

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060724\
 Data File : VY018535.D
 Acq On : 07 Jun 2024 18:33
 Operator : SY/MD
 Sample : P2763-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 07 23:18:45 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)

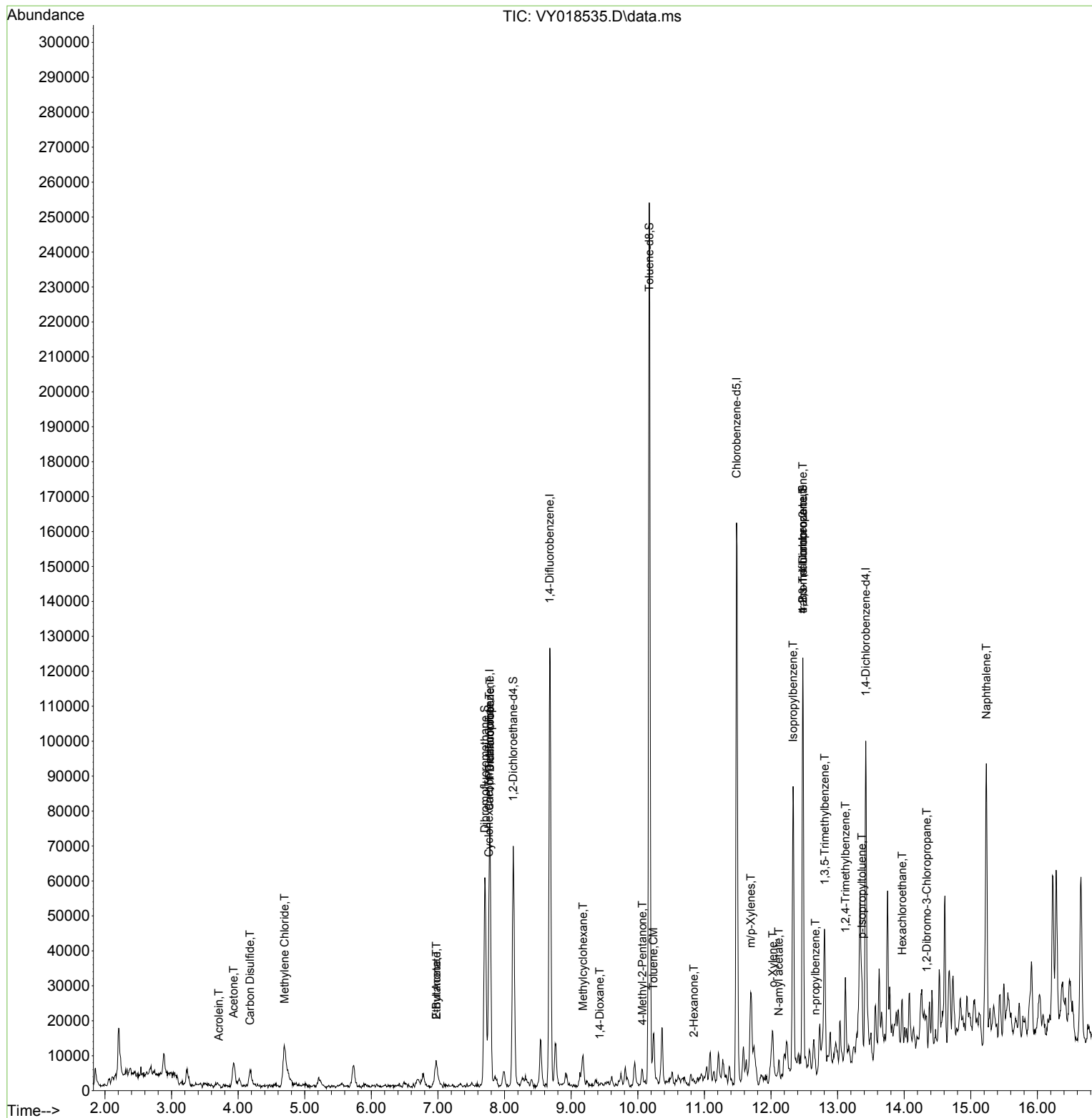
Internal Standards						
1) Pentafluorobenzene	7.777	168	48453	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.679	114	99686	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	81677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	19645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	46567	48.939	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.880%
35) Dibromofluoromethane	7.704	113	40179	31.785	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	63.580%
50) Toluene-d8	10.173	98	151806	30.187	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	60.380%
62) 4-Bromofluorobenzene	12.477	95	31730	20.265	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	40.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	144	Below Cal	#	1
13) Acrolein	3.711	56	100	1.027	ug/l #	1
16) Acetone	3.930	43	13015	61.626	ug/l	88
17) Carbon Disulfide	4.180	76	6463	2.167	ug/l #	91
20) Methylene Chloride	4.698	84	7746	3.699	ug/l #	85
25) 2-Butanone	6.978	43	4890	15.114	ug/l #	69
31) Cyclohexane	7.765	56	3909	2.203	ug/l #	58
36) 1,1-Dichloropropene	7.783	75	5517	2.862	ug/l #	46
37) Ethyl Acetate	6.978	43	4890	5.079	ug/l #	67
38) Carbon Tetrachloride	7.771	117	5737	2.970	ug/l #	17
39) Methylcyclohexane	9.179	83	2929	1.124	ug/l	90
49) 1,4-Dioxane	9.429	88	38	3.821	ug/l #	29
51) 4-Methyl-2-Pentanone	10.069	43	3234	3.459	ug/l	92
52) Toluene	10.234	92	5386	1.516	ug/l	98
59) 2-Hexanone	10.843	43	757	1.172	ug/l	89
68) m/p-Xylenes	11.697	106	5590	2.329	ug/l	93
69) o-Xylene	12.026	106	3083	1.334	ug/l	90
73) Isopropylbenzene	12.331	105	5239	2.584	ug/l	80
74) N-amyl acetate	12.118	43	1835	3.719	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	19555	80.275	ug/l #	100
78) n-propylbenzene	12.666	91	3056	1.256	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	5499	3.483	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.477	75	19555	168.652	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.117	105	11673	7.552	ug/l	99
86) p-Isopropyltoluene	13.367	119	8723	5.027	ug/l #	75
90) Hexachloroethane	13.971	117	563	1.731	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	60	1.105	ug/l #	1
95) Naphthalene	15.233	128	60315	75.158	ug/l	99

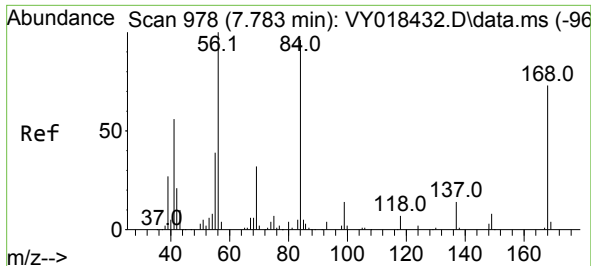
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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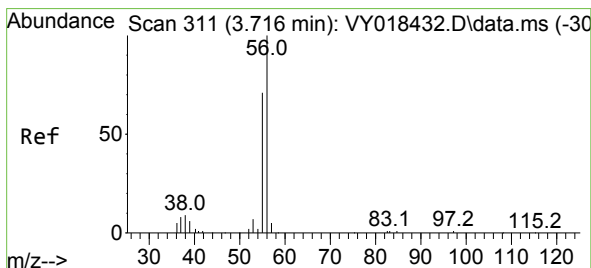
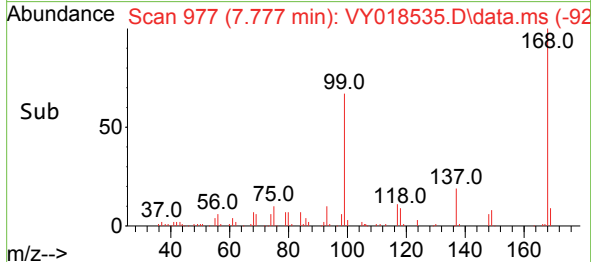
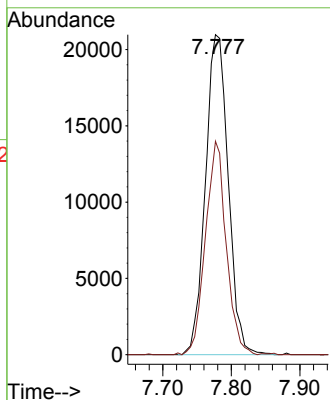
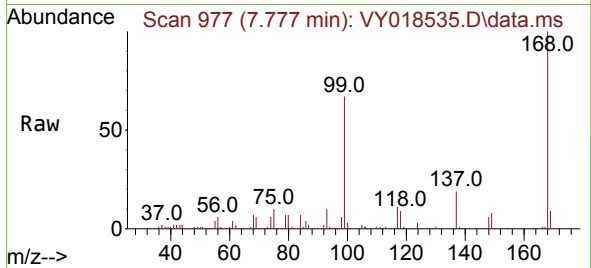




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

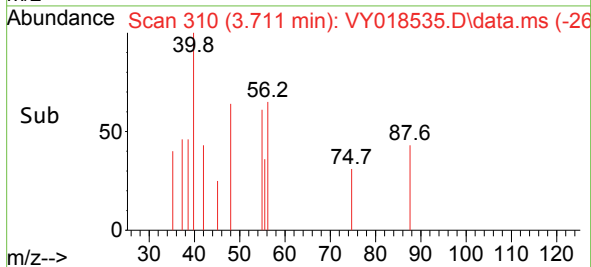
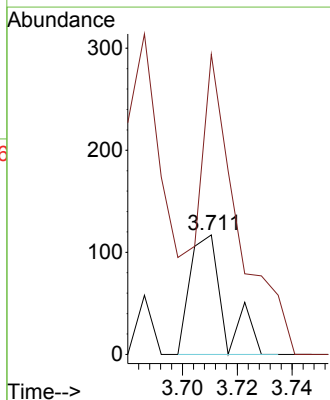
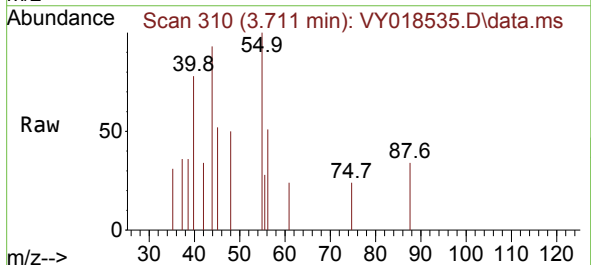
Instrument :
MSVOA_Y
ClientSampleId :

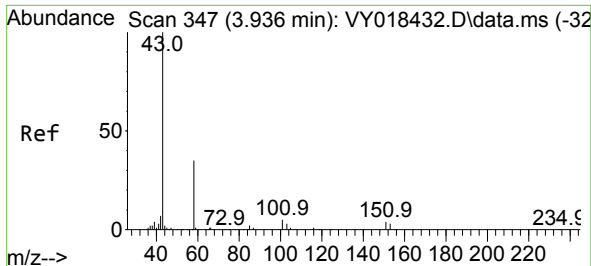
Tgt Ion:168 Resp: 48453
Ion Ratio Lower Upper
168 100
99 66.7 39.1 58.7#



#13
Acrolein
Concen: 1.027 ug/l
RT: 3.711 min Scan# 310
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Tgt Ion: 56 Resp: 100
Ion Ratio Lower Upper
56 100
55 291.0 55.7 83.5#

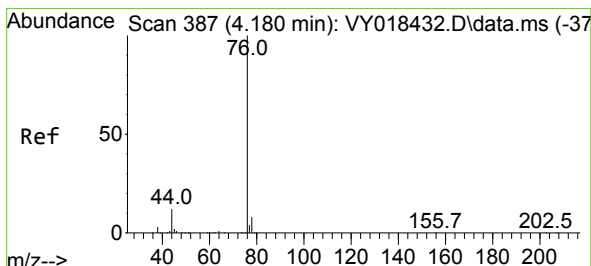
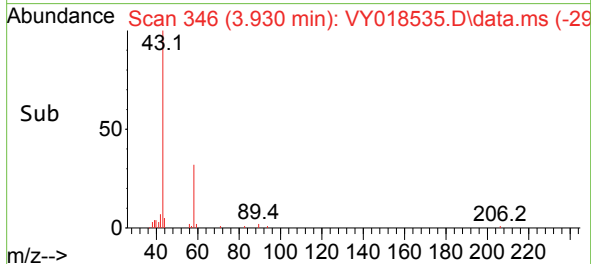
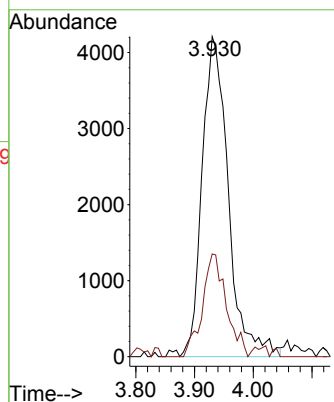
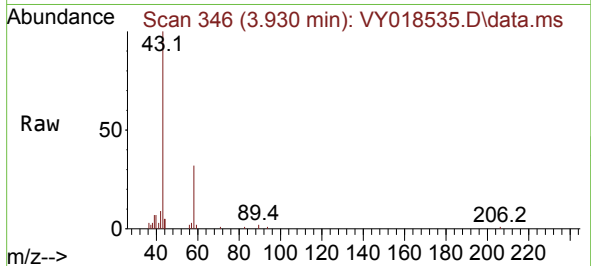




#16
Acetone
Concen: 61.626 ug/l
RT: 3.930 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

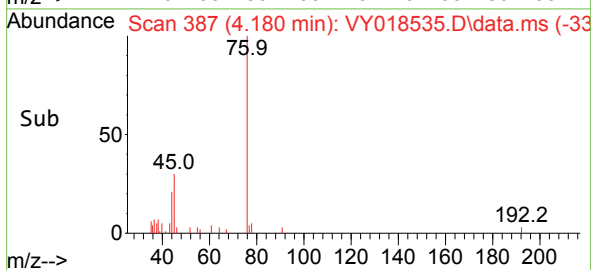
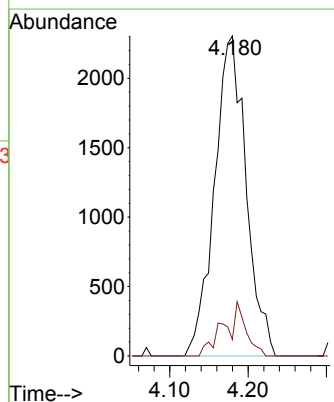
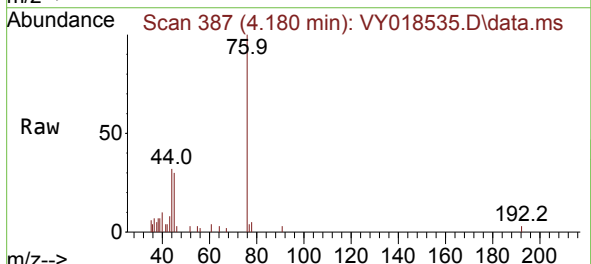
Instrument :
MSVOA_Y
ClientSampleId :

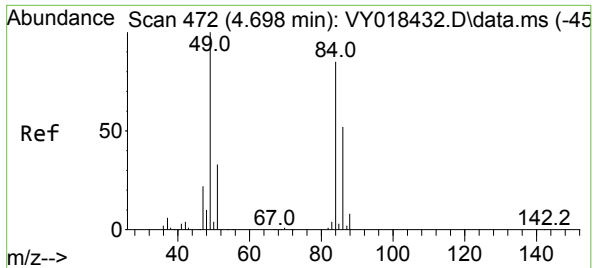
Tgt Ion: 43 Resp: 13015
Ion Ratio Lower Upper
43 100
58 32.1 31.7 47.5



#17
Carbon Disulfide
Concen: 2.167 ug/l
RT: 4.180 min Scan# 387
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Tgt Ion: 76 Resp: 6463
Ion Ratio Lower Upper
76 100
78 5.2 6.8 10.2#

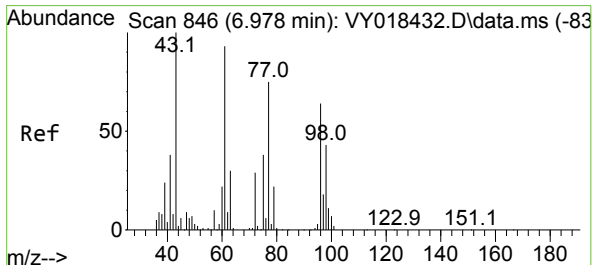
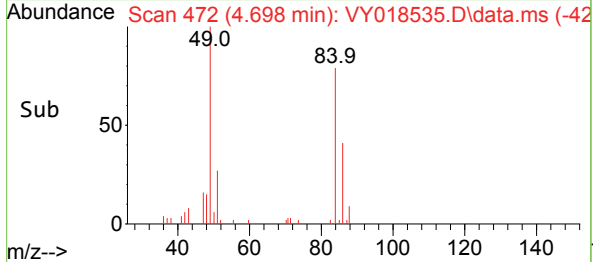
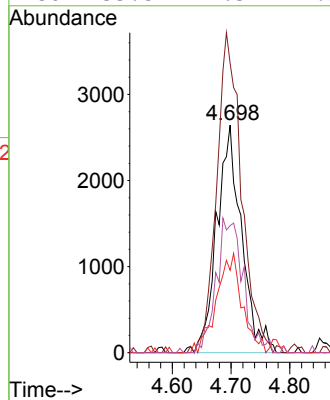
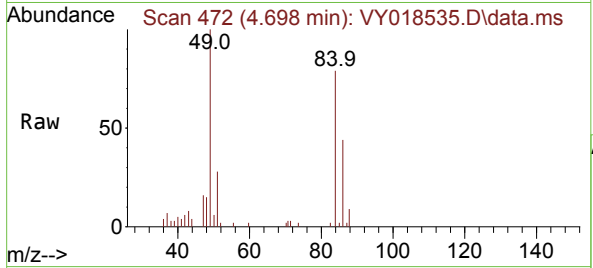




#20
Methylene Chloride
Concen: 3.699 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

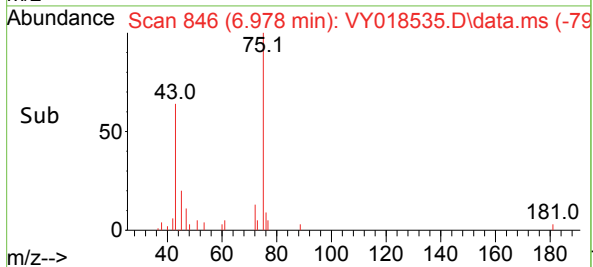
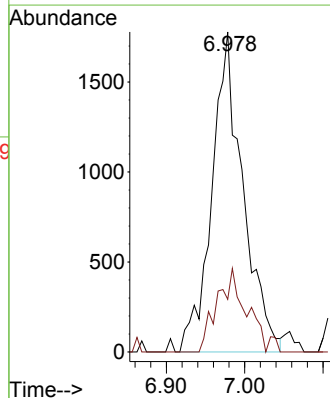
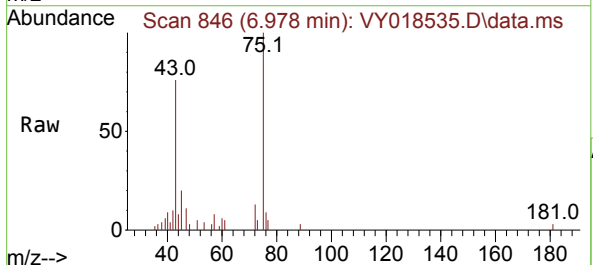
Instrument :
MSVOA_Y
ClientSampleId :

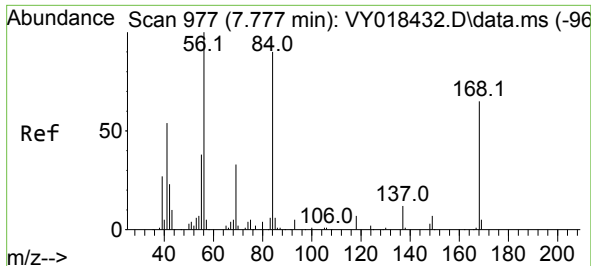
Tgt Ion:	84	Resp:	7746
Ion	Ratio	Lower	Upper
84	100		
49	127.2	84.4	126.6#
51	36.2	26.0	39.0
86	55.8	49.5	74.3



#25
2-Butanone
Concen: 15.114 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

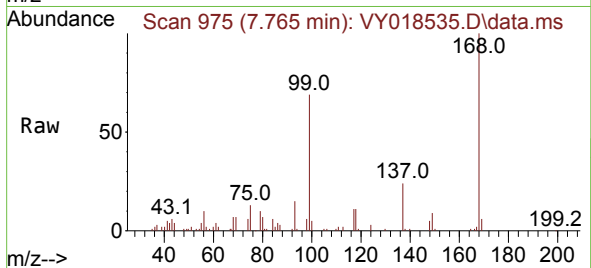
Tgt Ion:	43	Resp:	4890
Ion	Ratio	Lower	Upper
43	100		
72	16.5	27.3	40.9#



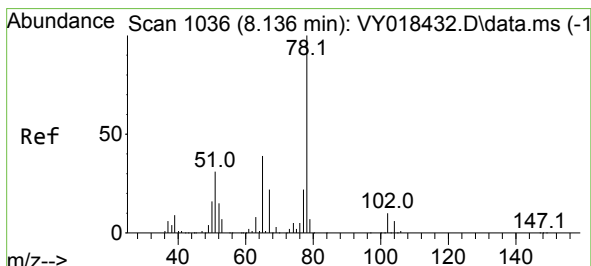
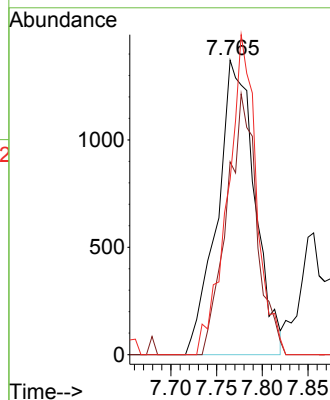
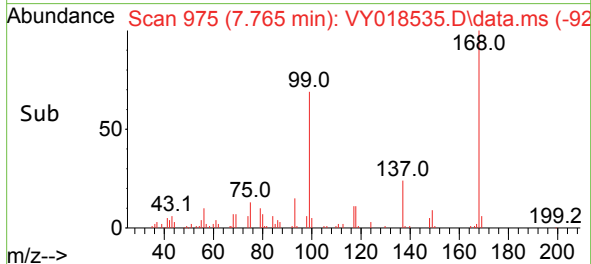


#31
Cyclohexane
Concen: 2.203 ug/l
RT: 7.765 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

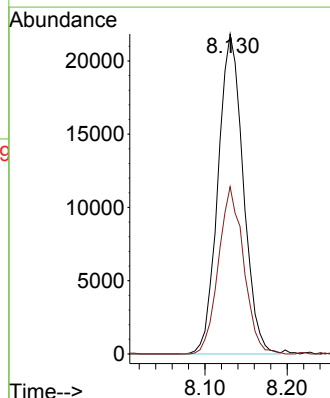
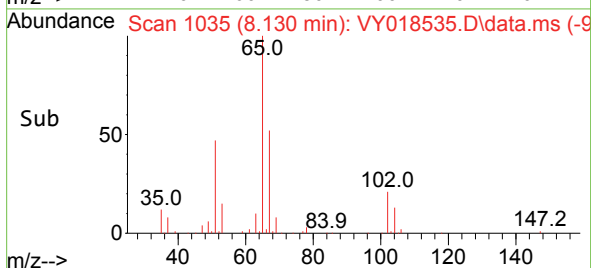
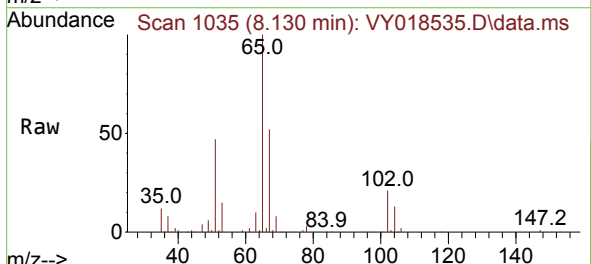


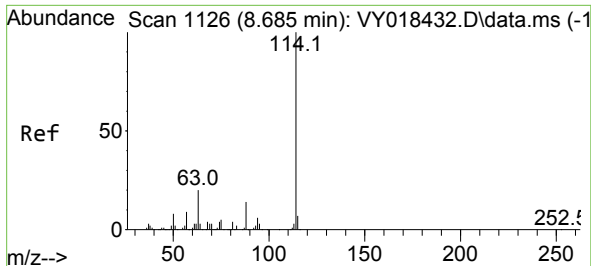
Tgt Ion: 56 Resp: 3909
Ion Ratio Lower Upper
56 100
69 65.5 28.7 43.1#
84 59.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 48.939 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

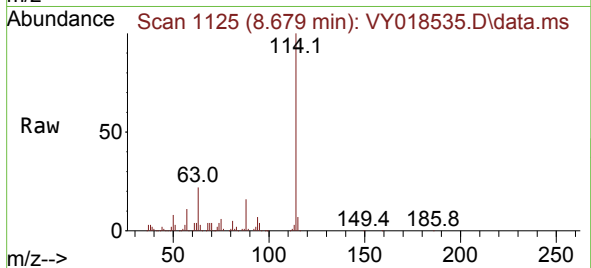
Tgt Ion: 65 Resp: 46567
Ion Ratio Lower Upper
65 100
67 52.1 0.0 109.6



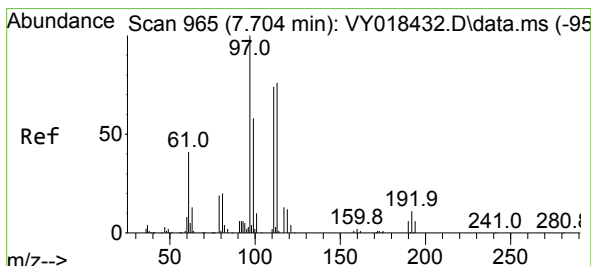
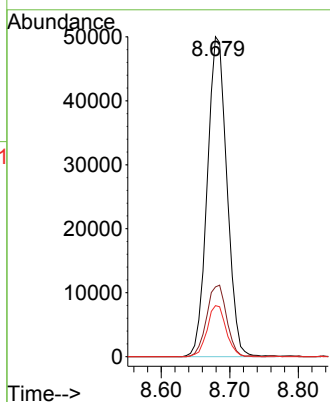
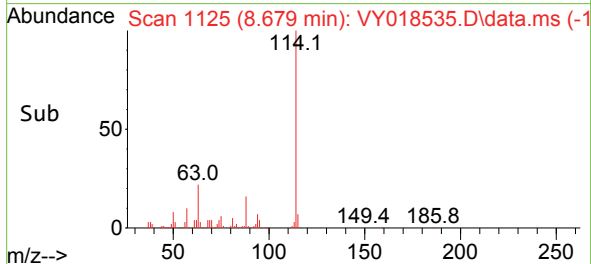


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.679 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

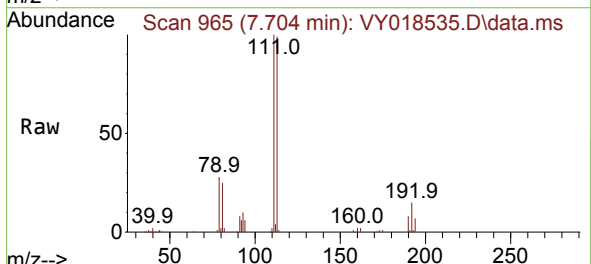
Instrument :
MSVOA_Y
ClientSampleId :



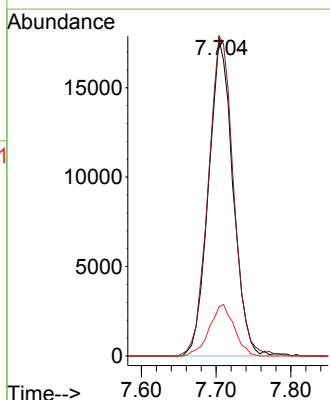
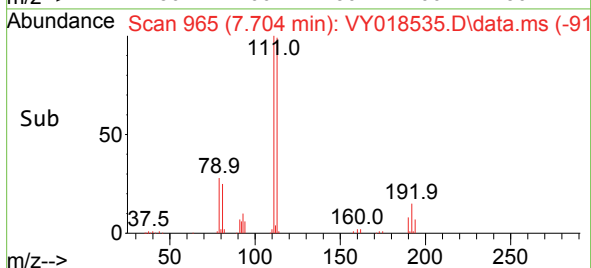
Tgt Ion:114 Resp: 99686
Ion Ratio Lower Upper
114 100
63 21.8 0.0 35.0
88 15.9 0.0 27.2

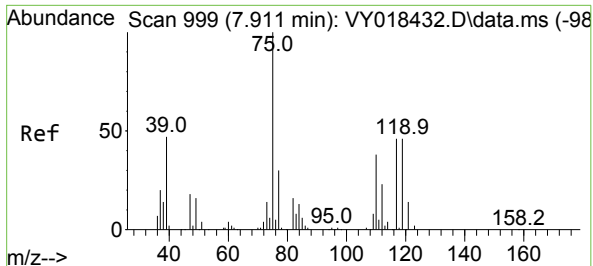


#35
Dibromofluoromethane
Concen: 31.785 ug/l
RT: 7.704 min Scan# 965
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33



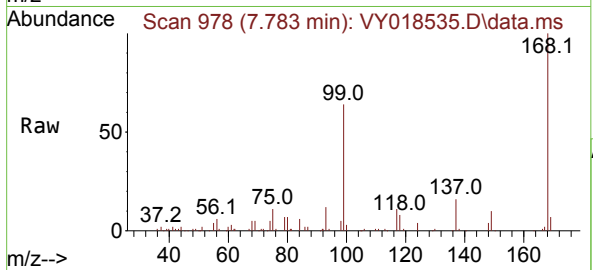
Tgt Ion:113 Resp: 40179
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 16.5 15.9 23.9



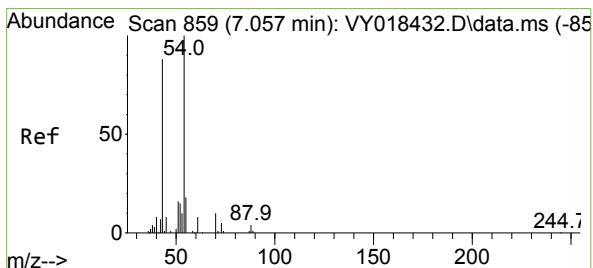
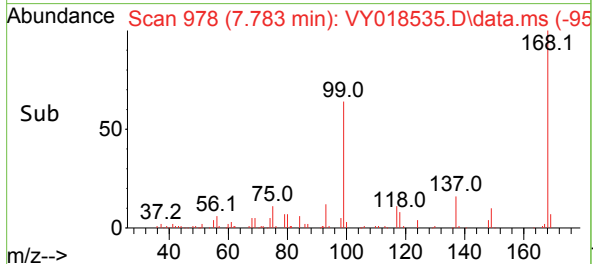
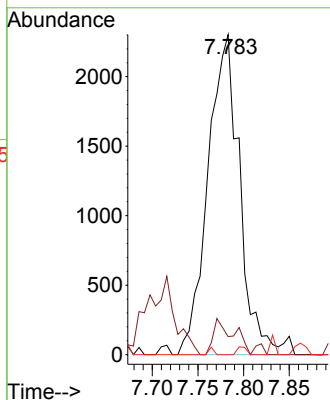


#36
1,1-Dichloropropene
Concen: 2.862 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

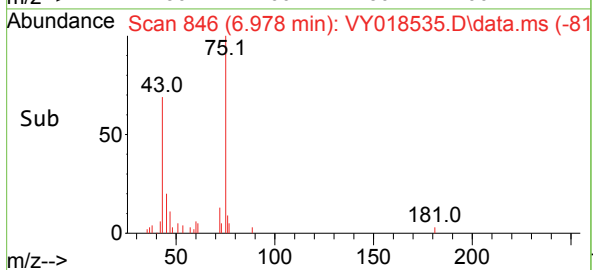
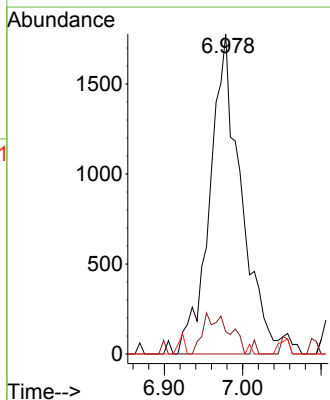
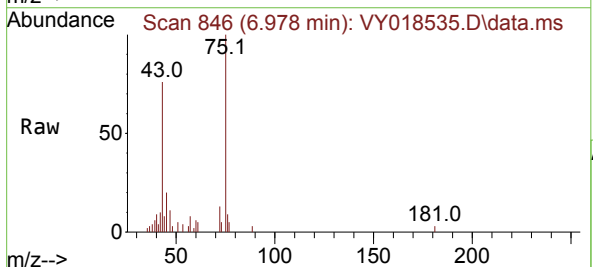


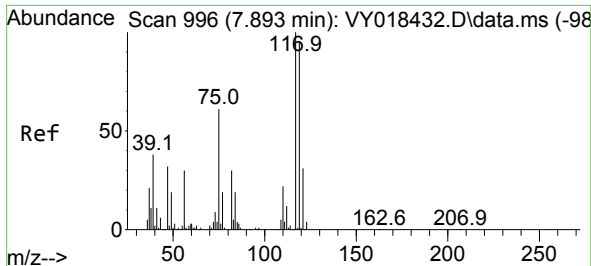
Tgt Ion: 75 Resp: 5517
Ion Ratio Lower Upper
75 100
110 7.2 19.0 57.0#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 5.079 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.079 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

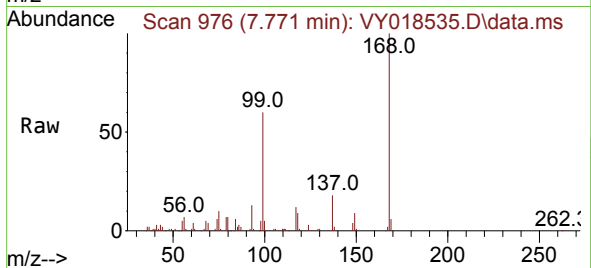
Tgt Ion: 43 Resp: 4890
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



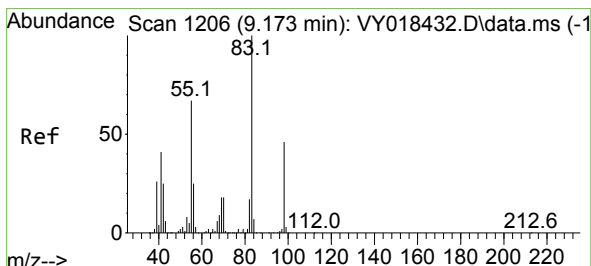
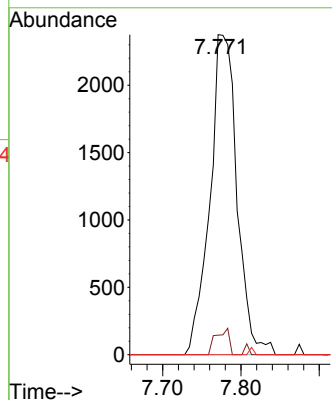
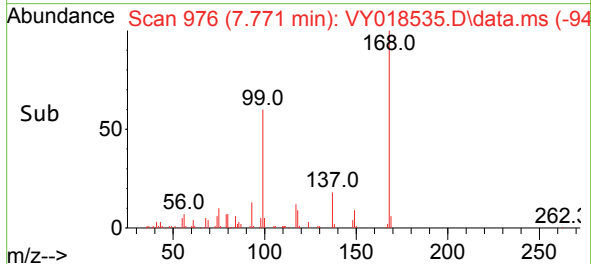


#38
Carbon Tetrachloride
Concen: 2.970 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

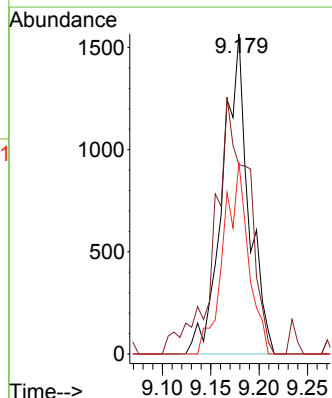
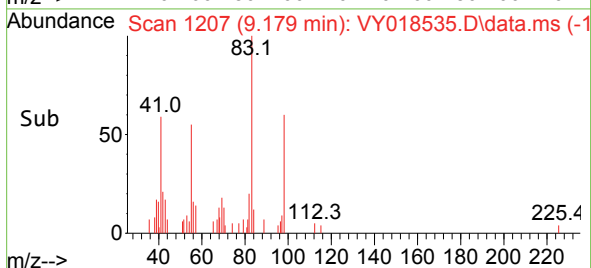
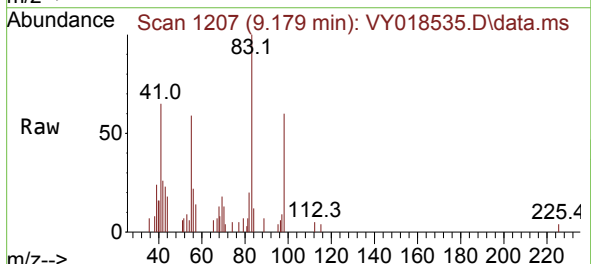


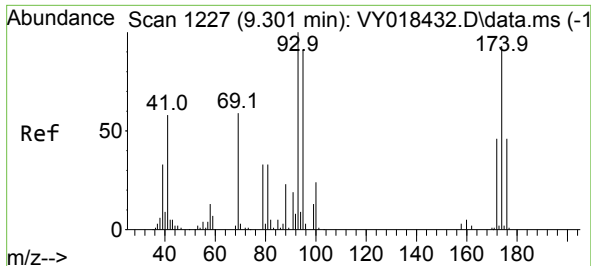
Tgt Ion:117 Resp: 5737
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.6#
121 0.0 24.0 36.0#



#39
Methylcyclohexane
Concen: 1.124 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

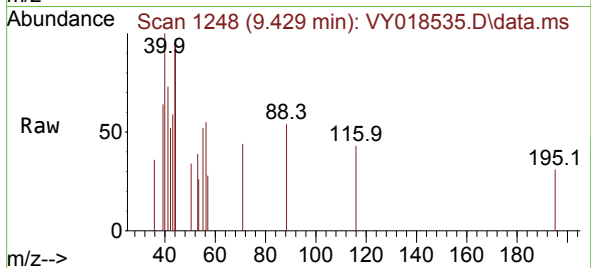
Tgt Ion: 83 Resp: 2929
Ion Ratio Lower Upper
83 100
55 59.1 51.5 77.3
98 59.8 40.5 60.7



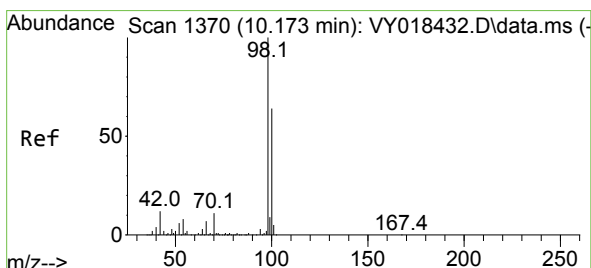
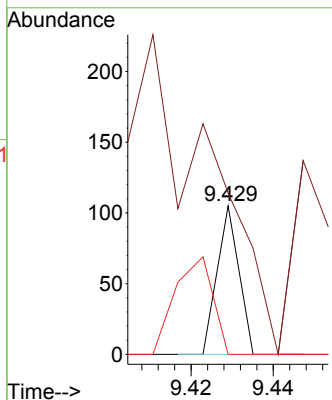
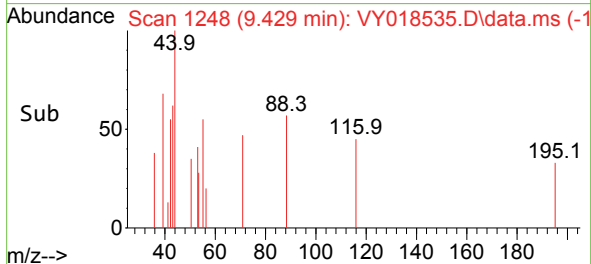


#49
1,4-Dioxane
Concen: 3.821 ug/l
RT: 9.429 min Scan# 11
Delta R.T. 0.128 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

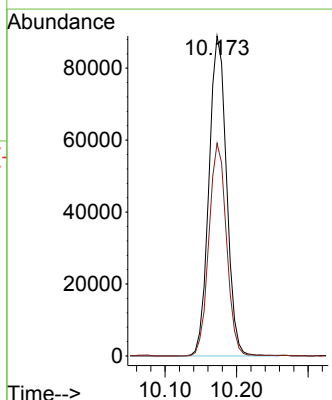
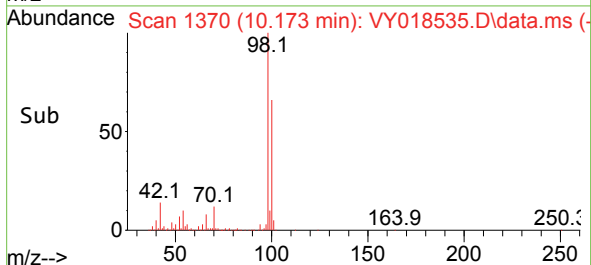
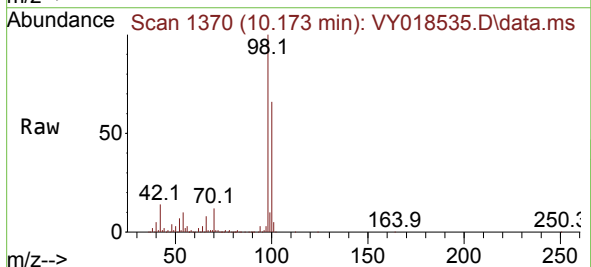


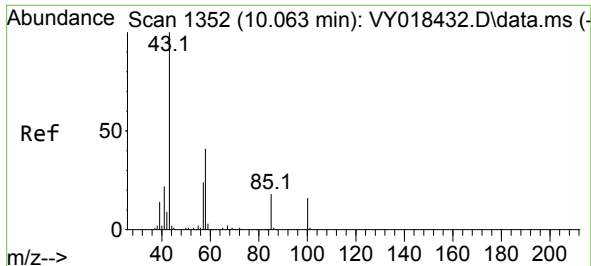
Tgt Ion: 88 Resp: 38
Ion Ratio Lower Upper
88 100
43 1005.3 0.0 0.0#
58 115.8 49.3 73.9#



#50
Toluene-d8
Concen: 30.187 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Tgt Ion: 98 Resp: 151806
Ion Ratio Lower Upper
98 100
100 66.4 52.0 78.0

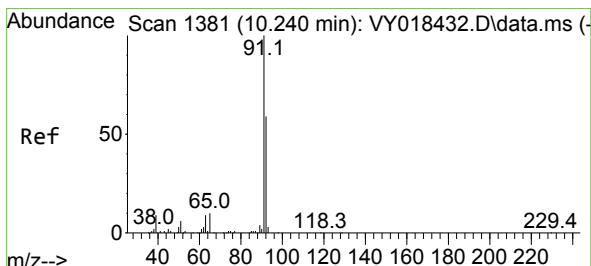
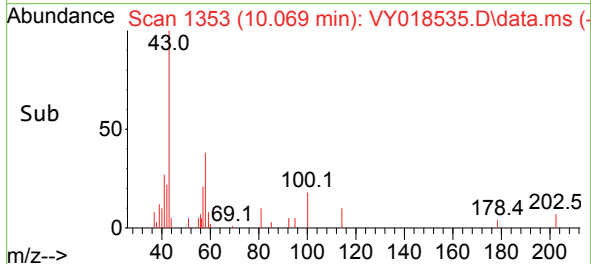
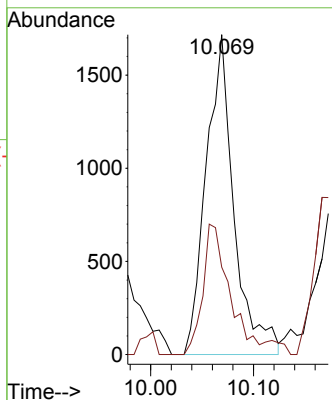
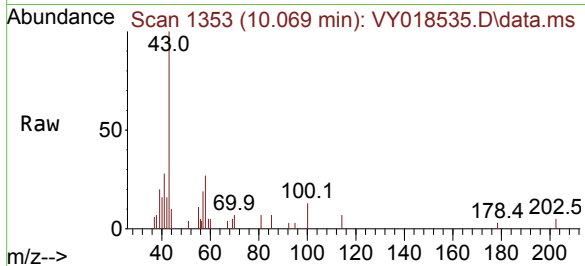




#51
4-Methyl-2-Pentanone
Concen: 3.459 ug/l
RT: 10.069 min Scan# 1352
Delta R.T. 0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

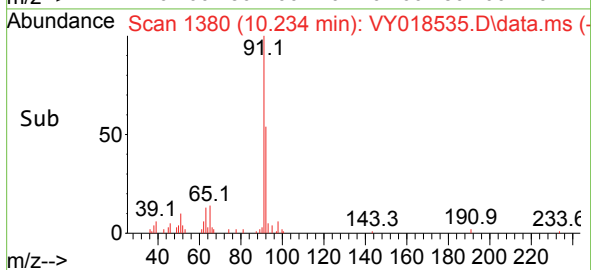
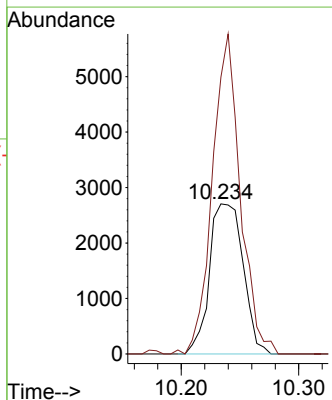
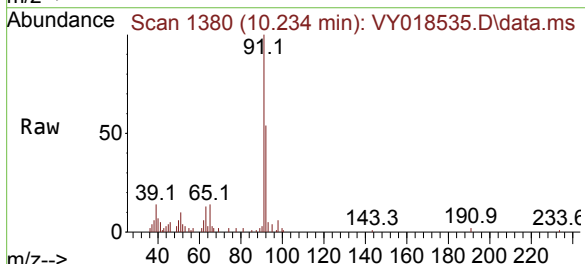
Instrument :
MSVOA_Y
ClientSampleId :

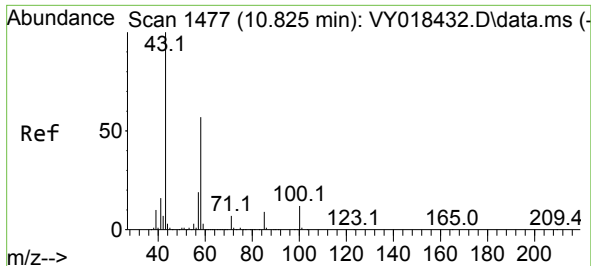
Tgt Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
58 39.5 35.7 53.5



#52
Toluene
Concen: 1.516 ug/l
RT: 10.234 min Scan# 1380
Delta R.T. -0.006 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

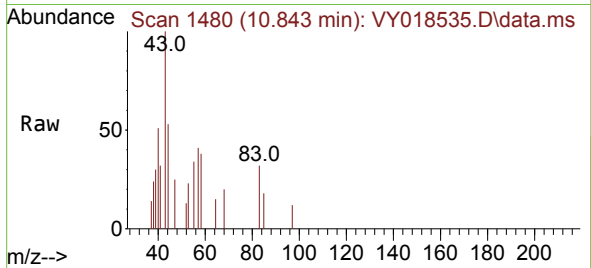
Tgt Ion: 92 Resp: 5386
Ion Ratio Lower Upper
92 100
91 177.1 139.0 208.6



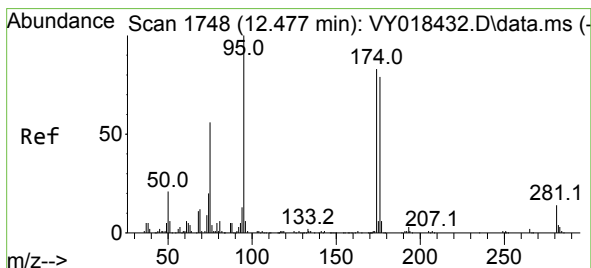
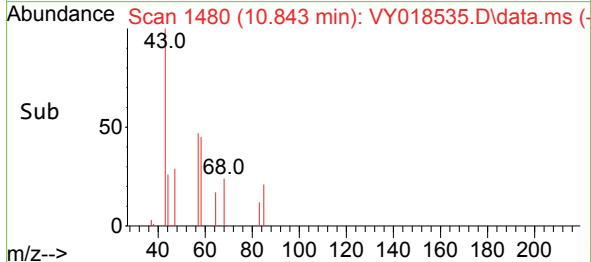
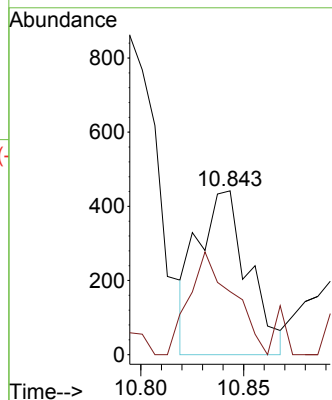


#59
2-Hexanone
Concen: 1.172 ug/l
RT: 10.843 min Scan# 1477
Delta R.T. 0.018 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

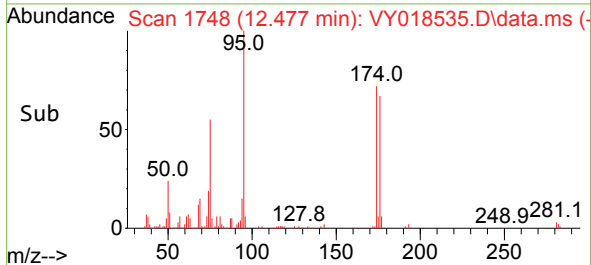
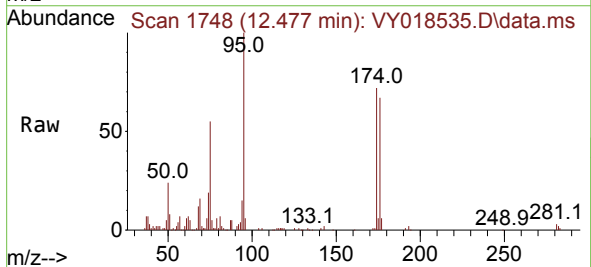
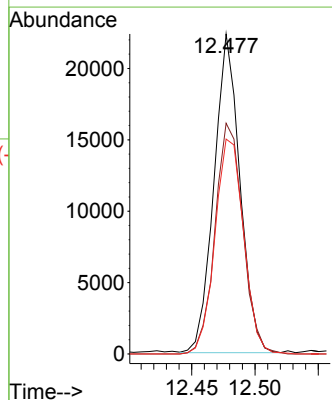


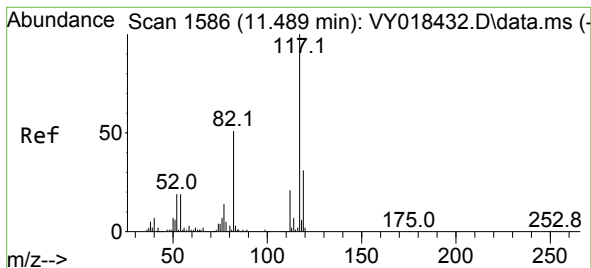
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 54.3 31.4 94.0



#62
4-Bromofluorobenzene
Concen: 20.265 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Tgt Ion: 95 Resp: 31730
Ion Ratio Lower Upper
95 100
174 77.7 0.0 175.6
176 74.9 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY018535.D

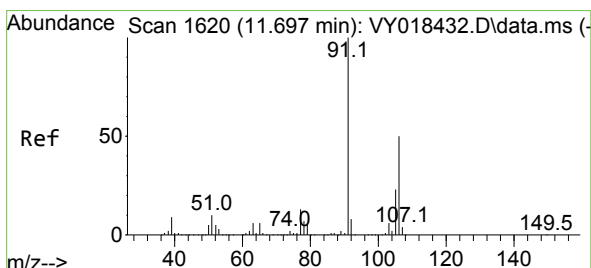
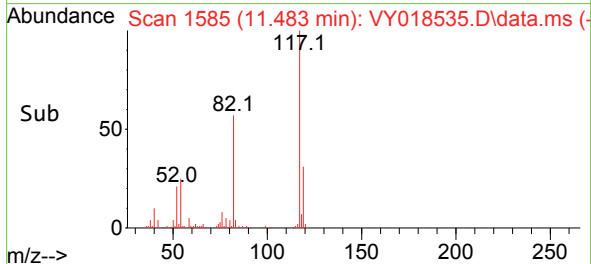
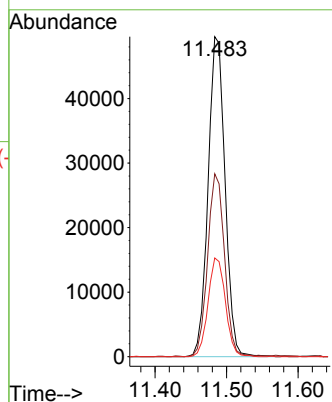
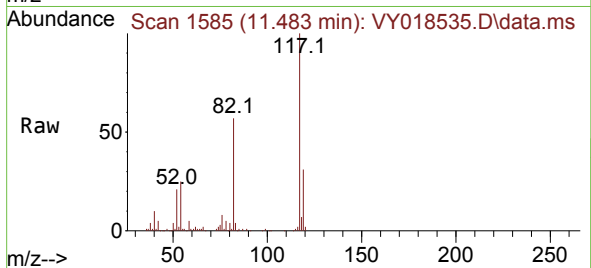
Acq: 07 Jun 2024 18:33

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	81677
Ion	Ratio	Lower Upper
117	100	
82	57.0	42.4 63.6
119	30.8	25.9 38.9



#68

m/p-Xylenes

Concen: 2.329 ug/l

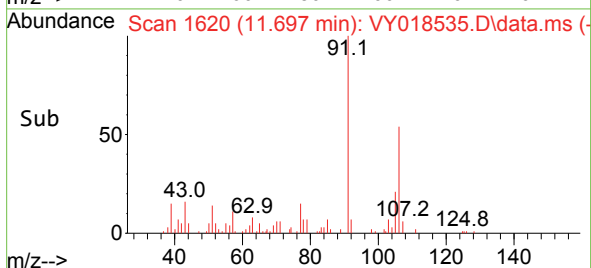
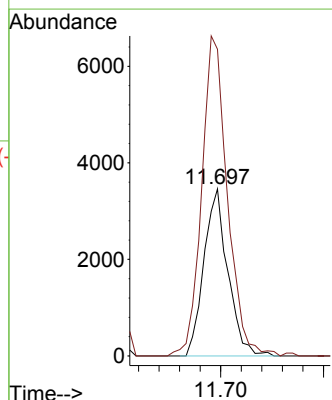
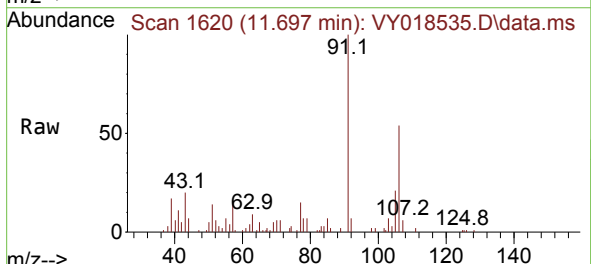
RT: 11.697 min Scan# 1620

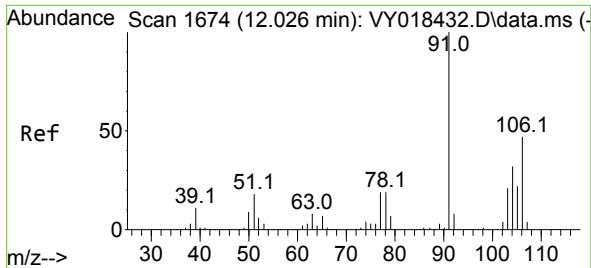
Delta R.T. 0.000 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Tgt Ion:106	Resp:	5590
Ion	Ratio	Lower Upper
106	100	
91	205.6	156.0 234.0

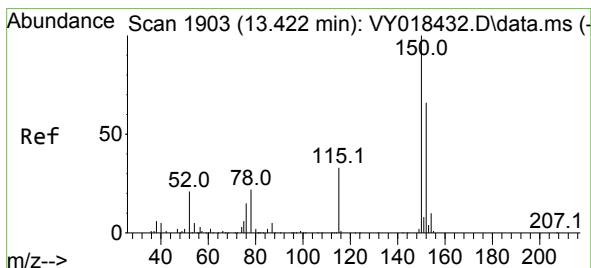
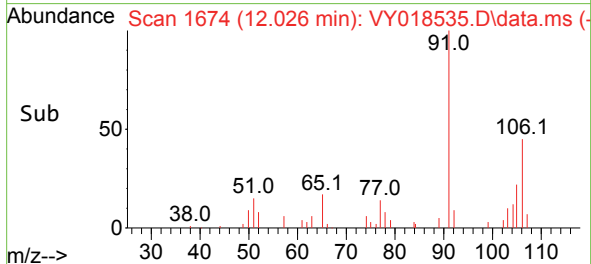
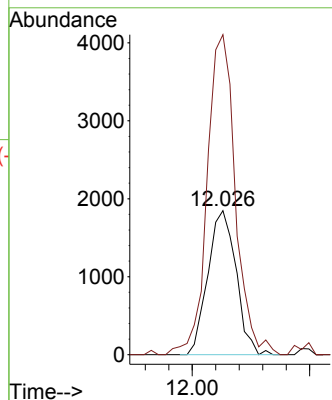
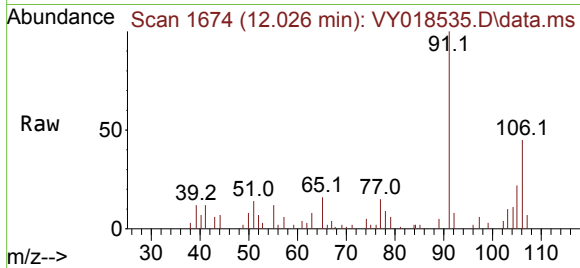




#69
o-Xylene
Concen: 1.334 ug/l
RT: 12.026 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

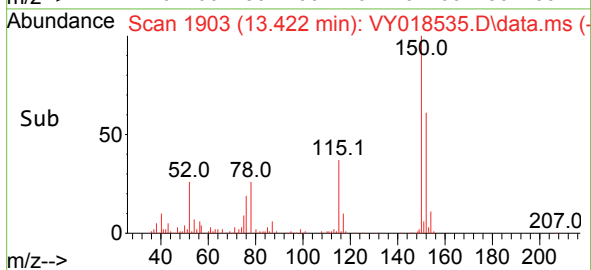
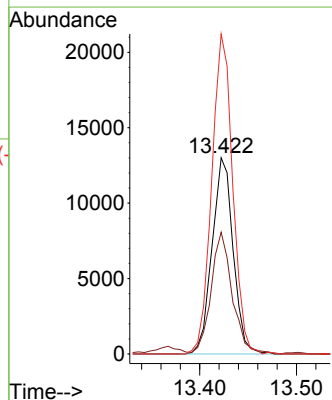
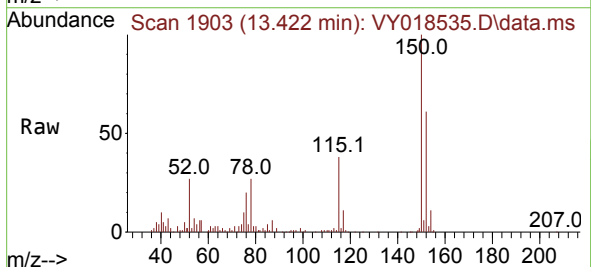
Instrument :
MSVOA_Y
ClientSampleId :

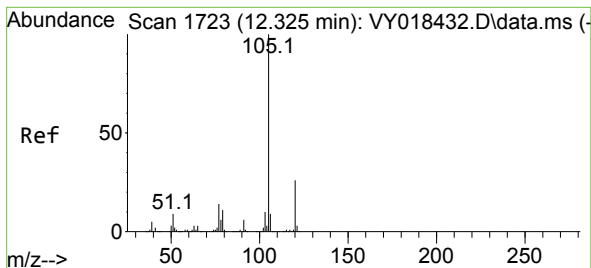
Tgt Ion:106 Resp: 3083
Ion Ratio Lower Upper
106 100
91 222.1 103.6 310.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Tgt Ion:152 Resp: 19645
Ion Ratio Lower Upper
152 100
115 62.3 28.2 84.7
150 162.1 0.0 345.6





#73

Isopropylbenzene

Concen: 2.584 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.006 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Instrument :

MSVOA_Y

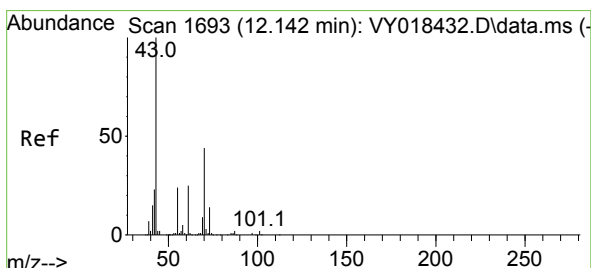
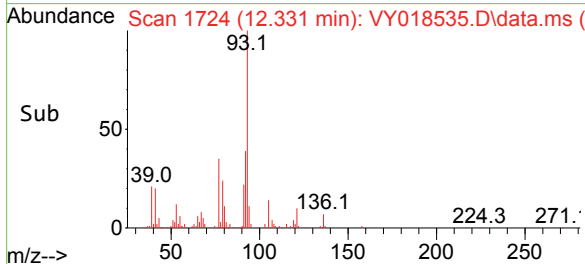
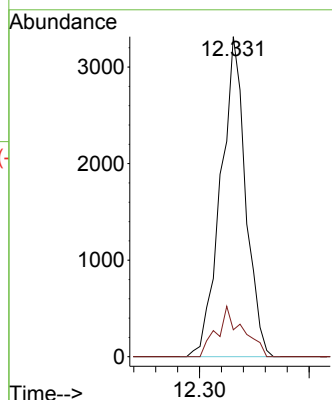
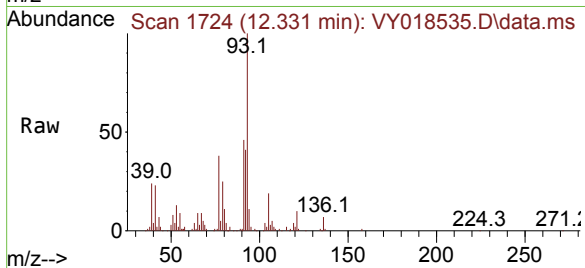
ClientSampleId :

Tgt Ion:105 Resp: 5239

Ion Ratio Lower Upper

105 100

120 16.4 13.4 40.1



#74

N-ethyl acetate

Concen: 3.719 ug/l

RT: 12.118 min Scan# 1689

Delta R.T. -0.024 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Tgt Ion: 43 Resp: 1835

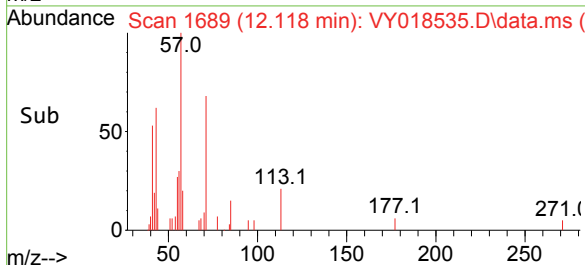
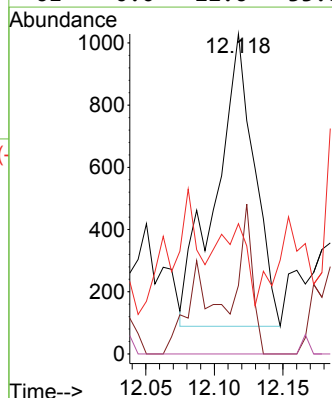
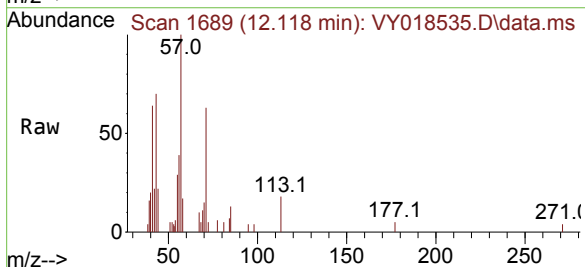
Ion Ratio Lower Upper

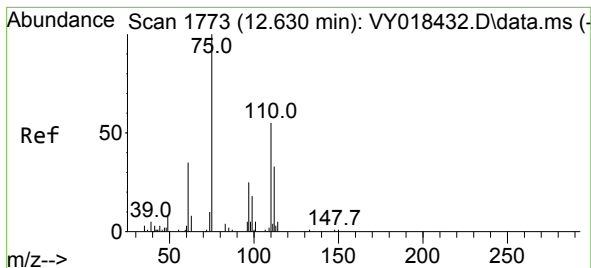
43 100

70 17.2 41.4 62.2#

55 21.2 23.3 34.9#

61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 80.275 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Instrument :

MSVOA_Y

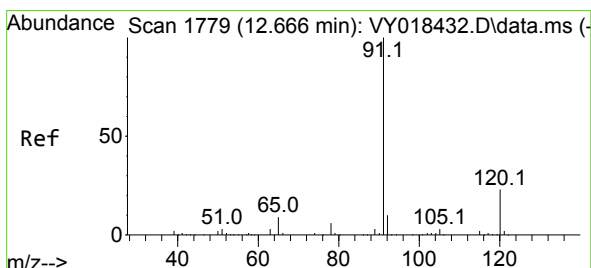
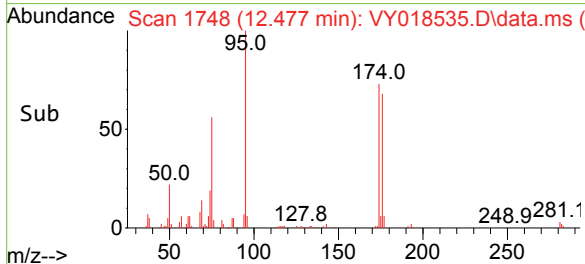
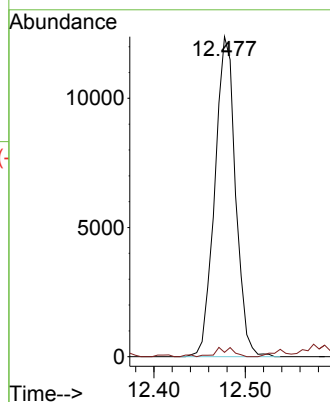
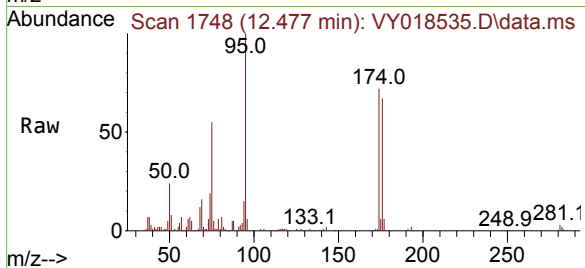
ClientSampleId :

Tgt Ion: 75 Resp: 19555

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#78

n-propylbenzene

Concen: 1.256 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY018535.D

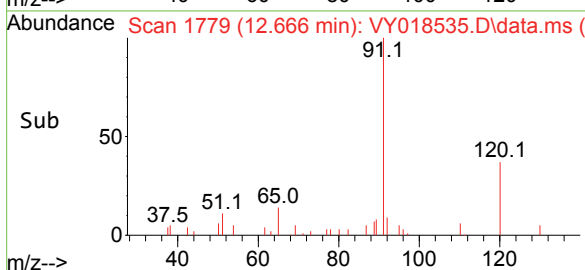
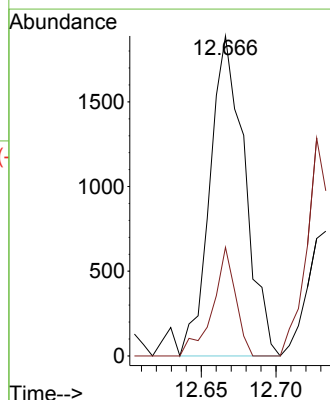
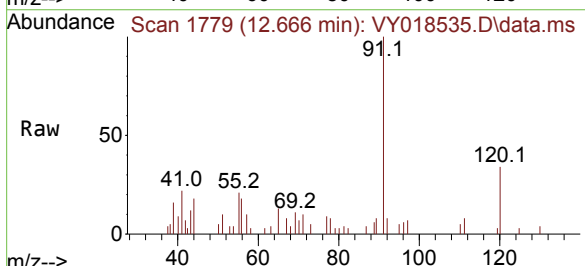
Acq: 07 Jun 2024 18:33

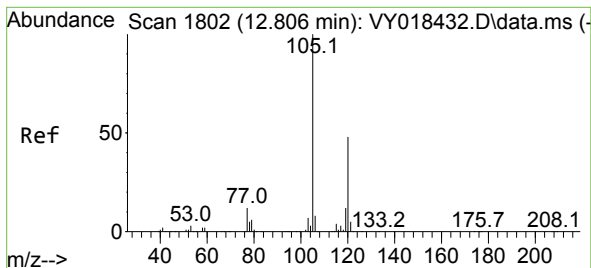
Tgt Ion: 91 Resp: 3056

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 3.483 ug/l

RT: 12.806 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Instrument :

MSVOA_Y

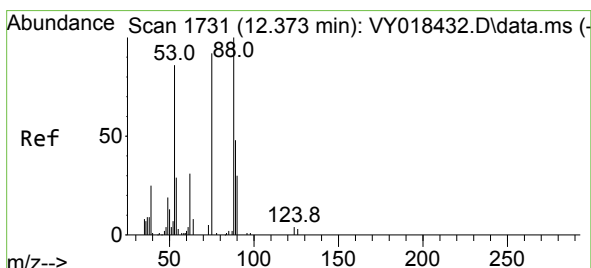
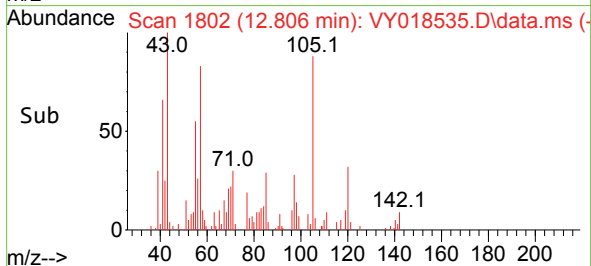
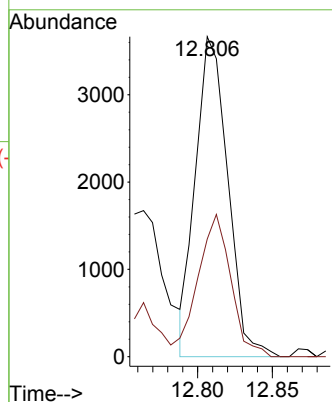
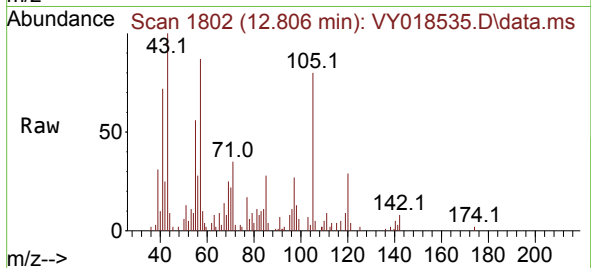
ClientSampleId :

Tgt Ion:105 Resp: 5499

Ion Ratio Lower Upper

105 100

120 45.6 25.1 75.2



#81

trans-1,4-Dichloro-2-butene

Concen: 168.652 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

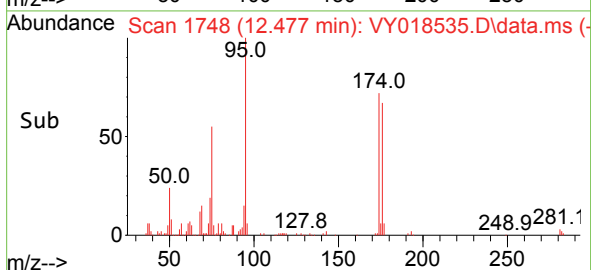
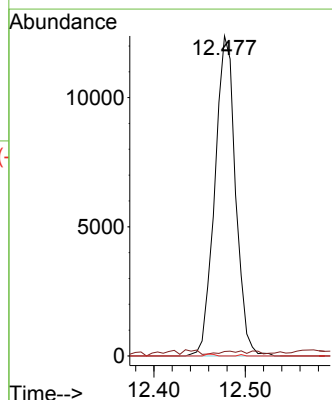
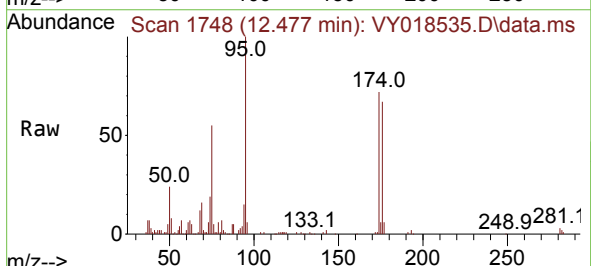
Tgt Ion: 75 Resp: 19555

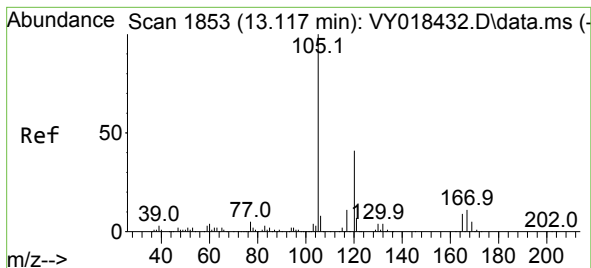
Ion Ratio Lower Upper

75 100

53 0.9 66.8 100.2#

89 0.1 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 7.552 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

Instrument :

MSVOA_Y

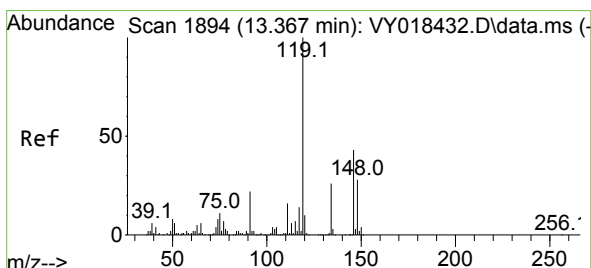
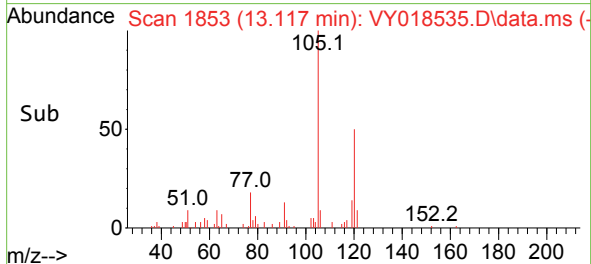
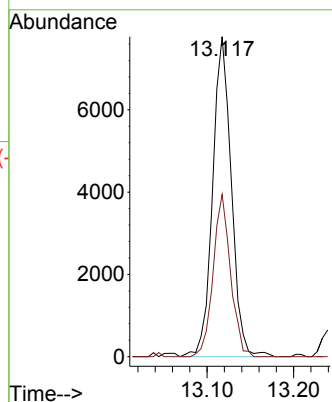
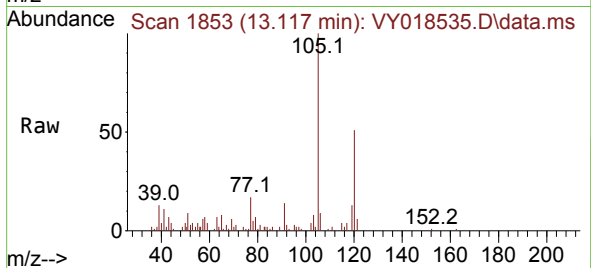
ClientSampleId :

Tgt Ion:105 Resp: 11673

Ion Ratio Lower Upper

105 100

120 47.2 23.2 69.6



#86

p-Isopropyltoluene

Concen: 5.027 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY018535.D

Acq: 07 Jun 2024 18:33

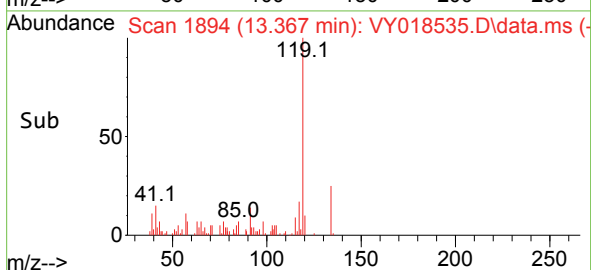
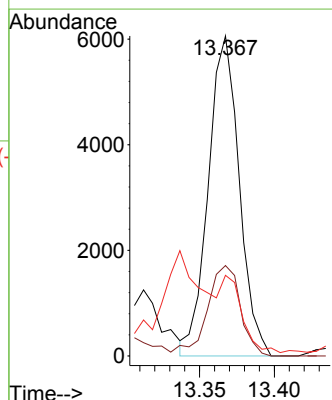
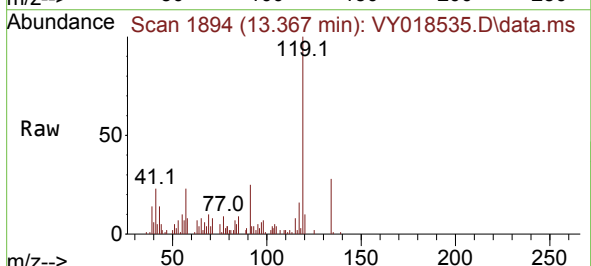
Tgt Ion:119 Resp: 8723

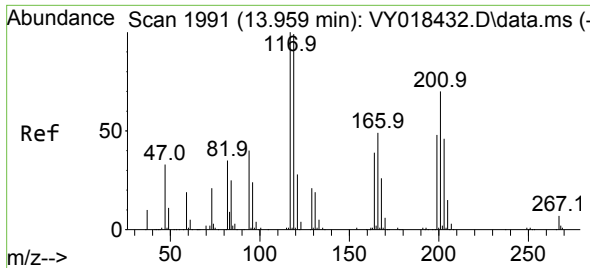
Ion Ratio Lower Upper

119 100

134 30.3 13.1 39.3

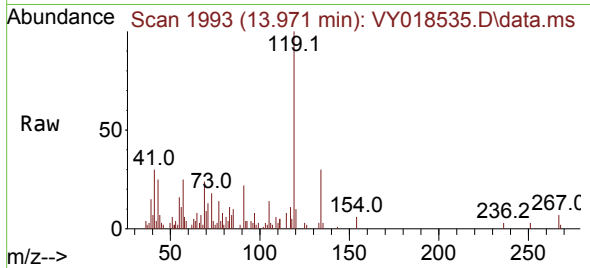
91 0.0 10.7 32.1#



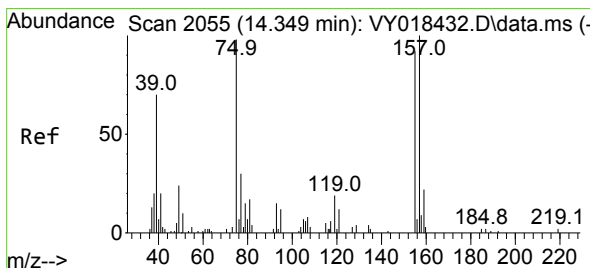
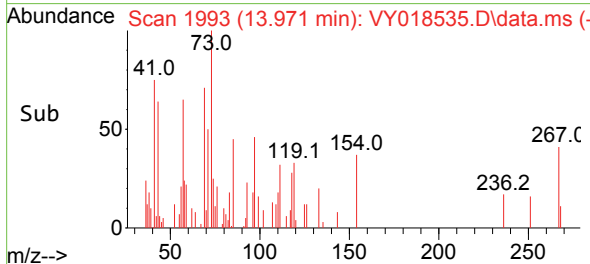
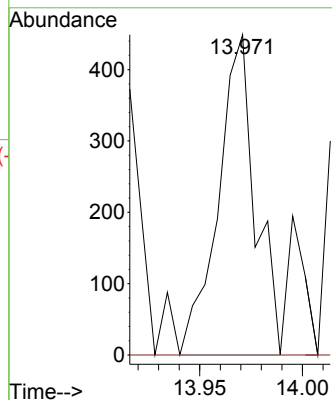


#90
Hexachloroethane
Concen: 1.731 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :

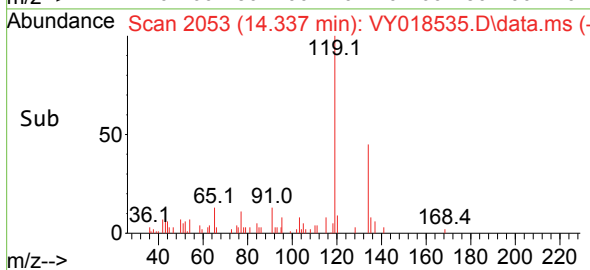
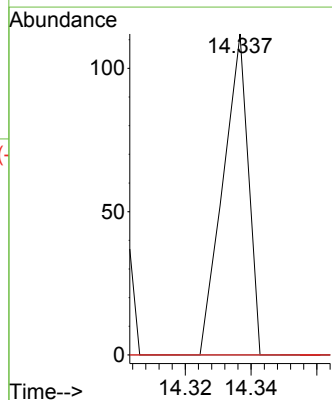
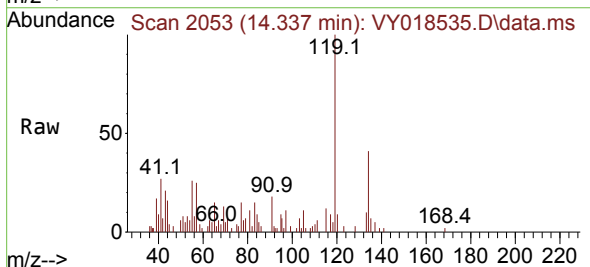


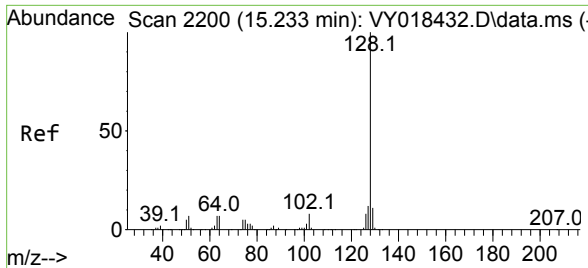
Tgt Ion:117 Resp: 563
Ion Ratio Lower Upper
117 100
201 0.0 37.4 112.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.105 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.012 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

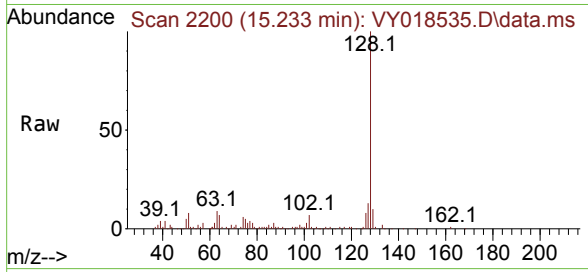
Tgt Ion: 75 Resp: 60
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#





#95
Naphthalene
Concen: 75.158 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY018535.D
Acq: 07 Jun 2024 18:33

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	60315
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.6	16.0
129	11.4	8.6	13.0

