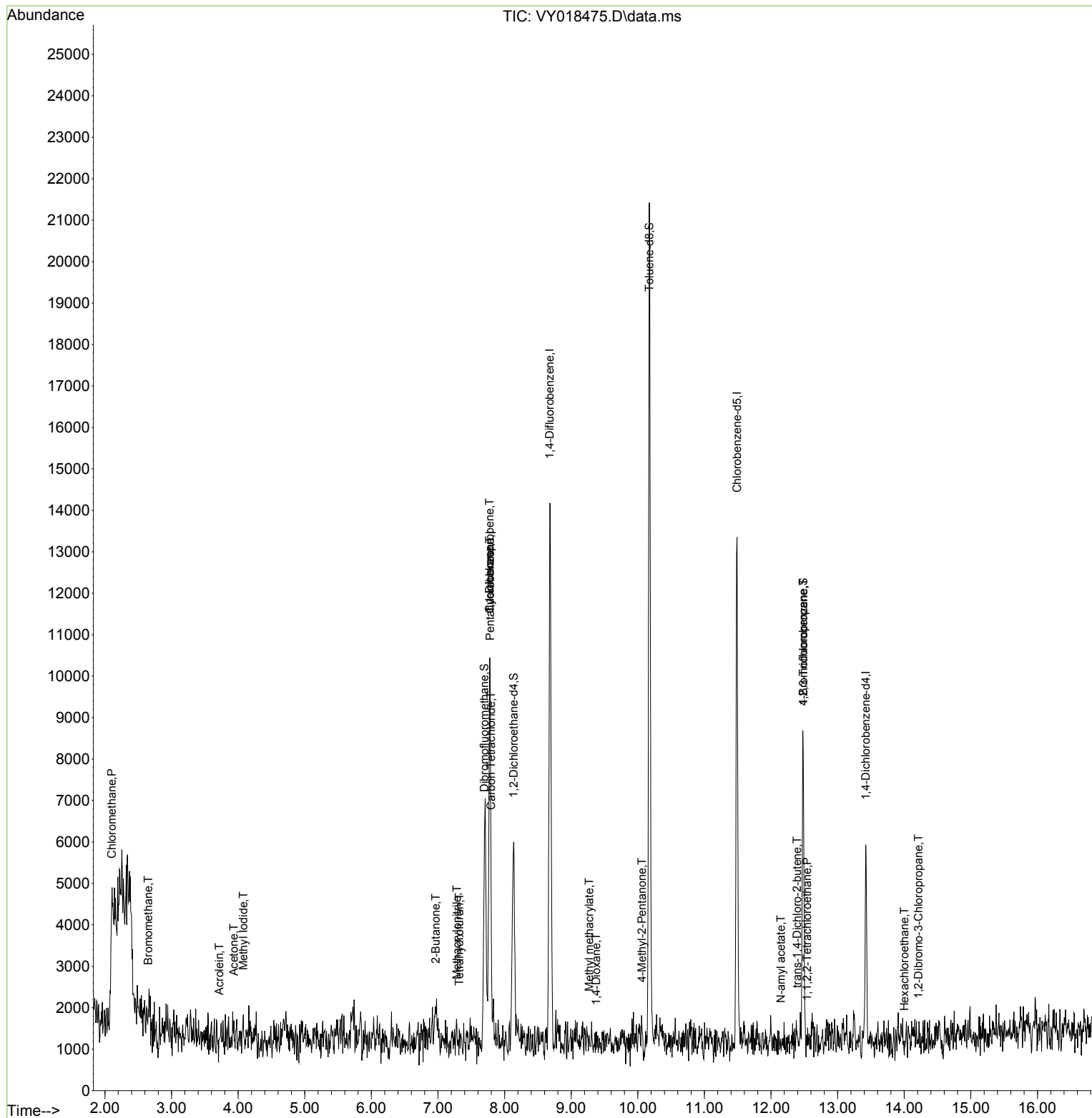
Internal Standards						
1) Pentafluorobenzene	7.783	168	5889	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	10566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1141	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3627	31.362	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	62.720%
35) Dibromofluoromethane	7.697	113	3936	29.377	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	58.760%
50) Toluene-d8	10.173	98	13229	24.819	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	49.640%#
62) 4-Bromofluorobenzene	12.483	95	2185	13.166	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	26.340%#
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	343	1.967	ug/l	# 85
5) Bromomethane	2.650	94	386	2.773	ug/l	# 58
10) Methyl Iodide	4.076	142	185	1.498	ug/l	# 42
11) Tert butyl alcohol	4.984	59	20	Below Cal	#	1
13) Acrolein	3.716	56	55	4.646	ug/l	# 66
16) Acetone	3.936	43	298	11.609	ug/l	# 36
20) Methylene Chloride	4.704	84	81	Below Cal	#	36
25) 2-Butanone	6.966	43	145	3.687	ug/l	# 41
29) Tetrahydrofuran	7.319	42	81	3.172	ug/l	# 61
31) Cyclohexane	7.777	56	372	1.725	ug/l	# 81
36) 1,1-Dichloropropene	7.777	75	909	4.449	ug/l	# 48
38) Carbon Tetrachloride	7.795	117	829	4.049	ug/l	# 13
41) Methacrylonitrile	7.283	41	69	1.390	ug/l	# 24
48) Methyl methacrylate	9.270	41	142	1.617	ug/l	# 7
49) 1,4-Dioxane	9.374	88	29	27.515	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.063	43	131	1.322	ug/l	# 31
74) N-amyl acetate	12.148	43	36	1.256	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.544	83	45	2.171	ug/l	# 96
76) 1,2,3-Trichloropropane	12.483	75	1136	80.291	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.392	75	59	8.761	ug/l	# 50
90) Hexachloroethane	14.001	117	24	1.270	ug/l	# 12
92) 1,2-Dibromo-3-Chloropr...	14.215	75	21	6.658	ug/l	# 1

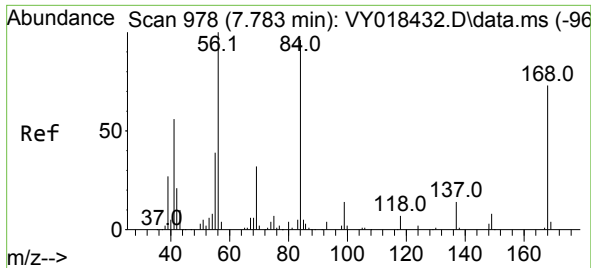
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

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MSVOA_Y
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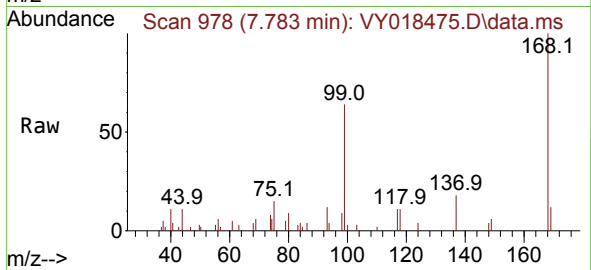
Quant Time: Jun 05 01:31:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 07:11:56 2024
Response via : Initial Calibration



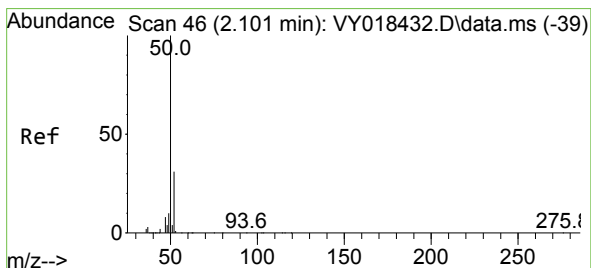
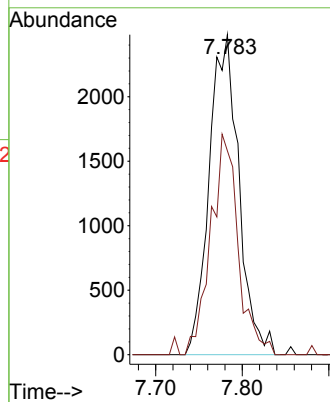
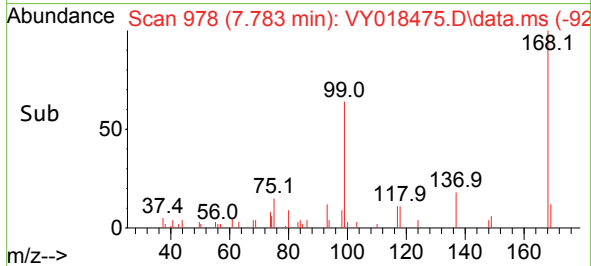


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Instrument :
MSVOA_Y
ClientSampleId :

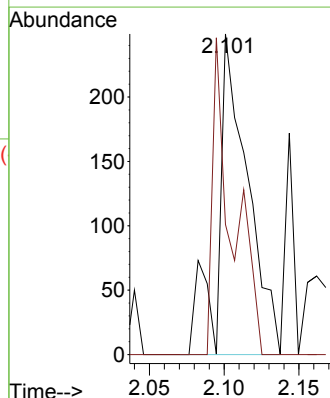
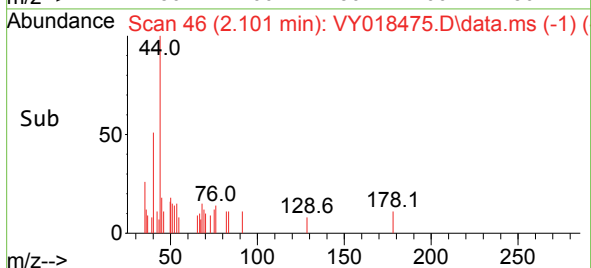
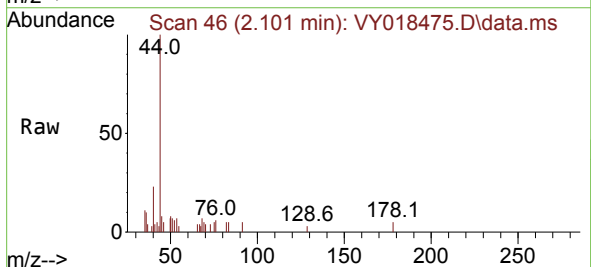


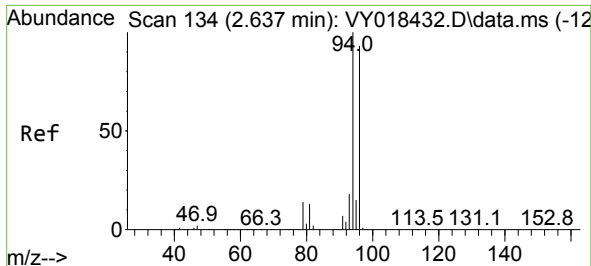
Tgt Ion:168 Resp: 5889
Ion Ratio Lower Upper
168 100
99 63.7 39.1 58.7#



#3
Chloromethane
Concen: 1.967 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 50 Resp: 343
Ion Ratio Lower Upper
50 100
52 40.6 25.6 38.4#

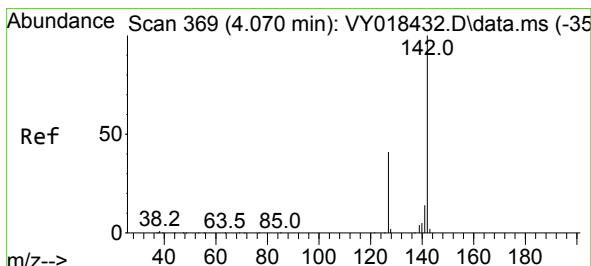
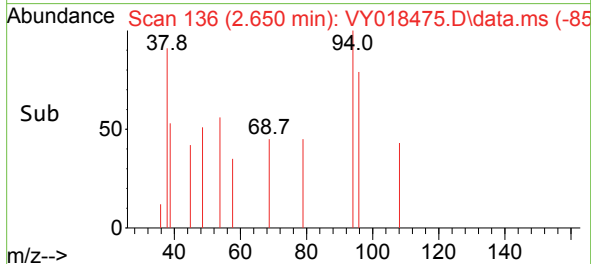
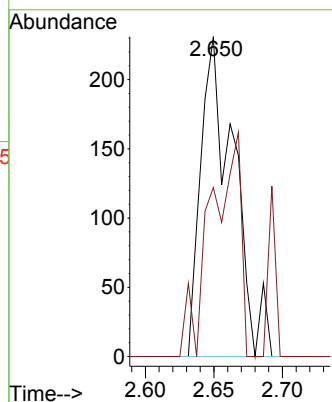
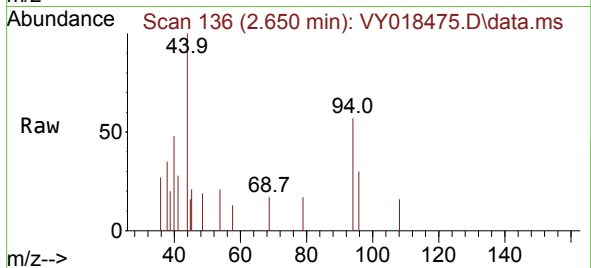




#5
Bromomethane
Concen: 2.773 ug/l
RT: 2.650 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

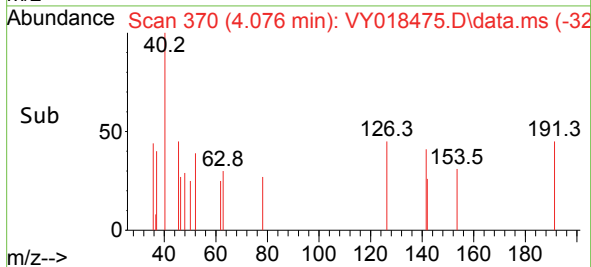
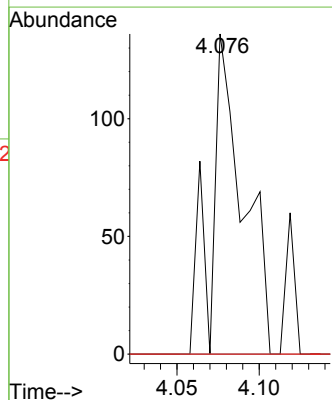
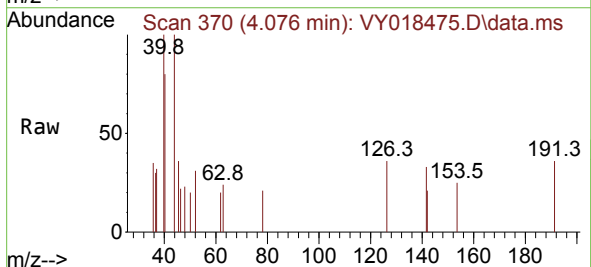
Instrument :
MSVOA_Y
ClientSampleId :

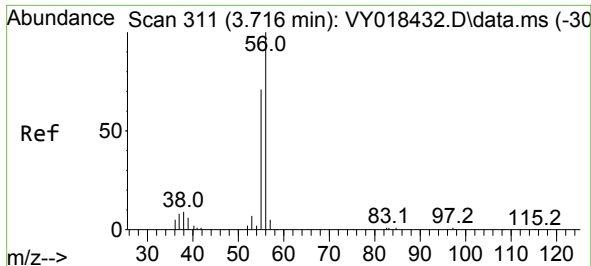
Tgt Ion: 94 Resp: 386
Ion Ratio Lower Upper
94 100
96 52.8 74.1 111.1#



#10
Methyl Iodide
Concen: 1.498 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.006 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 142 Resp: 185
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

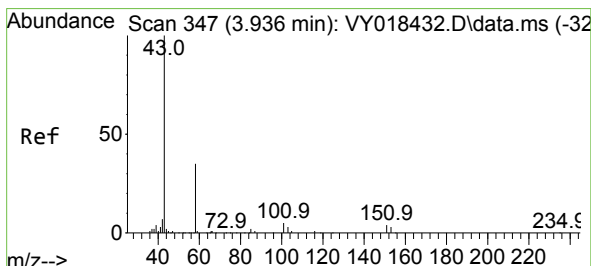
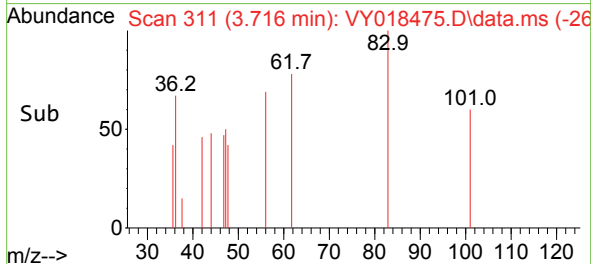
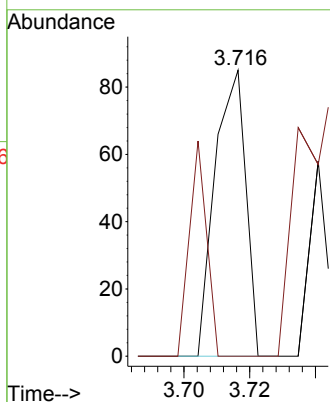
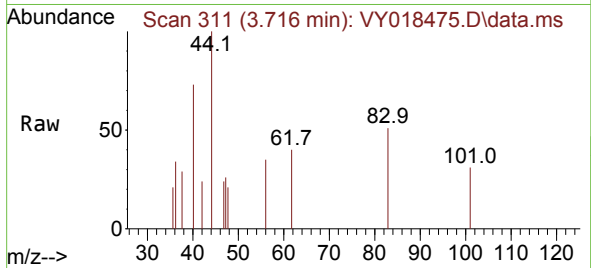




#13
Acrolein
Concen: 4.646 ug/l
RT: 3.716 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

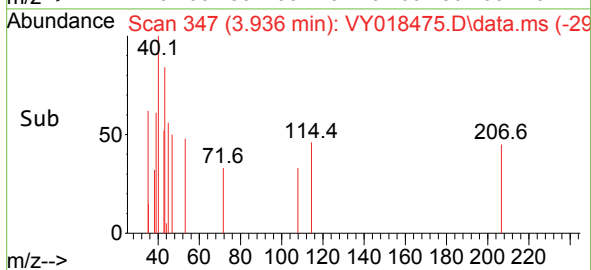
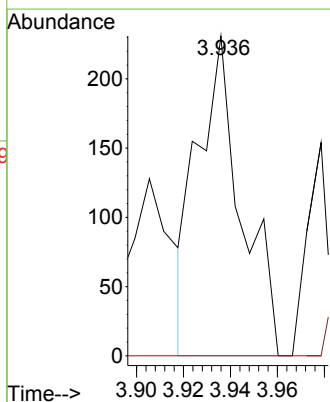
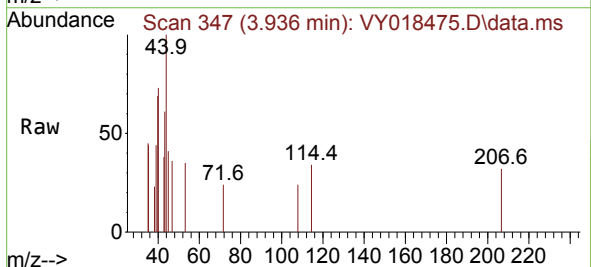
Instrument :
MSVOA_Y
ClientSampleId :

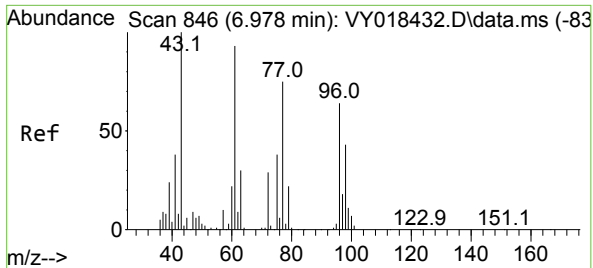
Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 41.8 55.7 83.5#



#16
Acetone
Concen: 11.609 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 43 Resp: 298
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#

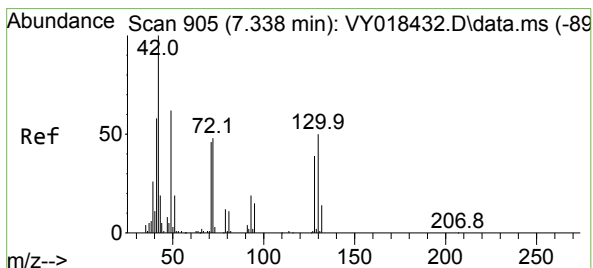
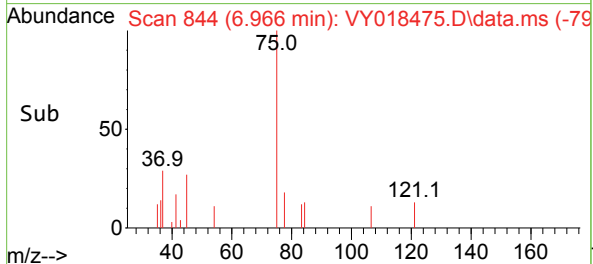
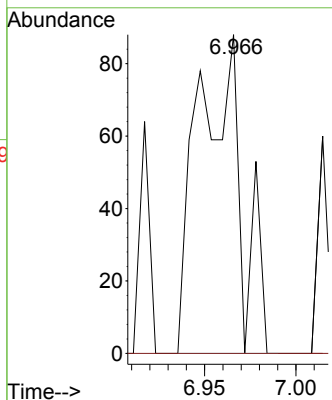
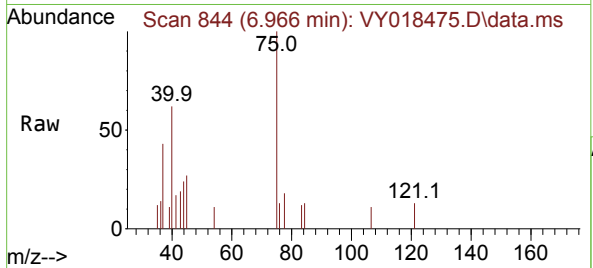




#25
2-Butanone
Concen: 3.687 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

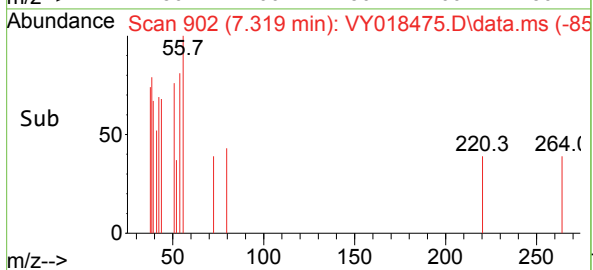
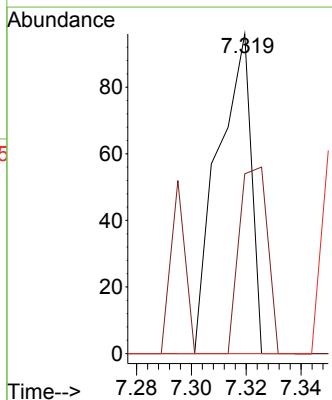
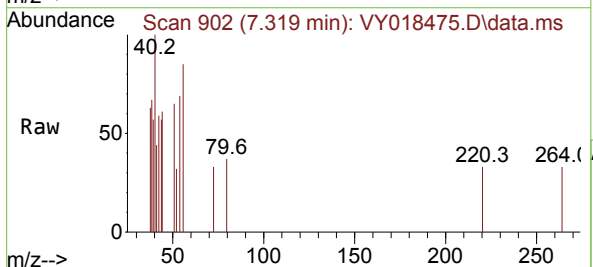
Instrument :
MSVOA_Y
ClientSampleId :

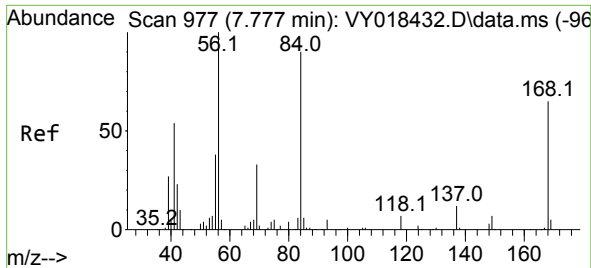
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#29
Tetrahydrofuran
Concen: 3.172 ug/l
RT: 7.319 min Scan# 902
Delta R.T. -0.018 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

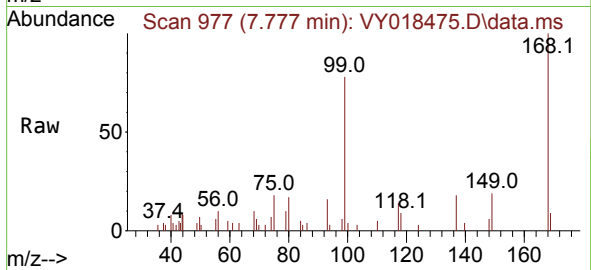
Tgt Ion: 42 Resp: 81
Ion Ratio Lower Upper
42 100
72 49.4 43.0 64.4
71 0.0 40.8 61.2#



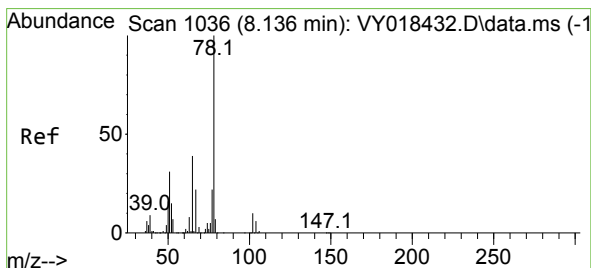
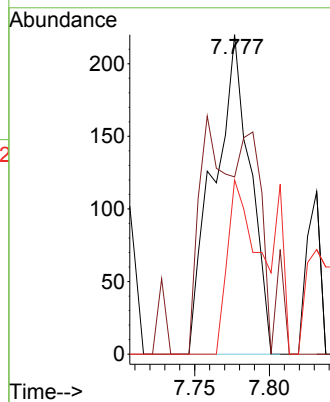
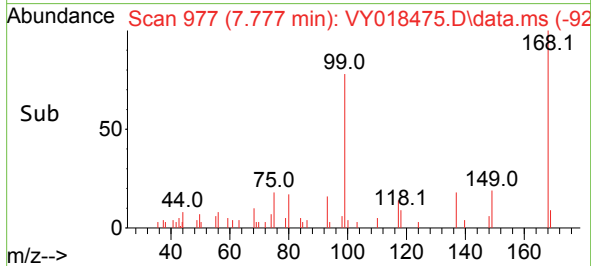


#31
Cyclohexane
Concen: 1.725 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Instrument :
MSVOA_Y
ClientSampleId :

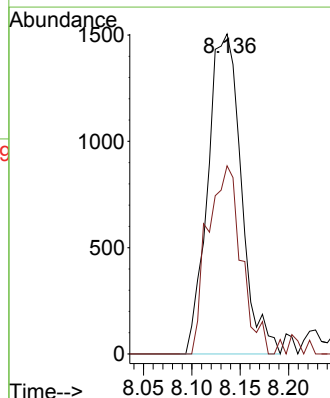
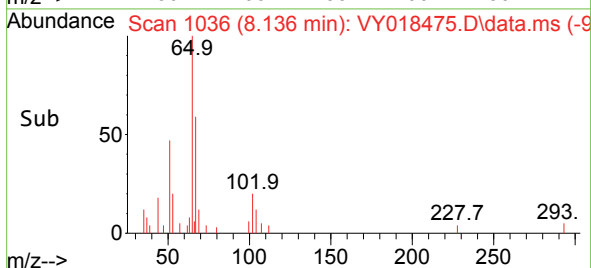
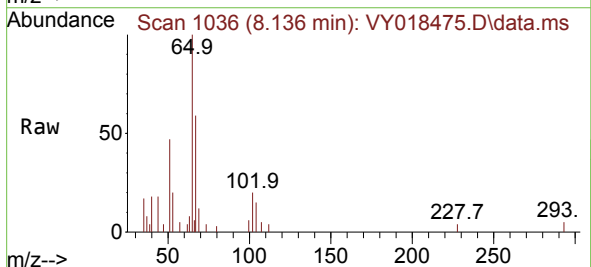


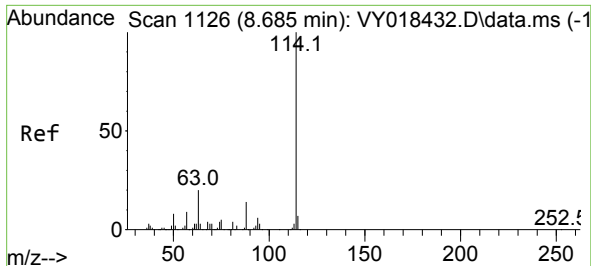
Tgt Ion: 56 Resp: 372
Ion Ratio Lower Upper
56 100
69 55.5 28.7 43.1#
84 84.1 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 31.362 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 65 Resp: 3627
Ion Ratio Lower Upper
65 100
67 58.8 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.679 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VY018475.D

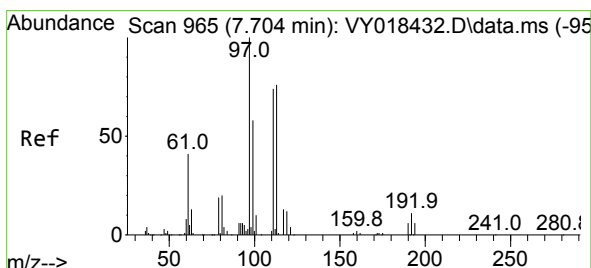
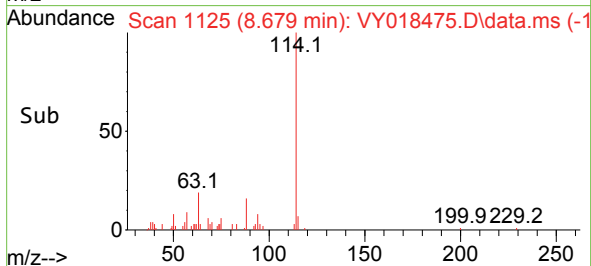
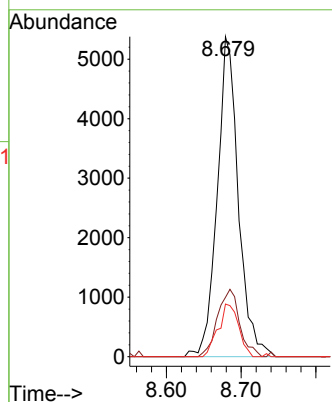
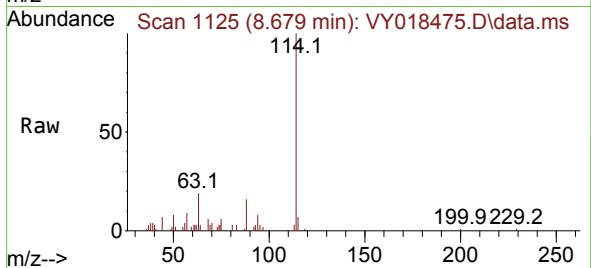
Acq: 04 Jun 2024 19:49

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	10566
Ion Ratio	Lower	Upper
114	100	
63	18.6	0.0 35.0
88	16.5	0.0 27.2



#35

Dibromofluoromethane

Concen: 29.377 ug/l

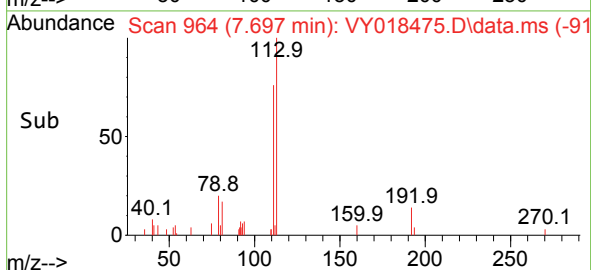
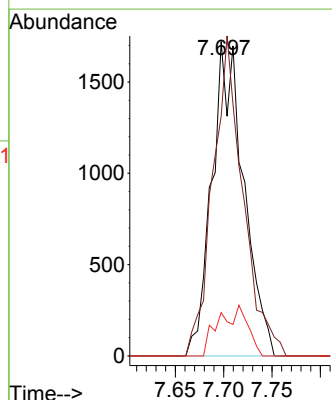
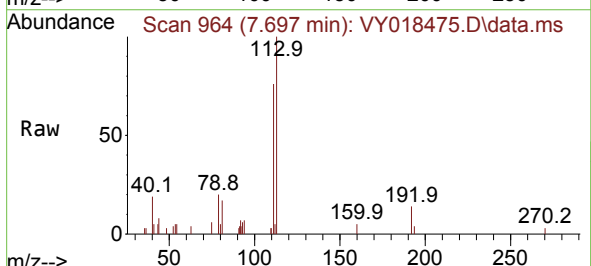
RT: 7.697 min Scan# 964

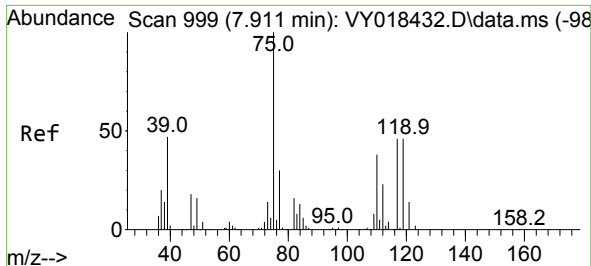
Delta R.T. -0.006 min

Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

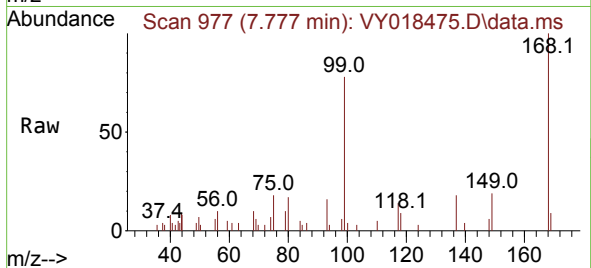
Tgt Ion:113	Resp:	3936
Ion Ratio	Lower	Upper
113	100	
111	96.2	82.2 123.4
192	14.6	15.9 23.9



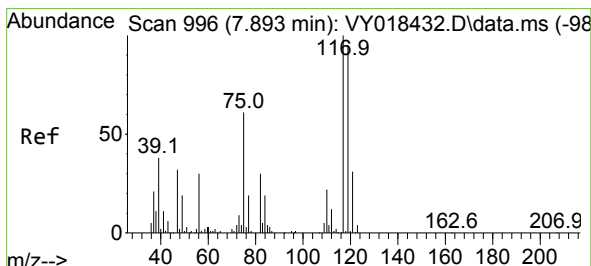
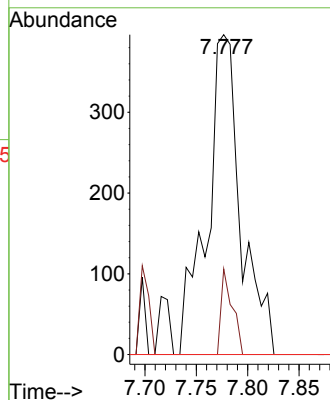
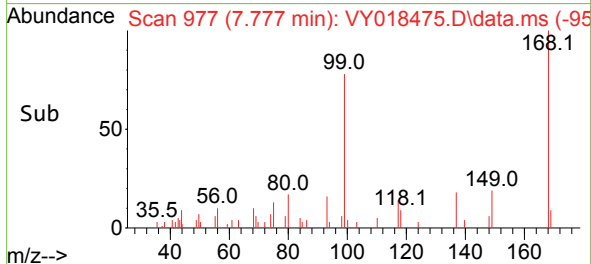


#36
1,1-Dichloropropene
Concen: 4.449 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

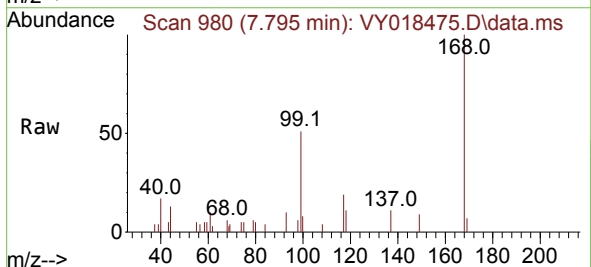
Instrument :
MSVOA_Y
ClientSampleId :



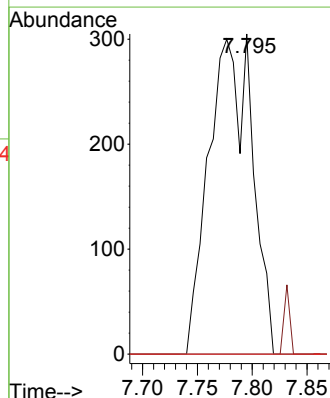
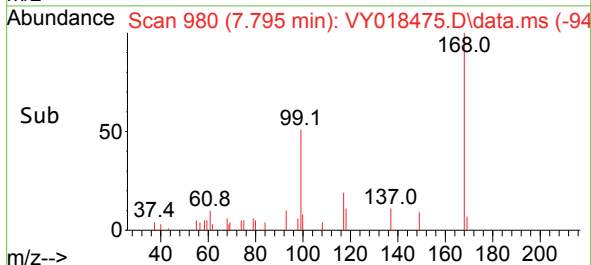
Tgt Ion: 75 Resp: 909
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#

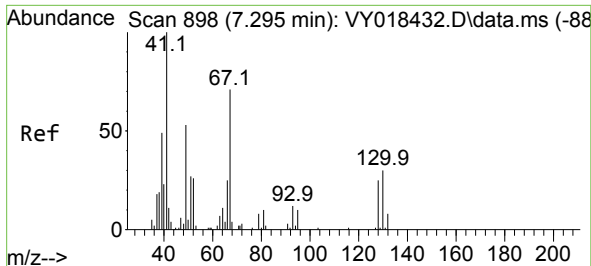


#38
Carbon Tetrachloride
Concen: 4.049 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.098 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49



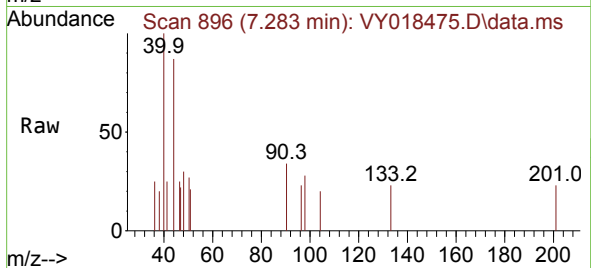
Tgt Ion: 117 Resp: 829
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



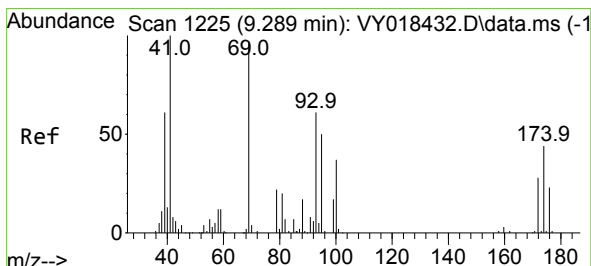
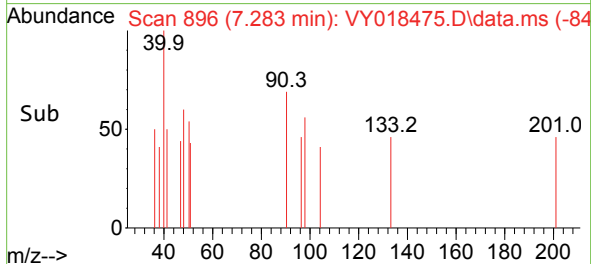
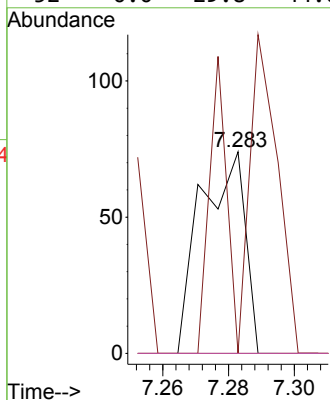


#41
Methacrylonitrile
Concen: 1.390 ug/l
RT: 7.283 min Scan# 896
Delta R.T. -0.012 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Instrument :
MSVOA_Y
ClientSampleId :

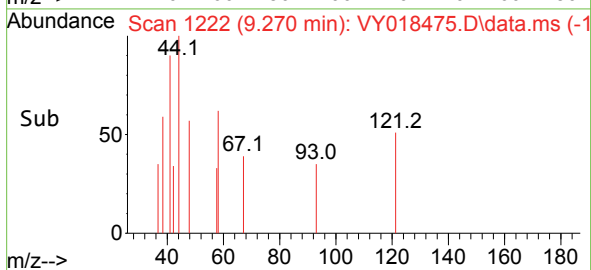
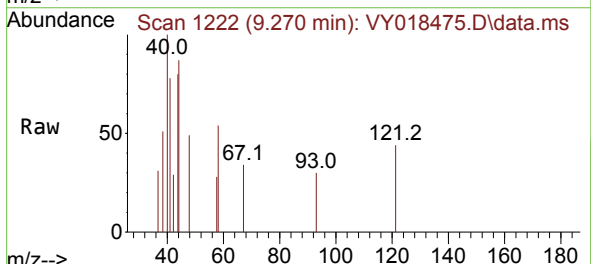
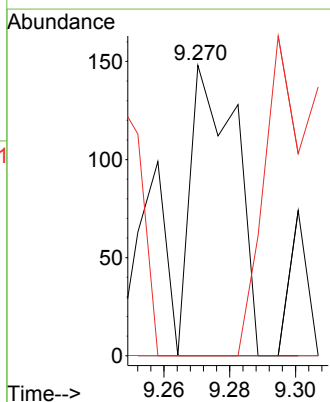


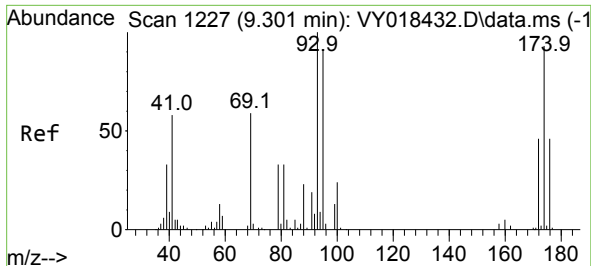
Tgt Ion:	41	Resp:	69
Ion	Ratio	Lower	Upper
41	100		
39	98.6	48.0	72.0#
67	0.0	75.1	112.7#
52	0.0	29.8	44.6#



#48
Methyl methacrylate
Concen: 1.617 ug/l
RT: 9.270 min Scan# 1222
Delta R.T. -0.018 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion:	41	Resp:	142
Ion	Ratio	Lower	Upper
41	100		
69	0.0	84.1	126.1#
39	0.0	43.6	65.4#





#49

1,4-Dioxane

Concen: 27.515 ug/l

RT: 9.374 min Scan# 1229

Delta R.T. 0.073 min

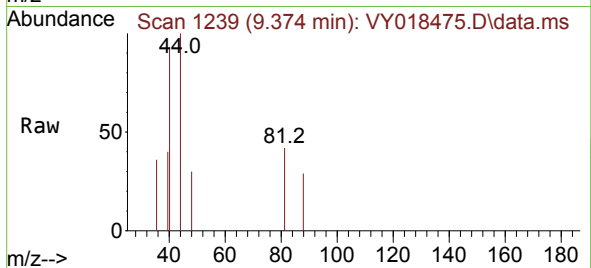
Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

Instrument :

MSVOA_Y

ClientSampleId :



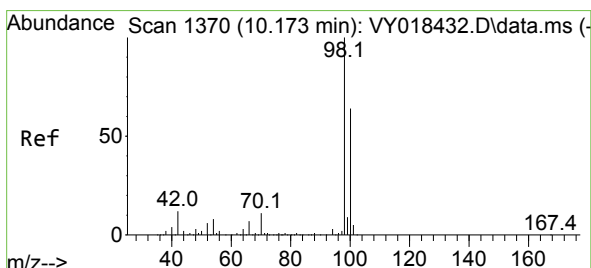
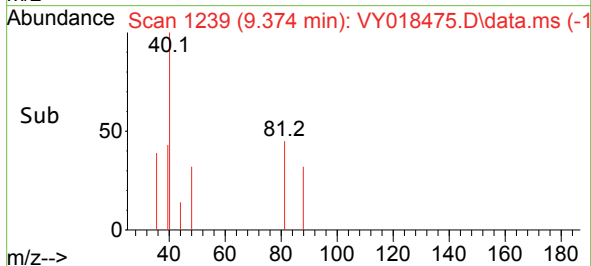
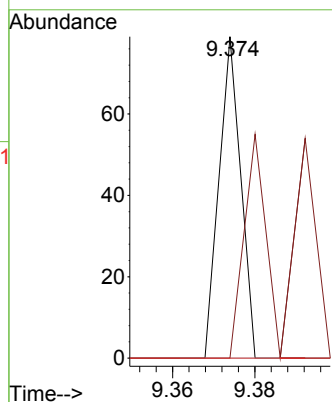
Tgt Ion: 88 Resp: 29

Ion Ratio Lower Upper

88 100

43 137.9 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 24.819 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY018475.D

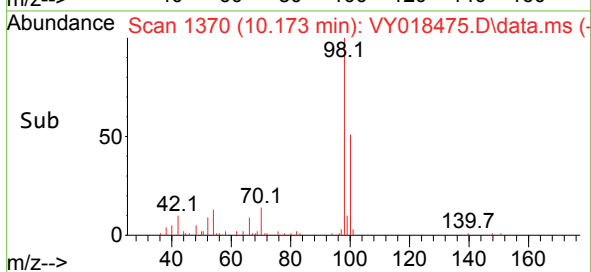
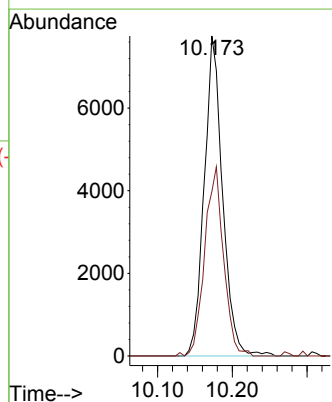
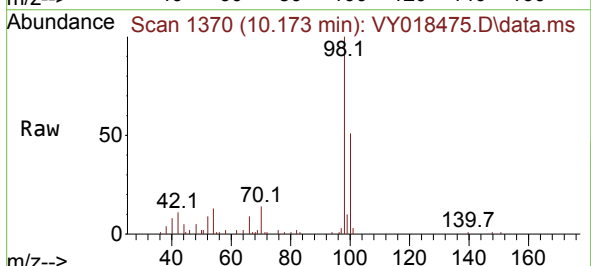
Acq: 04 Jun 2024 19:49

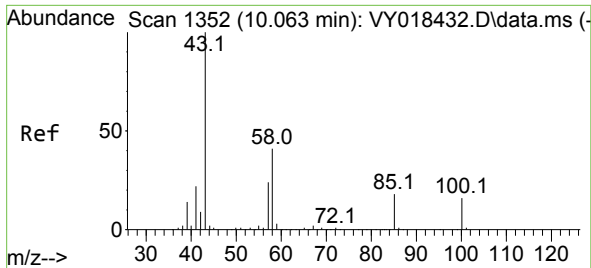
Tgt Ion: 98 Resp: 13229

Ion Ratio Lower Upper

98 100

100 60.7 52.0 78.0

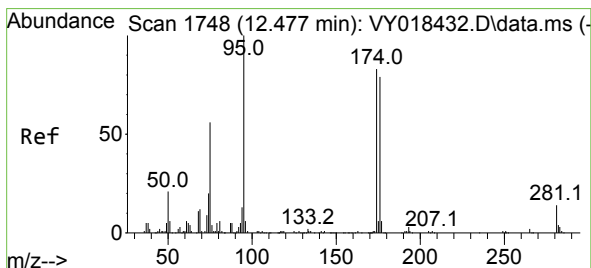
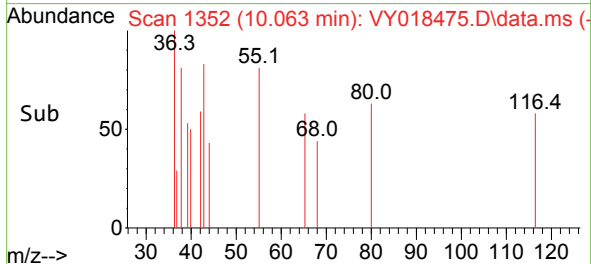
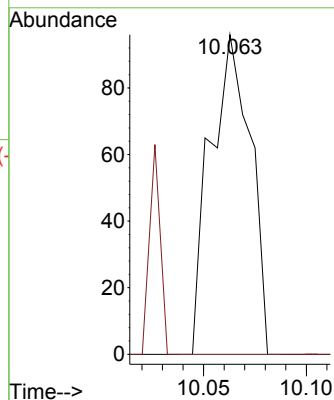
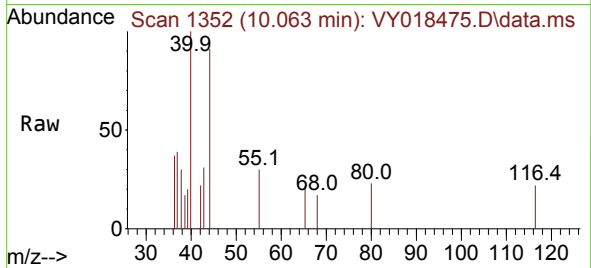




#51
4-Methyl-2-Pentanone
Concen: 1.322 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.000 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

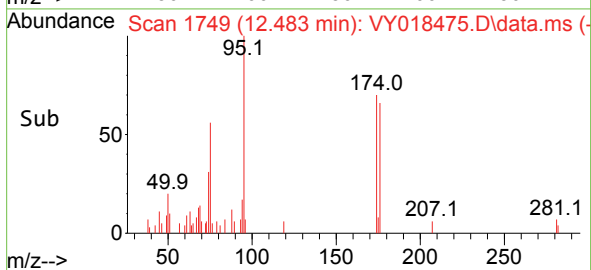
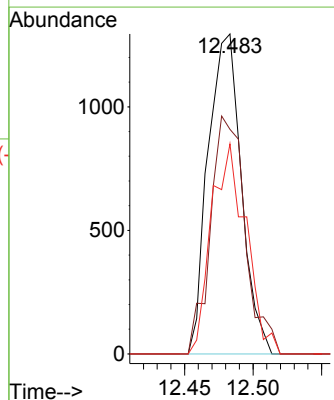
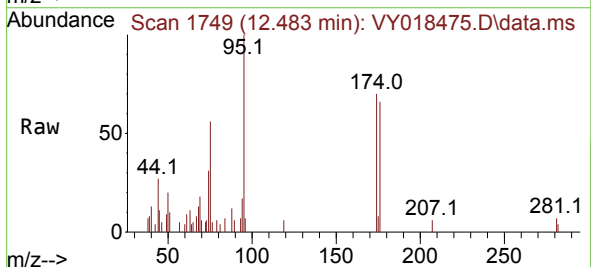
Instrument :
MSVOA_Y
ClientSampleId :

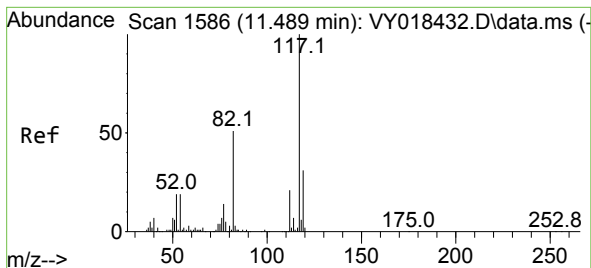
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 13.166 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 95 Resp: 2185
Ion Ratio Lower Upper
95 100
174 77.5 0.0 175.6
176 68.3 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

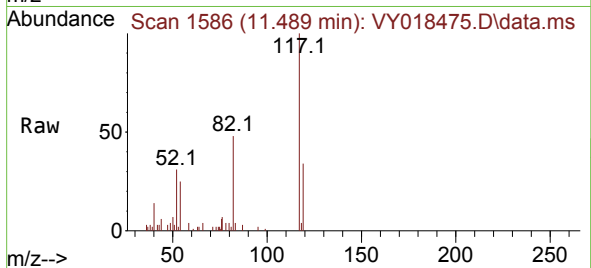
Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

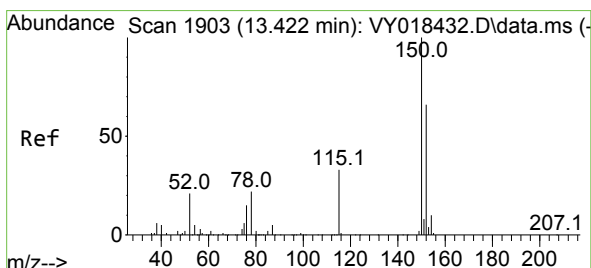
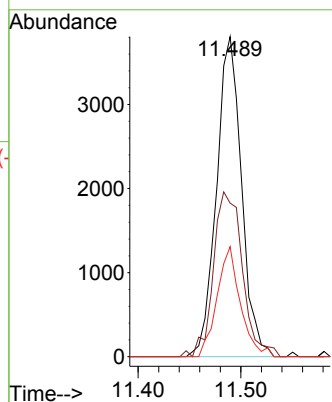
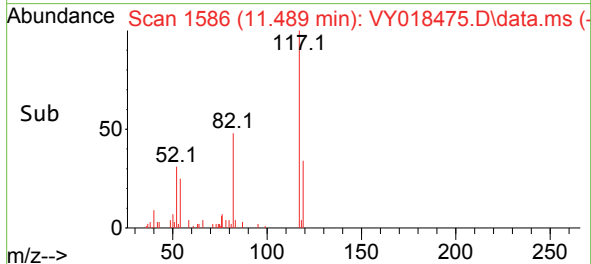
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	117	Resp:	6430
Ion	Ratio	Lower	Upper
117	100		
82	48.0	42.4	63.6
119	34.4	25.9	38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

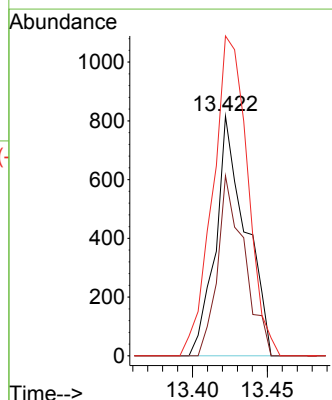
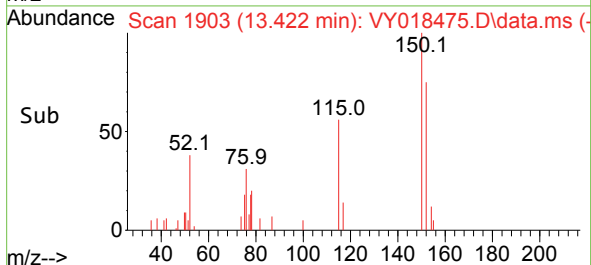
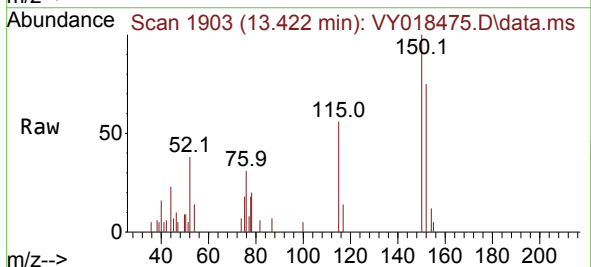
RT: 13.422 min Scan# 1903

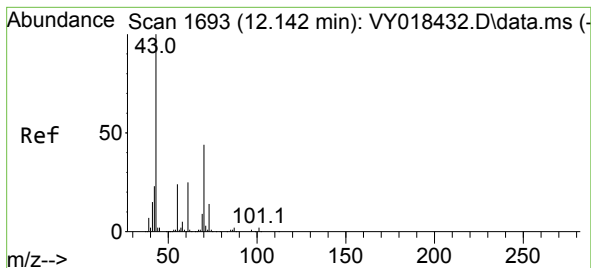
Delta R.T. -0.000 min

Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

Tgt Ion:	152	Resp:	1141
Ion	Ratio	Lower	Upper
152	100		
115	66.6	28.2	84.7
150	154.7	0.0	345.6





#74

N-amy1 acetate

Concen: 1.256 ug/l

RT: 12.148 min Scan# 1

Delta R.T. 0.006 min

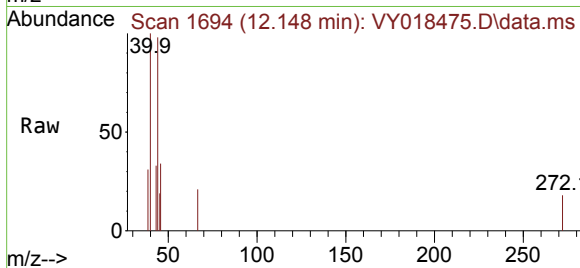
Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 36

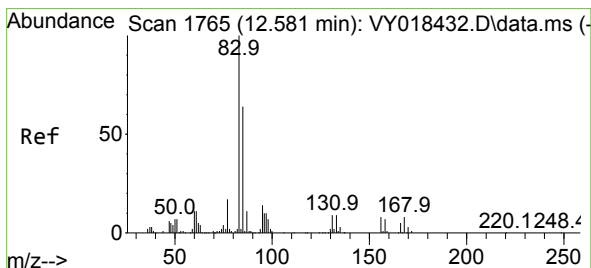
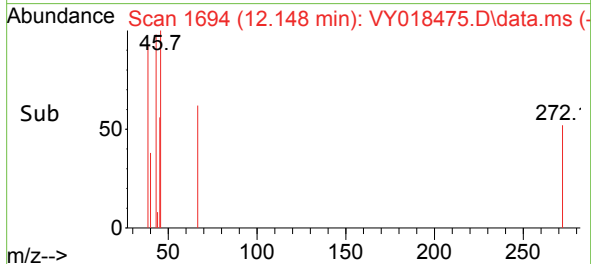
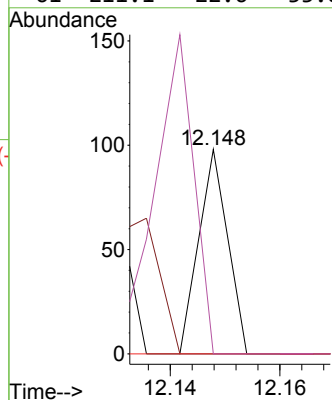
Ion Ratio Lower Upper

43 100

70 0.0 41.4 62.2#

55 0.0 23.3 34.9#

61 211.1 22.6 33.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 2.171 ug/l

RT: 12.544 min Scan# 1759

Delta R.T. -0.037 min

Lab File: VY018475.D

Acq: 04 Jun 2024 19:49

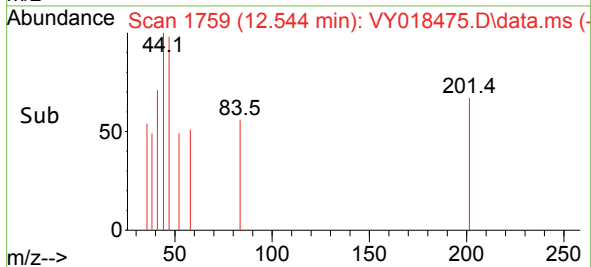
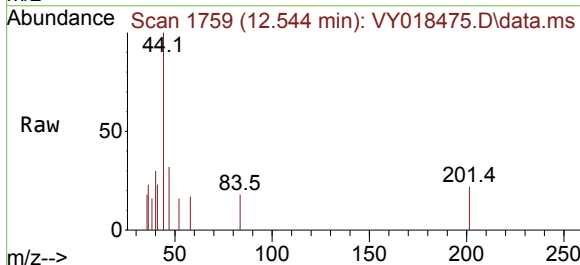
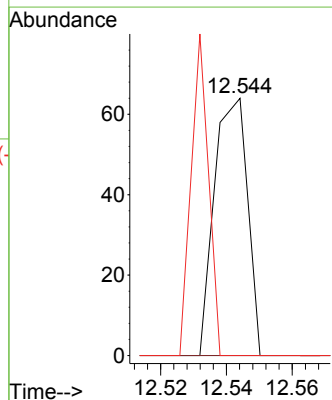
Tgt Ion: 83 Resp: 45

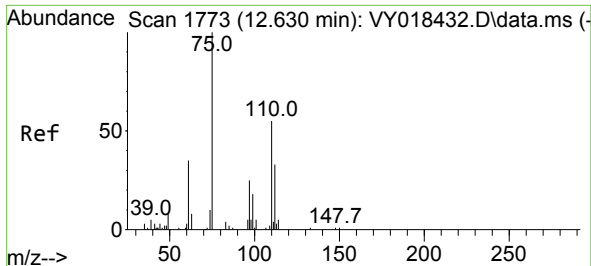
Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

85 64.4 32.0 96.0

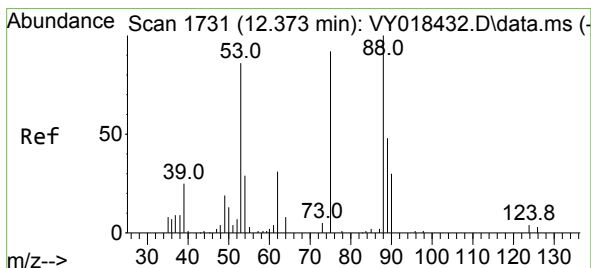
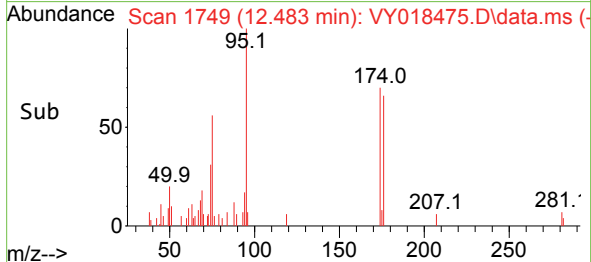
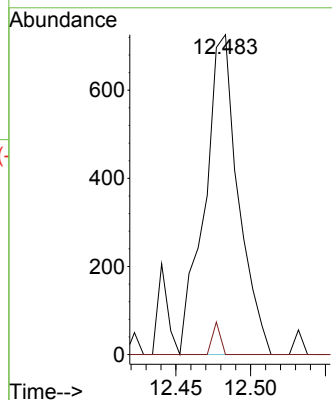
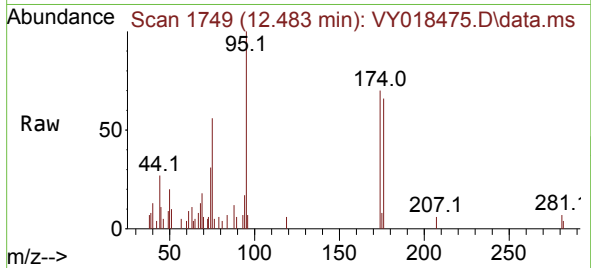




#76
1,2,3-Trichloropropane
Concen: 80.291 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.146 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

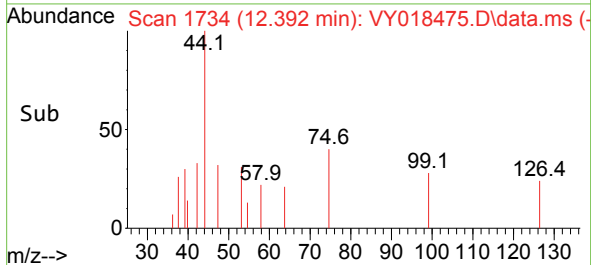
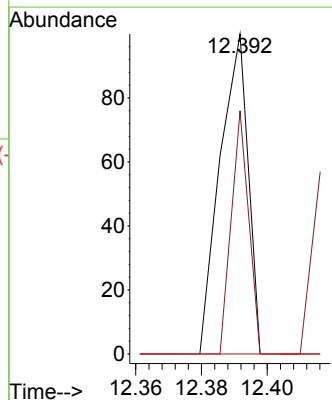
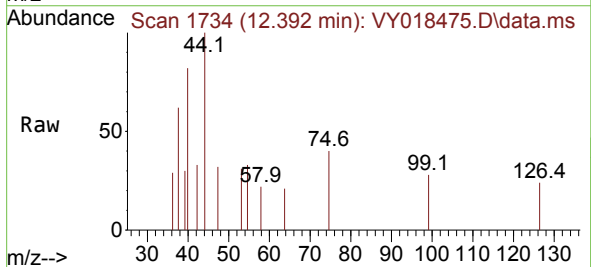
Instrument :
MSVOA_Y
ClientSampleId :

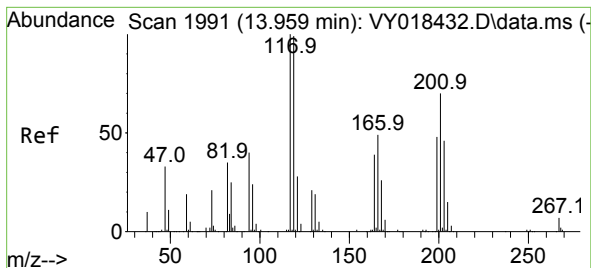
Tgt Ion: 75 Resp: 1136
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 8.761 ug/l
RT: 12.392 min Scan# 1734
Delta R.T. 0.018 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

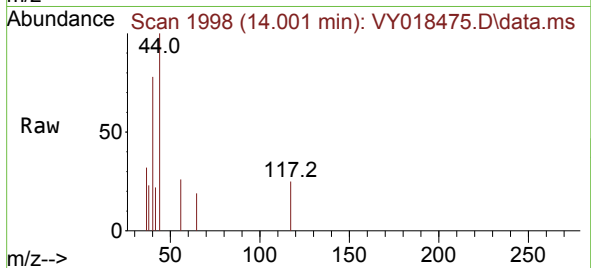
Tgt Ion: 75 Resp: 59
Ion Ratio Lower Upper
75 100
53 47.5 66.8 100.2#
89 0.0 35.8 53.6#



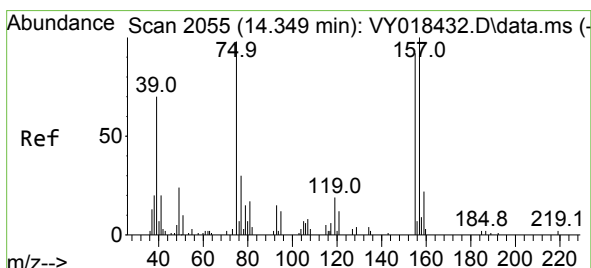
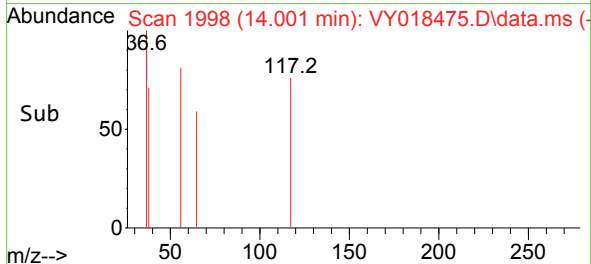
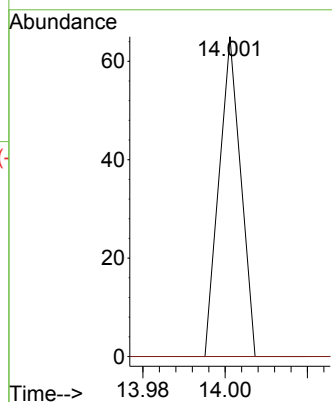


#90
Hexachloroethane
Concen: 1.270 ug/l
RT: 14.001 min Scan# 1998
Delta R.T. 0.043 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:117 Resp: 24
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.658 ug/l
RT: 14.215 min Scan# 2033
Delta R.T. -0.134 min
Lab File: VY018475.D
Acq: 04 Jun 2024 19:49

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

