

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017446.D
 Acq On : 21 Feb 2024 18:26
 Operator : SY/MD
 Sample : P1537-13
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 13

Quant Time: Feb 22 03:41:46 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)

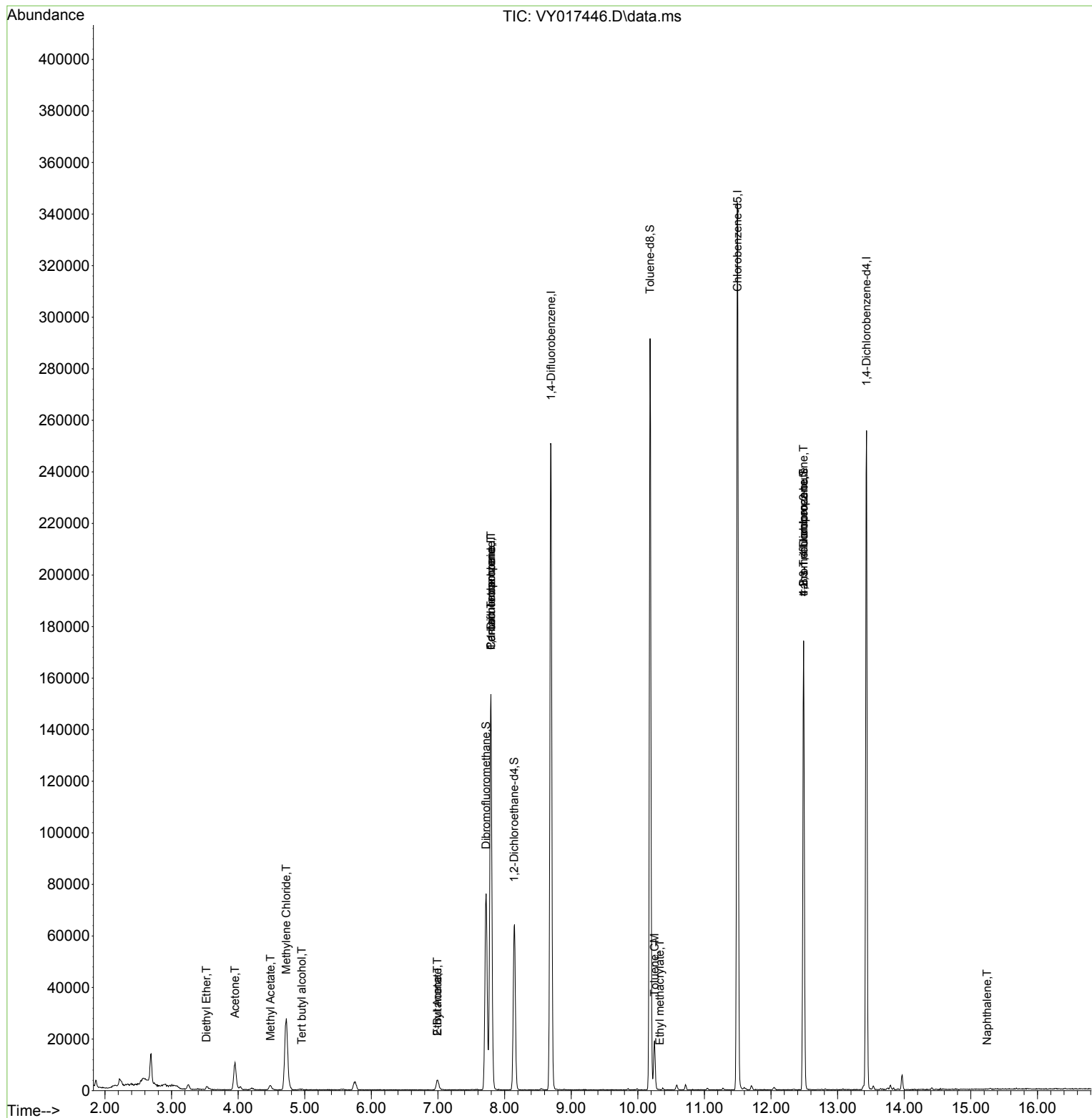
Internal Standards						
1) Pentafluorobenzene	7.795	168	127882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	233182	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	201695	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	70275	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	48978	44.832	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.660%
35) Dibromofluoromethane	7.722	113	55742	40.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.680%
50) Toluene-d8	10.185	98	193592	36.570	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	73.140%
62) 4-Bromofluorobenzene	12.489	95	50064	29.104	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	58.200%
Target Compounds						
					Qvalue	
5) Bromomethane	2.650	94	484	Below Cal	#	66
8) Diethyl Ether	3.521	74	754	1.148	ug/l	84
11) Tert butyl alcohol	4.954	59	367	4.320	ug/l #	88
16) Acetone	3.954	43	17966	75.934	ug/l	88
18) Methyl Acetate	4.485	43	3148	5.867	ug/l	99
20) Methylene Chloride	4.722	84	22838	10.979	ug/l	95
25) 2-Butanone	6.990	43	6257	18.840	ug/l	99
36) 1,1-Dichloropropene	7.795	75	8550	3.751	ug/l #	48
37) Ethyl Acetate	6.990	43	6257	7.538	ug/l #	67
38) Carbon Tetrachloride	7.795	117	11582	5.103	ug/l #	16
52) Toluene	10.252	92	8156	1.961	ug/l	98
56) Ethyl methacrylate	10.331	69	60	3.743	ug/l #	33
76) 1,2,3-Trichloropropane	12.489	75	23677	34.749	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	23677	81.018	ug/l #	16
95) Naphthalene	15.245	128	121	3.593	ug/l #	69

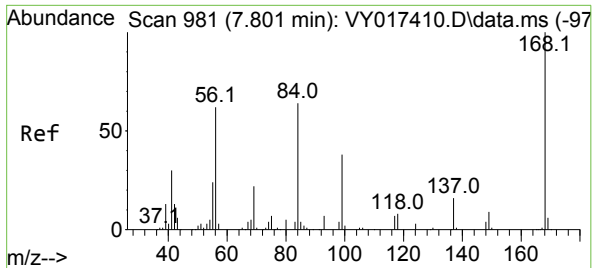
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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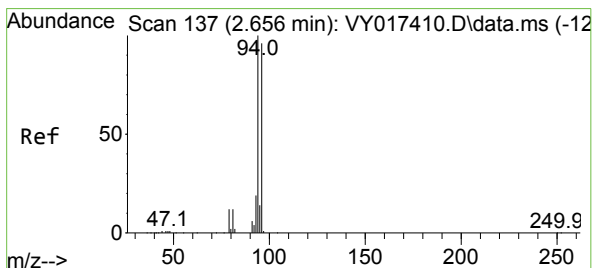
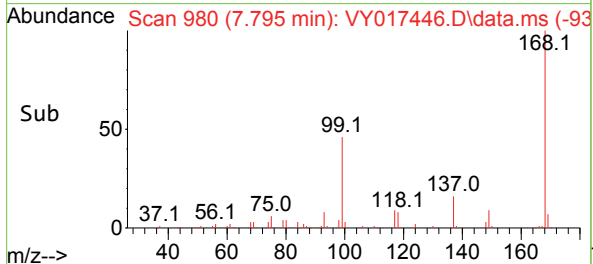
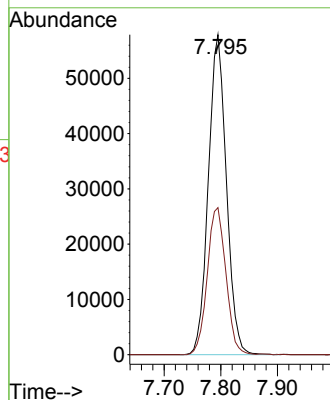
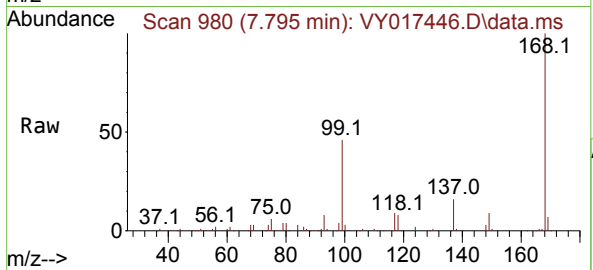




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

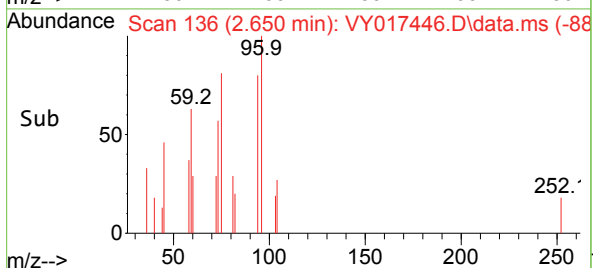
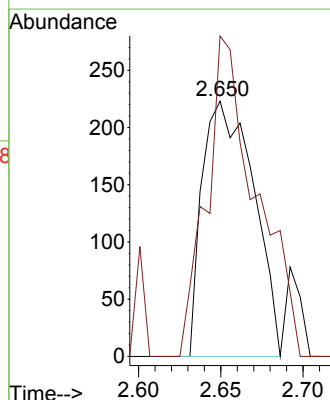
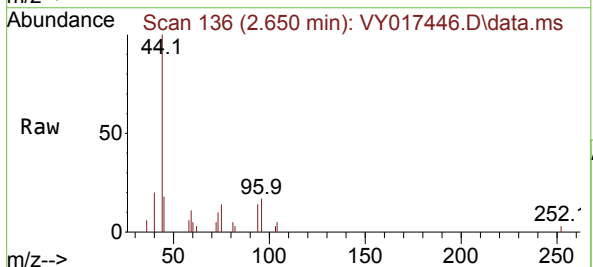
Instrument :
MSVOA_Y
ClientSampleId :
13

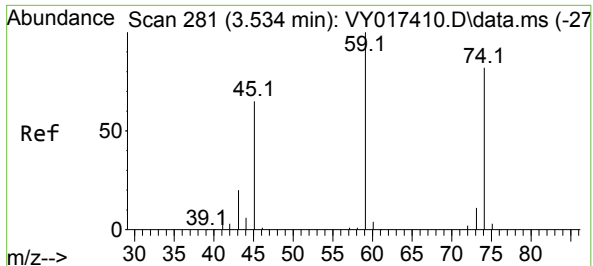
Tgt Ion:168 Resp: 127882
Ion Ratio Lower Upper
168 100
99 46.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 94 Resp: 484
Ion Ratio Lower Upper
94 100
96 125.6 74.1 111.1#

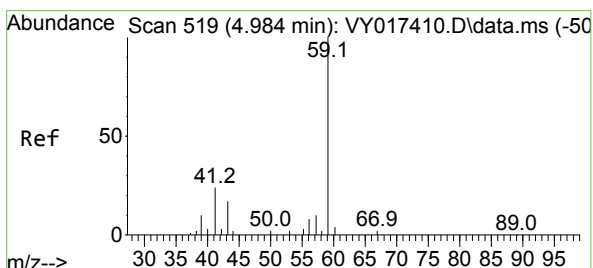
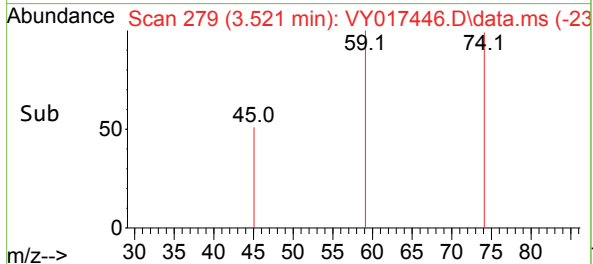
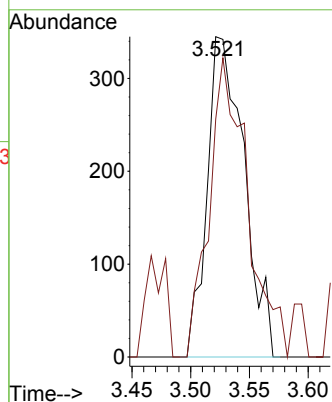
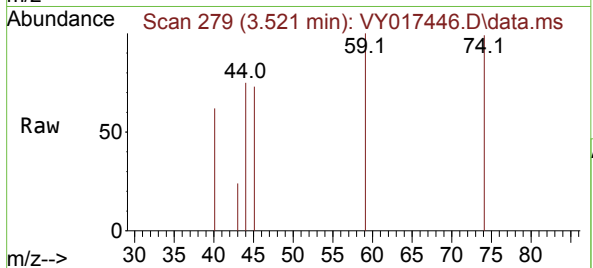




#8
Diethyl Ether
Concen: 1.148 ug/l
RT: 3.521 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

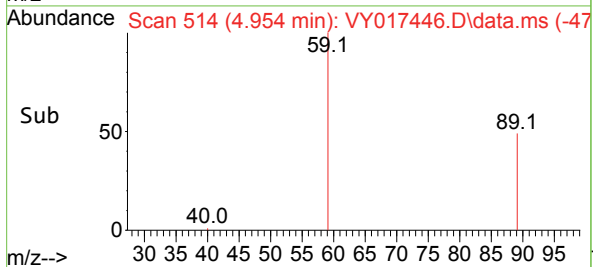
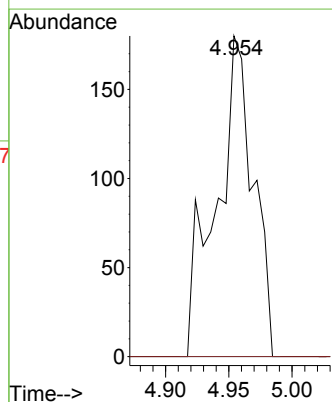
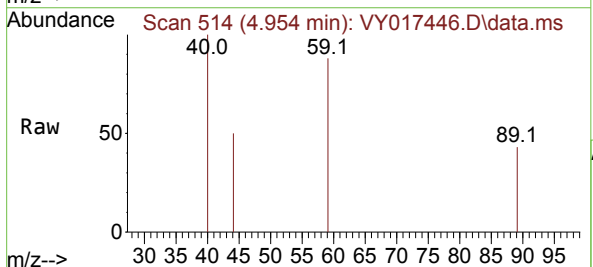
Instrument :
MSVOA_Y
ClientSampleId :
13

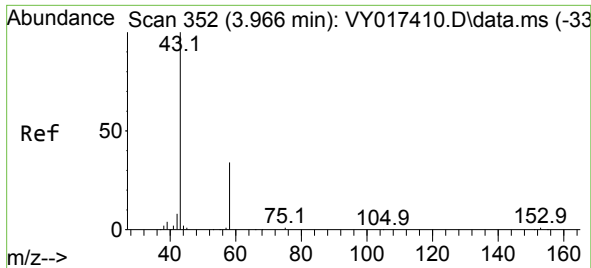
Tgt Ion: 74 Resp: 754
Ion Ratio Lower Upper
74 100
45 97.1 41.3 124.1



#11
Tert butyl alcohol
Concen: 4.320 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.030 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 59 Resp: 367
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

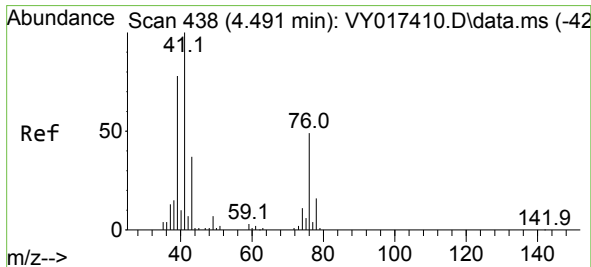
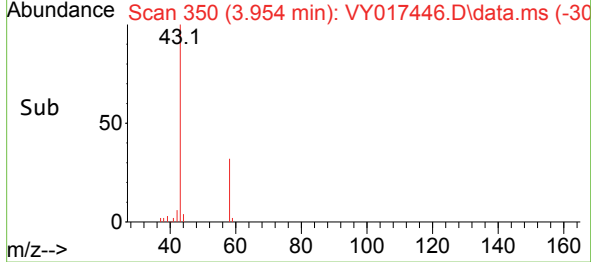
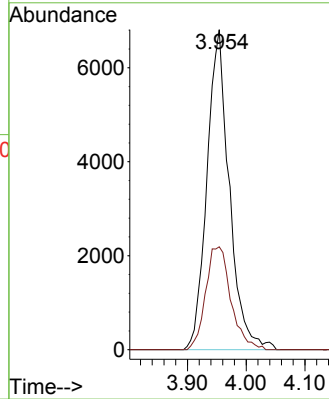
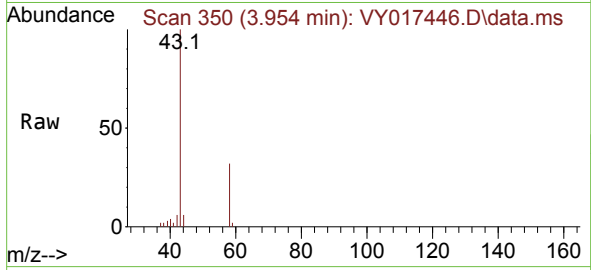




#16
Acetone
Concen: 75.934 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

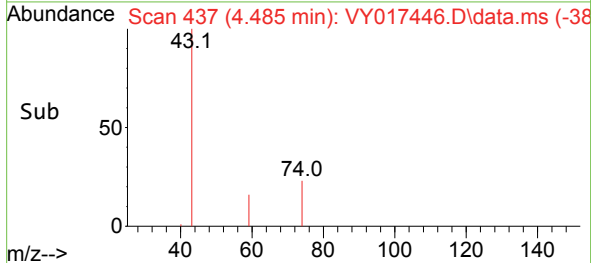
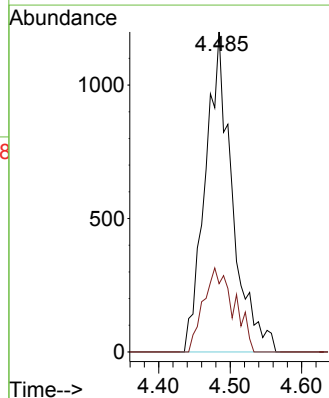
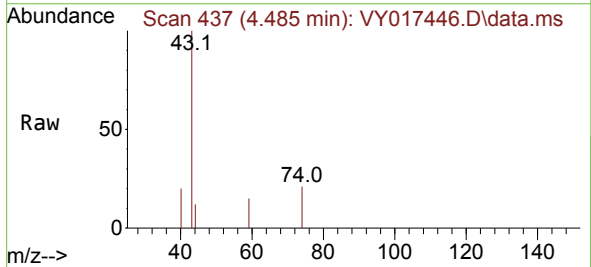
Instrument :
MSVOA_Y
ClientSampleId :
13

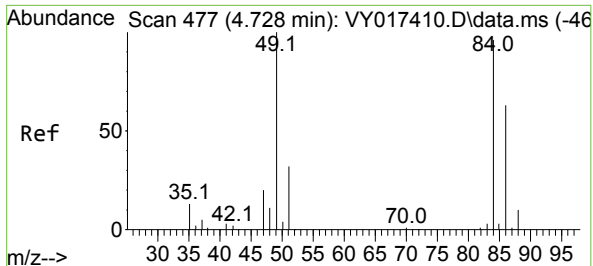
Tgt Ion: 43 Resp: 17966
Ion Ratio Lower Upper
43 100
58 32.2 31.7 47.5



#18
Methyl Acetate
Concen: 5.867 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 43 Resp: 3148
Ion Ratio Lower Upper
43 100
74 29.5 23.3 34.9

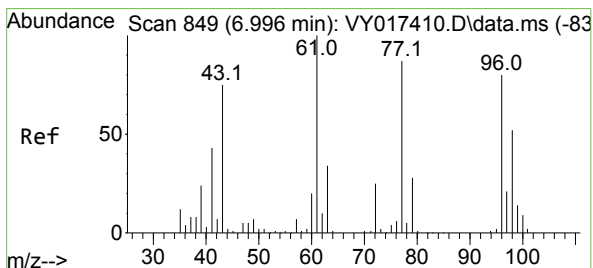
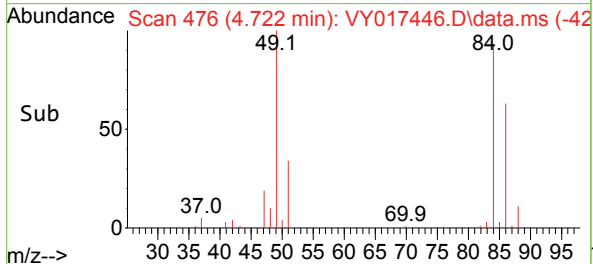
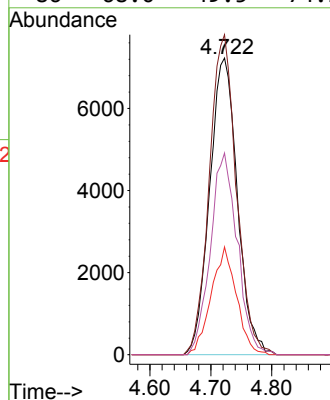
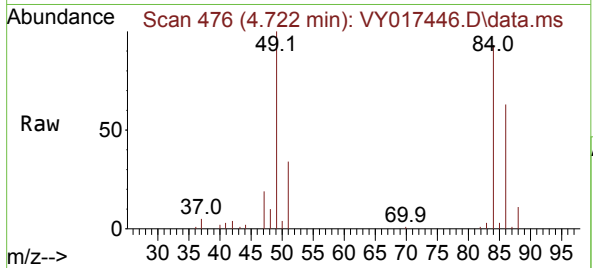




#20
Methylene Chloride
Concen: 10.979 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

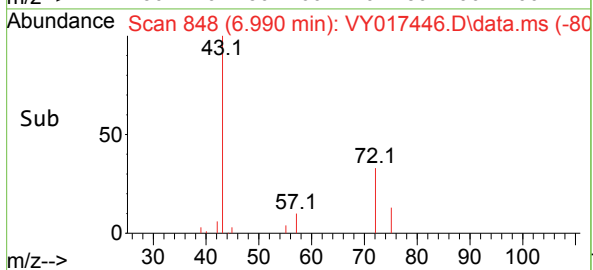
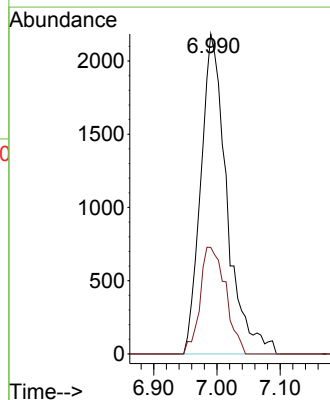
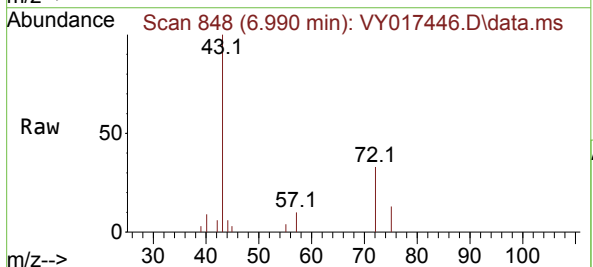
Instrument :
MSVOA_Y
ClientSampleId :
13

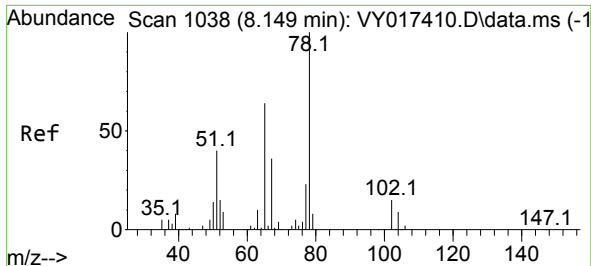
Tgt Ion: 84	Resp: 22838
Ion Ratio	Lower Upper
84 100	
49 107.9	84.4 126.6
51 36.3	26.0 39.0
86 68.0	49.5 74.3



#25
2-Butanone
Concen: 18.840 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 43	Resp: 6257		
Ion Ratio	Lower	Upper	
43 100			
72 33.3	27.3	40.9	





#33

1,2-Dichloroethane-d4

Concen: 44.832 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

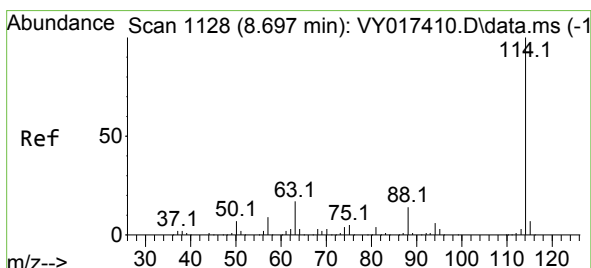
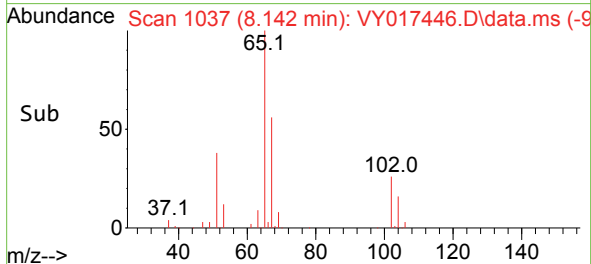
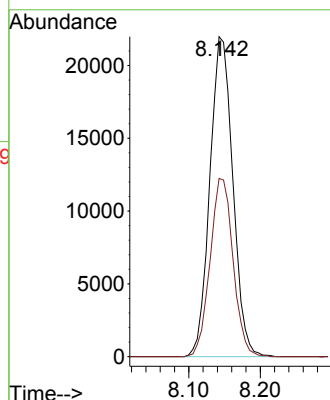
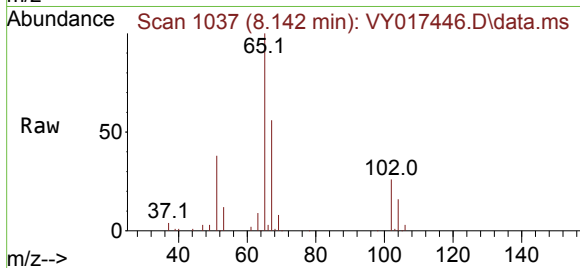
13

Tgt Ion: 65 Resp: 48978

Ion Ratio Lower Upper

65 100

67 55.8 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: VY017446.D

Acq: 21 Feb 2024 18:26

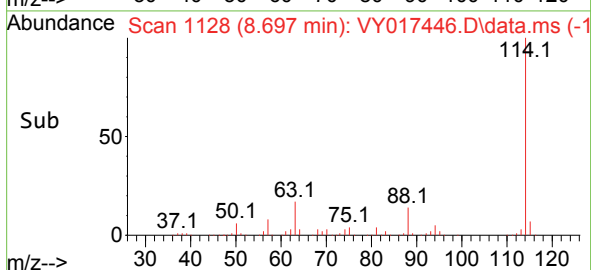
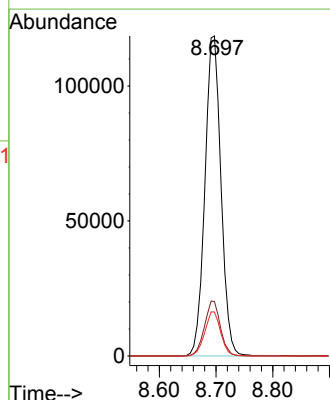
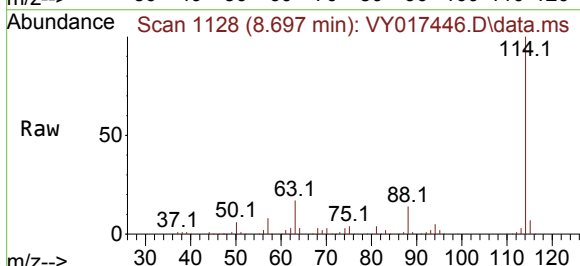
Tgt Ion: 114 Resp: 233182

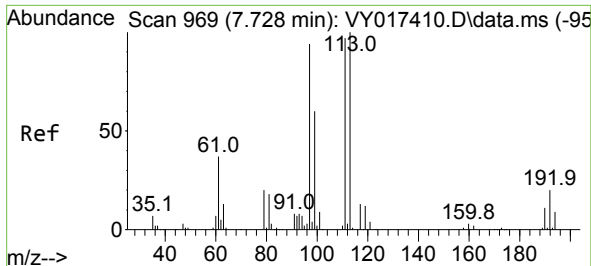
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.7 0.0 27.2

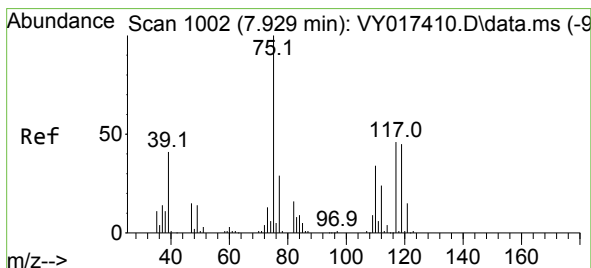
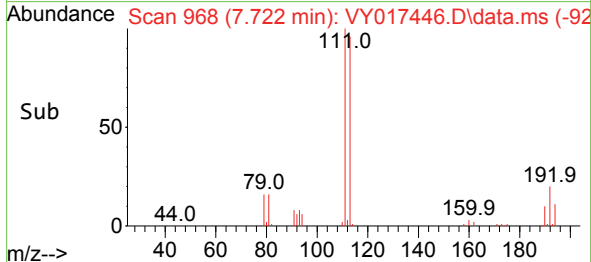
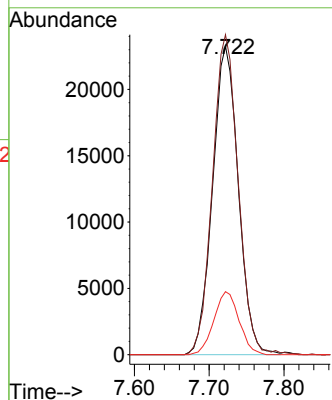
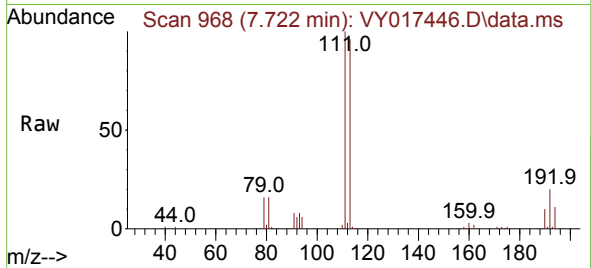




#35
Dibromofluoromethane
Concen: 40.838 ug/l
RT: 7.722 min Scan# 913
Delta R.T. -0.006 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

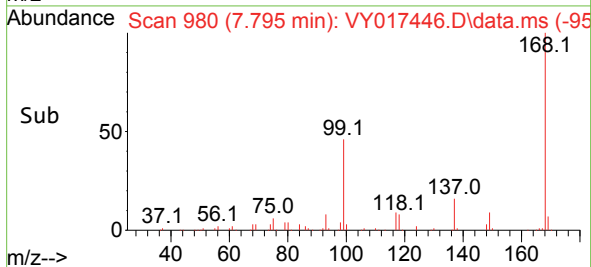
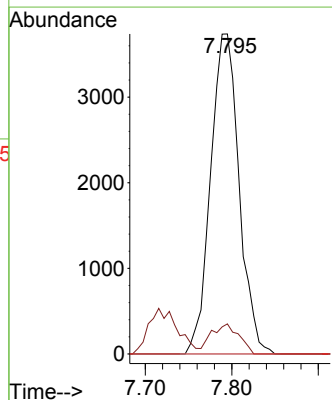
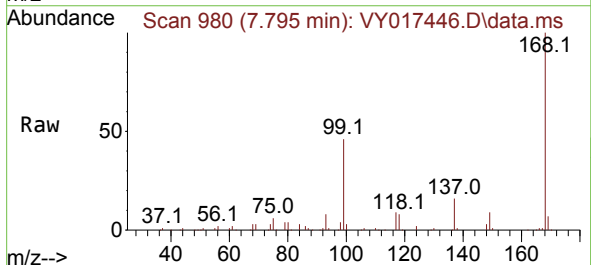
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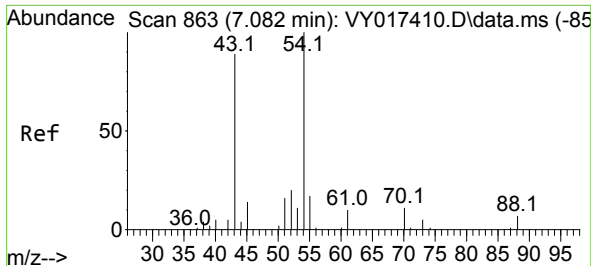
Tgt Ion:113 Resp: 55742
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.4
192 20.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.751 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.134 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 75 Resp: 8550
Ion Ratio Lower Upper
75 100
110 9.0 19.0 57.0#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 7.538 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.091 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

13

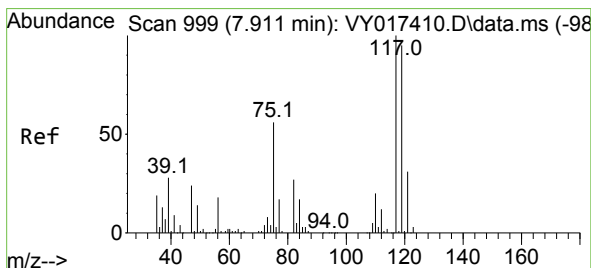
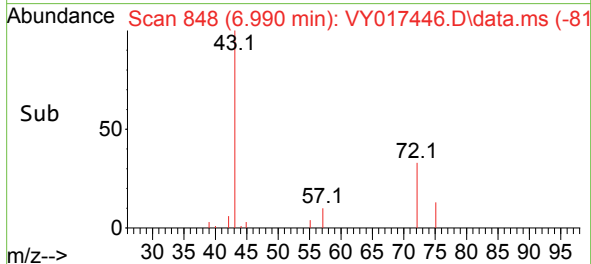
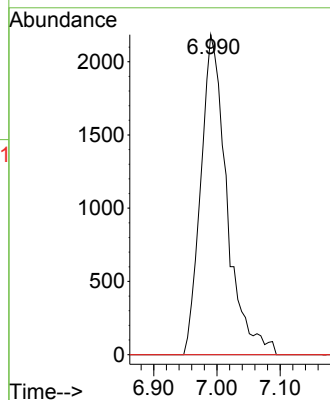
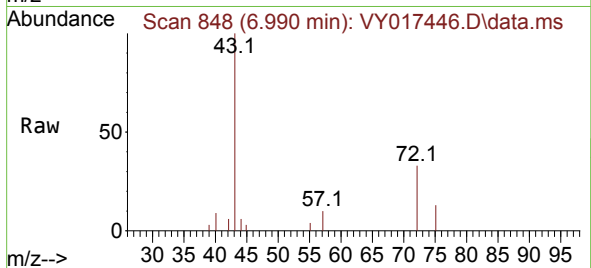
Tgt Ion: 43 Resp: 6257

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.103 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.116 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

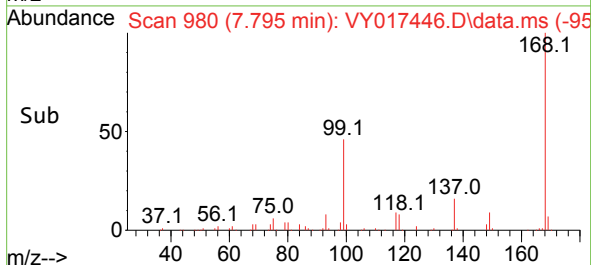
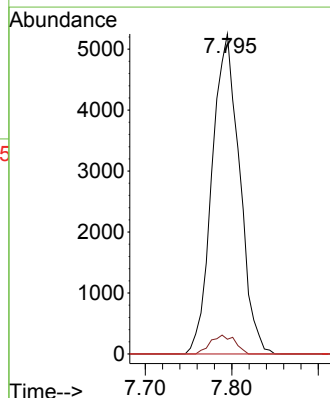
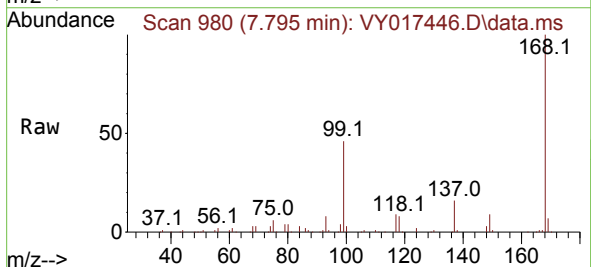
Tgt Ion: 117 Resp: 11582

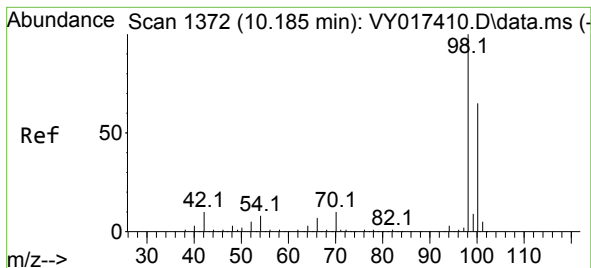
Ion Ratio Lower Upper

117 100

119 4.6 75.8 113.6#

121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 36.570 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

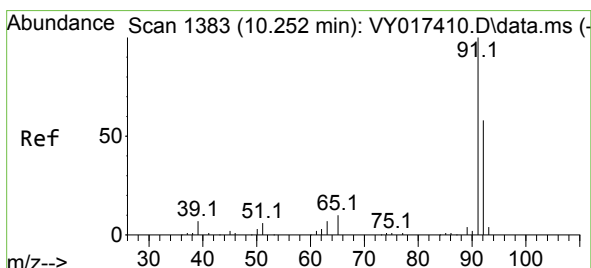
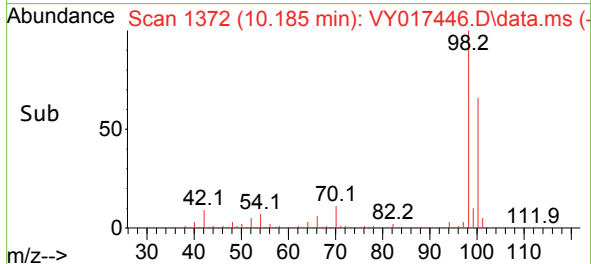
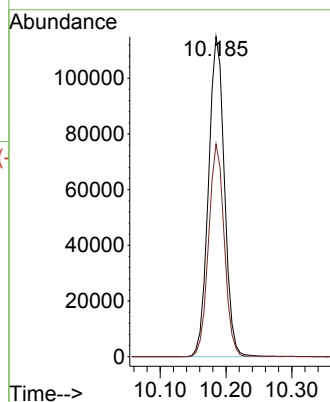
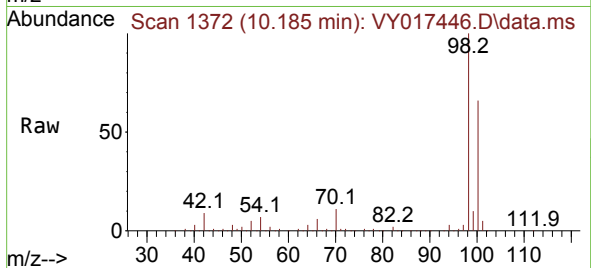
13

Tgt Ion: 98 Resp: 193592

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#52

Toluene

Concen: 1.961 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VY017446.D

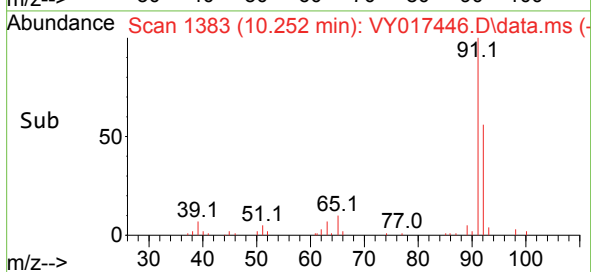
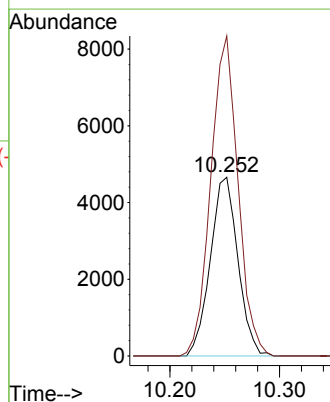
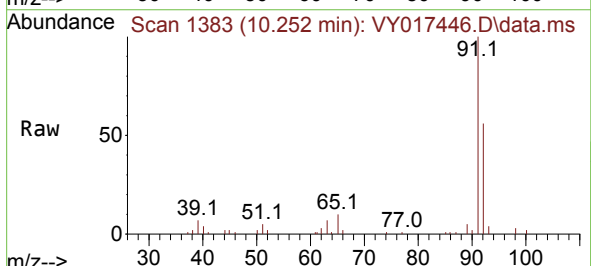
Acq: 21 Feb 2024 18:26

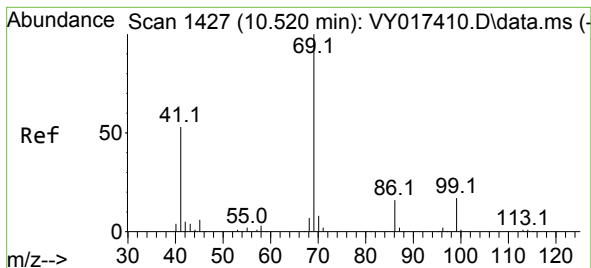
Tgt Ion: 92 Resp: 8156

Ion Ratio Lower Upper

92 100

91 176.4 139.0 208.6





#56

Ethyl methacrylate

Concen: 3.743 ug/l

RT: 10.331 min Scan# 11

Delta R.T. -0.189 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

Instrument :

MSVOA_Y

ClientSampleId :

13

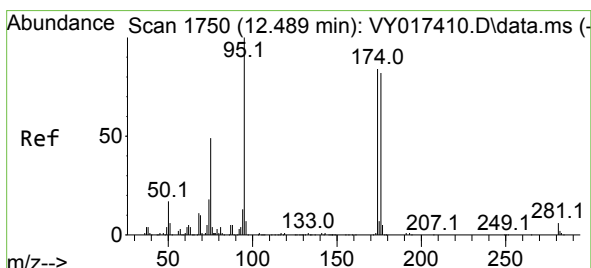
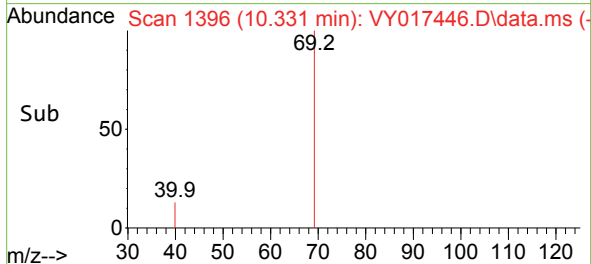
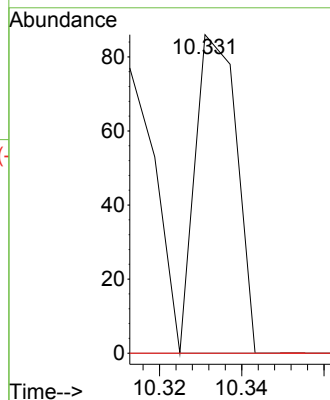
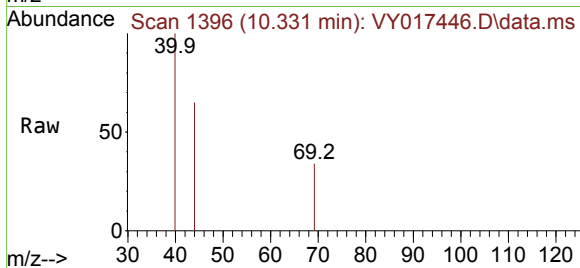
Tgt Ion: 69 Resp: 60

Ion Ratio Lower Upper

69 100

41 0.0 42.3 63.5#

39 0.0 22.9 34.3#



#62

4-Bromofluorobenzene

Concen: 29.104 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017446.D

Acq: 21 Feb 2024 18:26

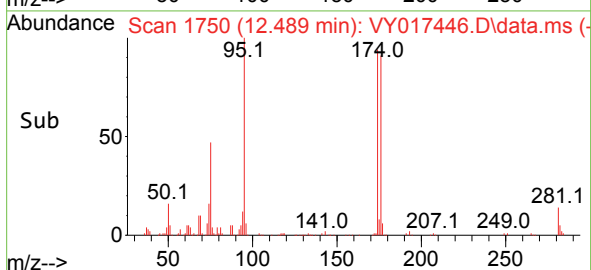
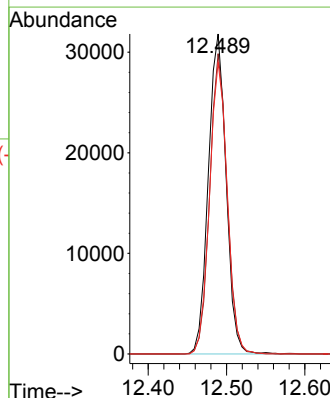
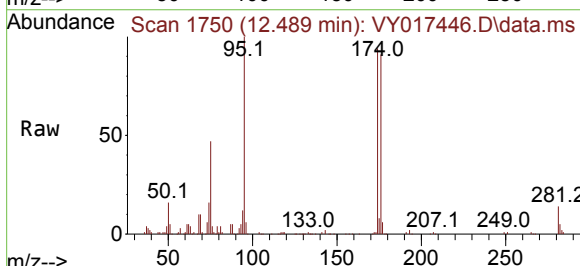
Tgt Ion: 95 Resp: 50064

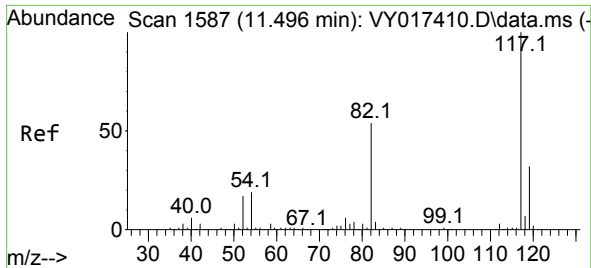
Ion Ratio Lower Upper

95 100

174 91.8 0.0 175.6

176 91.0 0.0 171.4

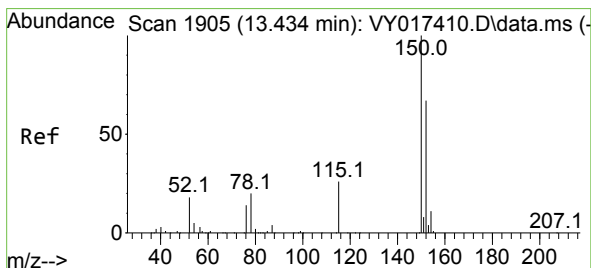
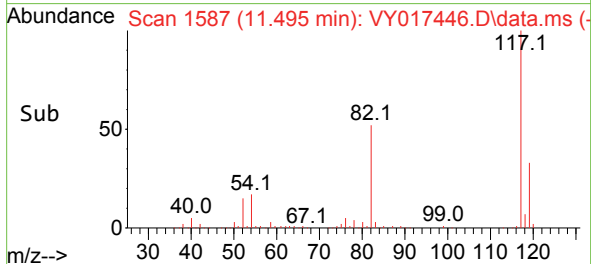
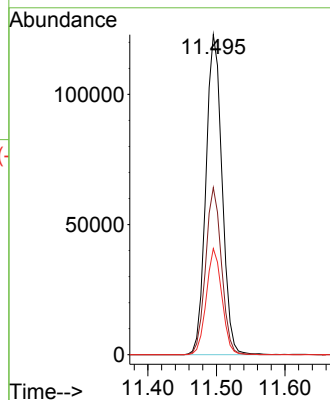
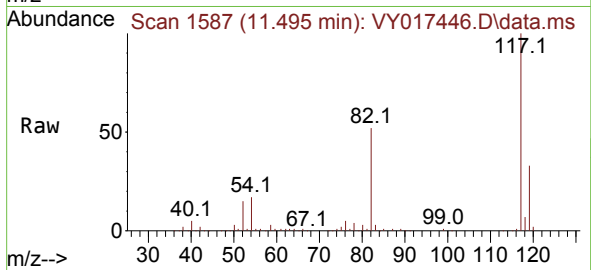




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

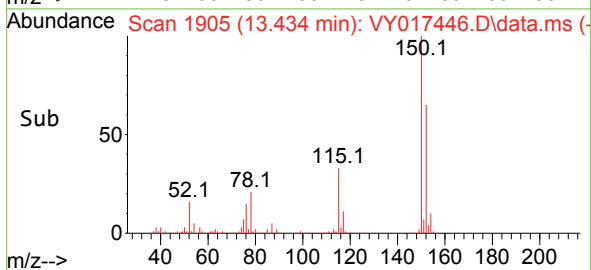
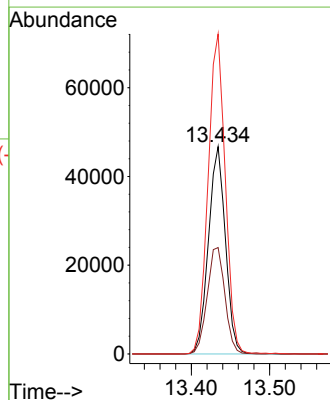
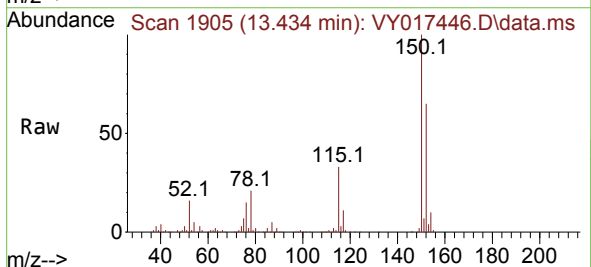
Instrument :
MSVOA_Y
ClientSampleId :
13

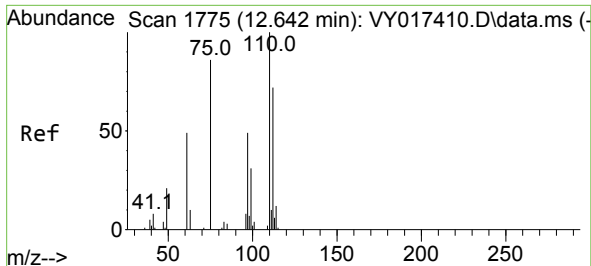
Tgt Ion:117 Resp: 201695
Ion Ratio Lower Upper
117 100
82 52.2 42.4 63.6
119 33.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion:152 Resp: 70275
Ion Ratio Lower Upper
152 100
115 53.5 28.2 84.7
150 155.7 0.0 345.6

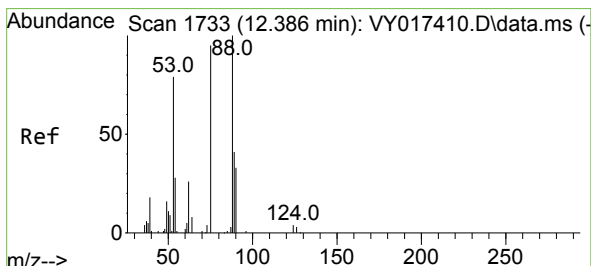
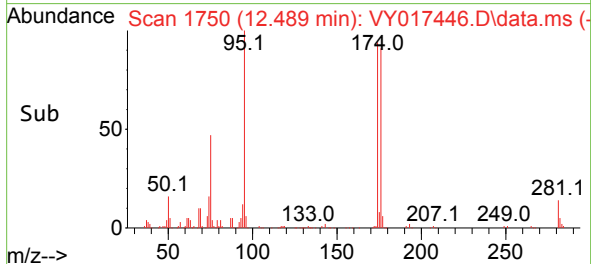
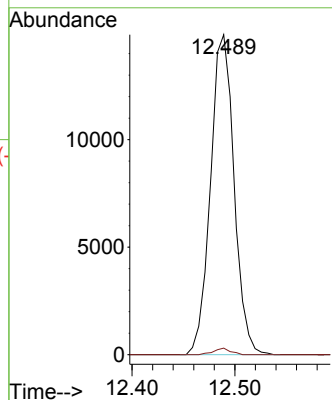
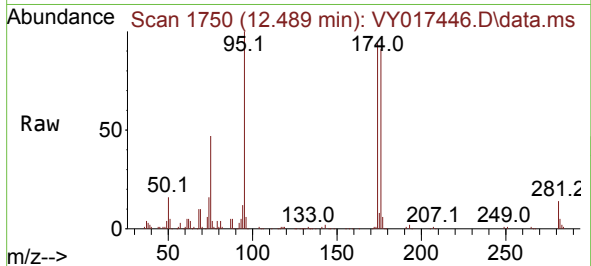




#76
1,2,3-Trichloropropane
Concen: 34.749 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

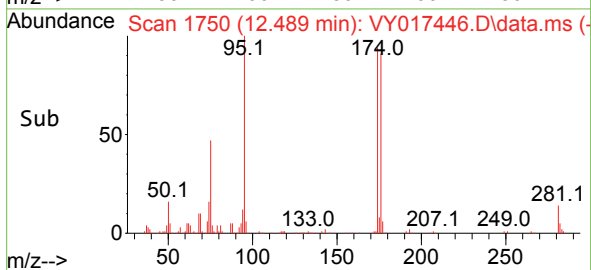
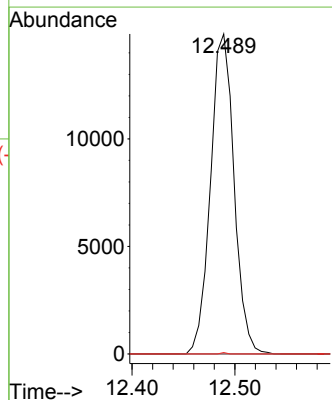
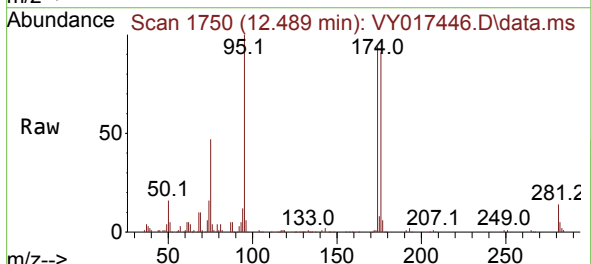
Instrument :
MSVOA_Y
ClientSampleId :
13

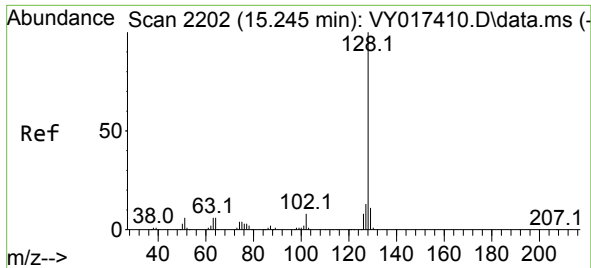
Tgt Ion: 75 Resp: 23677
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.018 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Tgt Ion: 75 Resp: 23677
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 3.593 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY017446.D
Acq: 21 Feb 2024 18:26

Instrument :
MSVOA_Y
ClientSampleId :
13

Tgt Ion:128 Resp: 121
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

