

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061024\
 Data File : VY018544.D
 Acq On : 10 Jun 2024 12:36
 Operator : SY/MD
 Sample : P2795-03
 Misc : 6.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 11 01:54:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060324S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 07:11:56 2024
 Response via : Initial Calibration

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

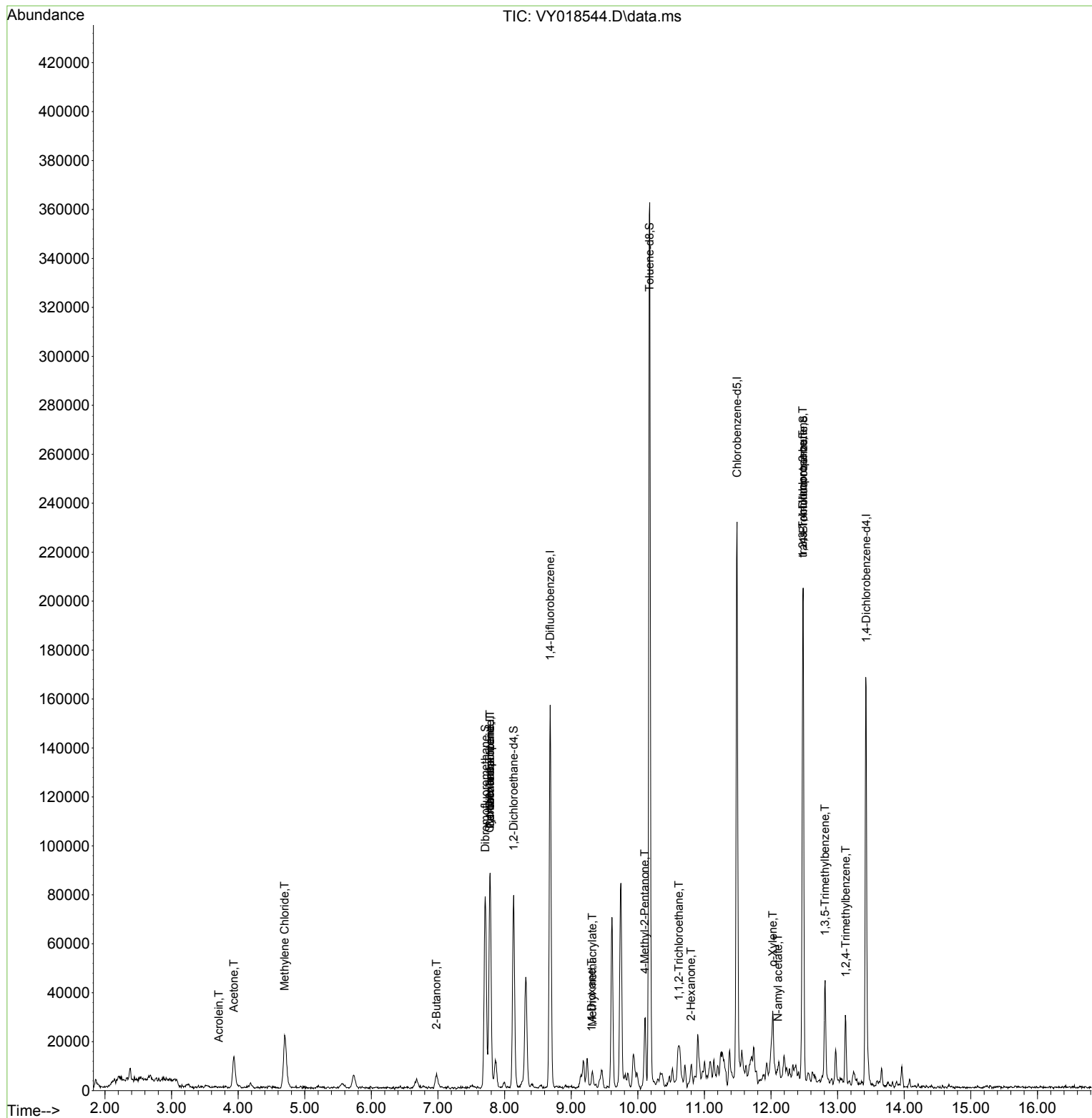
Internal Standards						
1) Pentafluorobenzene	7.783	168	62788	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	127062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	114342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	38744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	56409	45.747	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.500%		
35) Dibromofluoromethane	7.710	113	56061	34.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	69.580%		
50) Toluene-d8	10.179	98	231440	36.107	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	72.220%		
62) 4-Bromofluorobenzene	12.483	95	58563	29.344	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	58.680%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.936	59	283	Below Cal	#	65
13) Acrolein	3.710	56	222	1.759	ug/l	90
16) Acetone	3.936	43	22482	82.148	ug/l	# 86
20) Methylene Chloride	4.698	84	14669	6.751	ug/l	# 83
25) 2-Butanone	6.978	43	9329	22.251	ug/l	# 72
31) Cyclohexane	7.777	56	2325	1.011	ug/l	# 23
36) 1,1-Dichloropropene	7.783	75	5836	2.376	ug/l	# 48
38) Carbon Tetrachloride	7.783	117	6567	2.667	ug/l	# 16
48) Methyl methacrylate	9.319	41	1762	1.669	ug/l	# 27
49) 1,4-Dioxane	9.307	88	20	1.578	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.105	43	3625	3.042	ug/l	# 49
55) 1,1,2-Trichloroethane	10.618	97	3928	3.128	ug/l	# 30
59) 2-Hexanone	10.801	43	3772	4.581	ug/l	# 25
69) o-Xylene	12.026	106	5148	1.591	ug/l	# 86
74) N-amyl acetate	12.105	43	2034	2.090	ug/l	# 40
76) 1,2,3-Trichloropropane	12.477	75	32734	68.135	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.812	105	19368	6.220	ug/l	# 97
81) trans-1,4-Dichloro-2-b...	12.477	75	32734	143.147	ug/l	# 16
84) 1,2,4-Trimethylbenzene	13.123	105	13998	4.592	ug/l	# 99

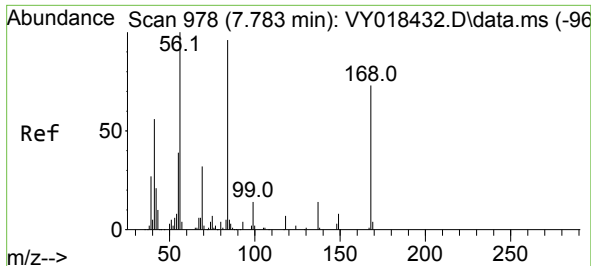
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 04 07:11:56 2024
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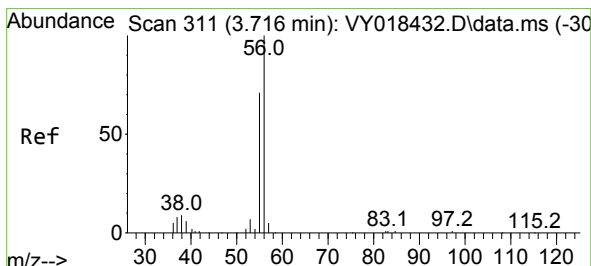
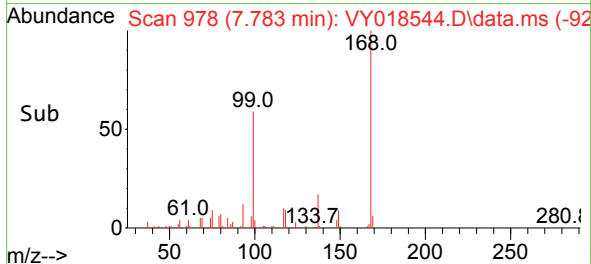
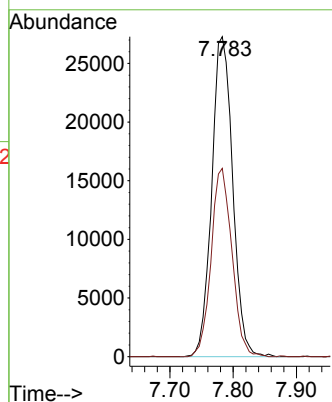
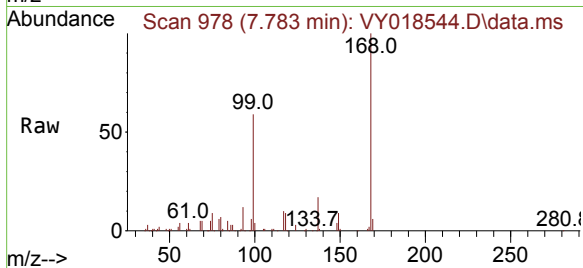




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

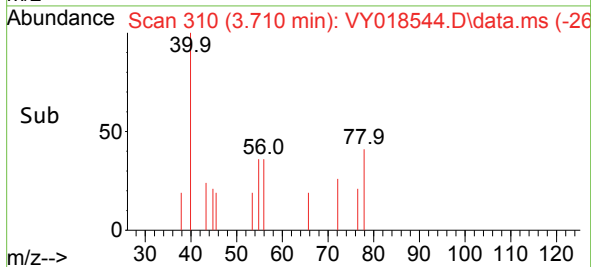
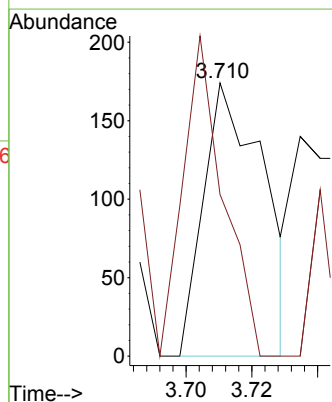
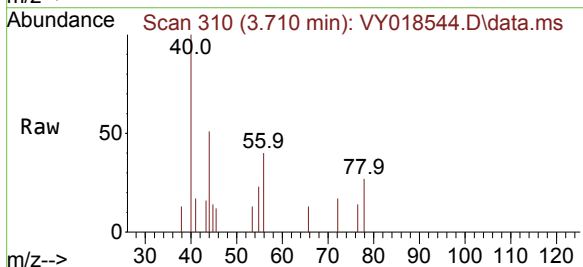
Instrument :
MSVOA_Y
ClientSampleId :

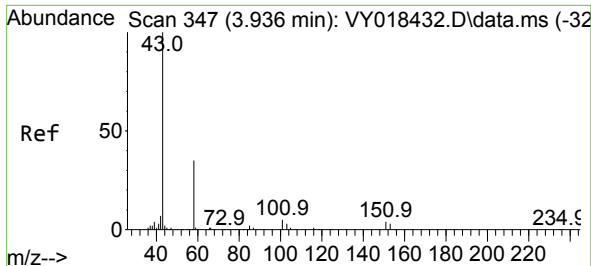
Tgt Ion:168 Resp: 62788
Ion Ratio Lower Upper
168 100
99 58.9 39.1 58.7#



#13
Acrolein
Concen: 1.759 ug/l
RT: 3.710 min Scan# 310
Delta R.T. -0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 77.9 55.7 83.5





#16

Acetone

Concen: 82.148 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.000 min

Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

Instrument :

MSVOA_Y

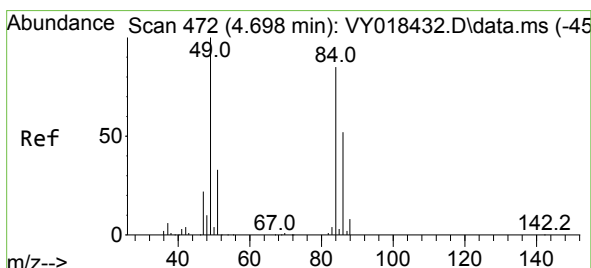
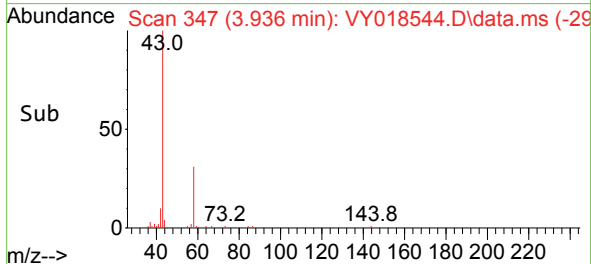
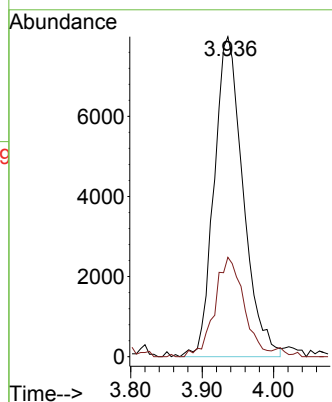
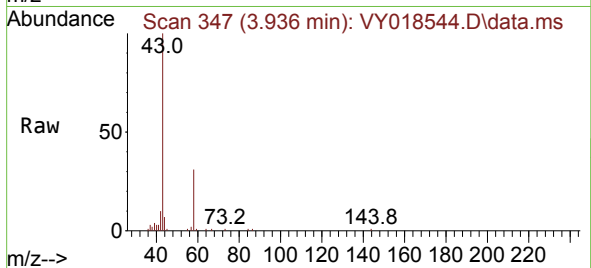
ClientSampleId :

Tgt Ion: 43 Resp: 22482

Ion Ratio Lower Upper

43 100

58 31.0 31.7 47.5#



#20

Methylene Chloride

Concen: 6.751 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.000 min

Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

Tgt Ion: 84 Resp: 14669

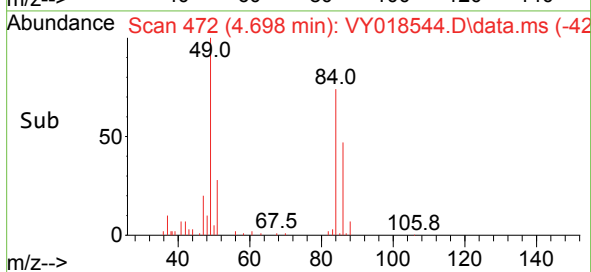
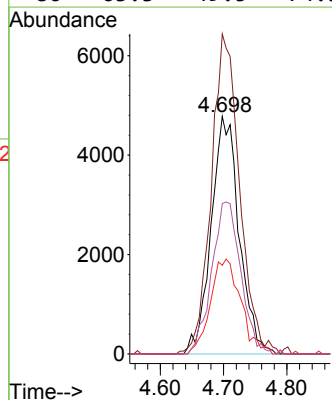
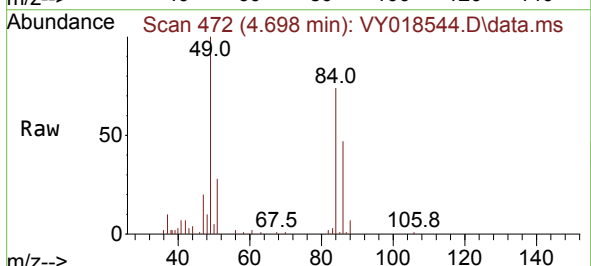
Ion Ratio Lower Upper

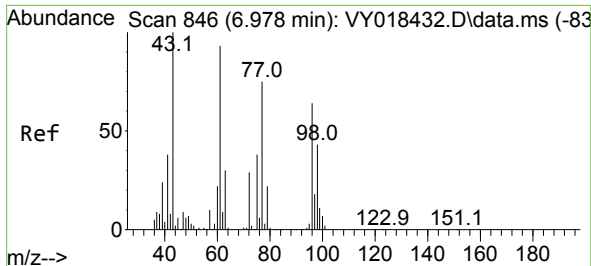
84 100

49 134.7 84.4 126.6#

51 37.3 26.0 39.0

86 63.3 49.5 74.3





#25

2-Butanone

Concen: 22.251 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

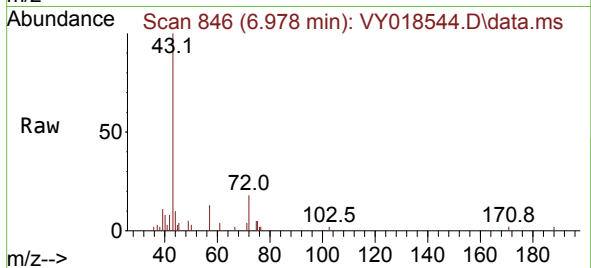
Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

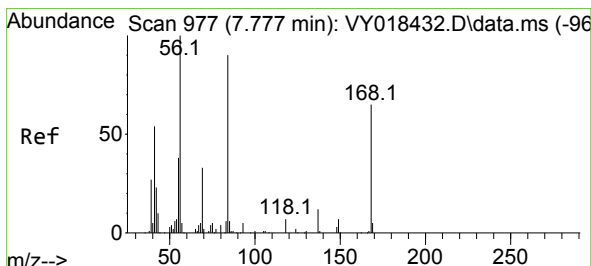
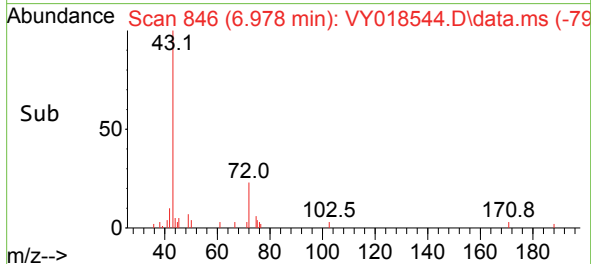
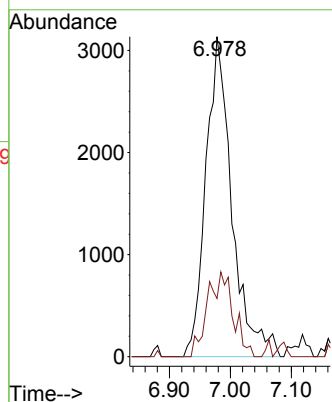


Tgt Ion: 43 Resp: 9329

Ion Ratio Lower Upper

43 100

72 18.2 27.3 40.9#



#31

Cyclohexane

Concen: 1.011 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

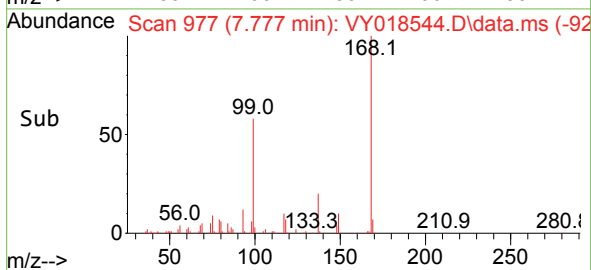
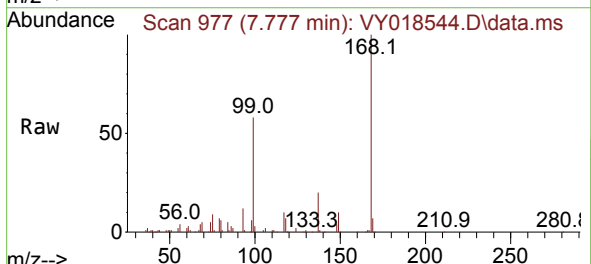
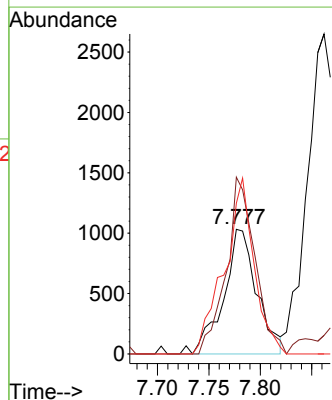
Tgt Ion: 56 Resp: 2325

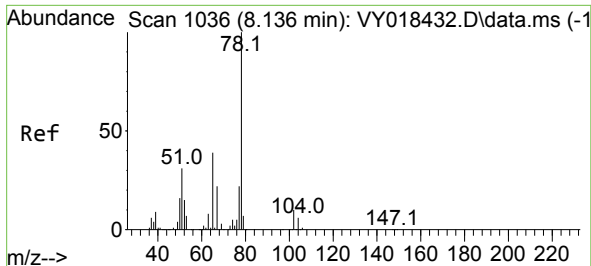
Ion Ratio Lower Upper

56 100

69 141.9 28.7 43.1#

84 135.2 77.7 116.5#

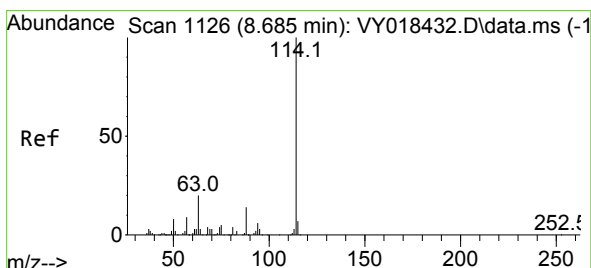
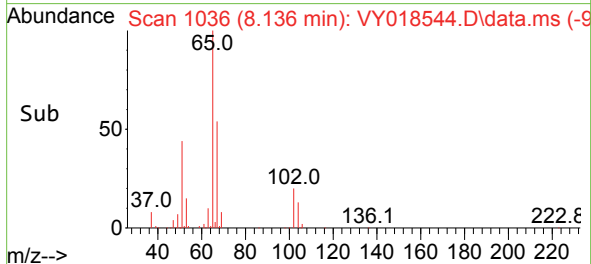
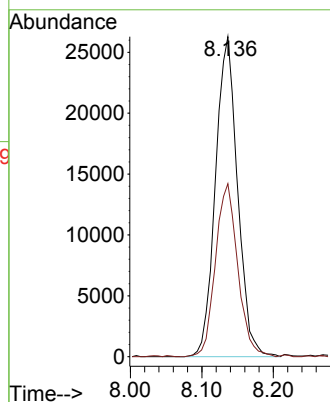
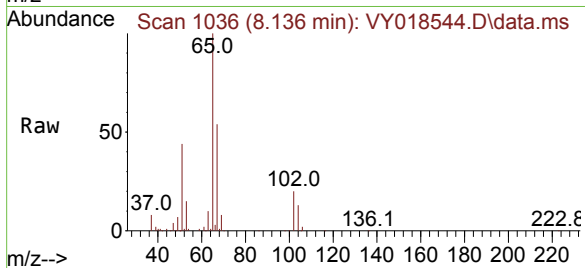




#33
 1,2-Dichloroethane-d4
 Concen: 45.747 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY018544.D
 Acq: 10 Jun 2024 12:36

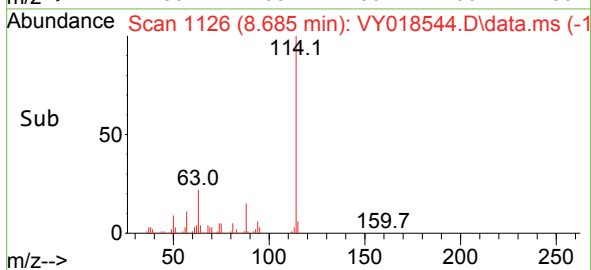
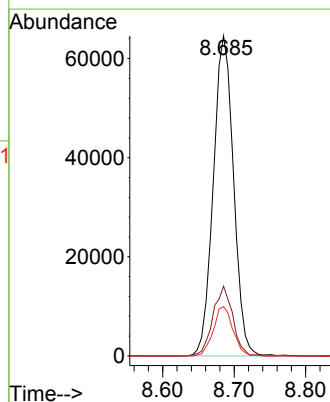
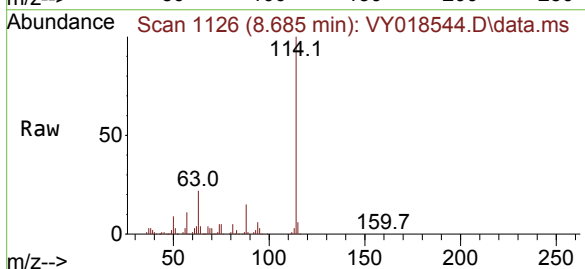
Instrument :
 MSVOA_Y
 ClientSampleId :

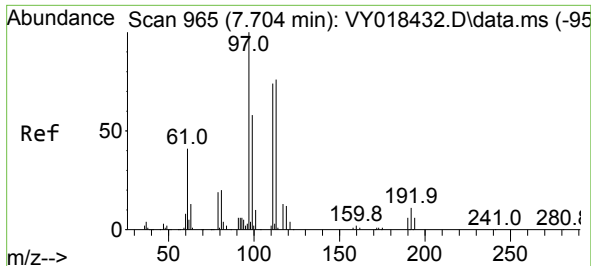
Tgt Ion: 65 Resp: 56409
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY018544.D
 Acq: 10 Jun 2024 12:36

Tgt Ion: 114 Resp: 127062
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 35.0
 88 15.4 0.0 27.2

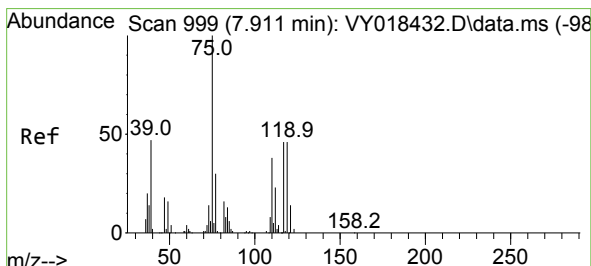
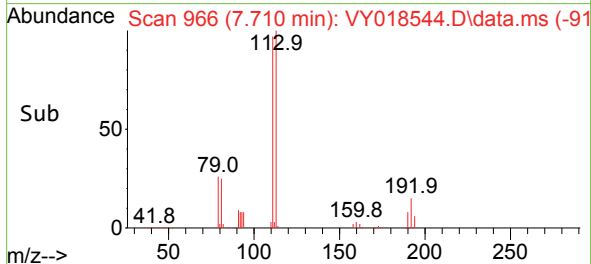
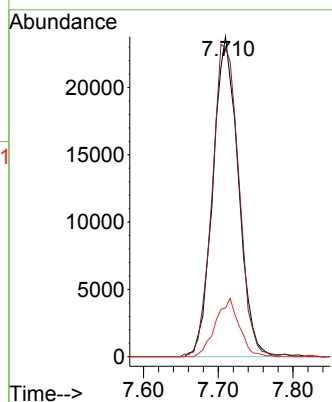
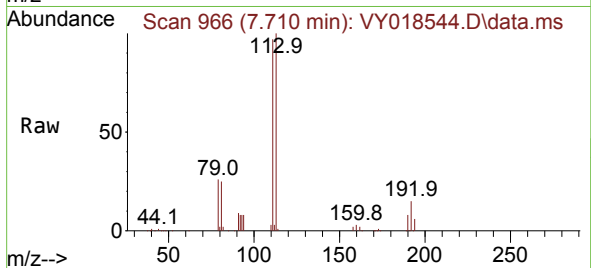




#35
Dibromofluoromethane
Concen: 34.794 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

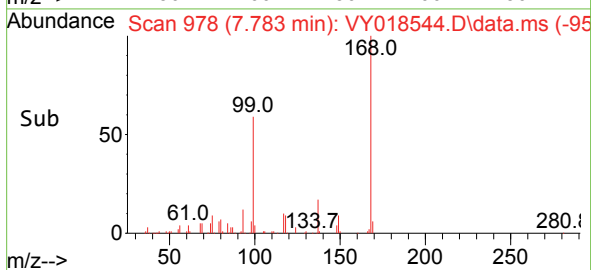
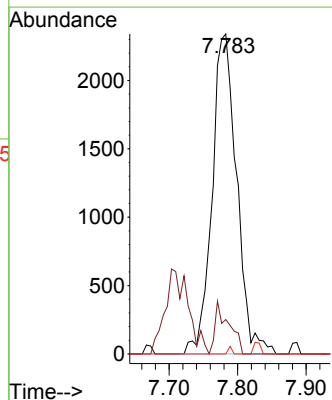
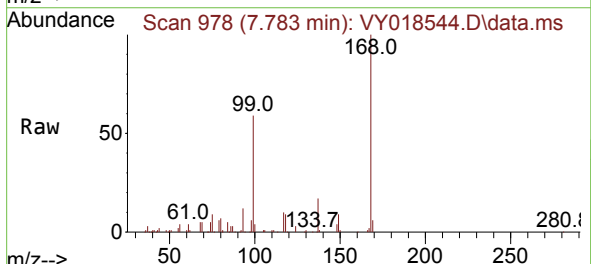
Instrument :
MSVOA_Y
ClientSampleId :

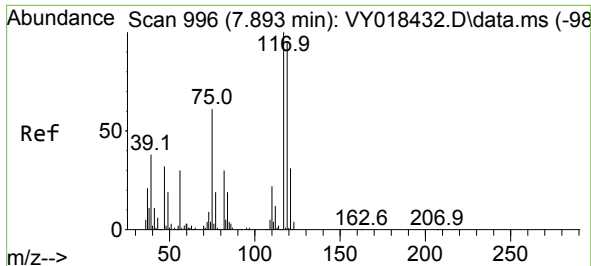
Tgt Ion:113 Resp: 56061
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.1 15.9 23.9



#36
1,1-Dichloropropene
Concen: 2.376 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

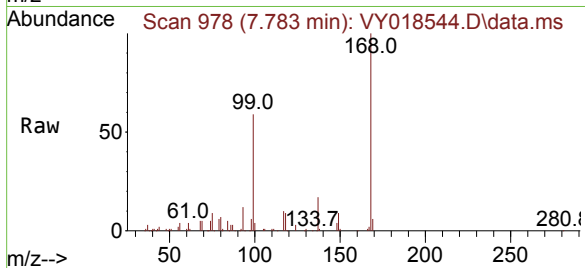
Tgt Ion: 75 Resp: 5836
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.3 25.3 37.9#



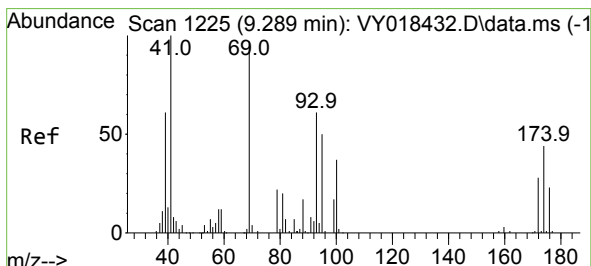
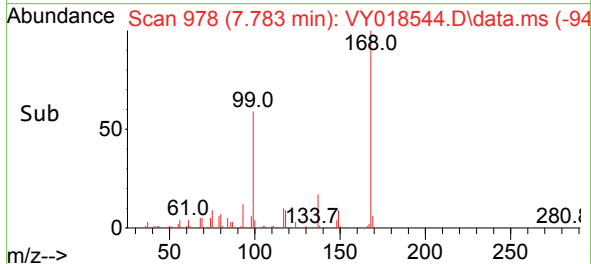
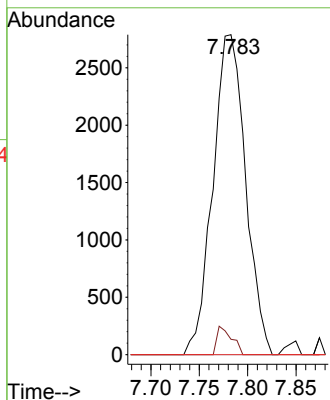


#38
Carbon Tetrachloride
Concen: 2.667 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Instrument :
MSVOA_Y
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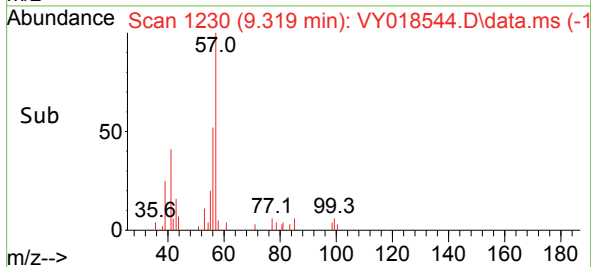
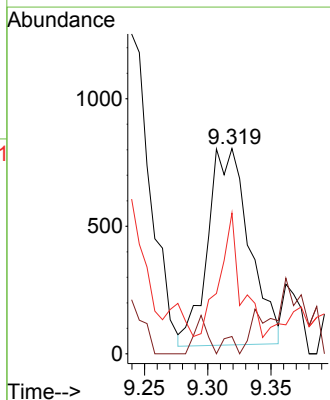
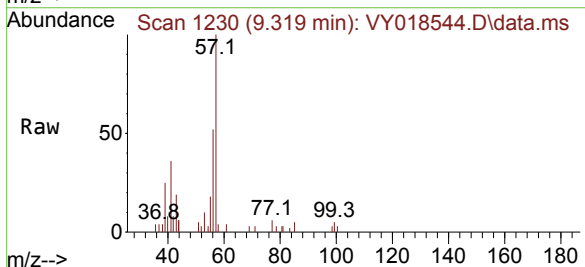


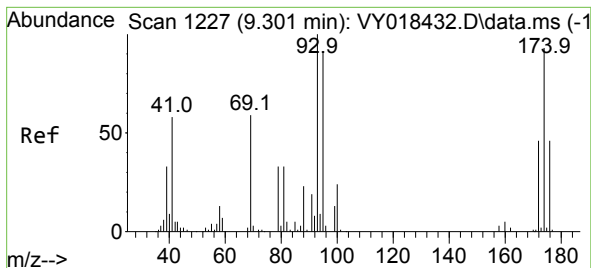
Tgt Ion: 117 Resp: 6567
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#



#48
Methyl methacrylate
Concen: 1.669 ug/l
RT: 9.319 min Scan# 1230
Delta R.T. 0.030 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 41 Resp: 1762
Ion Ratio Lower Upper
41 100
69 2.6 84.1 126.1#
39 39.4 43.6 65.4#





#49

1,4-Dioxane

Concen: 1.578 ug/l

RT: 9.307 min Scan# 11

Delta R.T. 0.006 min

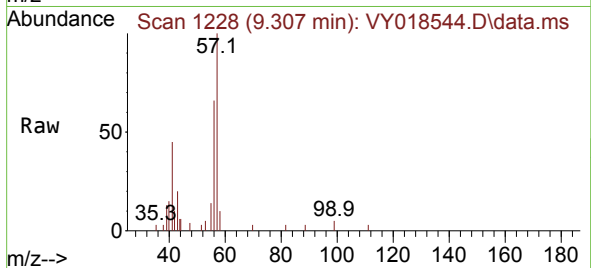
Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :



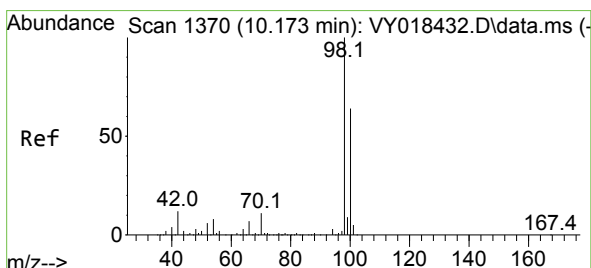
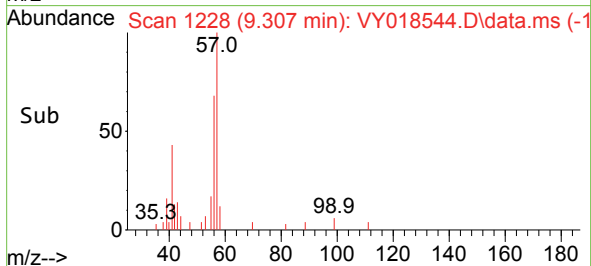
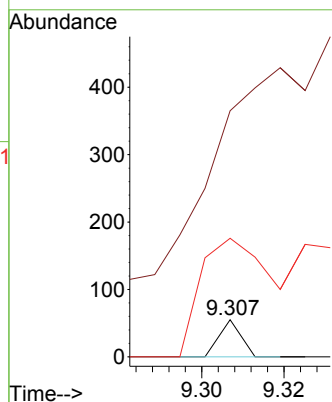
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 1045.0 49.3 73.9#



#50

Toluene-d8

Concen: 36.107 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY018544.D

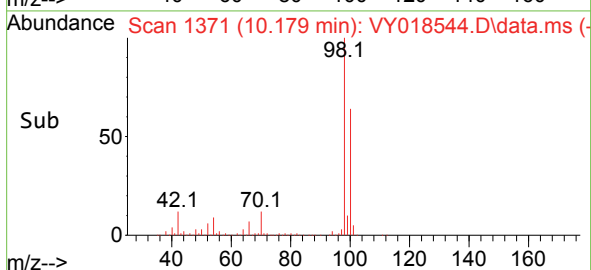
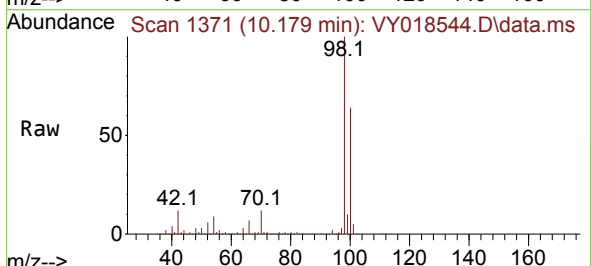
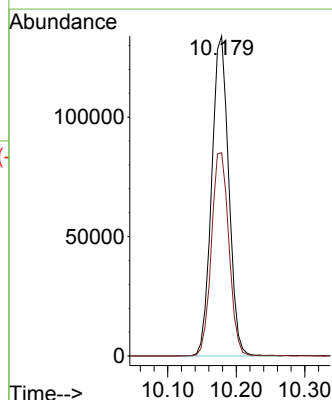
Acq: 10 Jun 2024 12:36

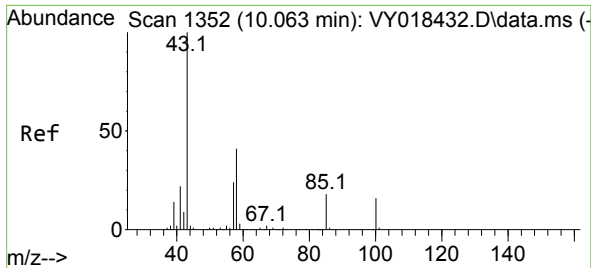
Tgt Ion: 98 Resp: 231440

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0

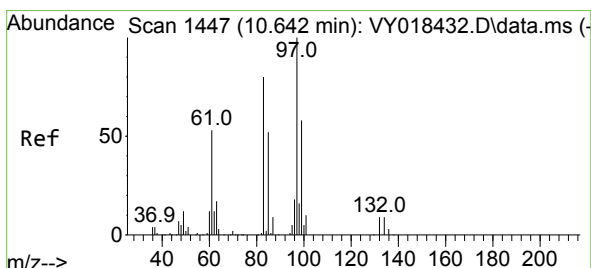
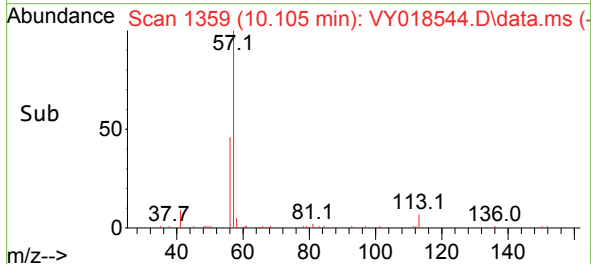
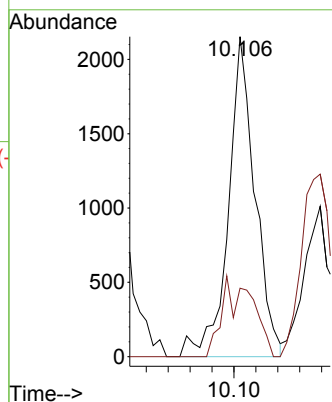
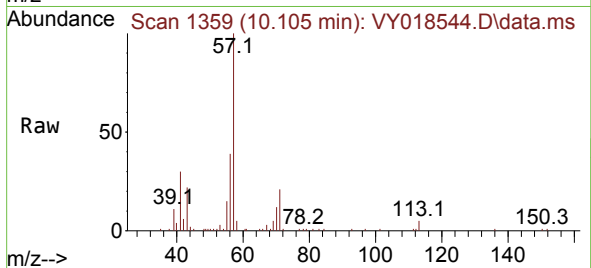




#51
4-Methyl-2-Pentanone
Concen: 3.042 ug/l
RT: 10.105 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

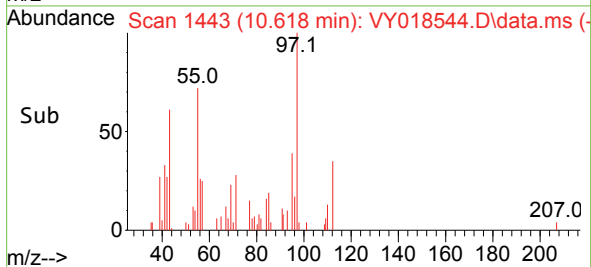
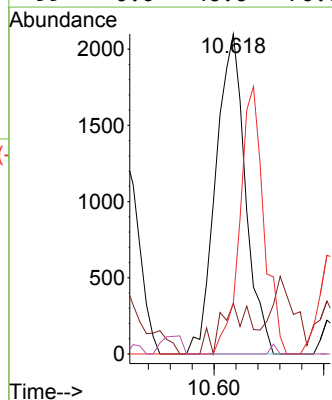
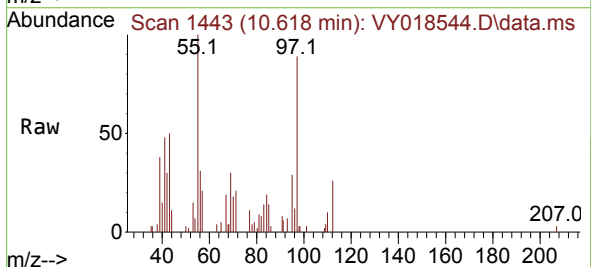
Instrument :
MSVOA_Y
ClientSampleId :

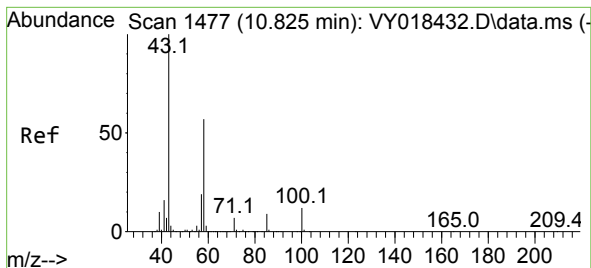
Tgt Ion: 43 Resp: 3625
Ion Ratio Lower Upper
43 100
58 11.6 35.7 53.5#



#55
1,1,2-Trichloroethane
Concen: 3.128 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 97 Resp: 3928
Ion Ratio Lower Upper
97 100
83 15.8 67.5 101.3#
85 16.0 42.9 64.3#
99 0.0 46.6 70.0#

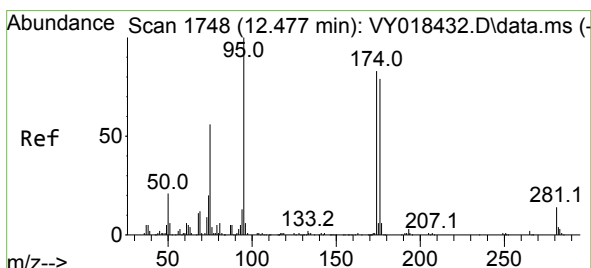
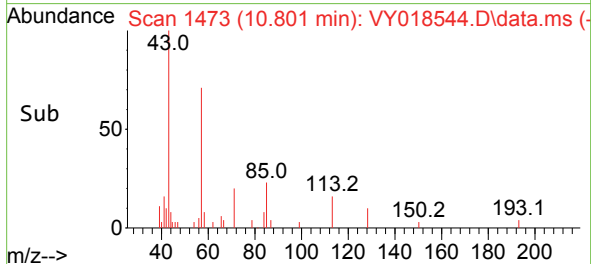
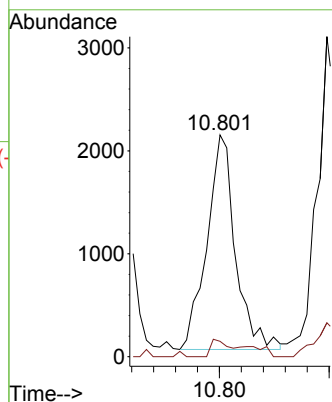
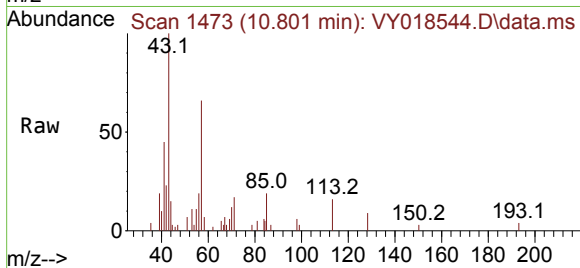




#59
2-Hexanone
Concen: 4.581 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.024 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

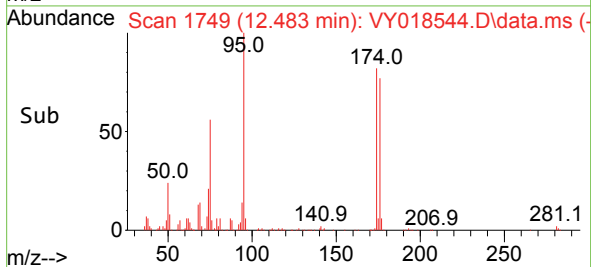
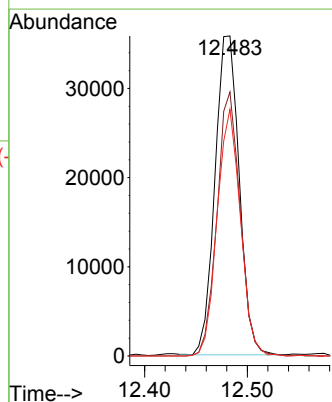
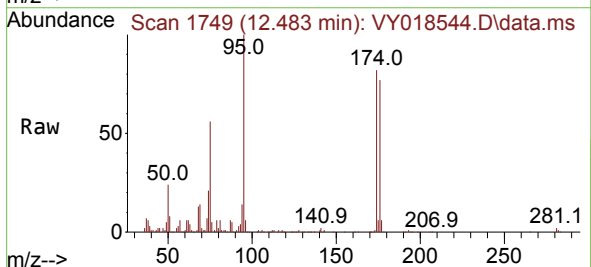
Instrument :
MSVOA_Y
ClientSampleId :

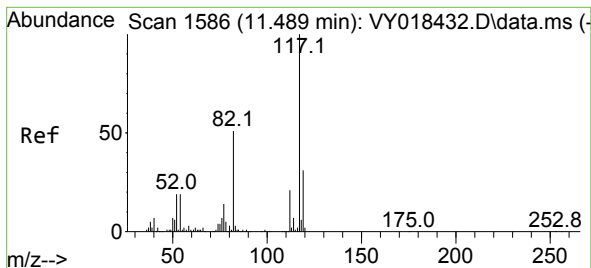
Tgt Ion: 43 Resp: 3772
Ion Ratio Lower Upper
43 100
58 4.9 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 29.344 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 95 Resp: 58563
Ion Ratio Lower Upper
95 100
174 79.0 0.0 175.6
176 74.1 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: VY018544.D

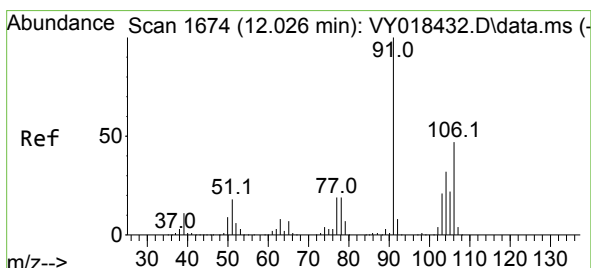
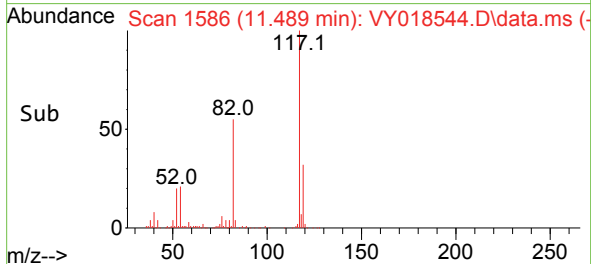
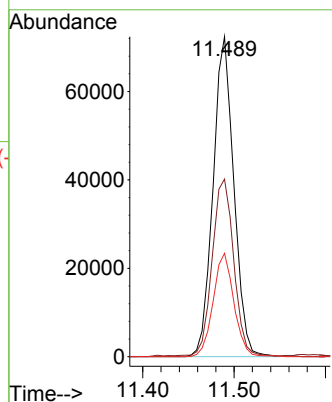
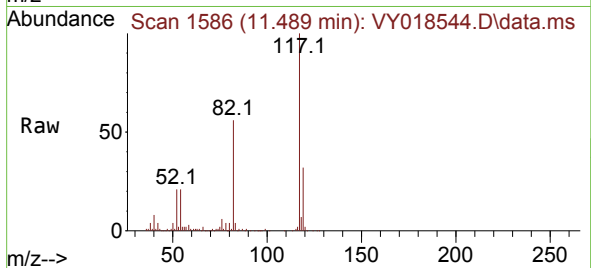
Acq: 10 Jun 2024 12:36

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	114342
Ion Ratio	Lower	Upper
117	100	
82	55.2	42.4 63.6
119	32.3	25.9 38.9



#69

o-Xylene

Concen: 1.591 ug/l

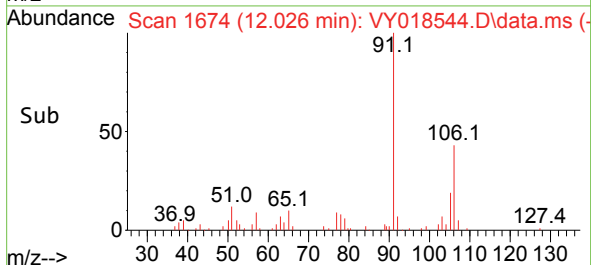
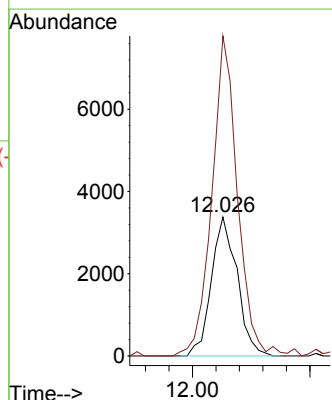
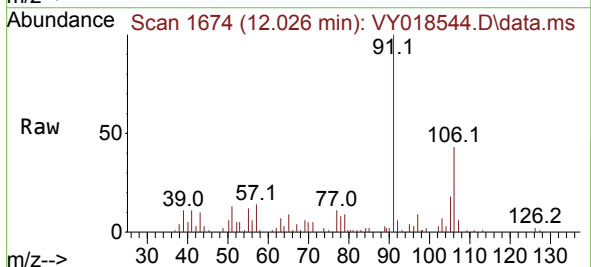
RT: 12.026 min Scan# 1674

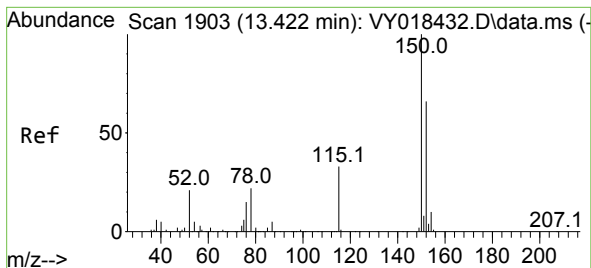
Delta R.T. -0.000 min

Lab File: VY018544.D

Acq: 10 Jun 2024 12:36

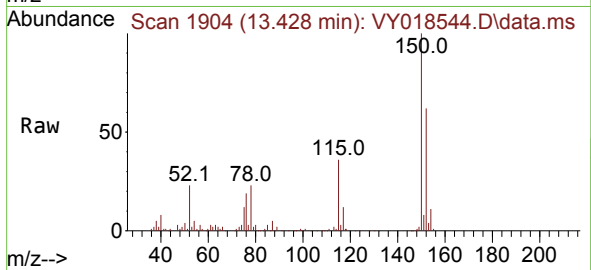
Tgt Ion:106	Resp:	5148
Ion Ratio	Lower	Upper
106	100	
91	228.5	103.6 310.8



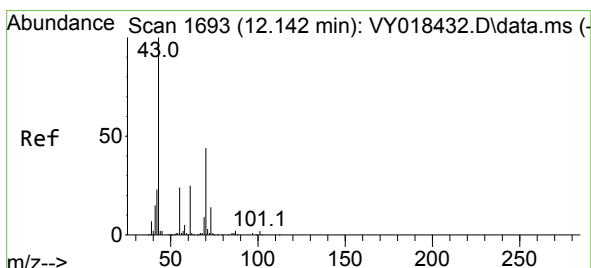
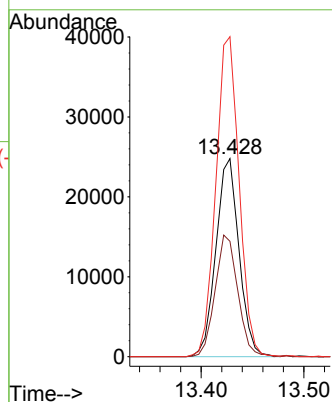
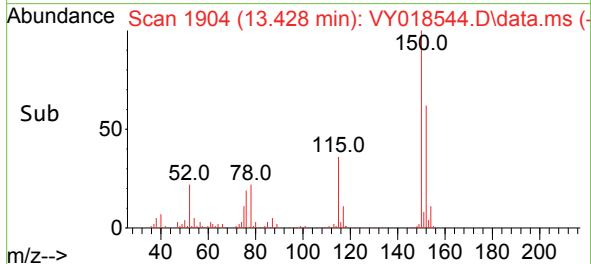


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :

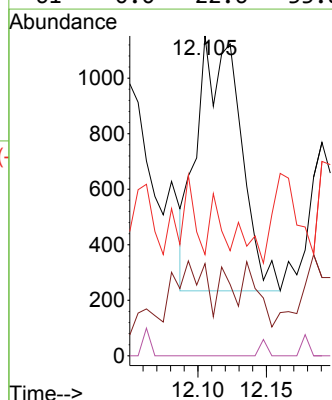
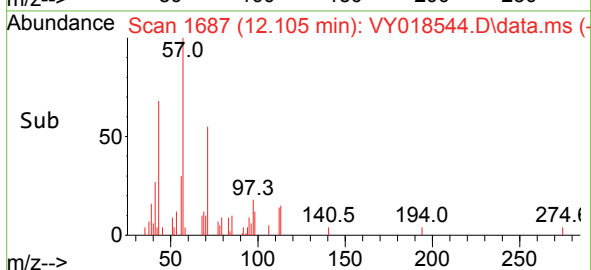
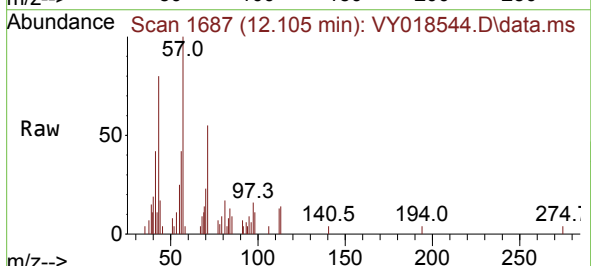


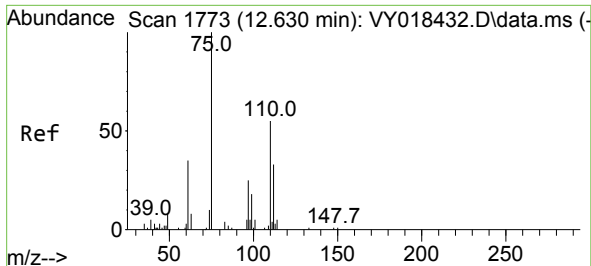
Tgt Ion:152 Resp: 38744
Ion Ratio Lower Upper
152 100
115 60.2 28.2 84.7
150 162.1 0.0 345.6



#74
N-ethyl acetate
Concen: 2.090 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 43 Resp: 2034
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.2#
55 6.7 23.3 34.9#
61 0.0 22.6 33.8#

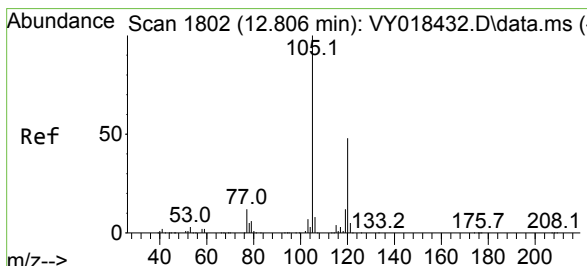
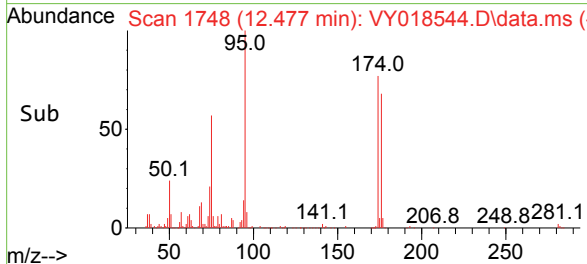
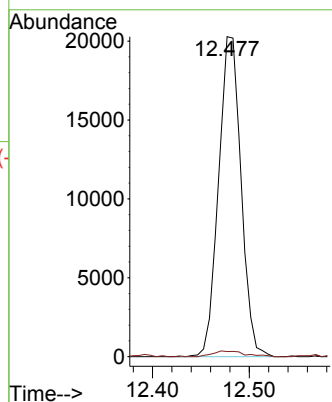
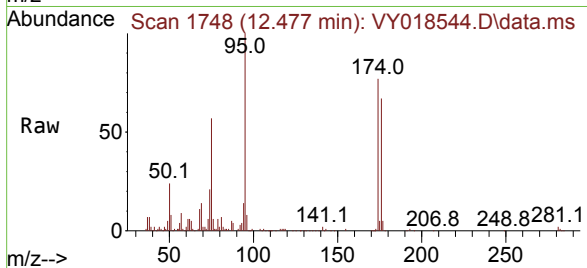




#76
1,2,3-Trichloropropane
Concen: 68.135 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

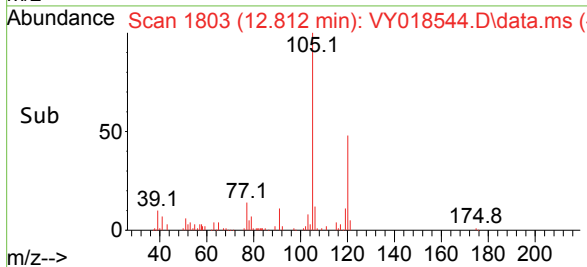
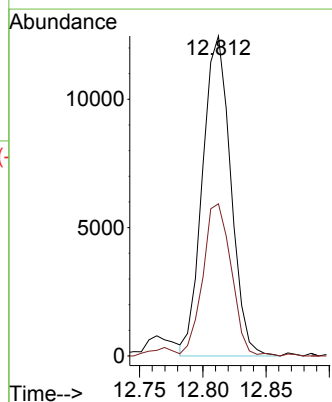
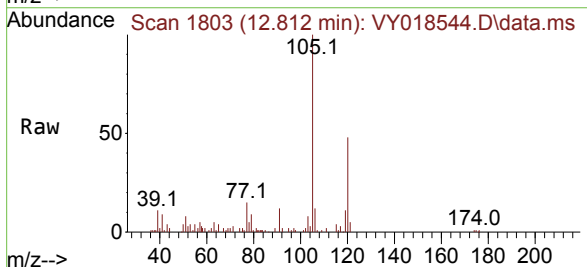
Instrument :
MSVOA_Y
ClientSampleId :

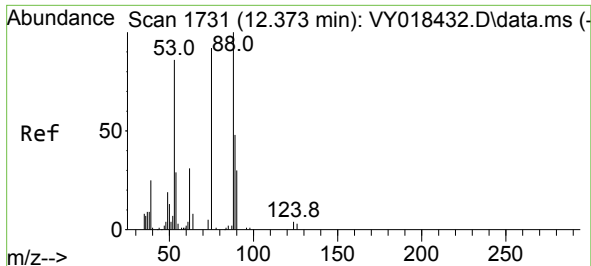
Tgt Ion: 75 Resp: 32734
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 6.220 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

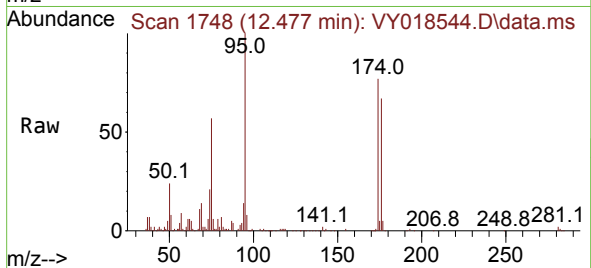
Tgt Ion: 105 Resp: 19368
Ion Ratio Lower Upper
105 100
120 47.9 25.1 75.2



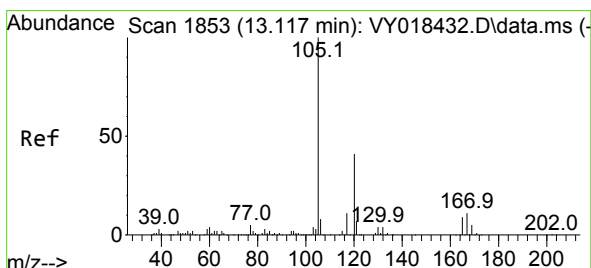
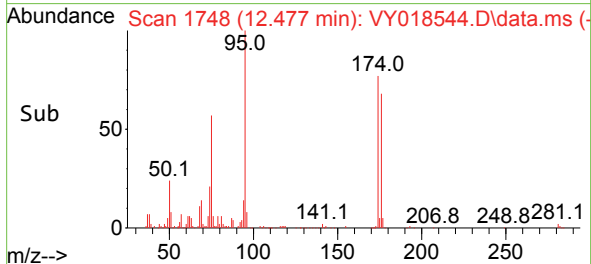
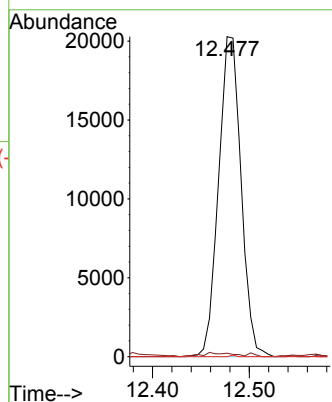


#81
trans-1,4-Dichloro-2-butene
Concen: 143.147 ug/l
RT: 12.477 min Scan# 1731
Delta R.T. 0.104 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 32734
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#



#84
1,2,4-Trimethylbenzene
Concen: 4.592 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VY018544.D
Acq: 10 Jun 2024 12:36

Tgt Ion: 105 Resp: 13998
Ion Ratio Lower Upper
105 100
120 47.1 23.2 69.6

