

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018132.D
 Acq On : 03 May 2024 10:28
 Operator : SY/MD
 Sample : VY0503SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 02:53:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

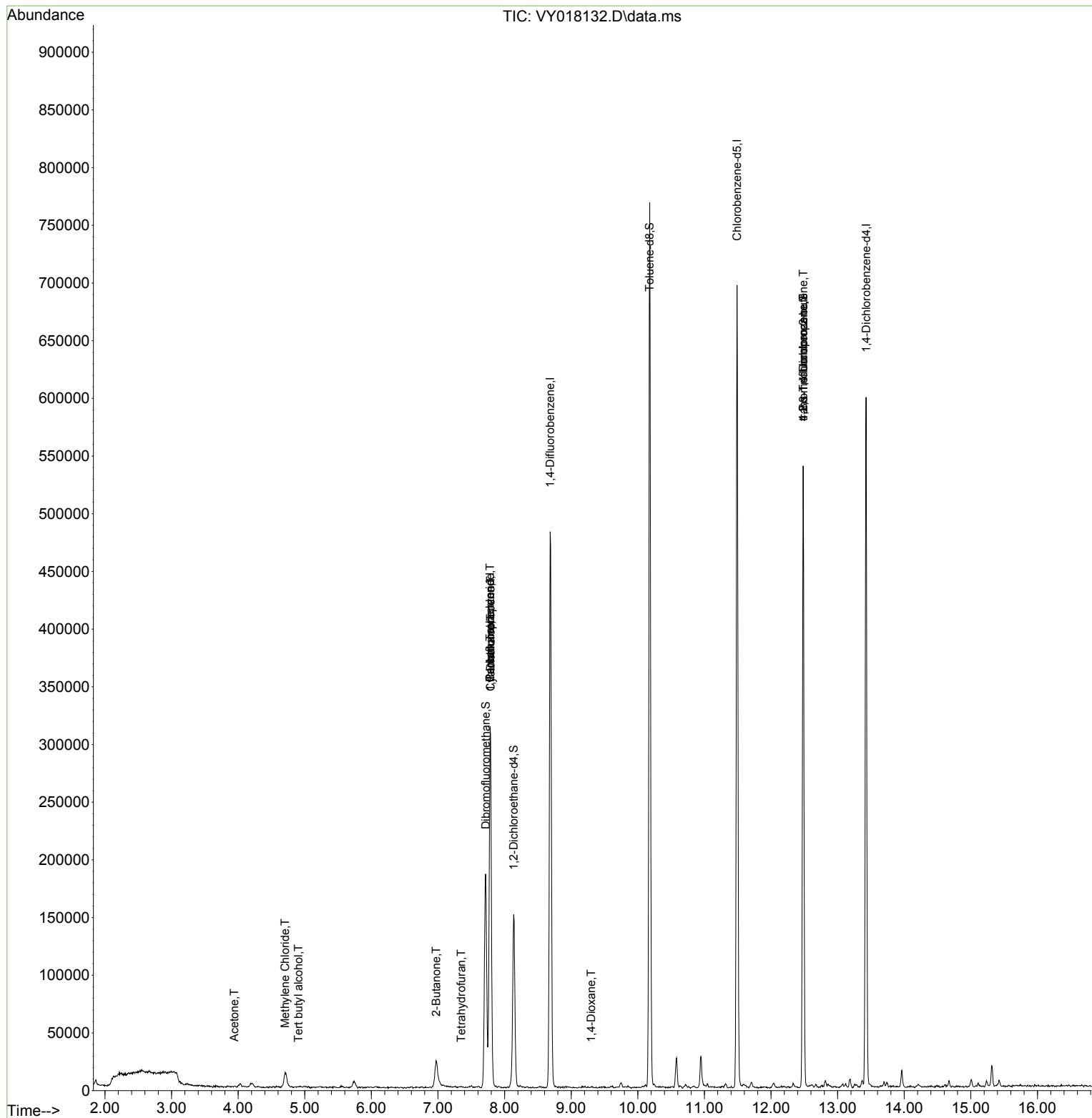
Internal Standards						
1) Pentafluorobenzene	7.783	168	262059	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	461643	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	405173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	163350	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107333	51.961	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.920%			
35) Dibromofluoromethane	7.716	113	133618	50.366	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.740%			
50) Toluene-d8	10.179	98	509490	49.194	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.380%			
62) 4-Bromofluorobenzene	12.483	95	158460	44.459	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 88.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.905	59	277	1.645	ug/l #	1
16) Acetone	3.942	43	681	1.731	ug/l #	63
20) Methylene Chloride	4.704	84	9947	3.607	ug/l #	90
25) 2-Butanone	6.972	43	1128	1.843	ug/l #	79
29) Tetrahydrofuran	7.350	42	558	1.434	ug/l #	53
31) Cyclohexane	7.789	56	5019	1.268	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17890	5.052	ug/l #	49
38) Carbon Tetrachloride	7.783	117	23962	5.962	ug/l #	16
49) 1,4-Dioxane	9.301	88	24	1.433	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	77936	56.849	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77936	103.567	ug/l #	16

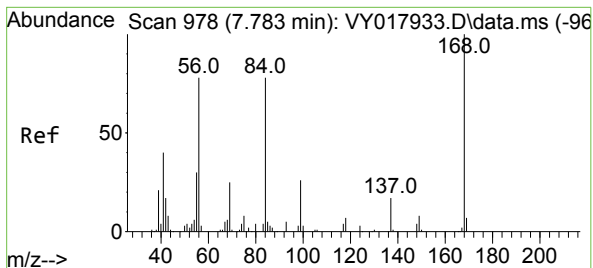
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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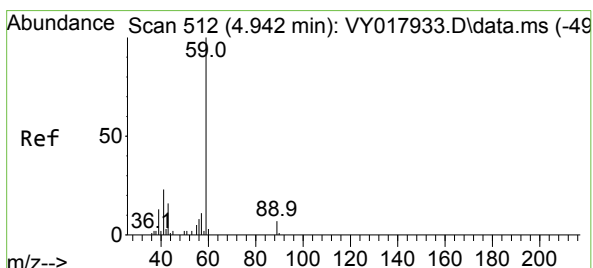
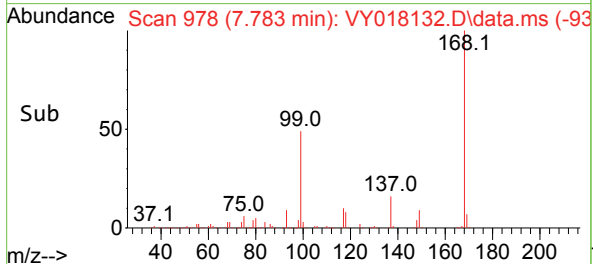
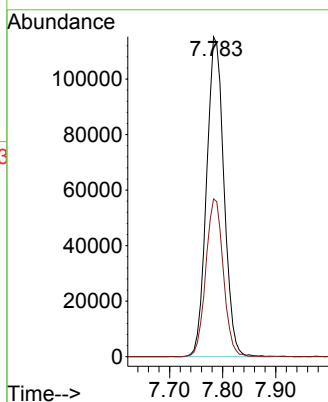
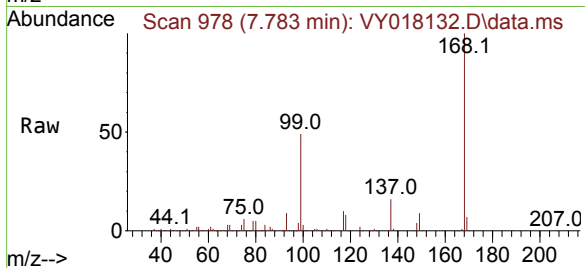




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

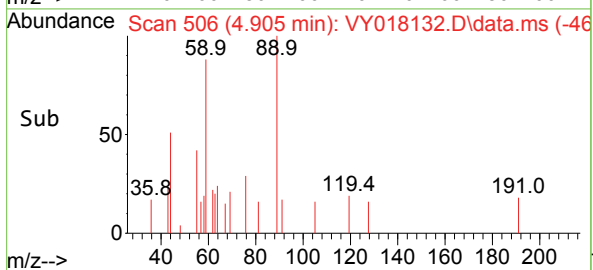
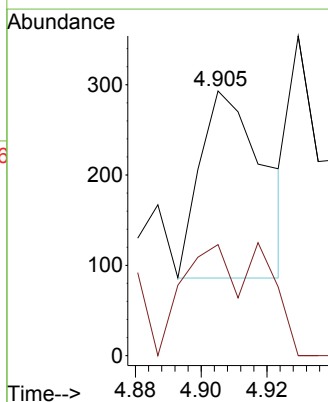
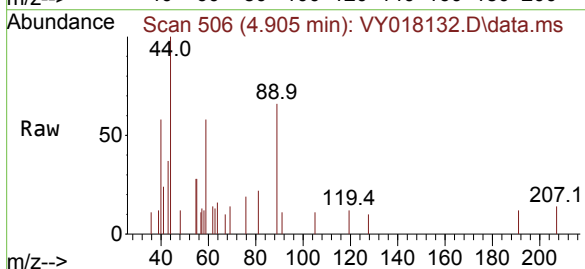
Instrument :
MSVOA_Y
ClientSampleId :

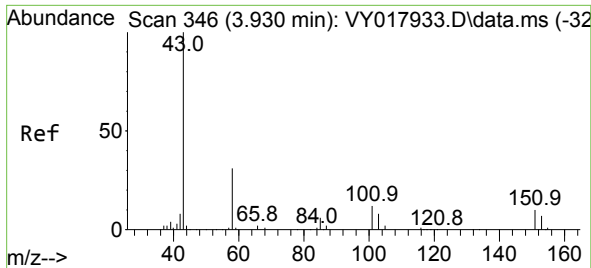
Tgt Ion:168 Resp: 262059
Ion Ratio Lower Upper
168 100
99 49.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 1.645 ug/l
RT: 4.905 min Scan# 506
Delta R.T. -0.049 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 75.8 3.0 4.6#





#16

Acetone

Concen: 1.731 ug/l

RT: 3.942 min Scan# 346

Delta R.T. -0.006 min

Lab File: VY018132.D

Acq: 03 May 2024 10:28

Instrument :

MSVOA_Y

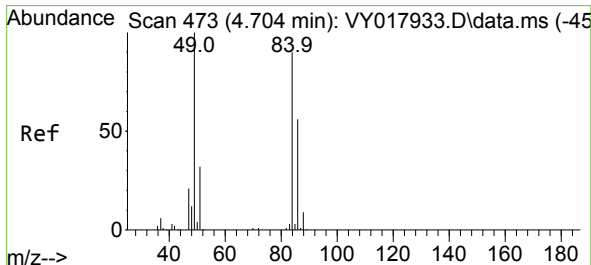
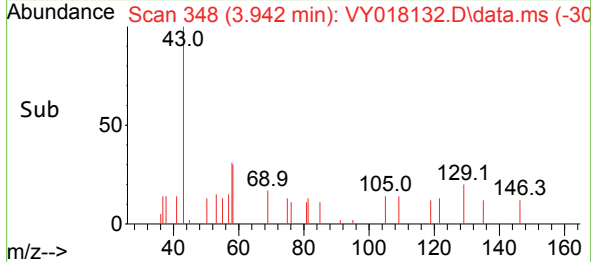
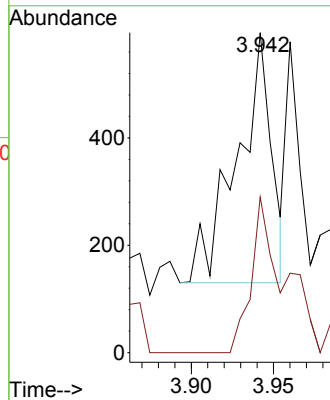
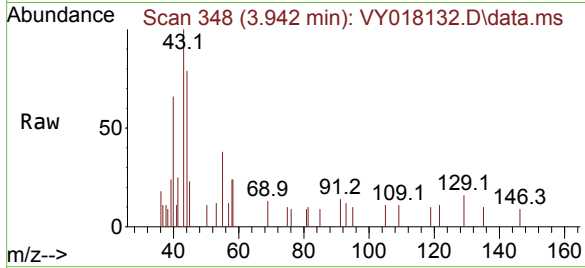
ClientSampleId :

Tgt Ion: 43 Resp: 681

Ion Ratio Lower Upper

43 100

58 62.2 31.7 47.5#



#20

Methylene Chloride

Concen: 3.607 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY018132.D

Acq: 03 May 2024 10:28

Tgt Ion: 84 Resp: 9947

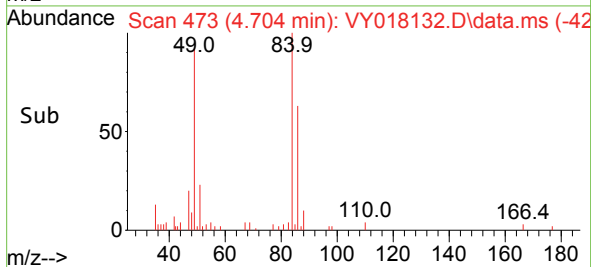
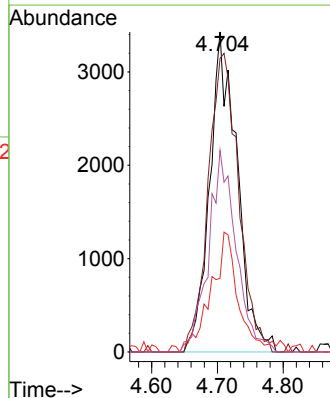
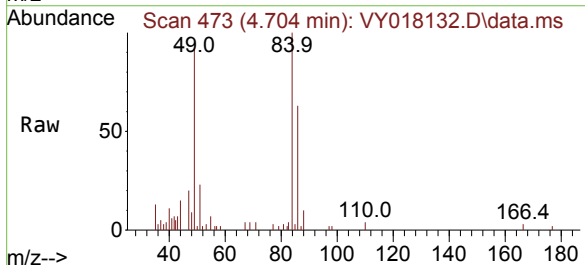
Ion Ratio Lower Upper

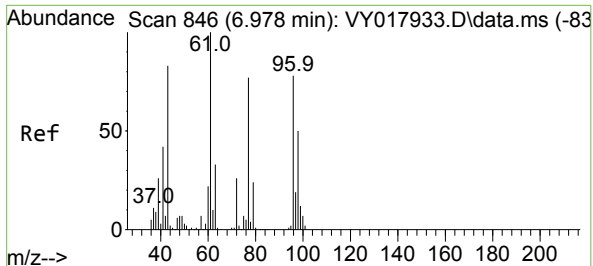
84 100

49 91.7 84.4 126.6

51 23.0 26.0 39.0#

86 63.0 49.5 74.3

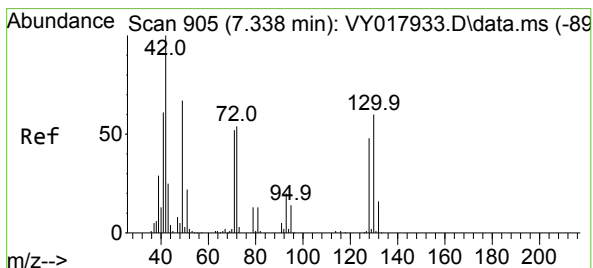
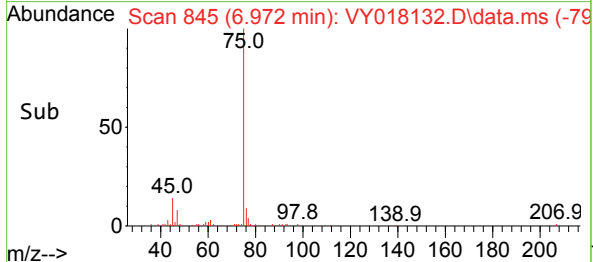
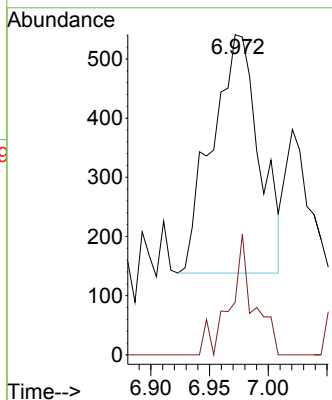
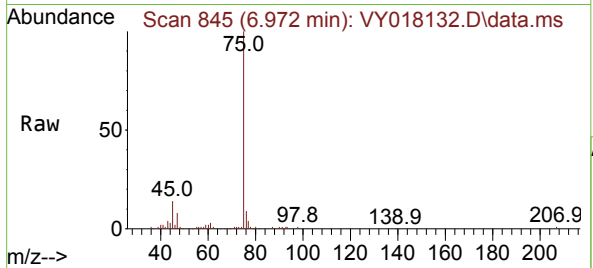




#25
2-Butanone
Concen: 1.843 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

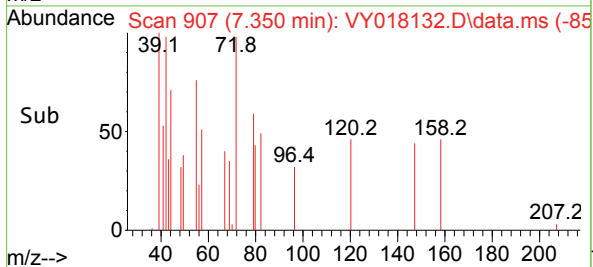
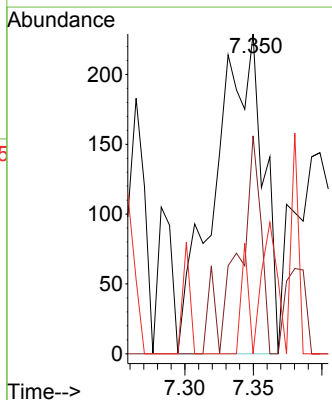
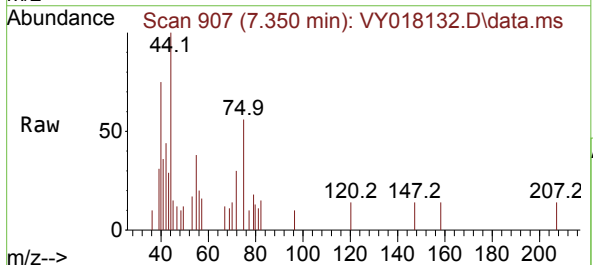
Instrument :
MSVOA_Y
ClientSampleId :

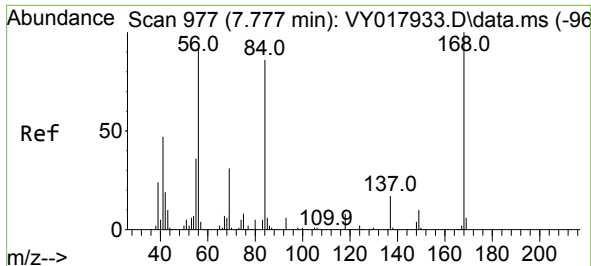
Tgt Ion: 43 Resp: 1128
Ion Ratio Lower Upper
43 100
72 22.1 27.3 40.9#



#29
Tetrahydrofuran
Concen: 1.434 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

Tgt Ion: 42 Resp: 558
Ion Ratio Lower Upper
42 100
72 33.3 43.0 64.4#
71 5.2 40.8 61.2#

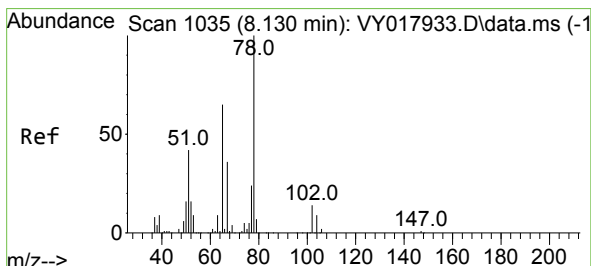
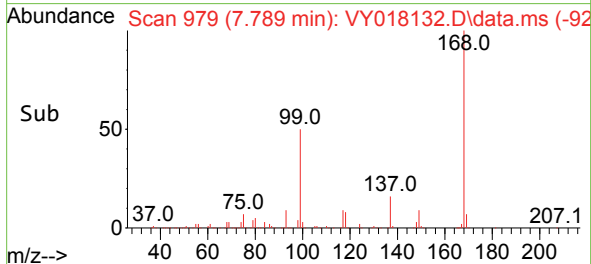
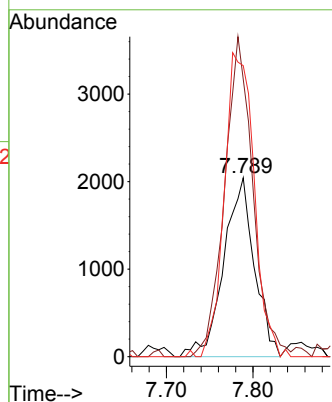
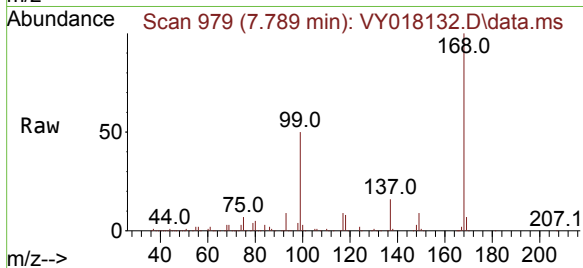




#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

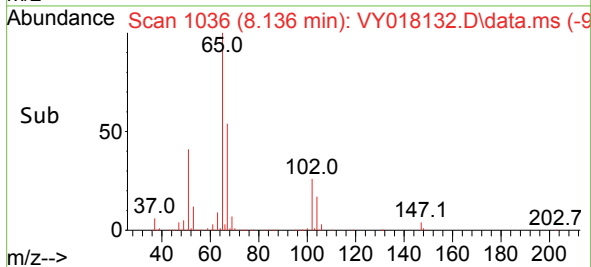
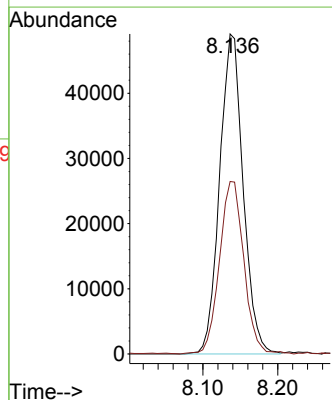
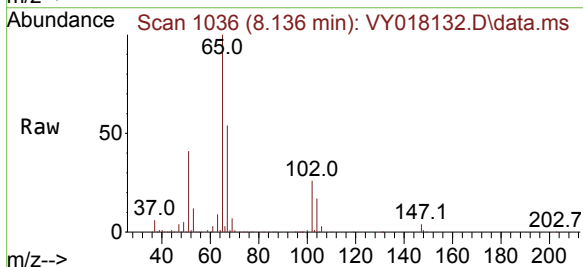
Instrument :
MSVOA_Y
ClientSampleId :

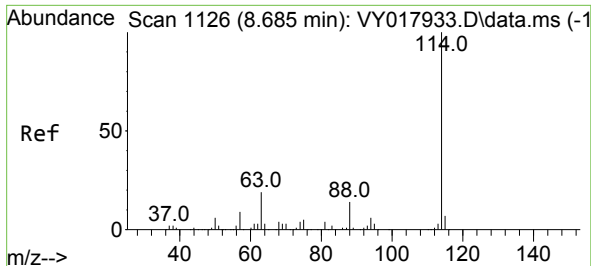
Tgt Ion: 56 Resp: 5019
Ion Ratio Lower Upper
56 100
69 155.0 28.7 43.1#
84 162.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 51.961 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

Tgt Ion: 65 Resp: 107333
Ion Ratio Lower Upper
65 100
67 56.0 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: VY018132.D

Acq: 03 May 2024 10:28

Instrument :

MSVOA_Y

ClientSampleId :

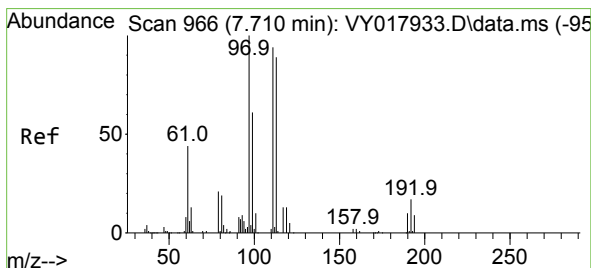
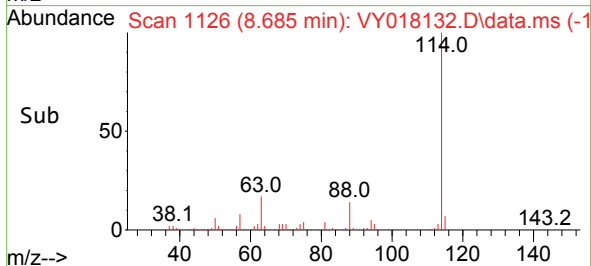
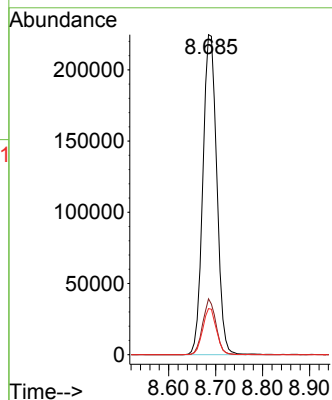
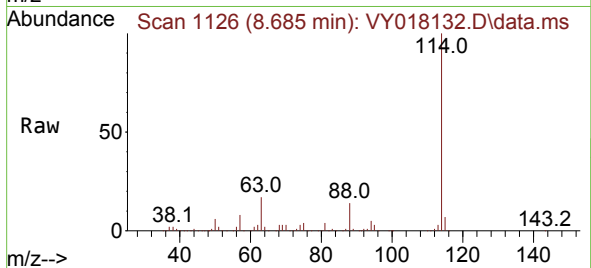
Tgt Ion:114 Resp: 461643

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

88 14.4 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.366 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY018132.D

Acq: 03 May 2024 10:28

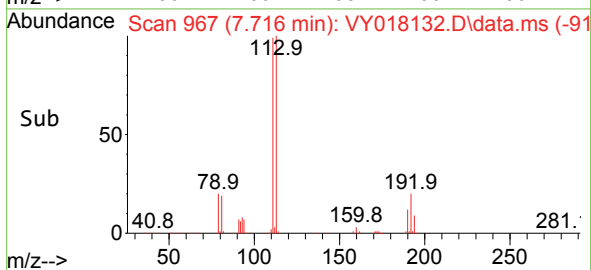
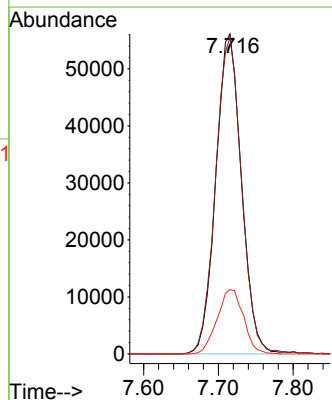
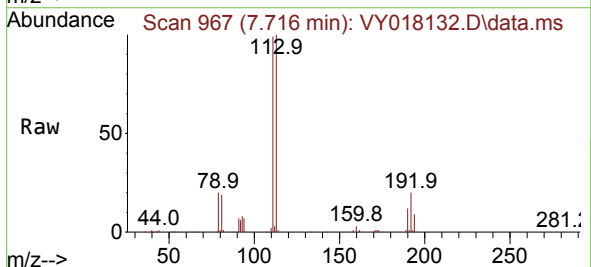
Tgt Ion:113 Resp: 133618

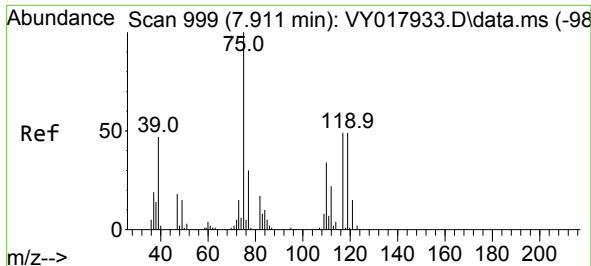
Ion Ratio Lower Upper

113 100

111 101.0 82.2 123.4

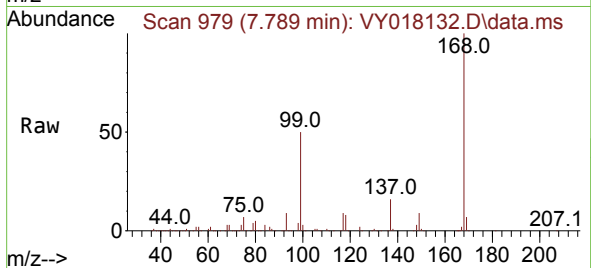
192 20.8 15.9 23.9



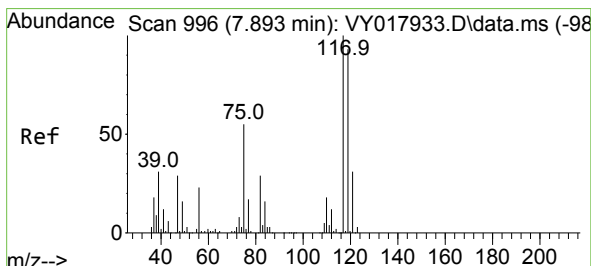
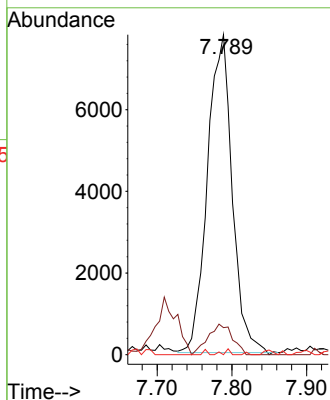
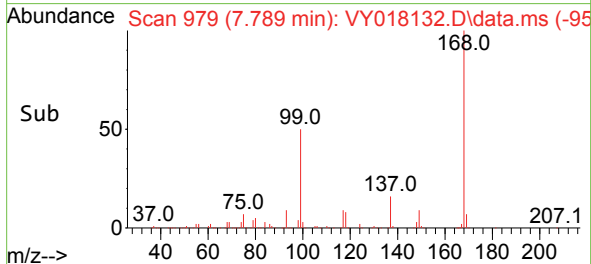


#36
1,1-Dichloropropene
Concen: 5.052 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

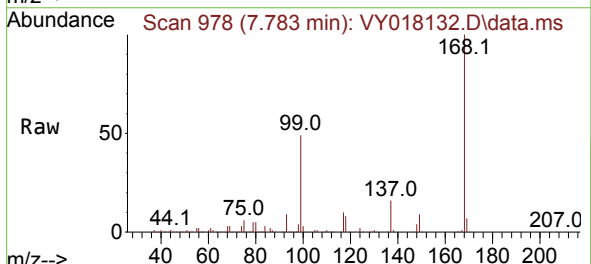
Instrument :
MSVOA_Y
ClientSampleId :



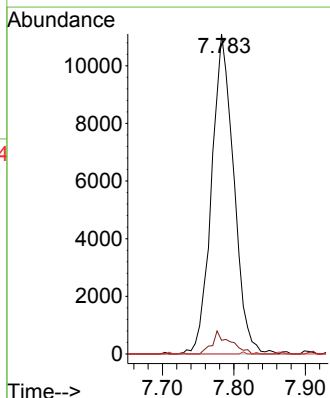
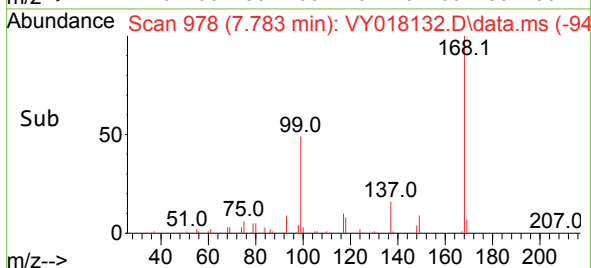
Tgt Ion: 75 Resp: 17890
Ion Ratio Lower Upper
75 100
110 9.5 19.0 57.0#
77 0.4 25.3 37.9#

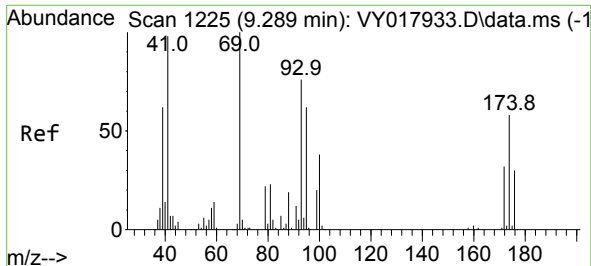


#38
Carbon Tetrachloride
Concen: 5.962 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28



Tgt Ion: 117 Resp: 23962
Ion Ratio Lower Upper
117 100
119 4.3 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 1.433 ug/l

RT: 9.301 min Scan# 11

Delta R.T. -0.000 min

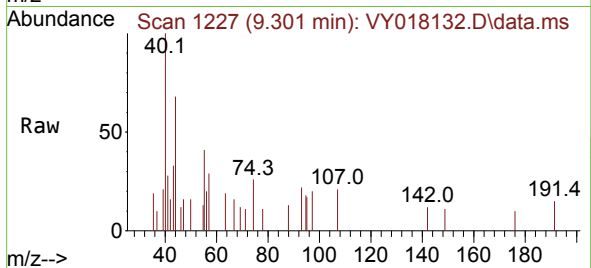
Lab File: VY018132.D

Acq: 03 May 2024 10:28

Instrument :

MSVOA_Y

ClientSampleId :



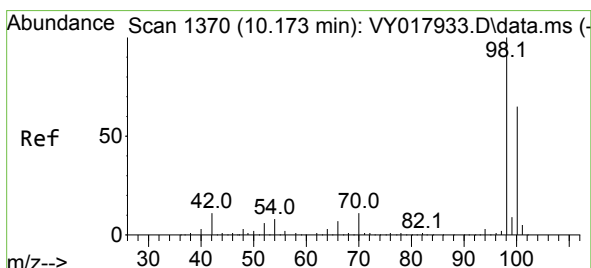
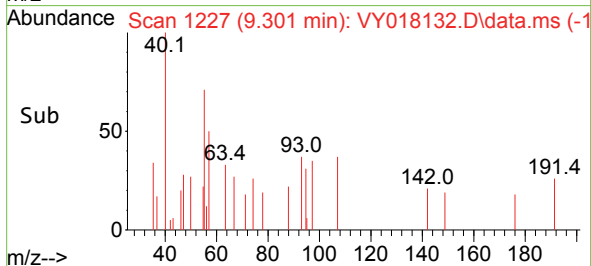
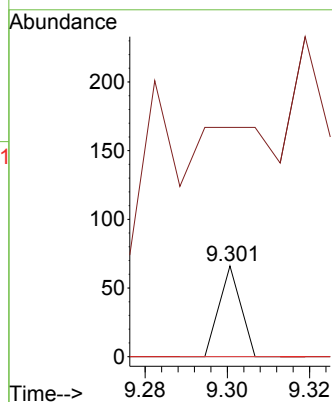
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 49.194 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018132.D

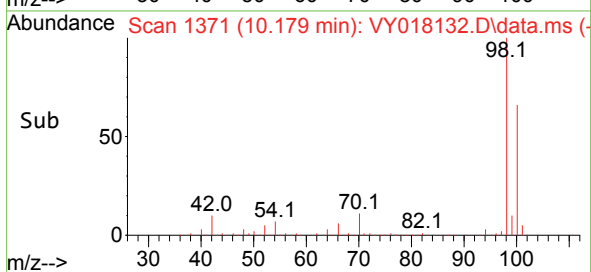
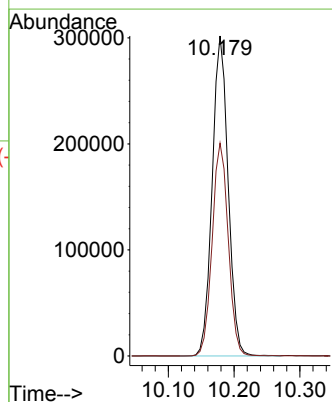
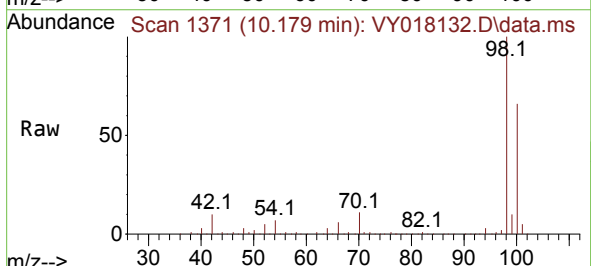
Acq: 03 May 2024 10:28

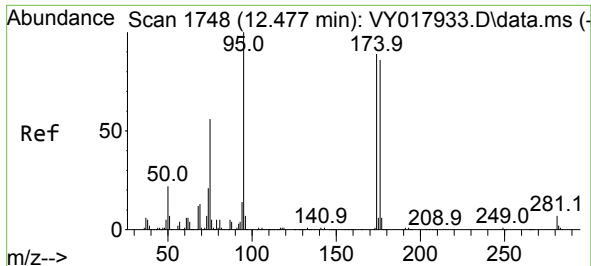
Tgt Ion: 98 Resp: 509490

Ion Ratio Lower Upper

98 100

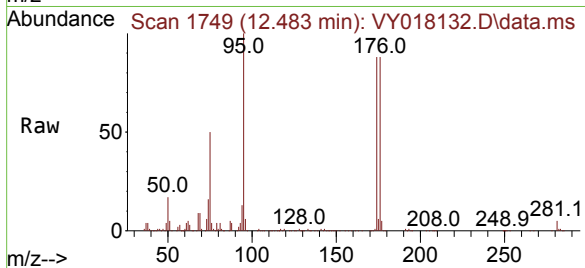
100 66.9 52.0 78.0



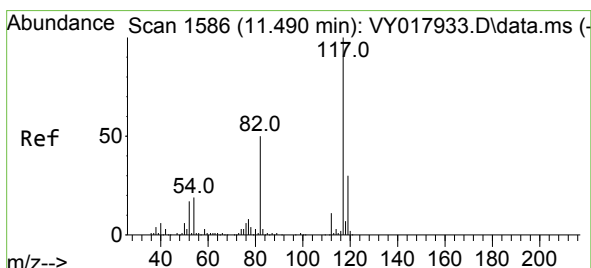
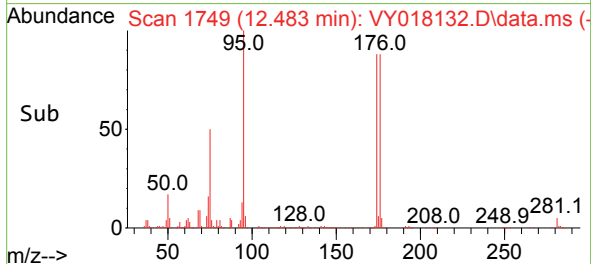
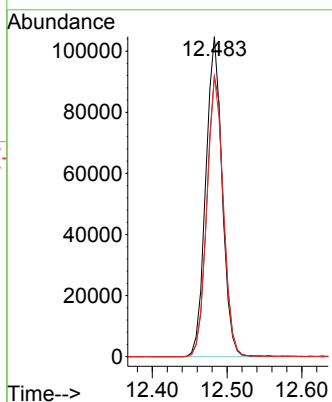


#62
4-Bromofluorobenzene
Concen: 44.459 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

Instrument :
MSVOA_Y
ClientSampleId :

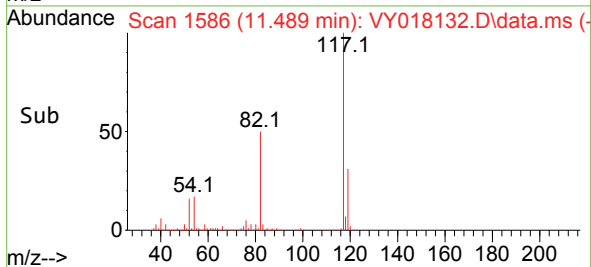
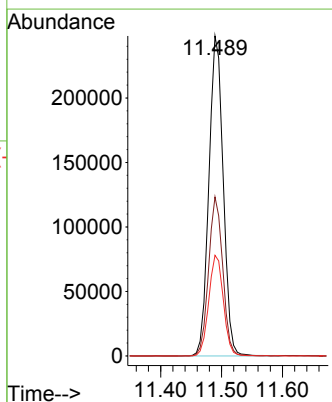
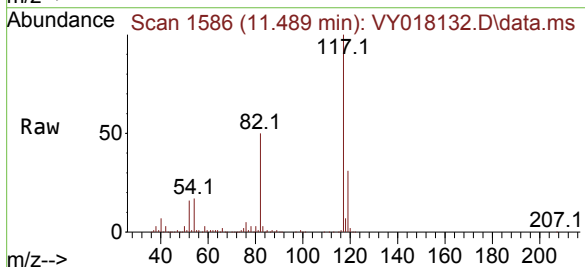


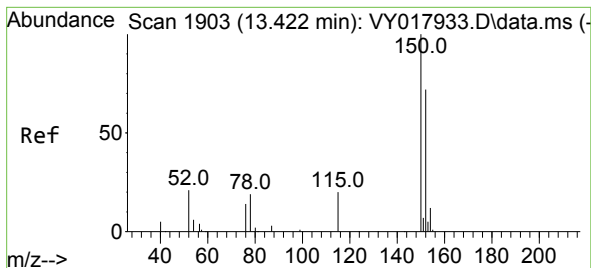
Tgt Ion: 95 Resp: 158460
Ion Ratio Lower Upper
95 100
174 89.2 0.0 175.6
176 88.3 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY018132.D
Acq: 03 May 2024 10:28

Tgt Ion: 117 Resp: 405173
Ion Ratio Lower Upper
117 100
82 49.7 42.4 63.6
119 31.4 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY018132.D

Acq: 03 May 2024 10:28

Instrument :

MSVOA_Y

ClientSampleId :

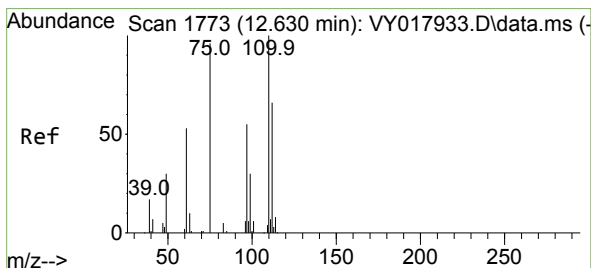
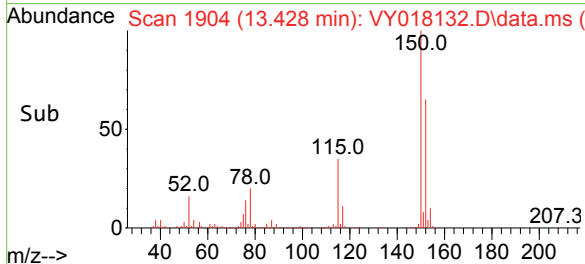
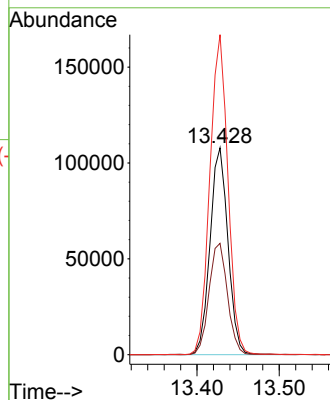
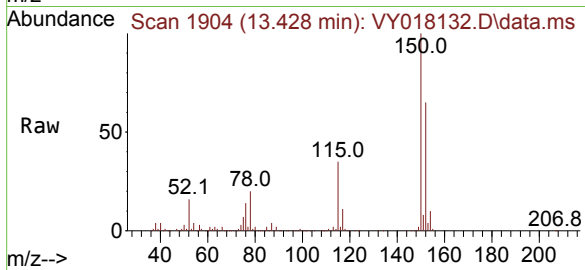
Tgt Ion:152 Resp: 163350

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 155.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 56.849 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY018132.D

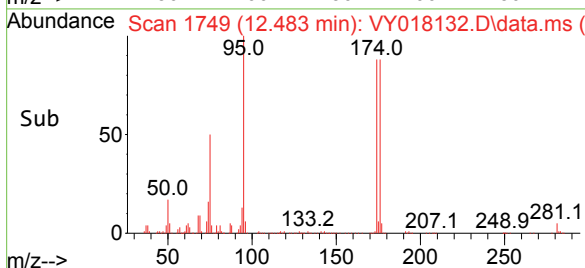
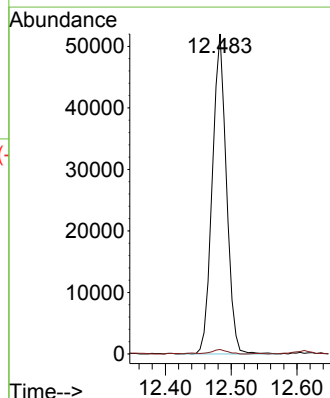
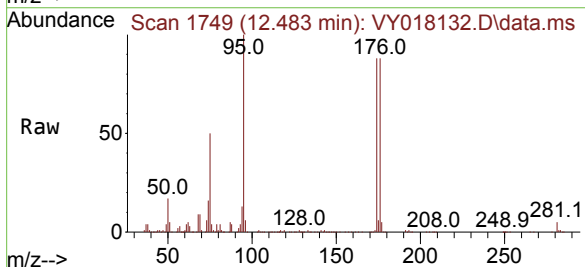
Acq: 03 May 2024 10:28

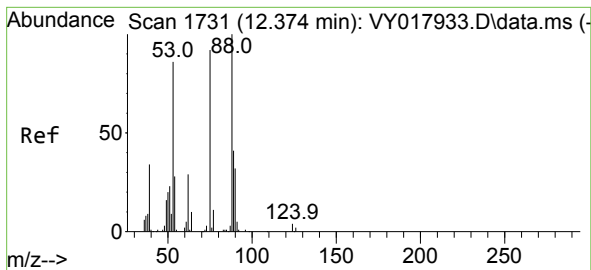
Tgt Ion: 75 Resp: 77936

Ion Ratio Lower Upper

75 100

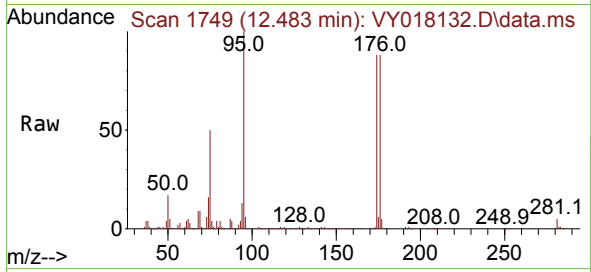
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.567 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018132.D
 Acq: 03 May 2024 10:28

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	77936
Ion	Ratio	Lower	Upper
75	100		
53	0.1	66.8	100.2#
89	0.2	35.8	53.6#

