

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017441.D
 Acq On : 21 Feb 2024 16:28
 Operator : SY/MD
 Sample : P1537-08
 Misc : 4.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 8

Quant Time: Feb 22 03:39:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

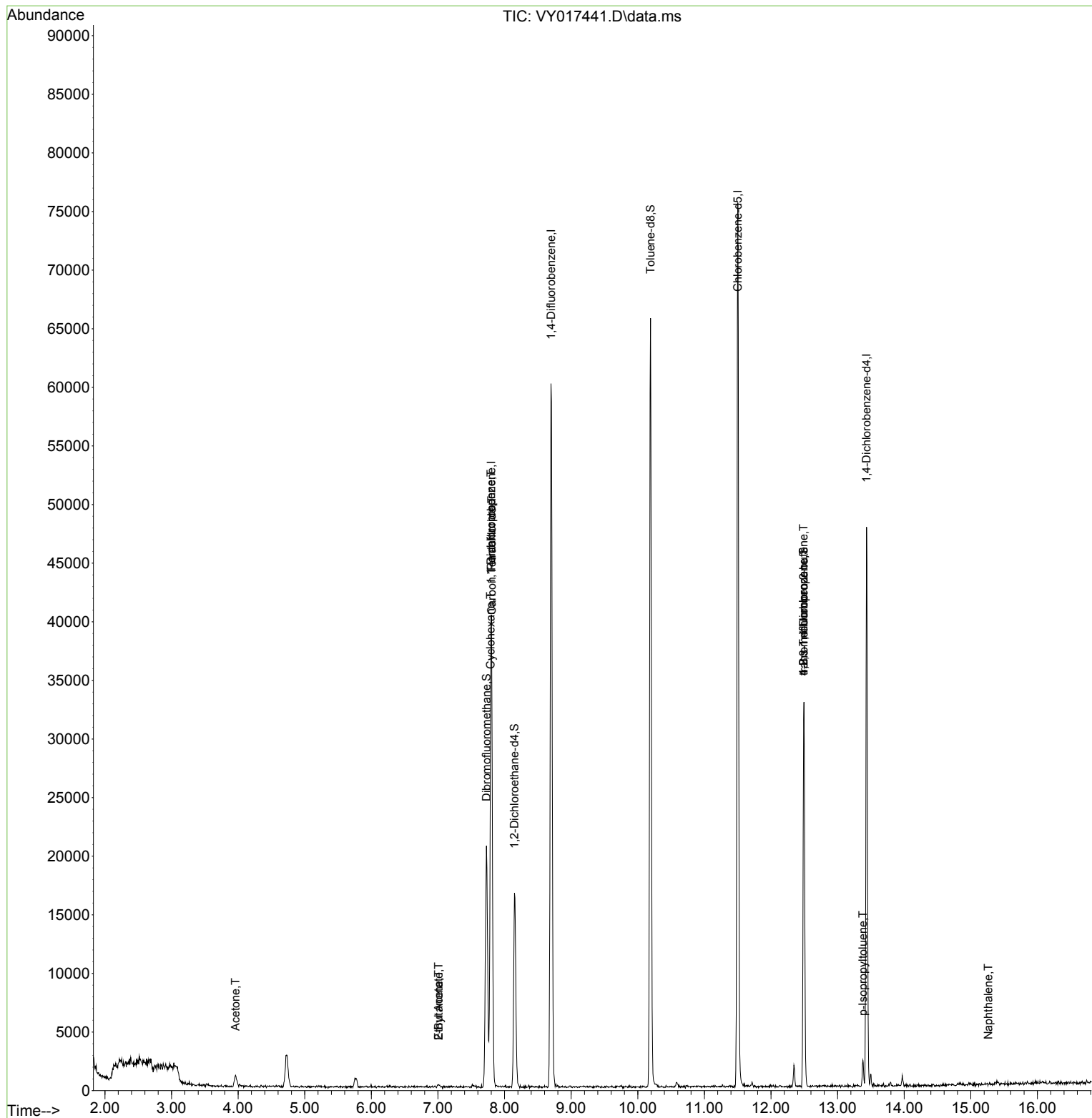
Internal Standards						
1) Pentafluorobenzene	7.801	168	33955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	55419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	45114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	13300	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	12955	44.661	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.320%
35) Dibromofluoromethane	7.728	113	15002	46.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.500%
50) Toluene-d8	10.191	98	46961	37.326	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	74.660%
62) 4-Bromofluorobenzene	12.489	95	10301	25.429	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	240	Below Cal	#	55
16) Acetone	3.961	43	1666	26.520	ug/l #	86
25) 2-Butanone	7.009	43	437	4.956	ug/l #	41
31) Cyclohexane	7.789	56	699	1.217	ug/l #	54
36) 1,1-Dichloropropene	7.795	75	2366	4.367	ug/l #	44
37) Ethyl Acetate	7.009	43	437	2.215	ug/l #	67
38) Carbon Tetrachloride	7.807	117	3212	5.954	ug/l #	13
76) 1,2,3-Trichloropropane	12.489	75	5200	40.324	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	5200	94.017	ug/l #	16
86) p-Isopropyltoluene	13.380	119	1373	1.513	ug/l	95
95) Naphthalene	15.263	128	19	3.584	ug/l #	69

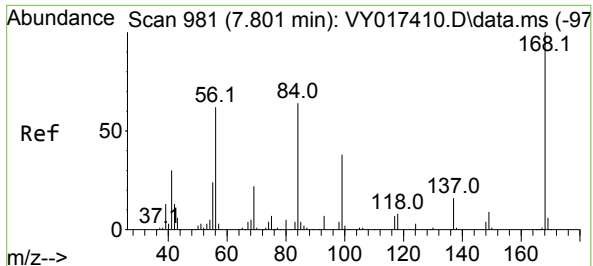
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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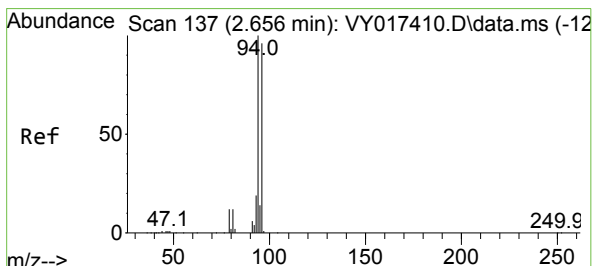
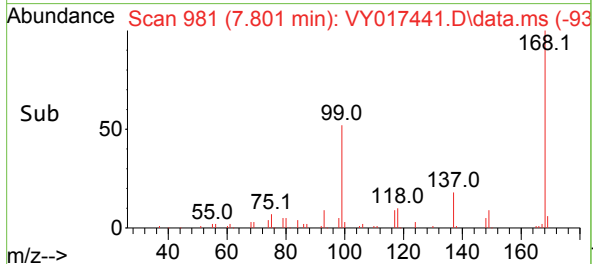
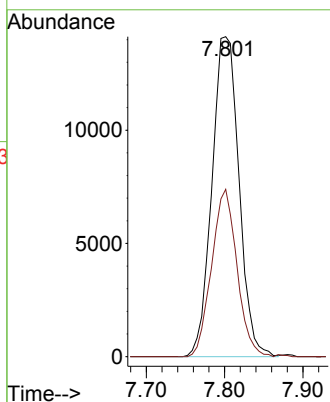
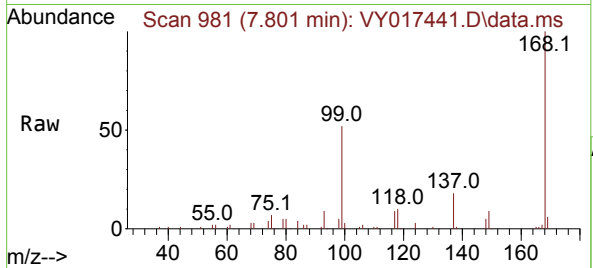




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

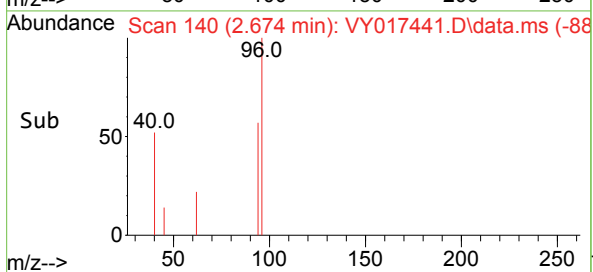
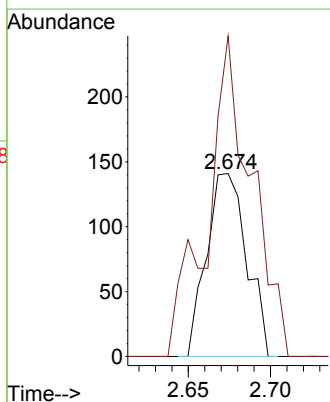
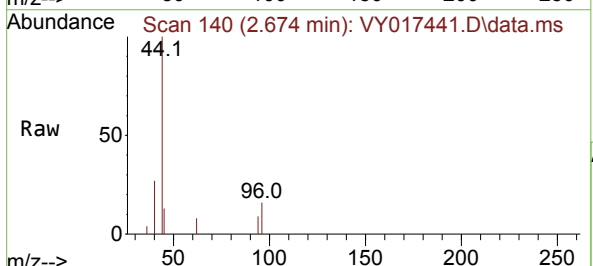
Instrument :
MSVOA_Y
ClientSampleId :
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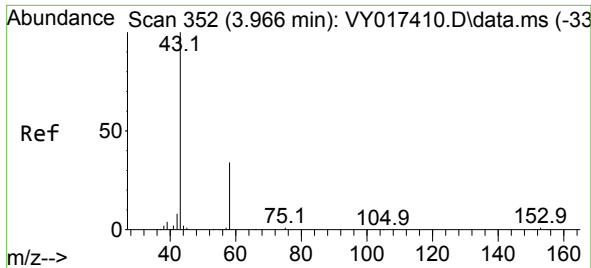
Tgt Ion:168 Resp: 33955
Ion Ratio Lower Upper
168 100
99 52.3 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 135.5 74.1 111.1#

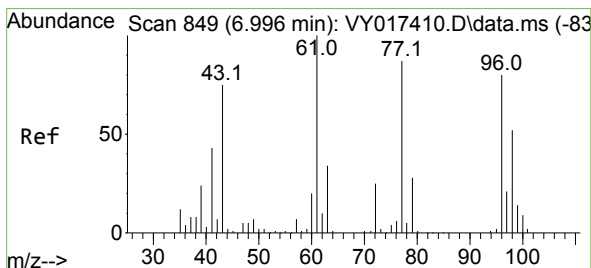
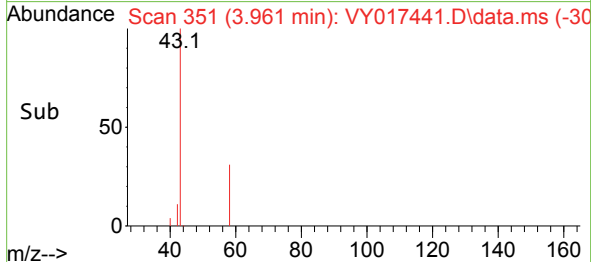
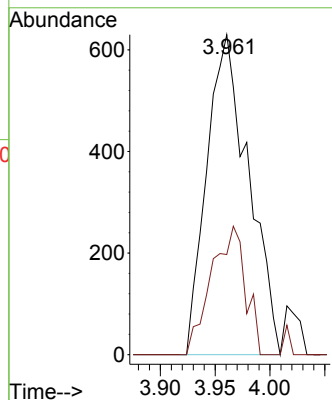
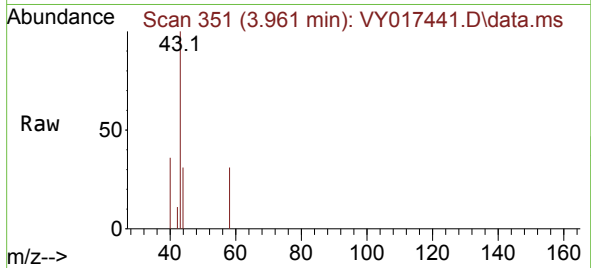




#16
Acetone
Concen: 26.520 ug/l
RT: 3.961 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

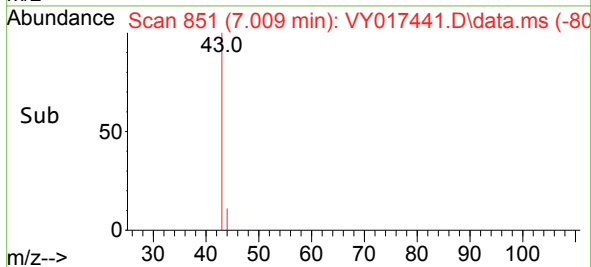
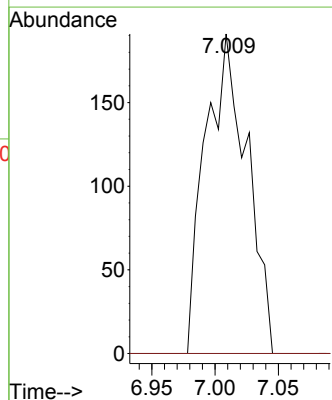
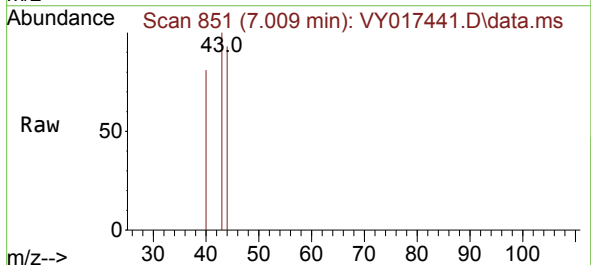
Instrument :
MSVOA_Y
ClientSampleId :
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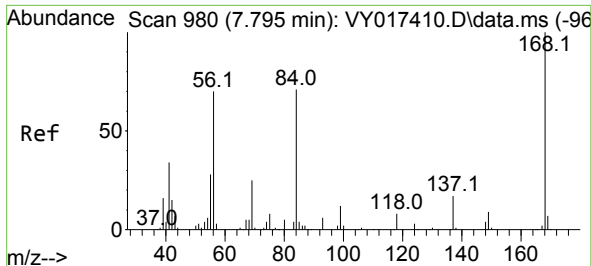
Tgt Ion: 43 Resp: 1666
Ion Ratio Lower Upper
43 100
58 31.3 31.7 47.5#



#25
2-Butanone
Concen: 4.956 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Tgt Ion: 43 Resp: 437
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#

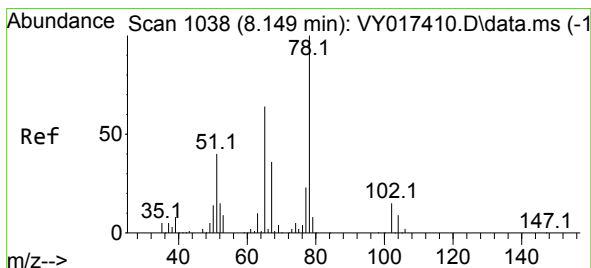
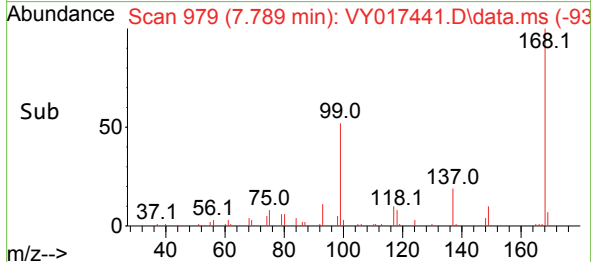
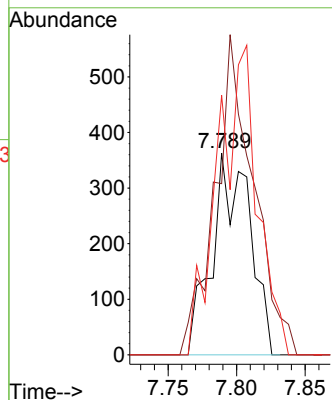
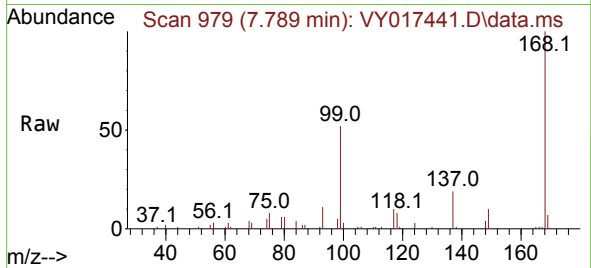




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

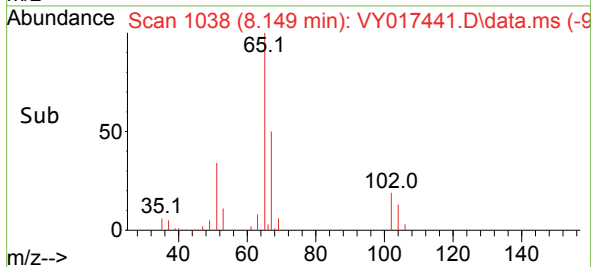
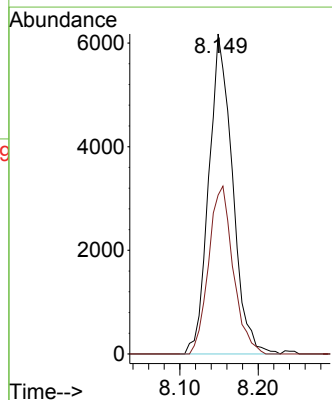
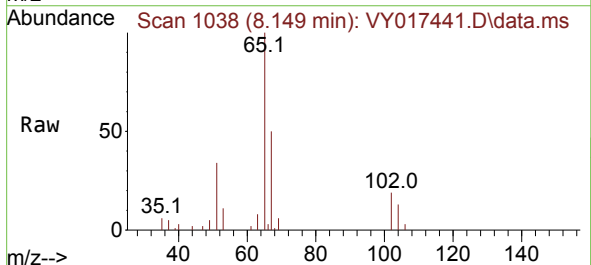
Instrument :
MSVOA_Y
ClientSampleId :
8

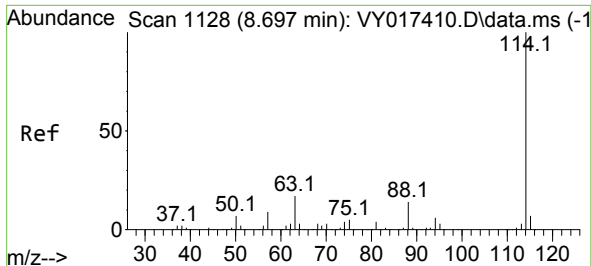
Tgt Ion: 56 Resp: 699
Ion Ratio Lower Upper
56 100
69 84.8 28.7 43.1#
84 128.7 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 44.661 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Tgt Ion: 65 Resp: 12955
Ion Ratio Lower Upper
65 100
67 54.2 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017441.D

Acq: 21 Feb 2024 16:28

Instrument :

MSVOA_Y

ClientSampleId :

8

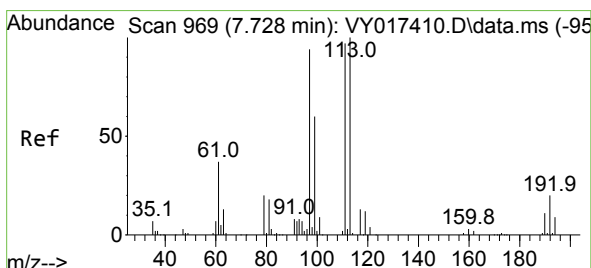
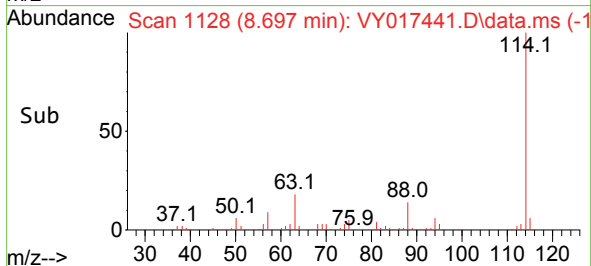
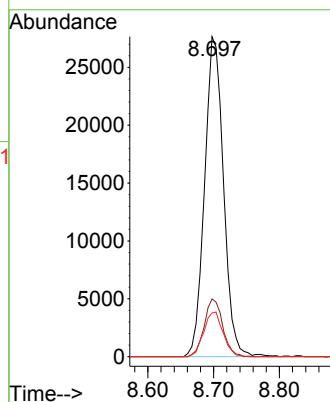
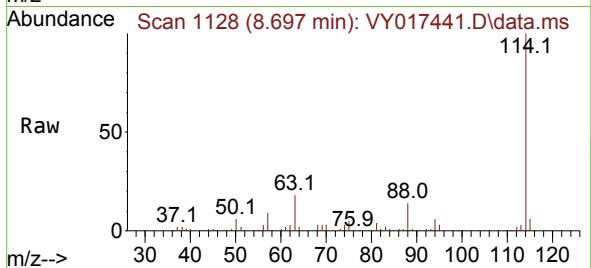
Tgt Ion:114 Resp: 55419

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 13.6 0.0 27.2



#35

Dibromofluoromethane

Concen: 46.245 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017441.D

Acq: 21 Feb 2024 16:28

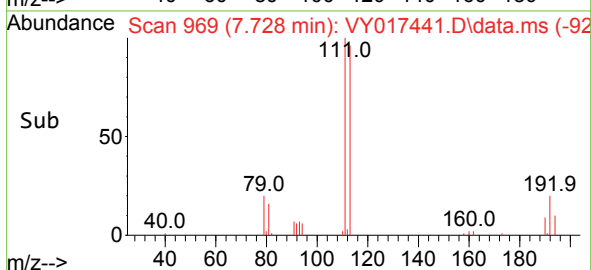
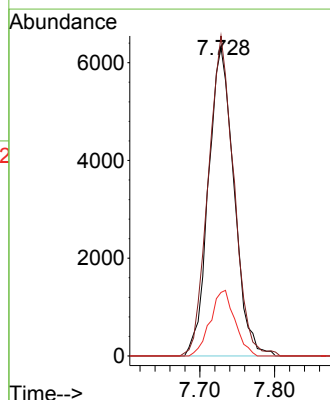
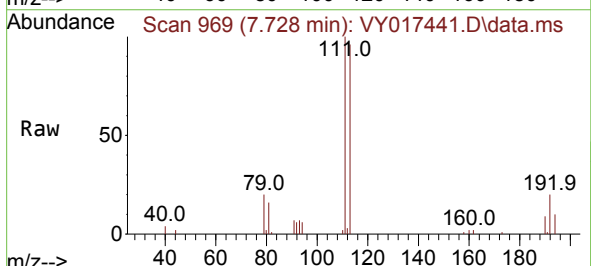
Tgt Ion:113 Resp: 15002

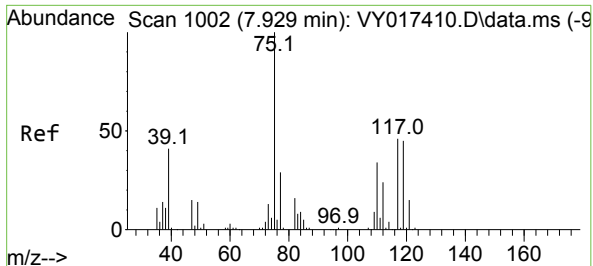
Ion Ratio Lower Upper

113 100

111 103.7 82.2 123.4

192 20.5 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.367 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY017441.D

Acq: 21 Feb 2024 16:28

Instrument :

MSVOA_Y

ClientSampleId :

8

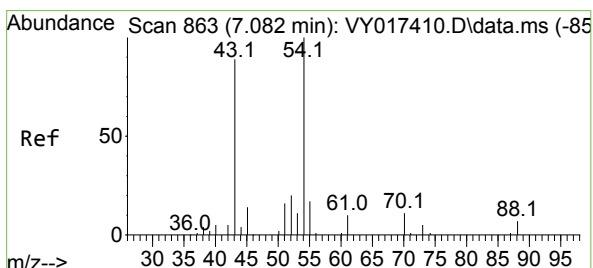
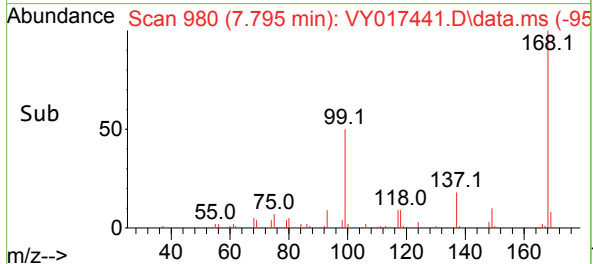
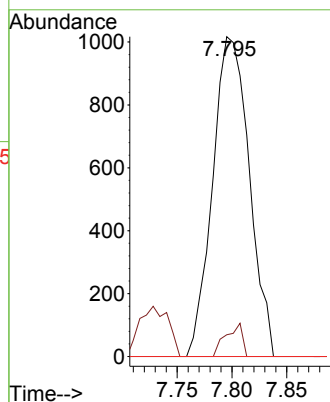
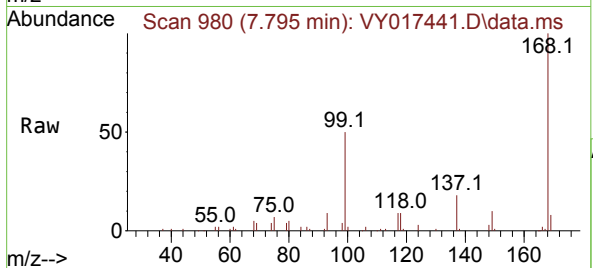
Tgt Ion: 75 Resp: 2366

Ion Ratio Lower Upper

75 100

110 4.7 19.0 57.0#

77 0.0 25.3 37.9#



#37

Ethyl Acetate

Concen: 2.215 ug/l

RT: 7.009 min Scan# 851

Delta R.T. -0.073 min

Lab File: VY017441.D

Acq: 21 Feb 2024 16:28

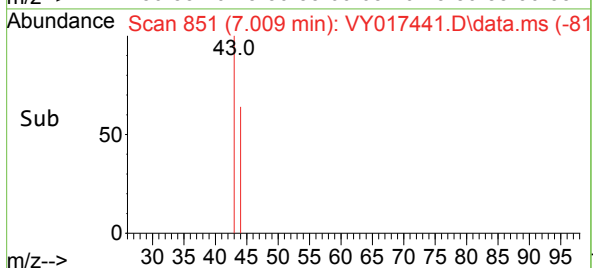
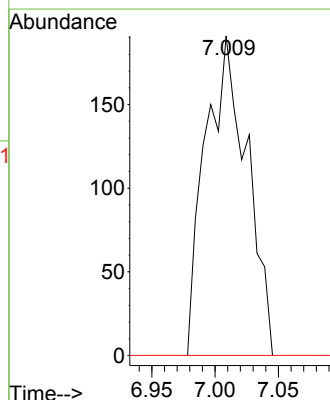
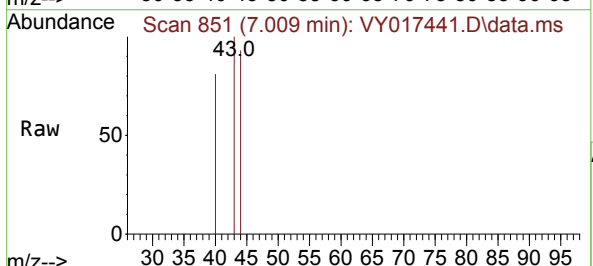
Tgt Ion: 43 Resp: 437

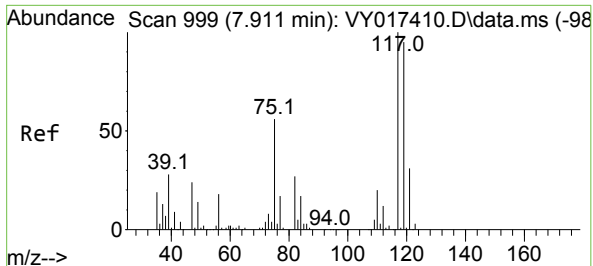
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#

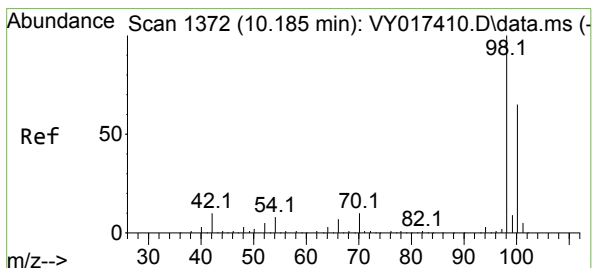
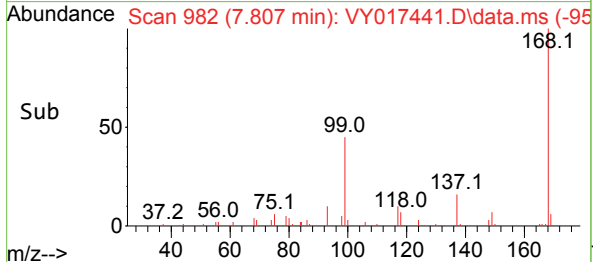
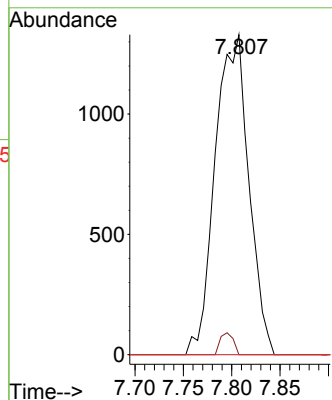
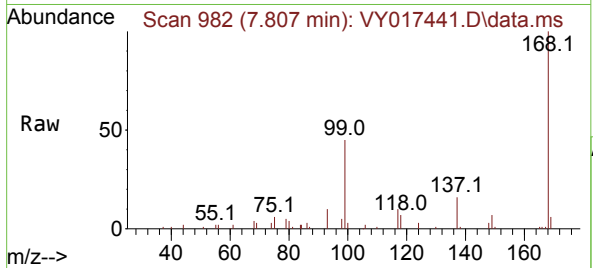




#38
Carbon Tetrachloride
Concen: 5.954 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

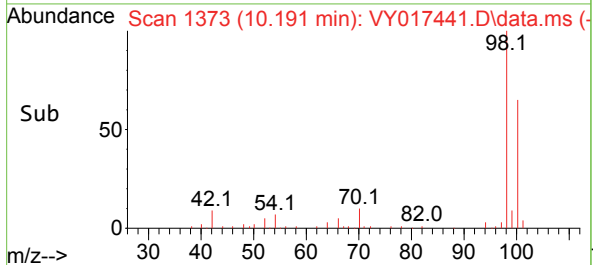
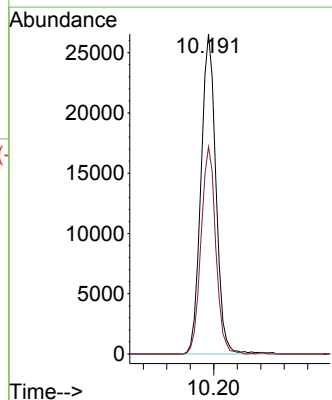
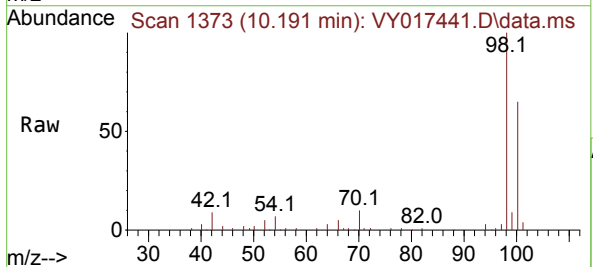
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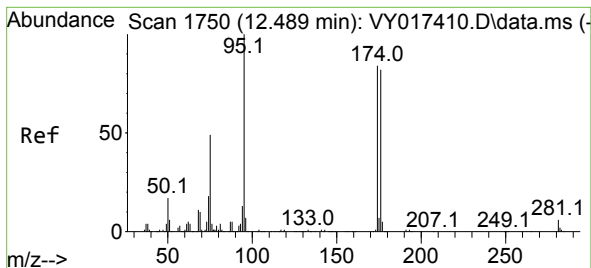
Tgt Ion:117 Resp: 3212
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.326 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Tgt Ion: 98 Resp: 46961
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0

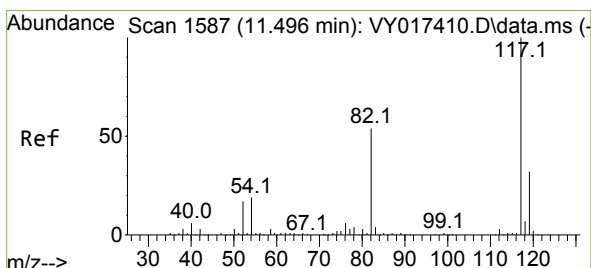
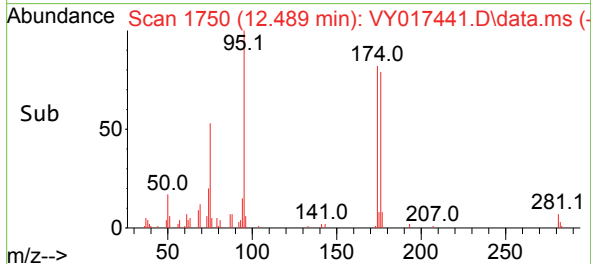
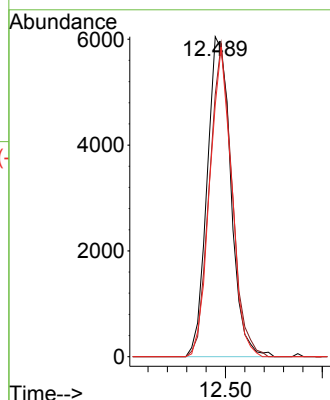
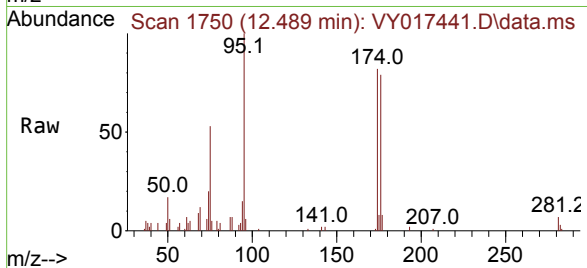




#62
4-Bromofluorobenzene
Concen: 25.429 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

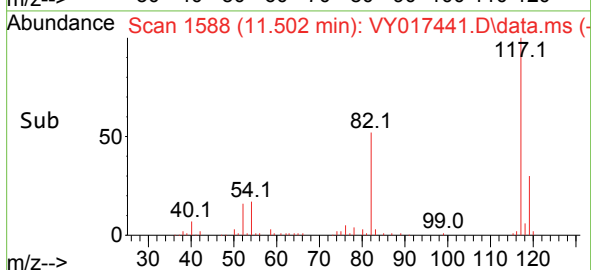
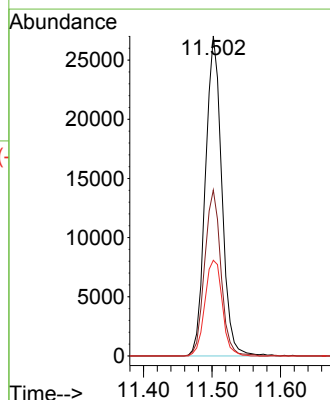
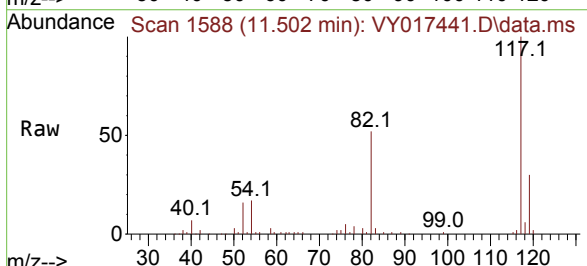
Instrument :
MSVOA_Y
ClientSampleId :
8

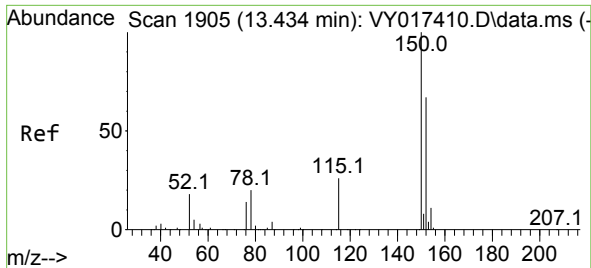
Tgt Ion:	95	Resp:	10301
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	175.6
176	89.2	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Tgt Ion:	117	Resp:	45114
Ion Ratio	Lower	Upper	
117	100		
82	51.9	42.4	63.6
119	29.9	25.9	38.9

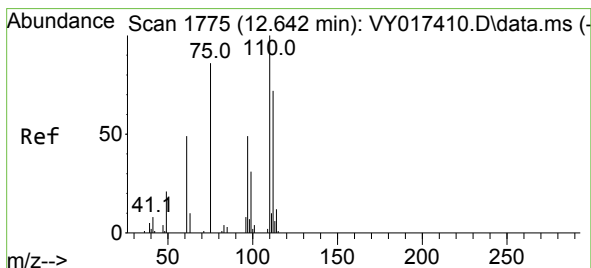
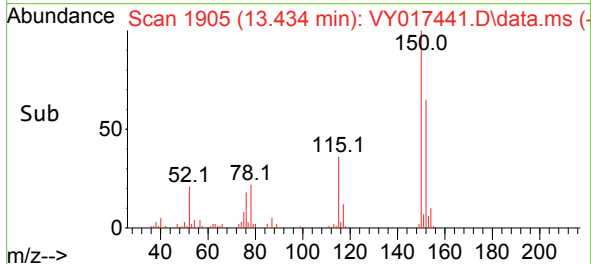
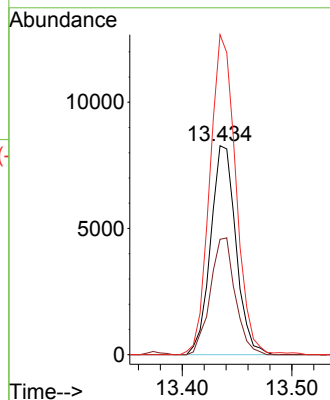
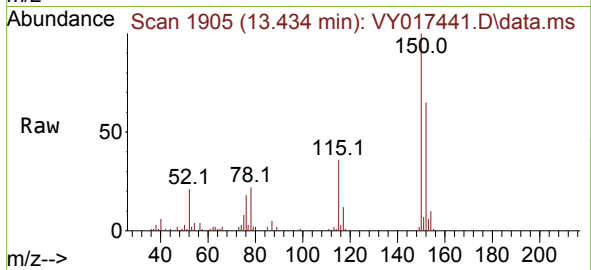




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.434 min Scan# 1905
 Delta R.T. 0.000 min
 Lab File: VY017441.D
 Acq: 21 Feb 2024 16:28

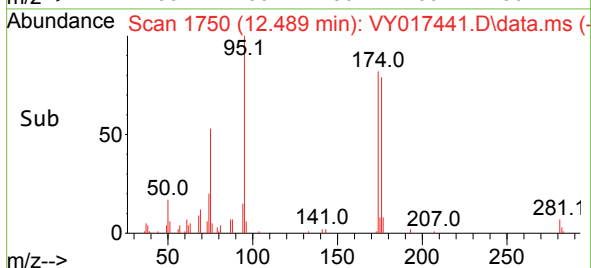
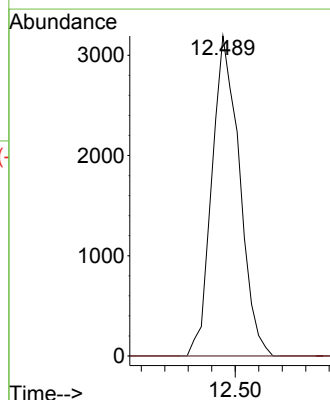
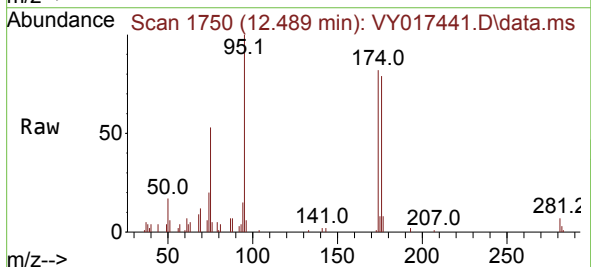
Instrument :
 MSVOA_Y
 ClientSampleId :
 8

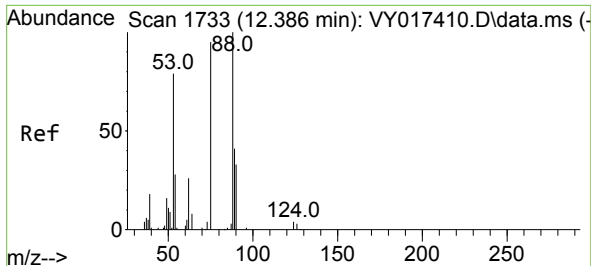
Tgt Ion:152 Resp: 13300
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.2 84.7
 150 157.5 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 40.324 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.152 min
 Lab File: VY017441.D
 Acq: 21 Feb 2024 16:28

Tgt Ion: 75 Resp: 5200
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

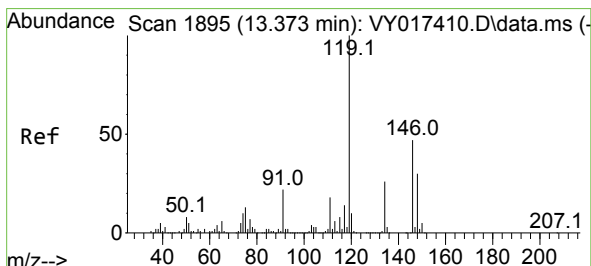
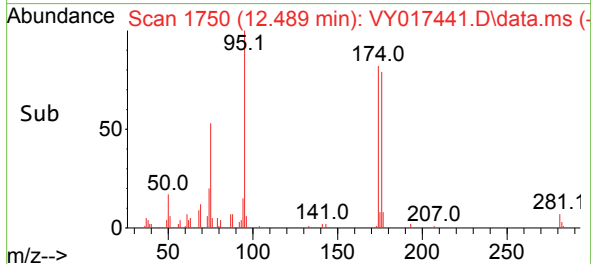
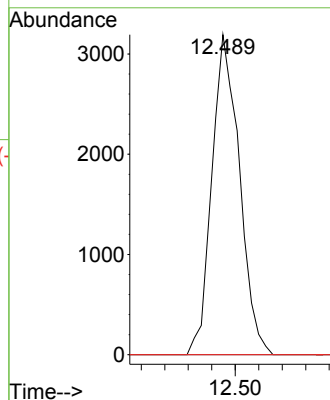
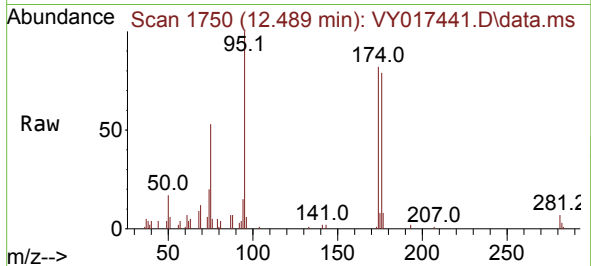




#81
trans-1,4-Dichloro-2-butene
Concen: 94.017 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

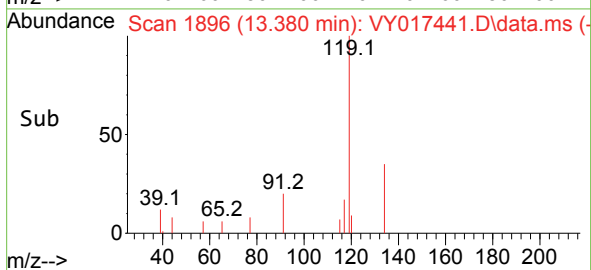
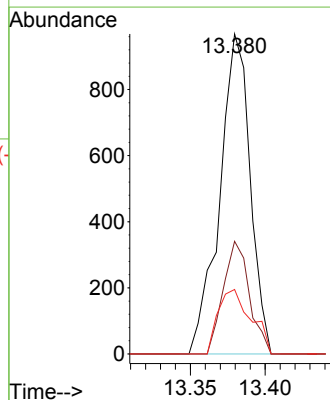
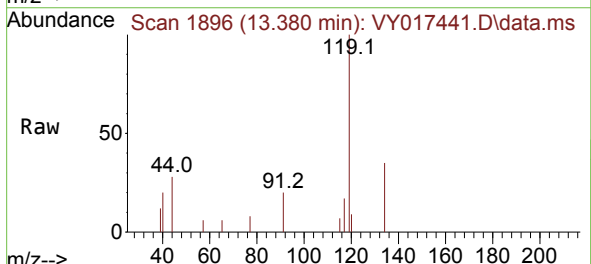
Instrument :
MSVOA_Y
ClientSampleId :
8

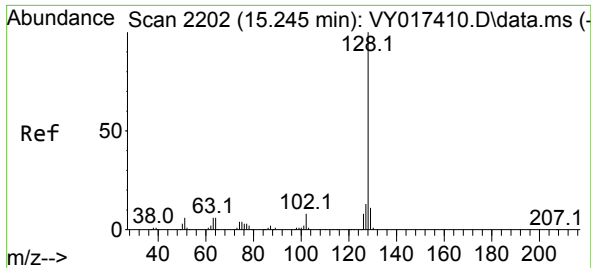
Tgt Ion: 75 Resp: 5200
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#86
p-Isopropyltoluene
Concen: 1.513 ug/l
RT: 13.380 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

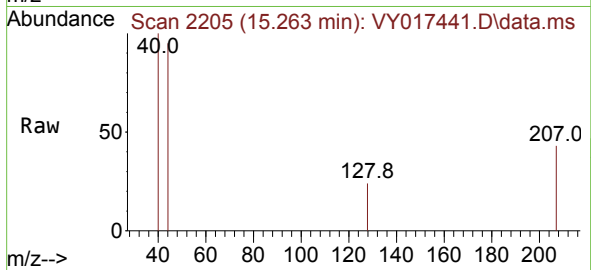
Tgt Ion: 119 Resp: 1373
Ion Ratio Lower Upper
119 100
134 30.2 13.1 39.3
91 21.7 10.7 32.1





#95
Naphthalene
Concen: 3.584 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.018 min
Lab File: VY017441.D
Acq: 21 Feb 2024 16:28

Instrument :
MSVOA_Y
ClientSampleId :
8



Tgt Ion:128 Resp: 19
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

