

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013423.D
 Acq On : 25 Apr 2023 03:04
 Operator : KP/MD
 Sample : 02427-04
 Misc : 3.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20230314-30-4

Quant Time: Apr 25 07:14:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

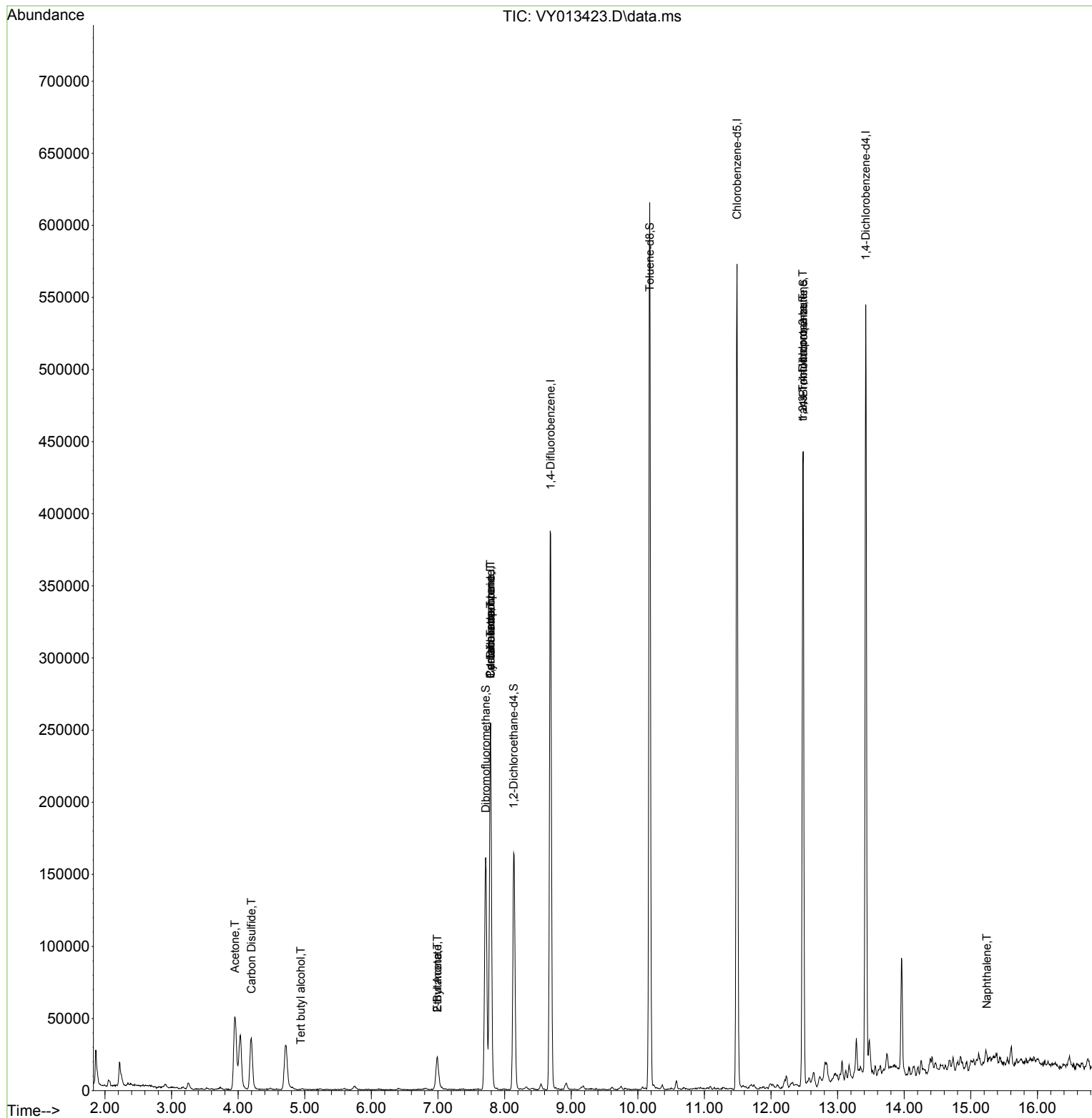
Internal Standards						
1) Pentafluorobenzene	7.789	168	192238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330294	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	303653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	133192	63.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.400%	
35) Dibromofluoromethane	7.716	113	112446	54.128	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.260%	
50) Toluene-d8	10.179	98	398694	53.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.900%	
62) 4-Bromofluorobenzene	12.483	95	128964	51.764	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.520%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	328	2.028	ug/l #	89
13) Acrolein	3.735	56	1515	Below Cal	#	59
16) Acetone	3.954	43	108552	130.802	ug/l	97
17) Carbon Disulfide	4.198	76	74795	11.525	ug/l	97
25) 2-Butanone	6.990	43	34235	32.528	ug/l	97
31) Cyclohexane	7.789	56	4274	1.133	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	15271	4.429	ug/l #	48
37) Ethyl Acetate	6.990	43	34235	13.195	ug/l #	70
38) Carbon Tetrachloride	7.789	117	18719	5.180	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	66475	36.797	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	66475	75.270	ug/l #	13
95) Naphthalene	15.239	128	6455	1.181	ug/l #	94

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

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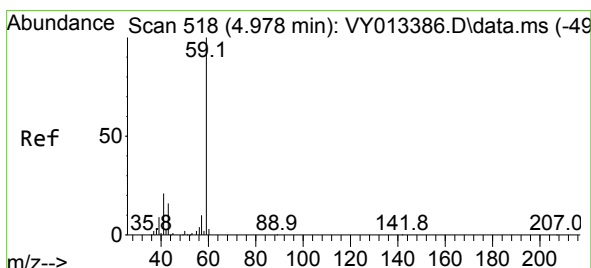
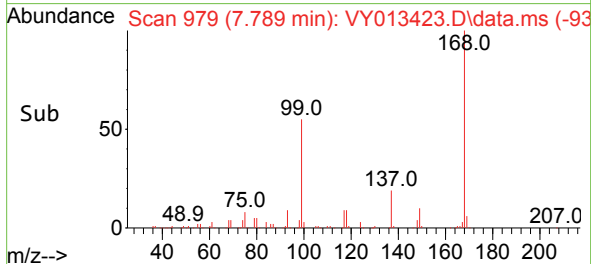
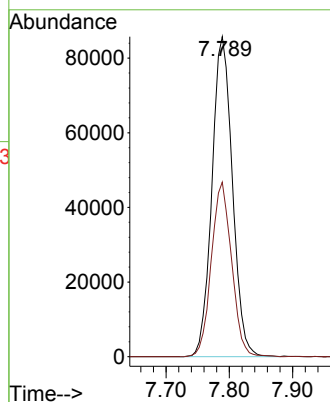
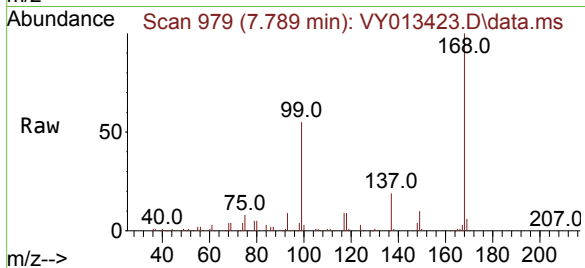




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

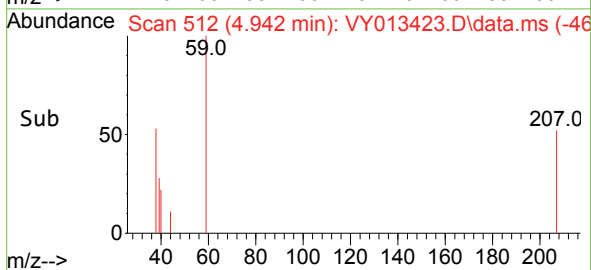
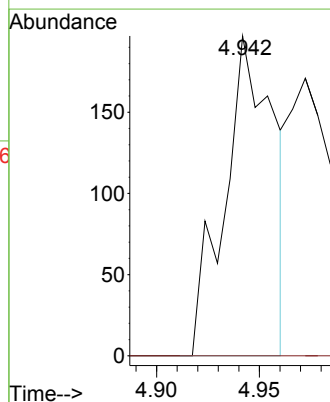
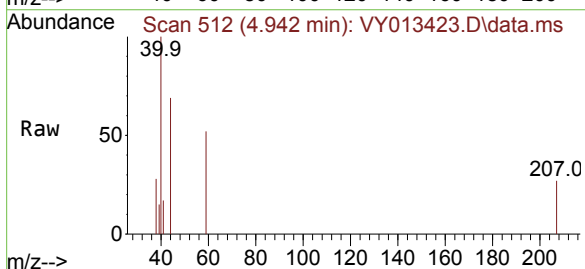
Instrument :
MSVOA_Y
ClientSampleId :
20230314-30-4

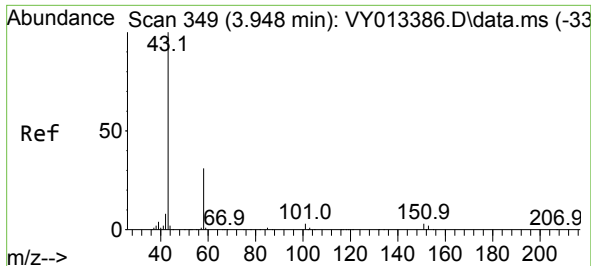
Tgt Ion:168 Resp: 192238
Ion Ratio Lower Upper
168 100
99 54.5 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.028 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.036 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion: 59 Resp: 328
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 130.802 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY013423.D

Acq: 25 Apr 2023 03:04

Instrument :

MSVOA_Y

ClientSampleId :

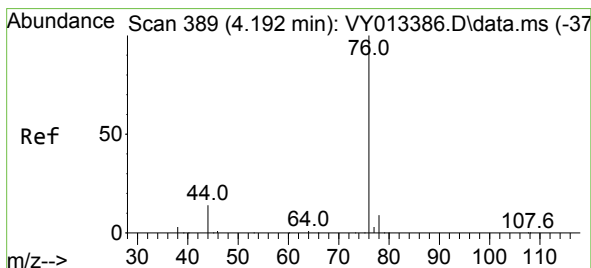
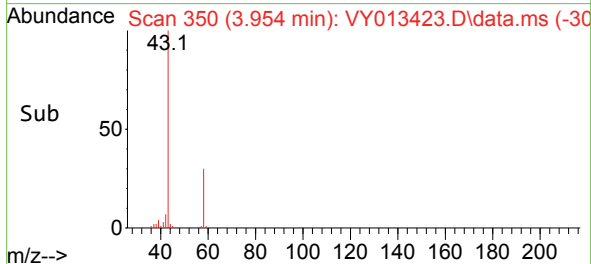
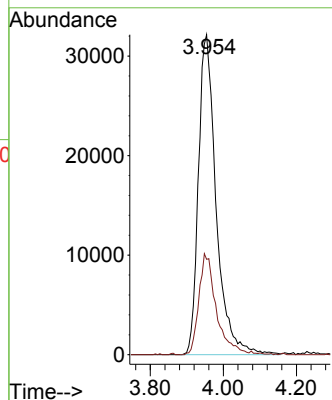
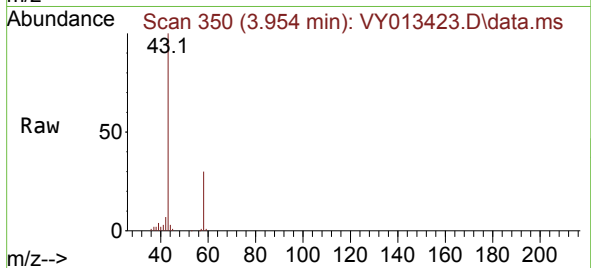
20230314-30-4

Tgt Ion: 43 Resp: 108552

Ion Ratio Lower Upper

43 100

58 29.8 25.4 38.0



#17

Carbon Disulfide

Concen: 11.525 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.006 min

Lab File: VY013423.D

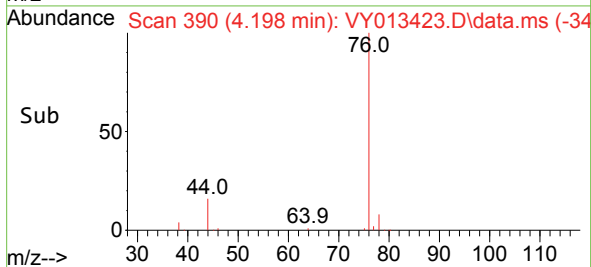
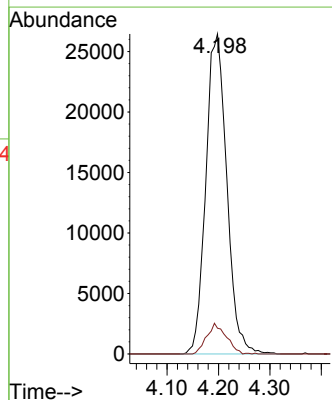
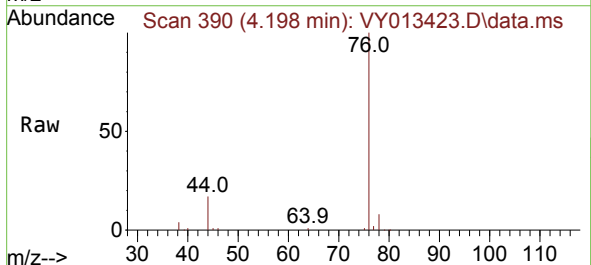
Acq: 25 Apr 2023 03:04

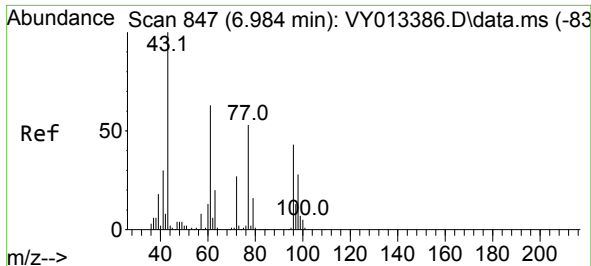
Tgt Ion: 76 Resp: 74795

Ion Ratio Lower Upper

76 100

78 8.1 7.2 10.8

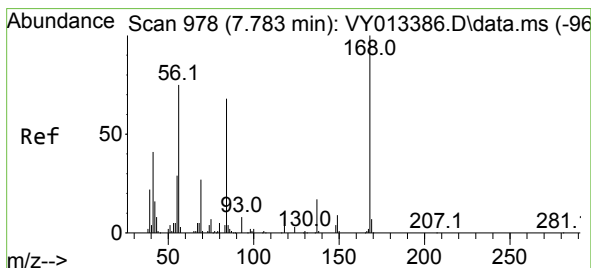
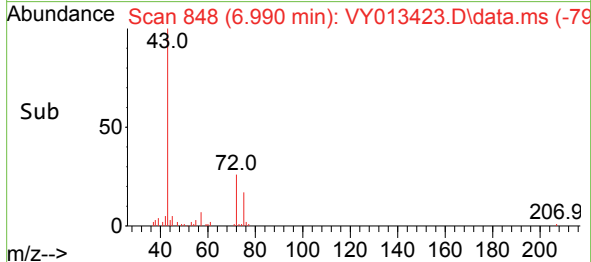
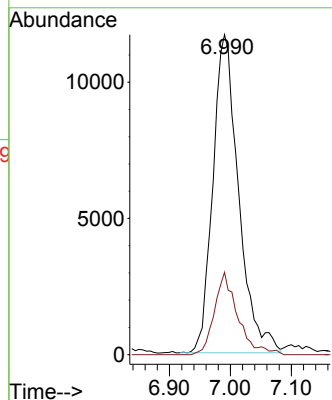
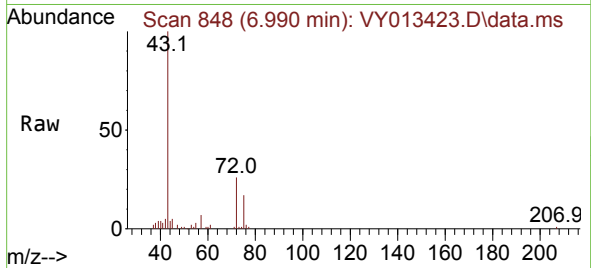




#25
2-Butanone
Concen: 32.528 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

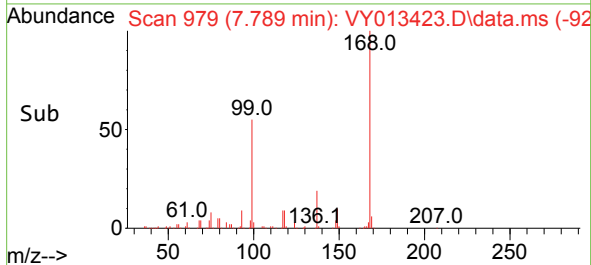
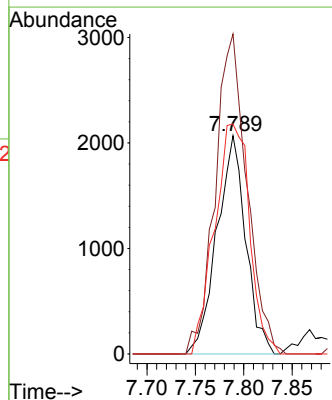
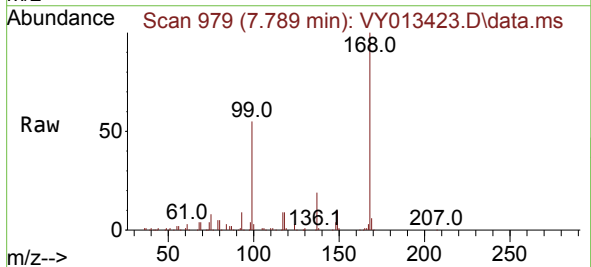
Instrument :
MSVOA_Y
ClientSampleId :
20230314-30-4

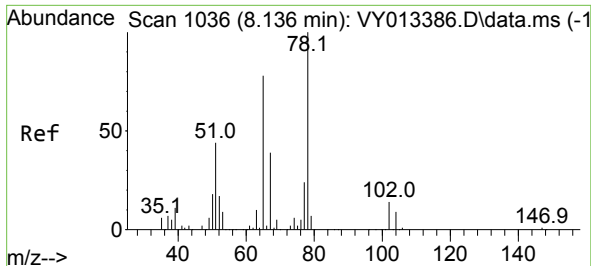
Tgt Ion: 43 Resp: 34235
Ion Ratio Lower Upper
43 100
72 25.9 21.9 32.9



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion: 56 Resp: 4274
Ion Ratio Lower Upper
56 100
69 146.6 29.2 43.8#
84 105.4 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 63.203 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013423.D

Acq: 25 Apr 2023 03:04

Instrument :

MSVOA_Y

ClientSampleId :

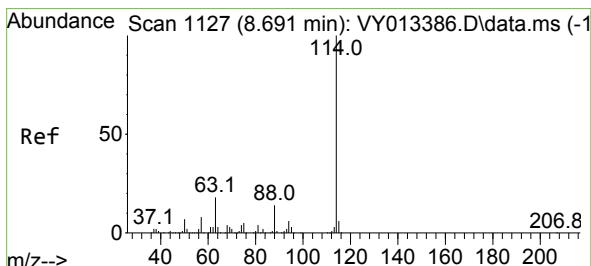
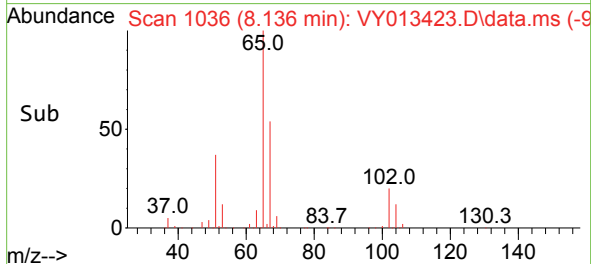
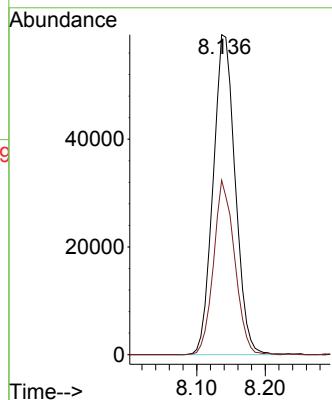
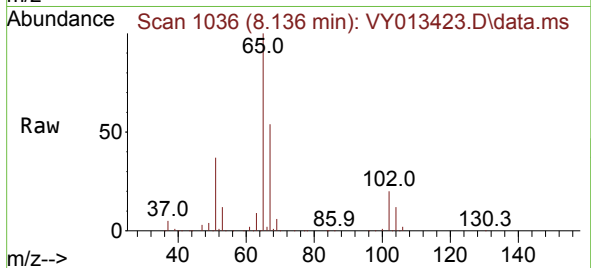
20230314-30-4

Tgt Ion: 65 Resp: 133192

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013423.D

Acq: 25 Apr 2023 03:04

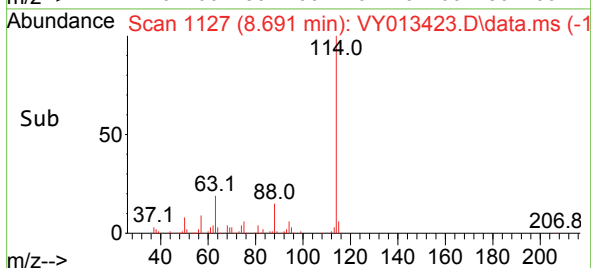
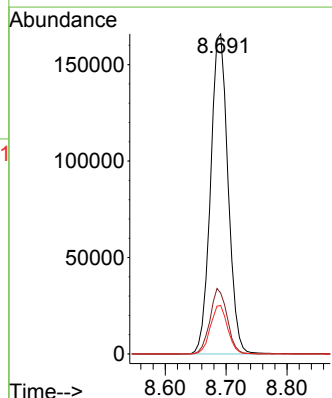
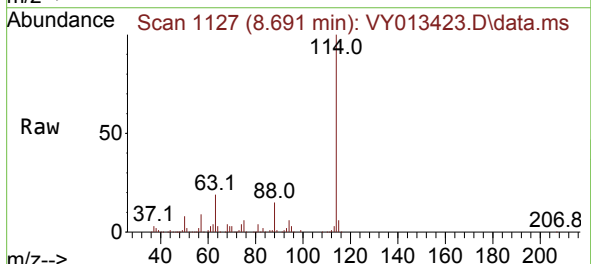
Tgt Ion: 114 Resp: 330294

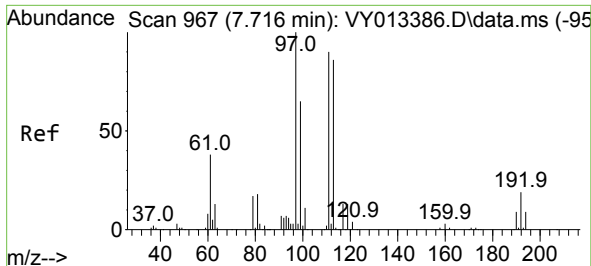
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.6

88 15.1 0.0 28.8

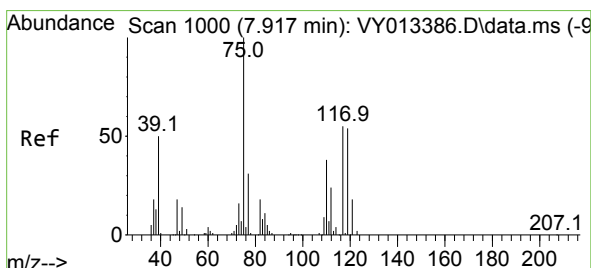
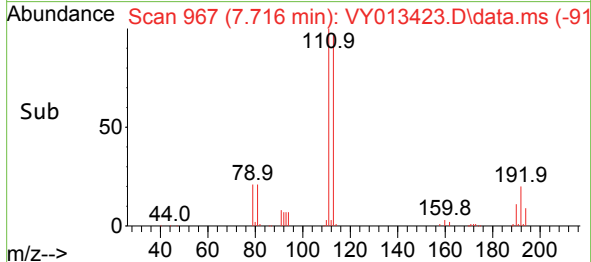
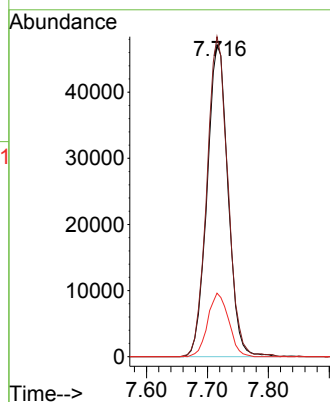
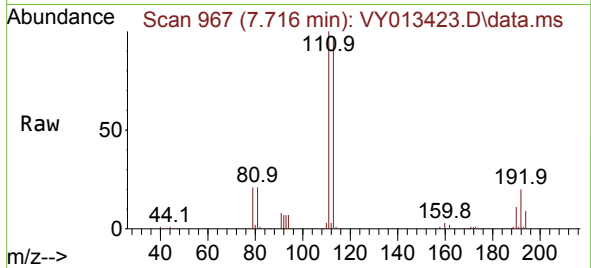




#35
Dibromofluoromethane
Concen: 54.128 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

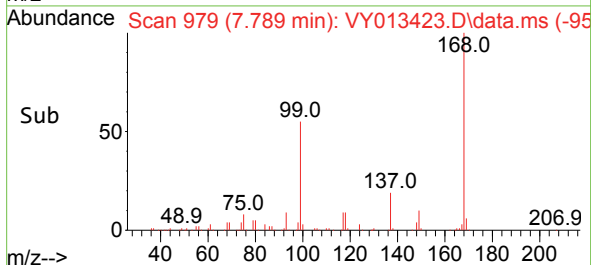
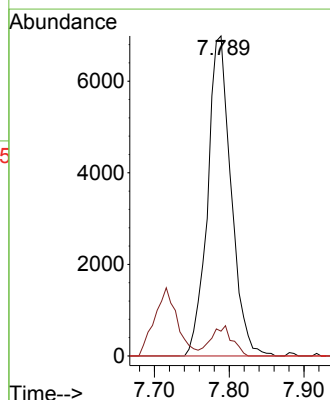
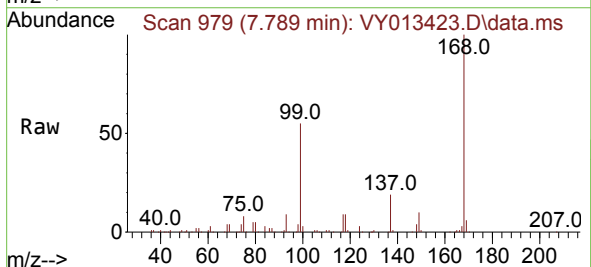
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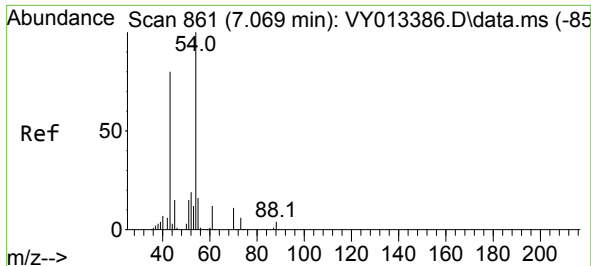
Tgt Ion:113 Resp: 112446
Ion Ratio Lower Upper
113 100
111 103.2 82.2 123.2
192 20.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion: 75 Resp: 15271
Ion Ratio Lower Upper
75 100
110 8.5 18.7 56.1#
77 0.0 24.6 37.0#

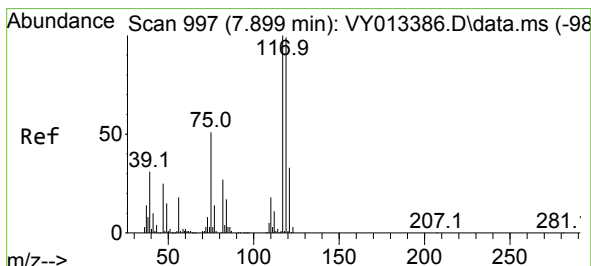
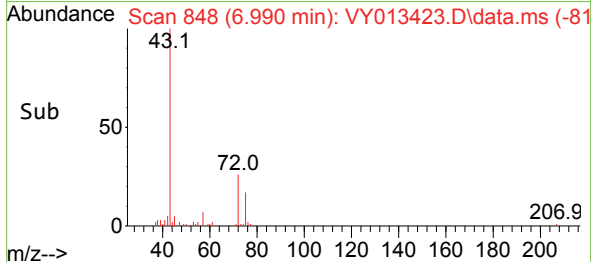
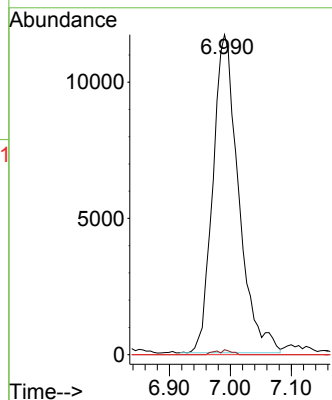
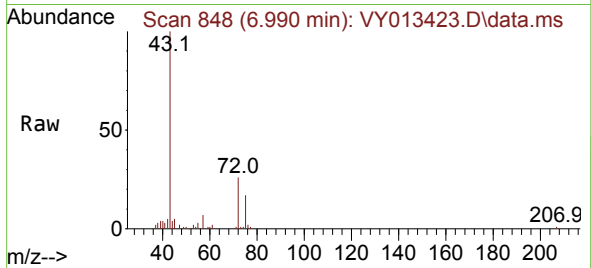




#37
Ethyl Acetate
Concen: 13.195 ug/l
RT: 6.990 min Scan# 84
Delta R.T. -0.079 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

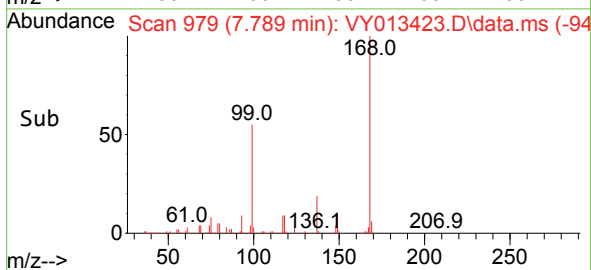
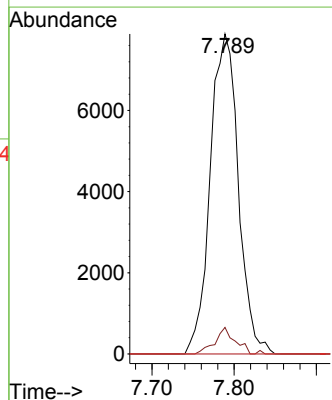
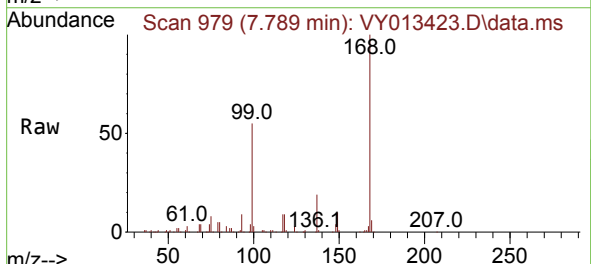
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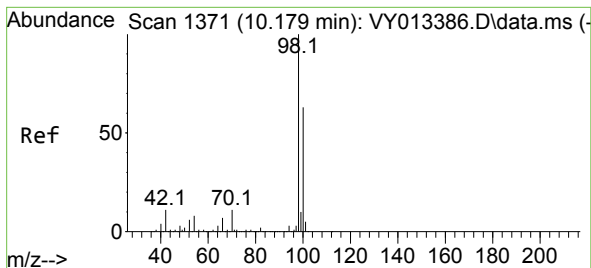
Tgt Ion: 43 Resp: 34235
Ion Ratio Lower Upper
43 100
61 1.0 11.4 17.0#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 5.180 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion: 117 Resp: 18719
Ion Ratio Lower Upper
117 100
119 8.3 79.0 118.6#
121 0.0 26.6 40.0#

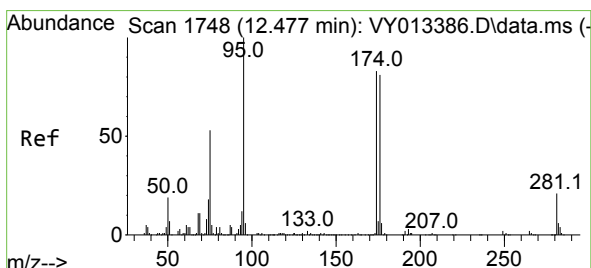
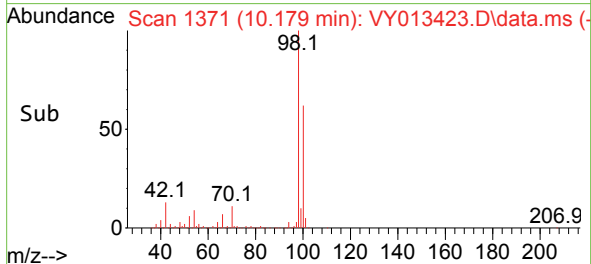
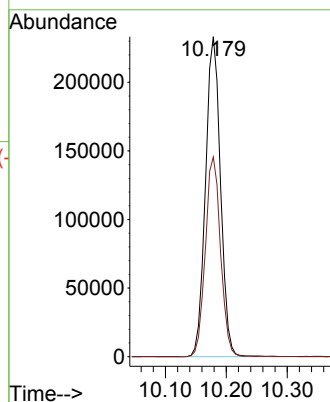
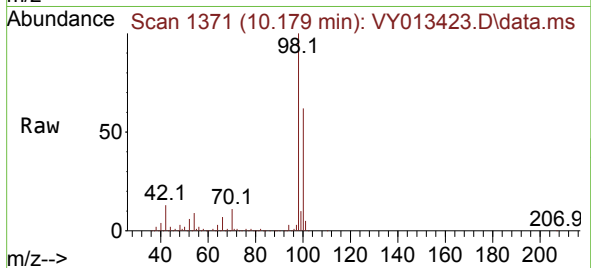




#50
Toluene-d8
Concen: 53.949 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

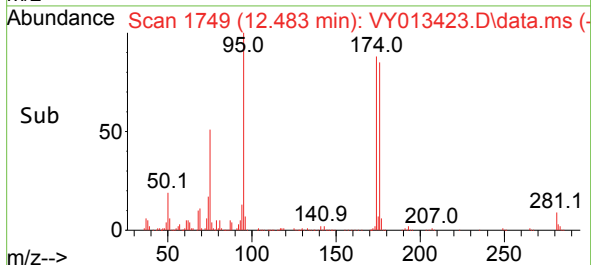
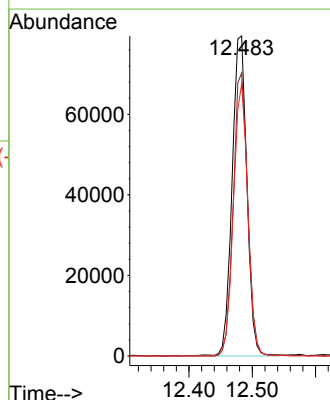
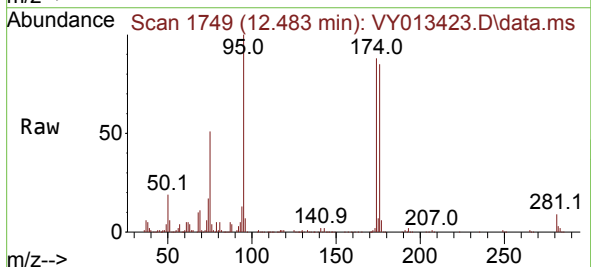
Instrument :
MSVOA_Y
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20230314-30-4

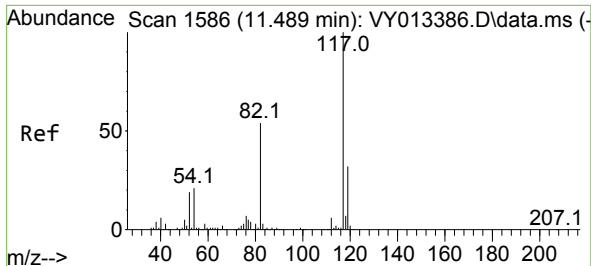
Tgt Ion: 98 Resp: 398694
Ion Ratio Lower Upper
98 100
100 63.2 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 51.764 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion: 95 Resp: 128964
Ion Ratio Lower Upper
95 100
174 86.8 0.0 182.0
176 82.3 0.0 175.4

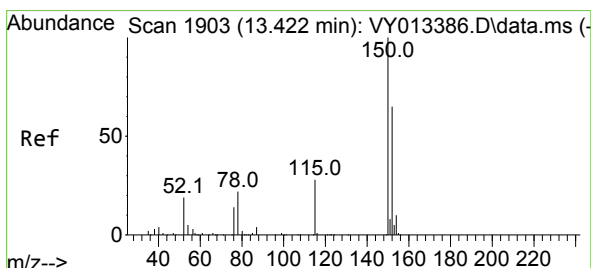
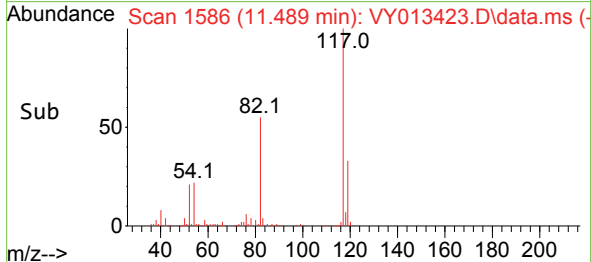
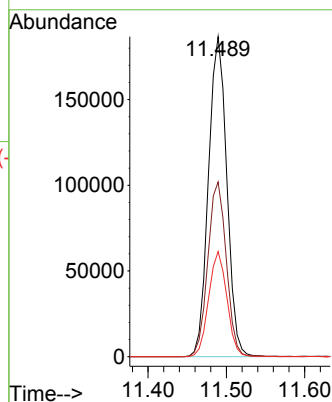
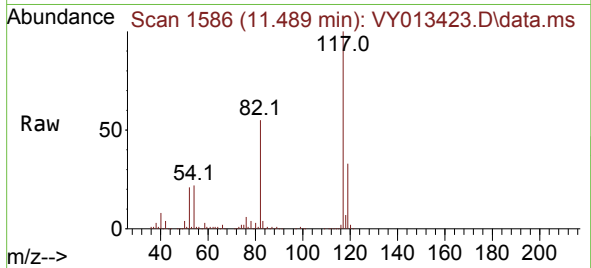




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

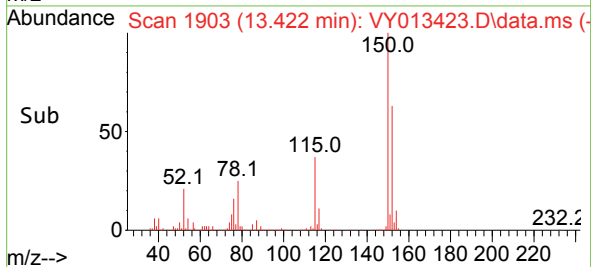
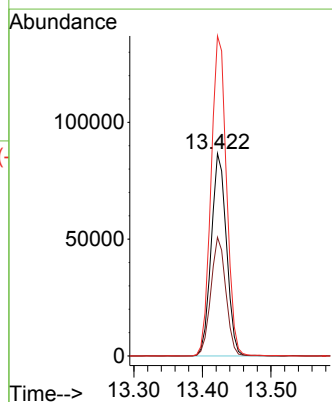
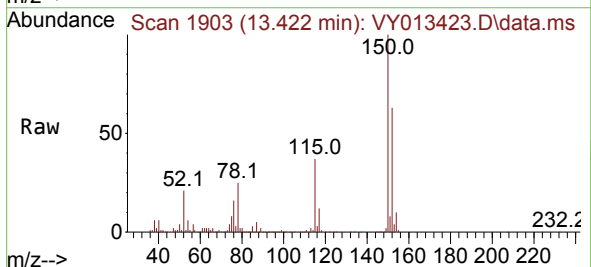
Instrument :
MSVOA_Y
ClientSampleId :
20230314-30-4

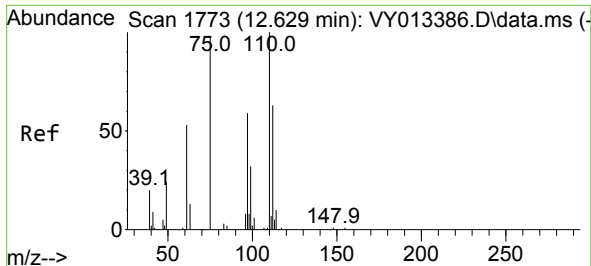
Tgt Ion:117 Resp: 303653
Ion Ratio Lower Upper
117 100
82 54.6 43.0 64.6
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Tgt Ion:152 Resp: 133954
Ion Ratio Lower Upper
152 100
115 57.7 28.1 84.2
150 160.1 0.0 352.0

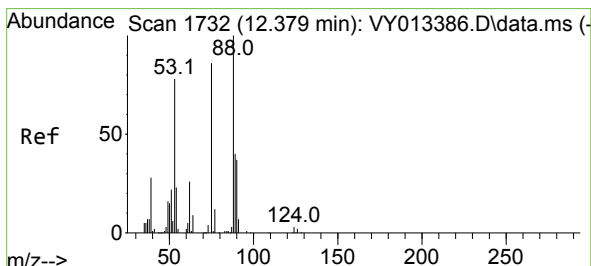
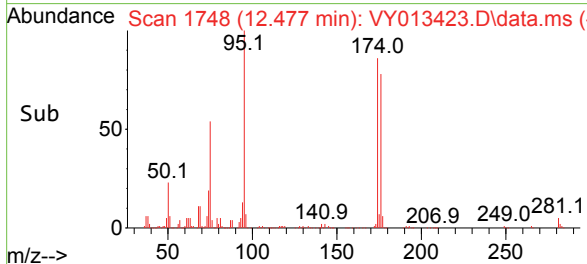
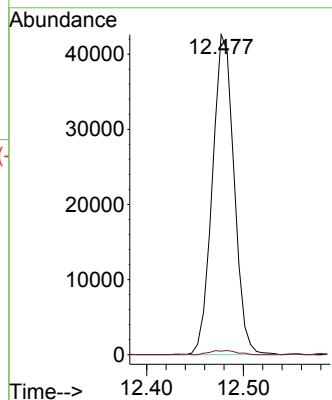
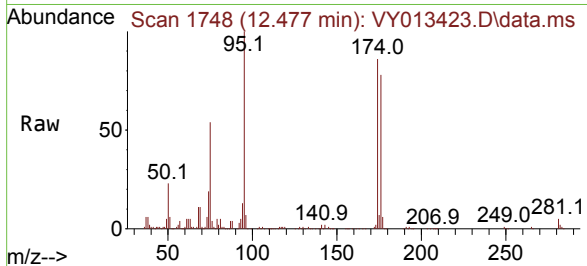




#76
1,2,3-Trichloropropane
Concen: 36.797 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

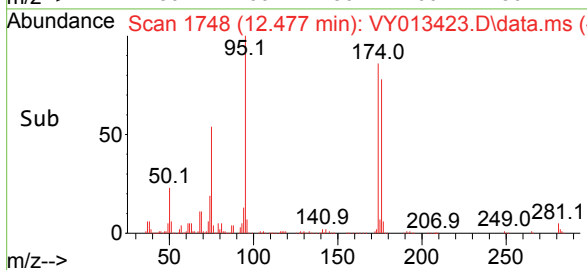
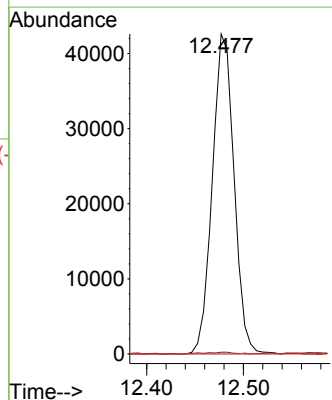
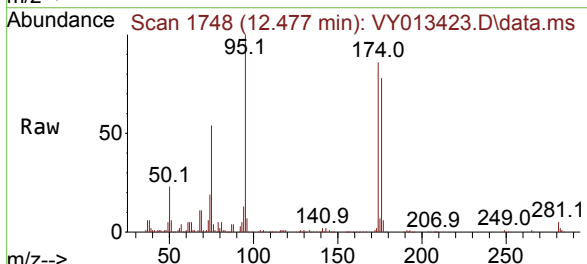
Instrument :
MSVOA_Y
ClientSampleId :
20230314-30-4

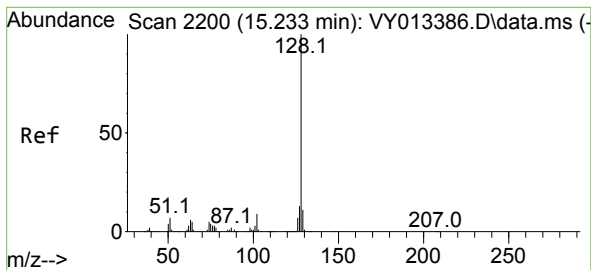
Tgt Ion: 75 Resp: 66475
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.270 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

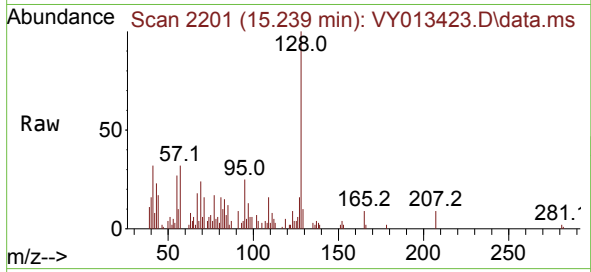
Tgt Ion: 75 Resp: 66475
Ion Ratio Lower Upper
75 100
53 0.7 73.2 109.8#
89 0.0 38.0 57.0#





#95
Naphthalene
Concen: 1.181 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY013423.D
Acq: 25 Apr 2023 03:04

Instrument :
MSVOA_Y
ClientSampleId :
20230314-30-4



Tgt Ion:128 Resp: 6455
Ion Ratio Lower Upper
128 100
127 16.4 10.7 16.1#
129 12.5 8.8 13.2

