

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017436.D
 Acq On : 21 Feb 2024 14:31
 Operator : SY/MD
 Sample : P1537-03
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 3

Quant Time: Feb 22 03:25:56 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)

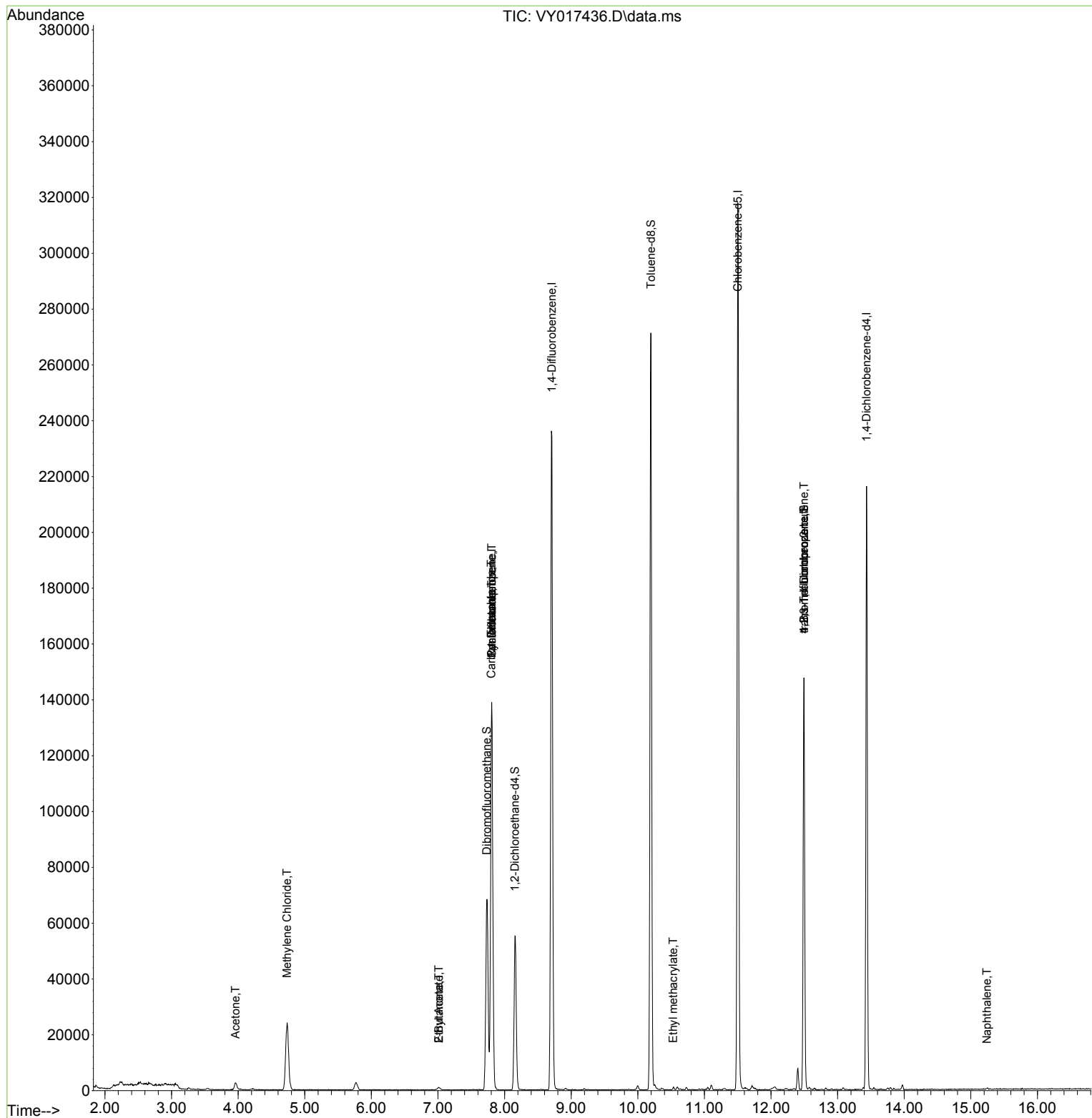
Internal Standards						
1) Pentafluorobenzene	7.807	168	112994	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	213048	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.502	117	181856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	56212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	42162	43.678	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.360%
35) Dibromofluoromethane	7.734	113	50840	40.766	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.540%
50) Toluene-d8	10.197	98	181901	37.608	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.220%
62) 4-Bromofluorobenzene	12.495	95	44010	28.068	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.680	94	258	Below Cal		83
16) Acetone	3.960	43	4861	23.252	ug/l #	76
20) Methylene Chloride	4.734	84	19400	10.289	ug/l	96
25) 2-Butanone	7.015	43	1352	4.607	ug/l #	81
31) Cyclohexane	7.807	56	2208	1.155	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	8445	4.055	ug/l #	48
37) Ethyl Acetate	7.015	43	1352	1.783	ug/l #	67
38) Carbon Tetrachloride	7.801	117	10719	5.169	ug/l #	16
56) Ethyl methacrylate	10.532	69	114	3.783	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	23081	42.348	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	23081	98.737	ug/l #	16
95) Naphthalene	15.239	128	659	3.904	ug/l #	78

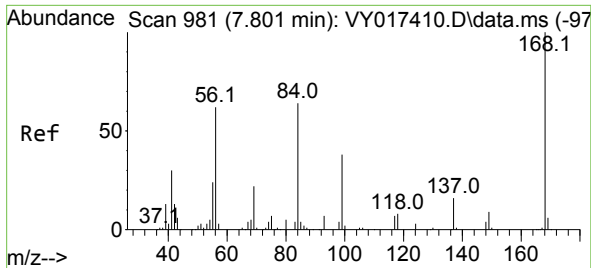
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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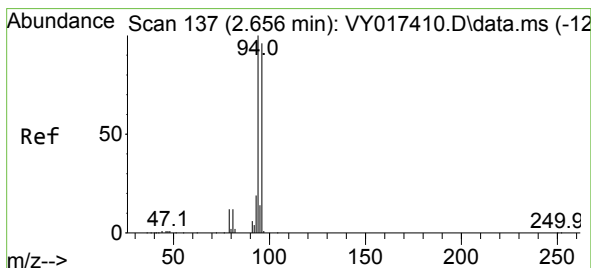
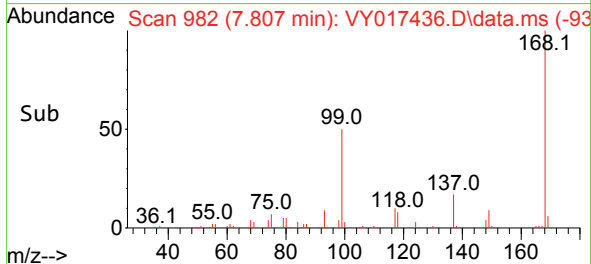
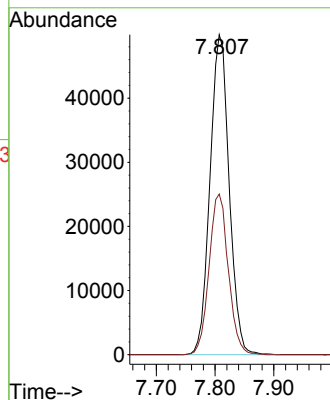
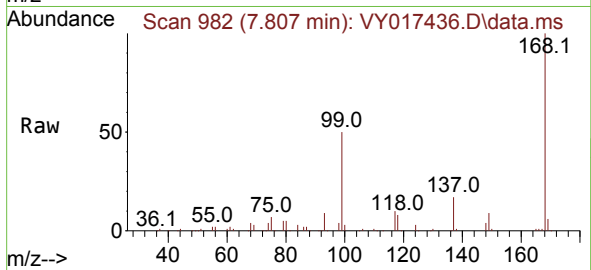




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

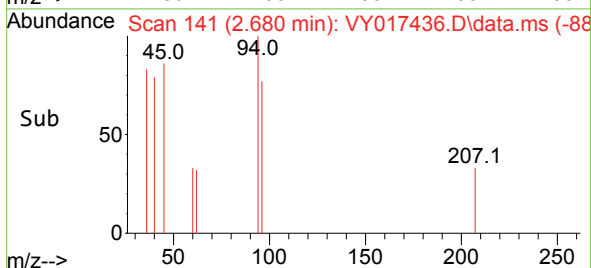
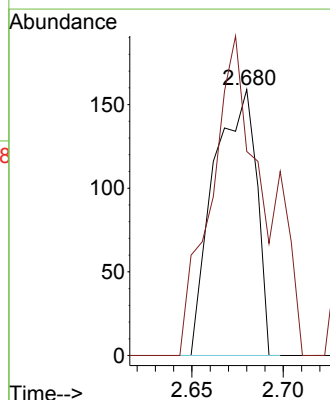
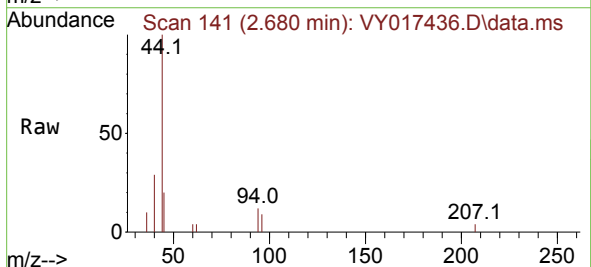
Instrument :
MSVOA_Y
ClientSampleId :
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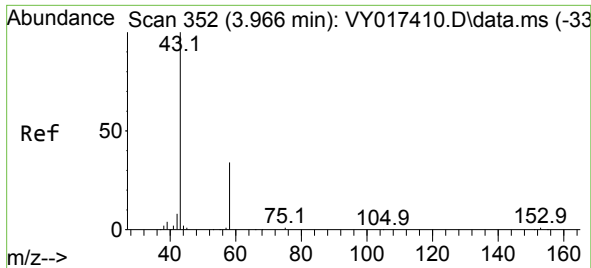
Tgt Ion:168 Resp: 112994
Ion Ratio Lower Upper
168 100
99 50.2 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.680 min Scan# 141
Delta R.T. 0.024 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion: 94 Resp: 258
Ion Ratio Lower Upper
94 100
96 76.7 74.1 111.1

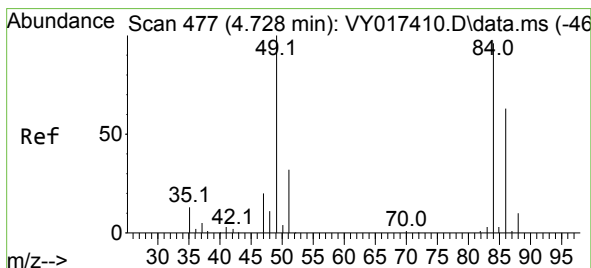
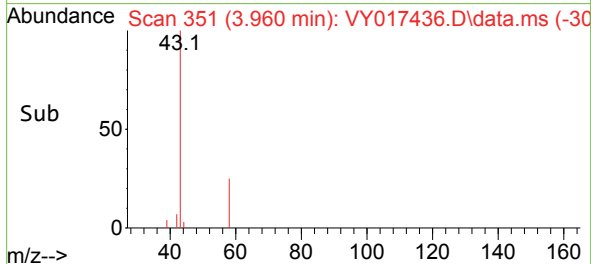
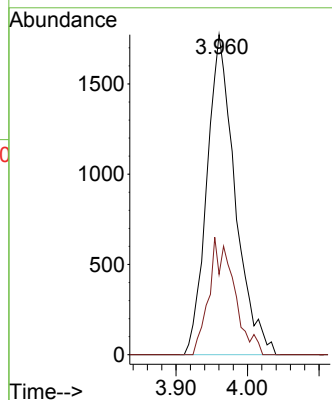
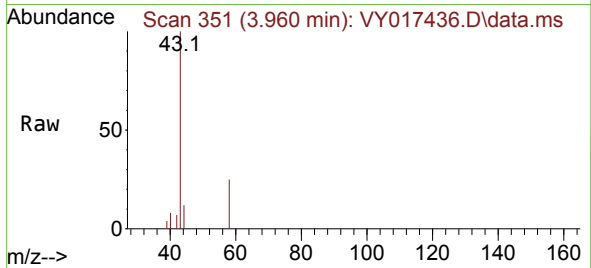




#16
Acetone
Concen: 23.252 ug/l
RT: 3.960 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

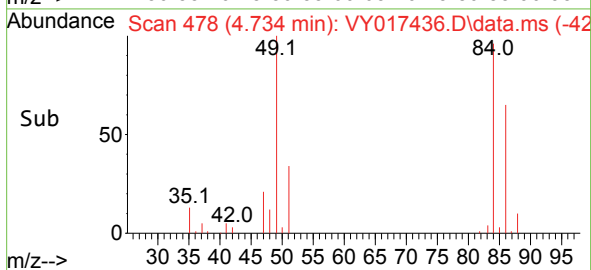
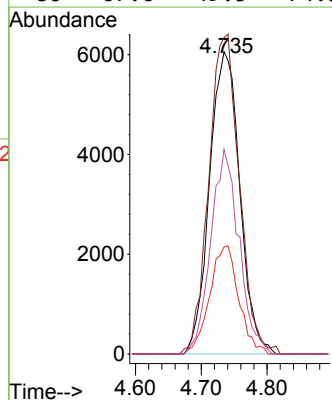
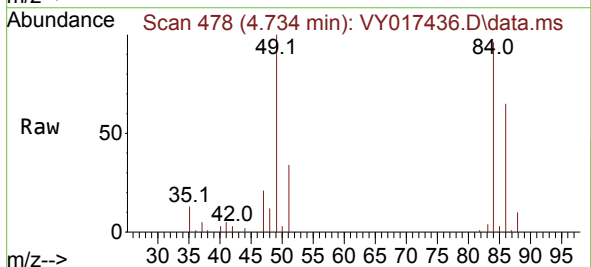
Instrument :
MSVOA_Y
ClientSampleId :
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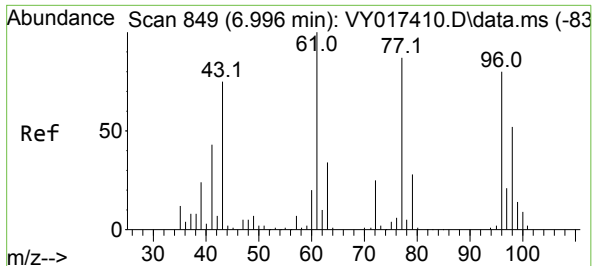
Tgt Ion: 43 Resp: 4861
Ion Ratio Lower Upper
43 100
58 25.1 31.7 47.5#



#20
Methylene Chloride
Concen: 10.289 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion: 84 Resp: 19400
Ion Ratio Lower Upper
84 100
49 104.7 84.4 126.6
51 35.4 26.0 39.0
86 67.6 49.5 74.3





#25

2-Butanone

Concen: 4.607 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

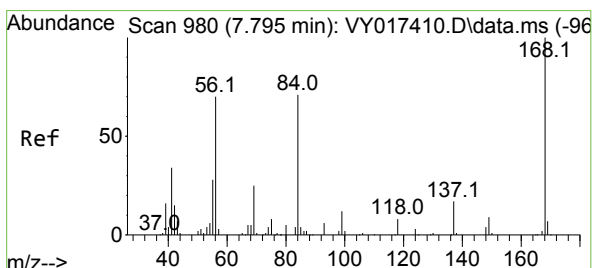
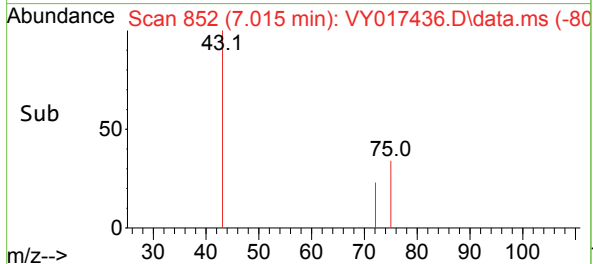
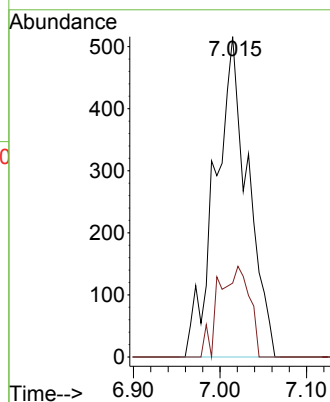
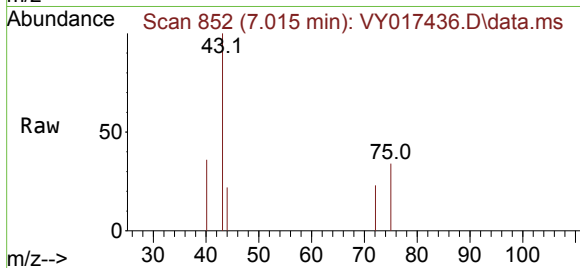
3

Tgt Ion: 43 Resp: 1352

Ion Ratio Lower Upper

43 100

72 23.1 27.3 40.9#



#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

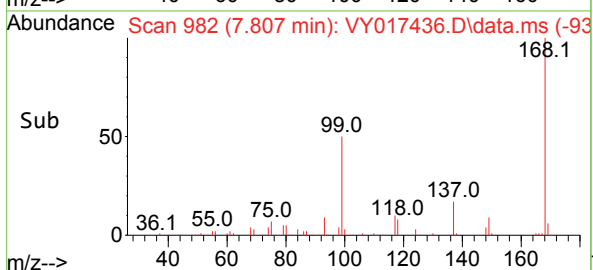
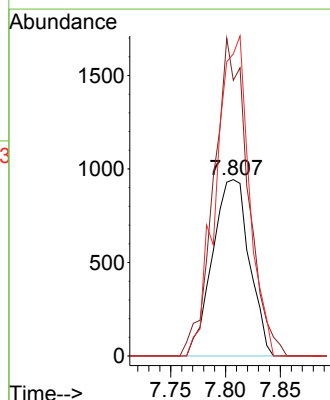
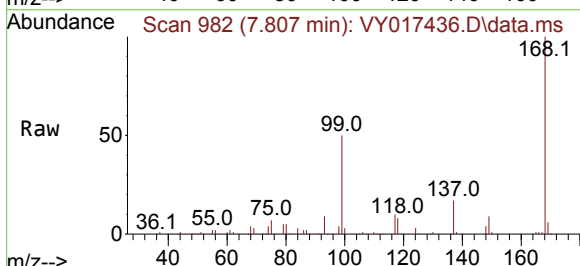
Tgt Ion: 56 Resp: 2208

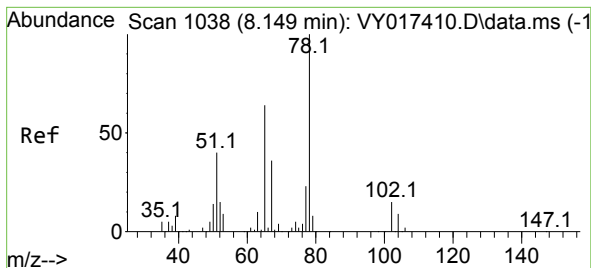
Ion Ratio Lower Upper

56 100

69 156.3 28.7 43.1#

84 171.3 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 43.678 ug/l

RT: 8.155 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

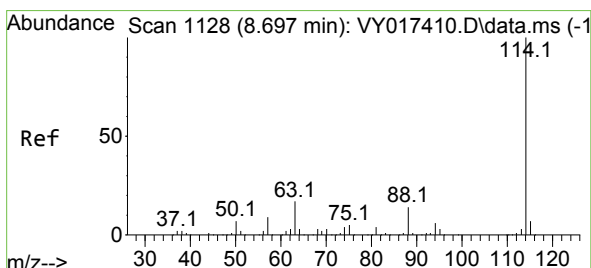
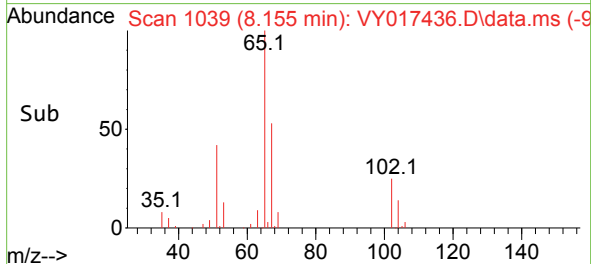
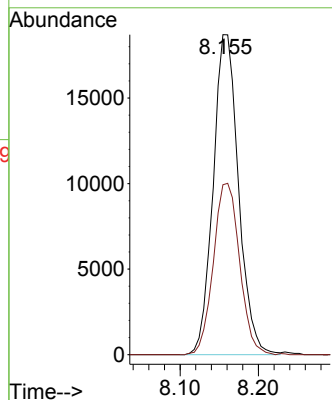
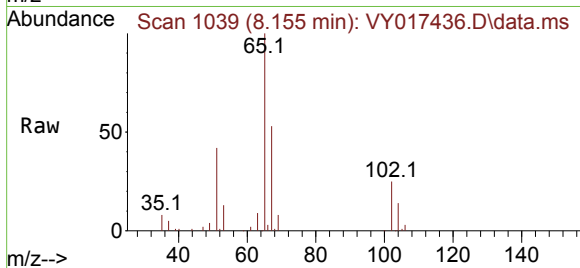
3

Tgt Ion: 65 Resp: 42162

Ion Ratio Lower Upper

65 100

67 55.1 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1130

Delta R.T. 0.012 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

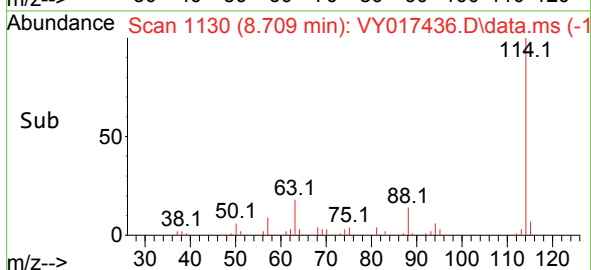
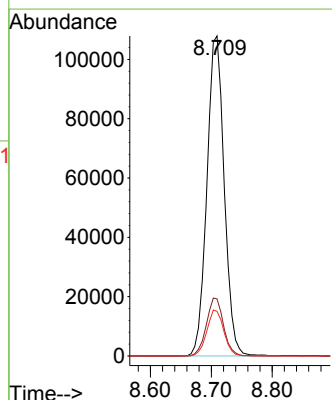
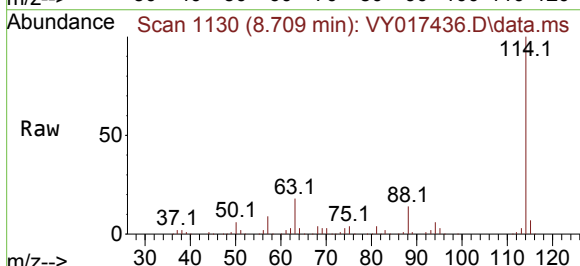
Tgt Ion: 114 Resp: 213048

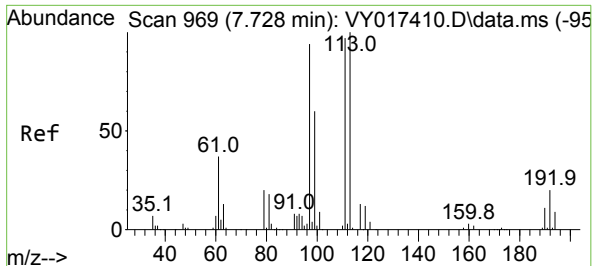
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 14.0 0.0 27.2





#35

Dibromofluoromethane

Concen: 40.766 ug/l

RT: 7.734 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

3

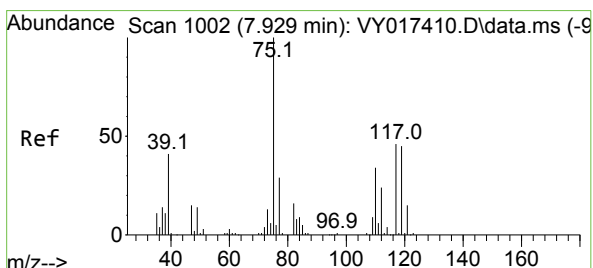
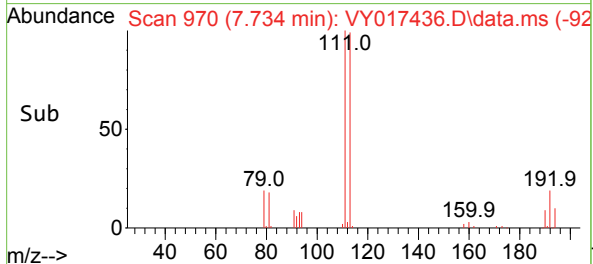
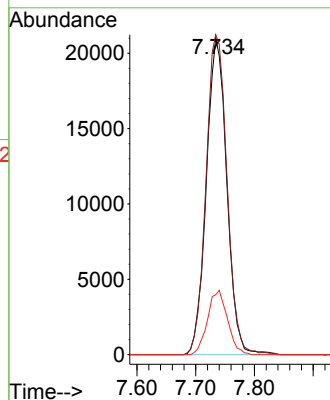
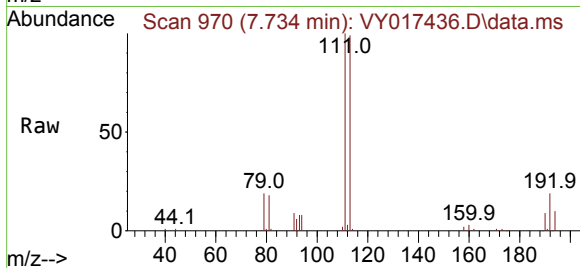
Tgt Ion:113 Resp: 50840

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 19.8 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.055 ug/l

RT: 7.807 min Scan# 982

Delta R.T. -0.122 min

Lab File: VY017436.D

Acq: 21 Feb 2024 14:31

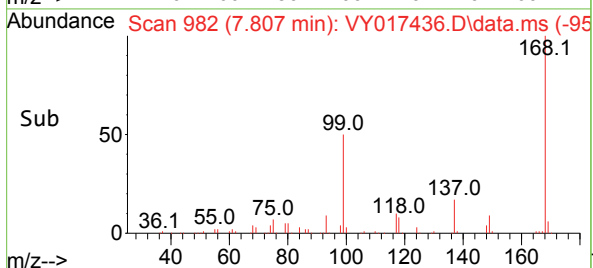
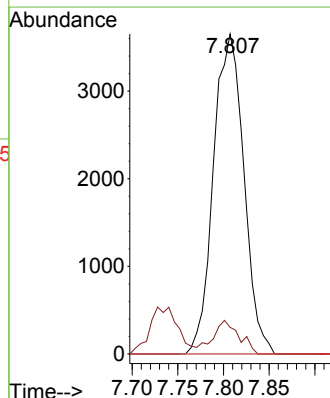
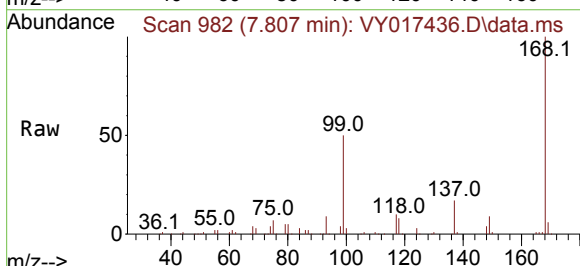
Tgt Ion: 75 Resp: 8445

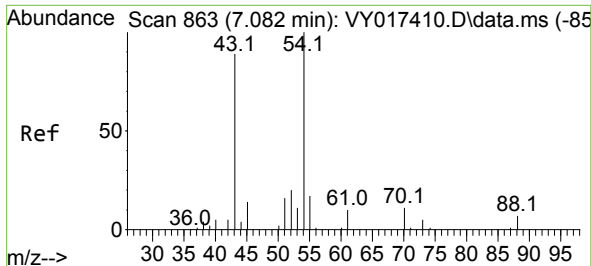
Ion Ratio Lower Upper

75 100

110 9.0 19.0 57.0#

77 0.0 25.3 37.9#

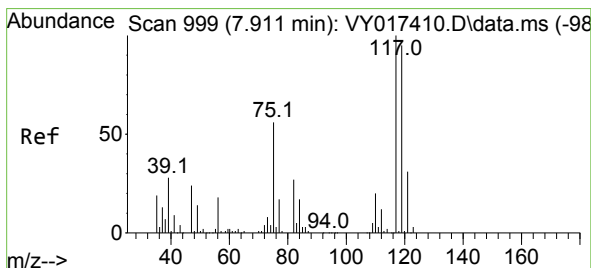
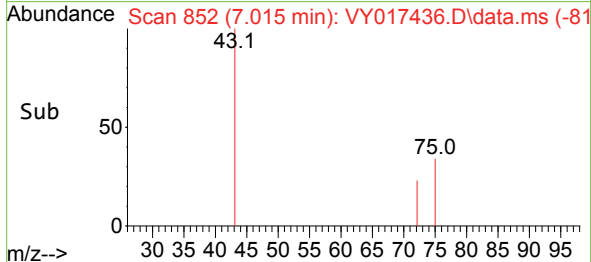
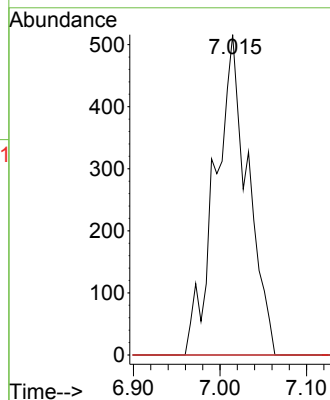
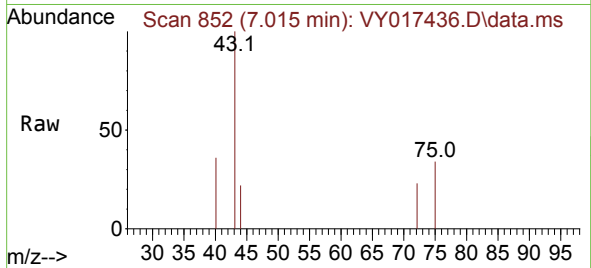




#37
Ethyl Acetate
Concen: 1.783 ug/l
RT: 7.015 min Scan# 81
Delta R.T. -0.067 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

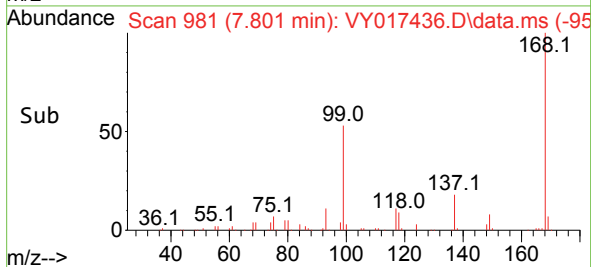
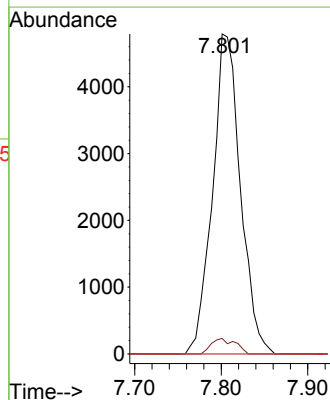
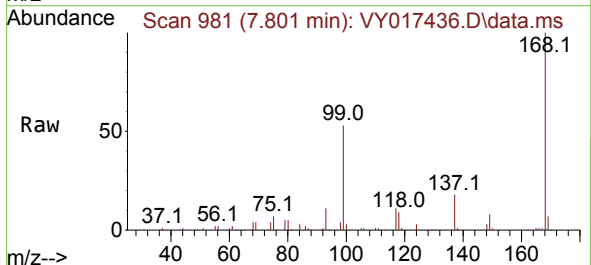
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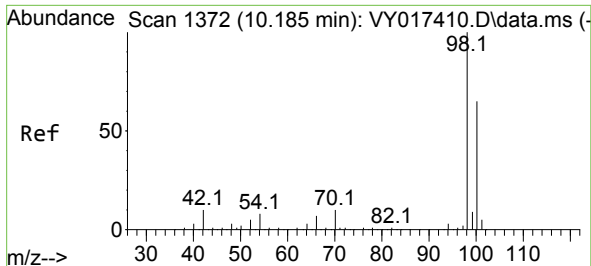
Tgt Ion: 43 Resp: 1352
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 5.169 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion: 117 Resp: 10719
Ion Ratio Lower Upper
117 100
119 4.8 75.8 113.6#
121 0.0 24.0 36.0#

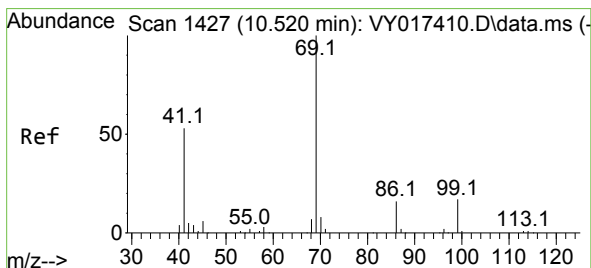
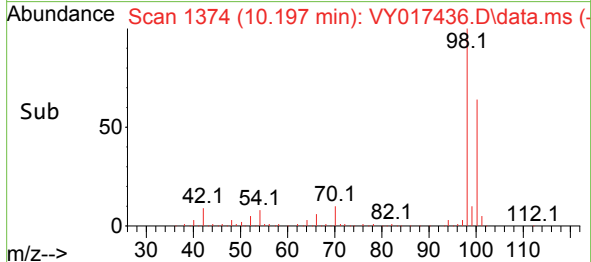
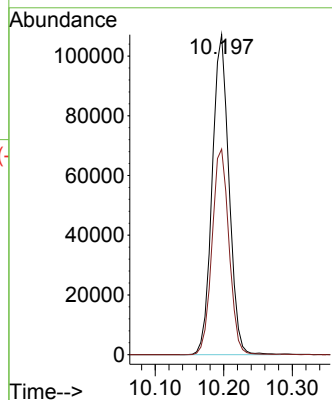
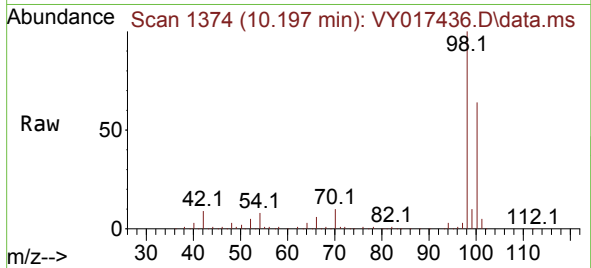




#50
Toluene-d8
Concen: 37.608 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

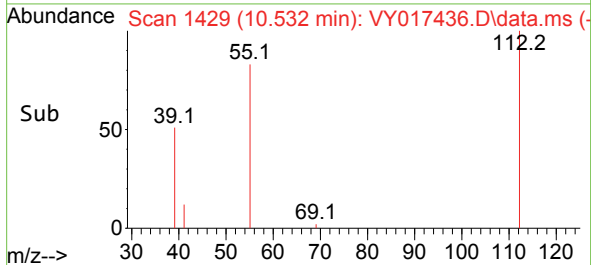
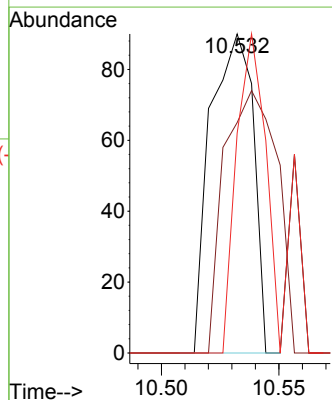
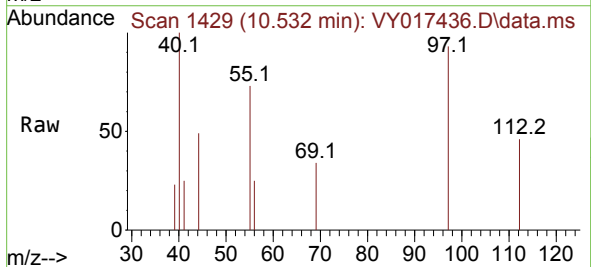
Instrument :
MSVOA_Y
ClientSampleId :
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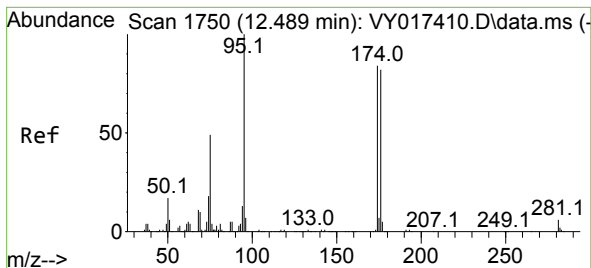
Tgt Ion: 98 Resp: 181901
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#56
Ethyl methacrylate
Concen: 3.783 ug/l
RT: 10.532 min Scan# 1429
Delta R.T. 0.012 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion: 69 Resp: 114
Ion Ratio Lower Upper
69 100
41 101.8 42.3 63.5#
39 86.0 22.9 34.3#

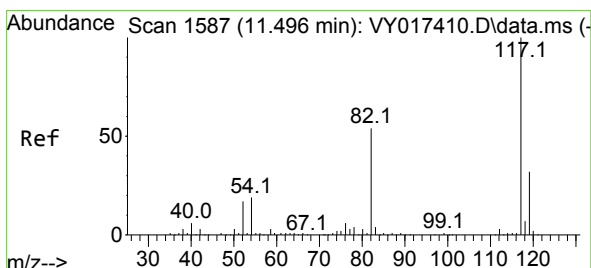
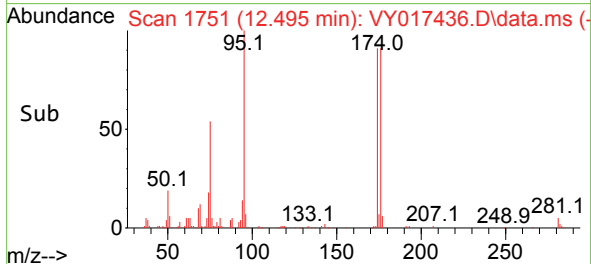
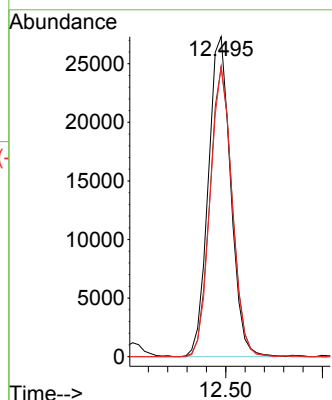
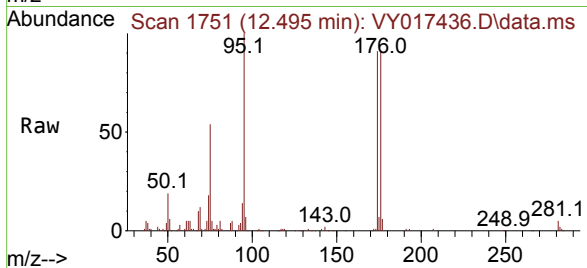




#62
4-Bromofluorobenzene
Concen: 28.068 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

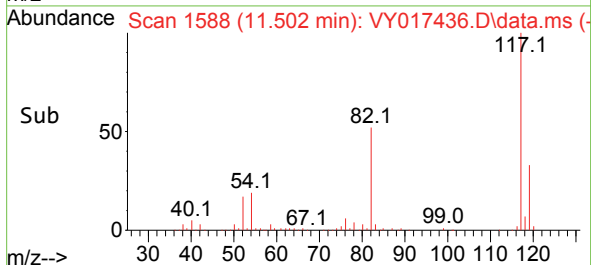
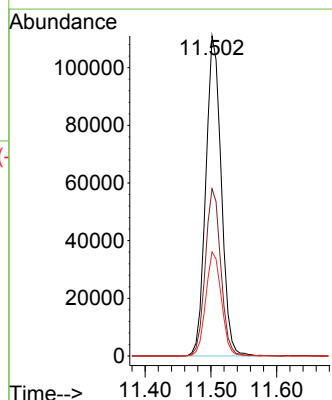
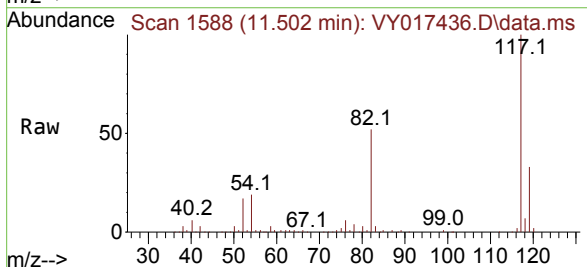
Instrument :
MSVOA_Y
ClientSampleId :
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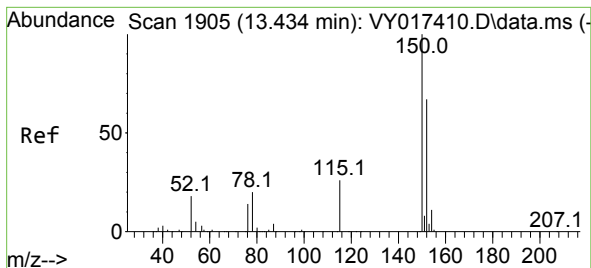
Tgt Ion: 95 Resp: 44010
Ion Ratio Lower Upper
95 100
174 90.1 0.0 175.6
176 88.2 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion: 117 Resp: 181856
Ion Ratio Lower Upper
117 100
82 52.3 42.4 63.6
119 32.5 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: VY017436.D

Acq: 21 Feb 2024 14:31

Instrument :

MSVOA_Y

ClientSampleId :

3

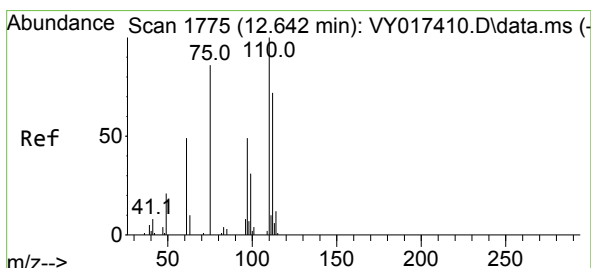
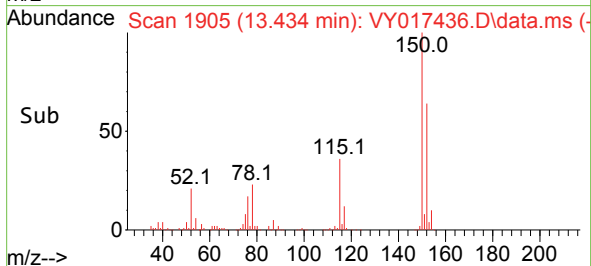
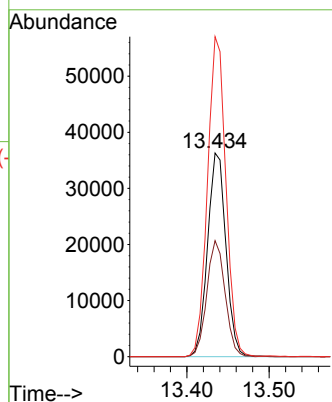
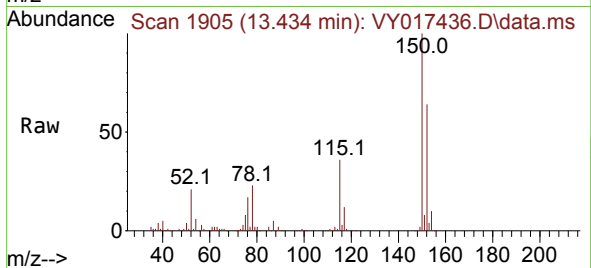
Tgt Ion:152 Resp: 56212

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 157.3 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 42.348 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017436.D

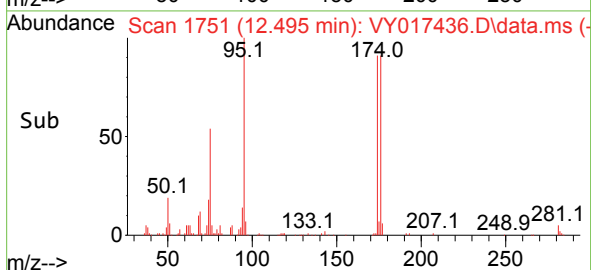
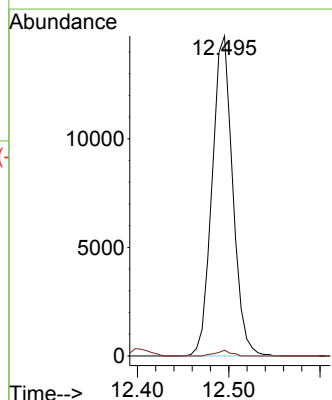
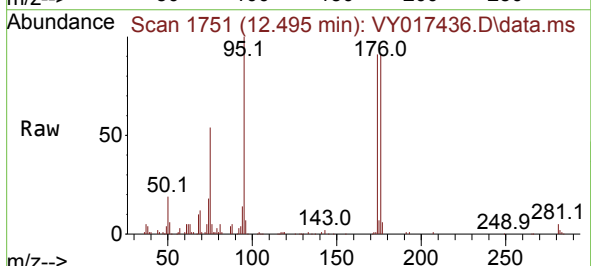
Acq: 21 Feb 2024 14:31

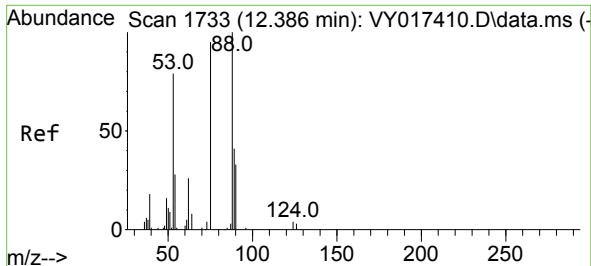
Tgt Ion: 75 Resp: 23081

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

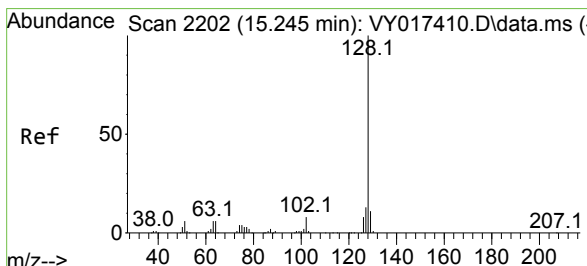
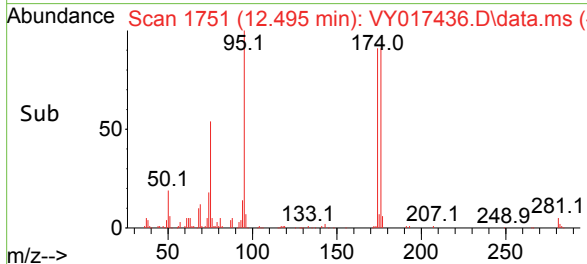
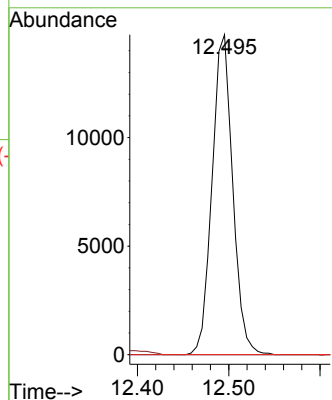
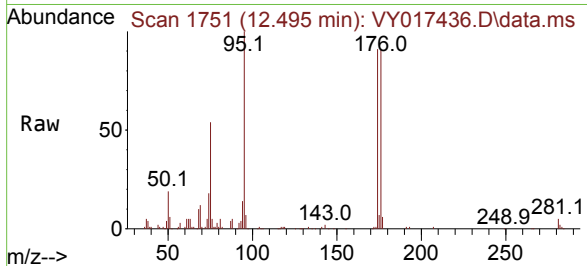




#81
trans-1,4-Dichloro-2-butene
Concen: 98.737 ug/l
RT: 12.495 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Instrument :
MSVOA_Y
ClientSampleId :
3

Tgt Ion: 75 Resp: 23081
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.904 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY017436.D
Acq: 21 Feb 2024 14:31

Tgt Ion:128 Resp: 659
Ion Ratio Lower Upper
128 100
127 7.0 10.6 16.0#
129 0.0 8.6 13.0#

