

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052824\
 Data File : VY018381.D
 Acq On : 28 May 2024 15:36
 Operator : SY/MD
 Sample : P2330-22
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 29 01:19:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

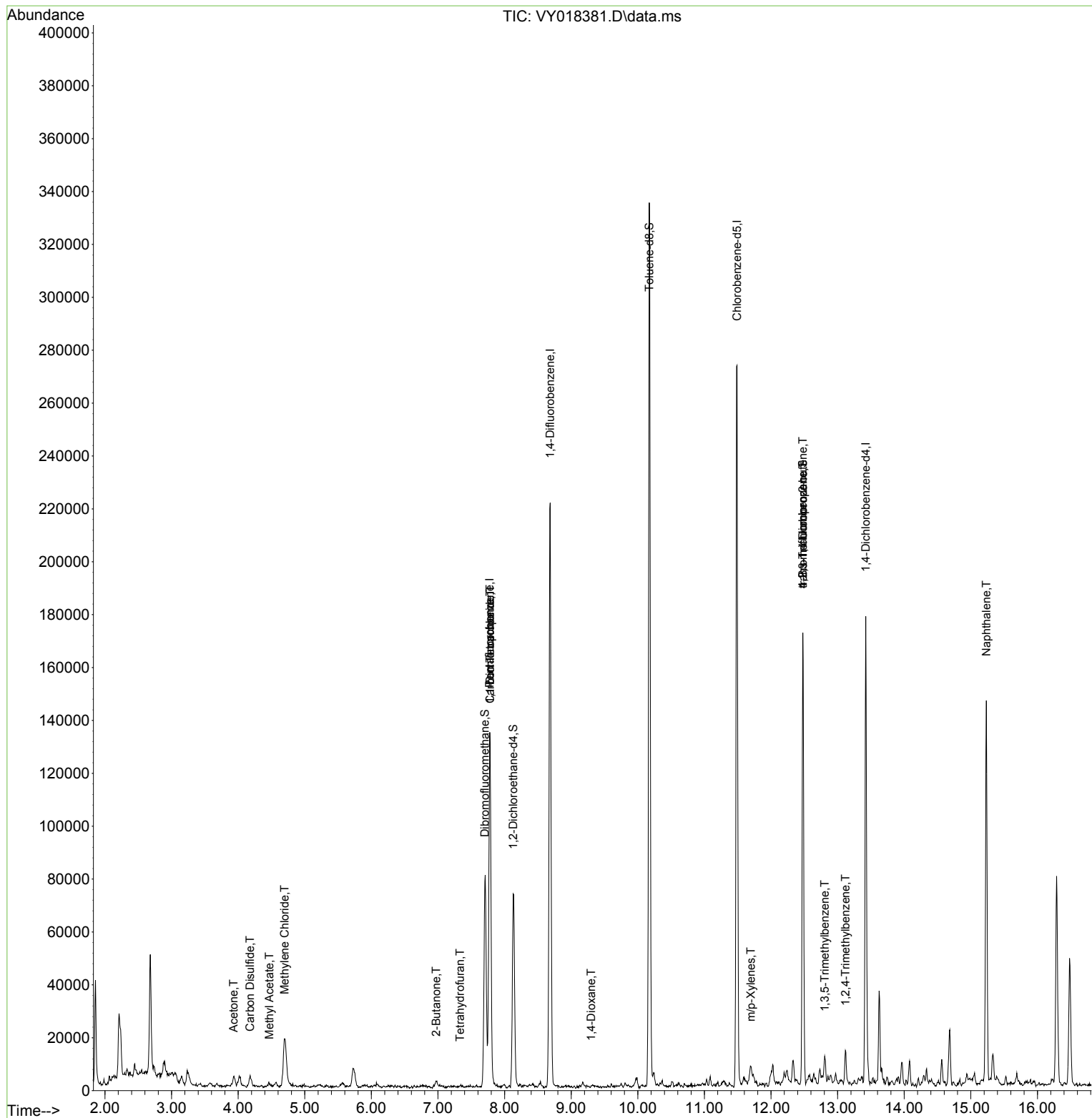
Internal Standards						
1) Pentafluorobenzene	7.777	168	97182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	189444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	149799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	40851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	54457	59.146	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.300%	
35) Dibromofluoromethane	7.704	113	57320	51.885	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.780%	
50) Toluene-d8	10.173	98	215648	50.067	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	12.477	95	53166	39.948	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 79.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	121	Below Cal	#	1
13) Acrolein	3.717	56	25	Below Cal	#	15
16) Acetone	3.930	43	6512	34.388	ug/l #	82
17) Carbon Disulfide	4.180	76	5548	1.932	ug/l #	71
18) Methyl Acetate	4.466	43	2265	4.513	ug/l #	77
20) Methylene Chloride	4.698	84	14262	9.123	ug/l #	94
25) 2-Butanone	6.972	43	3125	10.413	ug/l #	77
29) Tetrahydrofuran	7.332	42	417	2.111	ug/l #	72
31) Cyclohexane	7.777	56	3153	Below Cal	#	11
36) 1,1-Dichloropropene	7.783	75	8145	5.084	ug/l #	49
38) Carbon Tetrachloride	7.783	117	10512	6.406	ug/l #	16
49) 1,4-Dioxane	9.301	88	26	3.109	ug/l #	20
68) m/p-Xylenes	11.697	106	2196	1.050	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	28085	76.493	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	2990	1.185	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	28085	157.383	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.117	105	7076	2.852	ug/l	97
95) Naphthalene	15.233	128	112911	83.894	ug/l	98

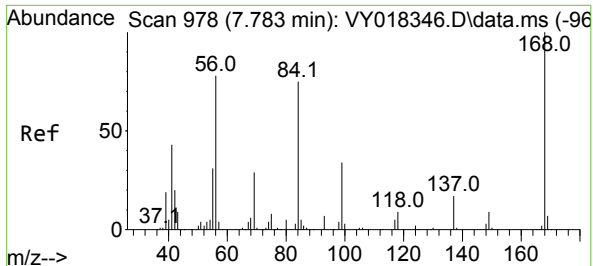
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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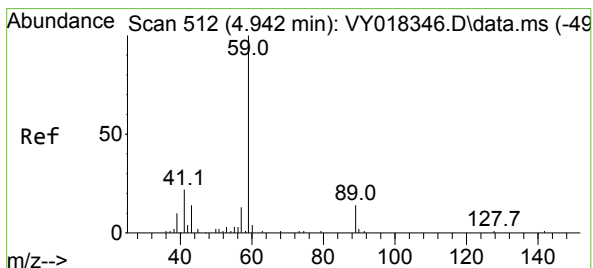
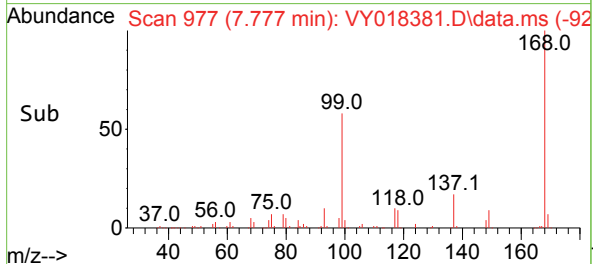
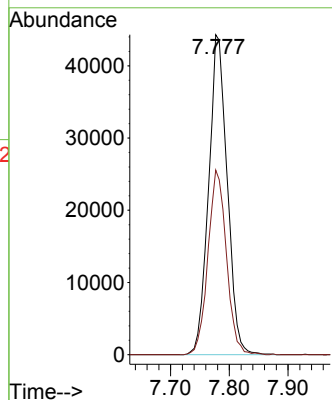
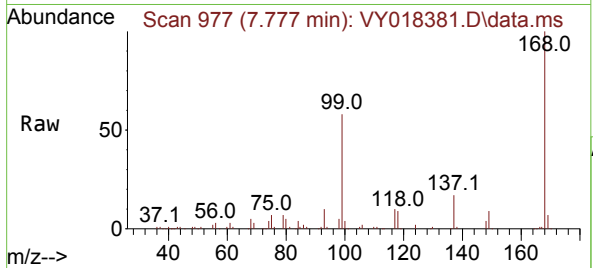




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

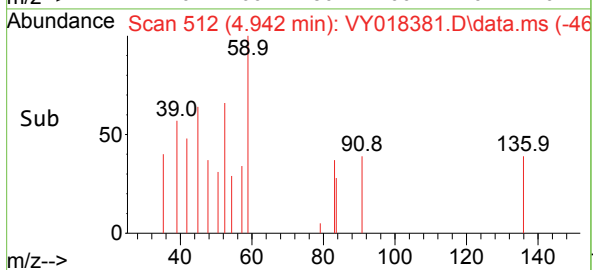
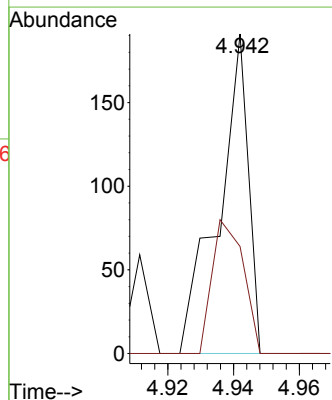
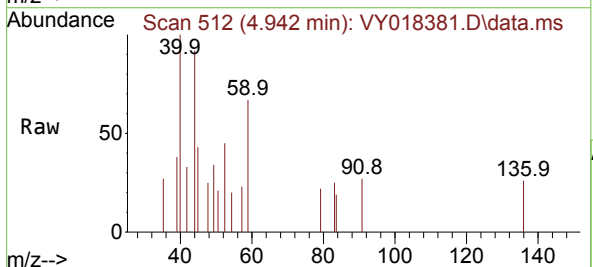
Instrument :
MSVOA_Y
ClientSampleId :

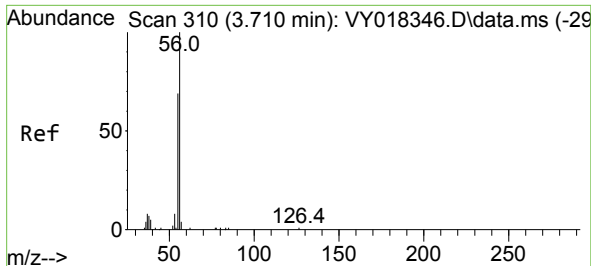
Tgt Ion:168 Resp: 97182
Ion Ratio Lower Upper
168 100
99 57.7 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

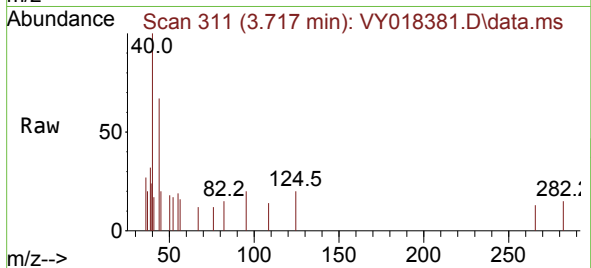
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 43.8 3.0 4.6#



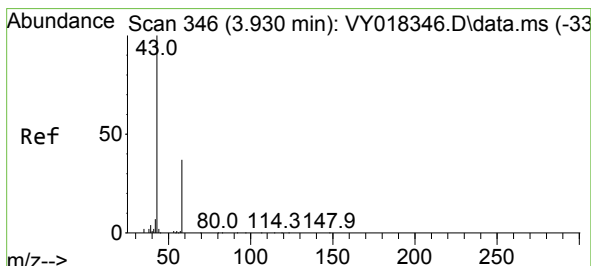
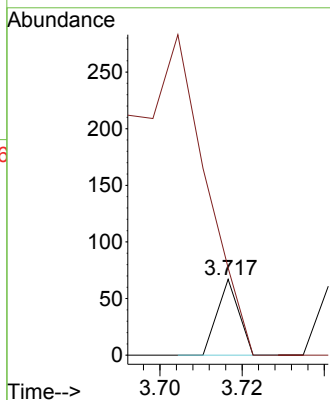
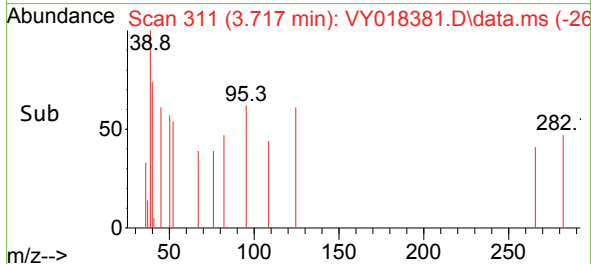


#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. 0.007 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Instrument :
MSVOA_Y
ClientSampleId :

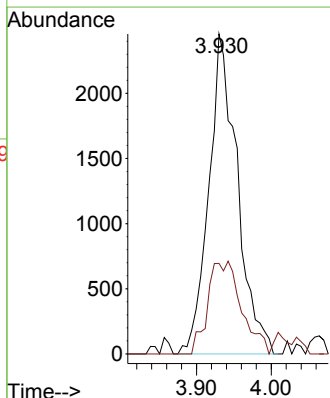
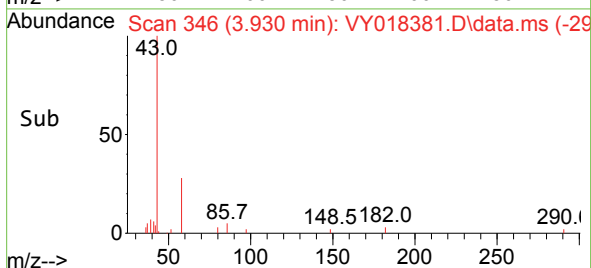
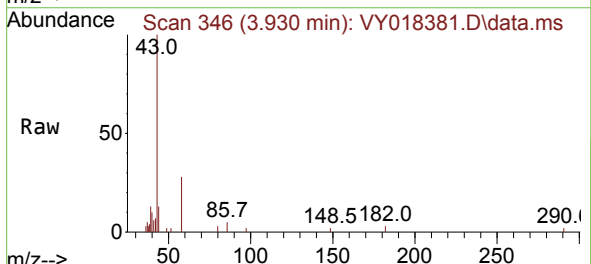


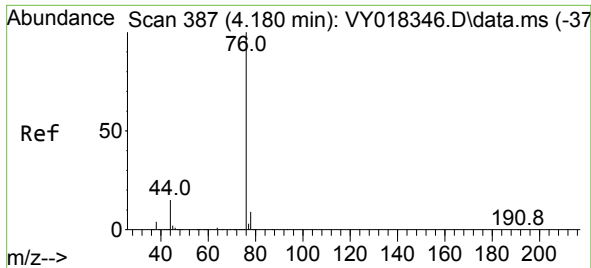
Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 34.388 ug/l
RT: 3.930 min Scan# 346
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Tgt Ion: 43 Resp: 6512
Ion Ratio Lower Upper
43 100
58 28.3 31.7 47.5#

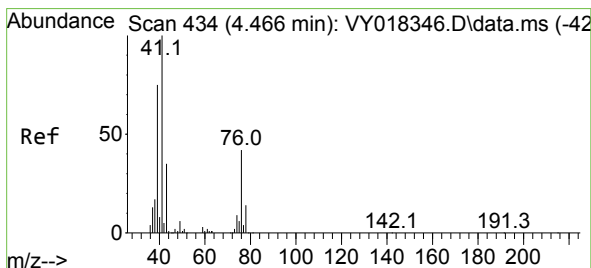
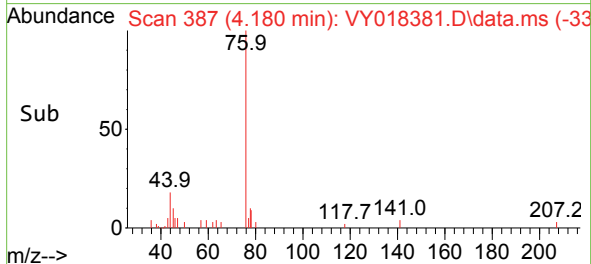
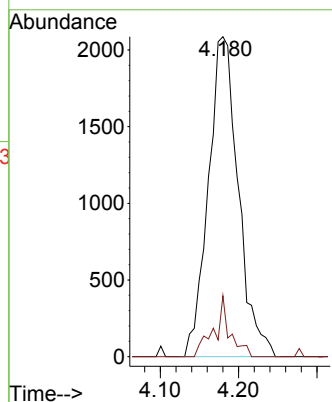
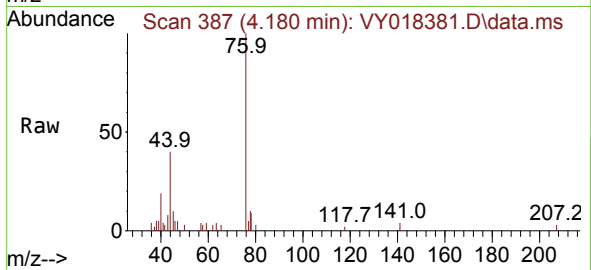




#17
Carbon Disulfide
Concen: 1.932 ug/l
RT: 4.180 min Scan# 387
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

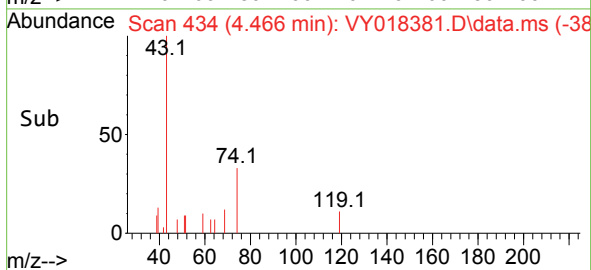
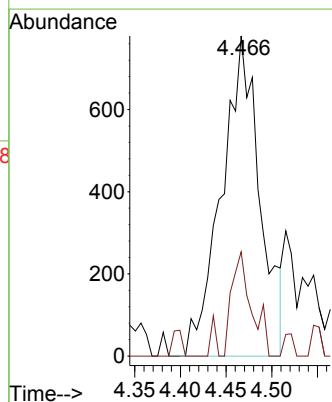
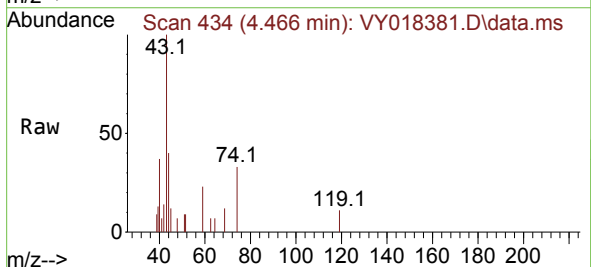
Instrument :
MSVOA_Y
ClientSampleId :

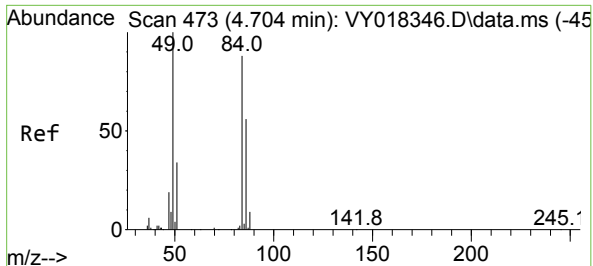
Tgt Ion: 76 Resp: 5548
Ion Ratio Lower Upper
76 100
78 19.0 6.8 10.2#



#18
Methyl Acetate
Concen: 4.513 ug/l
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Tgt Ion: 43 Resp: 2265
Ion Ratio Lower Upper
43 100
74 17.0 23.3 34.9#

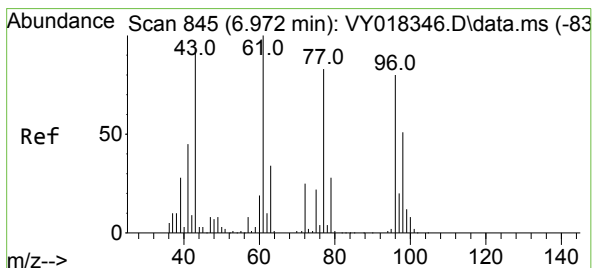
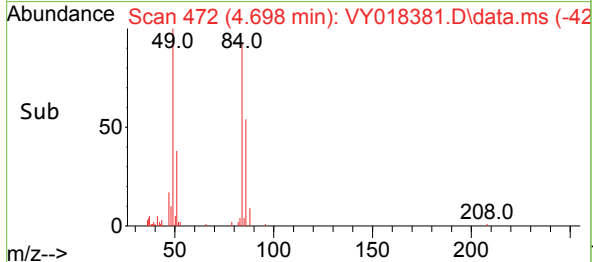
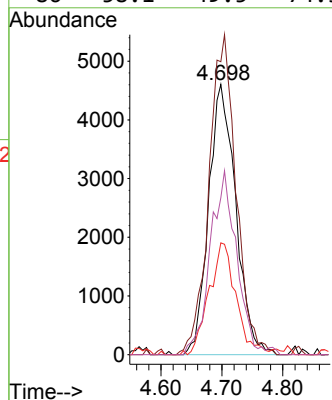
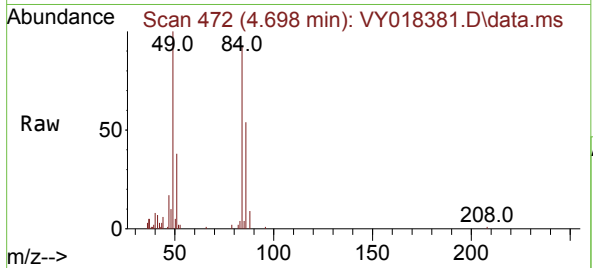




#20
Methylene Chloride
Concen: 9.123 ug/l
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

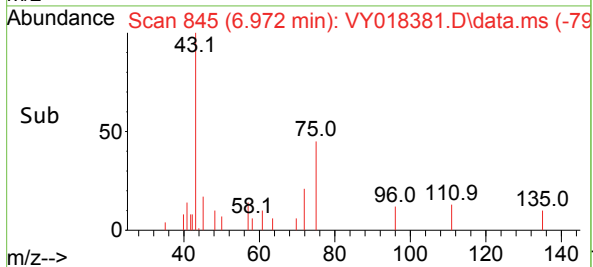
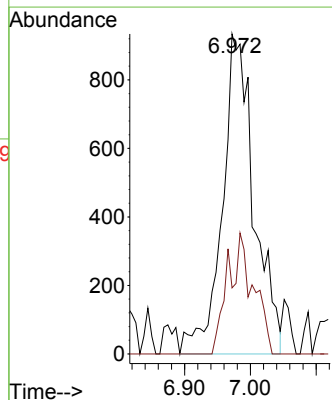
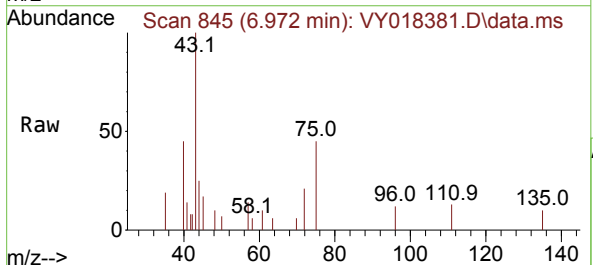
Instrument :
MSVOA_Y
ClientSampleId :

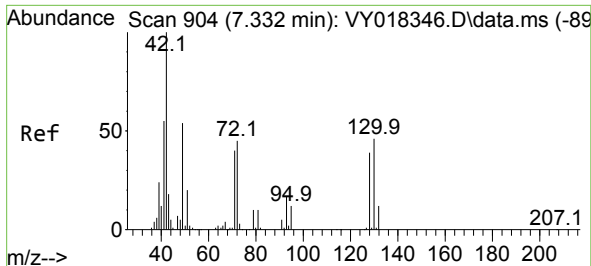
Tgt Ion:	84	Resp:	14262
Ion	Ratio	Lower	Upper
84	100		
49	108.4	84.4	126.6
51	41.4	26.0	39.0#
86	58.1	49.5	74.3



#25
2-Butanone
Concen: 10.413 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Tgt Ion:	43	Resp:	3125
Ion	Ratio	Lower	Upper
43	100		
72	20.7	27.3	40.9#





#29

Tetrahydrofuran

Concen: 2.111 ug/l

RT: 7.332 min Scan# 904

Delta R.T. 0.000 min

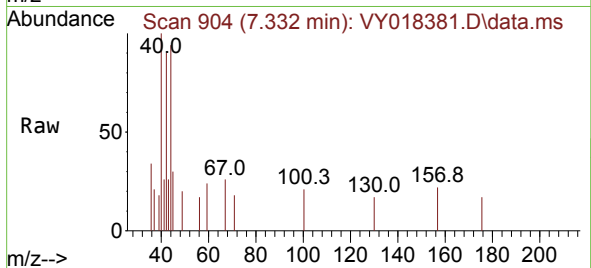
Lab File: VY018381.D

Acq: 28 May 2024 15:36

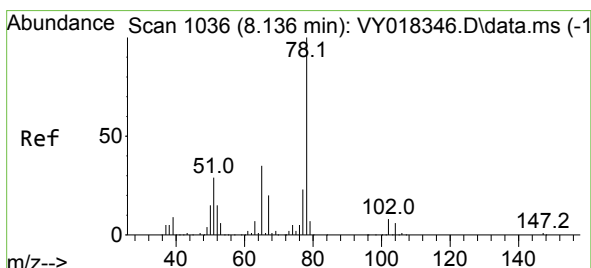
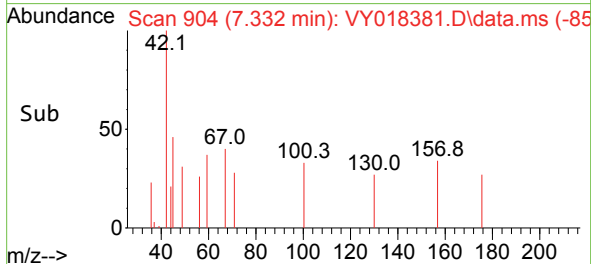
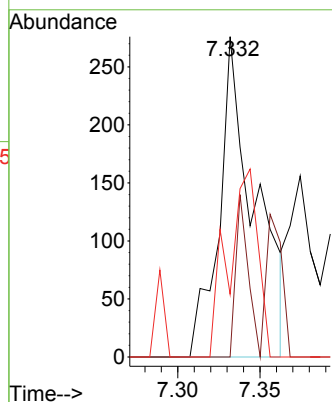
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	417
Ion Ratio	Lower	Upper	
42	100		
72	17.5	43.0	64.4#
71	48.4	40.8	61.2



#33

1,2-Dichloroethane-d4

Concen: 59.146 ug/l

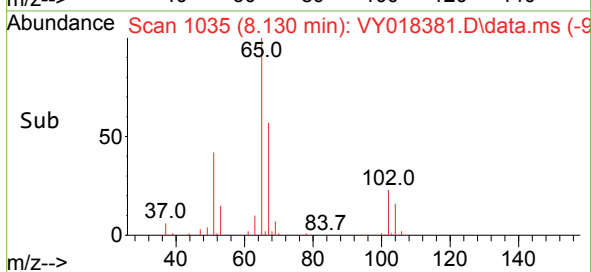
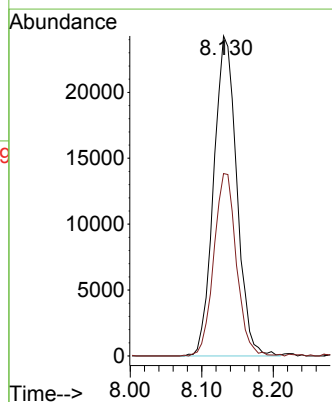
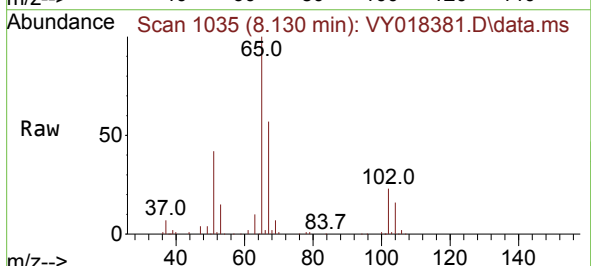
RT: 8.130 min Scan# 1035

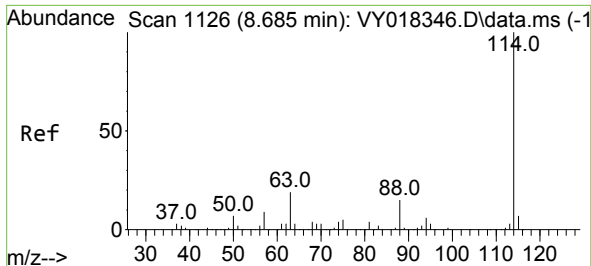
Delta R.T. -0.006 min

Lab File: VY018381.D

Acq: 28 May 2024 15:36

Tgt Ion:	65	Resp:	54457
Ion Ratio	Lower	Upper	
65	100		
67	55.8	0.0	109.6

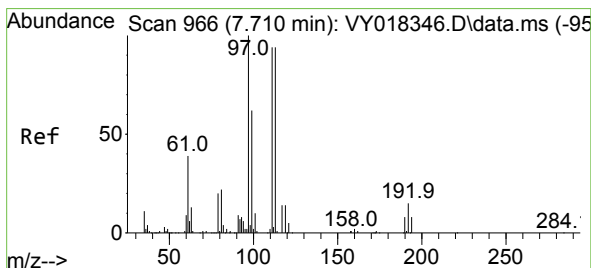
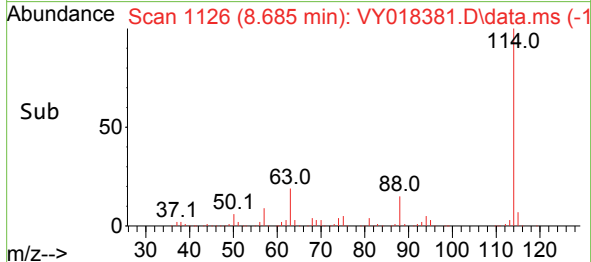
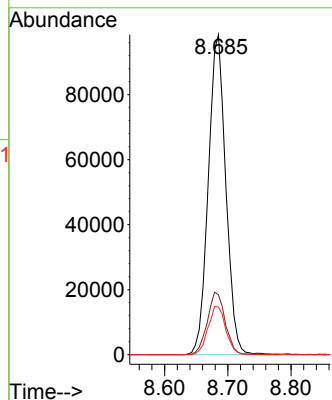
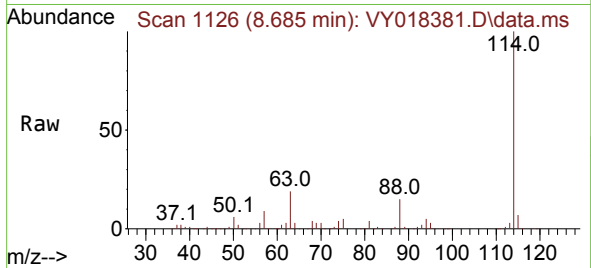




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

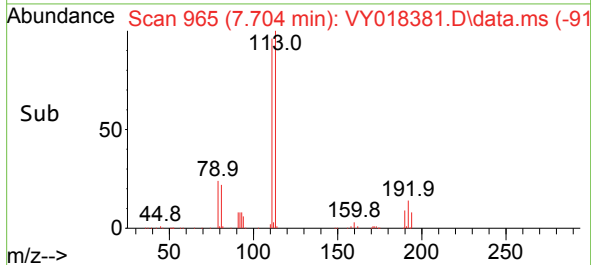
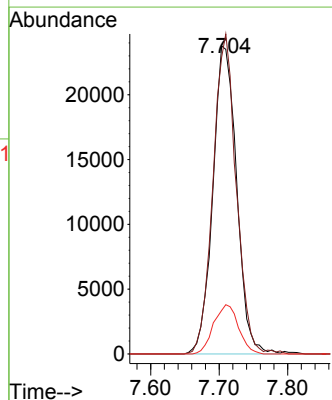
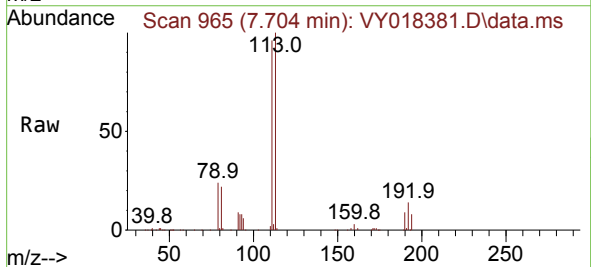
Instrument :
MSVOA_Y
ClientSampleId :

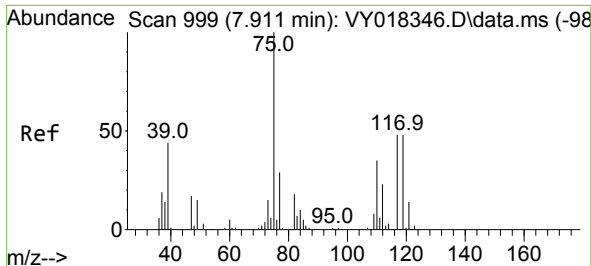
Tgt Ion:114 Resp: 189444
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.0
88 14.9 0.0 27.2



#35
Dibromofluoromethane
Concen: 51.885 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.006 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

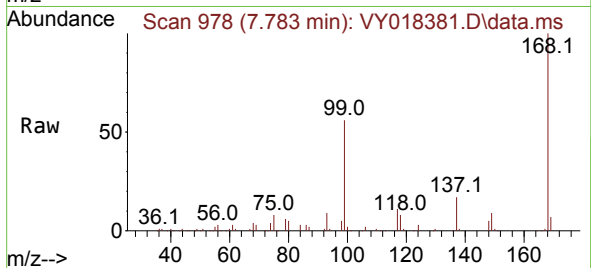
Tgt Ion:113 Resp: 57320
Ion Ratio Lower Upper
113 100
111 101.1 82.2 123.4
192 16.7 15.9 23.9



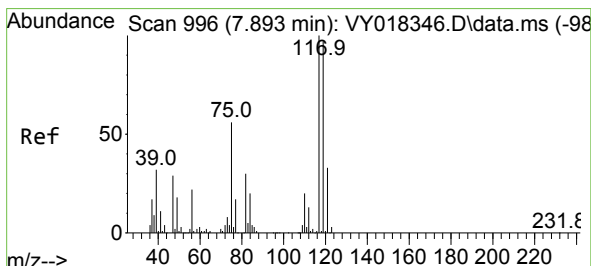
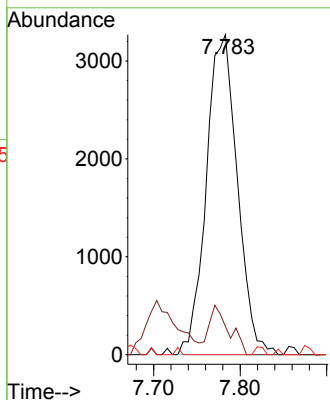
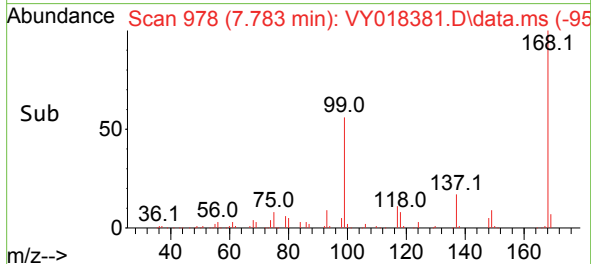


#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

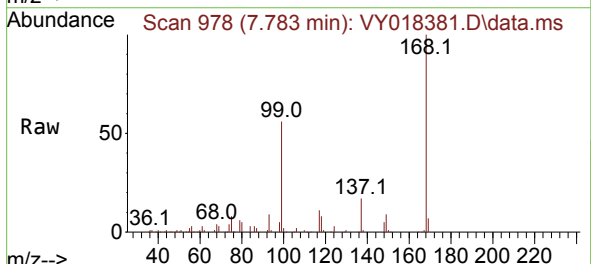
Instrument :
MSVOA_Y
ClientSampleId :



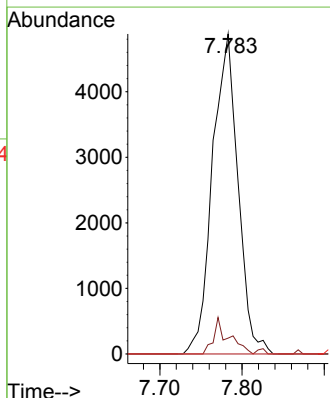
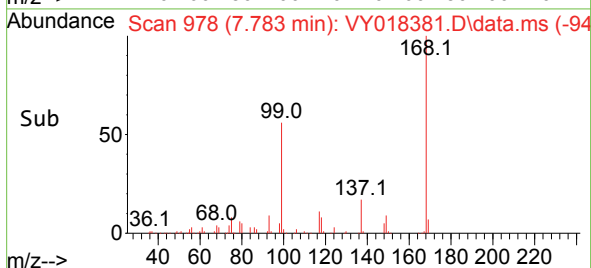
Tgt Ion: 75 Resp: 8145
Ion Ratio Lower Upper
75 100
110 10.1 19.0 57.0#
77 0.0 25.3 37.9#

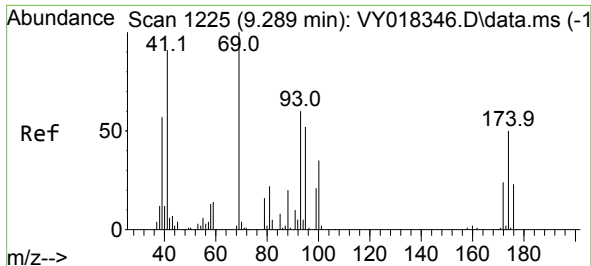


#38
Carbon Tetrachloride
Concen: 6.406 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36



Tgt Ion: 117 Resp: 10512
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 3.109 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.012 min

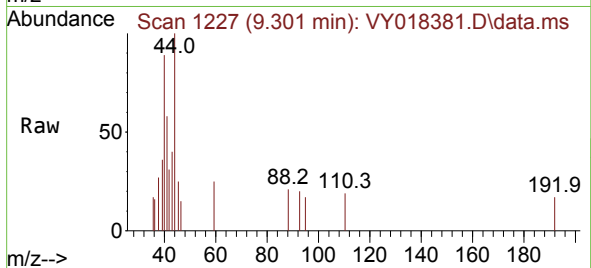
Lab File: VY018381.D

Acq: 28 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :



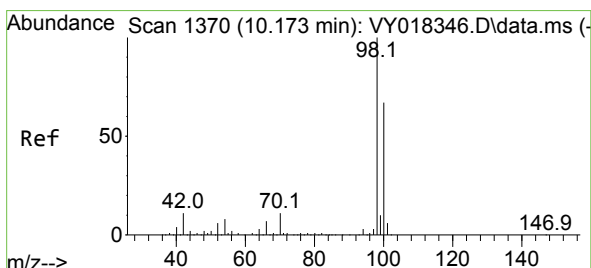
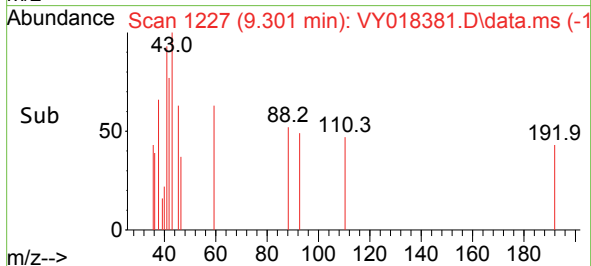
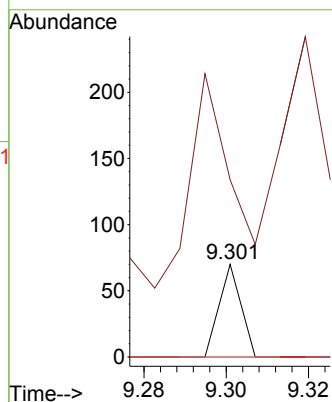
Tgt Ion: 88 Resp: 26

Ion Ratio Lower Upper

88 100

43 723.1 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 50.067 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY018381.D

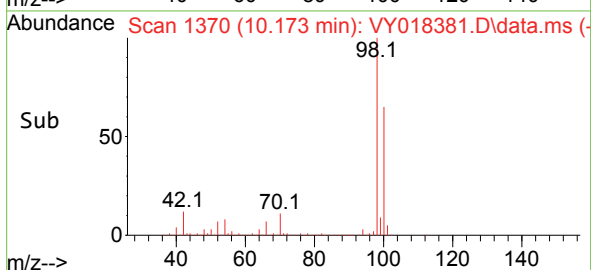
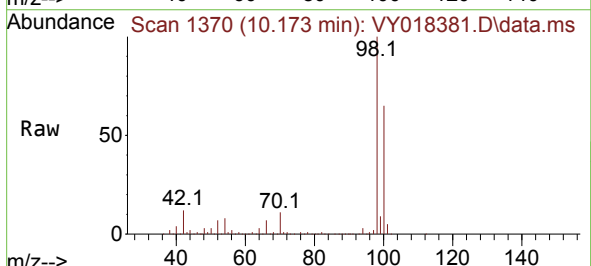
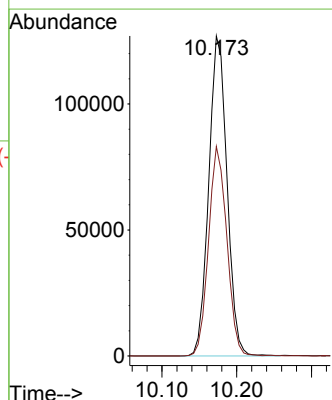
Acq: 28 May 2024 15:36

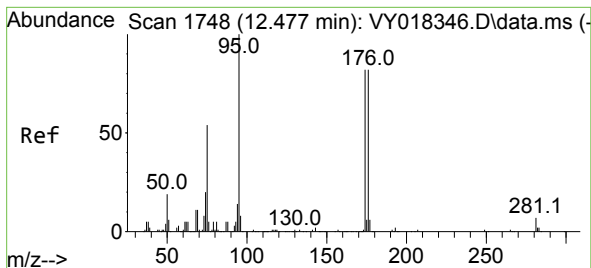
Tgt Ion: 98 Resp: 215648

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0

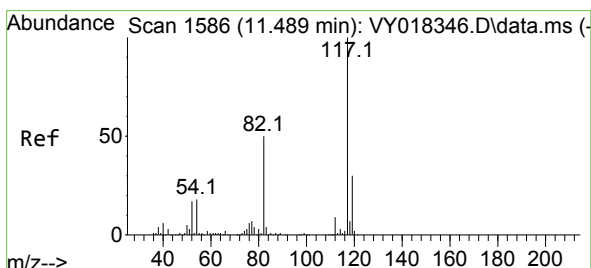
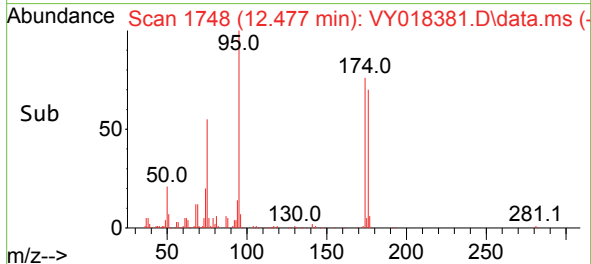
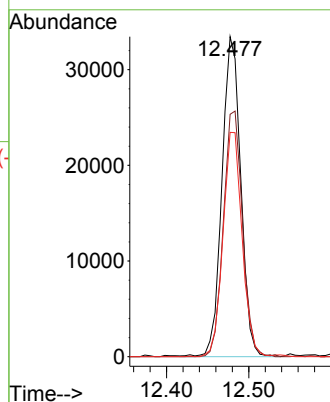
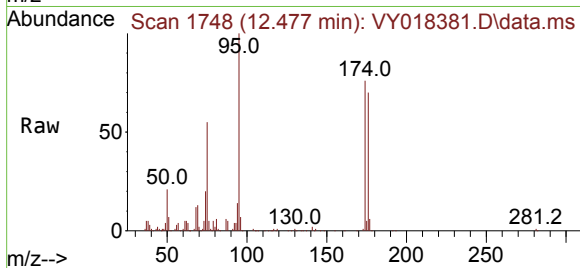




#62
4-Bromofluorobenzene
Concen: 39.948 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

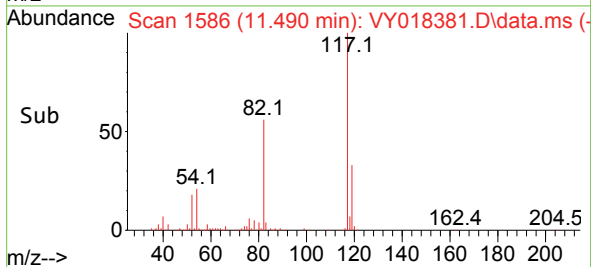
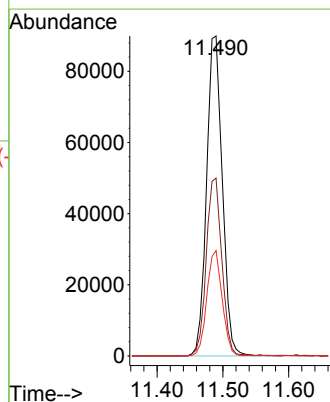
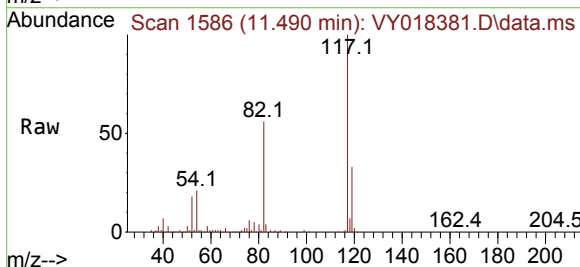
Instrument :
MSVOA_Y
ClientSampleId :

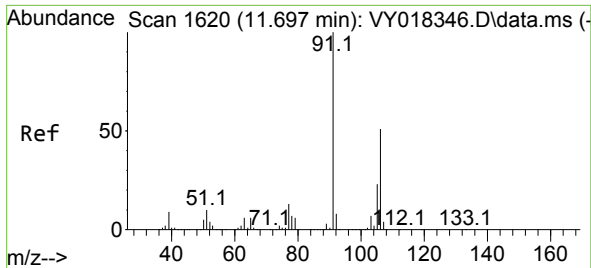
Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.8	0.0	175.6
176	71.4	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	42.4	63.6
119	33.0	25.9	38.9

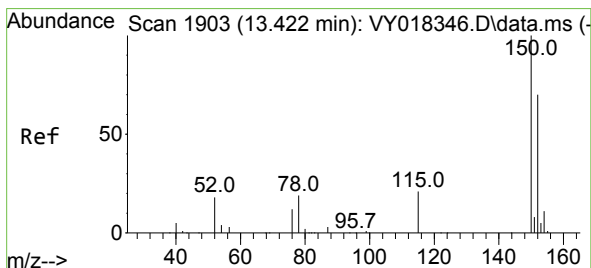
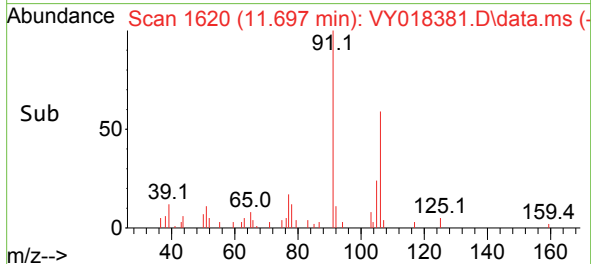
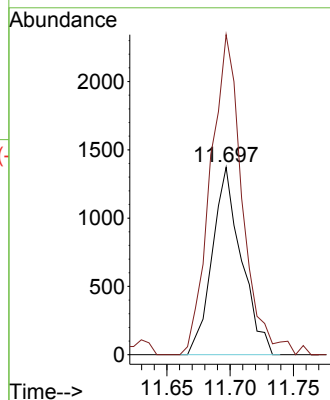
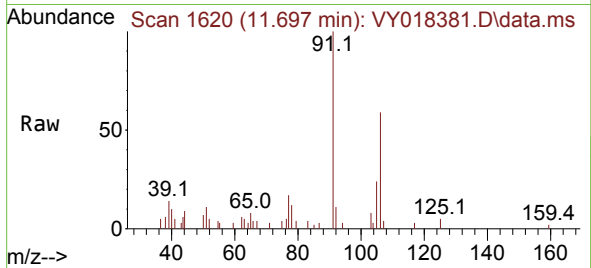




#68
m/p-Xylenes
Concen: 1.050 ug/l
RT: 11.697 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

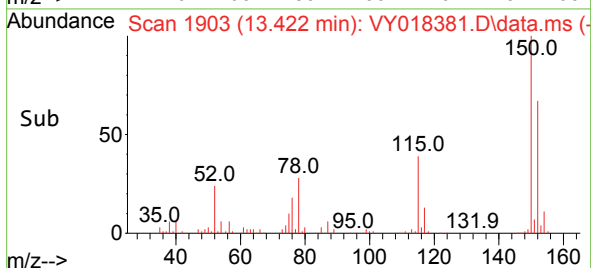
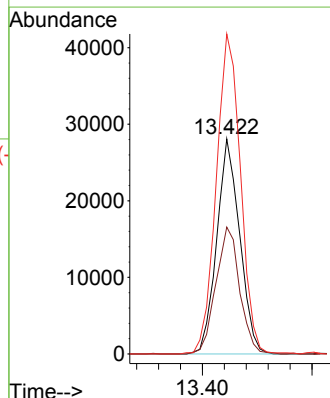
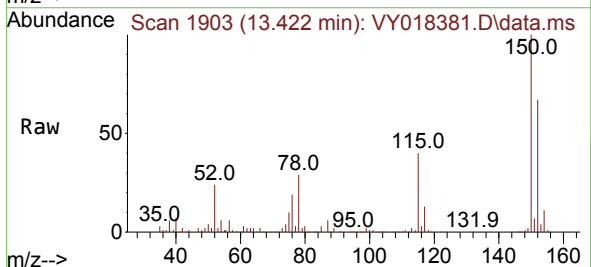
Instrument :
MSVOA_Y
ClientSampleId :

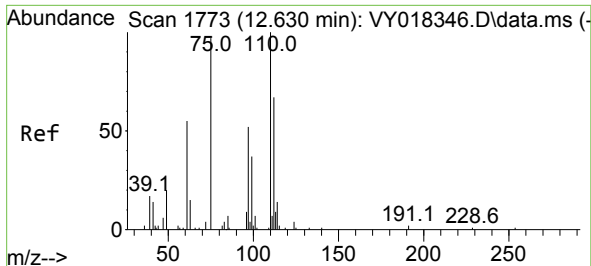
Tgt Ion:106 Resp: 2196
Ion Ratio Lower Upper
106 100
91 187.8 156.0 234.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

Tgt Ion:152 Resp: 40851
Ion Ratio Lower Upper
152 100
115 61.1 28.2 84.7
150 157.4 0.0 345.6

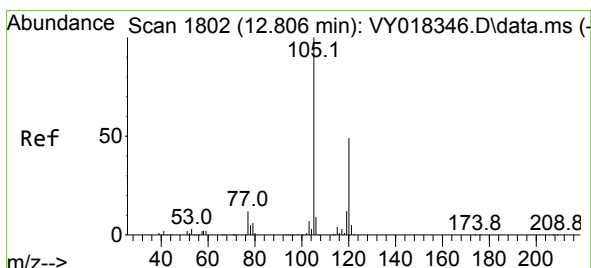
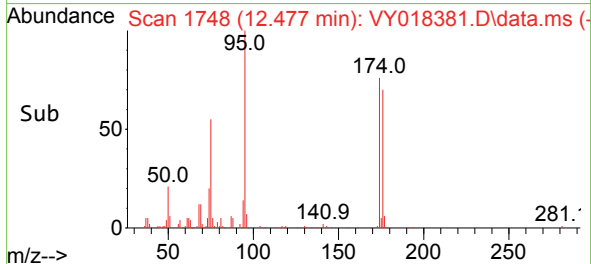
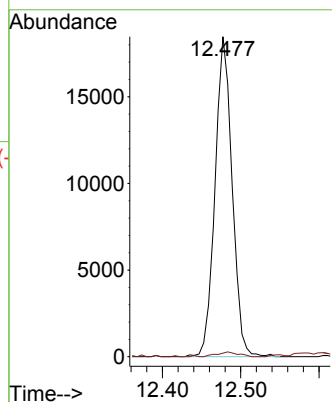
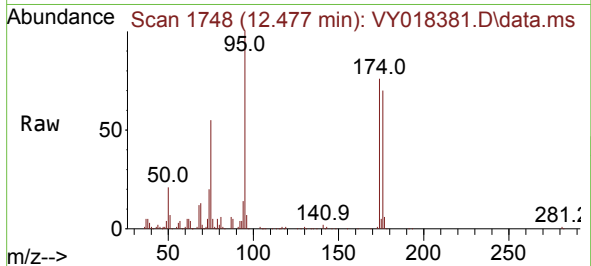




#76
1,2,3-Trichloropropane
Concen: 76.493 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

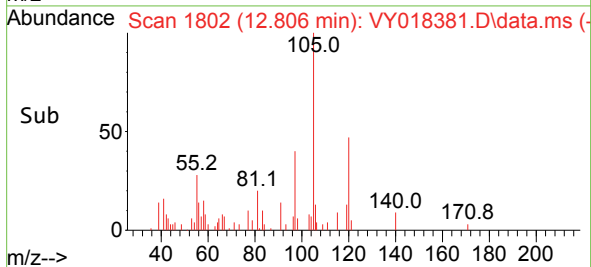
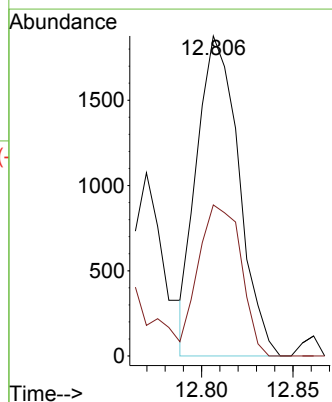
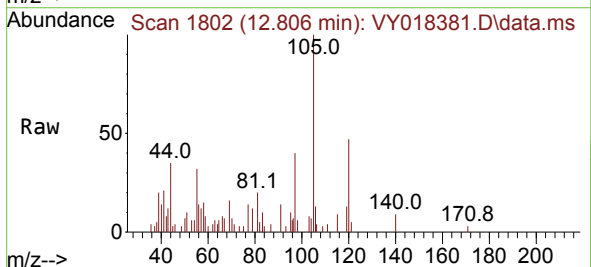
Instrument :
MSVOA_Y
ClientSampleId :

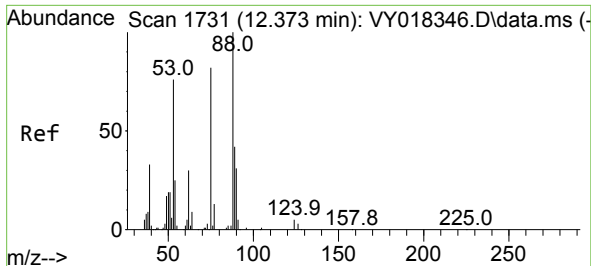
Tgt Ion: 75 Resp: 28085
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.185 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VY018381.D
Acq: 28 May 2024 15:36

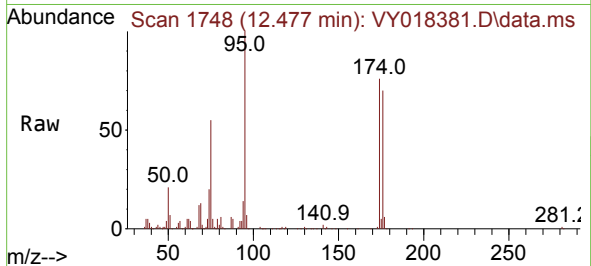
Tgt Ion: 105 Resp: 2990
Ion Ratio Lower Upper
105 100
120 48.0 25.1 75.2



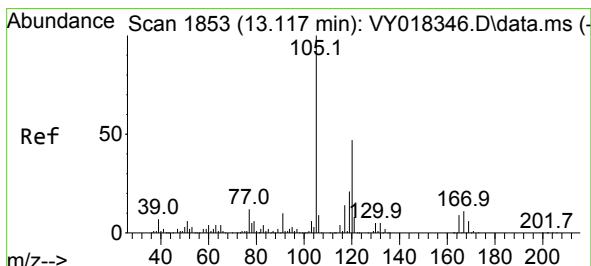
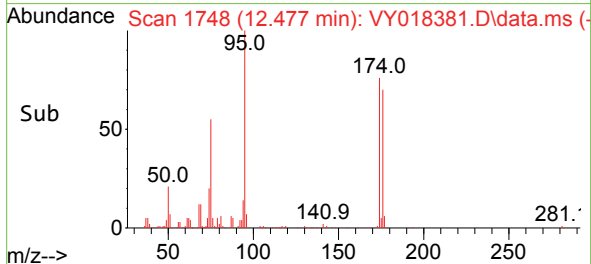
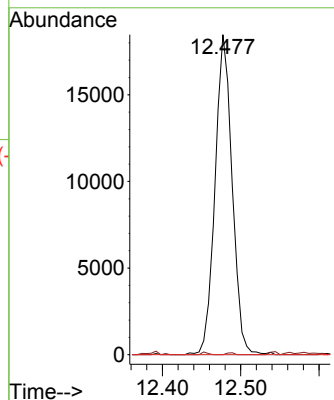


#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.383 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. 0.104 min
 Lab File: VY018381.D
 Acq: 28 May 2024 15:36

Instrument :
 MSVOA_Y
 ClientSampleId :

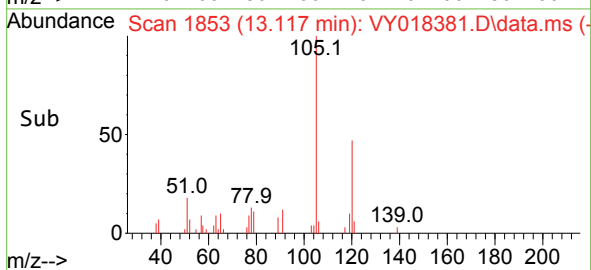
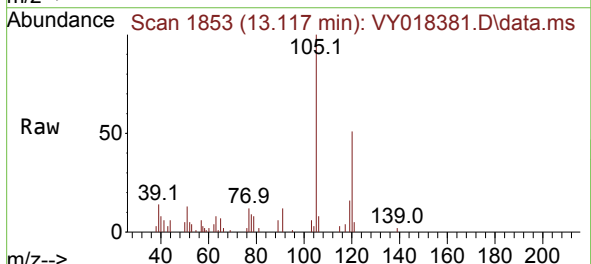
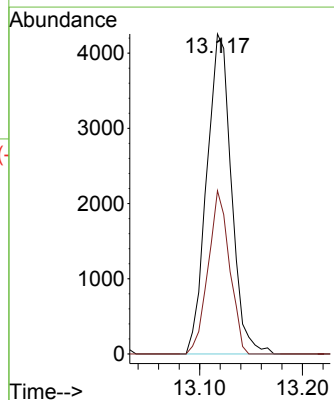


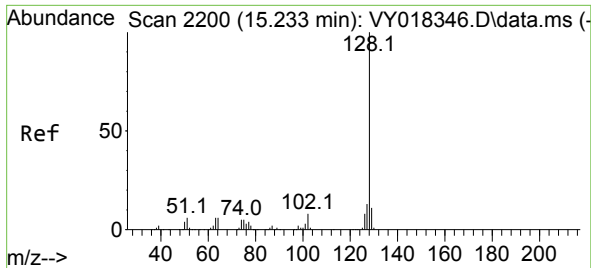
Tgt Ion: 75 Resp: 28085
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.8 100.2#
 89 0.0 35.8 53.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.852 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY018381.D
 Acq: 28 May 2024 15:36

Tgt Ion: 105 Resp: 7076
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.2 69.6





#95

Naphthalene

Concen: 83.894 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

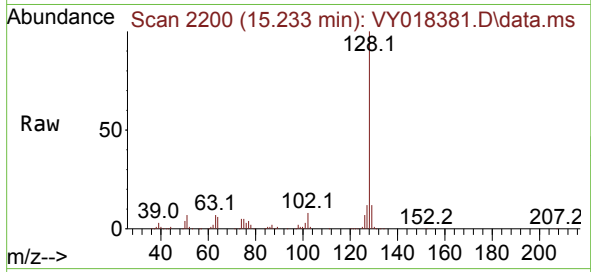
Lab File: VY018381.D

Acq: 28 May 2024 15:36

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 112911

Ion Ratio Lower Upper

128 100

127 12.2 10.6 16.0

129 11.3 8.6 13.0

