

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015086.D
 Acq On : 14 Aug 2023 17:58
 Operator : SY/MD
 Sample : 03954-07
 Misc : 4.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17

Quant Time: Aug 15 02:23:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

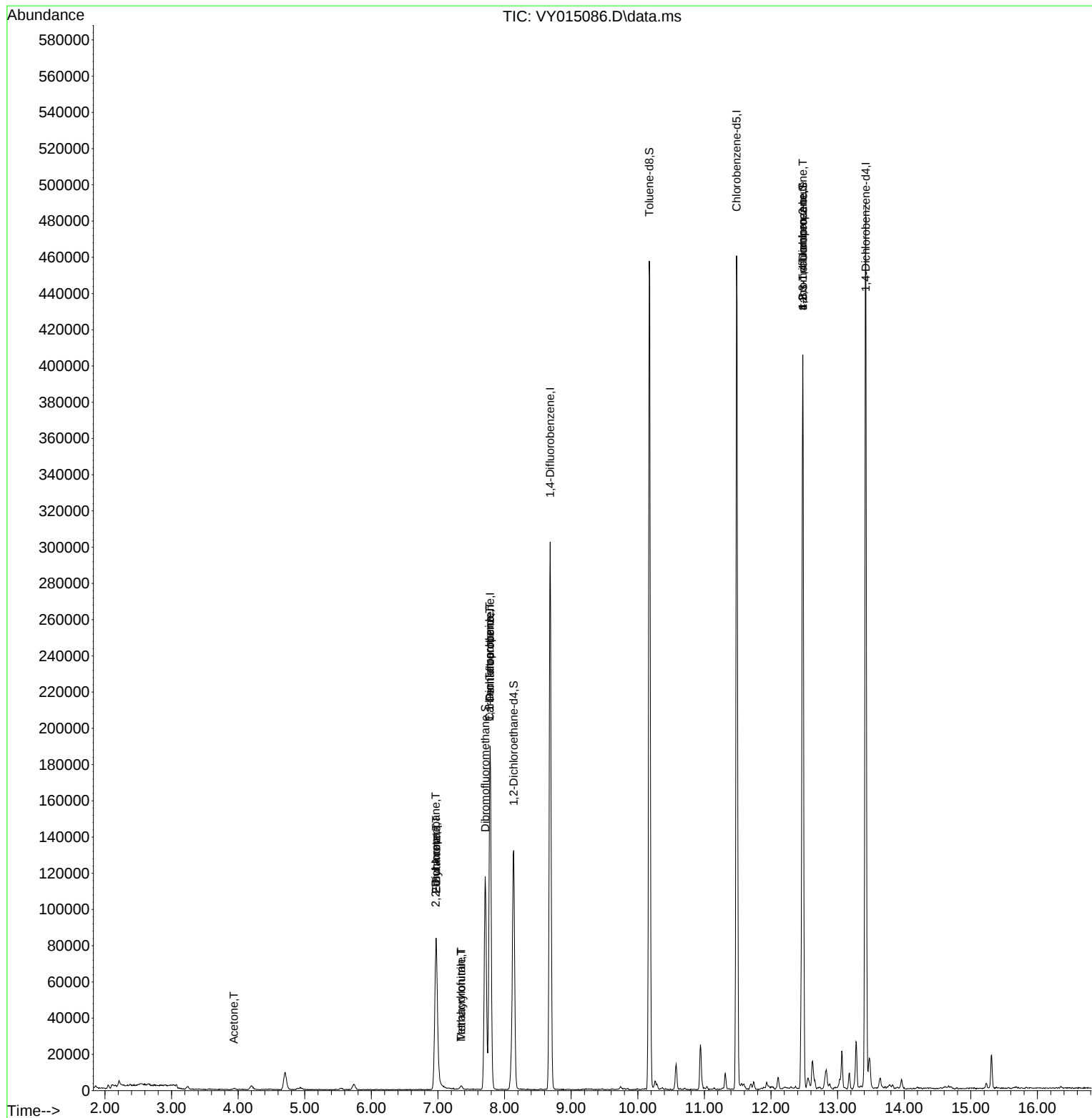
Internal Standards						
1) Pentafluorobenzene	7.783	168	148809	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	251411	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	125761	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	98947	55.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.780%	
35) Dibromofluoromethane	7.710	113	81794	49.416	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.840%	
50) Toluene-d8	10.173	98	303862	49.315	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.620%	
62) 4-Bromofluorobenzene	12.477	95	115935	51.514	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	82	Below Cal	#	43
3) Chloromethane	2.107	50	579	Below Cal		92
5) Bromomethane	2.650	94	377	Below Cal	#	66
11) Tert butyl alcohol	4.942	59	2232	Below Cal	#	89
16) Acetone	3.936	43	986	1.690	ug/l #	81
25) 2-Butanone	6.972	43	4344	5.257	ug/l #	77
26) 2,2-Dichloropropane	6.966	77	6416	2.684	ug/l #	54
29) Tetrahydrofuran	7.344	42	1412	2.858	ug/l	97
31) Cyclohexane	7.777	56	3120	Below Cal	#	1
36) 1,1-Dichloropropene	7.777	75	11209	6.121	ug/l #	51
37) Ethyl Acetate	6.972	43	4344	2.545	ug/l #	1
38) Carbon Tetrachloride	7.777	117	14664	6.766	ug/l #	16
41) Methacrylonitrile	7.350	41	959	1.090	ug/l #	38
76) 1,2,3-Trichloropropane	12.477	75	62745	41.066	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62745	90.201	ug/l #	11

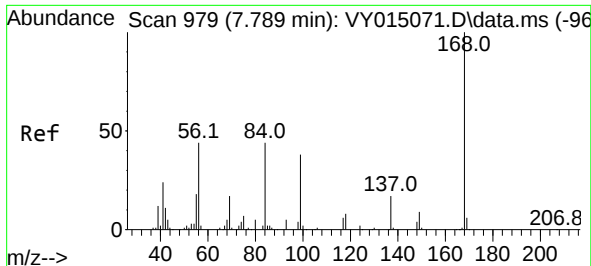
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration

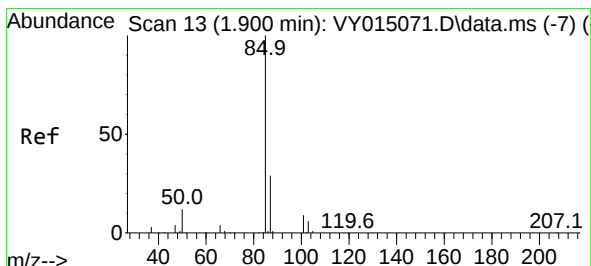
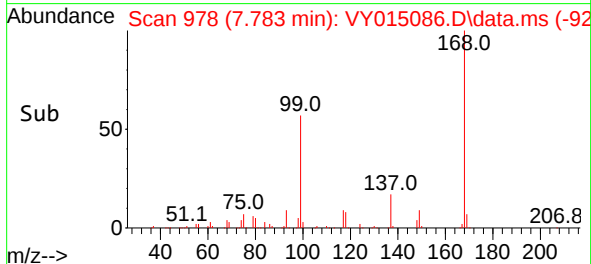
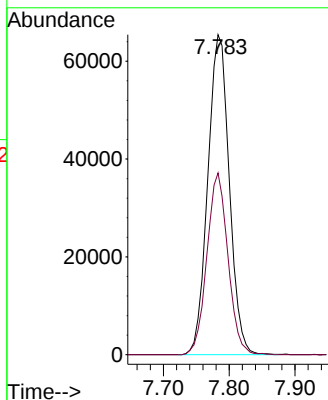
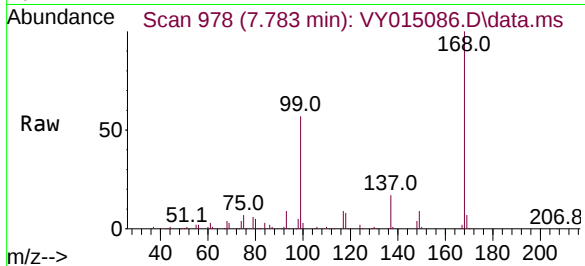




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

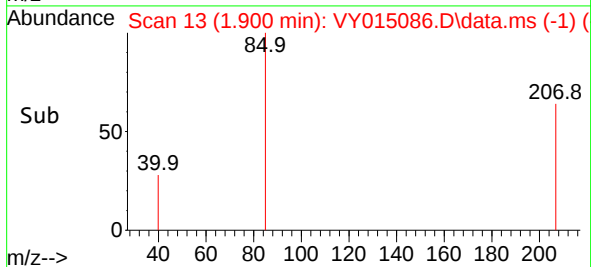
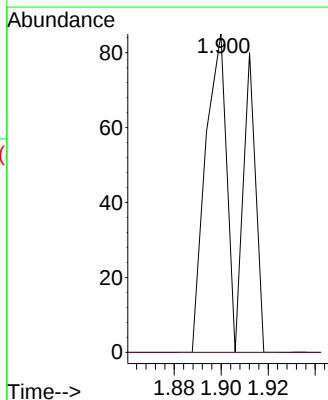
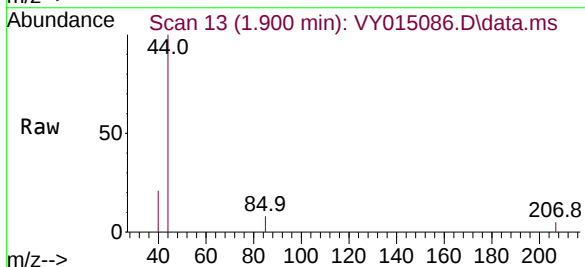
Instrument :
MSVOA_Y
ClientSampleId :
WC-17

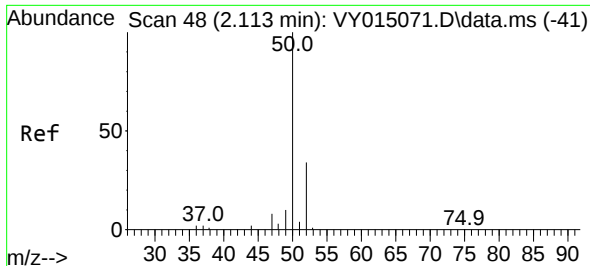
Tgt Ion:168 Resp: 148809
Ion Ratio Lower Upper
168 100
99 56.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion: 85 Resp: 82
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

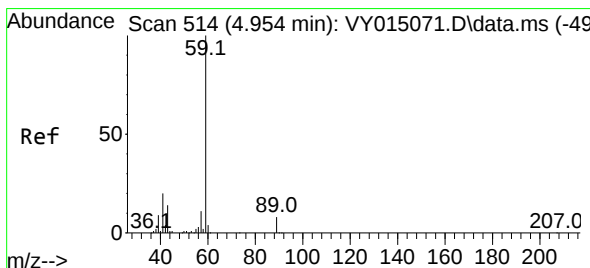
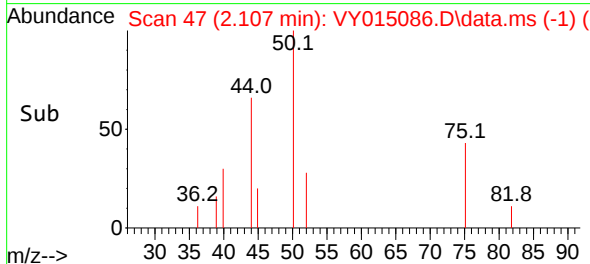
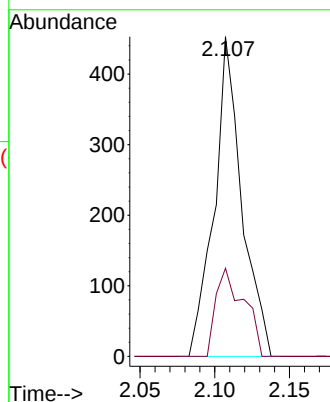
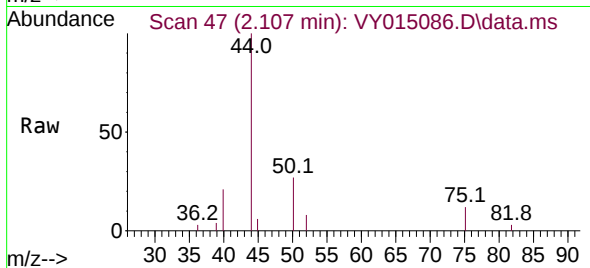




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

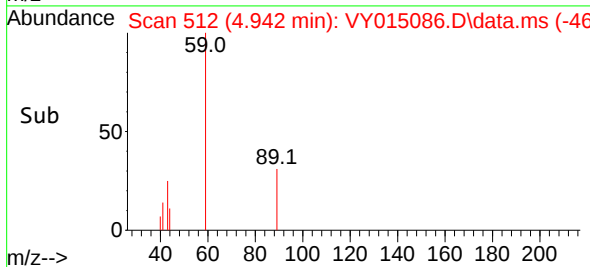
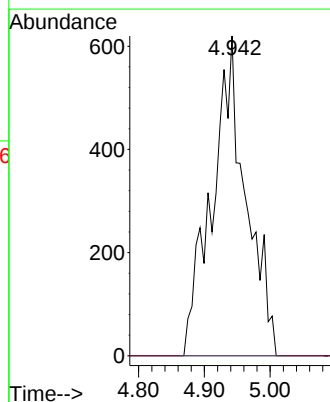
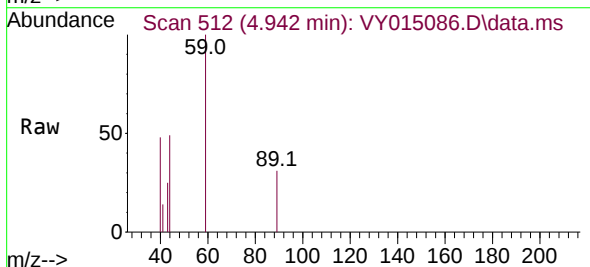
Instrument :
MSVOA_Y
ClientSampleId :
WC-17

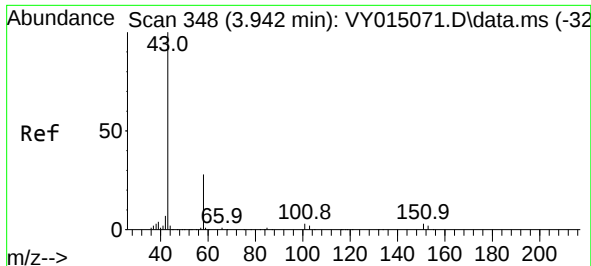
Tgt Ion: 50 Resp: 579
Ion Ratio Lower Upper
50 100
52 27.6 25.4 38.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion: 59 Resp: 2232
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 1.690 ug/l

RT: 3.936 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY015086.D

Acq: 14 Aug 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

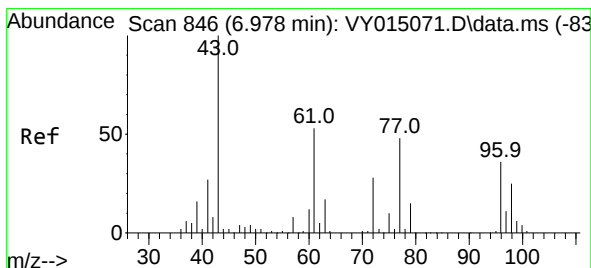
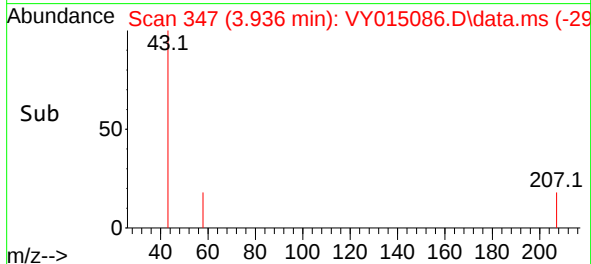
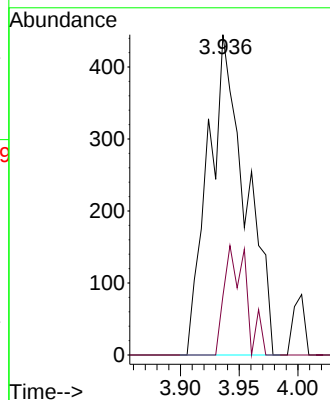
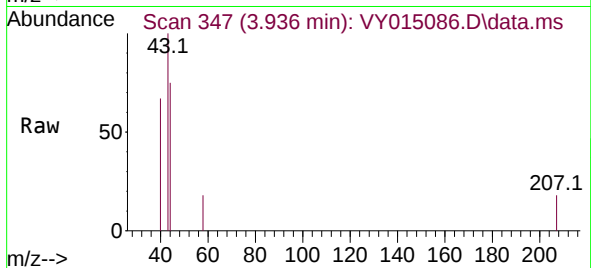
WC-17

Tgt Ion: 43 Resp: 986

Ion Ratio Lower Upper

43 100

58 18.4 22.7 34.1#



#25

2-Butanone

Concen: 5.257 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015086.D

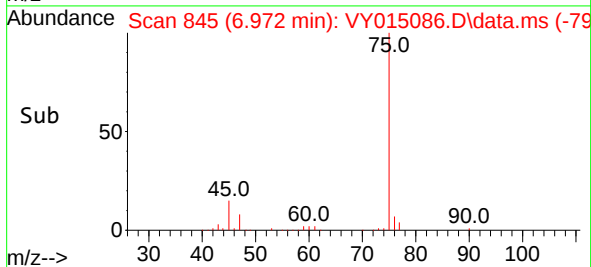
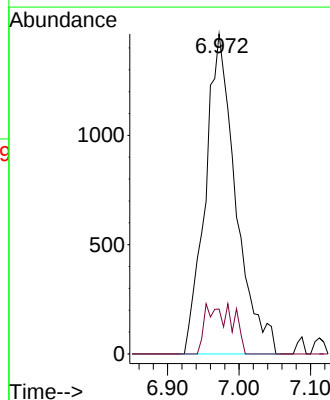
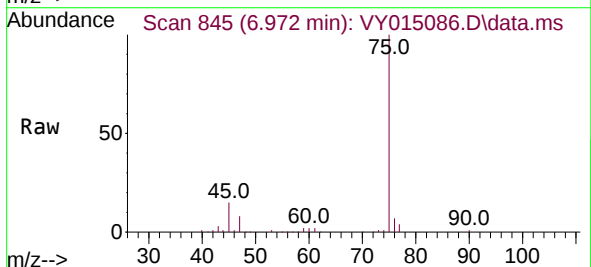
Acq: 14 Aug 2023 17:58

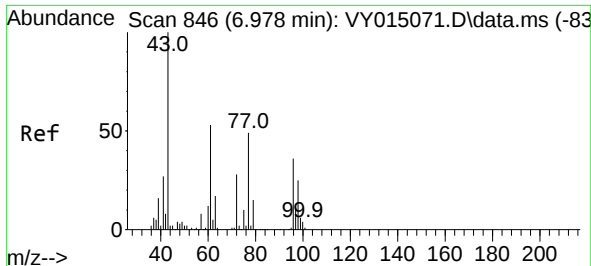
Tgt Ion: 43 Resp: 4344

Ion Ratio Lower Upper

43 100

72 14.1 20.5 30.7#

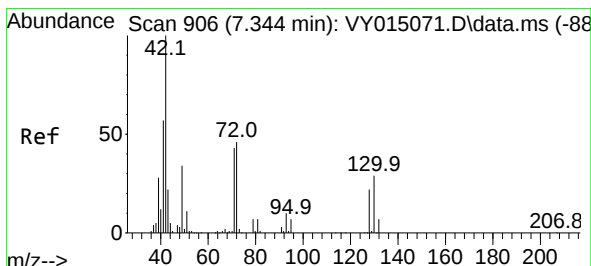
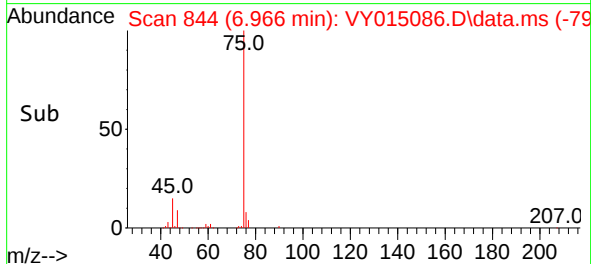
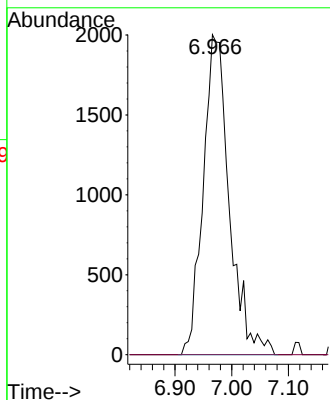
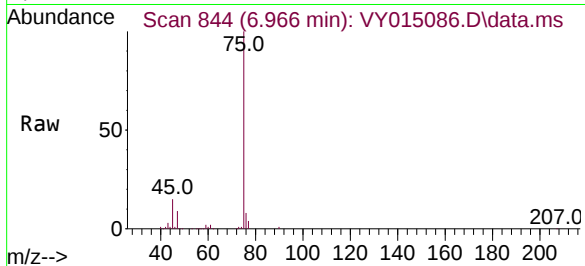




#26
2,2-Dichloropropane
Concen: 2.684 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

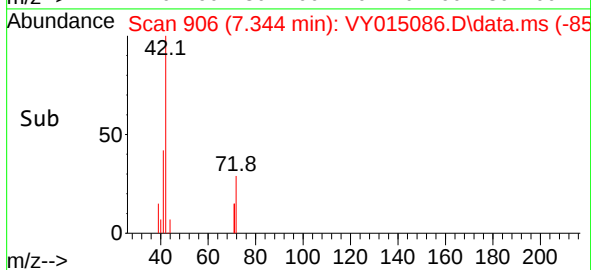
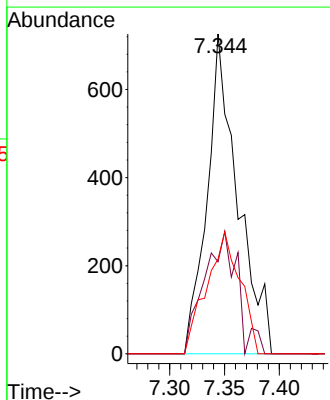
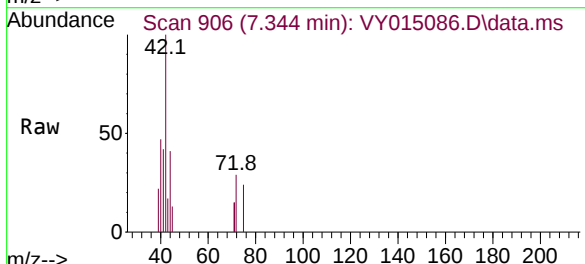
Instrument :
MSVOA_Y
ClientSampleId :
WC-17

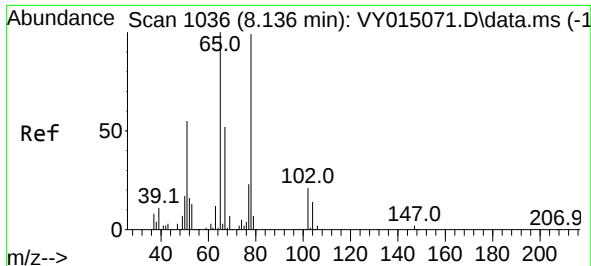
Tgt Ion: 77 Resp: 6416
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 2.858 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion: 42 Resp: 1412
Ion Ratio Lower Upper
42 100
72 41.8 32.8 49.2
71 41.6 31.0 46.4





#33

1,2-Dichloroethane-d4

Concen: 55.392 ug/l

RT: 8.137 min Scan# 11036

Delta R.T. 0.000 min

Lab File: VY015086.D

Acq: 14 Aug 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

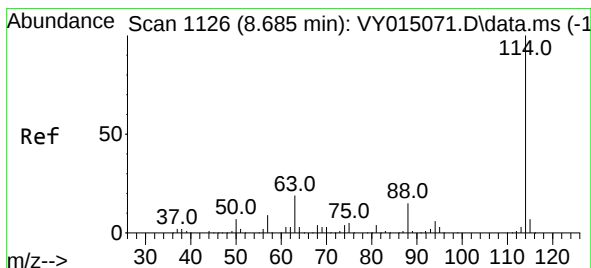
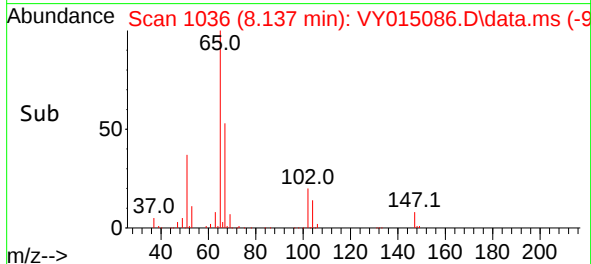
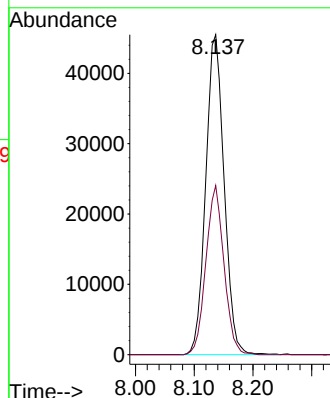
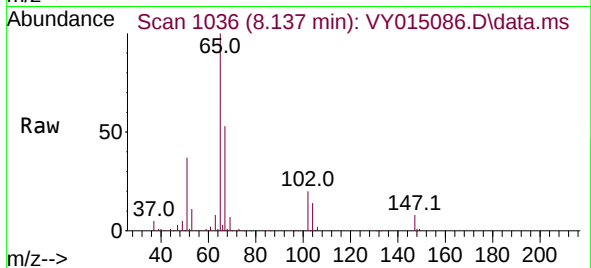
WC-17

Tgt Ion: 65 Resp: 98947

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015086.D

Acq: 14 Aug 2023 17:58

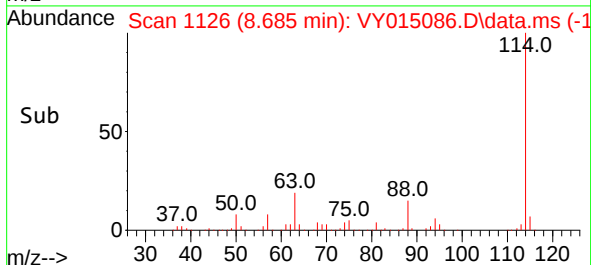
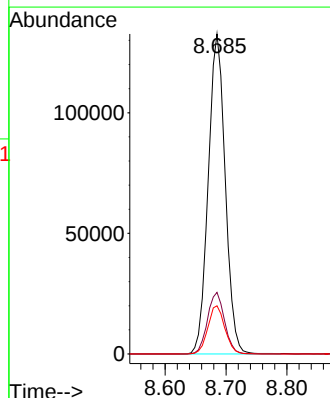
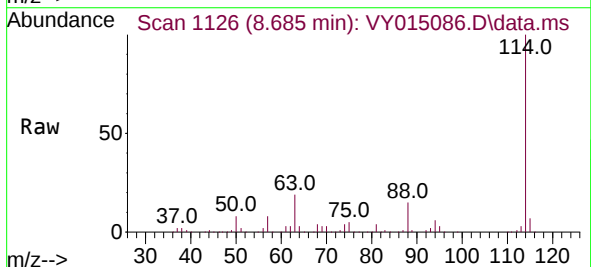
Tgt Ion: 114 Resp: 257288

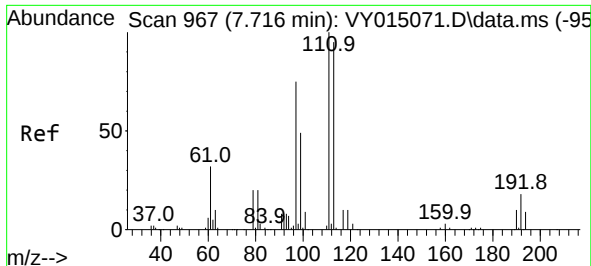
Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.4

88 15.1 0.0 30.6

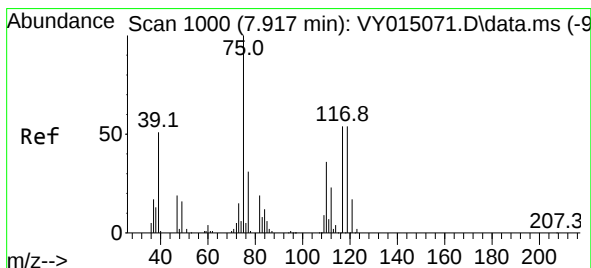
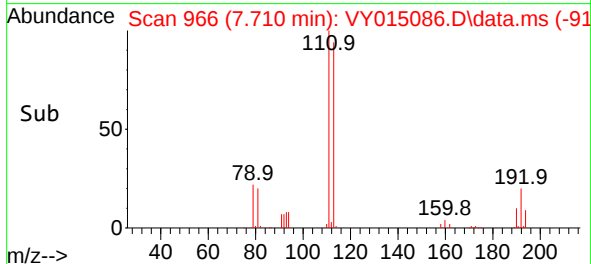
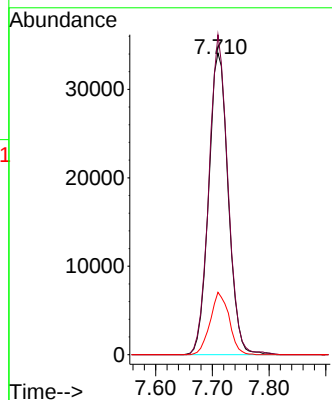
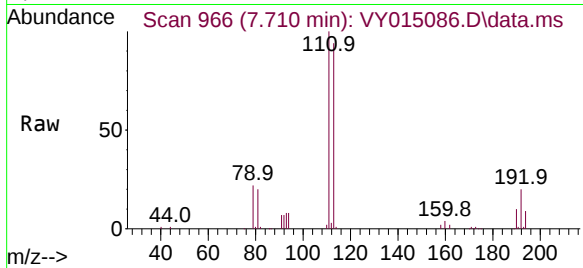




#35
Dibromofluoromethane
Concen: 49.416 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

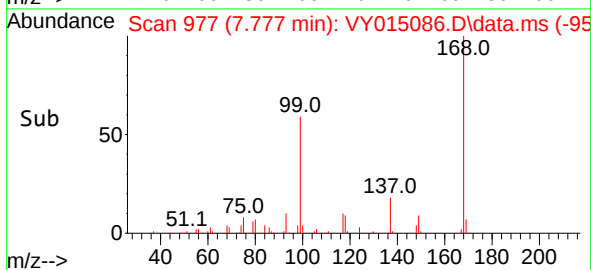
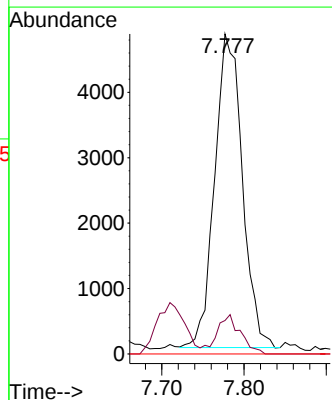
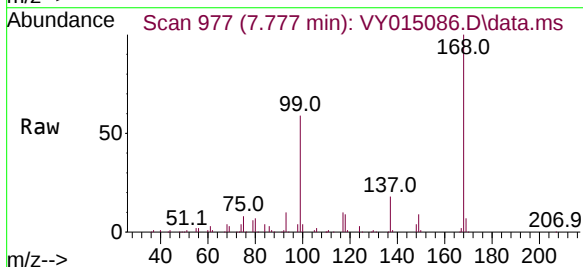
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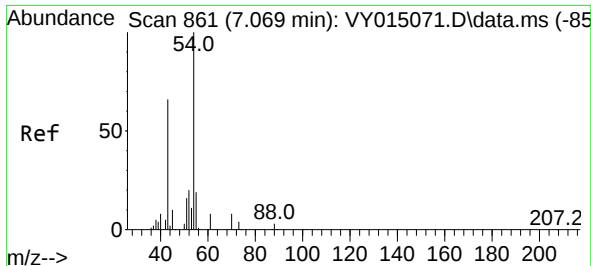
Tgt Ion:113 Resp: 81794
Ion Ratio Lower Upper
113 100
111 103.0 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.121 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion: 75 Resp: 11209
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#

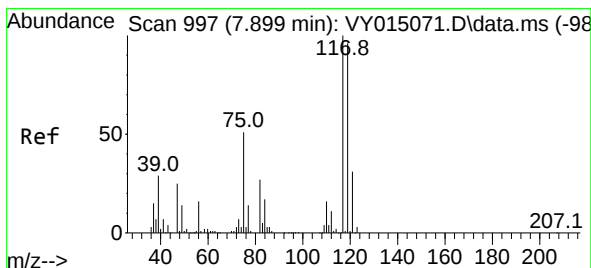
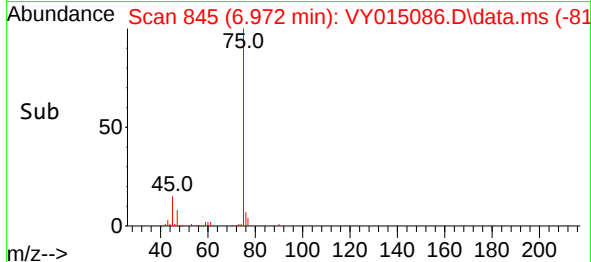
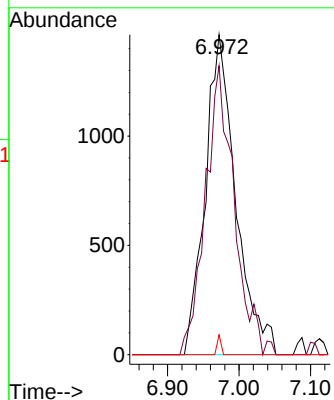
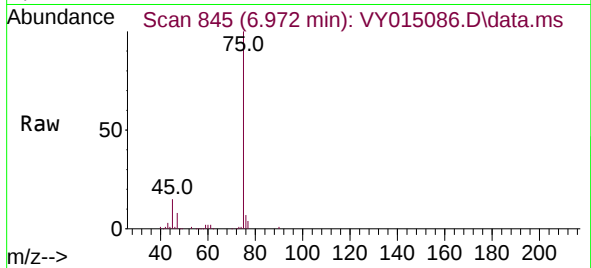




#37
Ethyl Acetate
Concen: 2.545 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.097 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

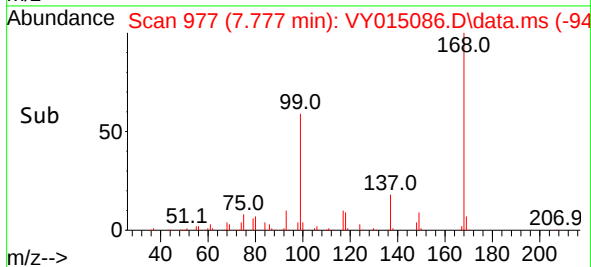
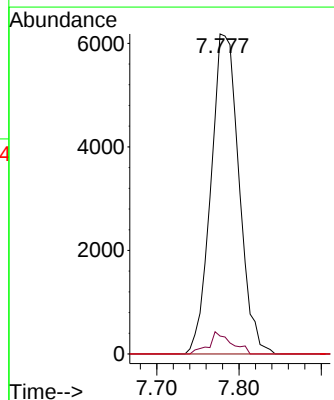
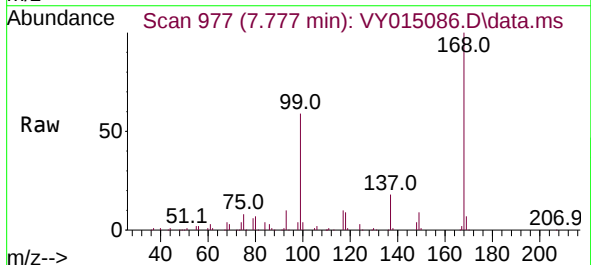
Instrument :
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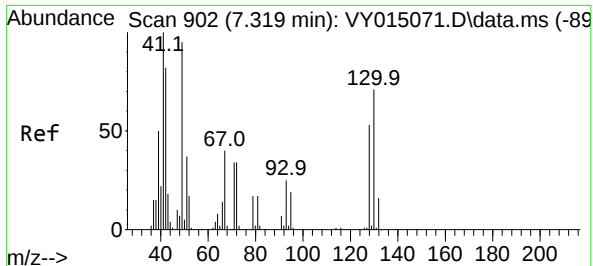
Tgt Ion: 43 Resp: 4344
Ion Ratio Lower Upper
43 100
61 85.2 10.1 15.1#
70 0.8 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.766 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion: 117 Resp: 14664
Ion Ratio Lower Upper
117 100
119 5.6 76.4 114.6#
121 0.0 25.8 38.6#

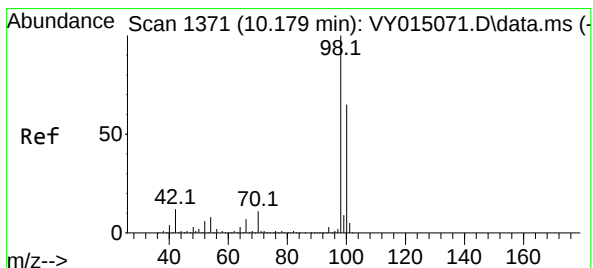
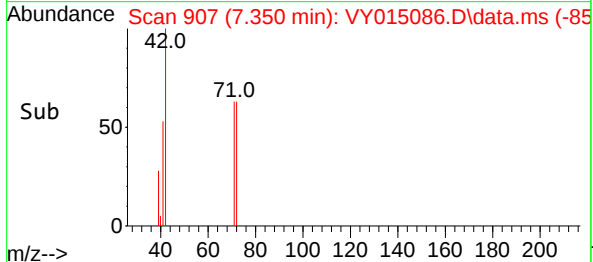
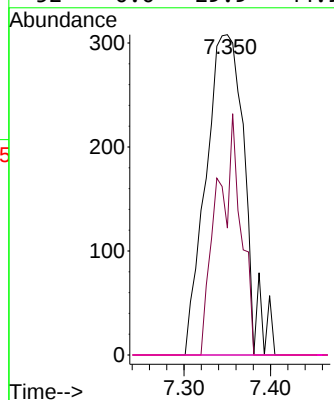
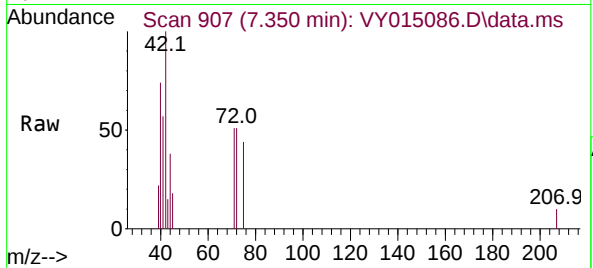




#41
Methacrylonitrile
Concen: 1.090 ug/l
RT: 7.350 min Scan# 90
Delta R.T. 0.043 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

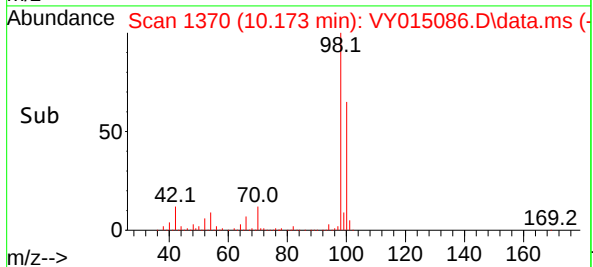
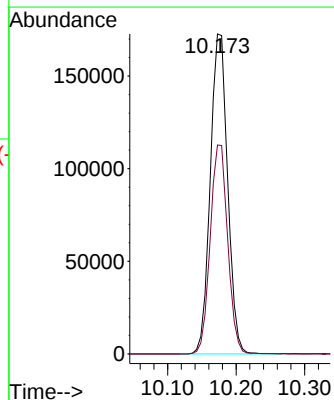
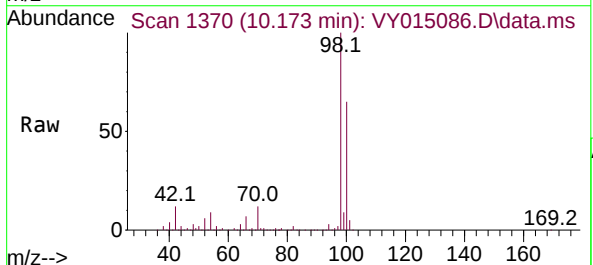
Instrument :
MSVOA_Y
ClientSampleId :
WC-17

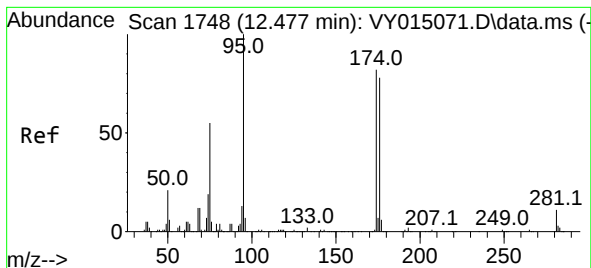
Tgt Ion:	41	Resp:	959
Ion	Ratio	Lower	Upper
41	100		
39	45.9	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#50
Toluene-d8
Concen: 49.315 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion:	98	Resp:	303862
Ion	Ratio	Lower	Upper
98	100		
100	65.8	50.1	75.1

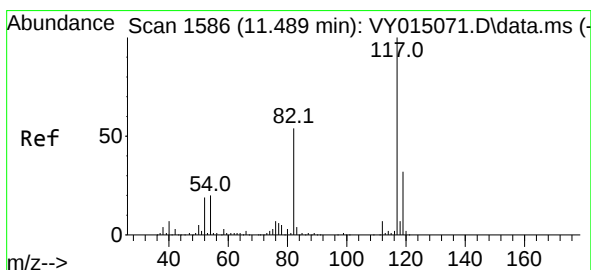
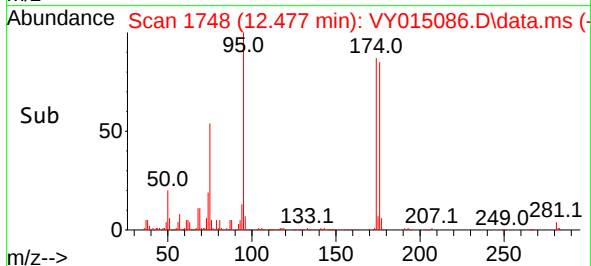
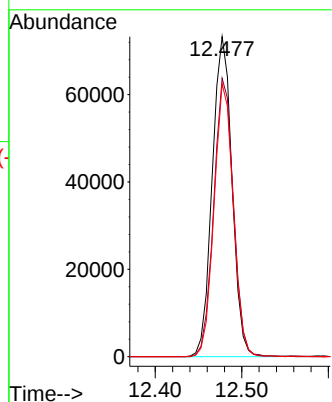
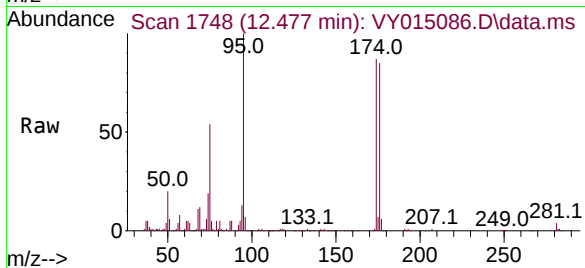




#62
4-Bromofluorobenzene
Concen: 51.514 ug/l
RT: 12.477 min Scan# 115935
Delta R.T. 0.000 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

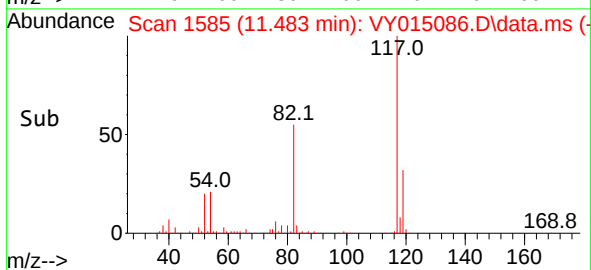
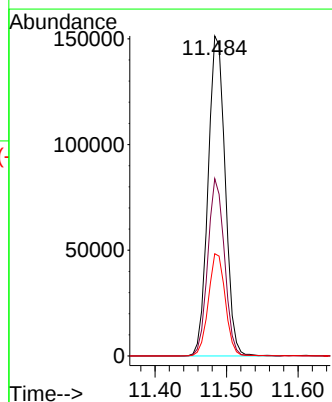
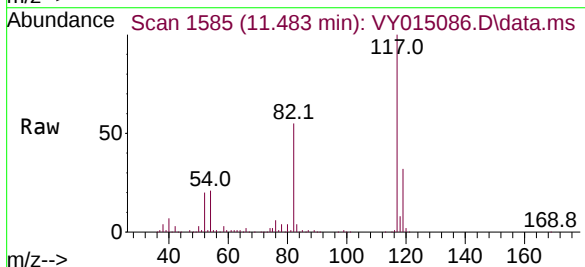
Instrument :
MSVOA_Y
ClientSampleId :
WC-17

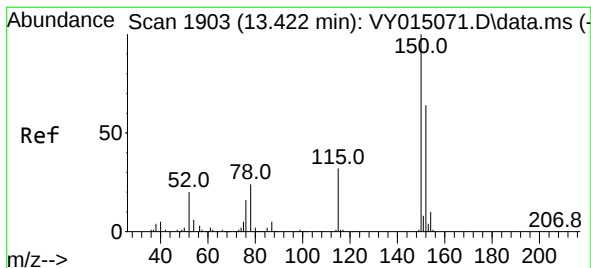
Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	178.2
176	83.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY015086.D
Acq: 14 Aug 2023 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.4	43.4	65.0
119	31.9	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015086.D

Acq: 14 Aug 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

WC-17

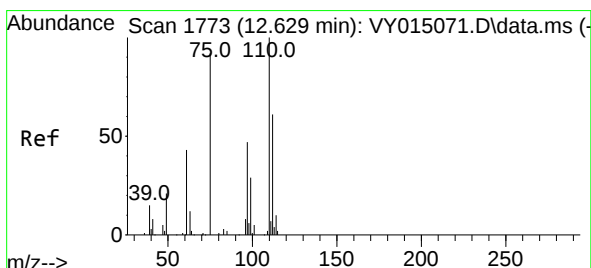
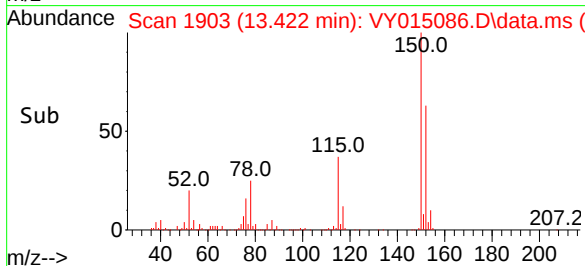
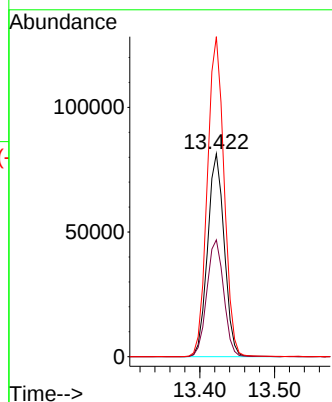
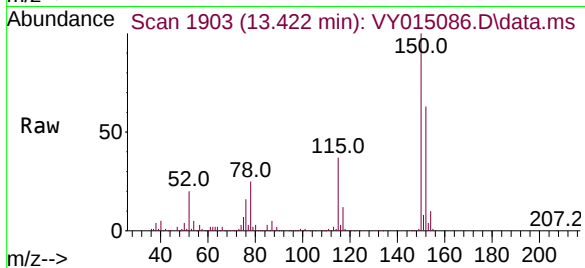
Tgt Ion:152 Resp: 125761

Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 158.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.066 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015086.D

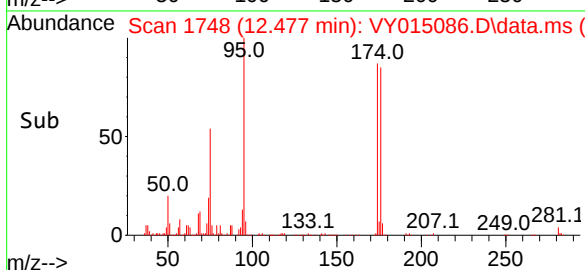
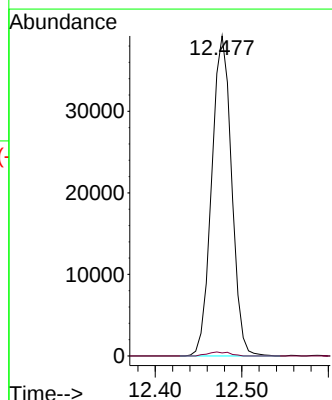
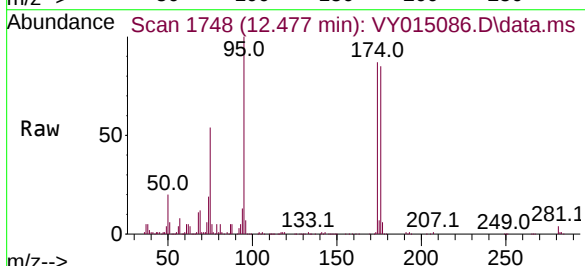
Acq: 14 Aug 2023 17:58

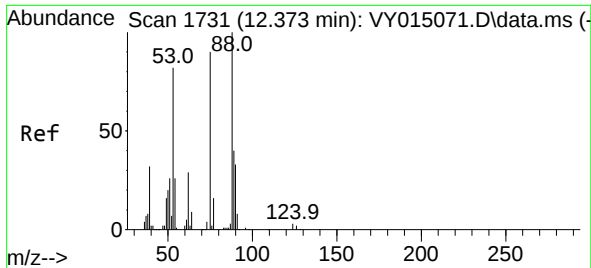
Tgt Ion: 75 Resp: 62745

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.201 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY015086.D
 Acq: 14 Aug 2023 17:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-17

Tgt Ion: 75 Resp: 62745
 Ion Ratio Lower Upper
 75 100
 53 1.2 77.8 116.8#
 89 0.0 37.4 56.0#

