

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060624\
 Data File : VY018515.D
 Acq On : 06 Jun 2024 19:19
 Operator : SY/MD
 Sample : P2707-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 02:31:49 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)

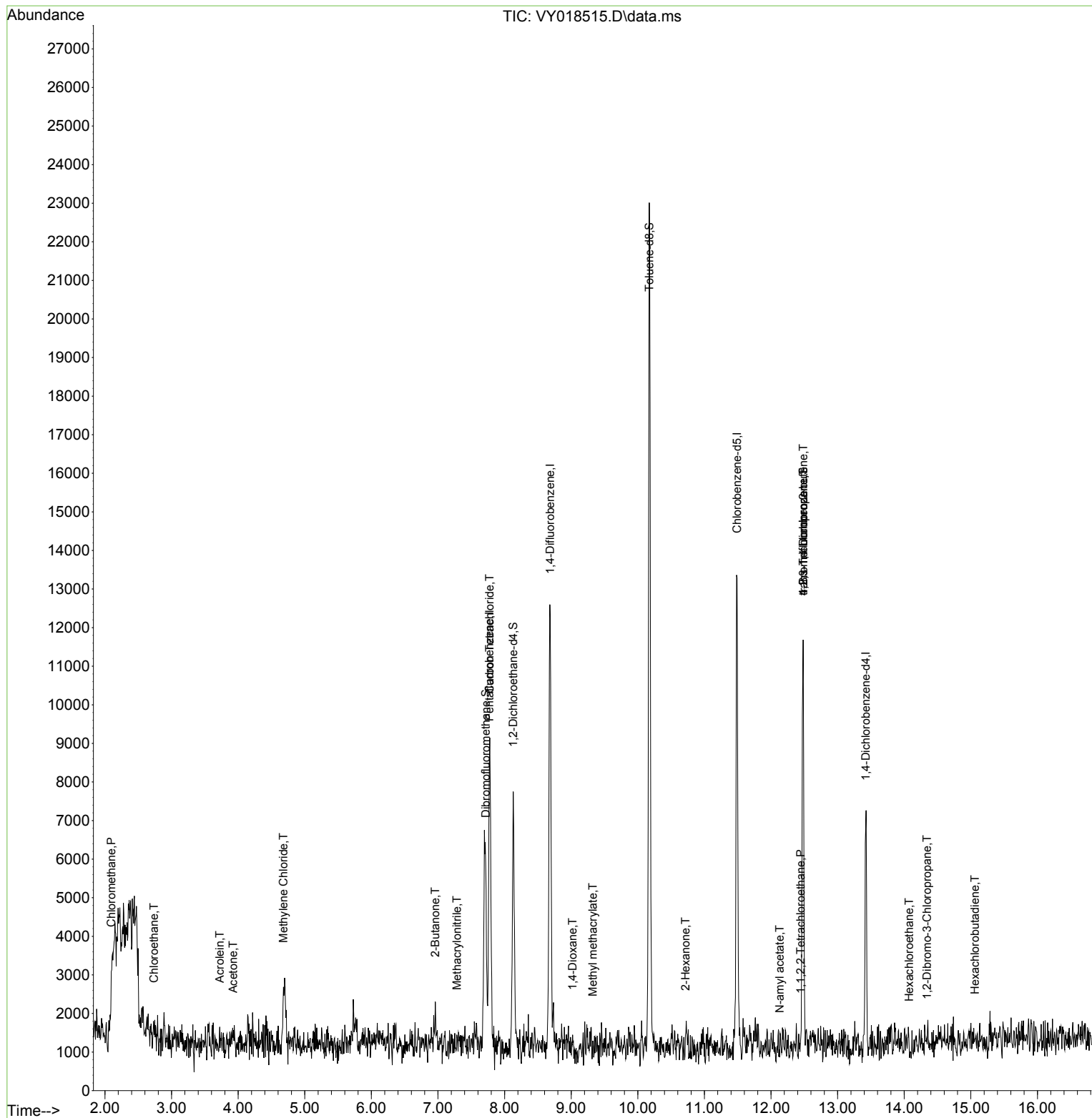
Internal Standards						
1) Pentafluorobenzene	7.771	168	5310	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.685	114	9212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6160	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	4234	40.602	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.200%		
35) Dibromofluoromethane	7.716	113	3938	33.712	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	67.420%		
50) Toluene-d8	10.173	98	14219	30.597	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	61.200%		
62) 4-Bromofluorobenzene	12.483	95	3167	21.888	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	43.780%		
Target Compounds					Qvalue	
3) Chloromethane	2.095	50	244	1.551	ug/l #	43
6) Chloroethane	2.735	64	120	1.010	ug/l #	42
11) Tert butyl alcohol	4.850	59	61	Below Cal	#	1
13) Acrolein	3.722	56	19	1.780	ug/l #	15
16) Acetone	3.924	43	71	3.068	ug/l #	36
20) Methylene Chloride	4.680	84	516	1.130	ug/l #	79
25) 2-Butanone	6.960	43	114	3.215	ug/l #	41
38) Carbon Tetrachloride	7.777	117	507	2.841	ug/l #	13
41) Methacrylonitrile	7.283	41	141	3.258	ug/l #	34
48) Methyl methacrylate	9.325	41	126	1.646	ug/l #	1
49) 1,4-Dioxane	9.020	88	48	52.235	ug/l #	20
59) 2-Hexanone	10.715	43	70	1.173	ug/l	61
74) N-amyl acetate	12.130	43	61	1.890	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.447	83	54	2.313	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	1742	109.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1742	229.684	ug/l #	17
90) Hexachloroethane	14.074	117	48	2.256	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.343	75	56	15.765	ug/l #	1
94) Hexachlorobutadiene	15.062	225	20	1.441	ug/l #	19

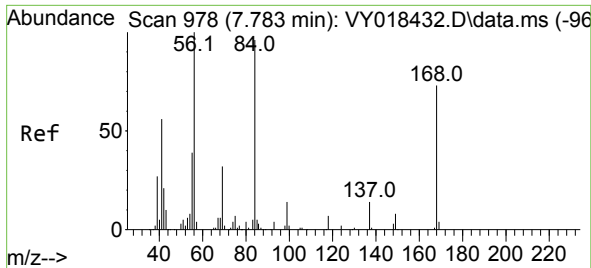
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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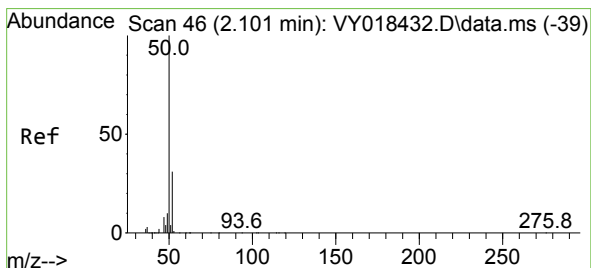
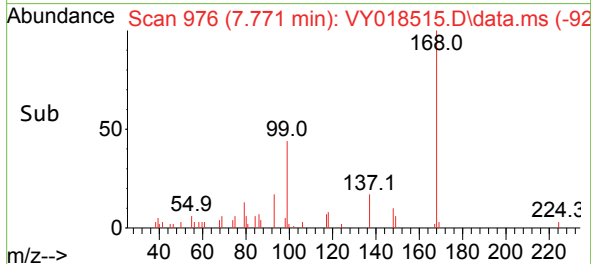
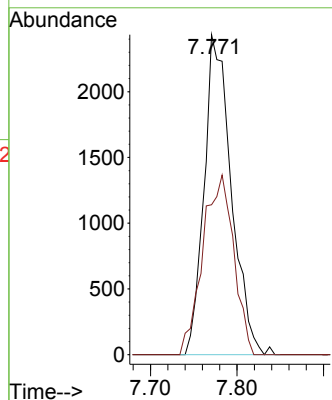
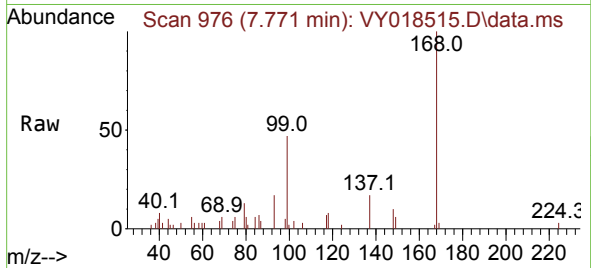




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

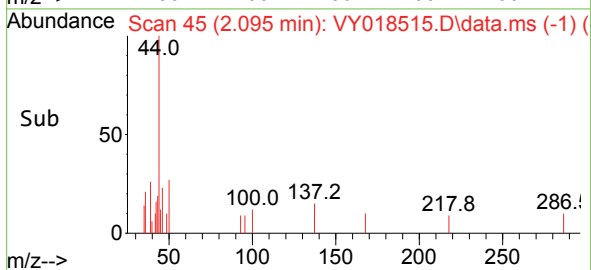
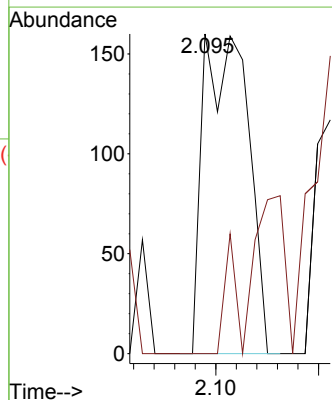
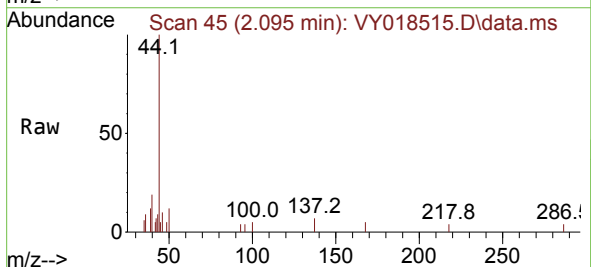
Instrument :
MSVOA_Y
ClientSampleId :

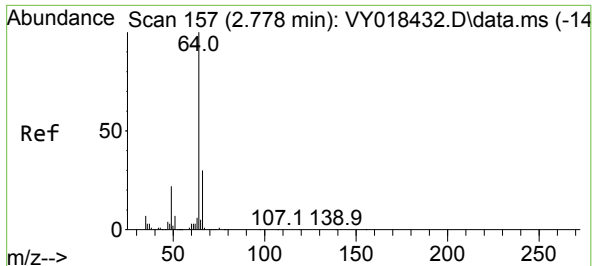
Tgt Ion:168 Resp: 5310
Ion Ratio Lower Upper
168 100
99 46.8 39.1 58.7



#3
Chloromethane
Concen: 1.551 ug/l
RT: 2.095 min Scan# 45
Delta R.T. -0.006 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

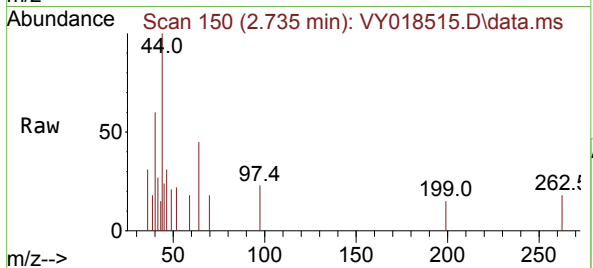
Tgt Ion: 50 Resp: 244
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



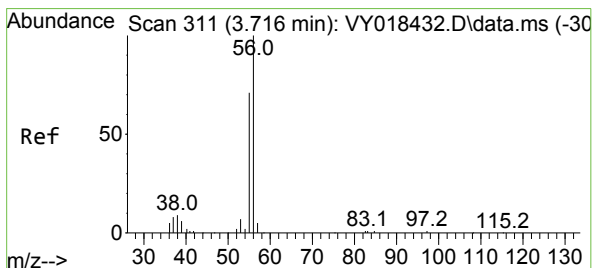
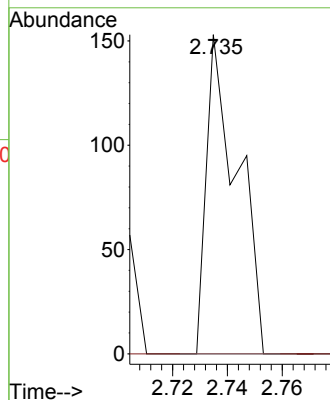
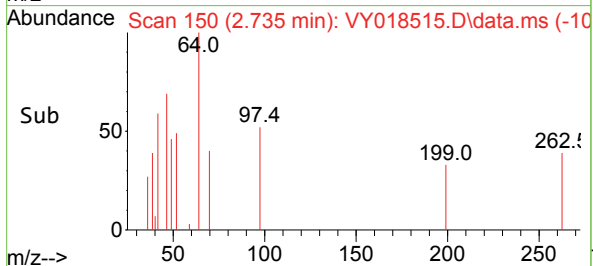


#6
Chloroethane
Concen: 1.010 ug/l
RT: 2.735 min Scan# 11
Delta R.T. -0.043 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

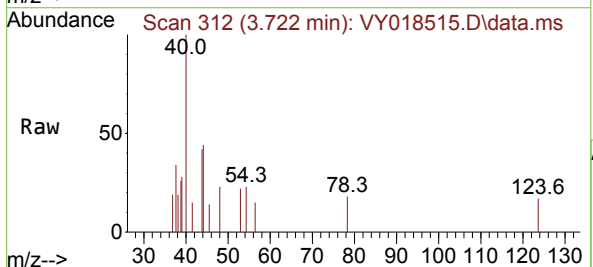
Instrument :
MSVOA_Y
ClientSampleId :



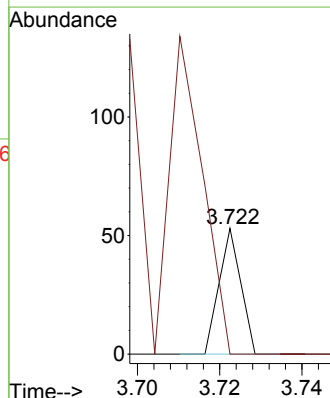
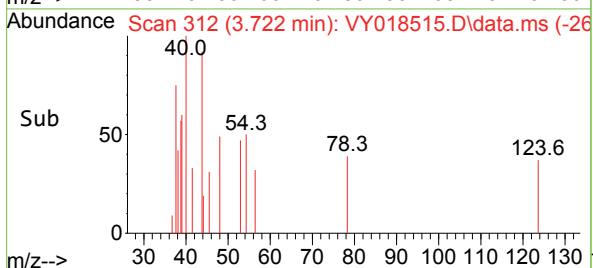
Tgt Ion: 64 Resp: 120
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#

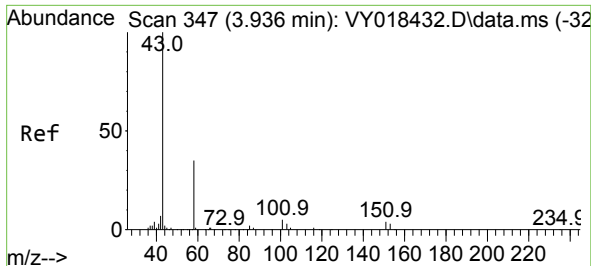


#13
Acrolein
Concen: 1.780 ug/l
RT: 3.722 min Scan# 312
Delta R.T. 0.006 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19



Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#

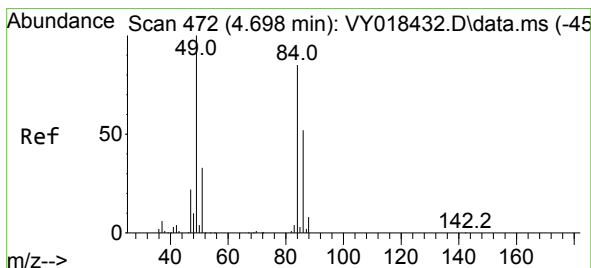
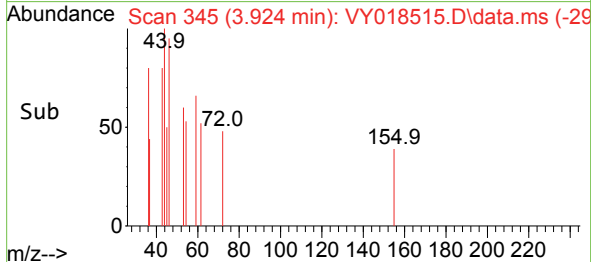
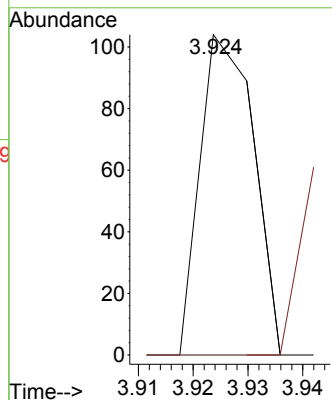
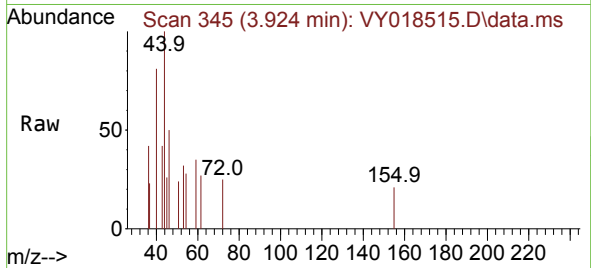




#16
Acetone
Concen: 3.068 ug/l
RT: 3.924 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

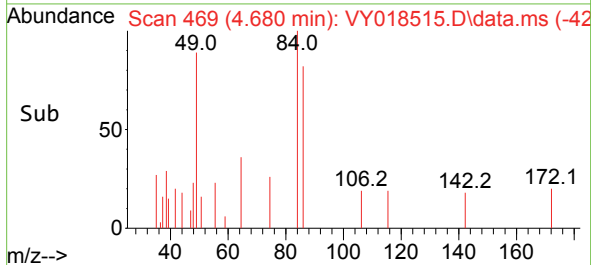
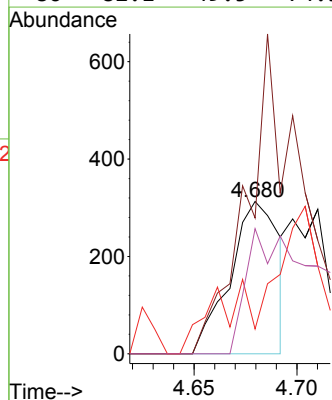
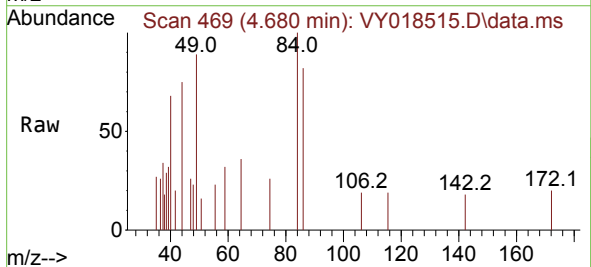
Instrument :
MSVOA_Y
ClientSampleId :

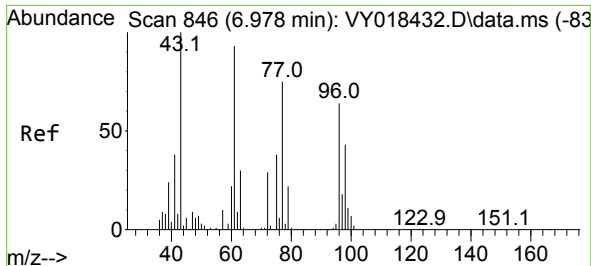
Tgt Ion: 43 Resp: 71
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 1.130 ug/l
RT: 4.680 min Scan# 469
Delta R.T. -0.018 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 84 Resp: 516
Ion Ratio Lower Upper
84 100
49 89.1 84.4 126.6
51 16.3 26.0 39.0#
86 82.1 49.5 74.3#

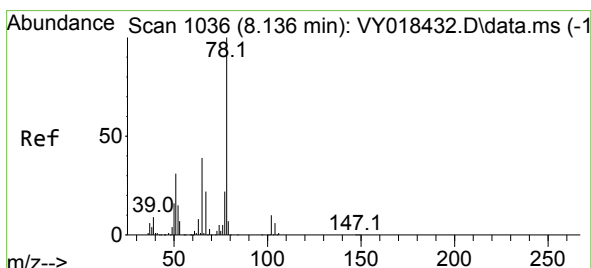
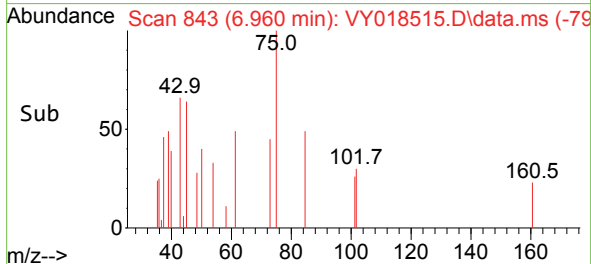
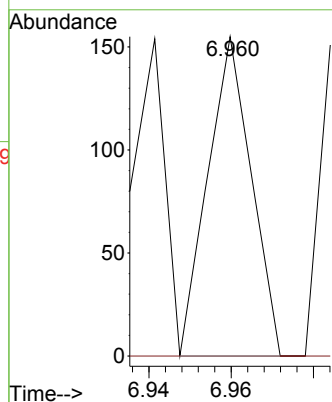
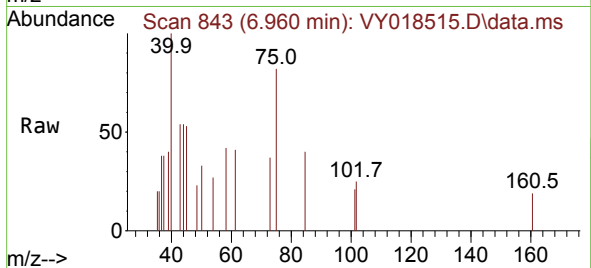




#25
2-Butanone
Concen: 3.215 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

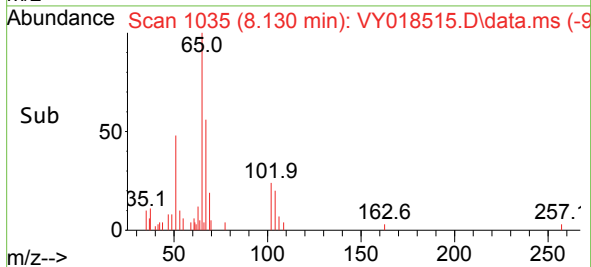
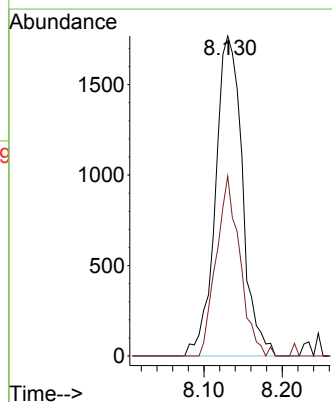
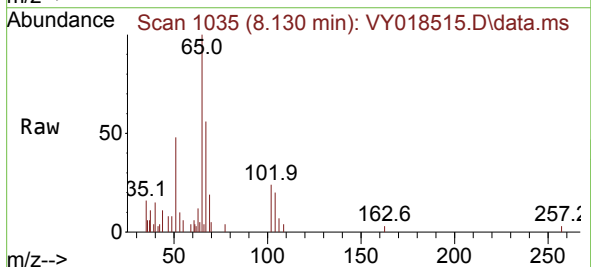
Instrument :
MSVOA_Y
ClientSampleId :

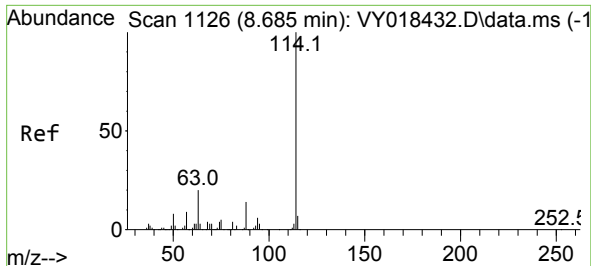
Tgt Ion: 43 Resp: 114
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#33
1,2-Dichloroethane-d4
Concen: 40.602 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 65 Resp: 4234
Ion Ratio Lower Upper
65 100
67 49.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY018515.D

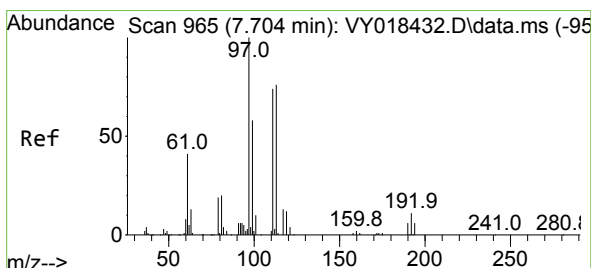
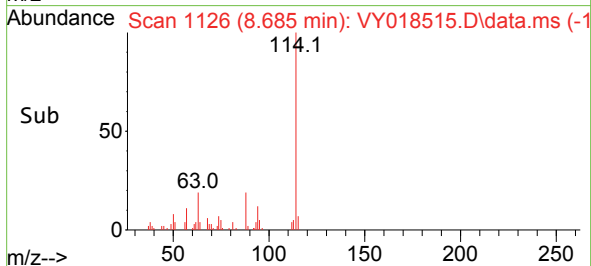
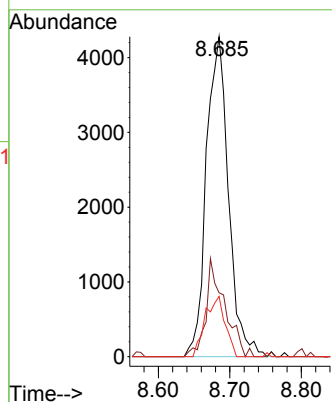
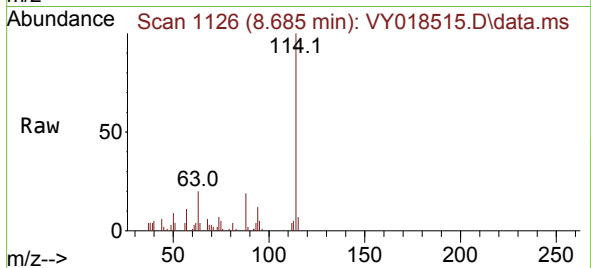
Acq: 06 Jun 2024 19:19

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp:	9212
Ion Ratio	Lower	Upper
114	100	
63	20.0	0.0 35.0
88	18.9	0.0 27.2



#35

Dibromofluoromethane

Concen: 33.712 ug/l

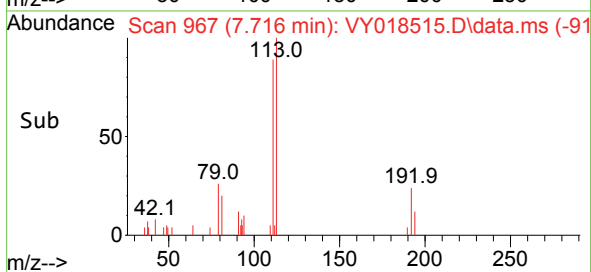
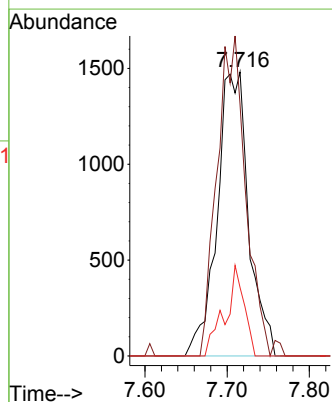
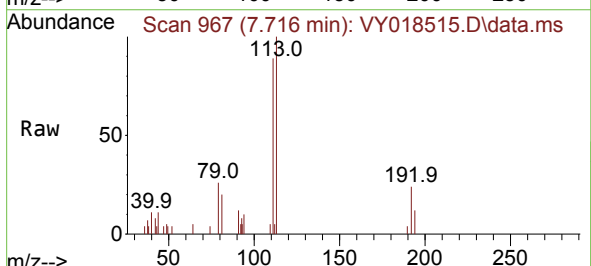
RT: 7.716 min Scan# 967

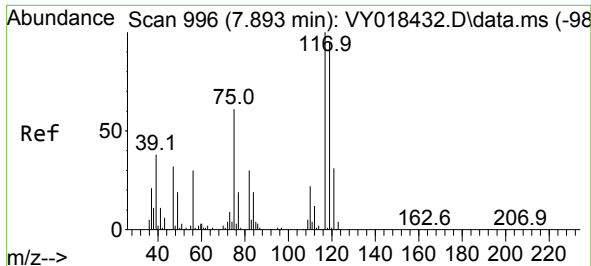
Delta R.T. 0.012 min

Lab File: VY018515.D

Acq: 06 Jun 2024 19:19

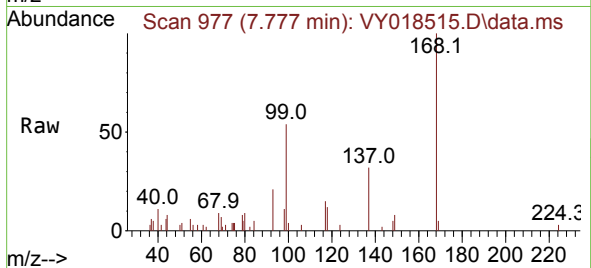
Tgt Ion:113	Resp:	3938
Ion Ratio	Lower	Upper
113	100	
111	102.5	82.2 123.4
192	19.4	15.9 23.9



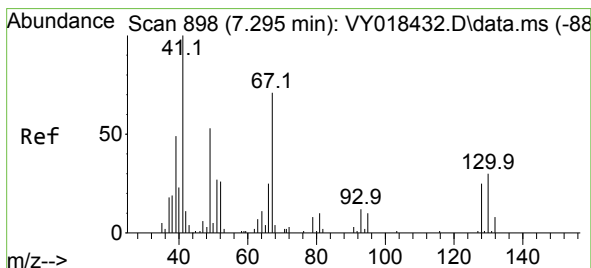
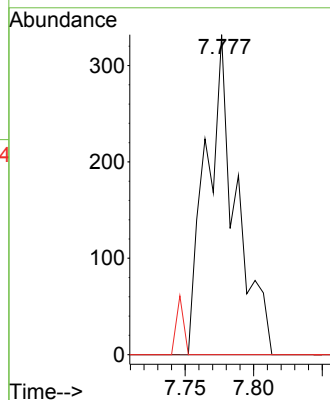
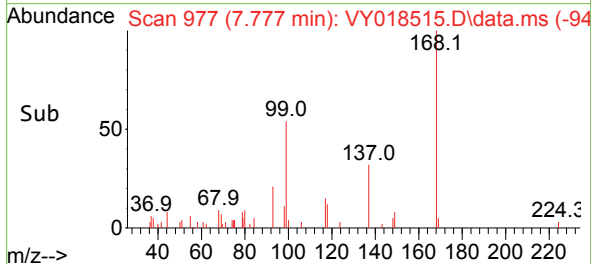


#38
Carbon Tetrachloride
Concen: 2.841 ug/l
RT: 7.777 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Instrument :
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ClientSampleId :

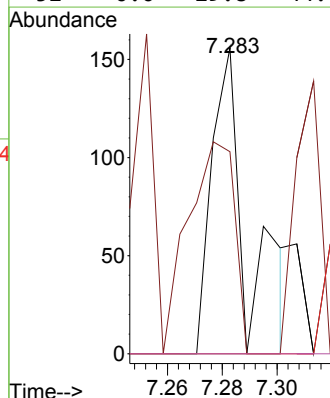
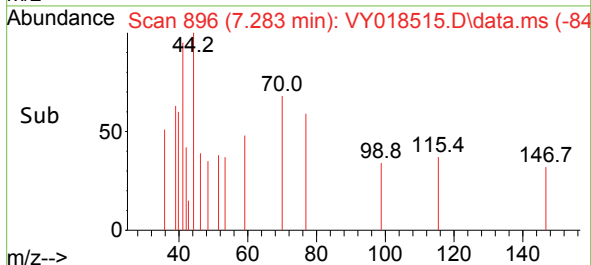
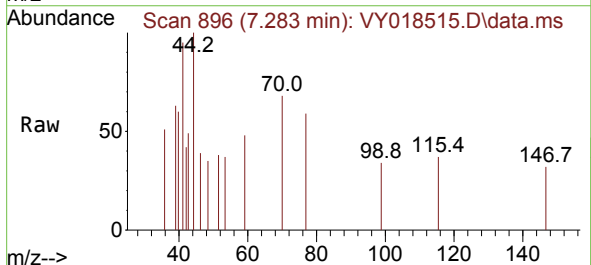


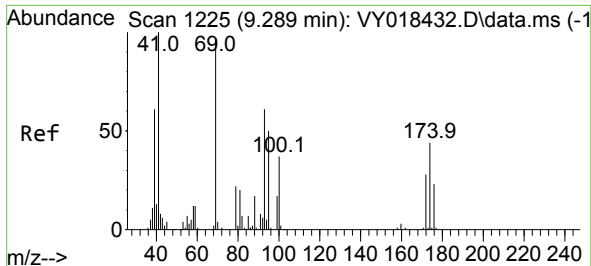
Tgt Ion:117 Resp: 507
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#41
Methacrylonitrile
Concen: 3.258 ug/l
RT: 7.283 min Scan# 896
Delta R.T. -0.012 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 41 Resp: 141
Ion Ratio Lower Upper
41 100
39 74.5 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#

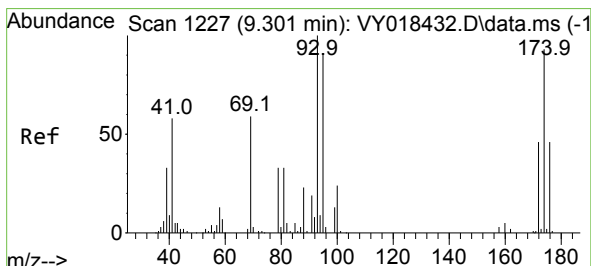
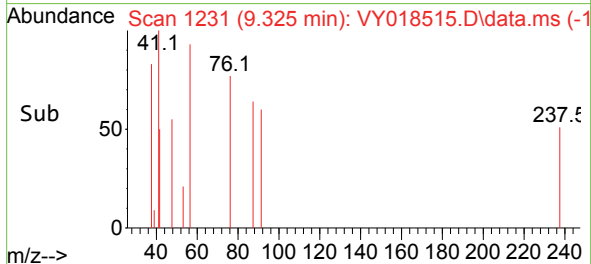
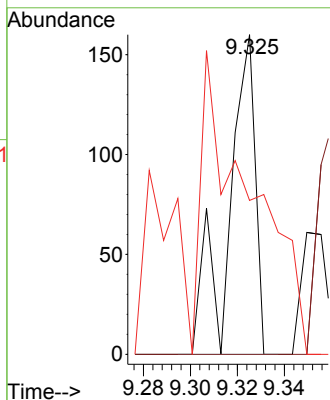
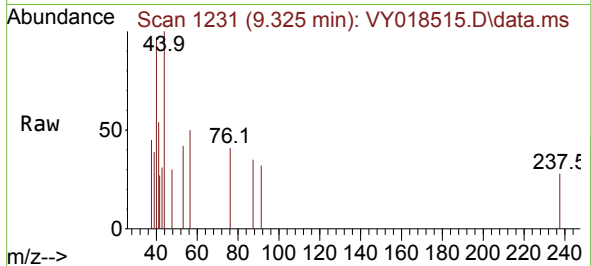




#48
Methyl methacrylate
Concen: 1.646 ug/l
RT: 9.325 min Scan# 1181
Delta R.T. 0.037 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

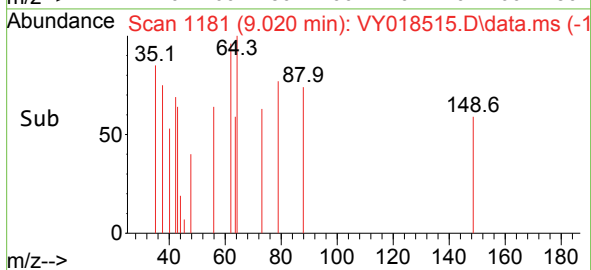
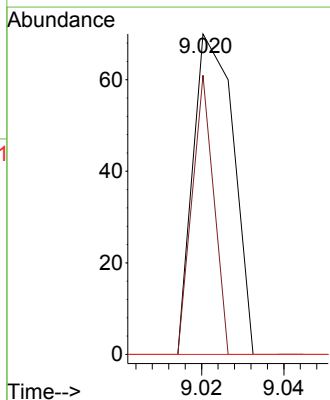
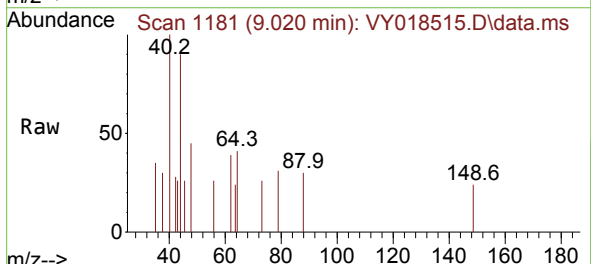
Instrument :
MSVOA_Y
ClientSampleId :

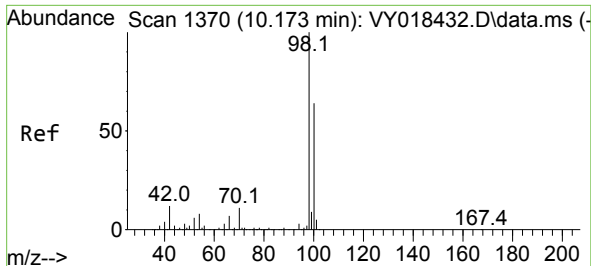
Tgt Ion: 41 Resp: 126
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 175.4 43.6 65.4#



#49
1,4-Dioxane
Concen: 52.235 ug/l
RT: 9.020 min Scan# 1181
Delta R.T. -0.281 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 88 Resp: 48
Ion Ratio Lower Upper
88 100
43 45.8 0.0 0.0#
58 0.0 49.3 73.9#

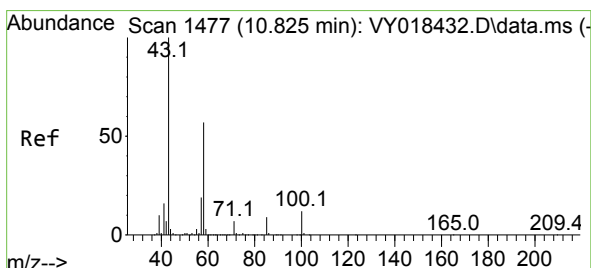
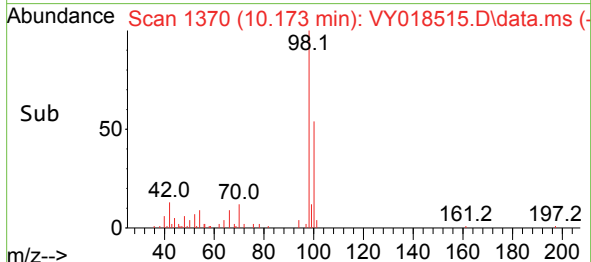
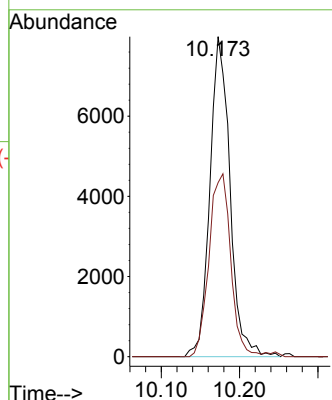
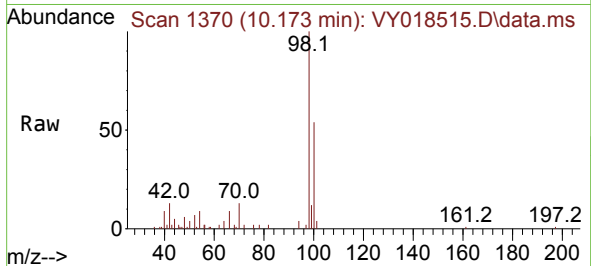




#50
Toluene-d8
Concen: 30.597 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

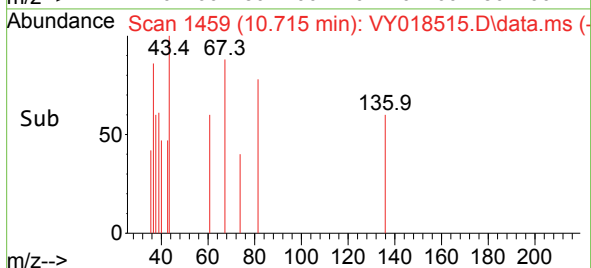
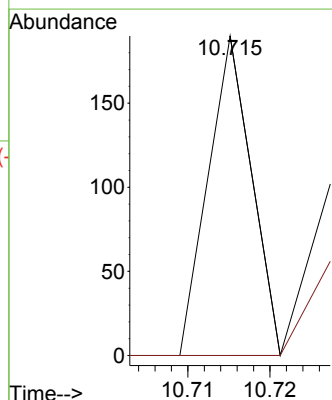
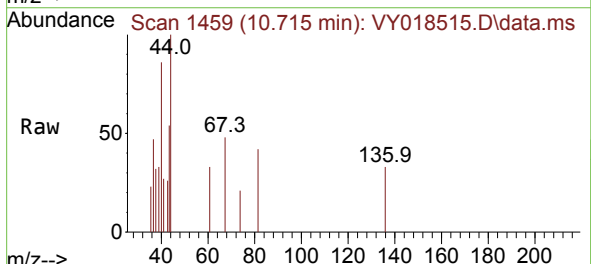
Instrument :
MSVOA_Y
ClientSampleId :

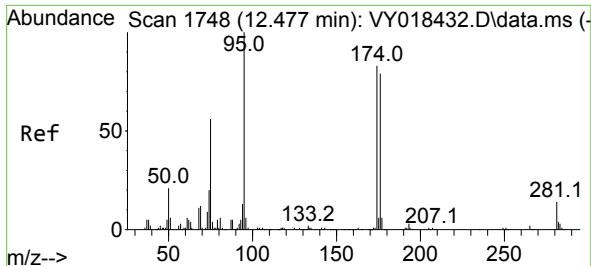
Tgt Ion: 98 Resp: 14219
Ion Ratio Lower Upper
98 100
100 61.7 52.0 78.0



#59
2-Hexanone
Concen: 1.173 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.110 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 43 Resp: 70
Ion Ratio Lower Upper
43 100
58 92.9 31.4 94.0

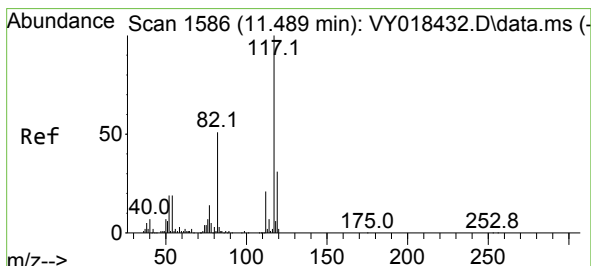
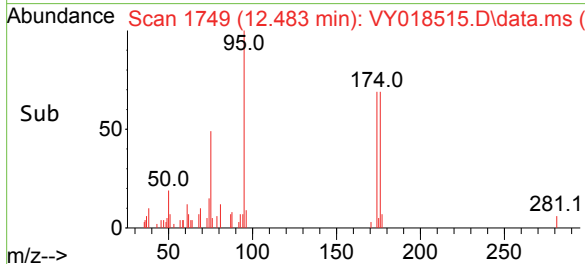
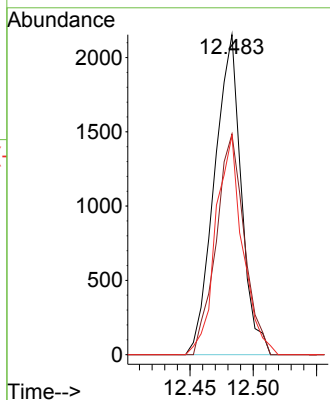
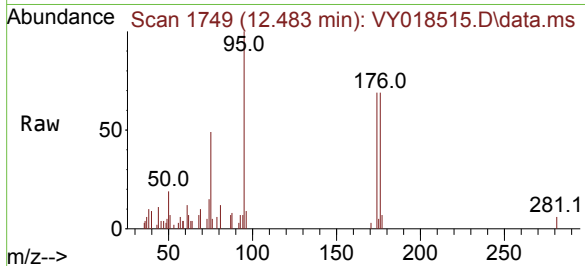




#62
4-Bromofluorobenzene
Concen: 21.888 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

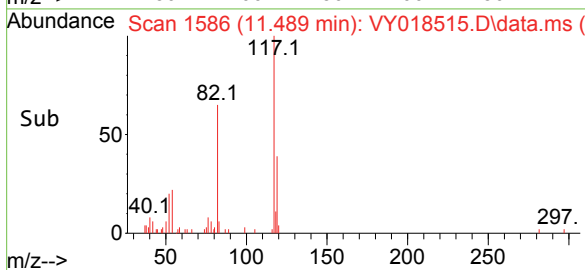
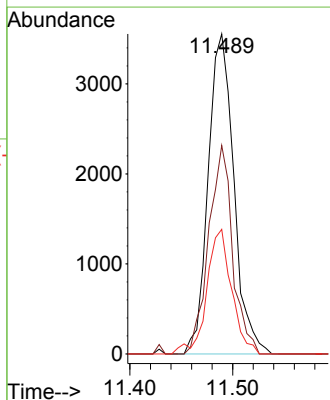
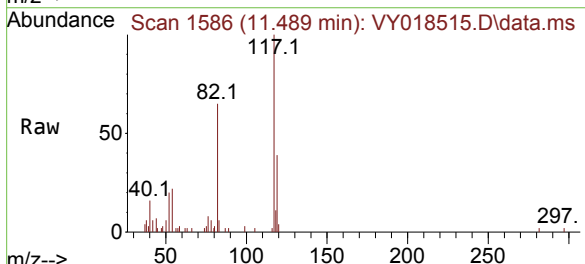
Instrument :
MSVOA_Y
ClientSampleId :

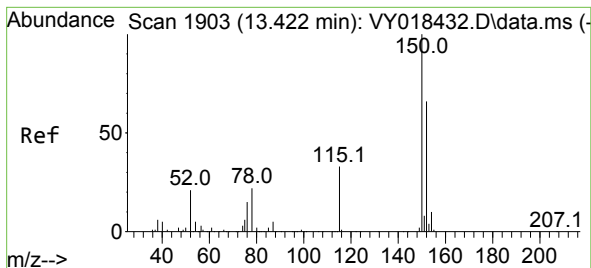
Tgt Ion: 95 Resp: 3167
Ion Ratio Lower Upper
95 100
174 72.6 0.0 175.6
176 69.1 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

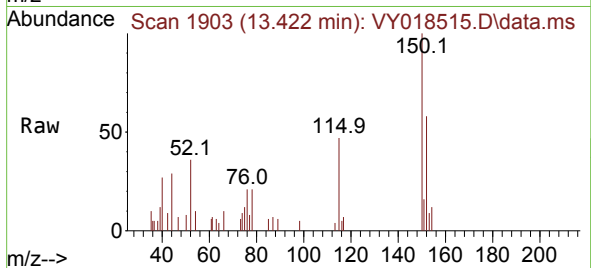
Tgt Ion: 117 Resp: 6160
Ion Ratio Lower Upper
117 100
82 65.1 42.4 63.6#
119 38.9 25.9 38.9#



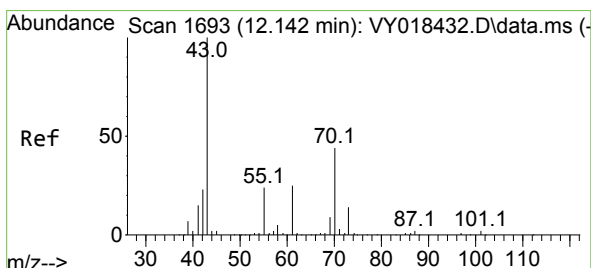
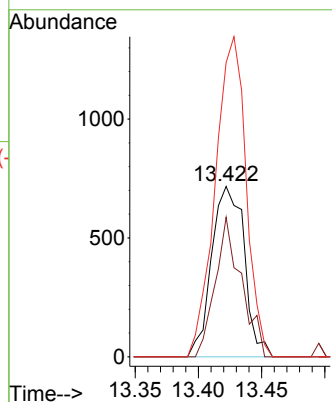
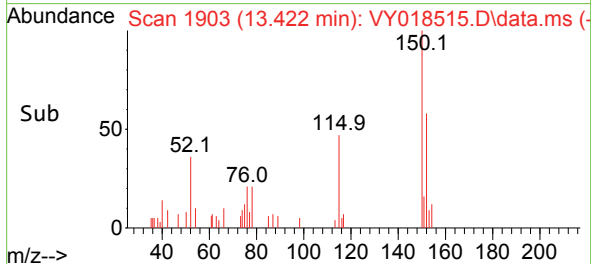


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

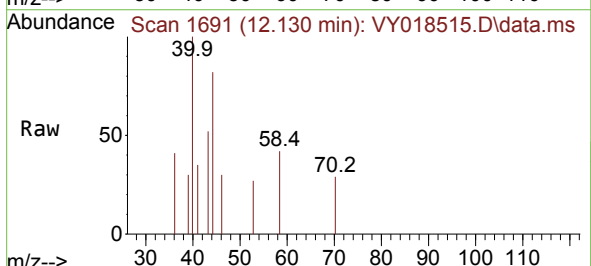
Instrument :
MSVOA_Y
ClientSampleId :



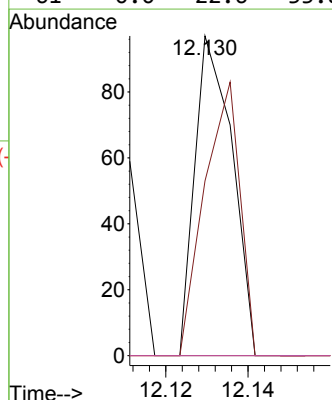
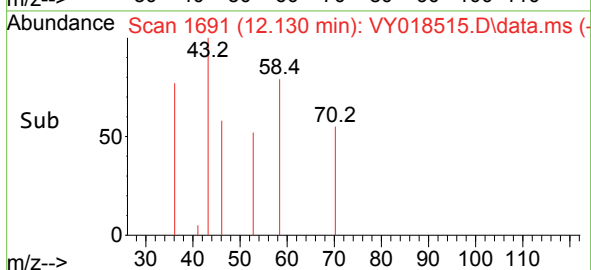
Tgt Ion:152 Resp: 1285
Ion Ratio Lower Upper
152 100
115 65.4 28.2 84.7
150 177.3 0.0 345.6

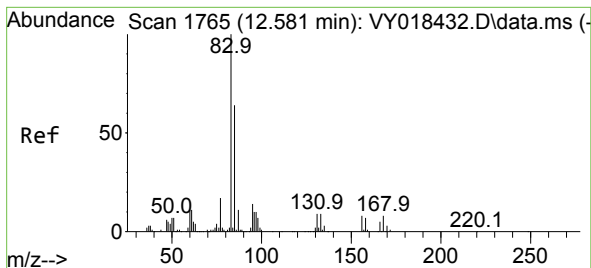


#74
N-ethyl acetate
Concen: 1.890 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19



Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
70 82.0 41.4 62.2#
55 0.0 23.3 34.9#
61 0.0 22.6 33.8#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.313 ug/l

RT: 12.447 min Scan# 1743

Delta R.T. -0.134 min

Lab File: VY018515.D

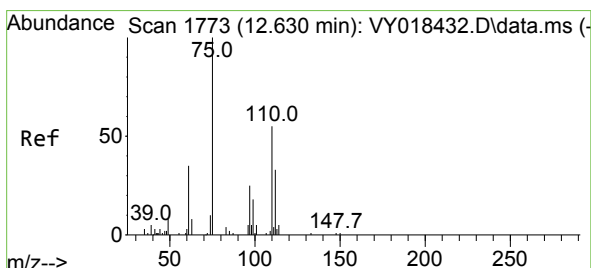
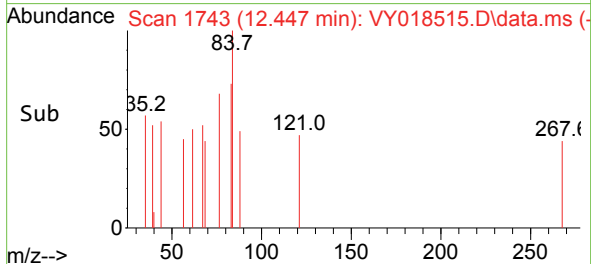
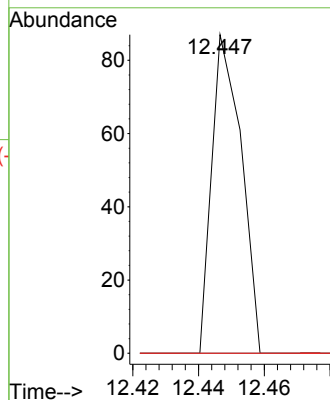
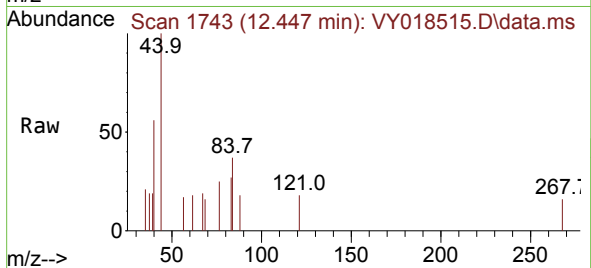
Acq: 06 Jun 2024 19:19

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 83	Resp:	54
Ion Ratio	Lower	Upper
83	100	
131	0.0	5.0 14.9#
85	0.0	32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 109.325 ug/l

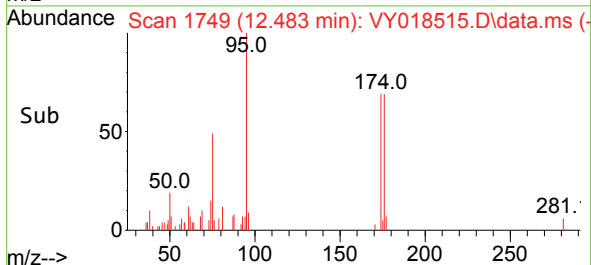
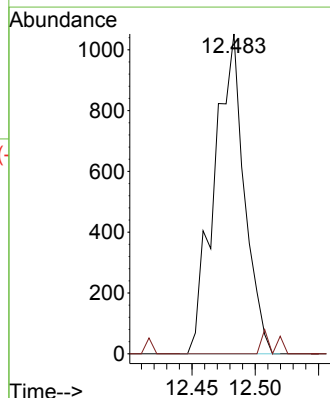
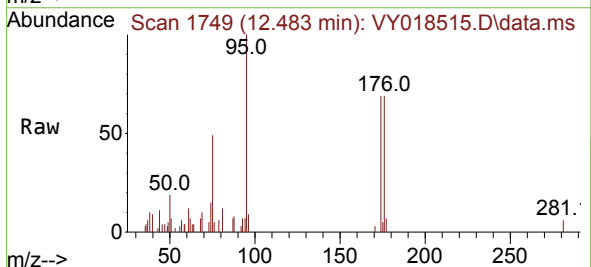
RT: 12.483 min Scan# 1749

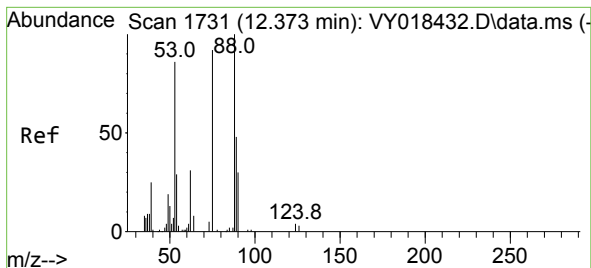
Delta R.T. -0.146 min

Lab File: VY018515.D

Acq: 06 Jun 2024 19:19

Tgt Ion: 75	Resp:	1742
Ion Ratio	Lower	Upper
75	100	
77	0.0	0.0 0.0

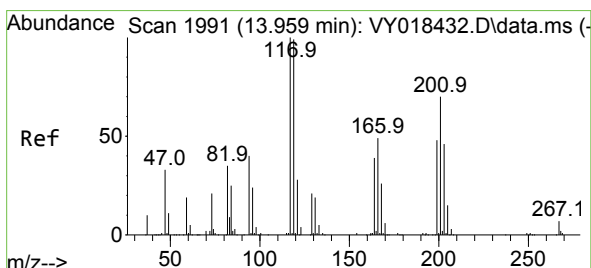
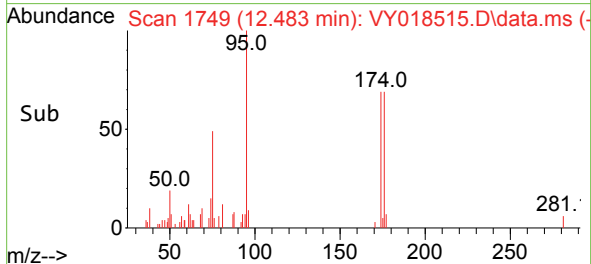
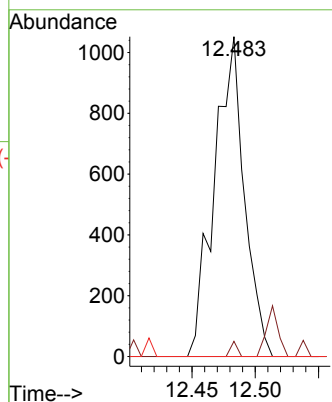
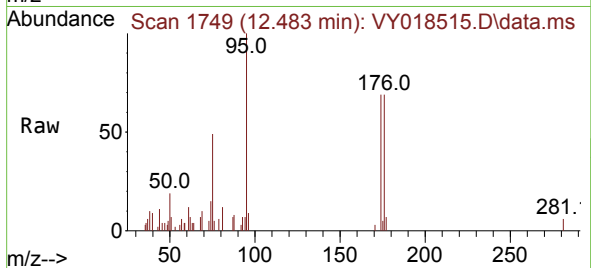




#81
trans-1,4-Dichloro-2-butene
Concen: 229.684 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

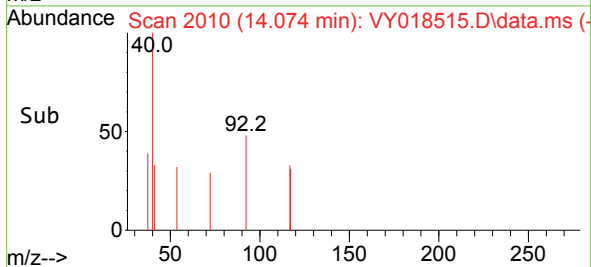
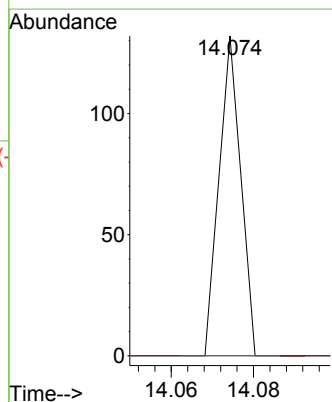
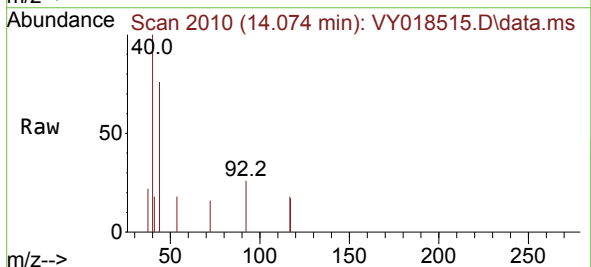
Instrument :
MSVOA_Y
ClientSampleId :

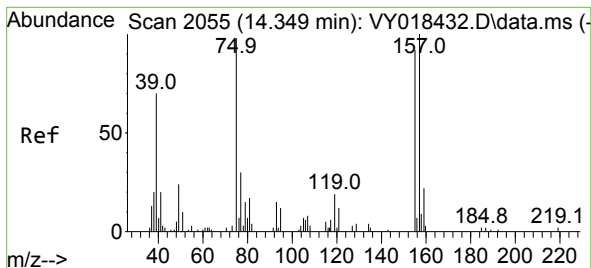
Tgt Ion: 75 Resp: 1742
Ion Ratio Lower Upper
75 100
53 1.0 66.8 100.2#
89 0.0 35.8 53.6#



#90
Hexachloroethane
Concen: 2.256 ug/l
RT: 14.074 min Scan# 2010
Delta R.T. 0.116 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

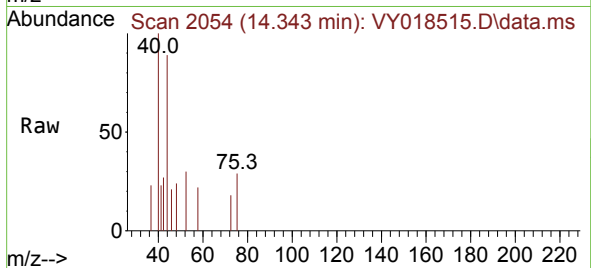
Tgt Ion: 117 Resp: 48
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



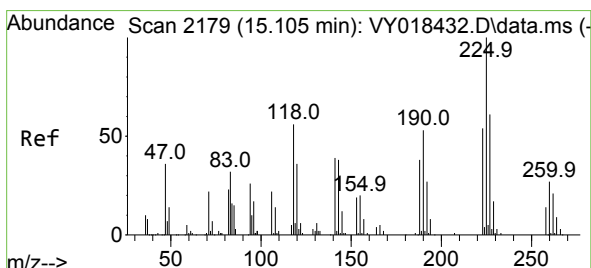
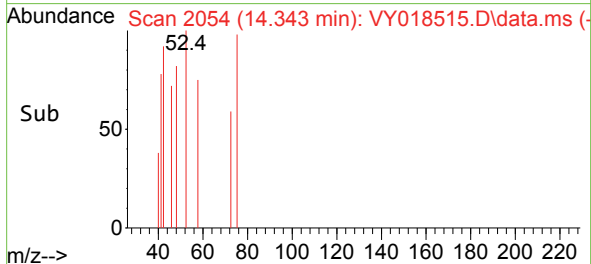
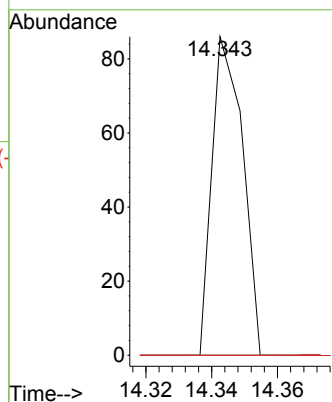


#92
1,2-Dibromo-3-Chloropropane
Concen: 15.765 ug/l
RT: 14.343 min Scan# 2054
Delta R.T. -0.006 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#



#94
Hexachlorobutadiene
Concen: 1.441 ug/l
RT: 15.062 min Scan# 2172
Delta R.T. -0.043 min
Lab File: VY018515.D
Acq: 06 Jun 2024 19:19

Tgt Ion: 225 Resp: 20
Ion Ratio Lower Upper
225 100
223 0.0 30.4 91.2#
227 0.0 31.9 95.9#

