

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041223\
 Data File : VY013270.D
 Acq On : 12 Apr 2023 16:35
 Operator : KP/MD
 Sample : 02292-01
 Misc : 5.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 IDW-SO-VB3-041123

Quant Time: Apr 13 06:16:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

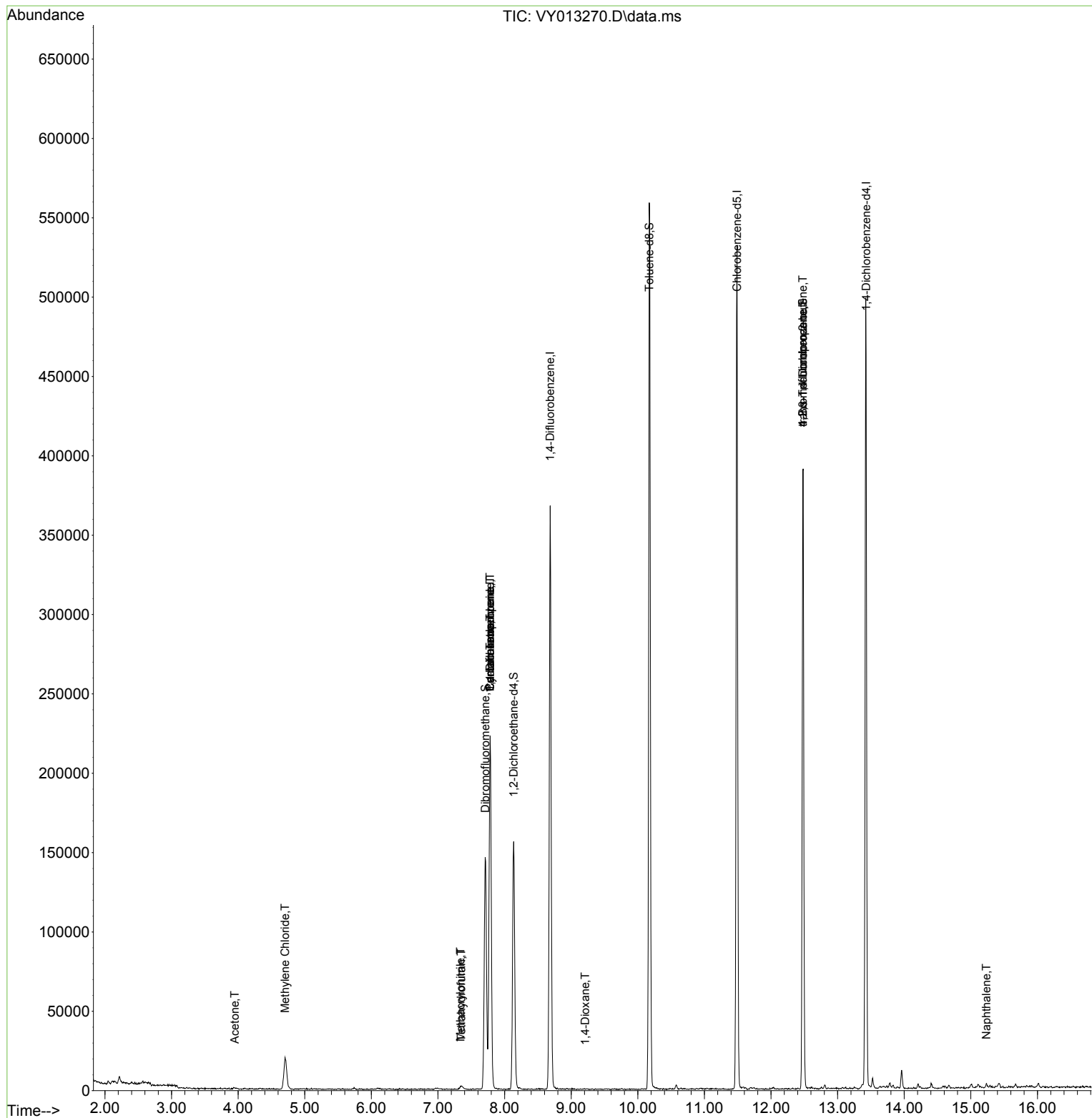
Internal Standards						
1) Pentafluorobenzene	7.783	168	173159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	290336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	271671	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	123826	59.504	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.000%
35) Dibromofluoromethane	7.710	113	102203	54.374	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.740%
50) Toluene-d8	10.173	98	357506	51.100	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.200%
62) 4-Bromofluorobenzene	12.477	95	110142	48.453	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.900%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.979	59	493	Below Cal	#	74
16) Acetone	3.948	43	934	1.305	ug/l #	52
20) Methylene Chloride	4.704	84	13815	3.321	ug/l	93
29) Tetrahydrofuran	7.350	42	1995	3.585	ug/l #	85
31) Cyclohexane	7.783	56	3992	1.269	ug/l #	8
36) 1,1-Dichloropropene	7.783	75	13532	4.752	ug/l #	50
38) Carbon Tetrachloride	7.783	117	16855	5.353	ug/l #	16
41) Methacrylonitrile	7.338	41	1518	1.594	ug/l #	100
49) 1,4-Dioxane	9.210	88	27	1.548	ug/l #	23
76) 1,2,3-Trichloropropane	12.477	75	61842	40.661	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61842	84.391	ug/l #	13
95) Naphthalene	15.233	128	1777	3.515	ug/l #	93

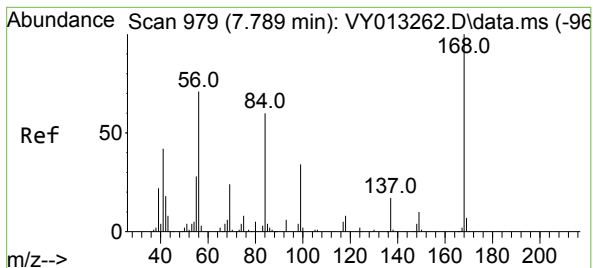
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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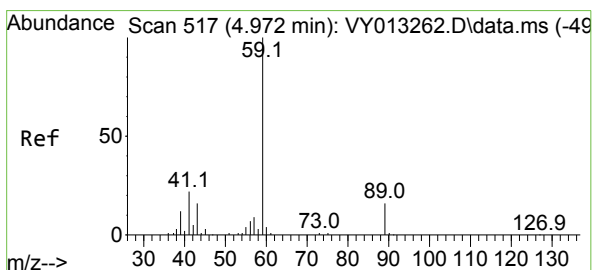
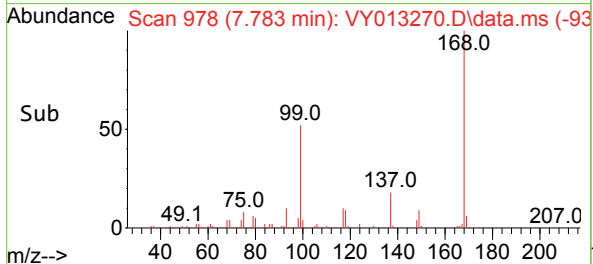
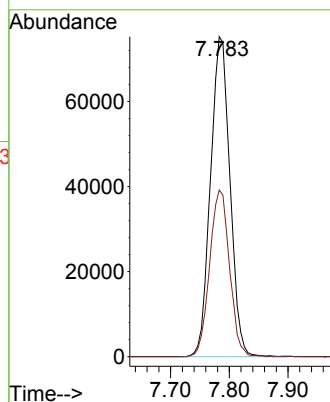
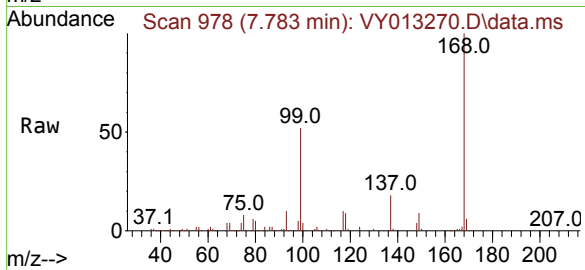




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

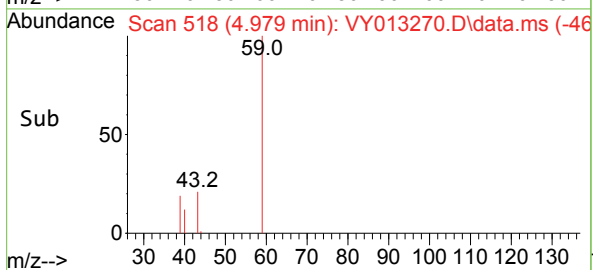
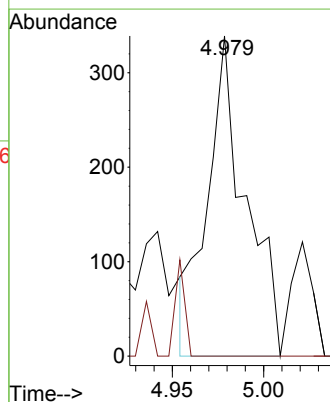
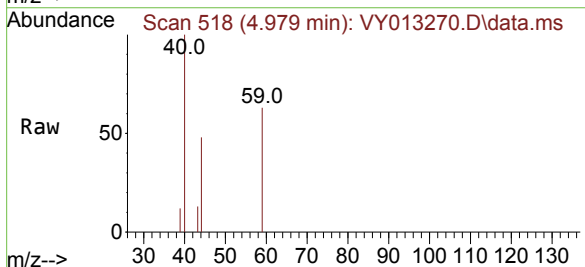
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB3-041123

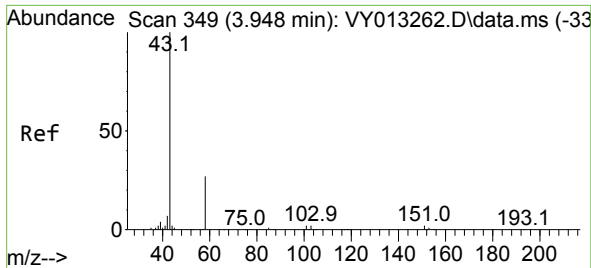
Tgt Ion:168 Resp: 173159
Ion Ratio Lower Upper
168 100
99 52.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.007 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.305 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.000 min

Lab File: VY013270.D

Acq: 12 Apr 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

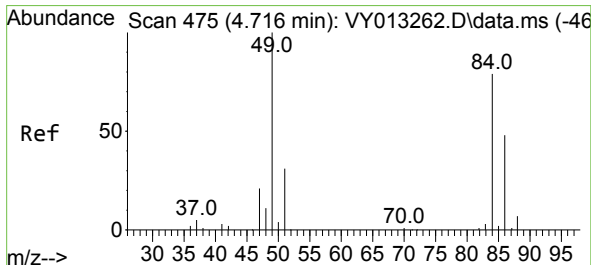
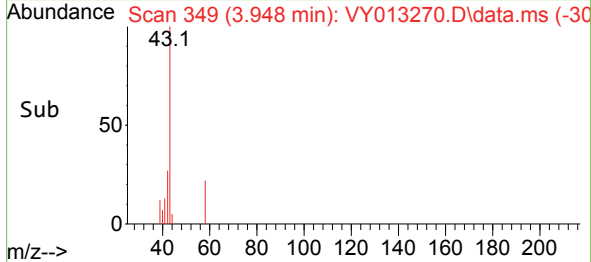
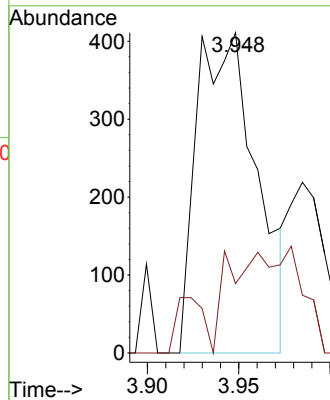
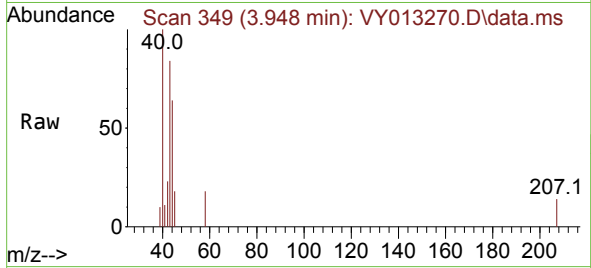
IDW-SO-VB3-041123

Tgt Ion: 43 Resp: 934

Ion Ratio Lower Upper

43 100

58 4.4 24.2 36.2#



#20

Methylene Chloride

Concen: 3.321 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY013270.D

Acq: 12 Apr 2023 16:35

Tgt Ion: 84 Resp: 13815

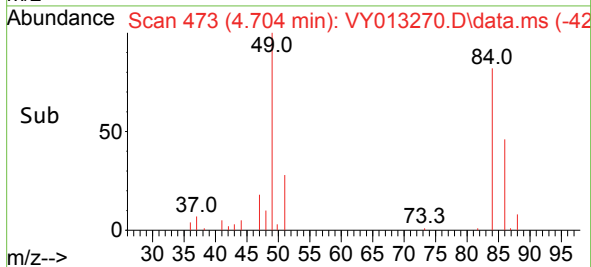
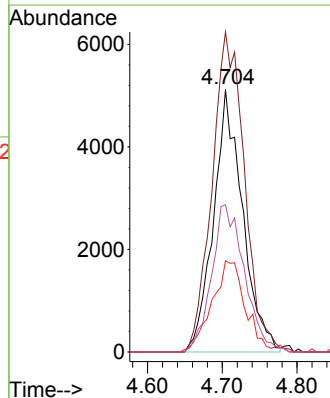
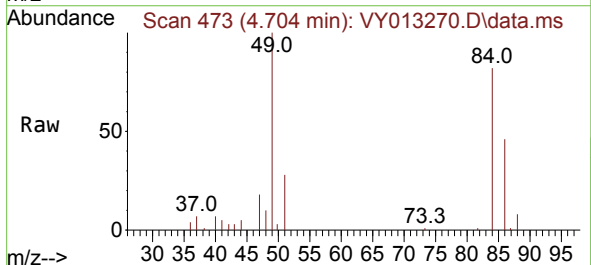
Ion Ratio Lower Upper

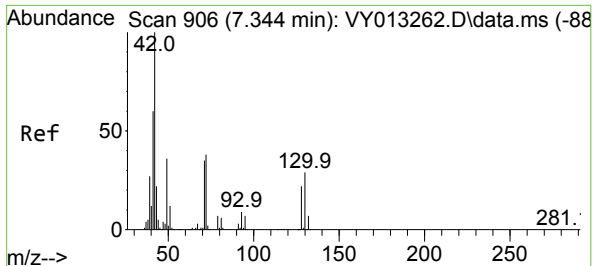
84 100

49 121.9 102.6 154.0

51 34.7 31.9 47.9

86 56.1 51.0 76.6





#29

Tetrahydrofuran

Concen: 3.585 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY013270.D

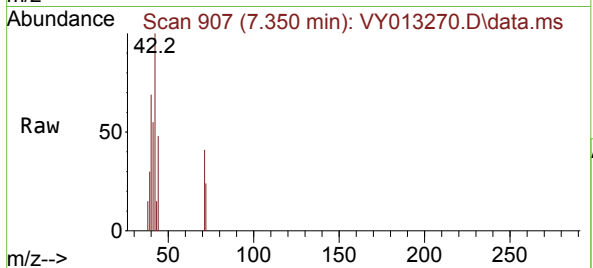
Acq: 12 Apr 2023 16:35

Instrument :

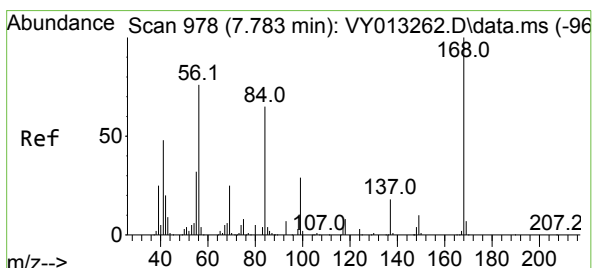
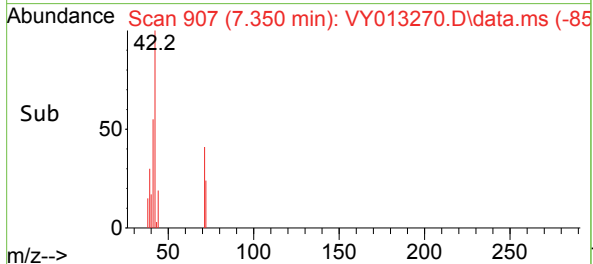
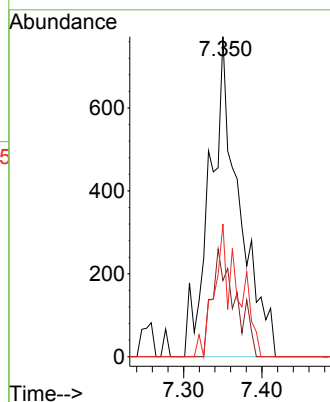
MSVOA_Y

ClientSampleId :

IDW-SO-VB3-041123



Tgt Ion:	42	Resp:	1995
Ion	Ratio	Lower	Upper
42	100		
72	26.8	32.3	48.5#
71	33.5	30.3	45.5



#31

Cyclohexane

Concen: 1.269 ug/l

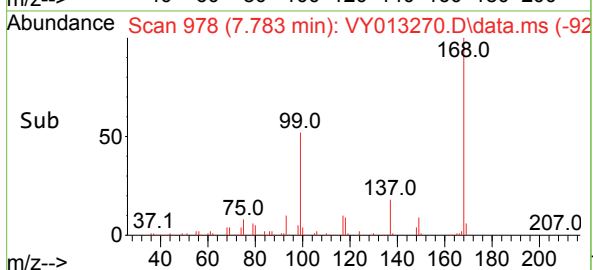
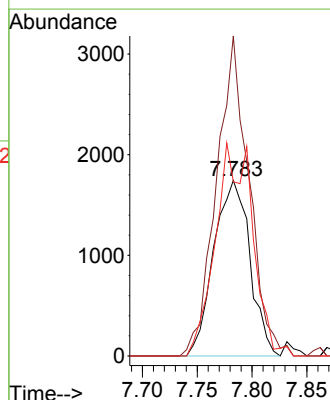
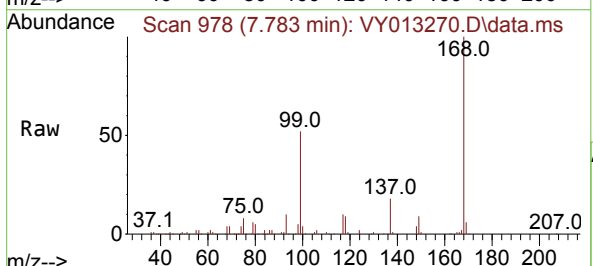
RT: 7.783 min Scan# 978

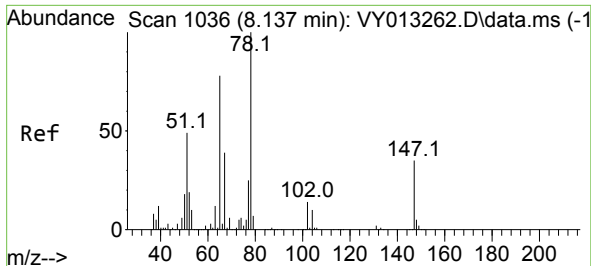
Delta R.T. -0.000 min

Lab File: VY013270.D

Acq: 12 Apr 2023 16:35

Tgt Ion:	56	Resp:	3992
Ion	Ratio	Lower	Upper
56	100		
69	182.3	25.7	38.5#
84	99.3	64.3	96.5#

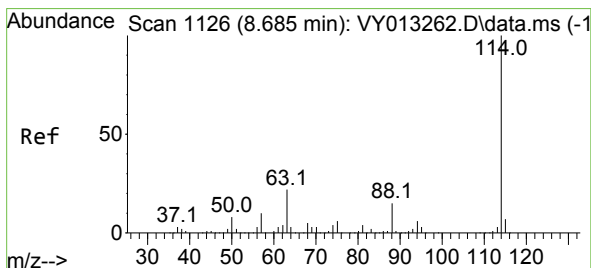
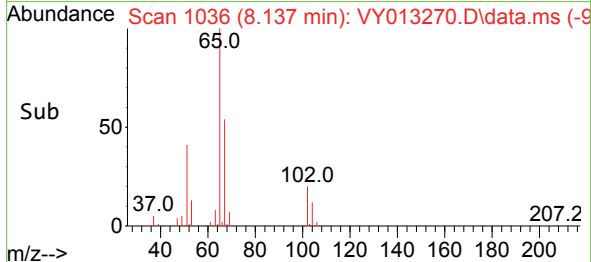
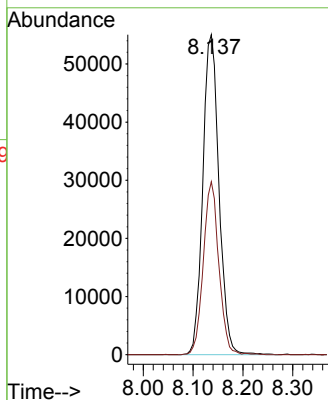
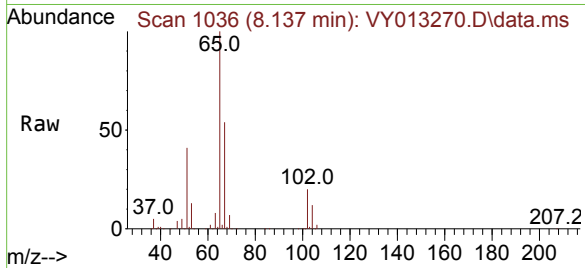




#33
 1,2-Dichloroethane-d4
 Concen: 59.504 ug/l
 RT: 8.137 min Scan# 1036
 Delta R.T. -0.000 min
 Lab File: VY013270.D
 Acq: 12 Apr 2023 16:35

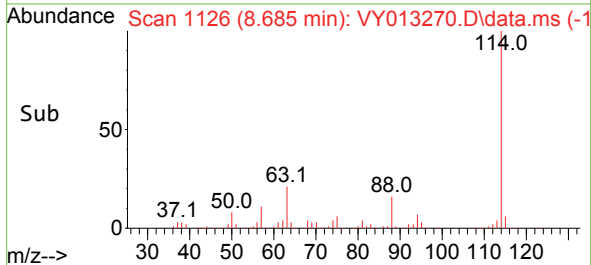
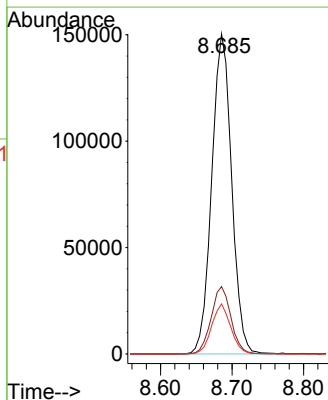
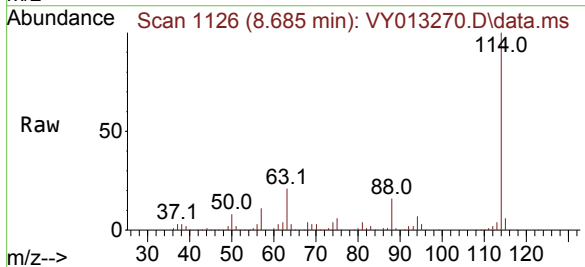
Instrument :
 MSVOA_Y
 ClientSampleId :
 IDW-SO-VB3-041123

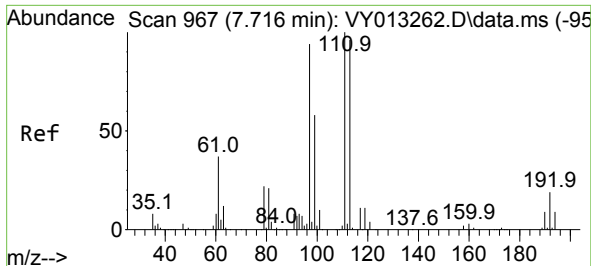
Tgt Ion: 65 Resp: 123826
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VY013270.D
 Acq: 12 Apr 2023 16:35

Tgt Ion: 114 Resp: 290336
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 37.4
 88 15.6 0.0 28.6

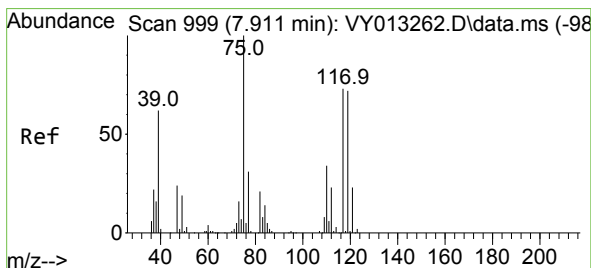
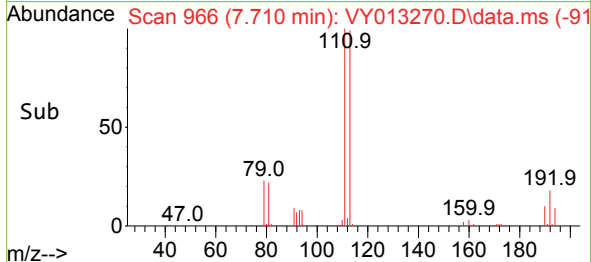
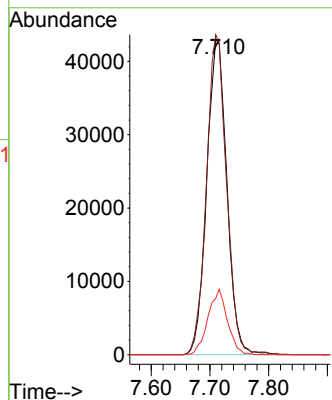
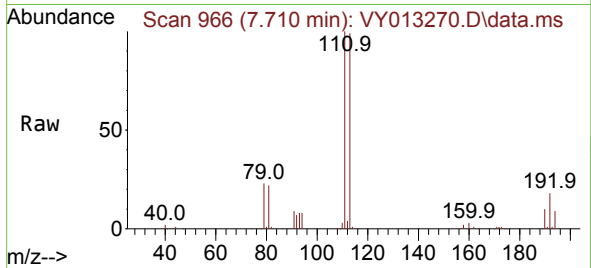




#35
Dibromofluoromethane
Concen: 54.374 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

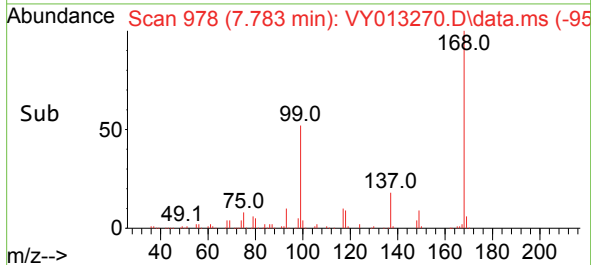
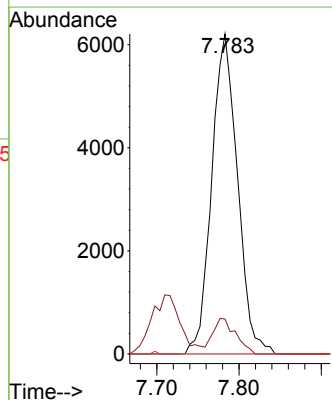
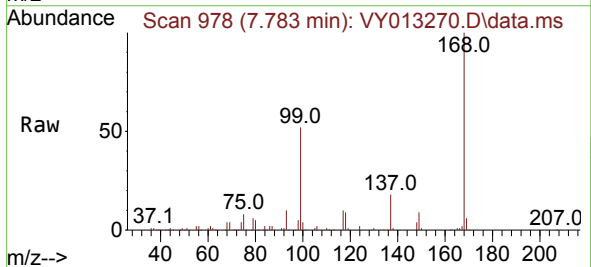
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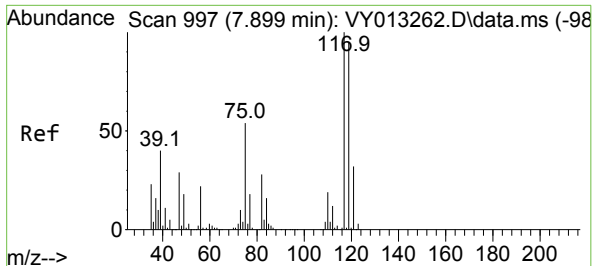
Tgt Ion:113 Resp: 102203
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 75 Resp: 13532
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.3#
77 0.0 25.0 37.4#

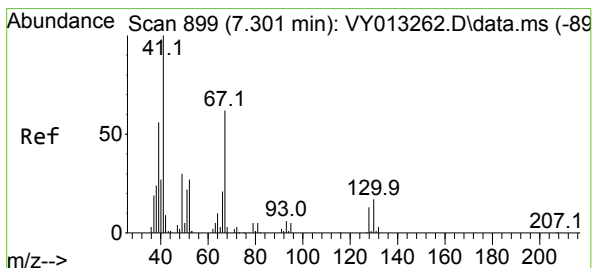
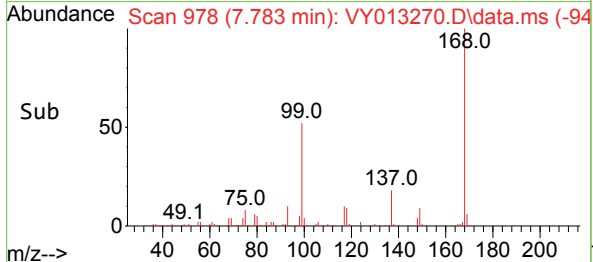
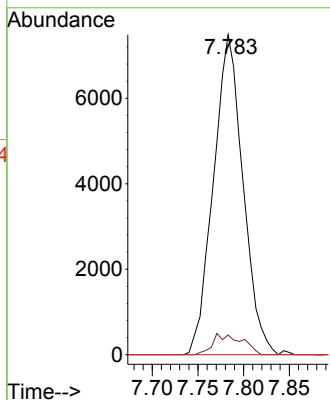
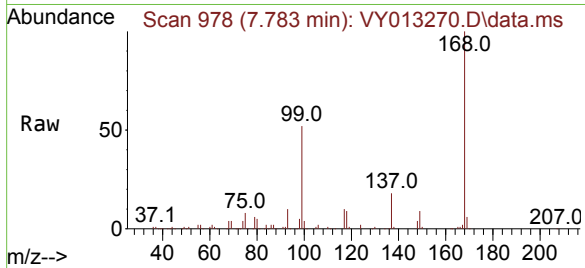




#38
Carbon Tetrachloride
Concen: 5.353 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

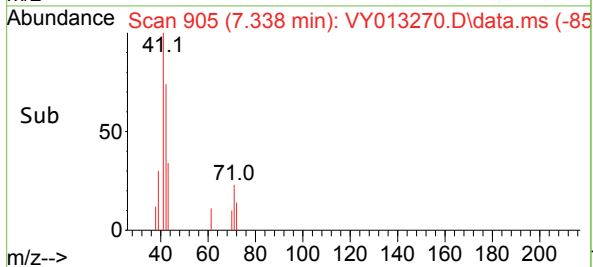
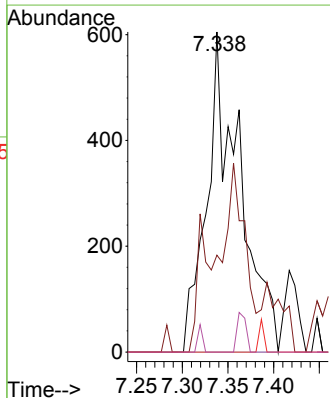
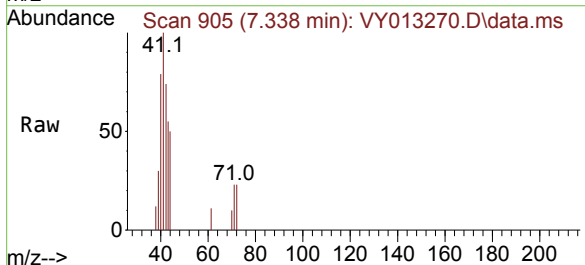
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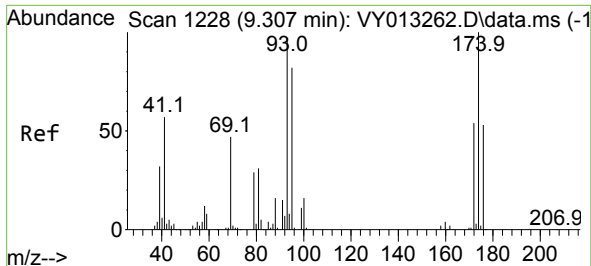
Tgt Ion: 117 Resp: 16855
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 24.7 37.1#



#41
Methacrylonitrile
Concen: 1.594 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.037 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 41 Resp: 1518
Ion Ratio Lower Upper
41 100
39 15.5 0.0 0.0#
67 0.0 0.0 0.0
52 1.3 0.0 0.0#





#49

1,4-Dioxane

Concen: 1.548 ug/l

RT: 9.210 min Scan# 11

Delta R.T. -0.098 min

Lab File: VY013270.D

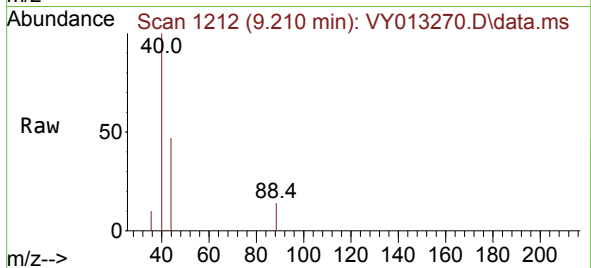
Acq: 12 Apr 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

IDW-SO-VB3-041123



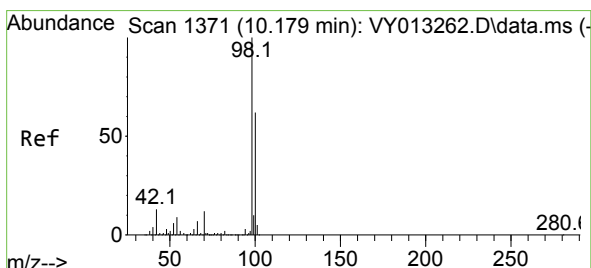
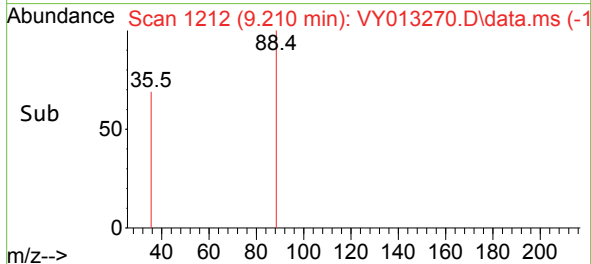
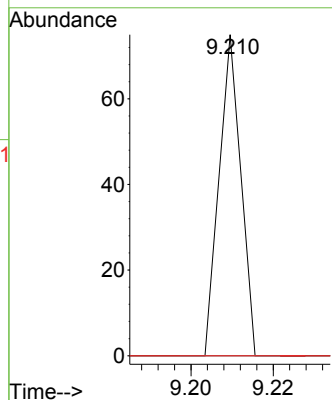
Tgt Ion: 88 Resp: 27

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 51.100 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013270.D

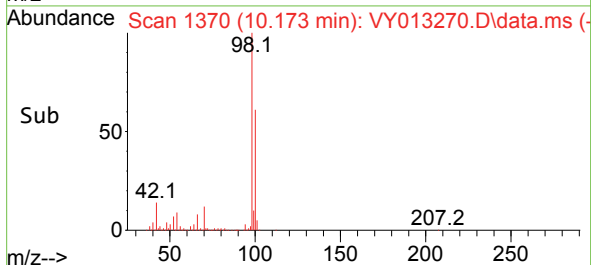
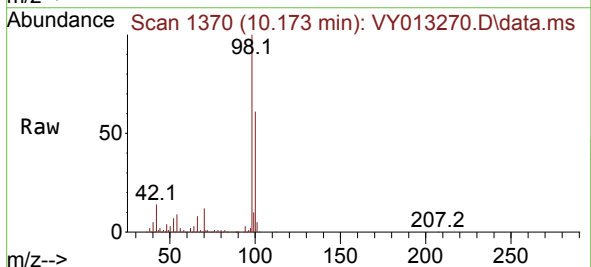
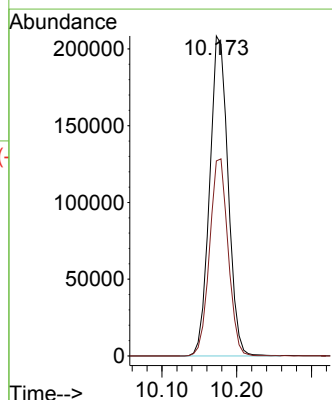
Acq: 12 Apr 2023 16:35

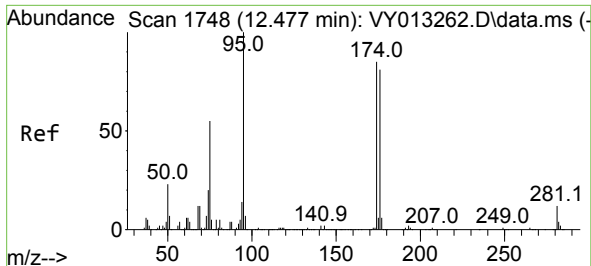
Tgt Ion: 98 Resp: 357506

Ion Ratio Lower Upper

98 100

100 62.0 50.9 76.3

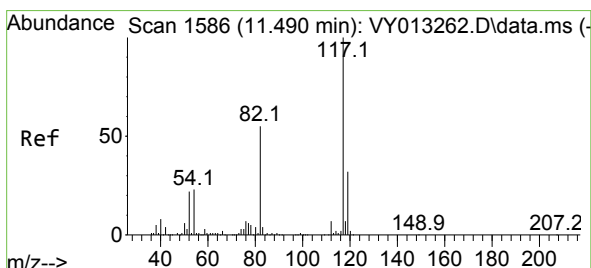
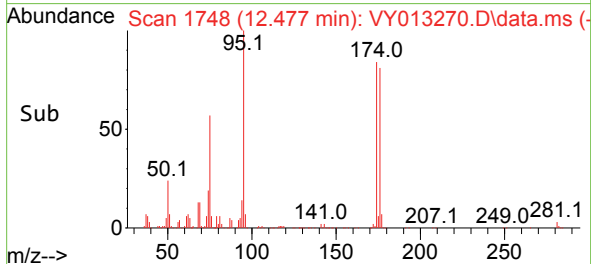
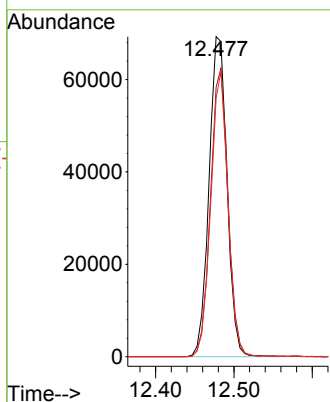
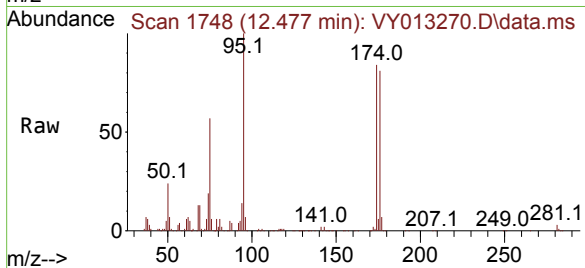




#62
4-Bromofluorobenzene
Concen: 48.453 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

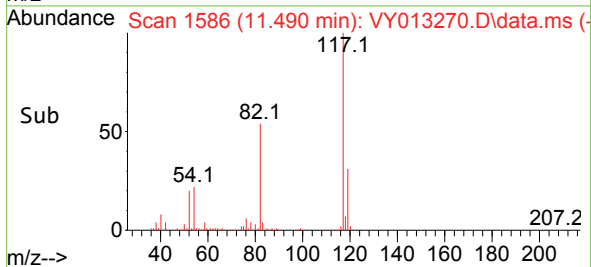
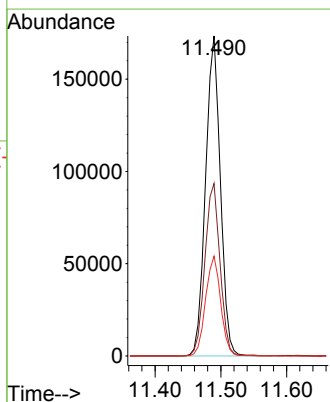
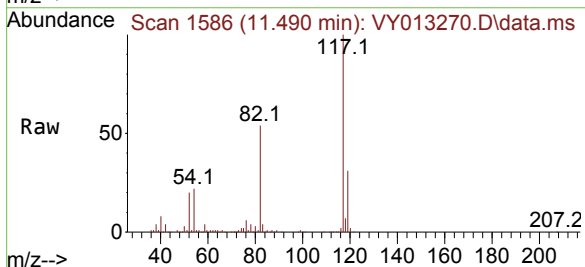
Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB3-041123

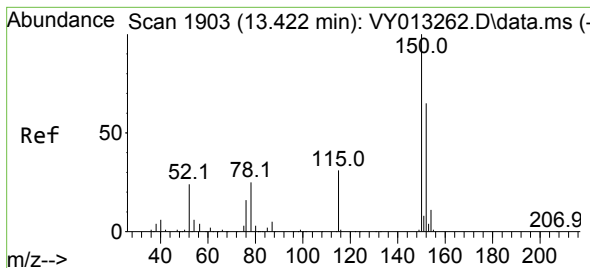
Tgt Ion: 95 Resp: 110142
Ion Ratio Lower Upper
95 100
174 88.8 0.0 176.6
176 85.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Tgt Ion: 117 Resp: 271671
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 31.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY013270.D

Acq: 12 Apr 2023 16:35

Instrument :

MSVOA_Y

ClientSampleId :

IDW-SO-VB3-041123

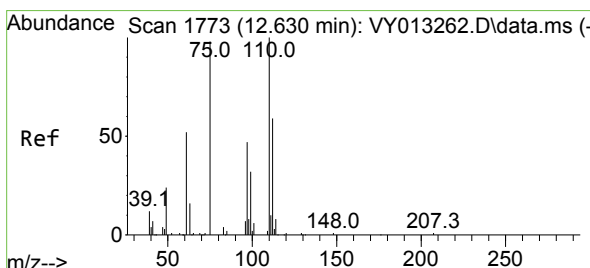
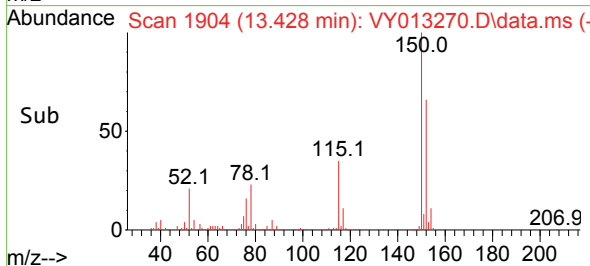
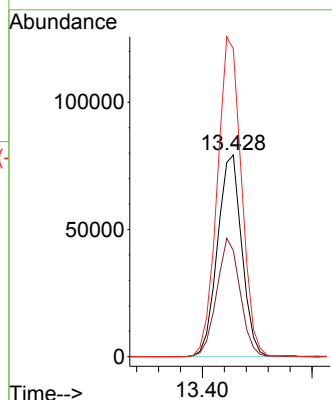
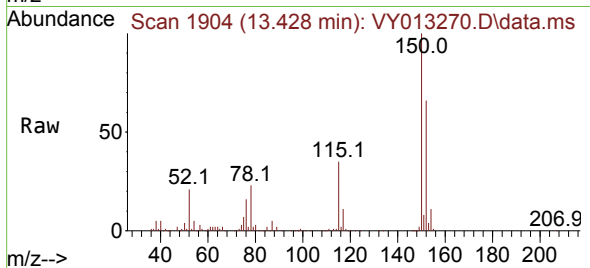
Tgt Ion:152 Resp: 122057

Ion Ratio Lower Upper

152 100

115 56.8 27.1 81.3

150 158.0 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 40.661 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013270.D

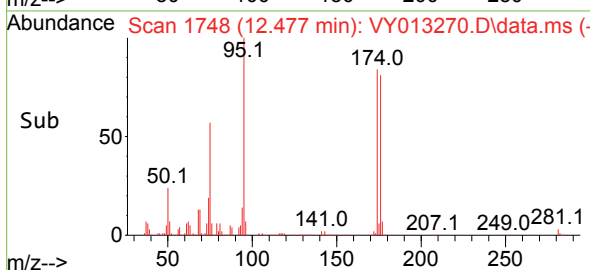
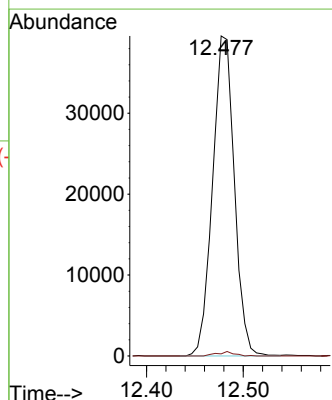
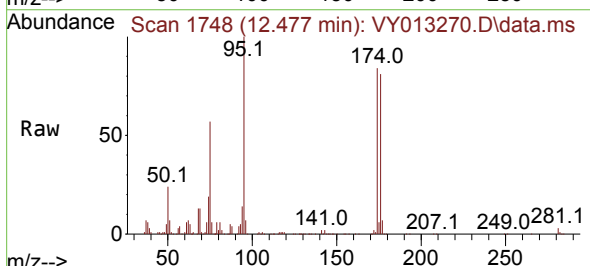
Acq: 12 Apr 2023 16:35

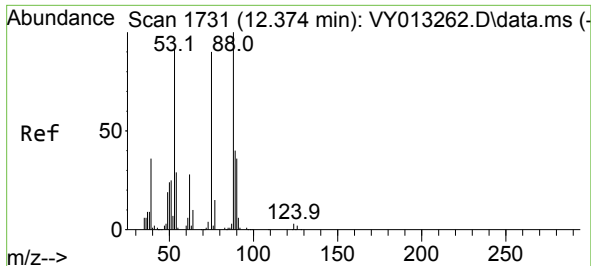
Tgt Ion: 75 Resp: 61842

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

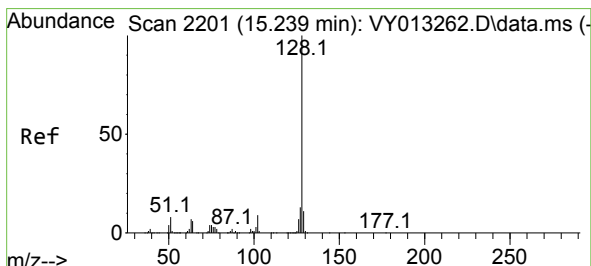
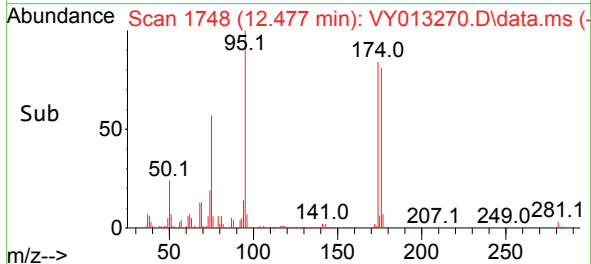
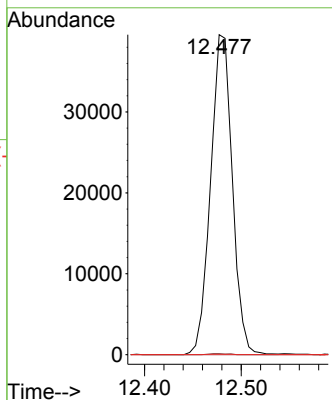
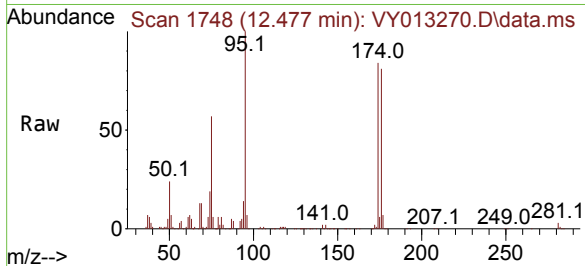




#81
trans-1,4-Dichloro-2-butene
Concen: 84.391 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Instrument :
MSVOA_Y
ClientSampleId :
IDW-SO-VB3-041123

Tgt Ion: 75 Resp: 61842
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.515 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013270.D
Acq: 12 Apr 2023 16:35

Tgt Ion:128 Resp: 1777
Ion Ratio Lower Upper
128 100
127 16.4 10.3 15.5#
129 12.8 8.6 13.0

