

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061424\
 Data File : VY018591.D
 Acq On : 14 Jun 2024 13:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 14 23:21:57 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

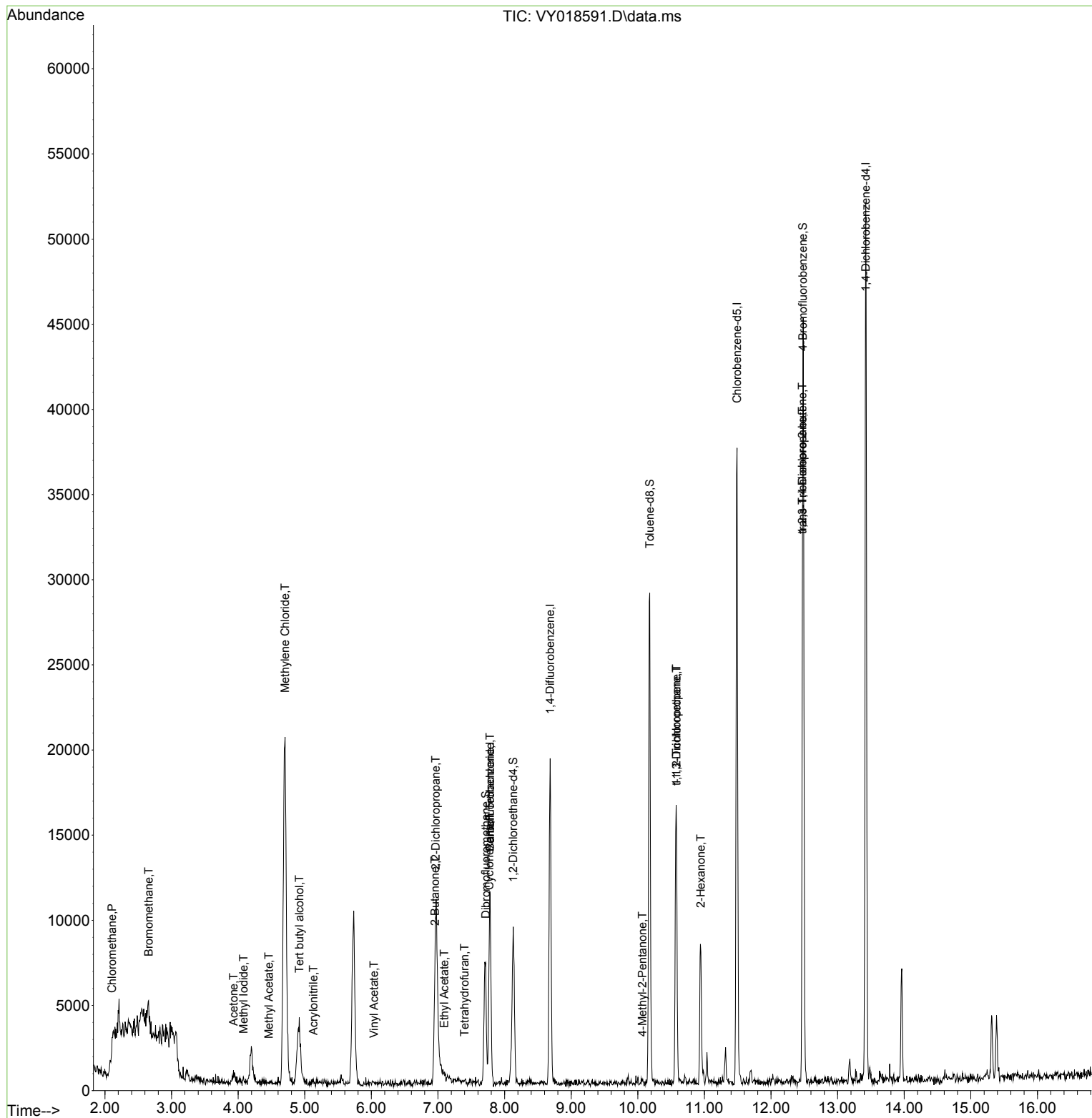
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.783	168	8597	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	16705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	20919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	13790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	6448	74.497	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 149.000%		
35) Dibromofluoromethane	7.716	113	5468	53.659	ug/l	0.01
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.320%		
50) Toluene-d8	10.179	98	19911	50.808	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 101.620%		
62) 4-Bromofluorobenzene	12.477	95	10141	81.950	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 163.900%#		
Target Compounds						Qvalue
3) Chloromethane	2.107	50	229	1.964	ug/l #	43
5) Bromomethane	2.655	94	1154	10.750	ug/l #	60
10) Methyl Iodide	4.082	142	269	3.394	ug/l #	71
11) Tert butyl alcohol	4.917	59	2654	170.469	ug/l #	88
15) Acrylonitrile	5.131	53	49	2.484	ug/l #	18
16) Acetone	3.930	43	566	32.142	ug/l	98
18) Methyl Acetate	4.460	43	54	1.209	ug/l #	46
20) Methylene Chloride	4.704	84	15722	165.580	ug/l #	92
23) Vinyl Acetate	6.039	43	60	23.908	ug/l #	67
25) 2-Butanone	6.953	43	564	21.367	ug/l #	41
26) 2,2-Dichloropropane	6.966	77	652	4.833	ug/l #	51
29) Tetrahydrofuran	7.399	42	39	2.408	ug/l #	26
31) Cyclohexane	7.770	56	155	1.169	ug/l #	44
37) Ethyl Acetate	7.094	43	105	1.588	ug/l #	67
38) Carbon Tetrachloride	7.783	117	770	5.232	ug/l #	13
51) 4-Methyl-2-Pentanone	10.069	43	215	3.307	ug/l #	31
53) t-1,3-Dichloropropene	10.581	75	280	2.181	ug/l #	45
55) 1,1,2-Trichloroethane	10.581	97	125	1.527	ug/l #	16
59) 2-Hexanone	10.947	43	200	4.392	ug/l #	19
76) 1,2,3-Trichloropropane	12.471	75	5919	45.757	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.471	75	5919	119.856	ug/l #	16

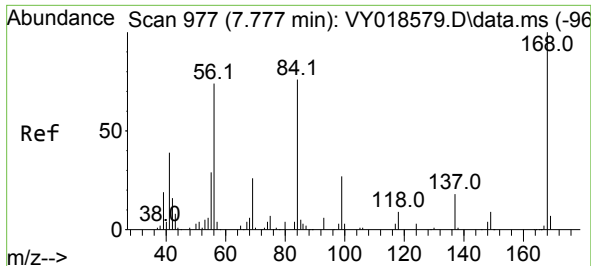
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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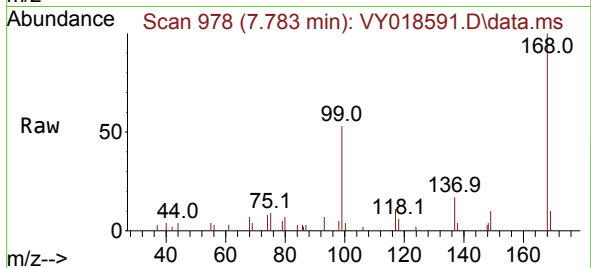
Quant Time: Jun 14 23:21:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061324S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 14 07:08:24 2024
Response via : Initial Calibration



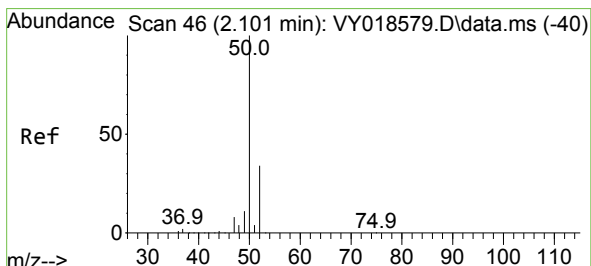
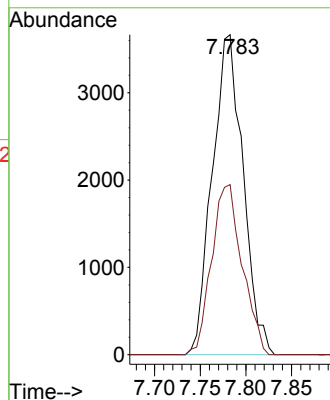
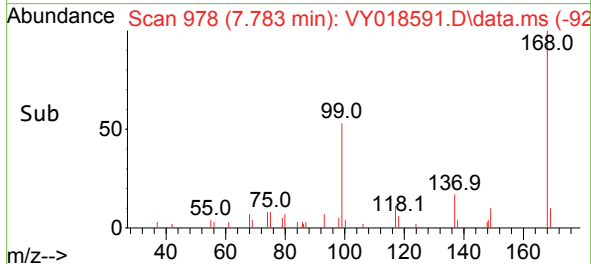


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

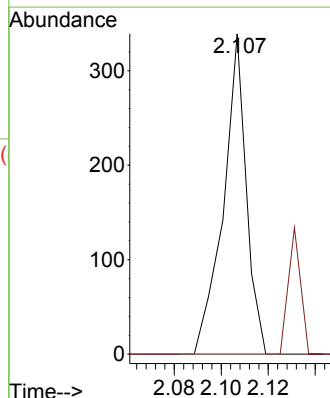
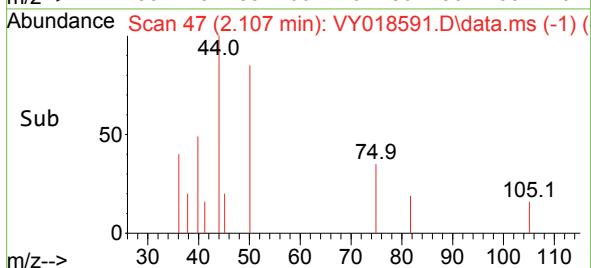
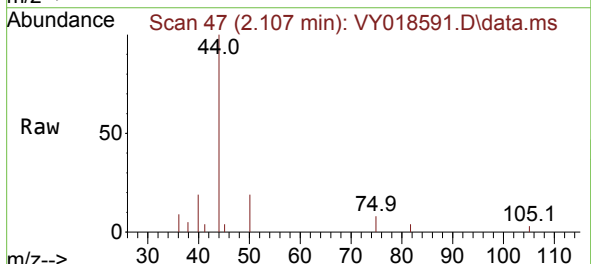


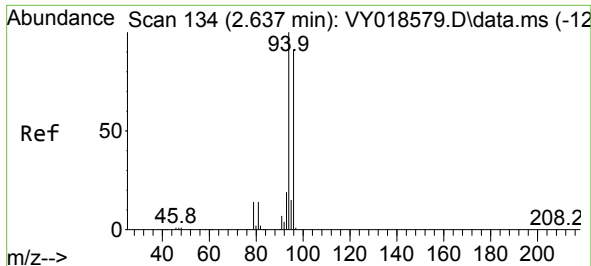
Tgt Ion:168 Resp: 8597
Ion Ratio Lower Upper
168 100
99 53.1 39.1 58.7



#3
Chloromethane
Concen: 1.964 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.006 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

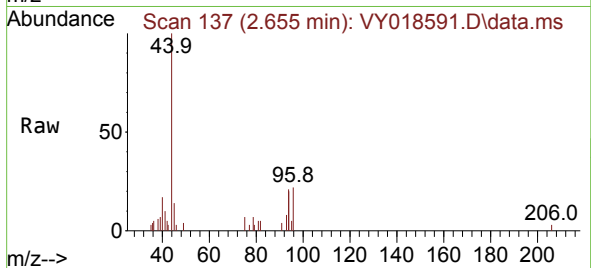
Tgt Ion: 50 Resp: 229
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#



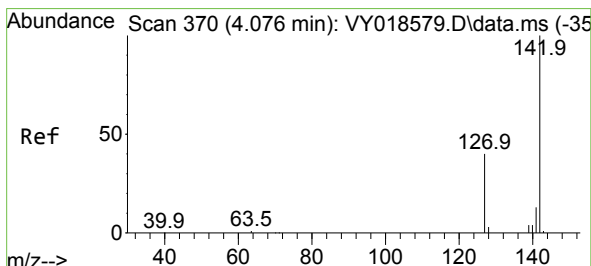
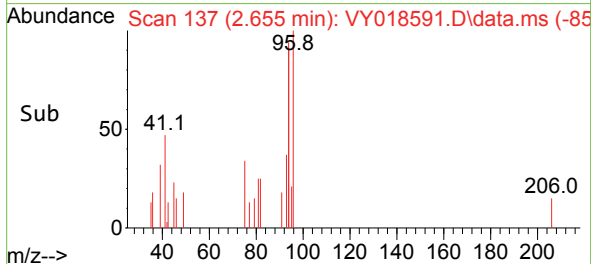
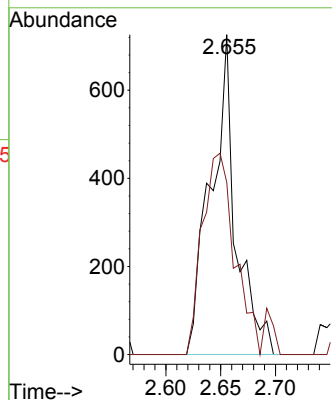


#5
Bromomethane
Concen: 10.750 ug/l
RT: 2.655 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

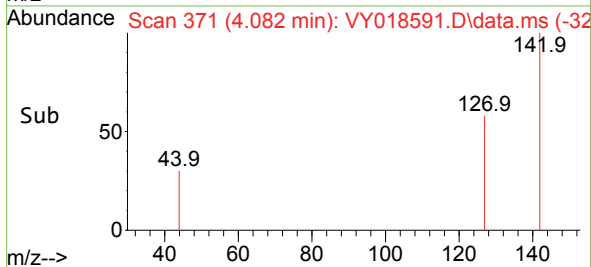
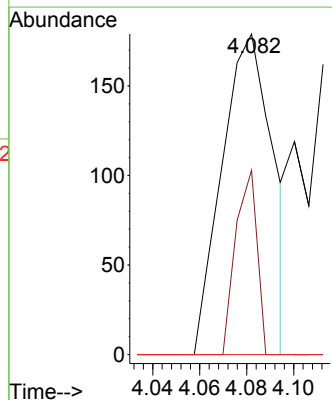
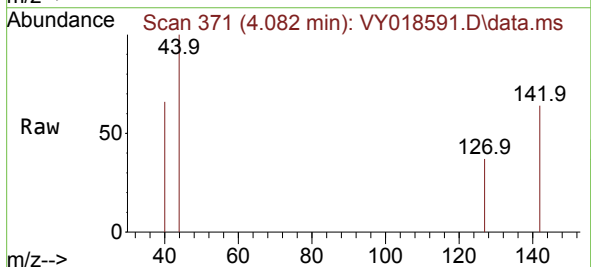


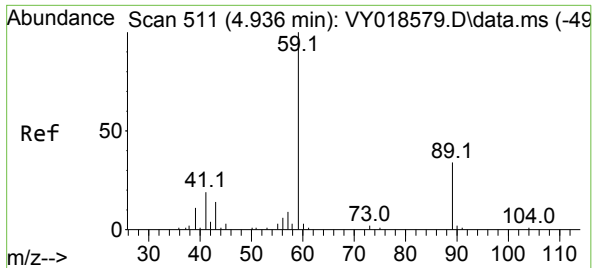
Tgt Ion: 94 Resp: 1154
Ion Ratio Lower Upper
94 100
96 53.9 74.1 111.1#



#10
Methyl Iodide
Concen: 3.394 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

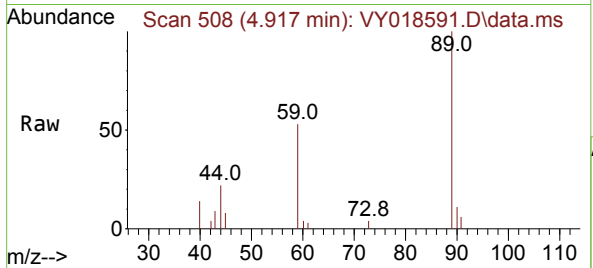
Tgt Ion:142 Resp: 269
Ion Ratio Lower Upper
142 100
127 24.2 32.8 49.2#
141 0.0 11.4 17.2#



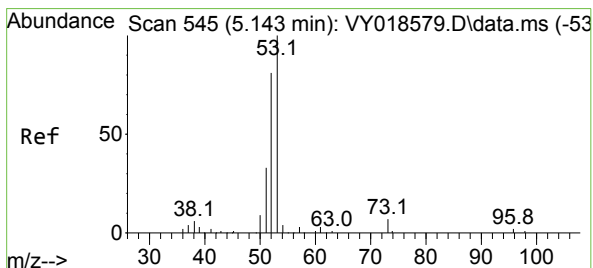
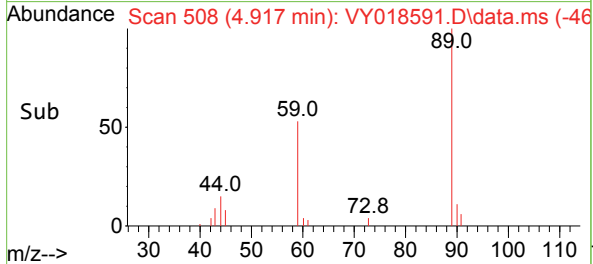
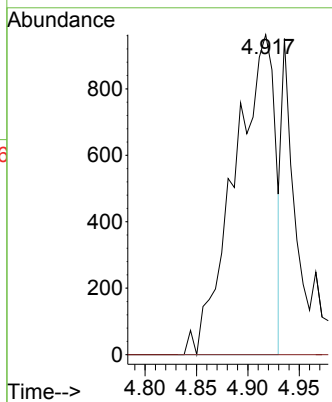


#11
Tert butyl alcohol
Concen: 170.469 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.019 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

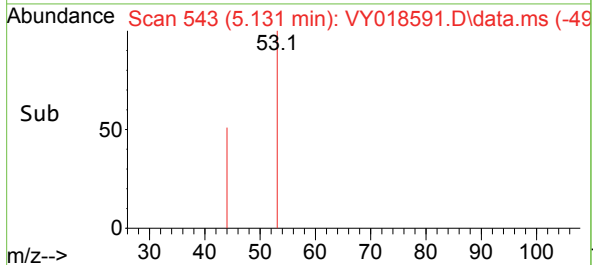
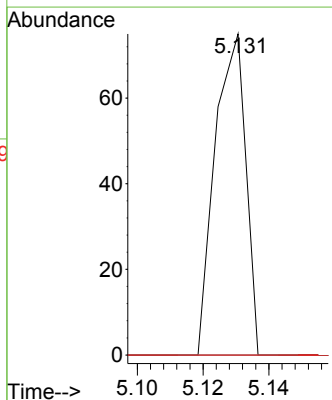
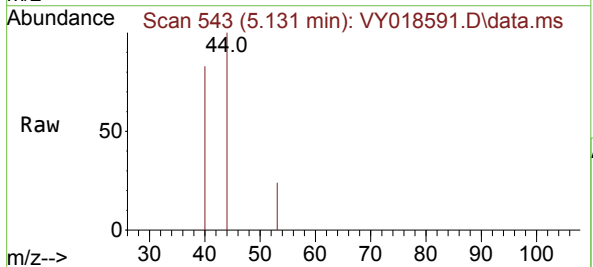


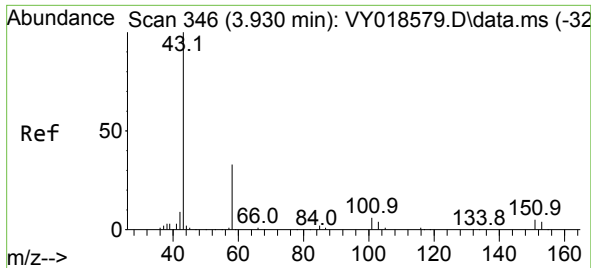
Tgt Ion: 59 Resp: 2654
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#



#15
Acrylonitrile
Concen: 2.484 ug/l
RT: 5.131 min Scan# 543
Delta R.T. -0.012 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Tgt Ion: 53 Resp: 49
Ion Ratio Lower Upper
53 100
52 0.0 64.7 97.1#
51 0.0 28.4 42.6#

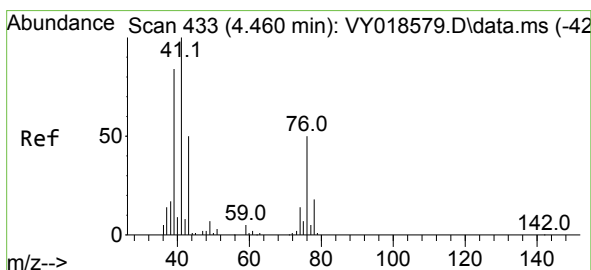
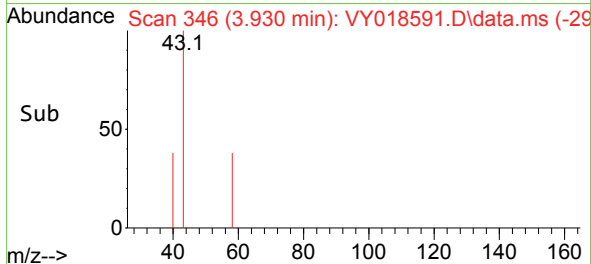
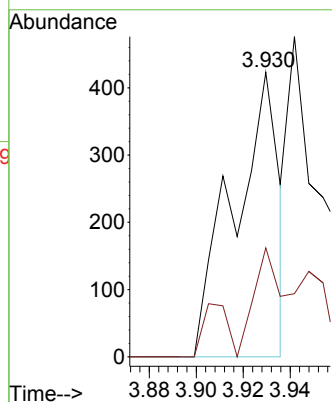
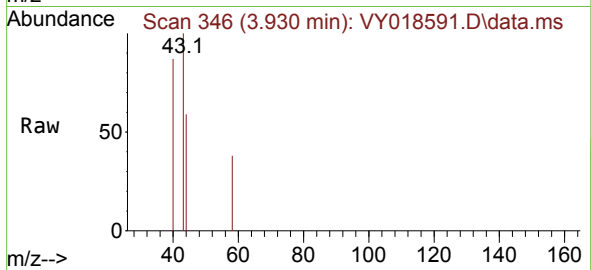




#16
Acetone
Concen: 32.142 ug/l
RT: 3.930 min Scan# 346
Delta R.T. -0.000 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

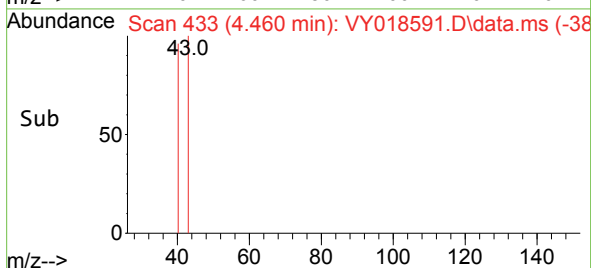
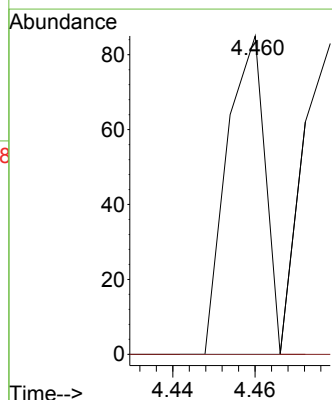
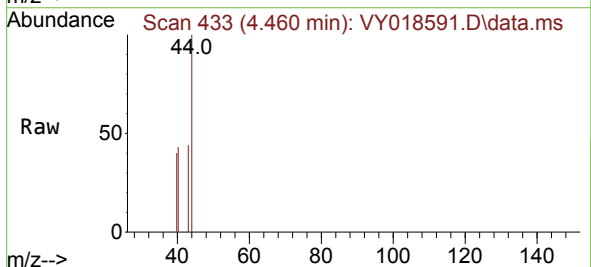
Instrument :
MSVOA_Y
ClientSampleId :

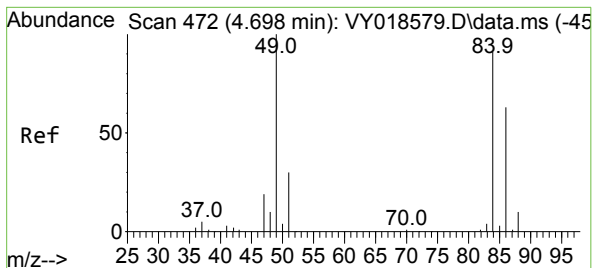
Tgt Ion: 43 Resp: 566
Ion Ratio Lower Upper
43 100
58 38.3 31.7 47.5



#18
Methyl Acetate
Concen: 1.209 ug/l
RT: 4.460 min Scan# 433
Delta R.T. -0.000 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





#20

Methylene Chloride

Concen: 165.580 ug/l

RT: 4.704 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 15722

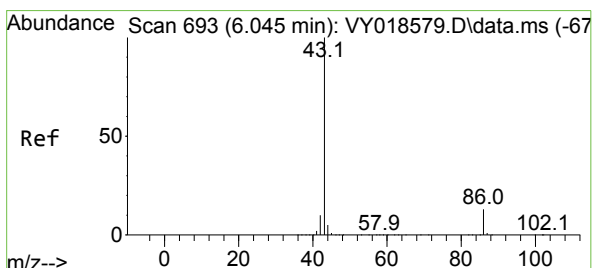
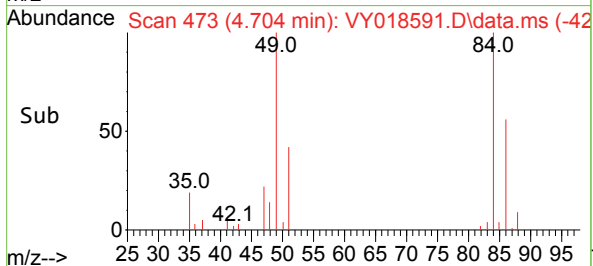
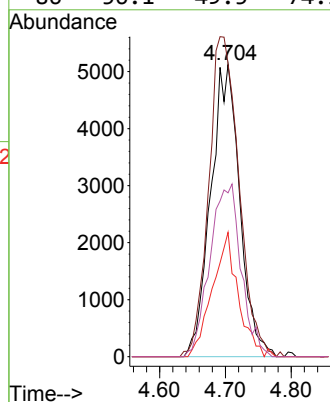
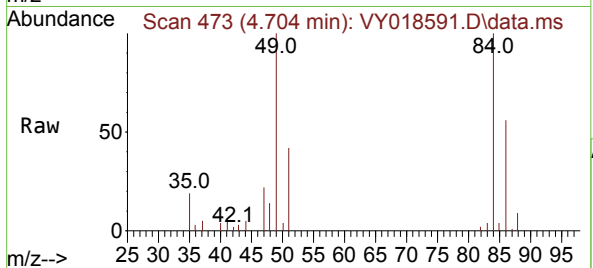
Ion Ratio Lower Upper

84 100

49 100.3 84.4 126.6

51 42.5 26.0 39.0#

86 56.1 49.5 74.3



#23

Vinyl Acetate

Concen: 23.908 ug/l

RT: 6.039 min Scan# 692

Delta R.T. -0.006 min

Lab File: VY018591.D

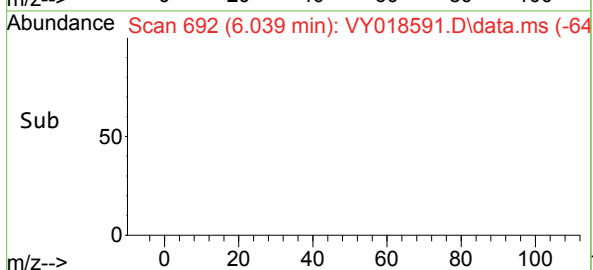
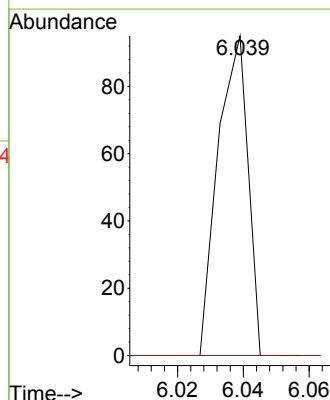
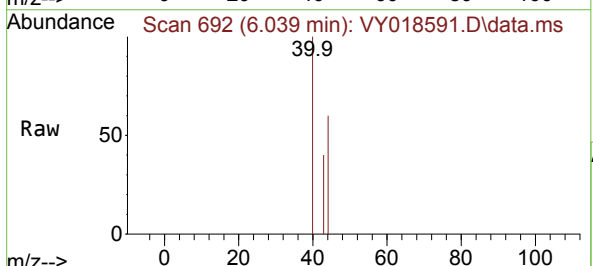
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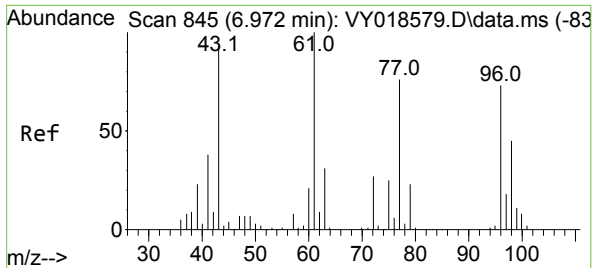
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

86 0.0 10.6 16.0#





#25

2-Butanone

Concen: 21.367 ug/l

RT: 6.953 min Scan# 842

Delta R.T. -0.019 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

Instrument :

MSVOA_Y

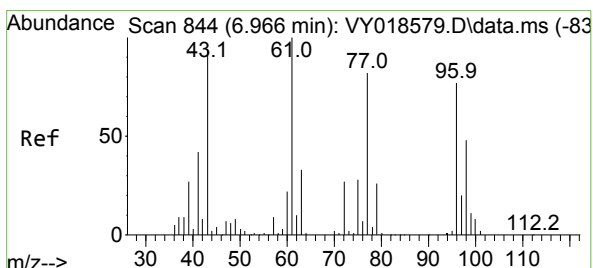
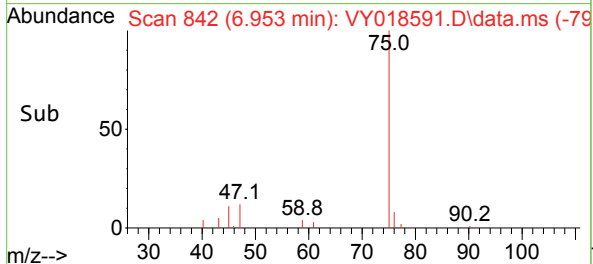
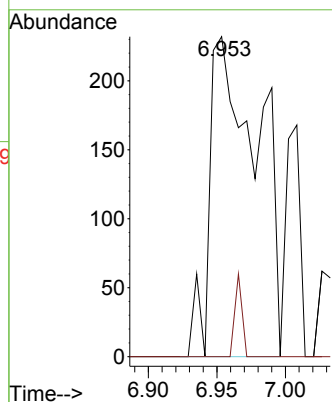
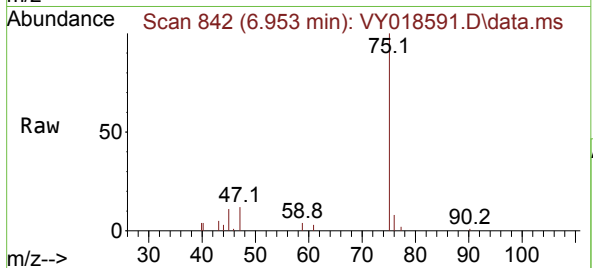
ClientSampleId :

Tgt Ion: 43 Resp: 564

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#26

2,2-Dichloropropane

Concen: 4.833 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.000 min

Lab File: VY018591.D

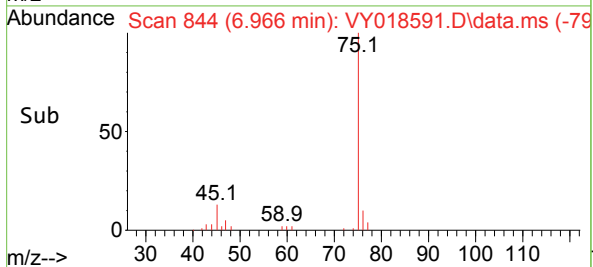
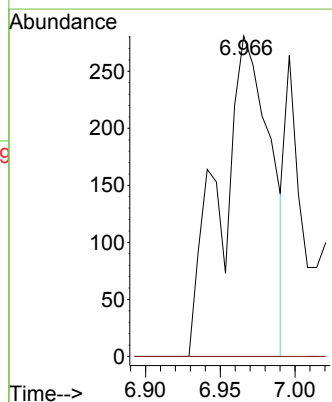
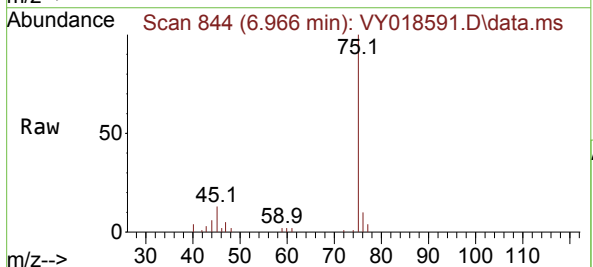
Acq: 14 Jun 2024 13:43

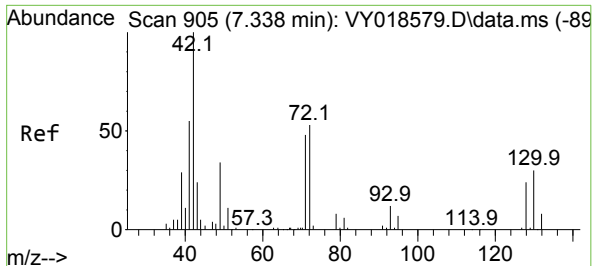
Tgt Ion: 77 Resp: 652

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#29

Tetrahydrofuran

Concen: 2.408 ug/l

RT: 7.399 min Scan# 915

Delta R.T. 0.061 min

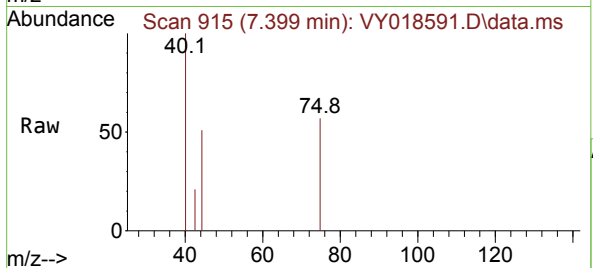
Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

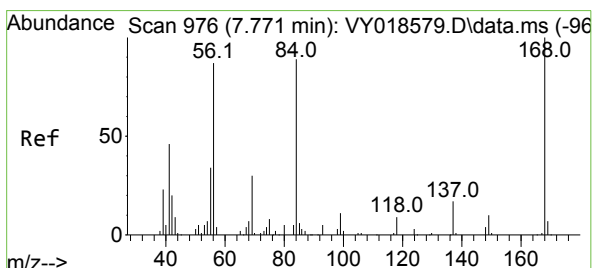
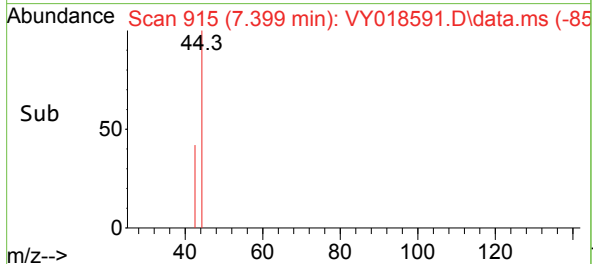
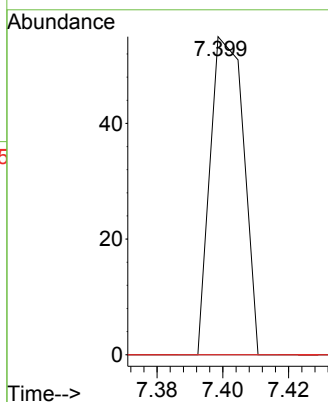
Instrument :

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#



#31

Cyclohexane

Concen: 1.169 ug/l

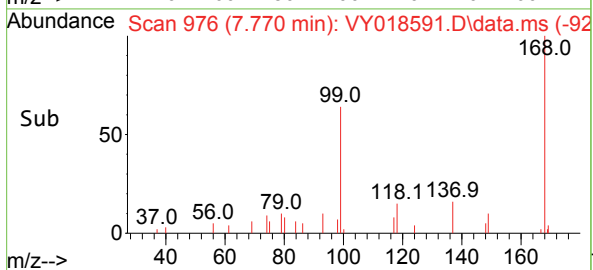
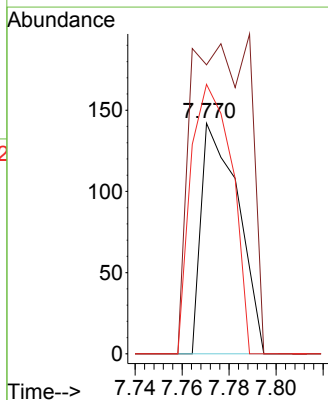
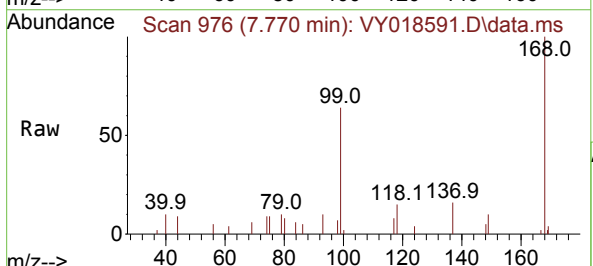
RT: 7.770 min Scan# 976

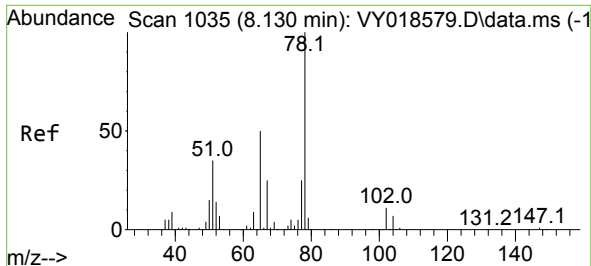
Delta R.T. -0.000 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

Tgt Ion:	56	Resp:	155
Ion	Ratio	Lower	Upper
56	100		
69	125.4	28.7	43.1#
84	116.9	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 74.497 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

Instrument :

MSVOA_Y

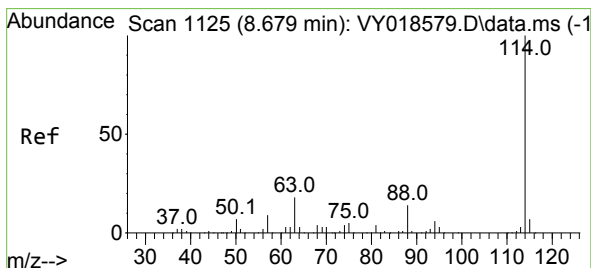
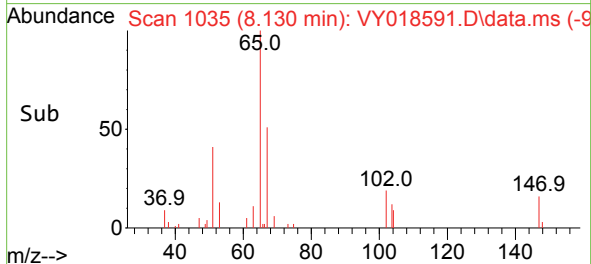
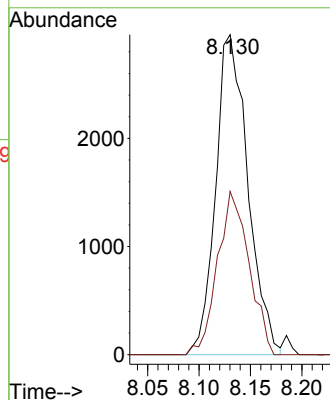
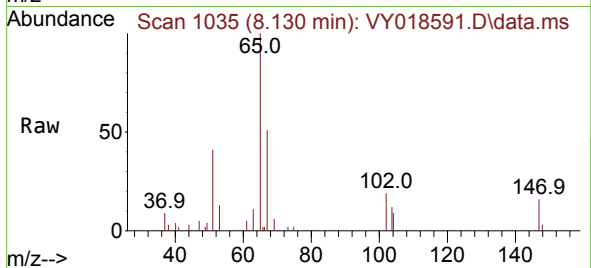
ClientSampleId :

Tgt Ion: 65 Resp: 6448

Ion Ratio Lower Upper

65 100

67 50.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

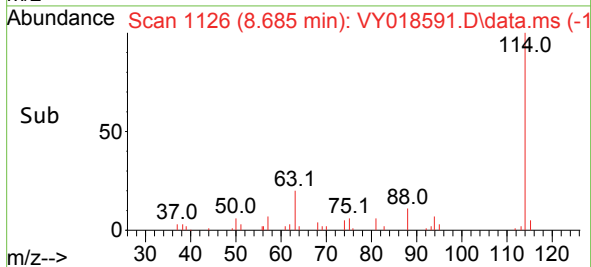
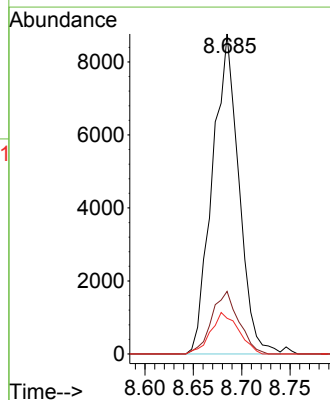
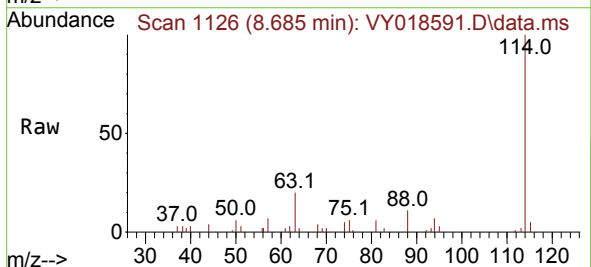
Tgt Ion: 114 Resp: 16705

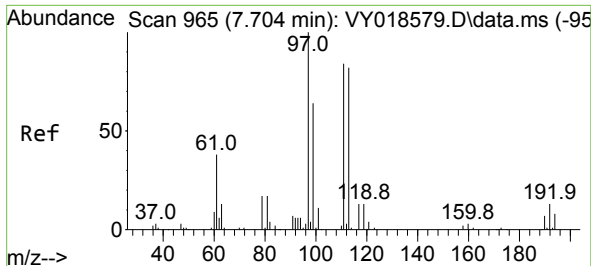
Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.0

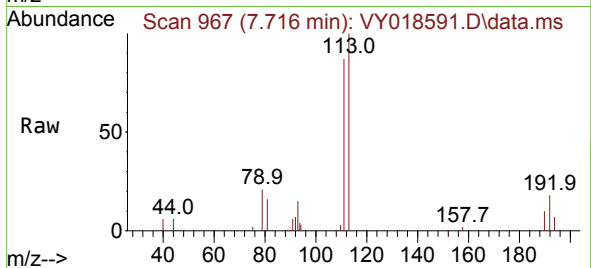
88 11.2 0.0 27.2



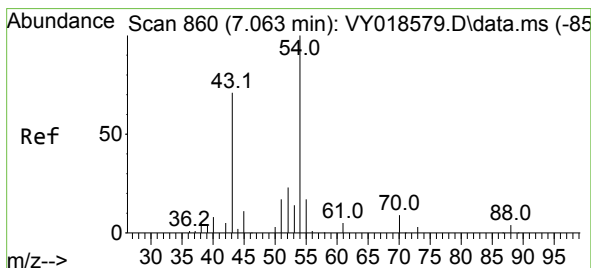
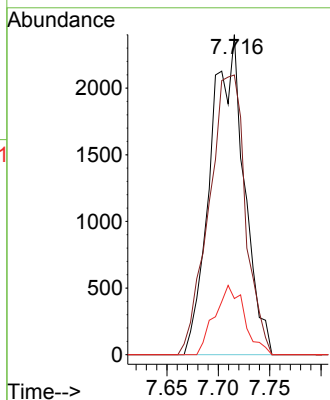
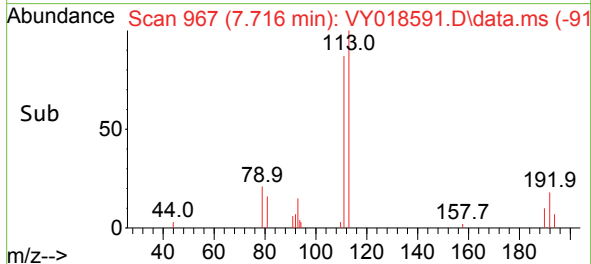


#35
Dibromofluoromethane
Concen: 53.659 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.012 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

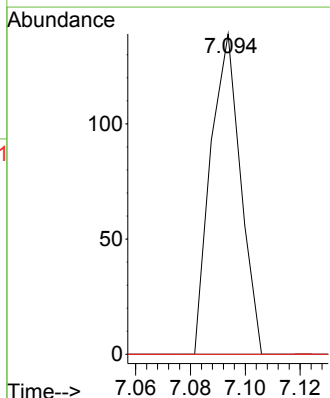
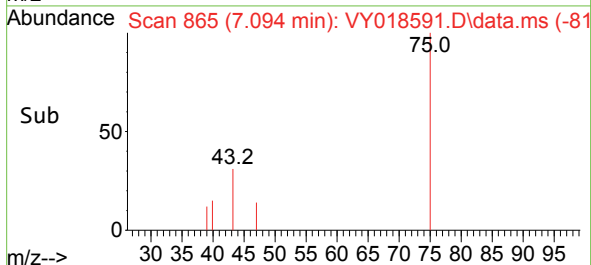
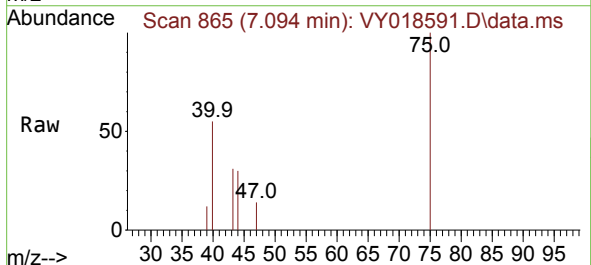


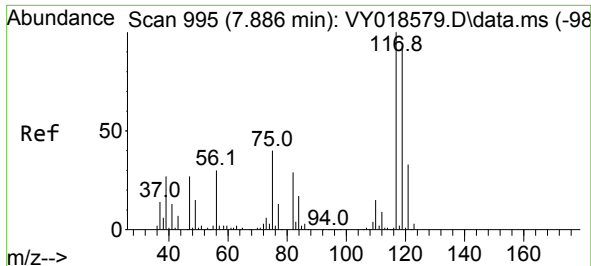
Tgt Ion:113 Resp: 5468
Ion Ratio Lower Upper
113 100
111 94.4 82.2 123.4
192 19.2 15.9 23.9



#37
Ethyl Acetate
Concen: 1.588 ug/l
RT: 7.094 min Scan# 865
Delta R.T. 0.030 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

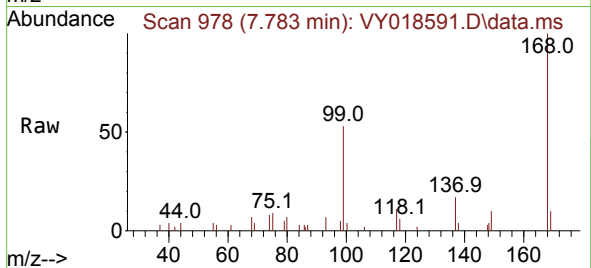
Tgt Ion: 43 Resp: 105
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



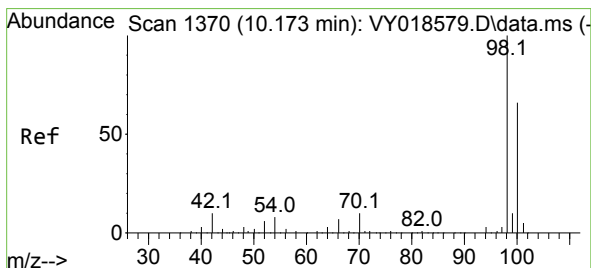
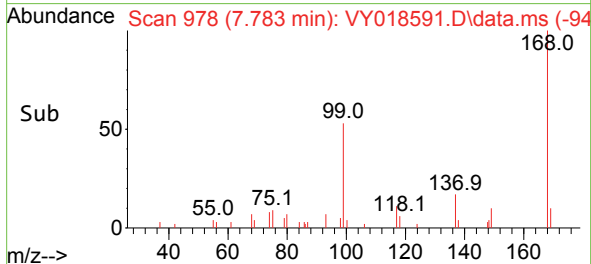
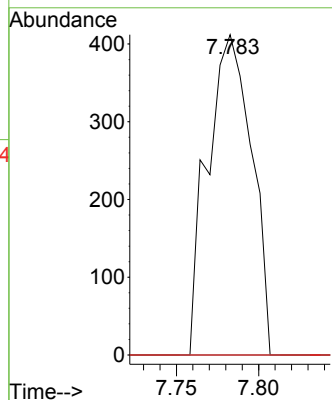


#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

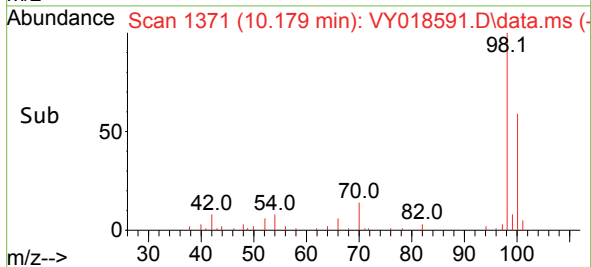
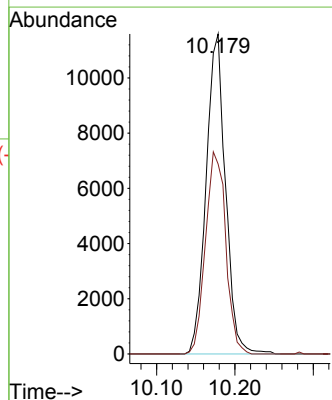
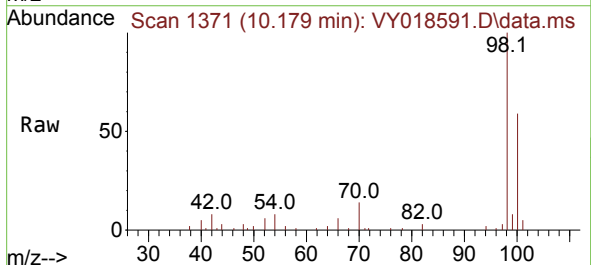


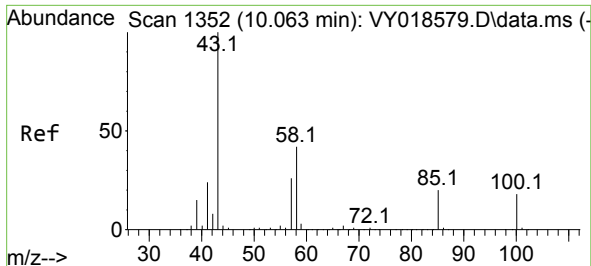
Tgt Ion:117 Resp: 770
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.808 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Tgt Ion: 98 Resp: 19911
Ion Ratio Lower Upper
98 100
100 65.9 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.307 ug/l

RT: 10.069 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY018591.D

Acq: 14 Jun 2024 13:43

Instrument :

MSVOA_Y

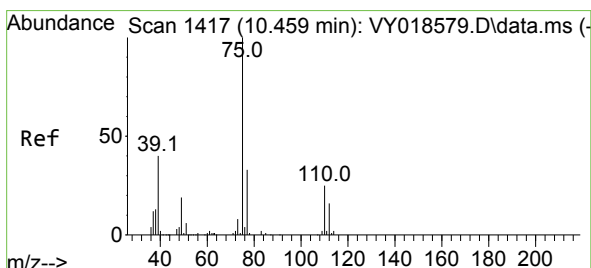
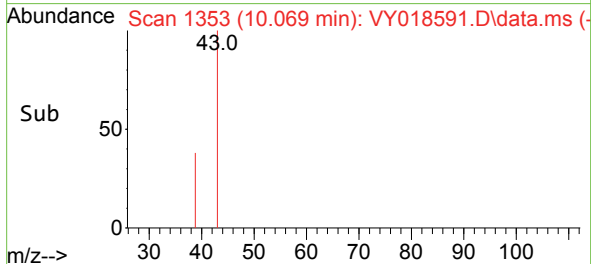
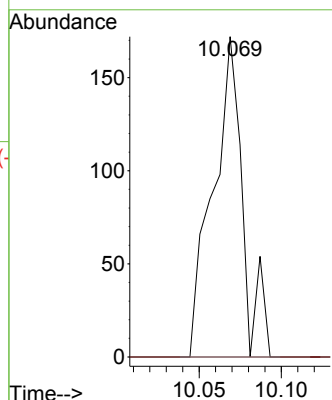
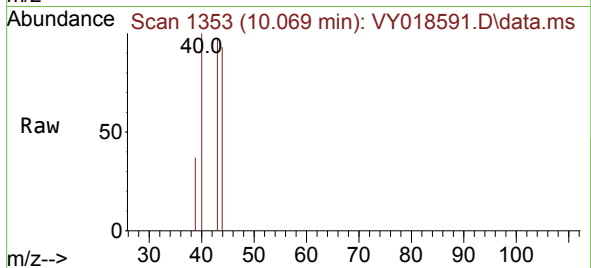
ClientSampleId :

Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#53

t-1,3-Dichloropropene

Concen: 2.181 ug/l

RT: 10.581 min Scan# 1437

Delta R.T. 0.122 min

Lab File: VY018591.D

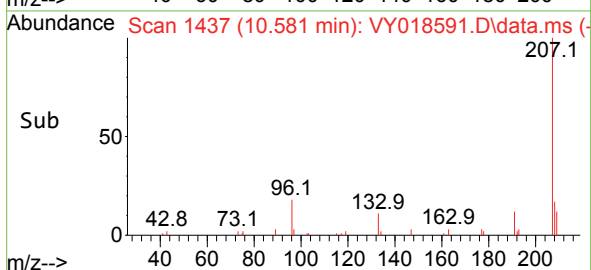
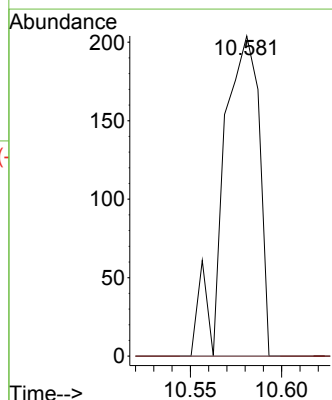
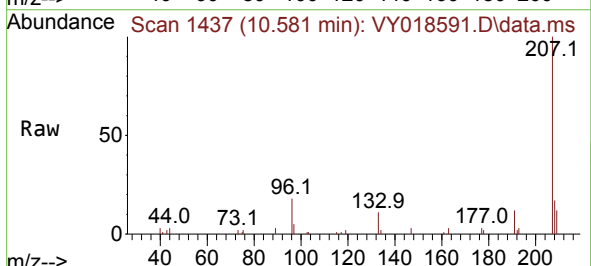
Acq: 14 Jun 2024 13:43

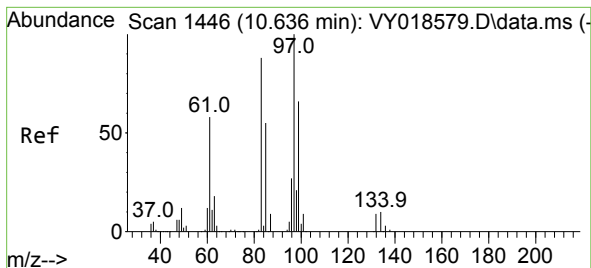
Tgt Ion: 75 Resp: 280

Ion Ratio Lower Upper

75 100

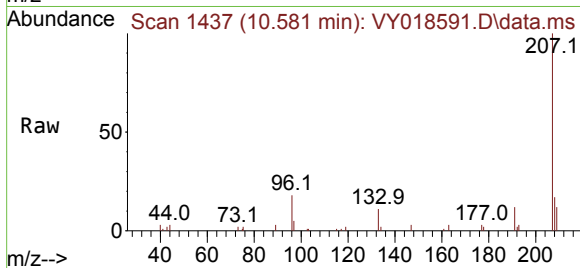
77 0.0 24.1 36.1#



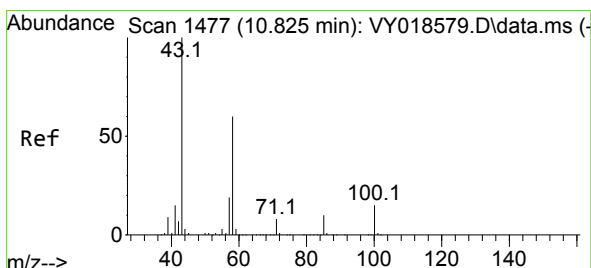
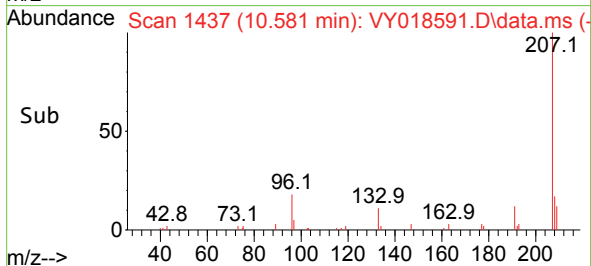
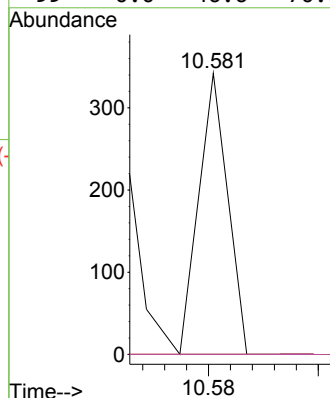


#55
1,1,2-Trichloroethane
Concen: 1.527 ug/l
RT: 10.581 min Scan# 1446
Delta R.T. -0.055 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Instrument :
MSVOA_Y
ClientSampleId :

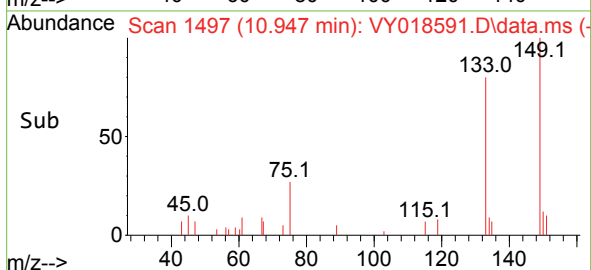
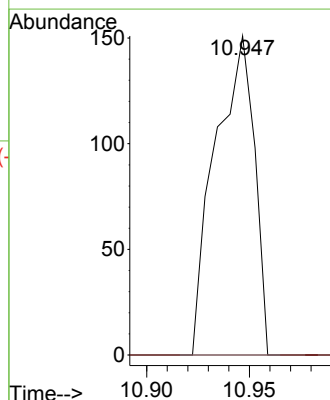
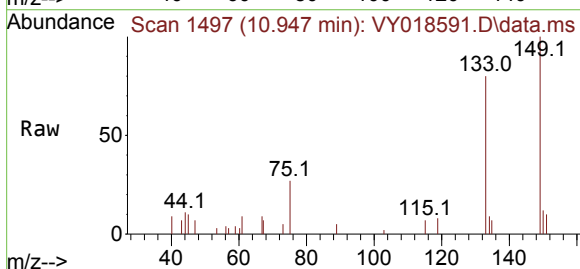


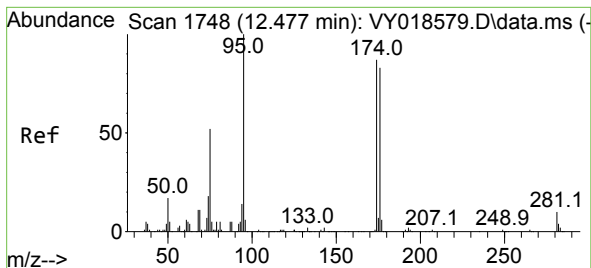
Tgt Ion: 97 Resp: 125
Ion Ratio Lower Upper
97 100
83 0.0 67.5 101.3#
85 0.0 42.9 64.3#
99 0.0 46.6 70.0#



#59
2-Hexanone
Concen: 4.392 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. 0.122 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

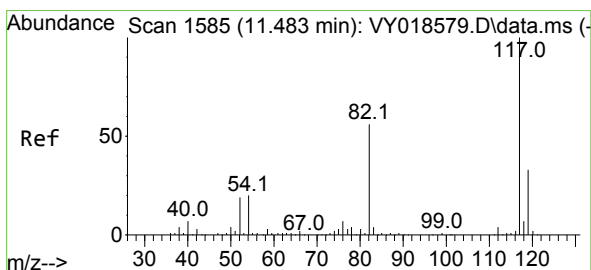
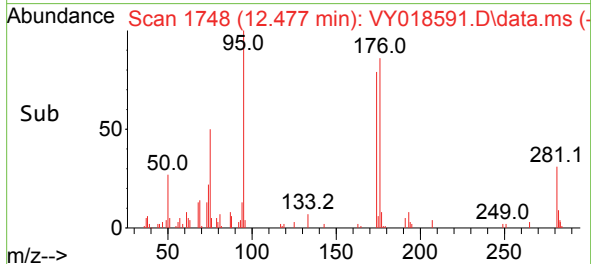
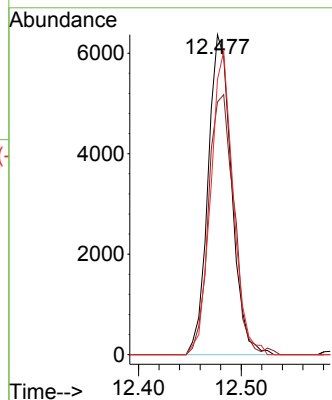
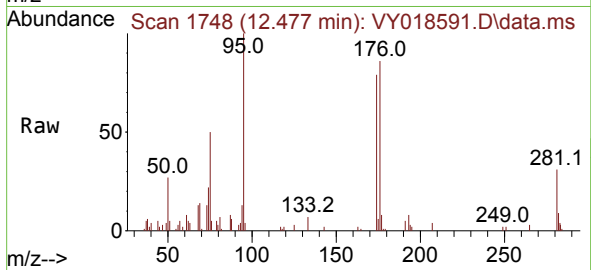




#62
4-Bromofluorobenzene
Concen: 81.950 ug/l
RT: 12.477 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

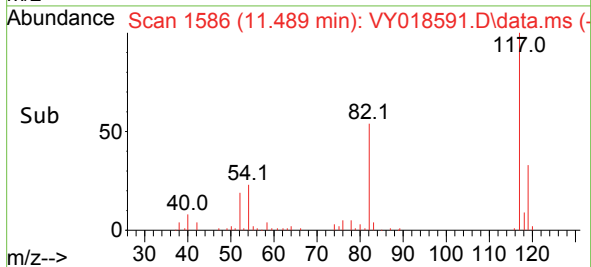
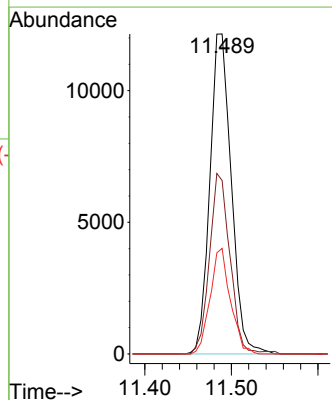
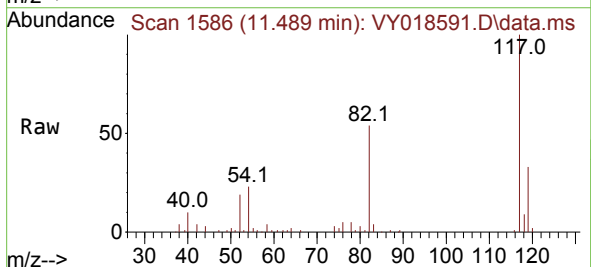
Instrument :
MSVOA_Y
ClientSampleId :

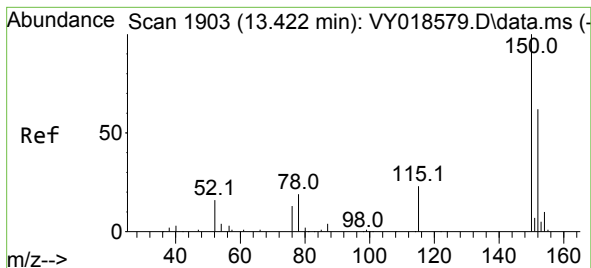
Tgt Ion: 95 Resp: 10141
Ion Ratio Lower Upper
95 100
174 87.7 0.0 175.6
176 91.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018591.D
Acq: 14 Jun 2024 13:43

Tgt Ion: 117 Resp: 20919
Ion Ratio Lower Upper
117 100
82 54.2 42.4 63.6
119 33.0 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: VY018591.D

Acq: 14 Jun 2024 13:43

Instrument :

MSVOA_Y

ClientSampleId :

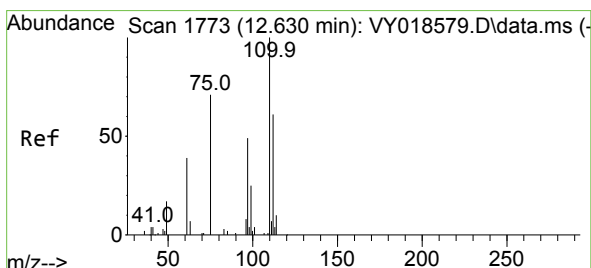
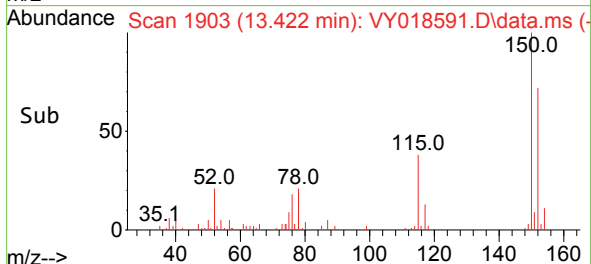
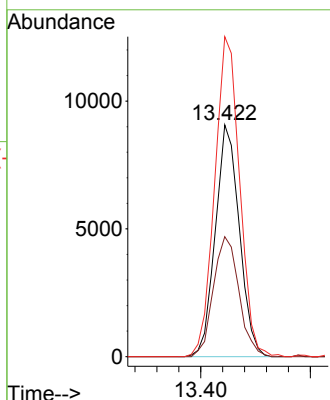
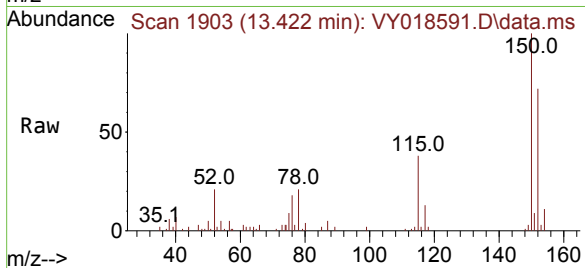
Tgt Ion:152 Resp: 13790

Ion Ratio Lower Upper

152 100

115 55.0 28.2 84.7

150 143.5 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 45.757 ug/l

RT: 12.471 min Scan# 1747

Delta R.T. -0.159 min

Lab File: VY018591.D

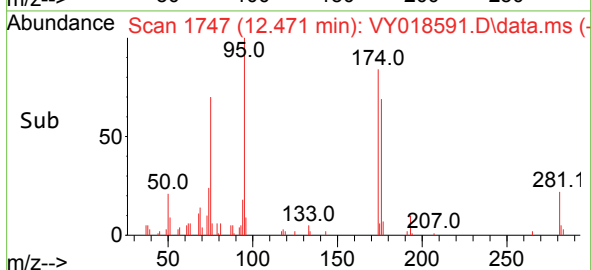
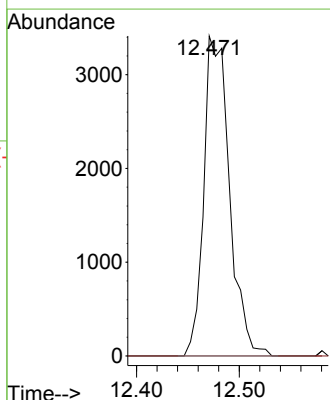
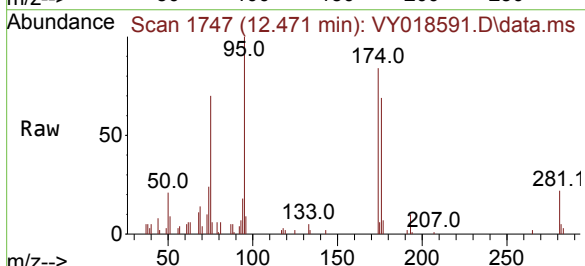
Acq: 14 Jun 2024 13:43

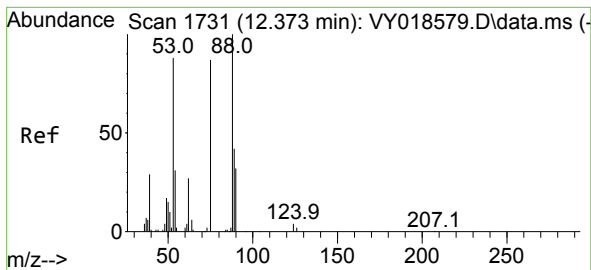
Tgt Ion: 75 Resp: 5919

Ion Ratio Lower Upper

75 100

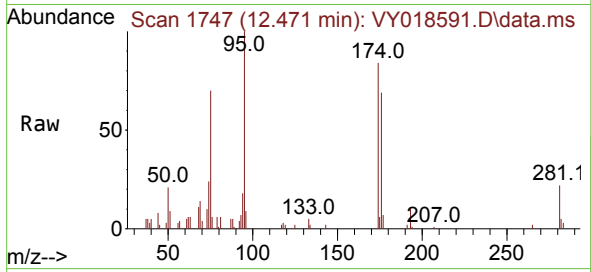
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.856 ug/l
 RT: 12.471 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY018591.D
 Acq: 14 Jun 2024 13:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 5919
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.5 35.8 53.6#

