

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061424\
 Data File : VY018593.D
 Acq On : 14 Jun 2024 14:31
 Operator : SY/MD
 Sample : P2858-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 14 23:23:22 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)

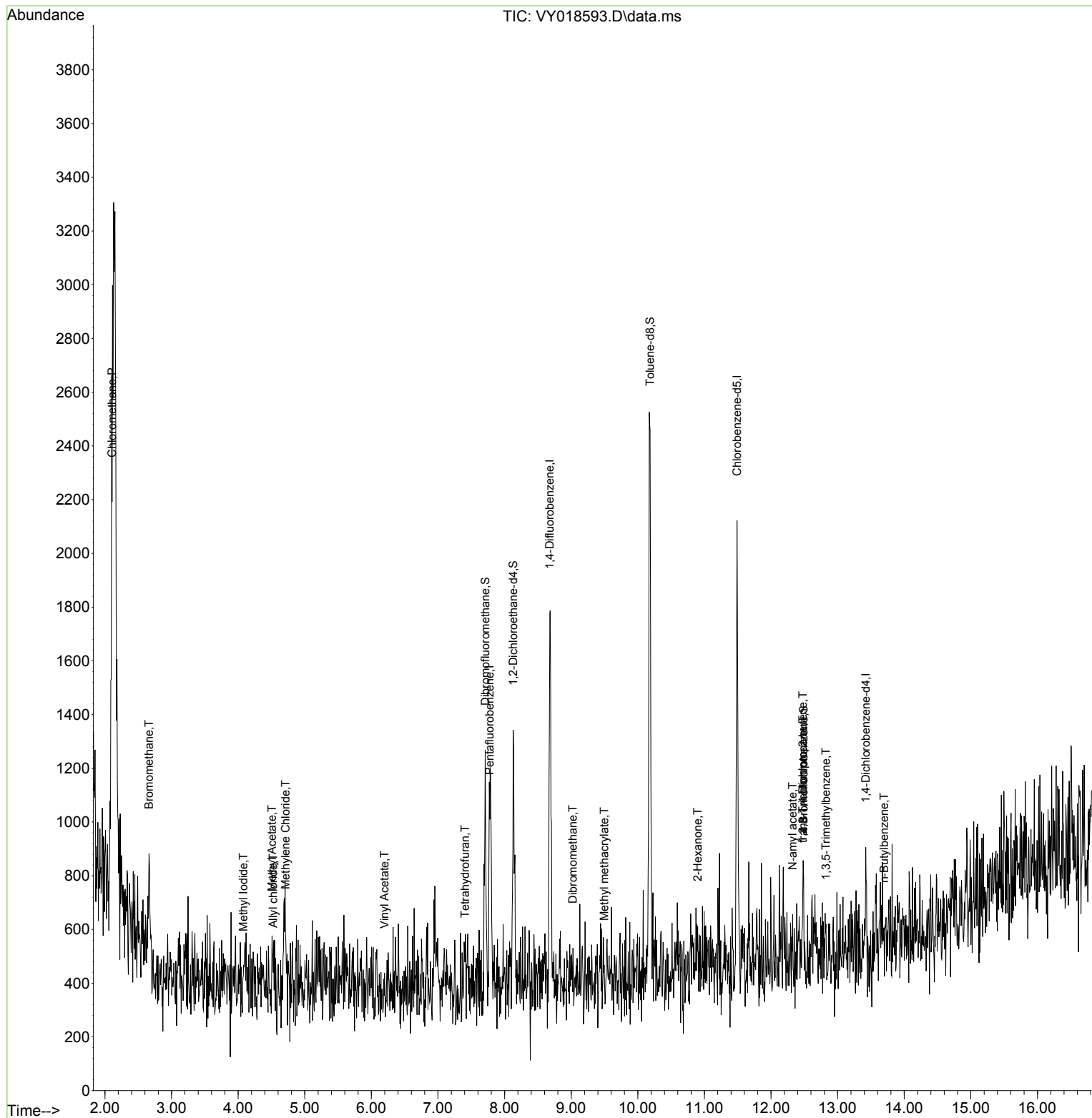
Internal Standards						
1) Pentafluorobenzene	7.777	168	1056	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.679	114	1834	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	1173	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	746	70.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.340%	
35) Dibromofluoromethane	7.710	113	668	59.708	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.420%	
50) Toluene-d8	10.185	98	1869	43.441	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.880%	
62) 4-Bromofluorobenzene	12.489	95	132	9.716	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 19.440%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	197	13.753	ug/l #	43
5) Bromomethane	2.662	94	247	18.733	ug/l #	3
10) Methyl Iodide	4.076	142	190	16.219	ug/l #	42
14) Allyl chloride	4.527	41	46	3.402	ug/l #	19
18) Methyl Acetate	4.509	43	19	3.463	ug/l #	46
20) Methylene Chloride	4.710	84	237	10.744	ug/l #	34
23) Vinyl Acetate	6.198	43	51	25.156	ug/l #	67
29) Tetrahydrofuran	7.405	42	39	19.601	ug/l #	26
46) Dibromomethane	9.026	93	24	3.552	ug/l #	3
48) Methyl methacrylate	9.496	41	44	7.213	ug/l #	28
59) 2-Hexanone	10.898	43	20	4.001	ug/l #	19
74) N-amyl acetate	12.325	43	22	23.730	ug/l #	37
76) 1,2,3-Trichloropropane	12.477	75	30	51.583	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.825	105	23	6.410	ug/l #	27
81) trans-1,4-Dichloro-2-b...	12.477	75	30	135.115	ug/l #	16
89) n-Butylbenzene	13.696	91	54	14.920	ug/l #	33

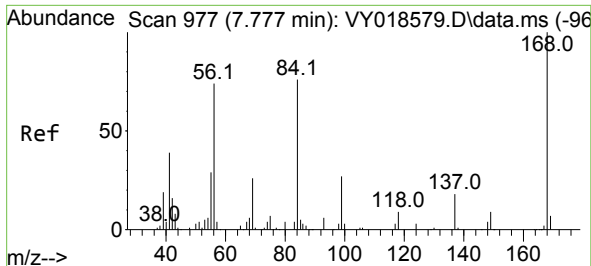
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_Y
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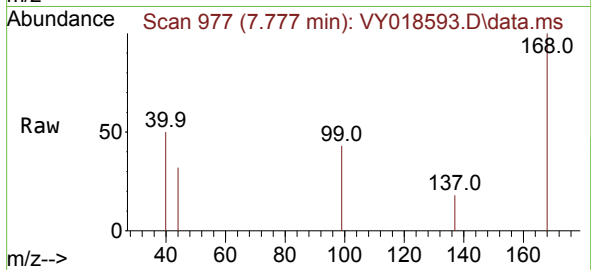
Quant Time: Jun 14 23:23:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration



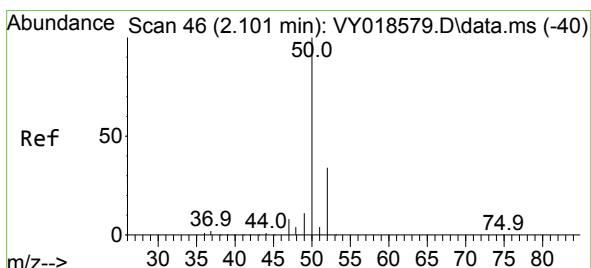
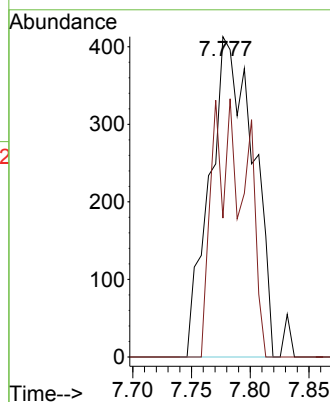
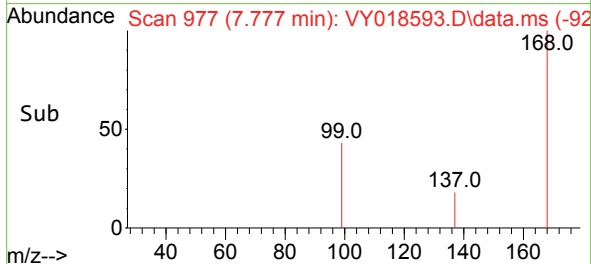


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

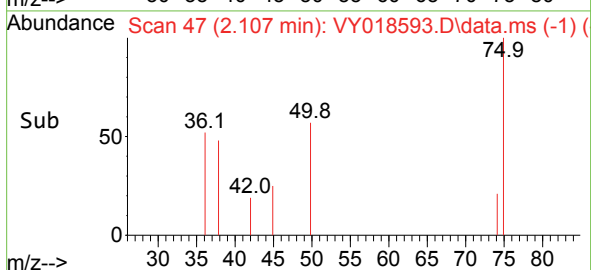
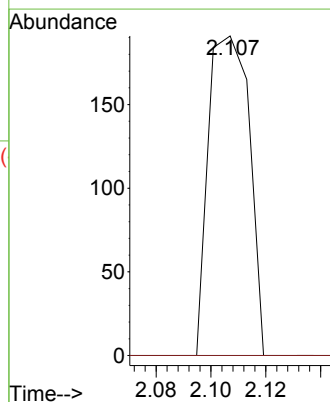
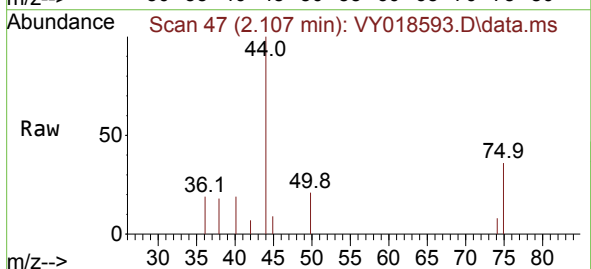


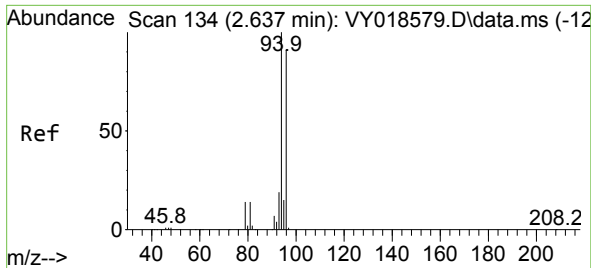
Tgt Ion:168 Resp: 1056
Ion Ratio Lower Upper
168 100
99 43.3 39.1 58.7



#3
Chloromethane
Concen: 13.753 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Tgt Ion: 50 Resp: 197
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

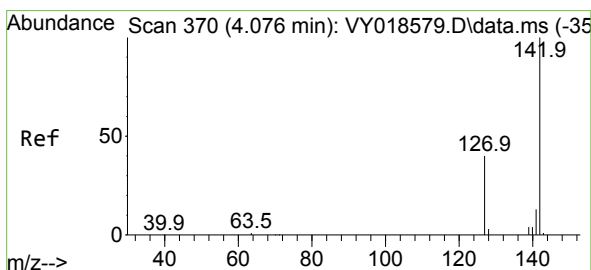
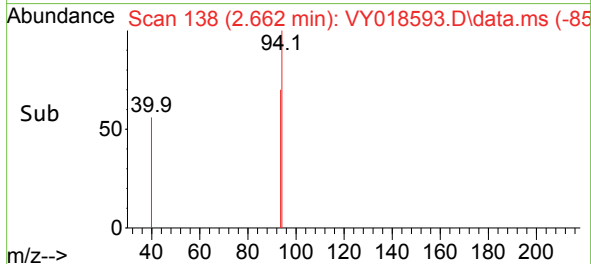
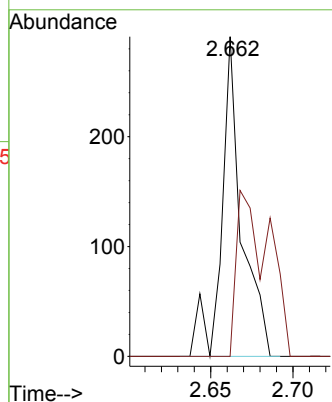
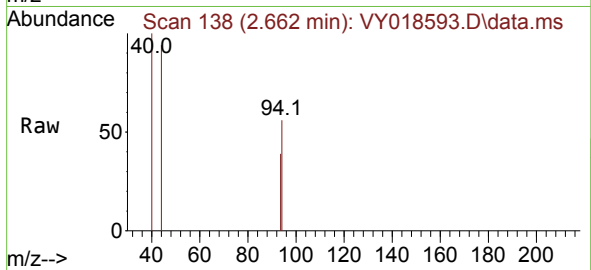




#5
Bromomethane
Concen: 18.733 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

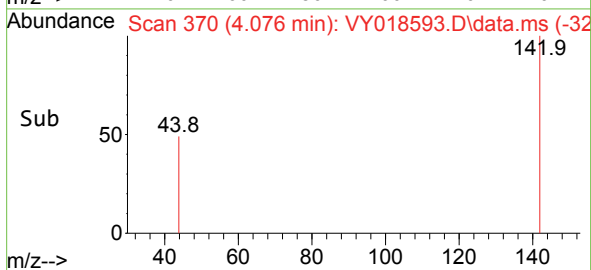
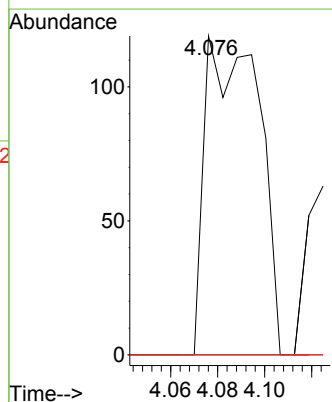
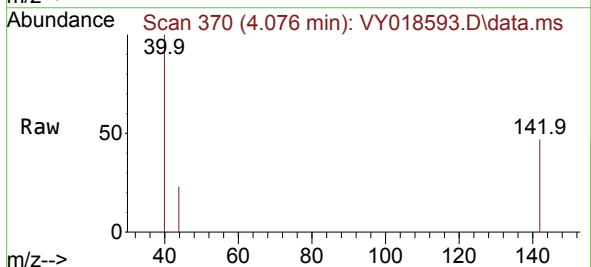
Instrument :
MSVOA_Y
ClientSampleId :

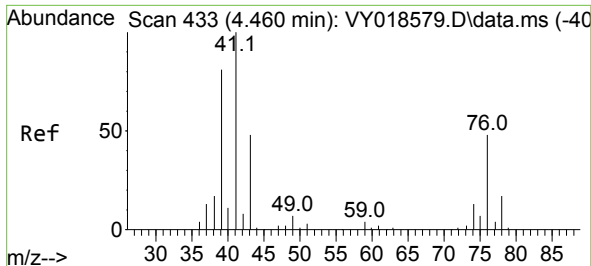
Tgt Ion: 94 Resp: 247
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#



#10
Methyl Iodide
Concen: 16.219 ug/l
RT: 4.076 min Scan# 370
Delta R.T. 0.000 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

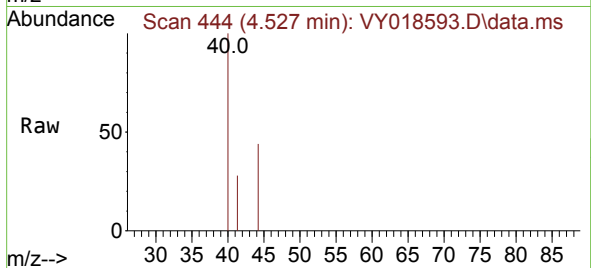
Tgt Ion: 142 Resp: 190
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



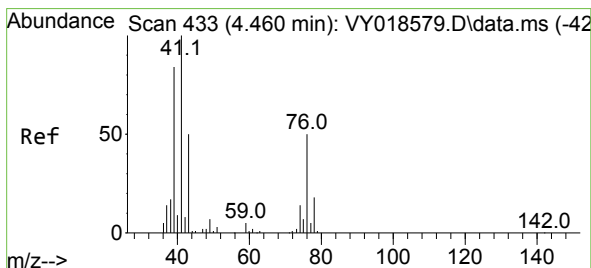
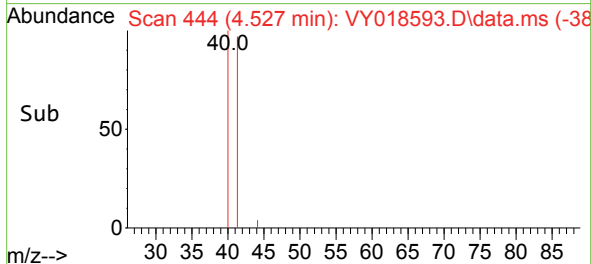
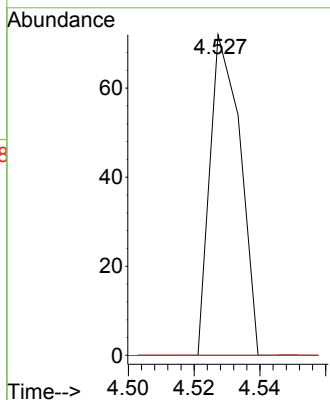


#14
Allyl chloride
Concen: 3.402 ug/l
RT: 4.527 min Scan# 441
Delta R.T. 0.067 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

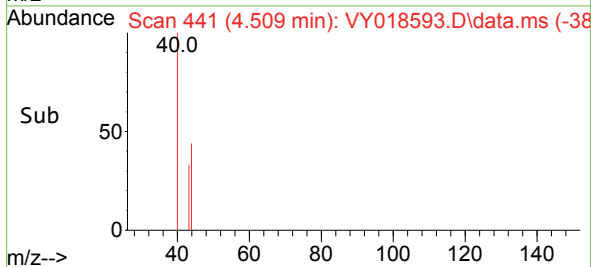
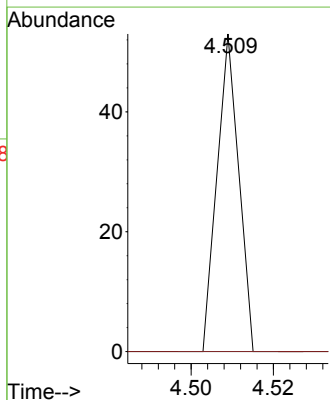
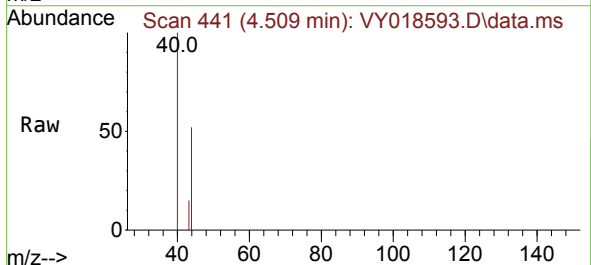


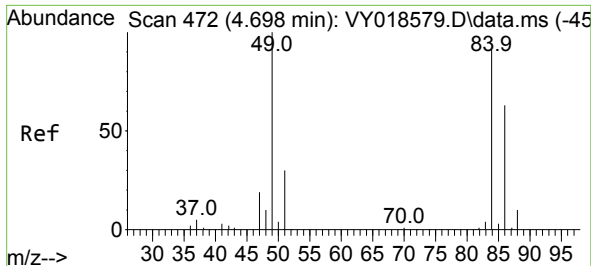
Tgt Ion: 41 Resp: 46
Ion Ratio Lower Upper
41 100
39 0.0 58.3 87.5#
76 0.0 39.0 58.6#



#18
Methyl Acetate
Concen: 3.463 ug/l
RT: 4.509 min Scan# 441
Delta R.T. 0.049 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: 10.744 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.012 min

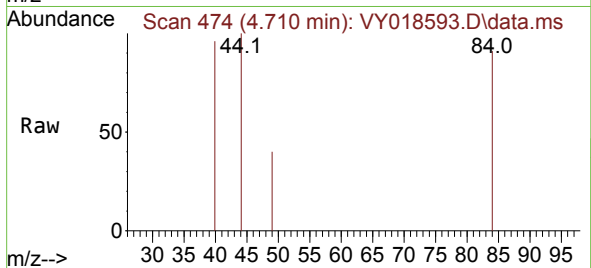
Lab File: VY018593.D

Acq: 14 Jun 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 237

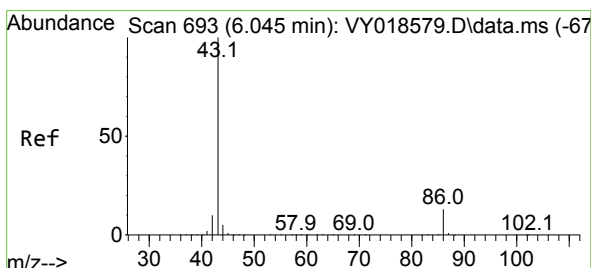
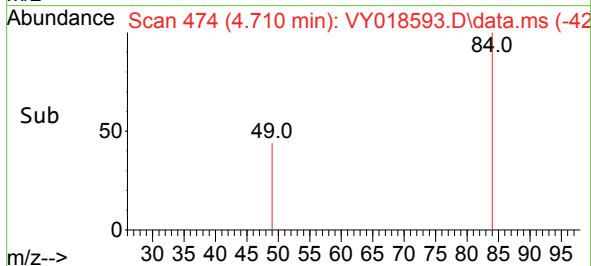
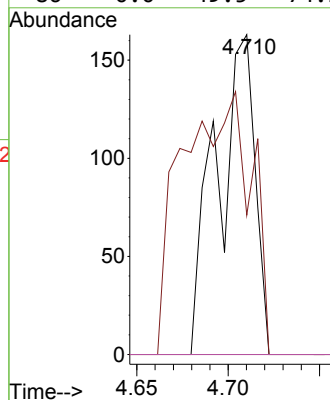
Ion Ratio Lower Upper

84 100

49 43.6 84.4 126.6#

51 0.0 26.0 39.0#

86 0.0 49.5 74.3#



#23

Vinyl Acetate

Concen: 25.156 ug/l

RT: 6.198 min Scan# 718

Delta R.T. 0.153 min

Lab File: VY018593.D

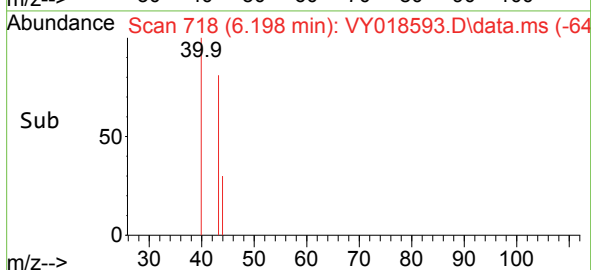
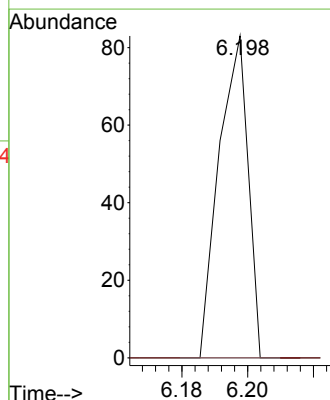
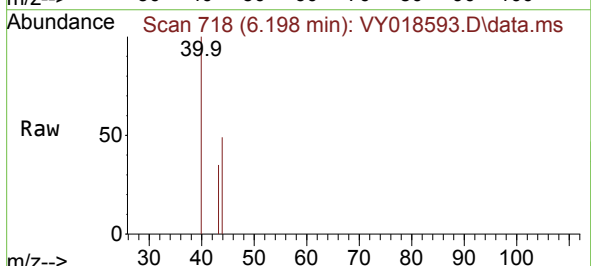
Acq: 14 Jun 2024 14:31

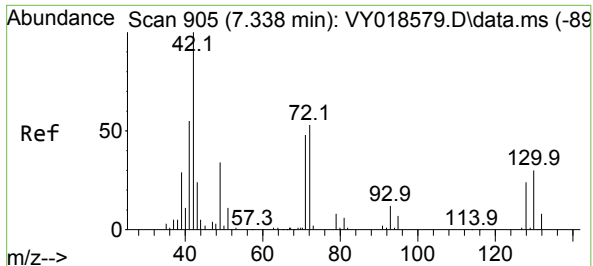
Tgt Ion: 43 Resp: 51

Ion Ratio Lower Upper

43 100

86 0.0 10.6 16.0#





#29

Tetrahydrofuran

Concen: 19.601 ug/l

RT: 7.405 min Scan# 916

Delta R.T. 0.067 min

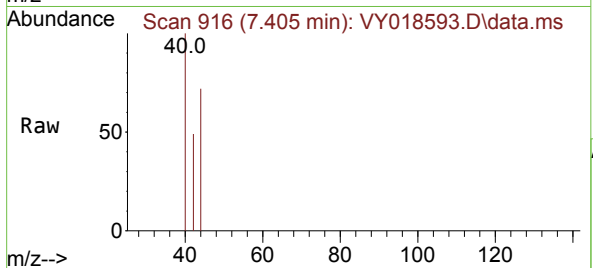
Lab File: VY018593.D

Acq: 14 Jun 2024 14:31

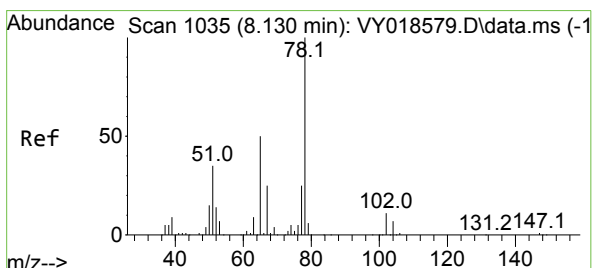
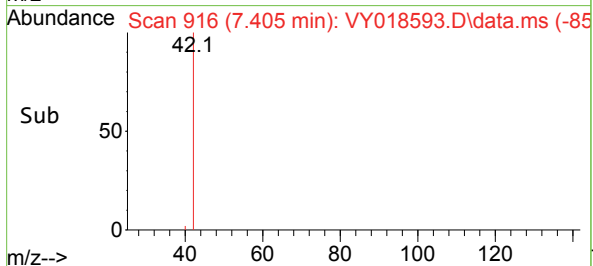
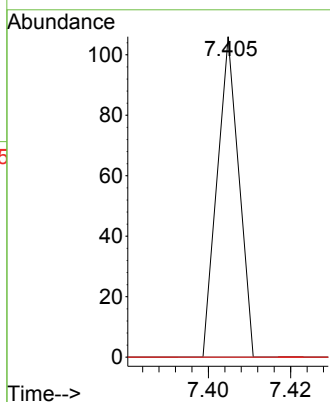
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	39
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#33

1,2-Dichloroethane-d4

Concen: 70.167 ug/l

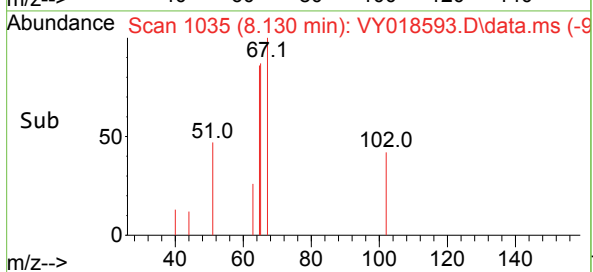
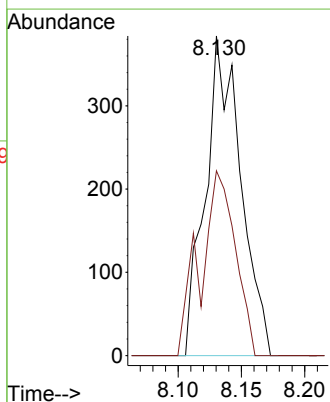
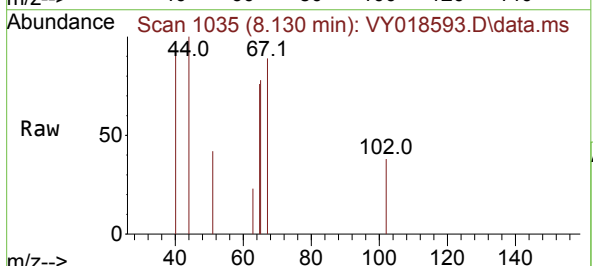
RT: 8.130 min Scan# 1035

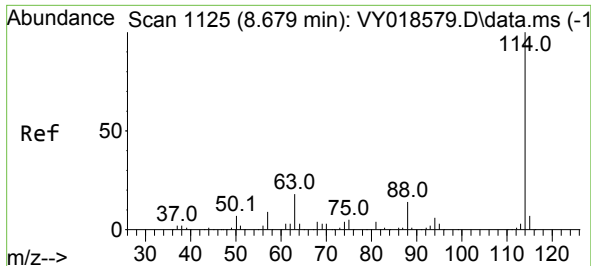
Delta R.T. -0.000 min

Lab File: VY018593.D

Acq: 14 Jun 2024 14:31

Tgt Ion:	65	Resp:	746
Ion	Ratio	Lower	Upper
65	100		
67	57.0	0.0	109.6

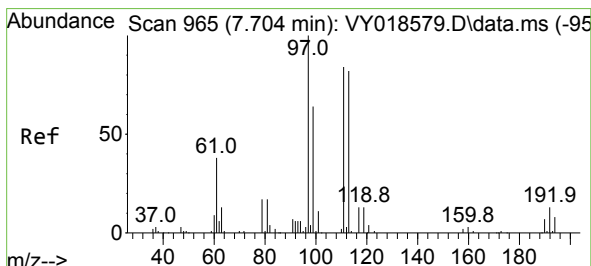
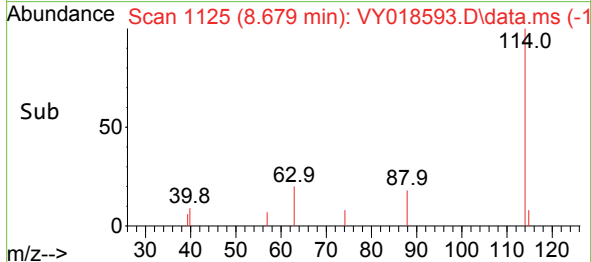
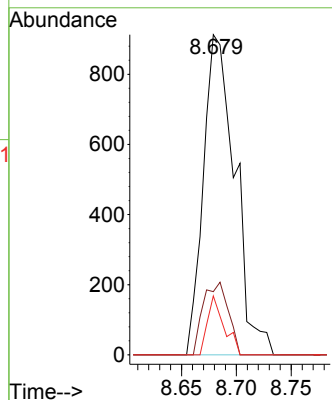
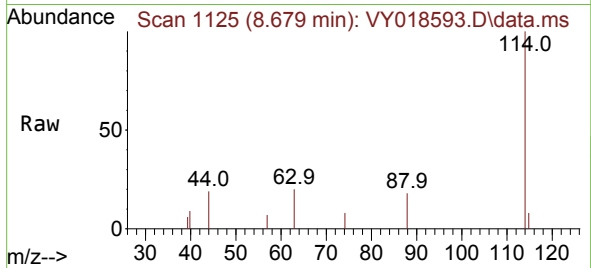




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.679 min Scan# 1125
Delta R.T. -0.000 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

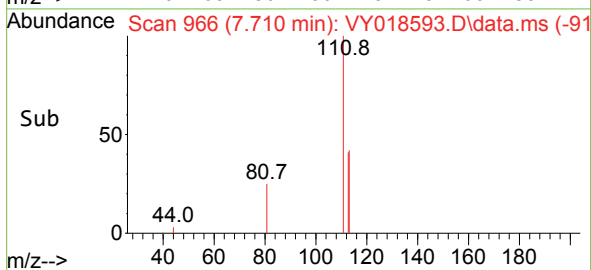
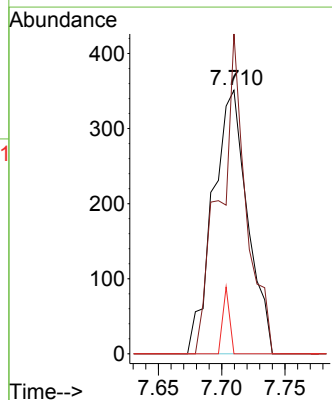
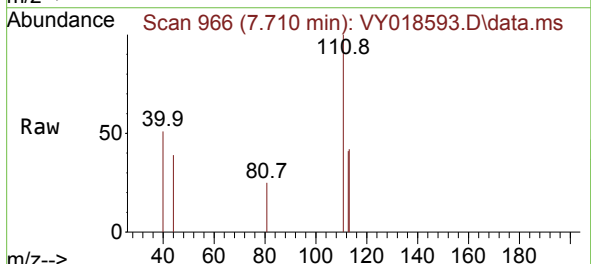
Instrument :
MSVOA_Y
ClientSampleId :

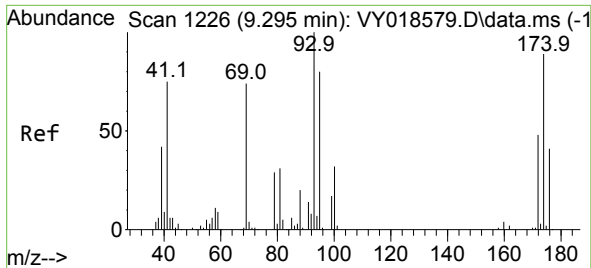
Tgt Ion:114 Resp: 1834
Ion Ratio Lower Upper
114 100
63 19.7 0.0 35.0
88 18.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 59.708 ug/l
RT: 7.710 min Scan# 966
Delta R.T. 0.006 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

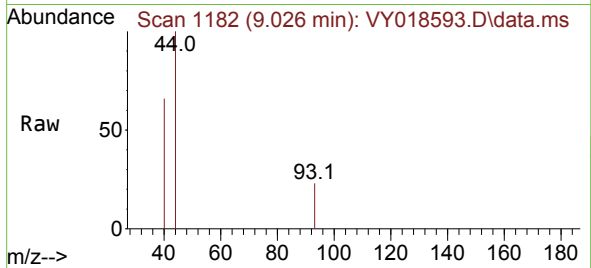
Tgt Ion:113 Resp: 668
Ion Ratio Lower Upper
113 100
111 92.2 82.2 123.4
192 4.9 15.9 23.9#



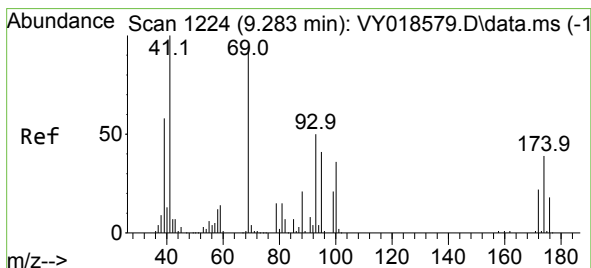
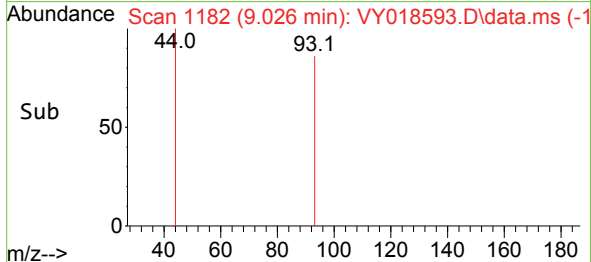
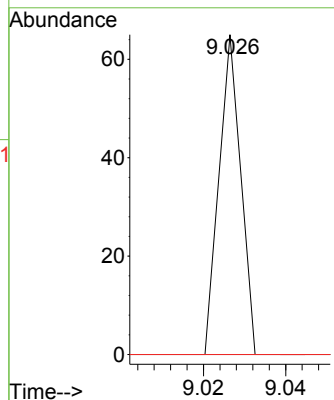


#46
Dibromomethane
Concen: 3.552 ug/l
RT: 9.026 min Scan# 1182
Delta R.T. -0.268 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

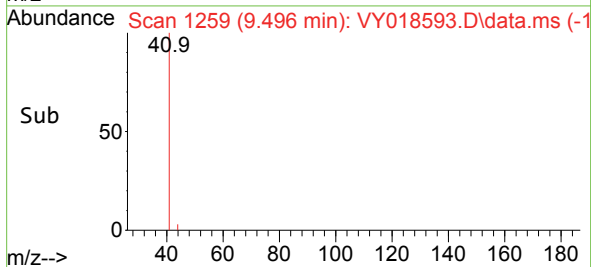
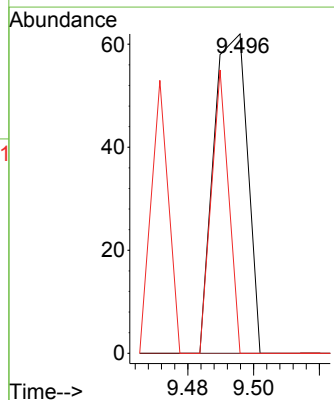
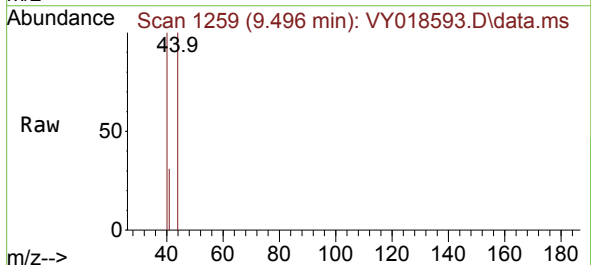


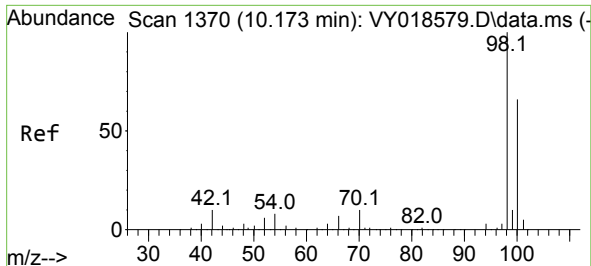
Tgt Ion: 93 Resp: 24
Ion Ratio Lower Upper
93 100
95 0.0 66.2 99.4#
174 0.0 80.9 121.3#



#48
Methyl methacrylate
Concen: 7.213 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. 0.213 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

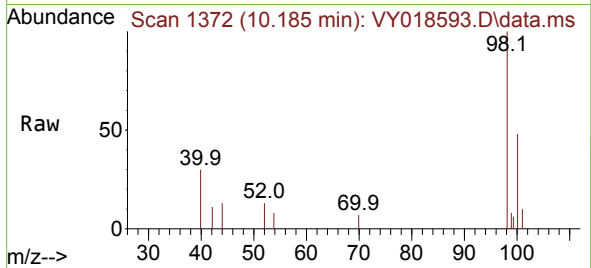
Tgt Ion: 41 Resp: 44
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 45.5 43.6 65.4



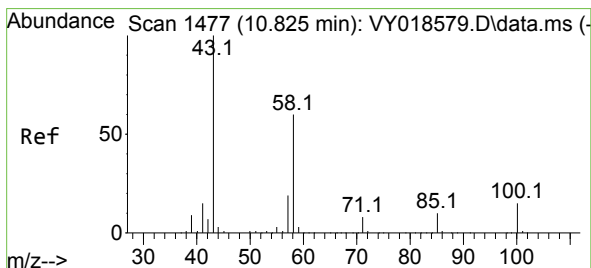
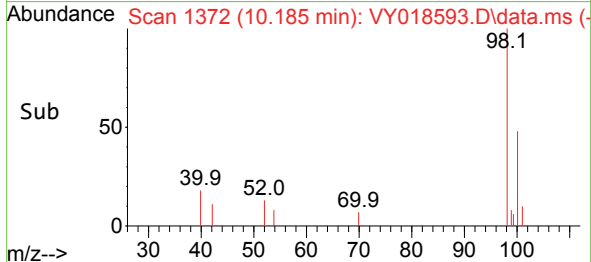
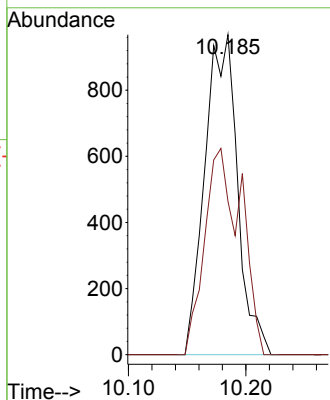


#50
Toluene-d8
Concen: 43.441 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :

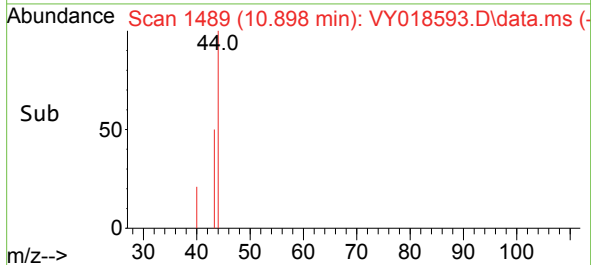
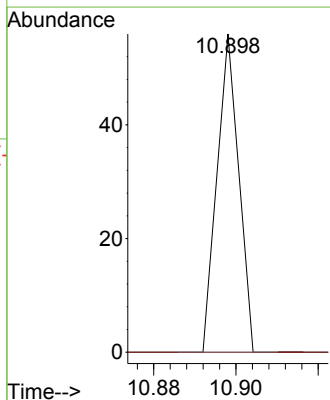
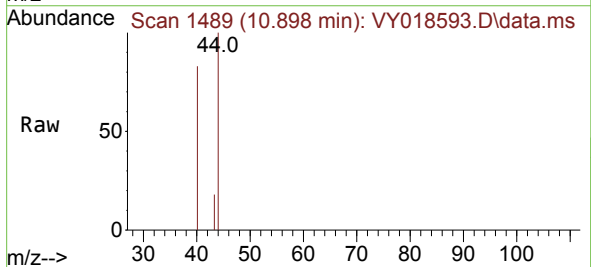


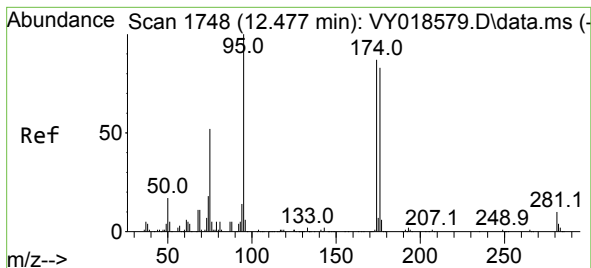
Tgt Ion: 98 Resp: 1869
Ion Ratio Lower Upper
98 100
100 72.1 52.0 78.0



#59
2-Hexanone
Concen: 4.001 ug/l
RT: 10.898 min Scan# 1489
Delta R.T. 0.073 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

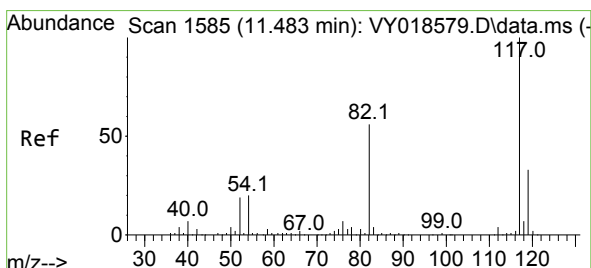
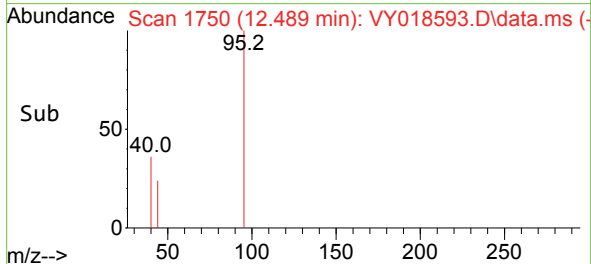
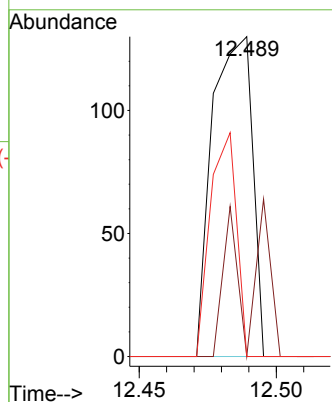
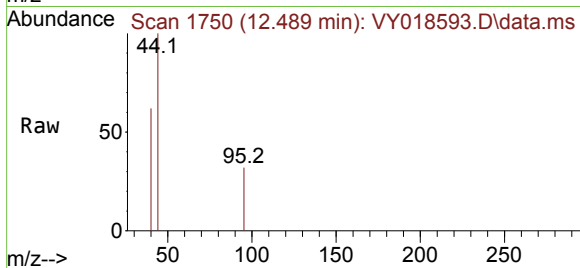




#62
4-Bromofluorobenzene
Concen: 9.716 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

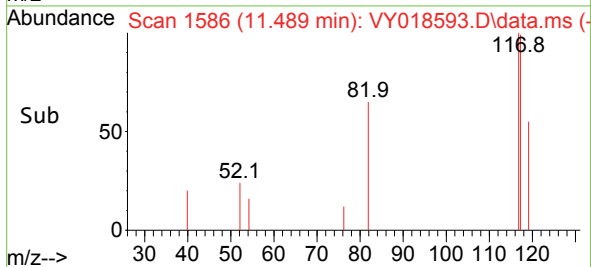
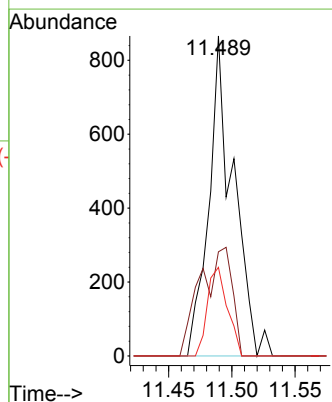
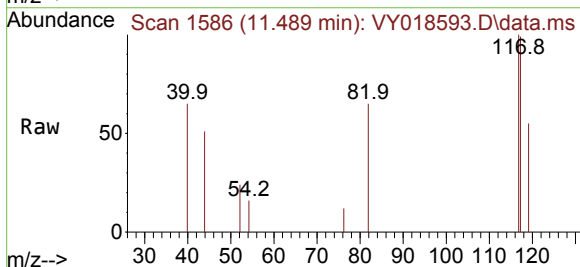
Instrument :
MSVOA_Y
ClientSampleId :

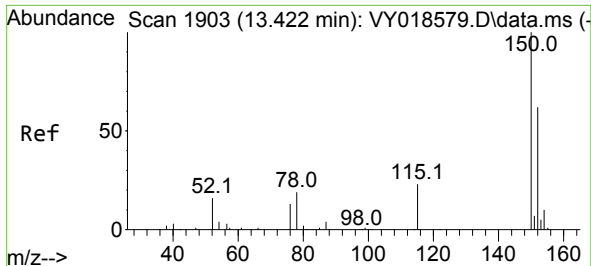
Tgt Ion: 95 Resp: 132
Ion Ratio Lower Upper
95 100
174 34.8 0.0 175.6
176 45.5 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

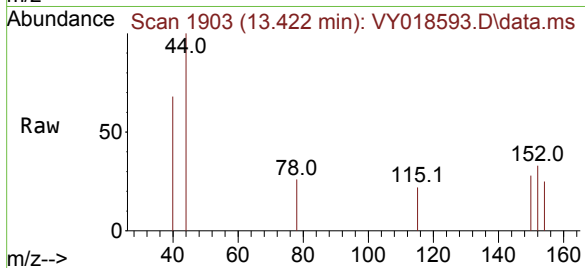
Tgt Ion: 117 Resp: 1173
Ion Ratio Lower Upper
117 100
82 32.6 42.4 63.6#
119 27.7 25.9 38.9



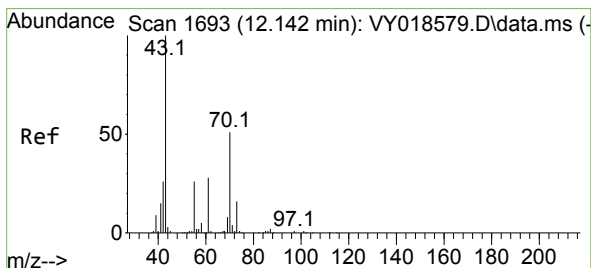
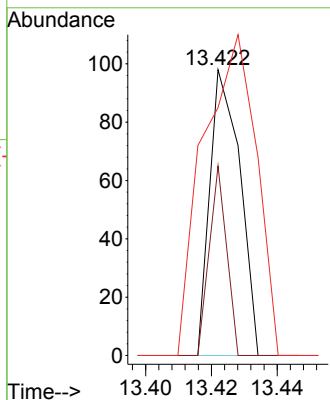
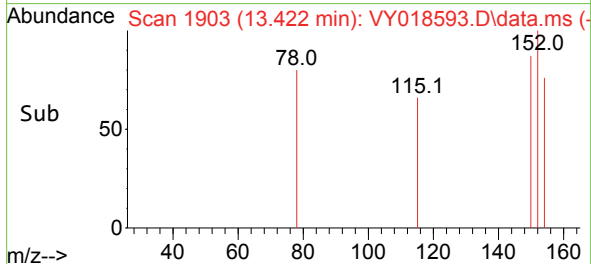


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

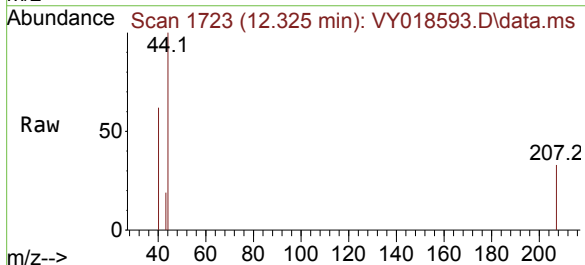
Instrument :
MSVOA_Y
ClientSampleId :



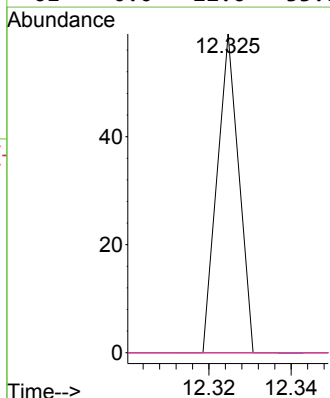
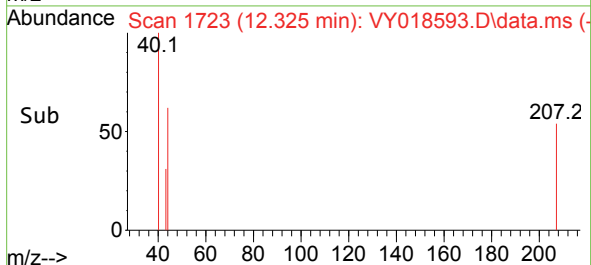
Tgt Ion:152 Resp: 62
Ion Ratio Lower Upper
152 100
115 38.7 28.2 84.7
150 198.4 0.0 345.6

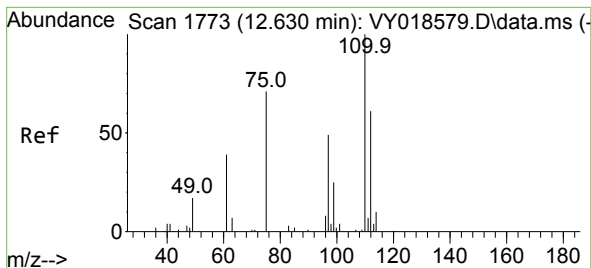


#74
N-ethyl acetate
Concen: 23.730 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.183 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31



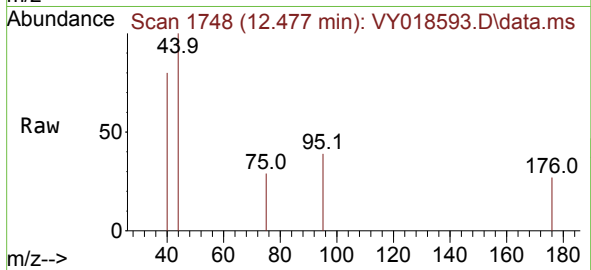
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.2#
55 0.0 23.3 34.9#
61 0.0 22.6 33.8#



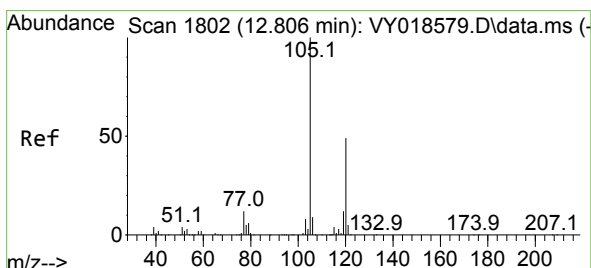
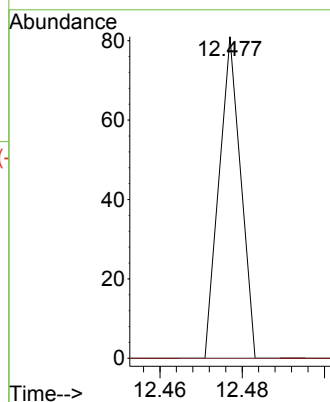
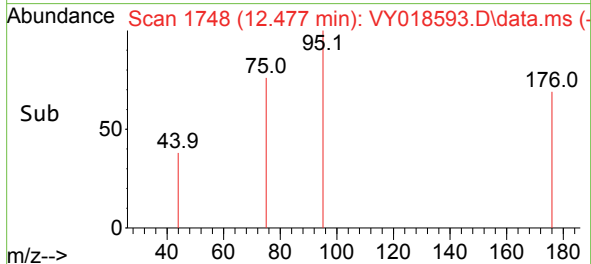


#76
1,2,3-Trichloropropane
Concen: 51.583 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

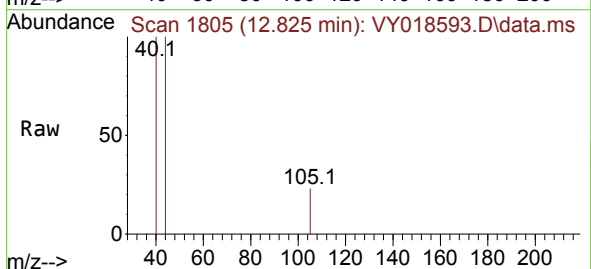
Instrument :
MSVOA_Y
ClientSampleId :



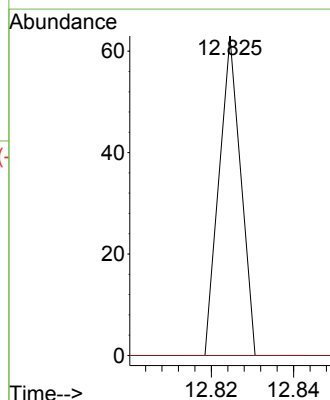
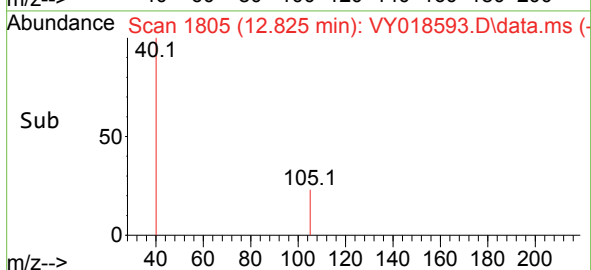
Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

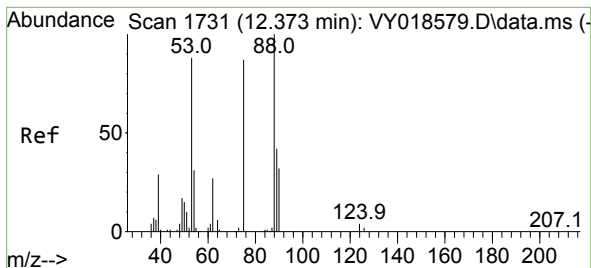


#80
1,3,5-Trimethylbenzene
Concen: 6.410 ug/l
RT: 12.825 min Scan# 1805
Delta R.T. 0.018 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31



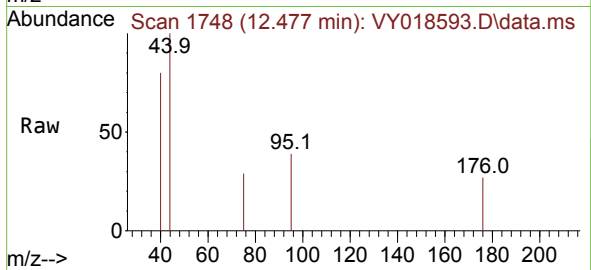
Tgt Ion: 105 Resp: 23
Ion Ratio Lower Upper
105 100
120 0.0 25.1 75.2#



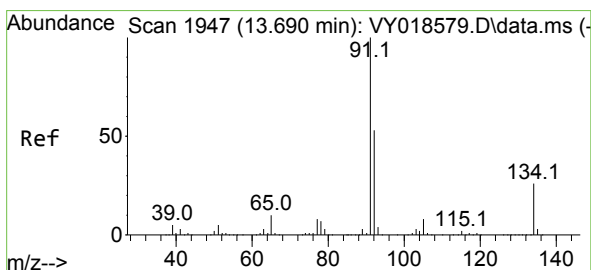
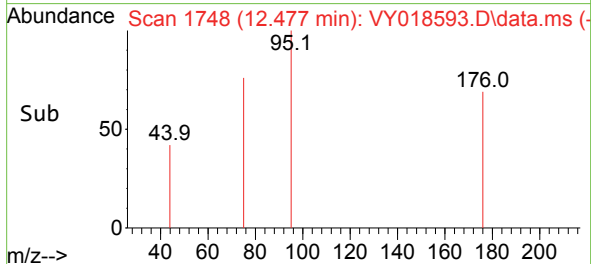
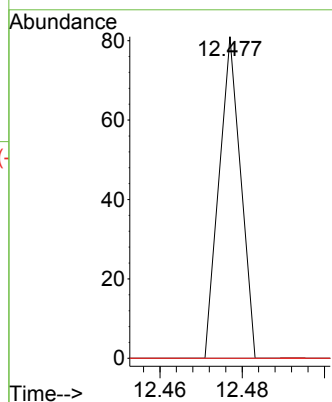


#81
trans-1,4-Dichloro-2-butene
Concen: 135.115 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#89
n-Butylbenzene
Concen: 14.920 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VY018593.D
Acq: 14 Jun 2024 14:31

Tgt Ion: 91 Resp: 54
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 12.9 38.7#

