

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061924\
 Data File : VY018642.D
 Acq On : 19 Jun 2024 14:04
 Operator : SY/MD
 Sample : P2943-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 20 02:10:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 14 07:08:24 2024
 Response via : Initial Calibration

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

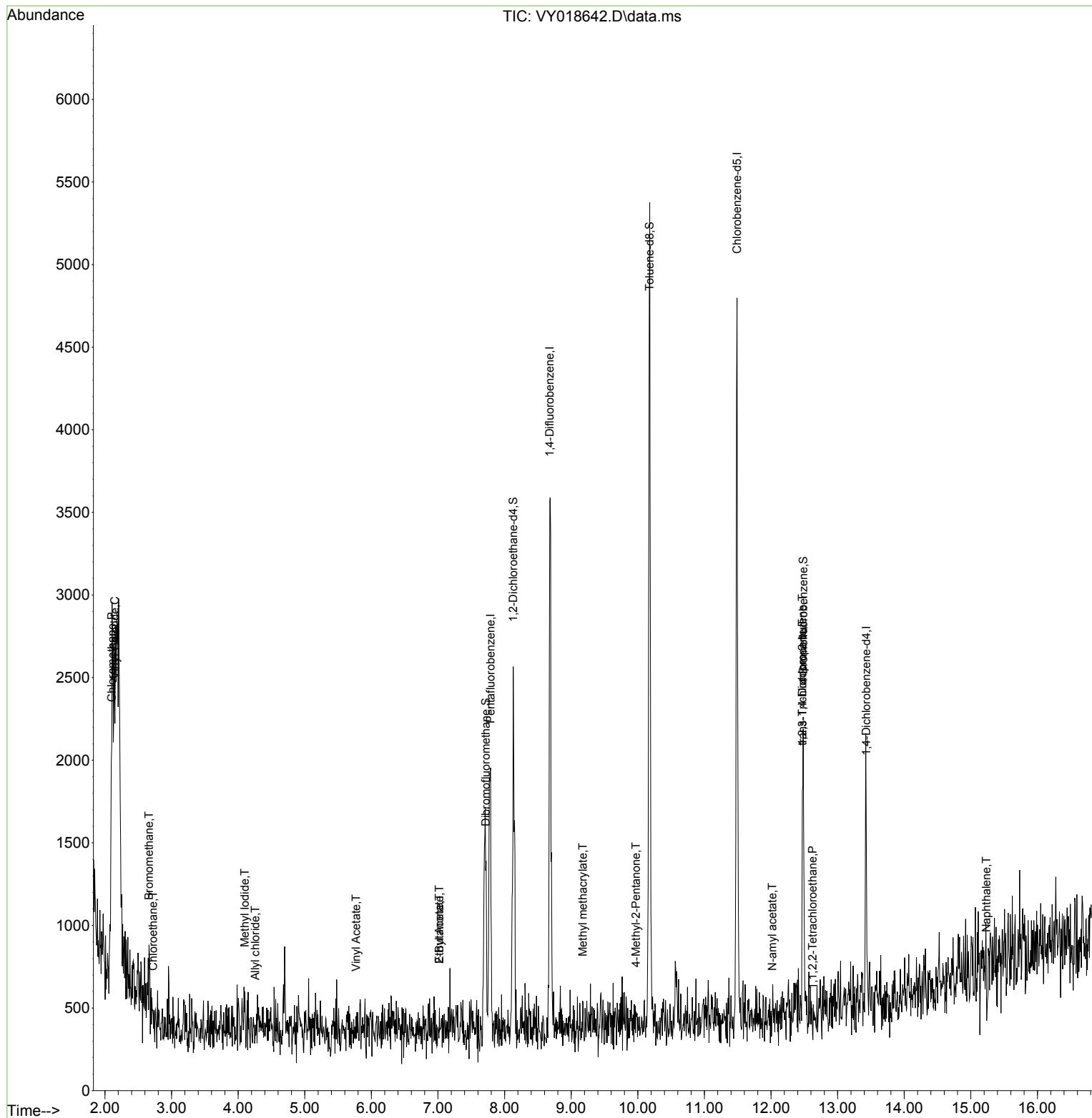
Internal Standards						
1) Pentafluorobenzene	7.789	168	1748	50.000	ug/l	# 0.01
34) 1,4-Difluorobenzene	8.679	114	3250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	2725	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	1325	75.290	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.580%	
35) Dibromofluoromethane	7.716	113	1190	60.023	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.040%	
50) Toluene-d8	10.179	98	3467	45.474	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.940%	
62) 4-Bromofluorobenzene	12.483	95	742	30.820	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 61.640%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.101	50	140	5.904	ug/l #	43
4) Vinyl Chloride	2.150	62	37	1.260	ug/l #	42
5) Bromomethane	2.662	94	235	10.767	ug/l #	54
6) Chloroethane	2.723	64	25	1.300	ug/l #	42
10) Methyl Iodide	4.100	142	169	9.036	ug/l #	75
14) Allyl chloride	4.259	41	42	1.876	ug/l #	19
20) Methylene Chloride	4.704	84	138	Below Cal	#	85
23) Vinyl Acetate	5.771	43	46	24.492	ug/l #	67
25) 2-Butanone	7.021	43	20	3.726	ug/l #	41
37) Ethyl Acetate	7.021	43	20	1.555	ug/l #	67
48) Methyl methacrylate	9.173	41	52	4.811	ug/l #	34
51) 4-Methyl-2-Pentanone	9.971	43	24	1.898	ug/l #	31
74) N-amyl acetate	12.020	43	45	7.796	ug/l #	37
75) 1,1,2,2-Tetrachloroethane	12.623	83	24	4.795	ug/l #	26
76) 1,2,3-Trichloropropane	12.471	75	459	126.766	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.471	75	459	332.047	ug/l #	16
95) Naphthalene	15.233	128	108	9.236	ug/l #	69

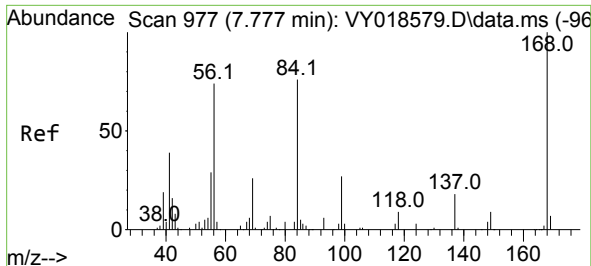
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 20 02:10:53 2024
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Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration

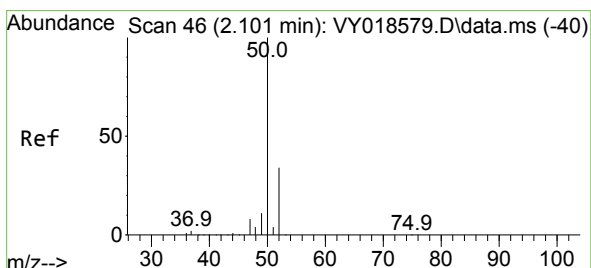
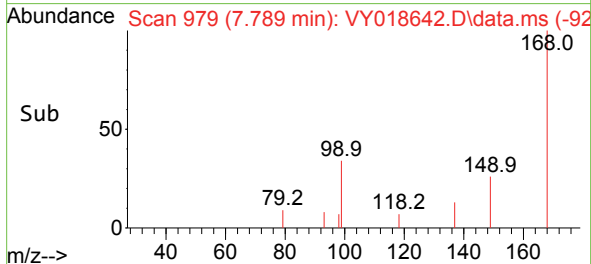
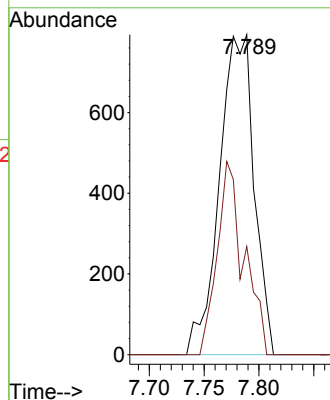
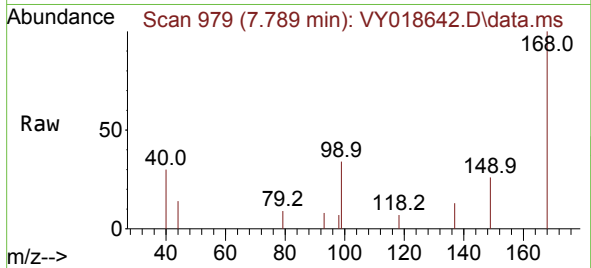




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

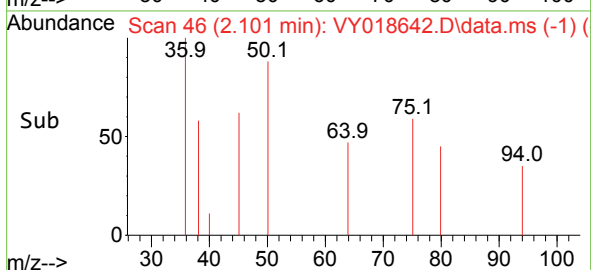
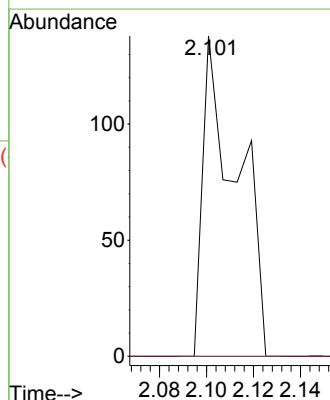
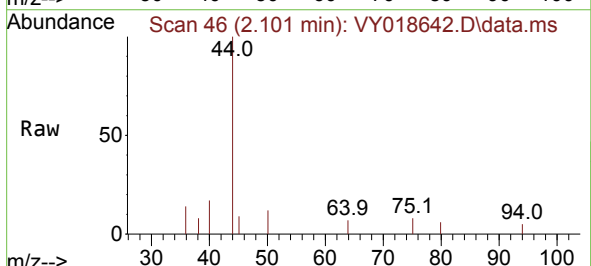
Instrument :
MSVOA_Y
ClientSampleId :

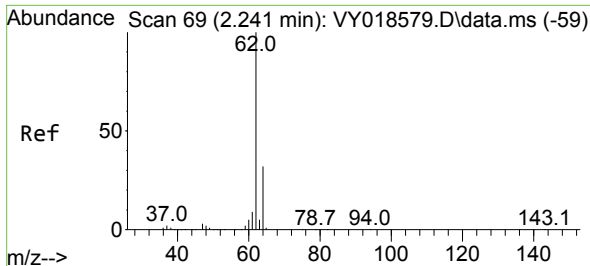
Tgt Ion:168 Resp: 1748
Ion Ratio Lower Upper
168 100
99 33.8 39.1 58.7#



#3
Chloromethane
Concen: 5.904 ug/l
RT: 2.101 min Scan# 46
Delta R.T. -0.000 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Tgt Ion: 50 Resp: 140
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

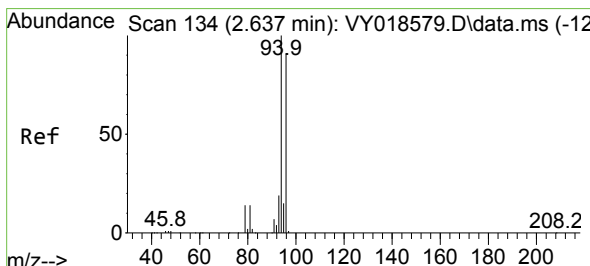
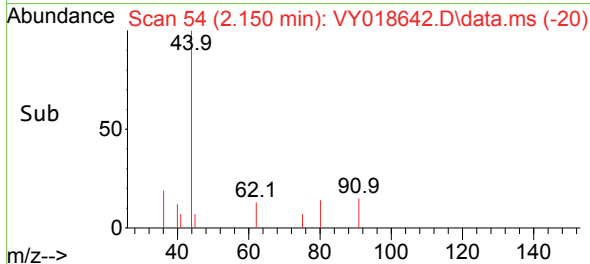
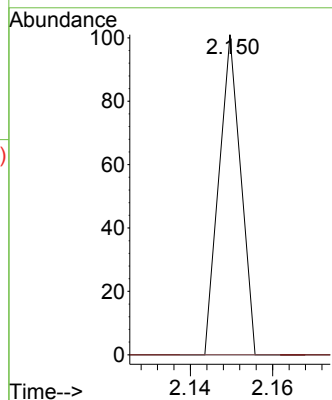
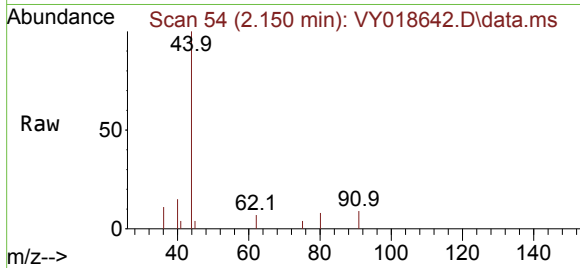




#4
 Vinyl Chloride
 Concen: 1.260 ug/l
 RT: 2.150 min Scan# 54
 Delta R.T. -0.092 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

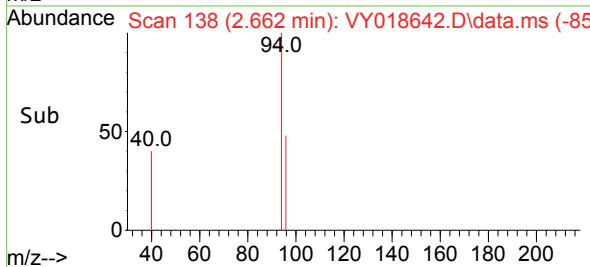
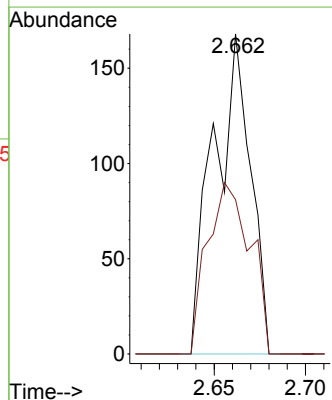
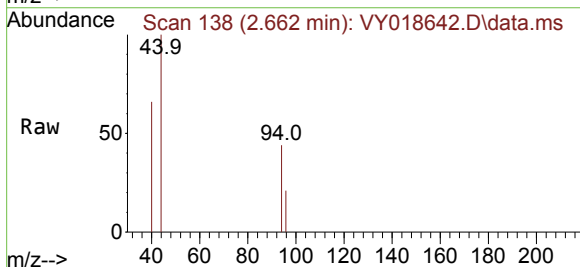
Instrument :
 MSVOA_Y
 ClientSampleId :

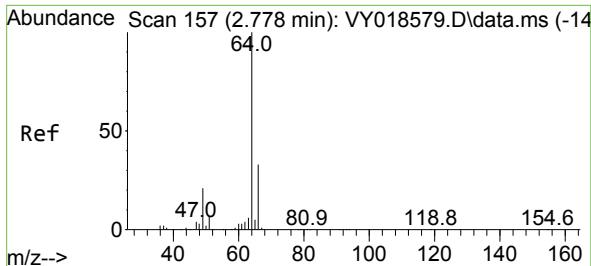
Tgt Ion: 62 Resp: 37
 Ion Ratio Lower Upper
 62 100
 64 0.0 26.1 39.1#



#5
 Bromomethane
 Concen: 10.767 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.024 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

Tgt Ion: 94 Resp: 235
 Ion Ratio Lower Upper
 94 100
 96 48.2 74.1 111.1#

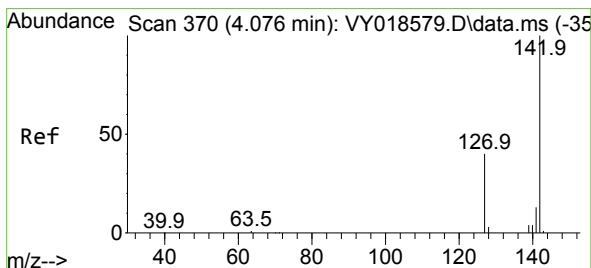
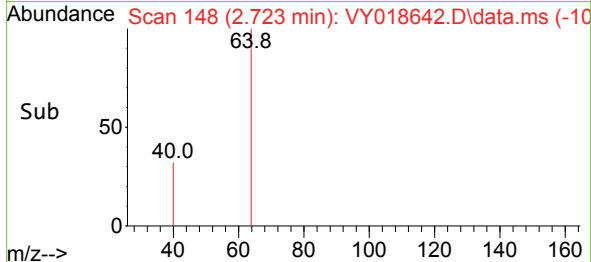
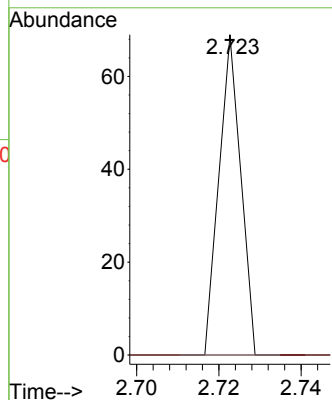
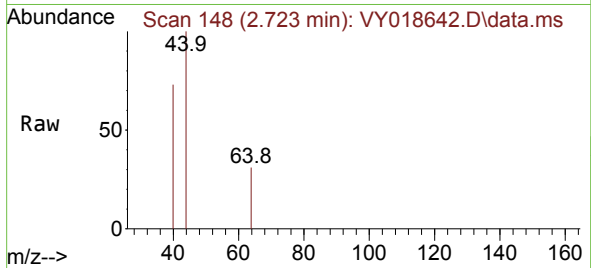




#6
Chloroethane
Concen: 1.300 ug/l
RT: 2.723 min Scan# 14
Delta R.T. -0.055 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

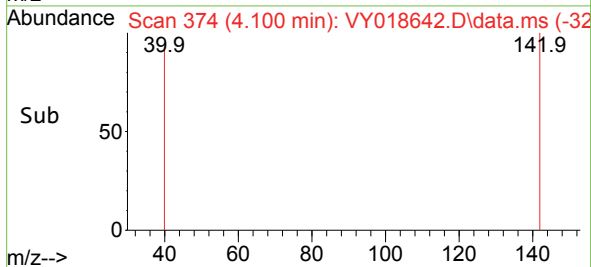
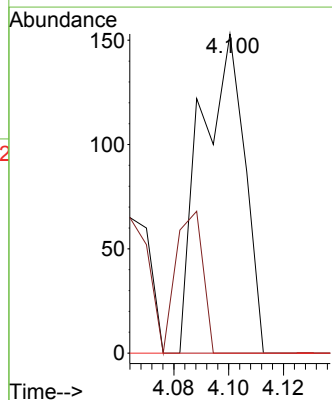
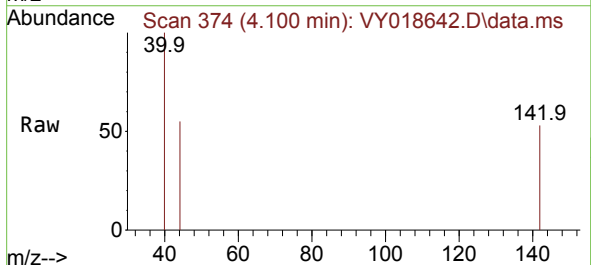
Instrument :
MSVOA_Y
ClientSampleId :

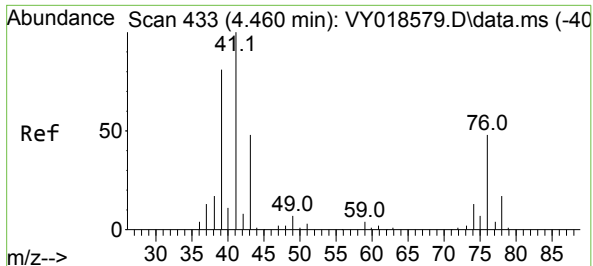
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#10
Methyl Iodide
Concen: 9.036 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.024 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

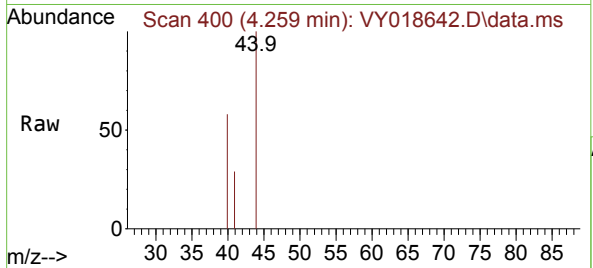
Tgt Ion: 142 Resp: 169
Ion Ratio Lower Upper
142 100
127 27.2 32.8 49.2#
141 0.0 11.4 17.2#



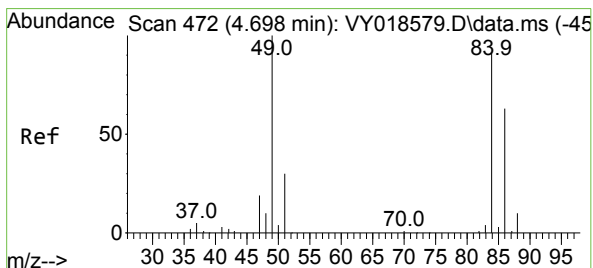
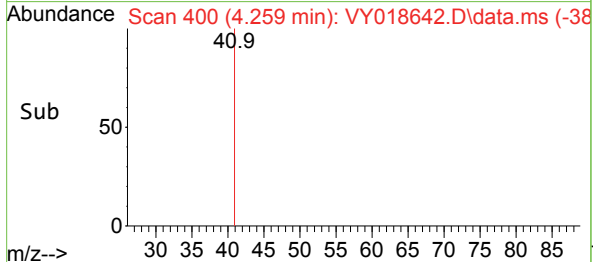
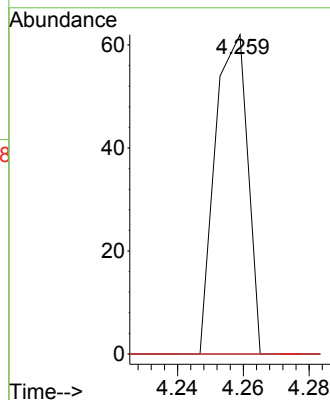


#14
 Allyl chloride
 Concen: 1.876 ug/l
 RT: 4.259 min Scan# 40
 Delta R.T. -0.201 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :

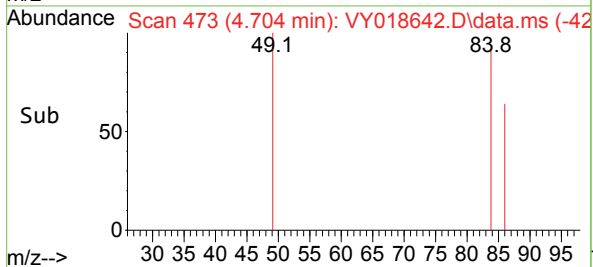
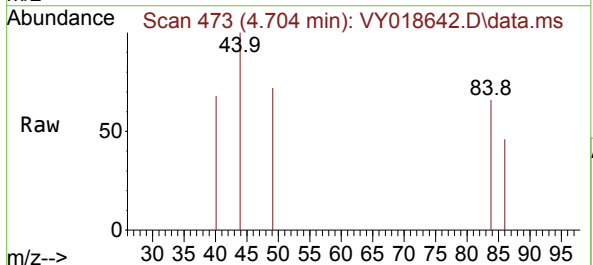
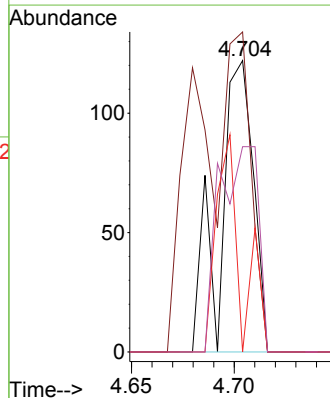


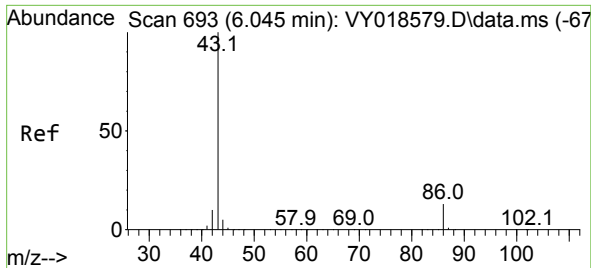
Tgt Ion: 41 Resp: 42
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.3 87.5#
 76 0.0 39.0 58.6#



#20
 Methylene Chloride
 Concen: Below Cal
 RT: 4.704 min Scan# 473
 Delta R.T. 0.006 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

Tgt Ion: 84 Resp: 138
 Ion Ratio Lower Upper
 84 100
 49 109.8 84.4 126.6
 51 0.0 26.0 39.0#
 86 70.5 49.5 74.3

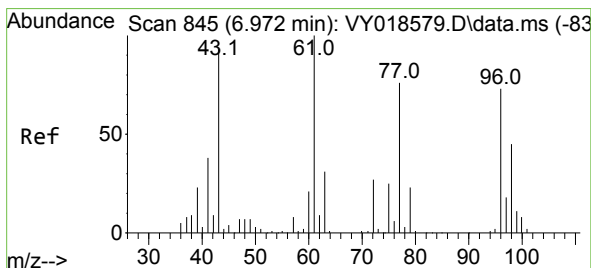
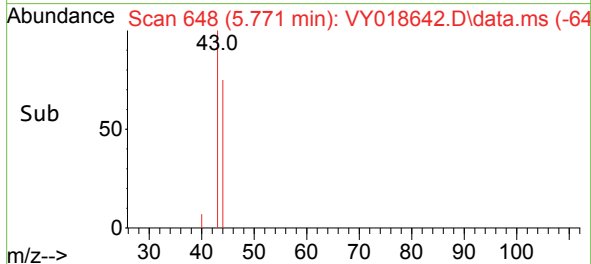
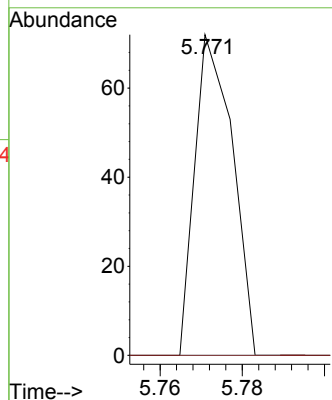
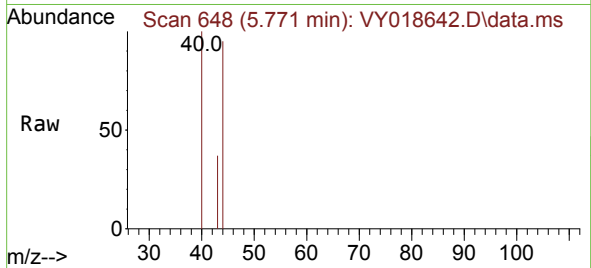




#23
Vinyl Acetate
Concen: 24.492 ug/l
RT: 5.771 min Scan# 64
Delta R.T. -0.274 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

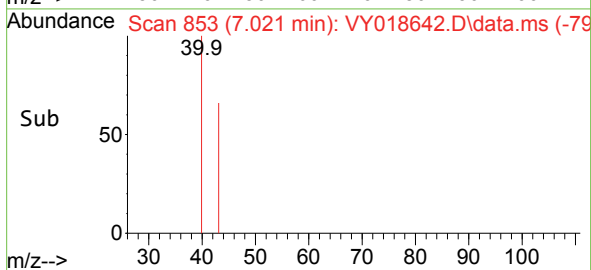
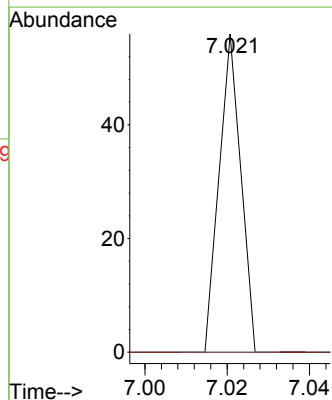
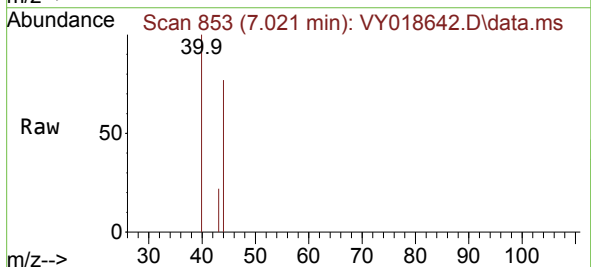
Instrument :
MSVOA_Y
ClientSampleId :

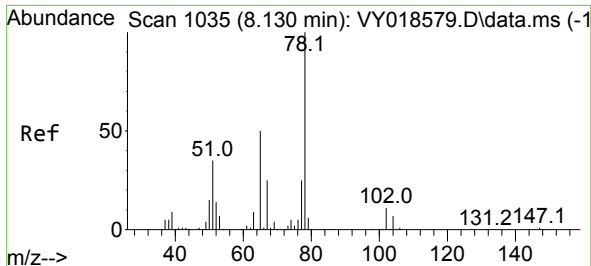
Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
86 0.0 10.6 16.0#



#25
2-Butanone
Concen: 3.726 ug/l
RT: 7.021 min Scan# 853
Delta R.T. 0.049 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#

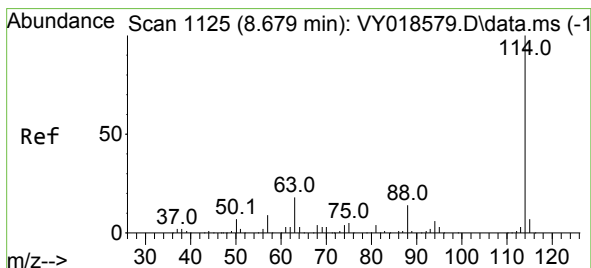
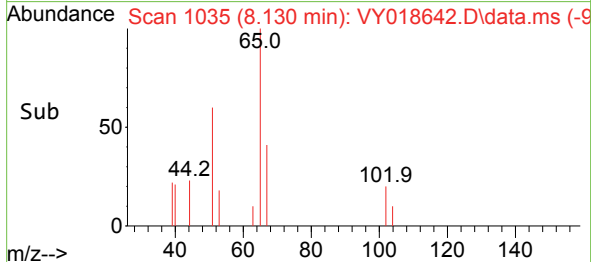
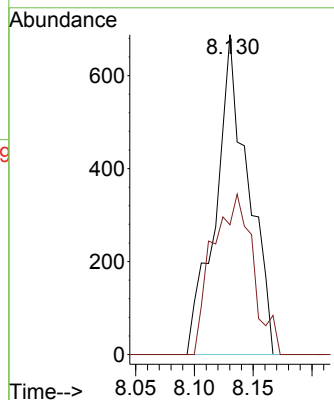
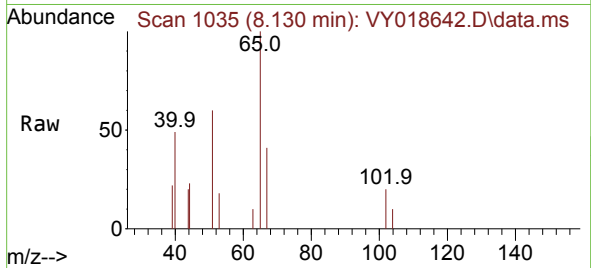




#33
1,2-Dichloroethane-d4
Concen: 75.290 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

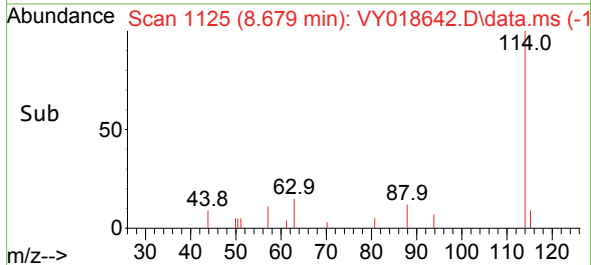
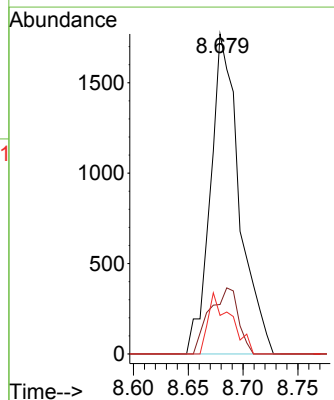
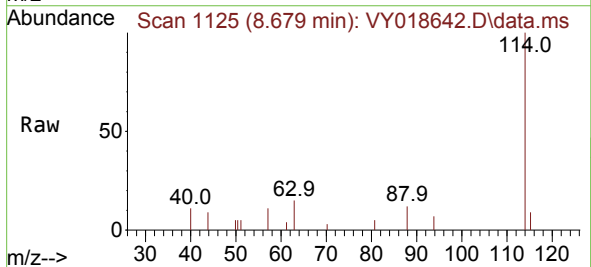
Instrument :
MSVOA_Y
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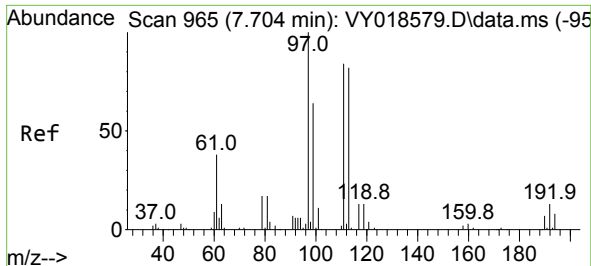
Tgt Ion: 65 Resp: 1325
Ion Ratio Lower Upper
65 100
67 62.5 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.679 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

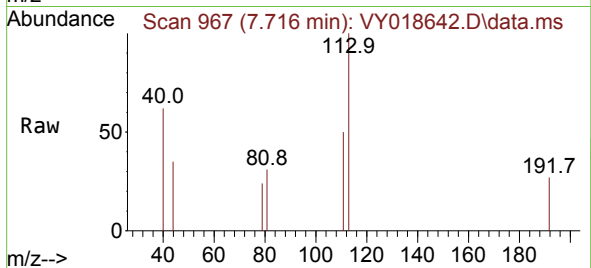
Tgt Ion: 114 Resp: 3250
Ion Ratio Lower Upper
114 100
63 15.5 0.0 35.0
88 12.0 0.0 27.2



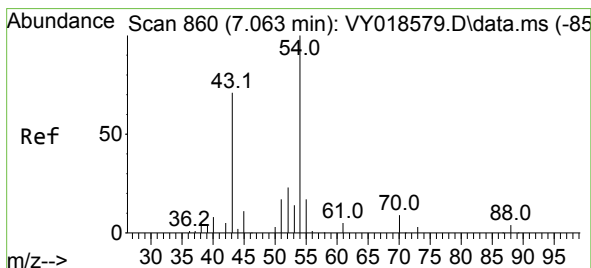
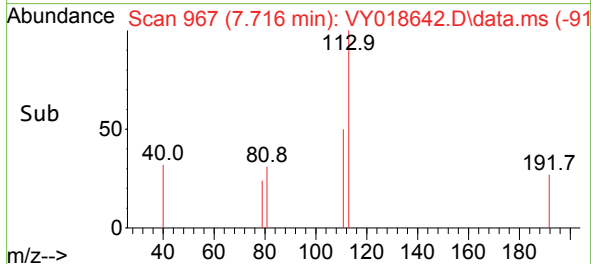
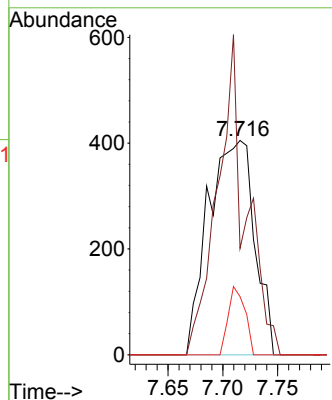


#35
 Dibromofluoromethane
 Concen: 60.023 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.012 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :

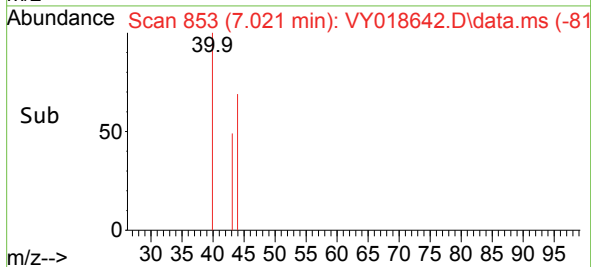
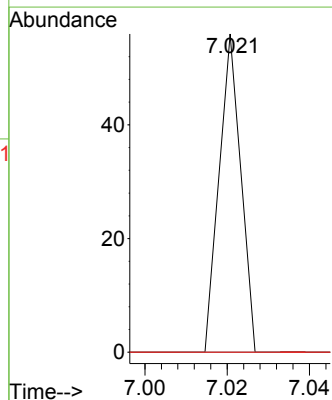
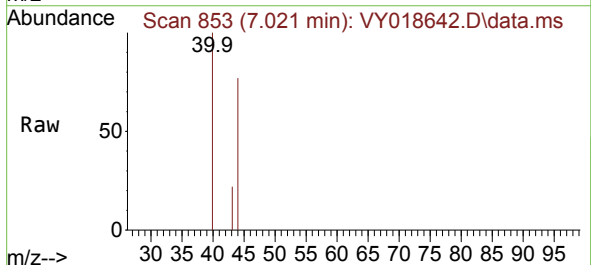


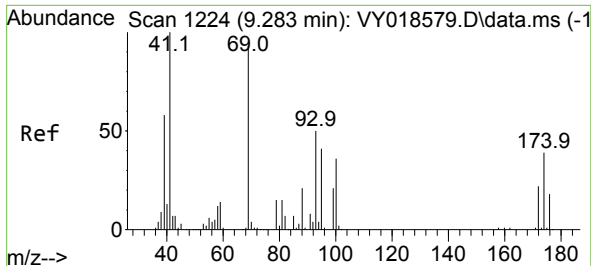
Tgt Ion:	113	Resp:	1190
Ion	Ratio	Lower	Upper
113	100		
111	91.2	82.2	123.4
192	11.5	15.9	23.9#



#37
 Ethyl Acetate
 Concen: 1.555 ug/l
 RT: 7.021 min Scan# 853
 Delta R.T. -0.043 min
 Lab File: VY018642.D
 Acq: 19 Jun 2024 14:04

Tgt Ion:	43	Resp:	20
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.6	19.0#
70	0.0	7.8	11.8#





#48

Methyl methacrylate

Concen: 4.811 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.110 min

Lab File: VY018642.D

Acq: 19 Jun 2024 14:04

Instrument :

MSVOA_Y

ClientSampleId :

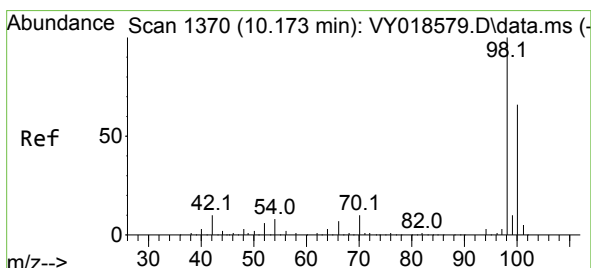
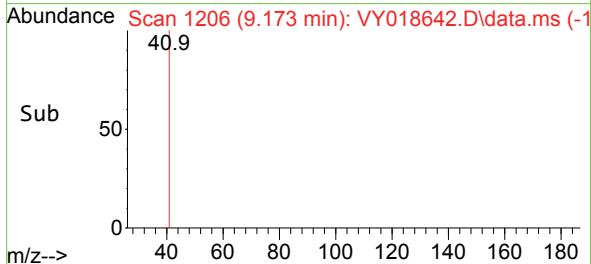
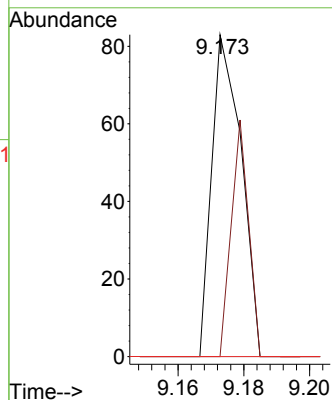
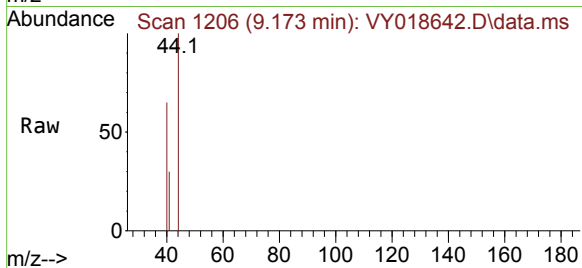
Tgt Ion: 41 Resp: 52

Ion Ratio Lower Upper

41 100

69 42.3 84.1 126.1#

39 0.0 43.6 65.4#



#50

Toluene-d8

Concen: 45.474 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY018642.D

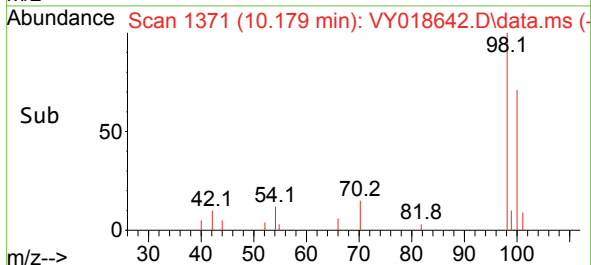
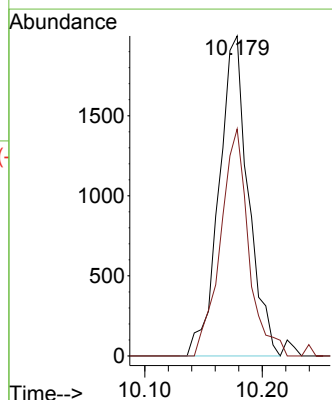
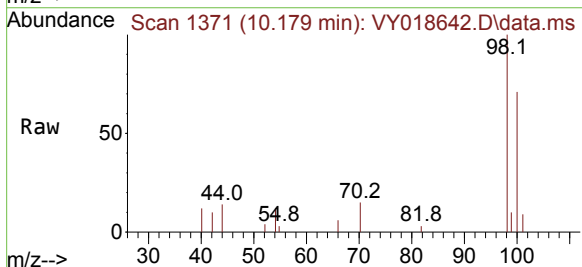
Acq: 19 Jun 2024 14:04

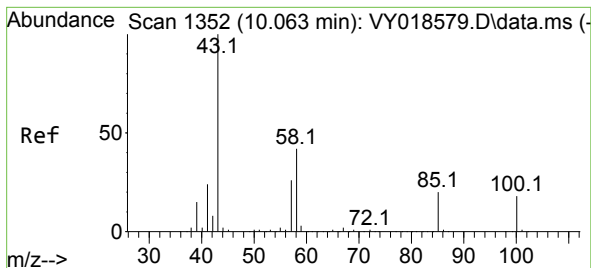
Tgt Ion: 98 Resp: 3467

Ion Ratio Lower Upper

98 100

100 68.2 52.0 78.0

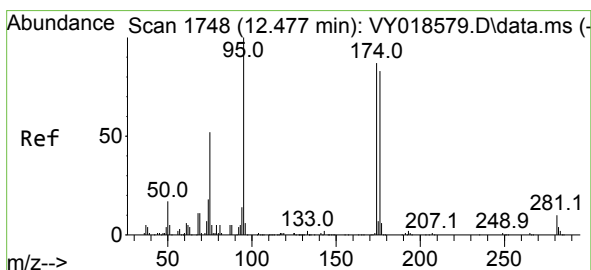
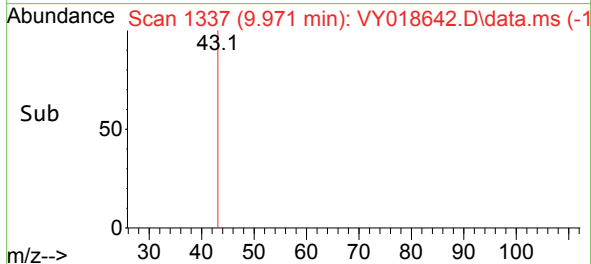
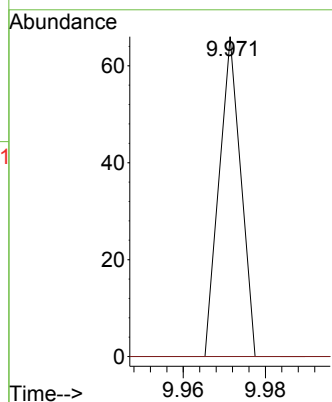
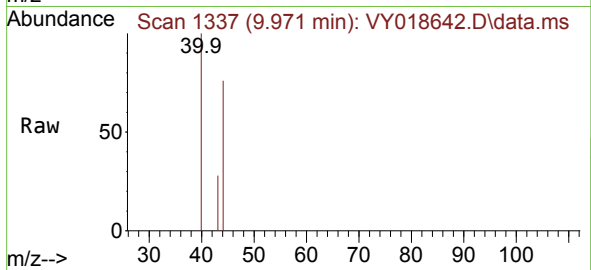




#51
4-Methyl-2-Pentanone
Concen: 1.898 ug/l
RT: 9.971 min Scan# 11
Delta R.T. -0.092 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

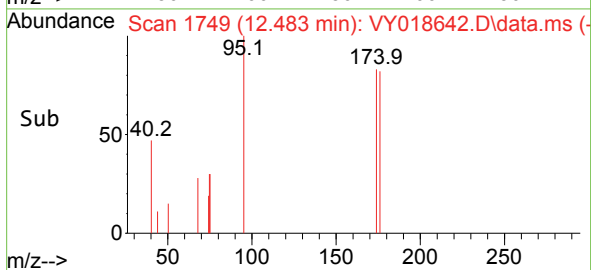
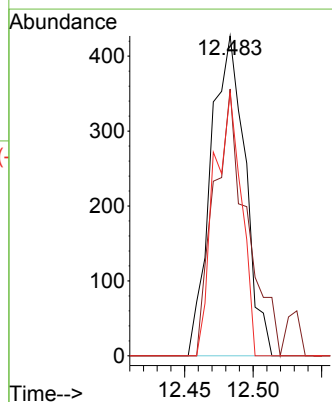
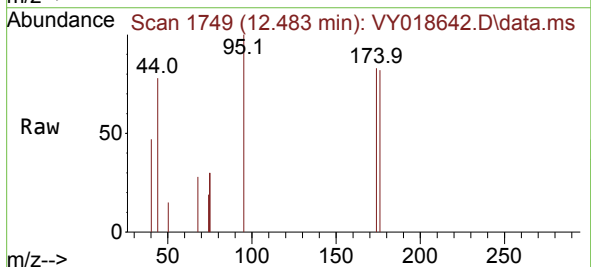
Instrument :
MSVOA_Y
ClientSampleId :

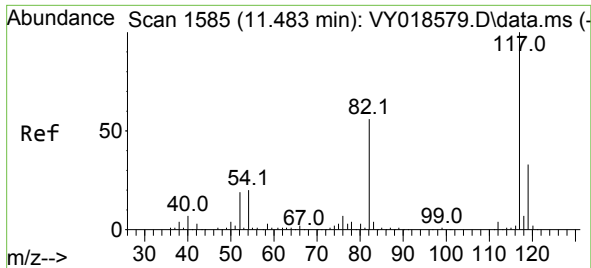
Tgt Ion: 43 Resp: 24
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 30.820 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Tgt Ion: 95 Resp: 742
Ion Ratio Lower Upper
95 100
174 79.4 0.0 175.6
176 65.8 0.0 171.4

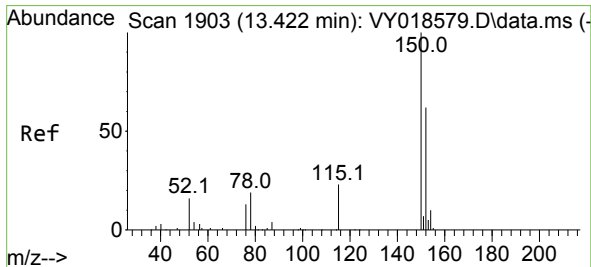
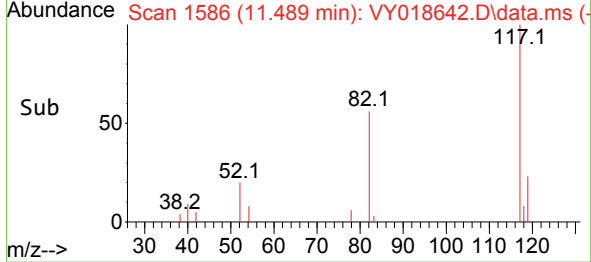
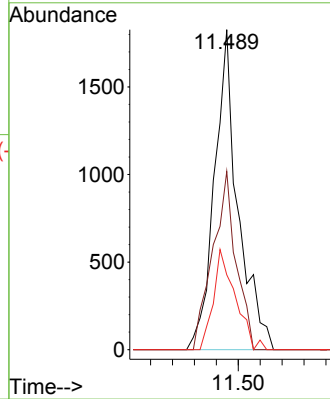
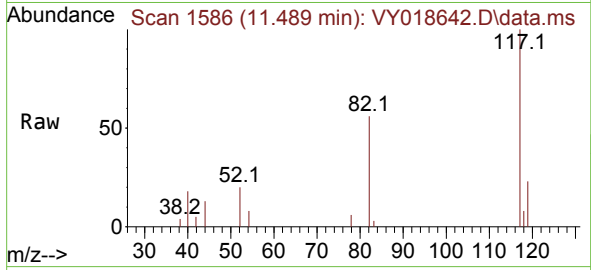




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

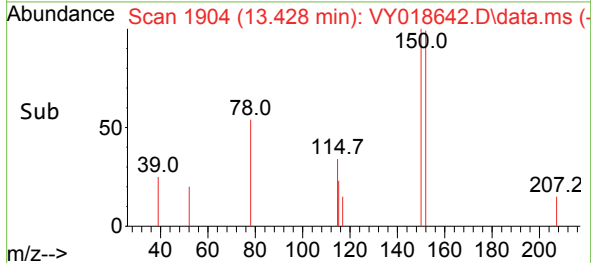
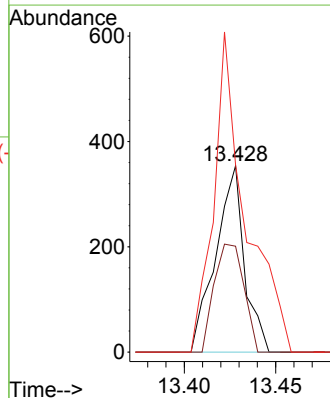
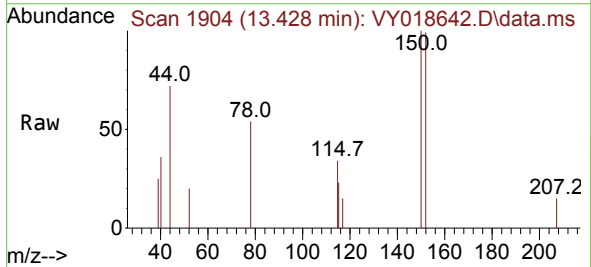
Instrument :
MSVOA_Y
ClientSampleId :

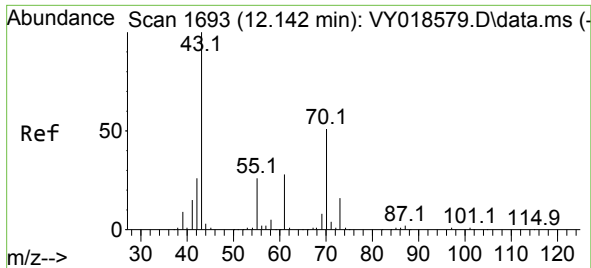
Tgt Ion:117 Resp: 2725
Ion Ratio Lower Upper
117 100
82 55.7 42.4 63.6
119 23.4 25.9 38.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

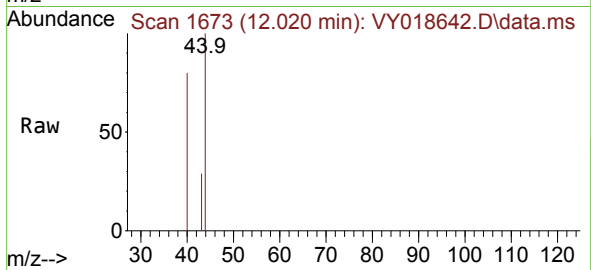
Tgt Ion:152 Resp: 386
Ion Ratio Lower Upper
152 100
115 59.8 28.2 84.7
150 190.4 0.0 345.6



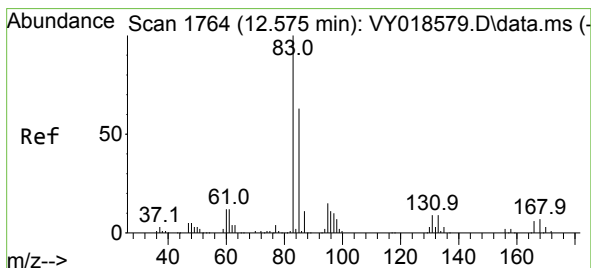
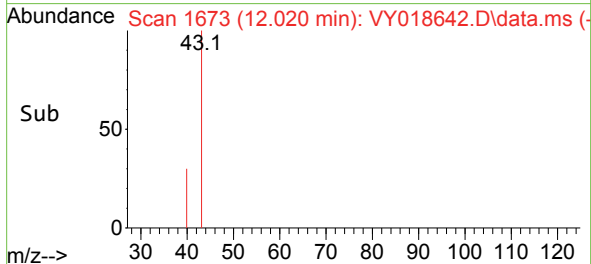
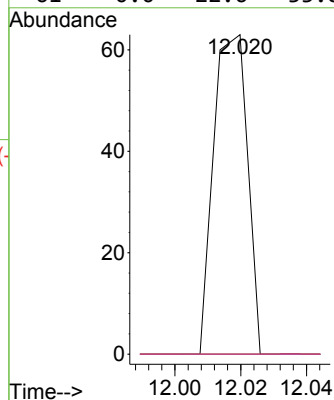


#74
N-amy1 acetate
Concen: 7.796 ug/l
RT: 12.020 min Scan# 1772
Delta R.T. -0.122 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Instrument :
MSVOA_Y
ClientSampleId :

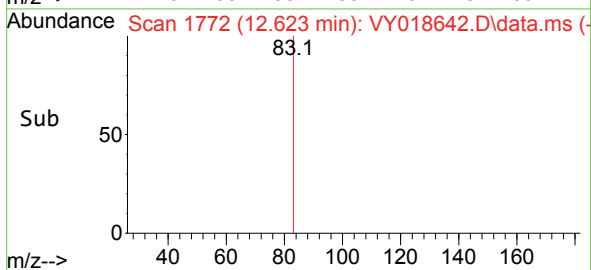
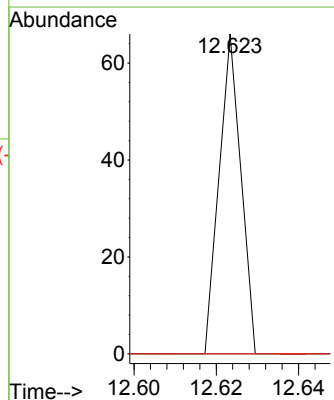
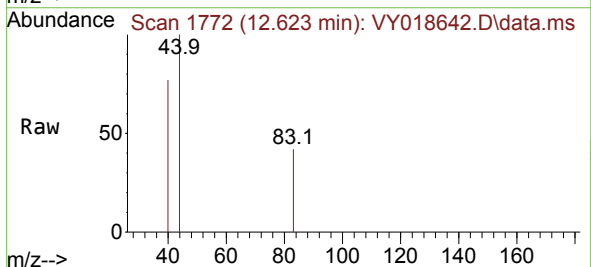


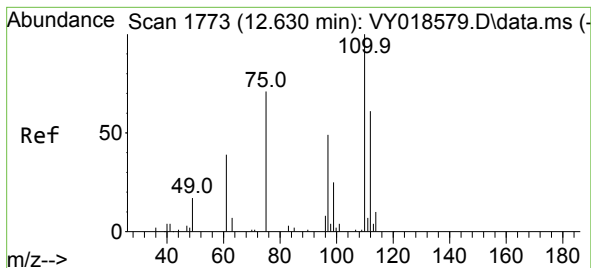
Tgt Ion:	43	Resp:	45
Ion	Ratio	Lower	Upper
43	100		
70	0.0	41.4	62.2#
55	0.0	23.3	34.9#
61	0.0	22.6	33.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.795 ug/l
RT: 12.623 min Scan# 1772
Delta R.T. 0.049 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Tgt Ion:	83	Resp:	24
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: 126.766 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. -0.159 min

Lab File: VY018642.D

Acq: 19 Jun 2024 14:04

Instrument :

MSVOA_Y

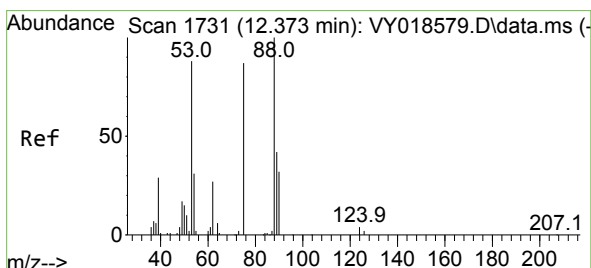
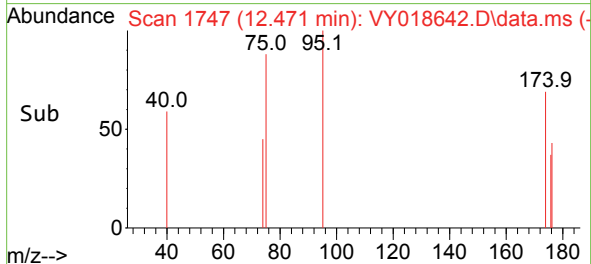
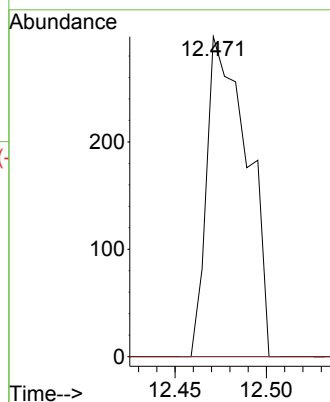
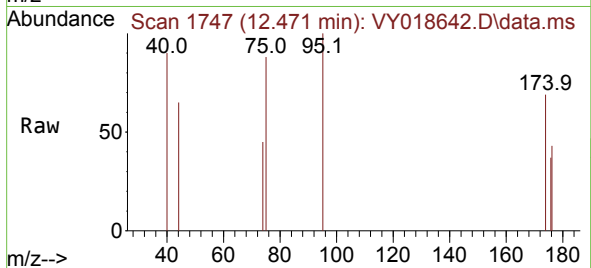
ClientSampleId :

Tgt Ion: 75 Resp: 459

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 332.047 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. 0.097 min

Lab File: VY018642.D

Acq: 19 Jun 2024 14:04

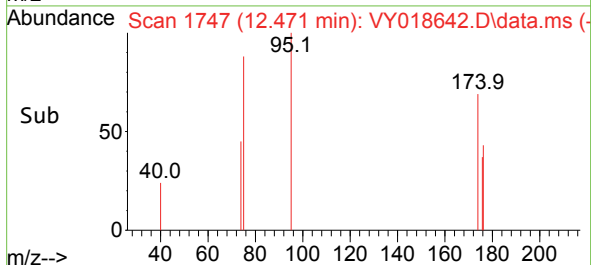
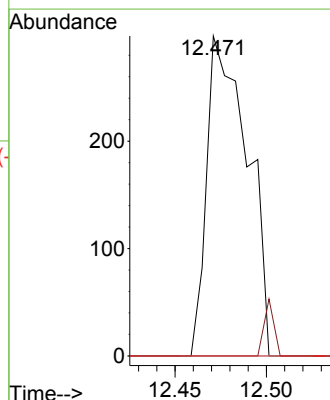
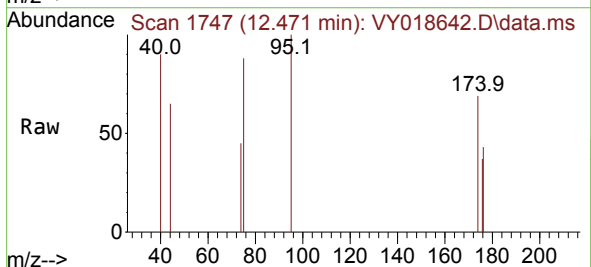
Tgt Ion: 75 Resp: 459

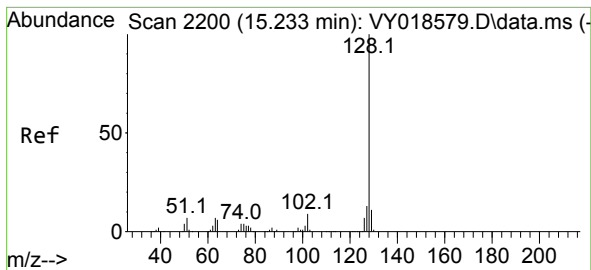
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

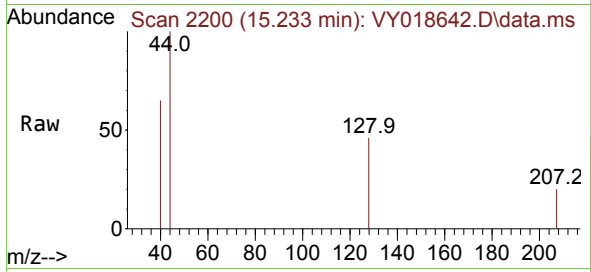
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 9.236 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY018642.D
Acq: 19 Jun 2024 14:04

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 108
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

