

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014588.D
 Acq On : 06 Jul 2023 15:06
 Operator : KP/MD
 Sample : 03523-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WALDWICK-COMP

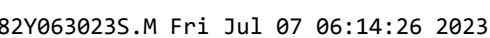
Quant Time: Jul 07 06:14:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	99364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	142665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	135758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	60245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	52345	52.956	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.920%			
35) Dibromofluoromethane	7.710	113	50221	57.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.320%			
50) Toluene-d8	10.173	98	171162	49.284	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.560%			
62) 4-Bromofluorobenzene	12.477	95	51300	42.539	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.080%			
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	46	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	1501	Below Cal	#	89
16) Acetone	3.942	43	4617	14.957	ug/l	97
20) Methylene Chloride	4.704	84	5354	Below Cal	#	88
25) 2-Butanone	6.960	43	1617	3.538	ug/l	49
26) 2,2-Dichloropropane	6.972	77	2787	1.799	ug/l	54
31) Cyclohexane	7.783	56	1644	1.060	ug/l	3
36) 1,1-Dichloropropene	7.783	75	6904	5.132	ug/l	45
37) Ethyl Acetate	6.960	43	1617	1.753	ug/l	71
38) Carbon Tetrachloride	7.783	117	8440	6.009	ug/l	16
76) 1,2,3-Trichloropropane	12.477	75	24152	34.164	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	24152	66.496	ug/l	11

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

Quant Time: Jul 07 06:14:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
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QLast Update : Fri Jun 30 19:02:11 2023
Response via : Initial Calibration

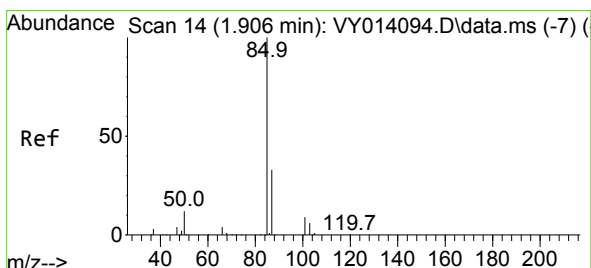
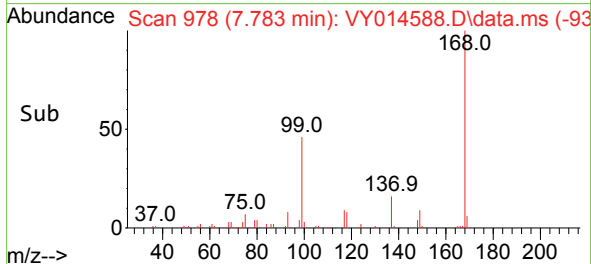
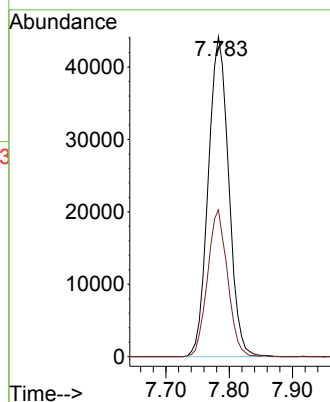
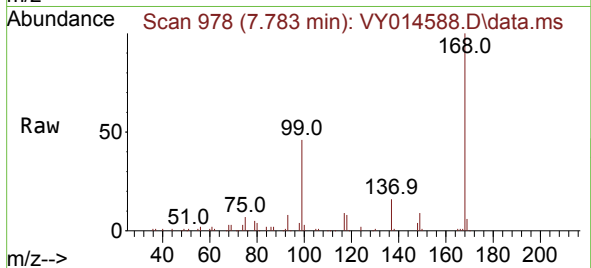




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

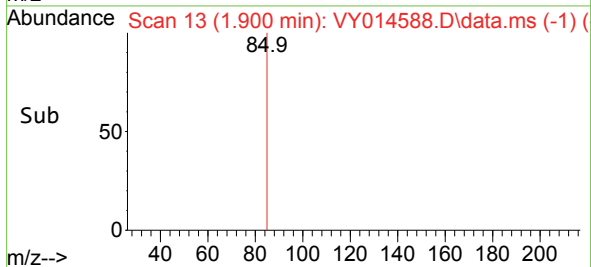
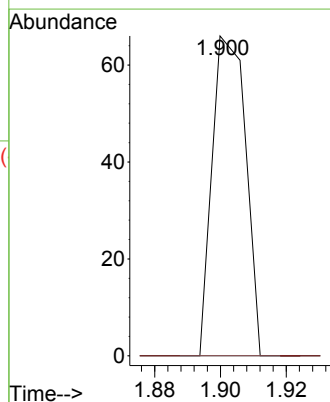
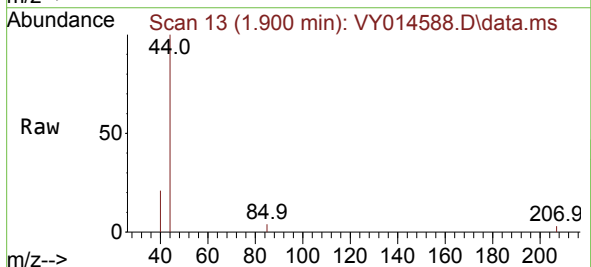
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

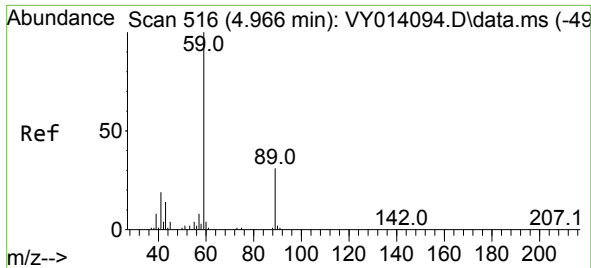
Tgt Ion:168 Resp: 99364
Ion Ratio Lower Upper
168 100
99 45.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 85 Resp: 46
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#

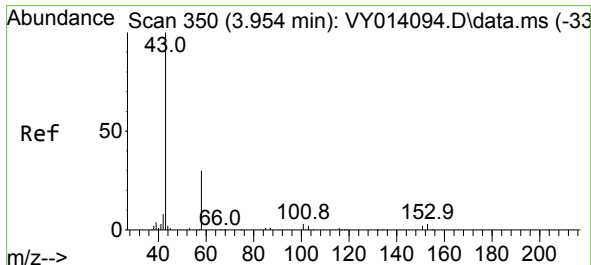
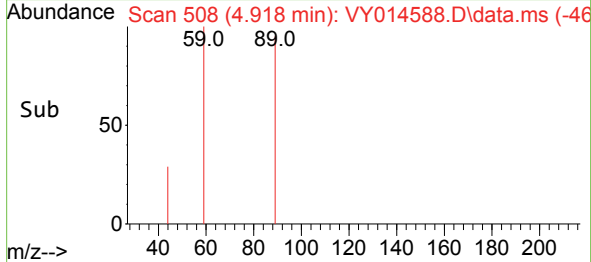
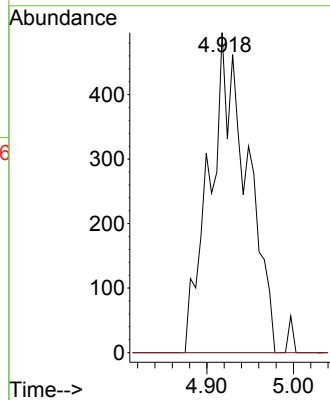
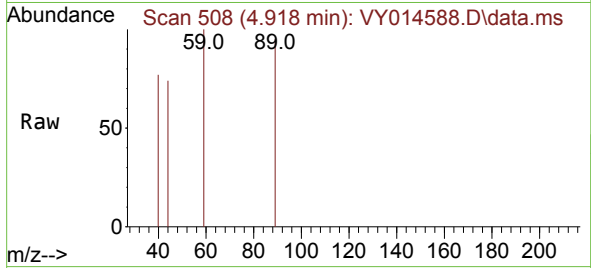




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.048 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

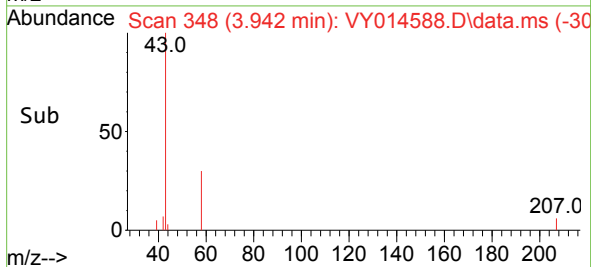
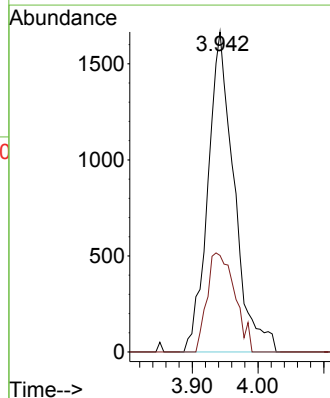
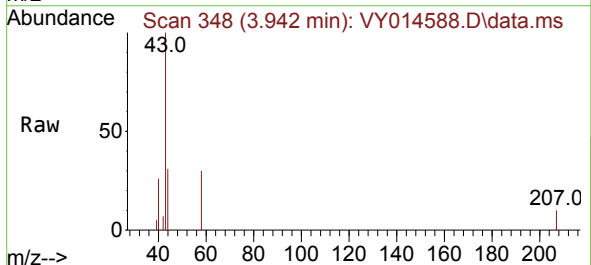
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

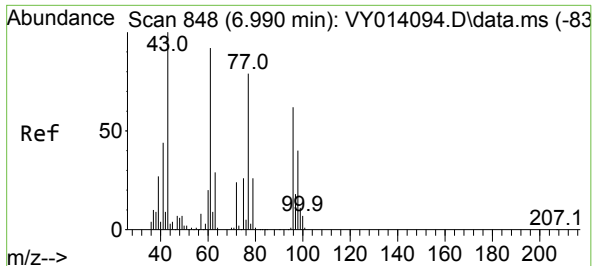
Tgt Ion: 59 Resp: 1501
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 14.957 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.012 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 43 Resp: 4617
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1

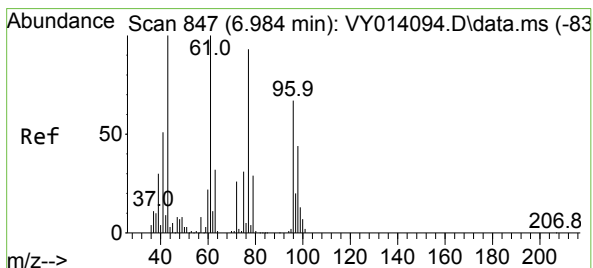
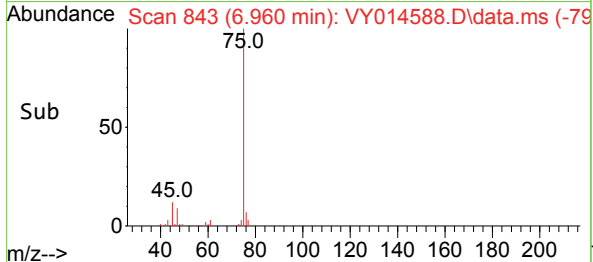
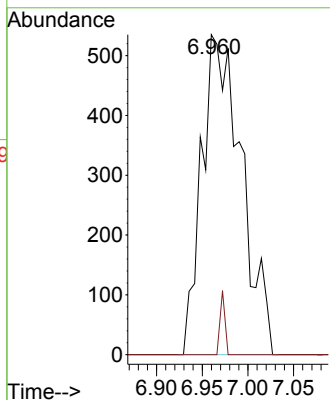
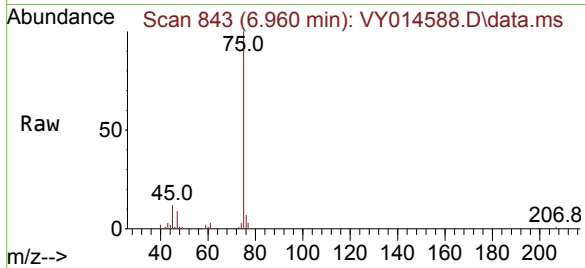




#25
2-Butanone
Concen: 3.538 ug/l
RT: 6.960 min Scan# 844
Delta R.T. -0.030 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

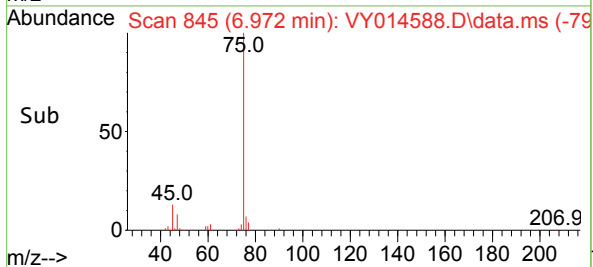
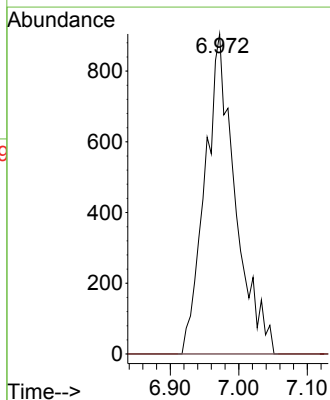
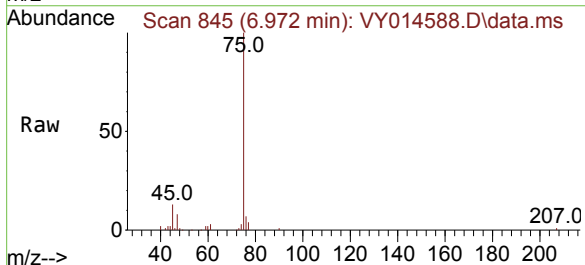
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

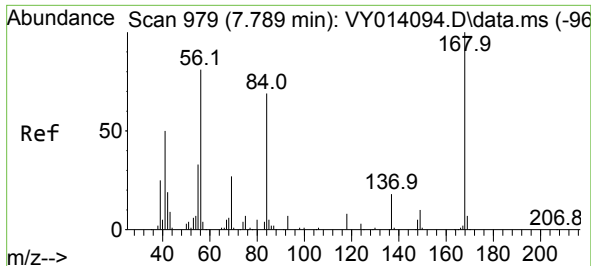
Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.799 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 77 Resp: 2787
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

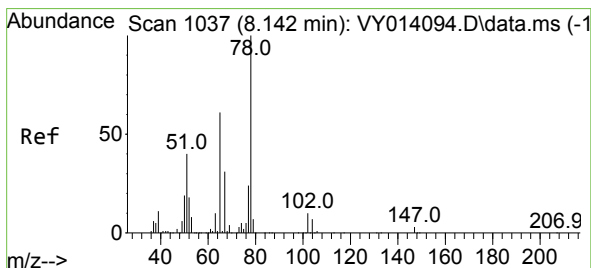
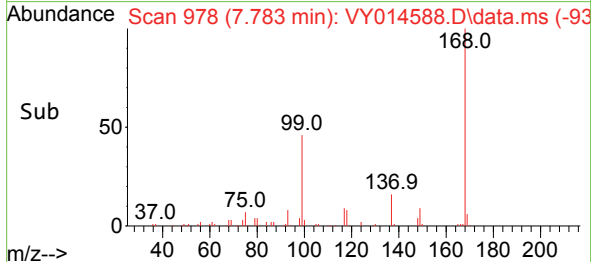
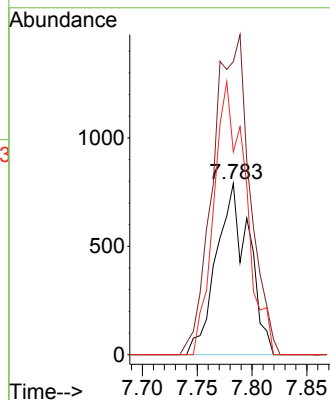
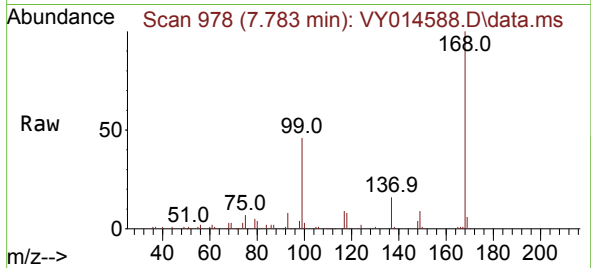




#31
Cyclohexane
Concen: 1.060 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

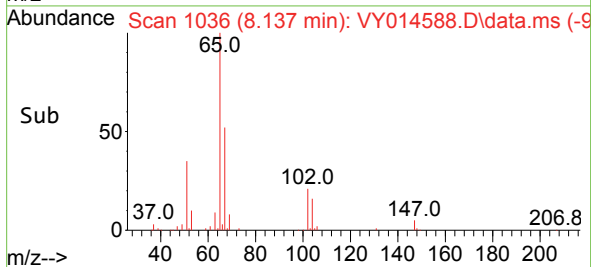
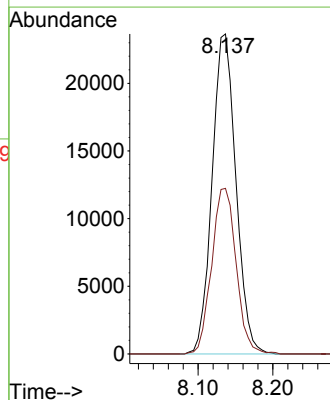
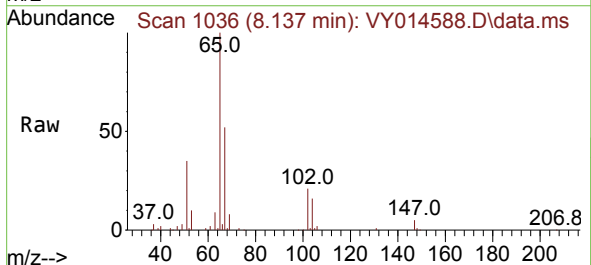
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

Tgt Ion: 56 Resp: 1644
Ion Ratio Lower Upper
56 100
69 171.0 27.8 41.6#
84 118.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 52.956 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 65 Resp: 52345
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8

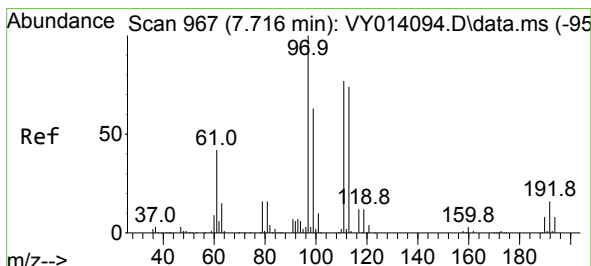
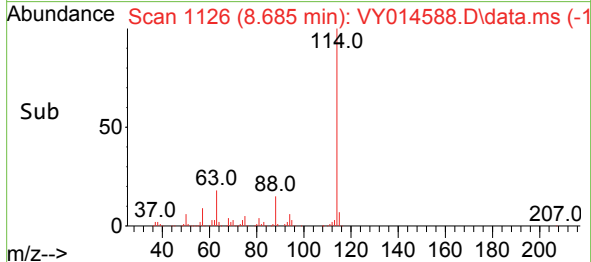
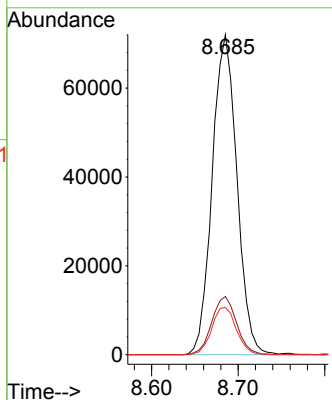
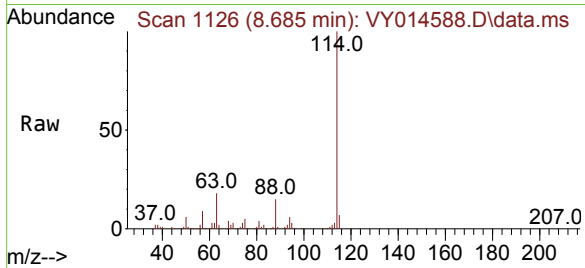




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

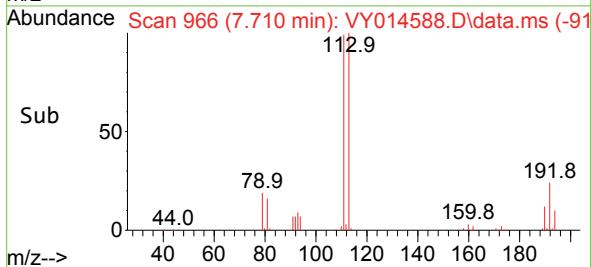
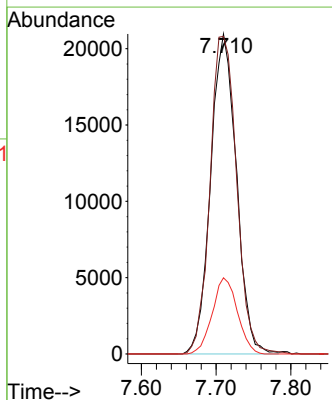
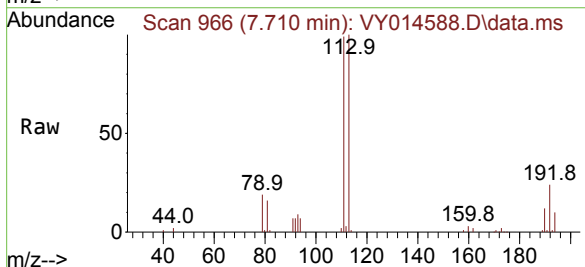
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ClientSampleId :
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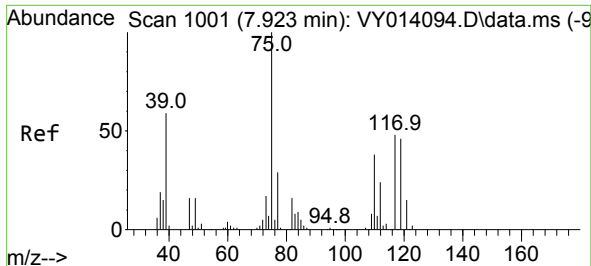
Tgt Ion:	114	Resp:	142665
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	42.4
88	14.7	0.0	30.6



#35
Dibromofluoromethane
Concen: 57.164 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion:	113	Resp:	50221
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.3	121.9
192	23.2	16.9	25.3

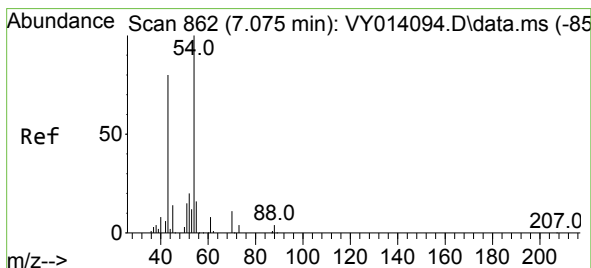
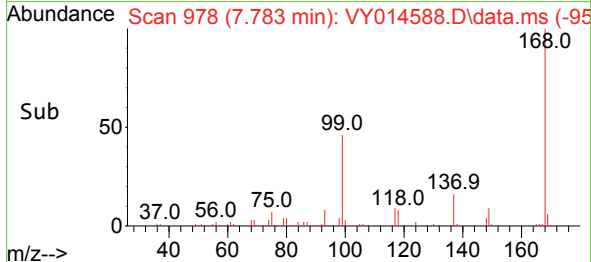
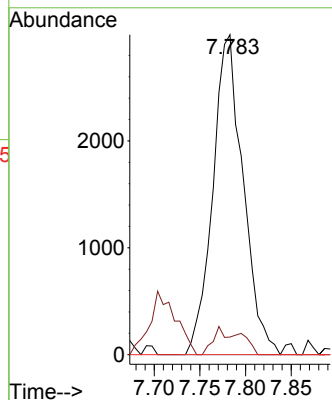
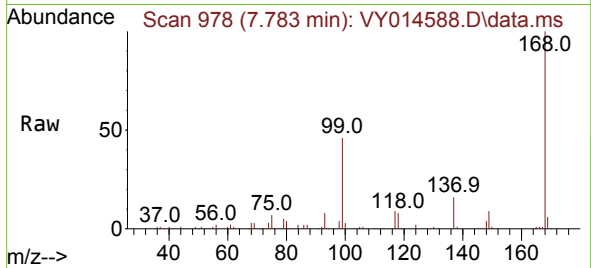




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.140 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

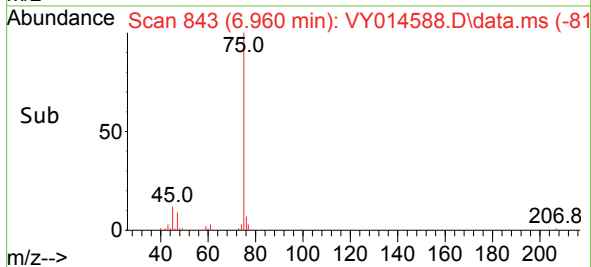
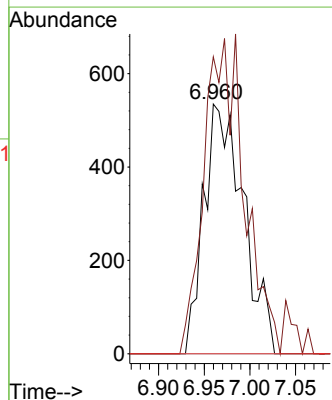
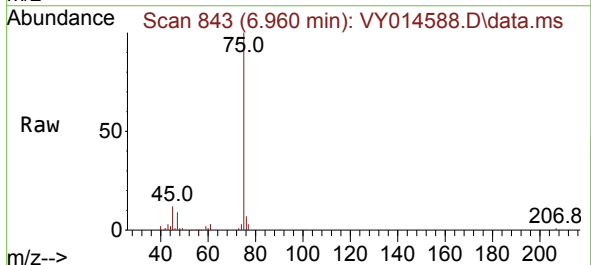
Instrument :
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WALDWICK-COMP

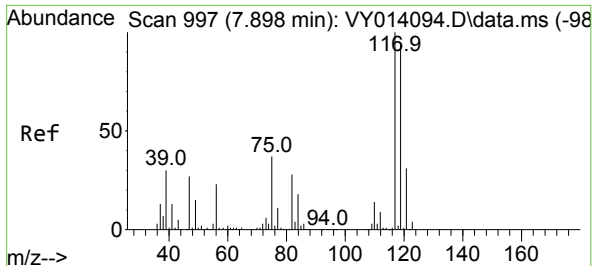
Tgt Ion: 75 Resp: 6904
Ion Ratio Lower Upper
75 100
110 4.2 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.753 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.115 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#

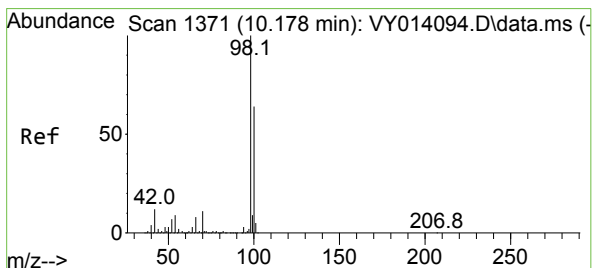
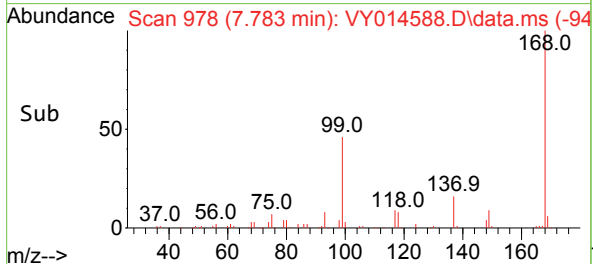
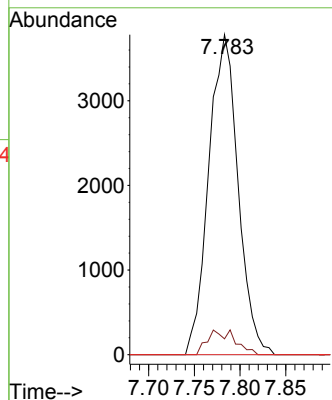
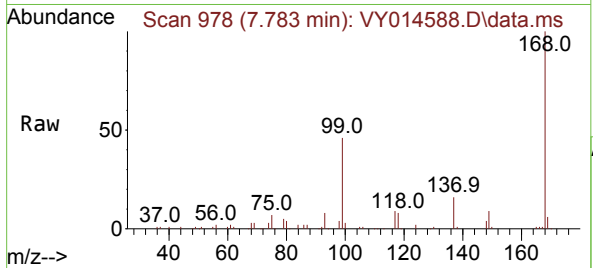




#38
Carbon Tetrachloride
Concen: 6.009 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

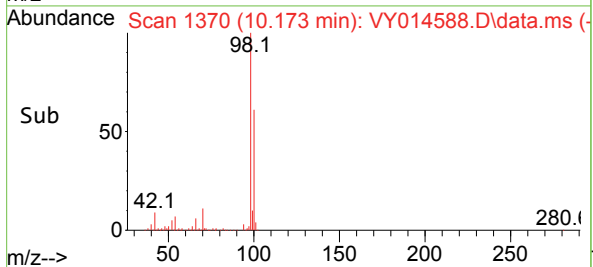
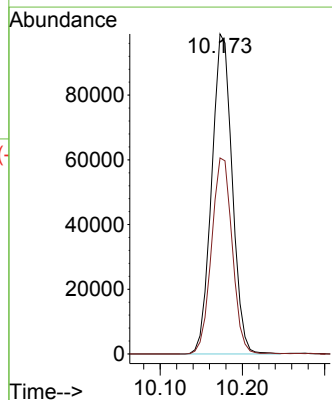
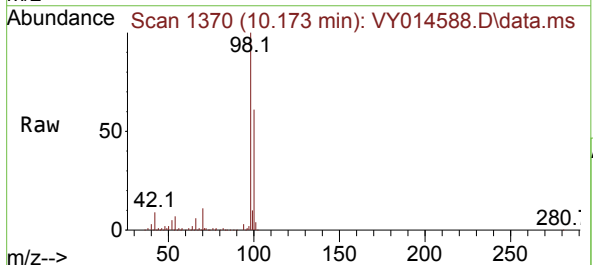
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

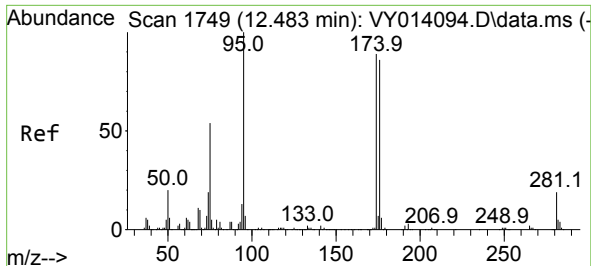
Tgt Ion:117 Resp: 8440
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.284 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 98 Resp: 171162
Ion Ratio Lower Upper
98 100
100 61.9 50.1 75.1

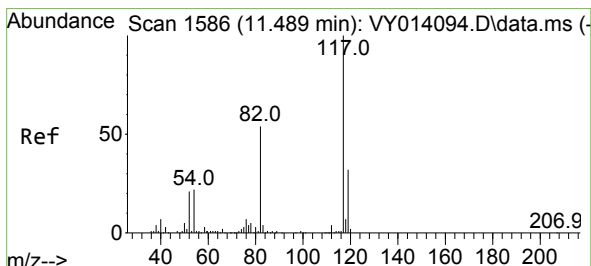
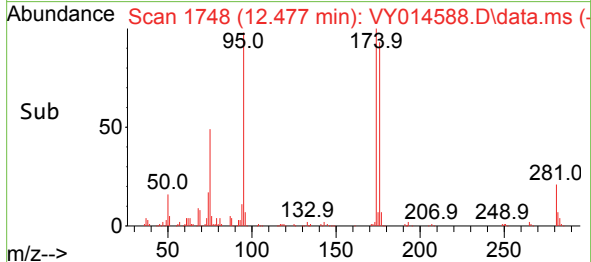
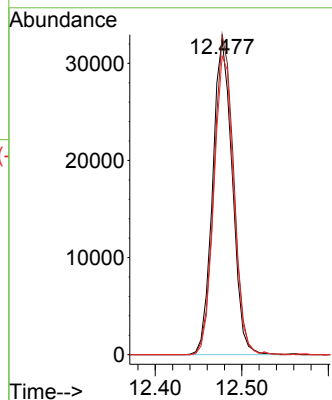
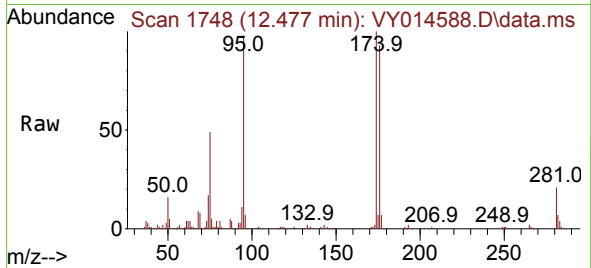




#62
4-Bromofluorobenzene
Concen: 42.539 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

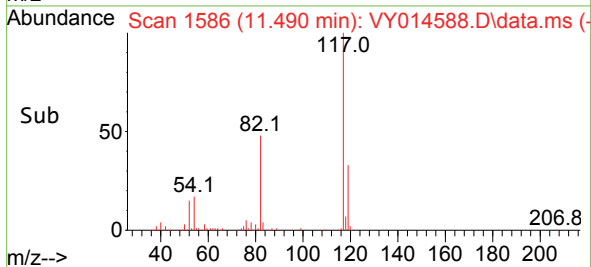
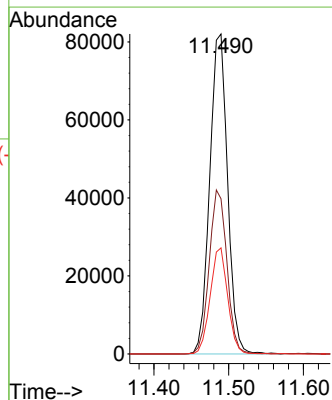
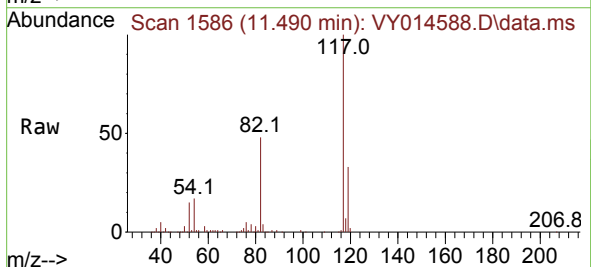
Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

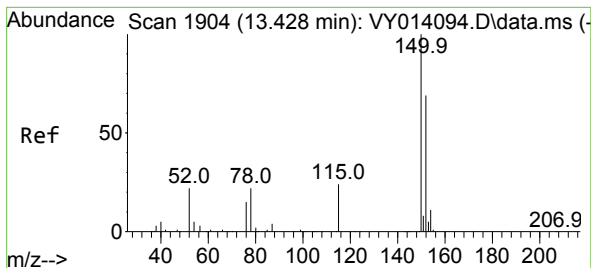
Tgt Ion: 95 Resp: 51300
Ion Ratio Lower Upper
95 100
174 101.8 0.0 178.2
176 95.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Tgt Ion: 117 Resp: 135758
Ion Ratio Lower Upper
117 100
82 48.5 43.4 65.0
119 33.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014588.D

Acq: 06 Jul 2023 15:06

Instrument :

MSVOA_Y

ClientSampleId :

WALDWICK-COMP

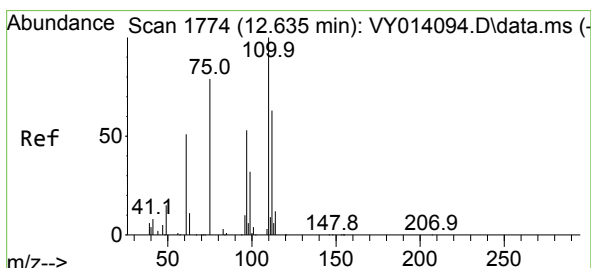
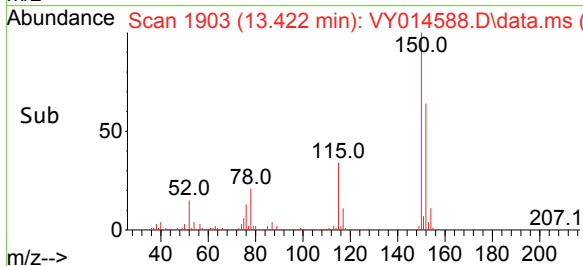
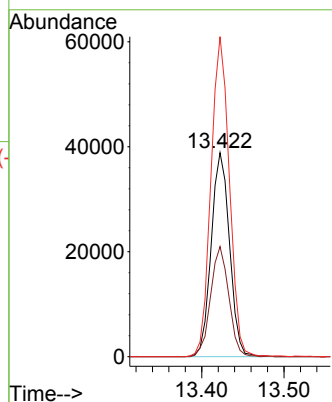
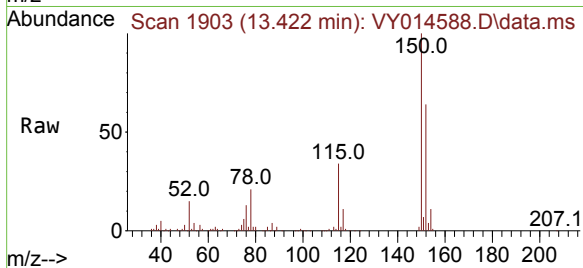
Tgt Ion:152 Resp: 60245

Ion Ratio Lower Upper

152 100

115 53.3 28.8 86.5

150 157.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 34.164 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014588.D

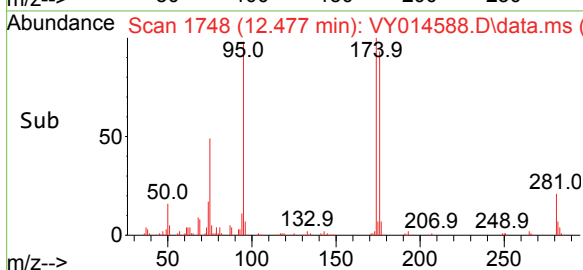
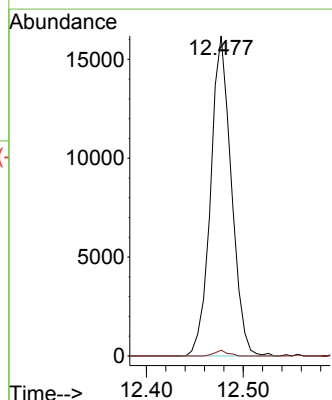
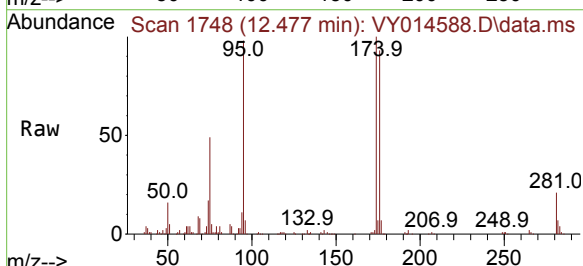
Acq: 06 Jul 2023 15:06

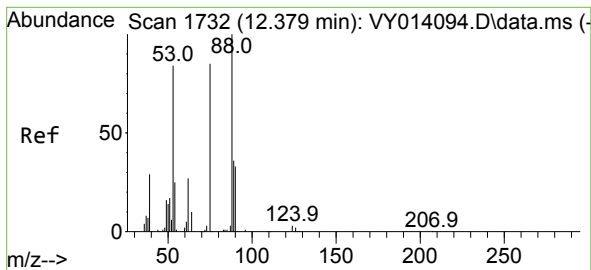
Tgt Ion: 75 Resp: 24152

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 66.496 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014588.D
Acq: 06 Jul 2023 15:06

Instrument :
MSVOA_Y
ClientSampleId :
WALDWICK-COMP

Tgt Ion: 75 Resp: 24152
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.4 37.4 56.0#

