

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014417.D
 Acq On : 23 Jun 2023 18:58
 Operator : KP/MD
 Sample : 03343-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 23 23:14:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	178048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	273684	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	263312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128585	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118968	53.817	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.640%
35) Dibromofluoromethane	7.728	113	85840	50.767	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.185	98	324751	48.316	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.640%
62) 4-Bromofluorobenzene	12.483	95	110414	46.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.020%

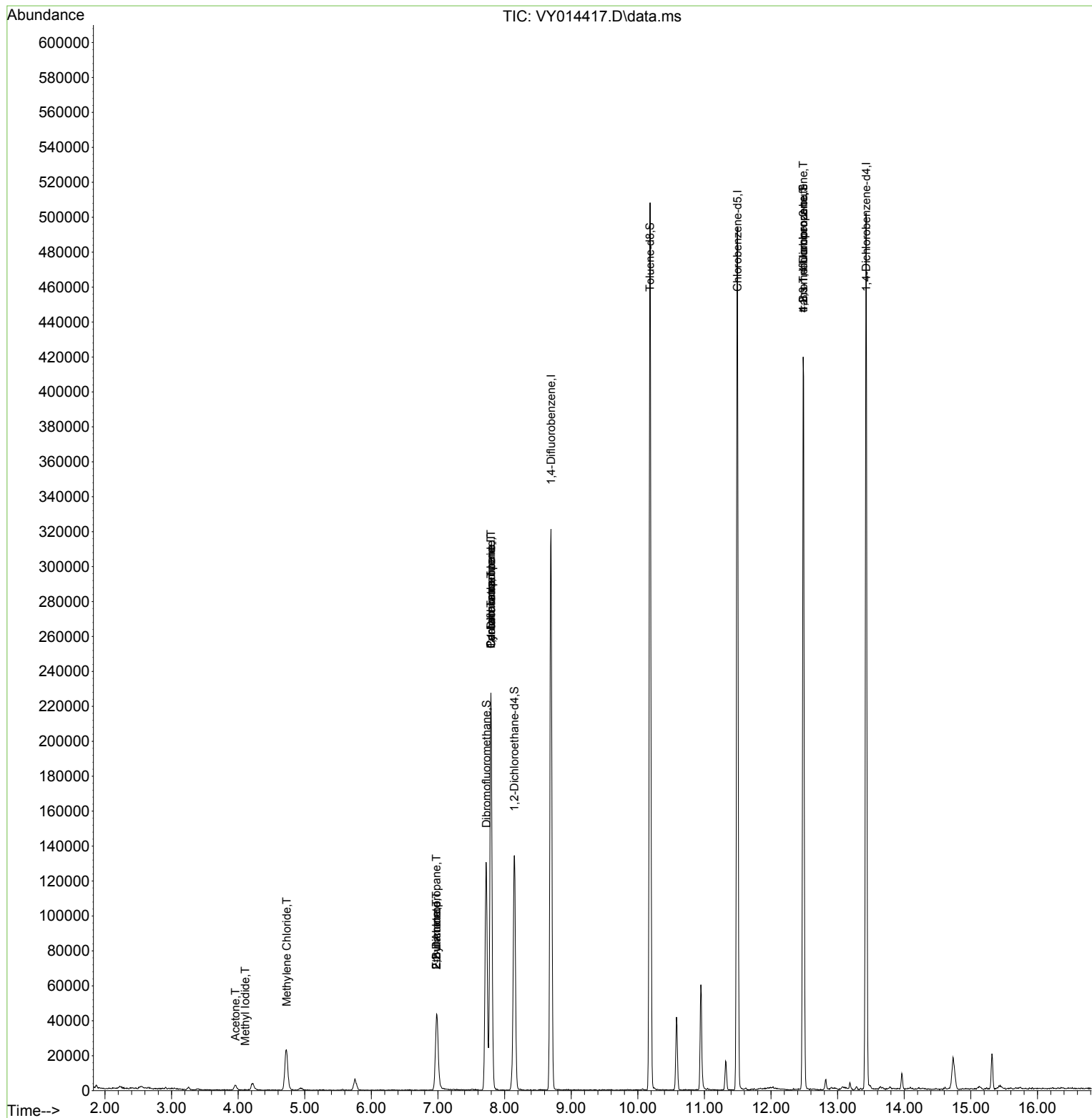
Target Compounds					Qvalue	
10) Methyl Iodide	4.107	142	71	2.905	ug/l #	66
11) Tert butyl alcohol	4.960	59	763	Below Cal	#	89
16) Acetone	3.960	43	5103	7.336	ug/l	96
20) Methylene Chloride	4.729	84	17422	3.505	ug/l #	90
25) 2-Butanone	6.978	43	2529	2.919	ug/l #	72
26) 2,2-Dichloropropane	6.978	77	3394	1.038	ug/l #	54
31) Cyclohexane	7.795	56	3732	1.367	ug/l #	39
36) 1,1-Dichloropropene	7.795	75	13014	4.995	ug/l #	51
37) Ethyl Acetate	6.978	43	2529	1.408	ug/l #	1
38) Carbon Tetrachloride	7.795	117	17339	5.288	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	63862	39.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63862	90.138	ug/l #	11

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

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Response via : Initial Calibration

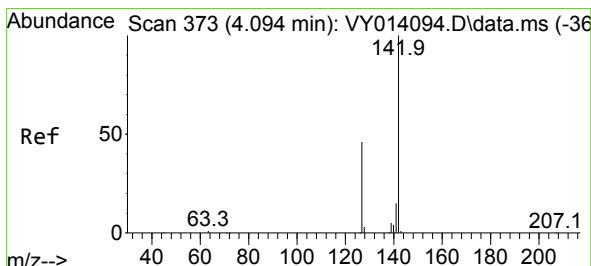
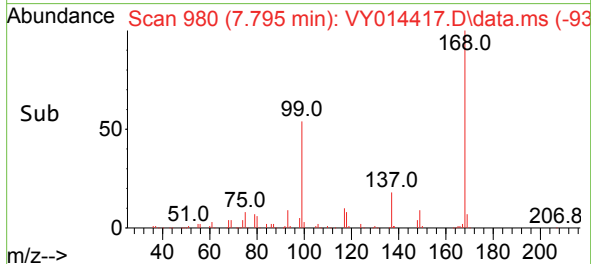
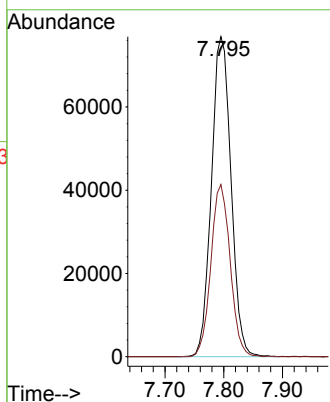
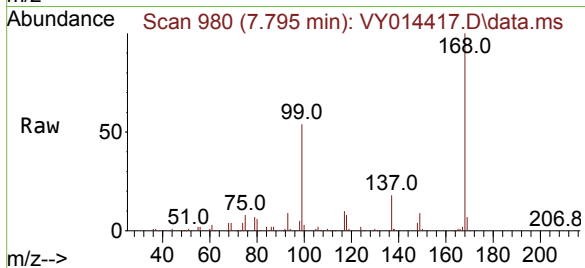




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

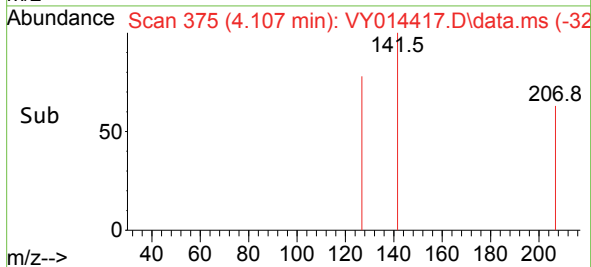
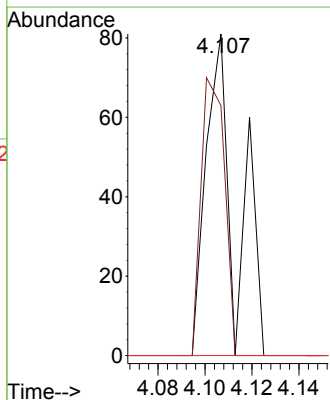
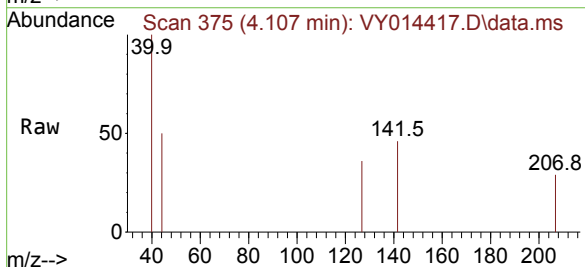
Instrument :
MSVOA_Y
ClientSampleId :
VOC

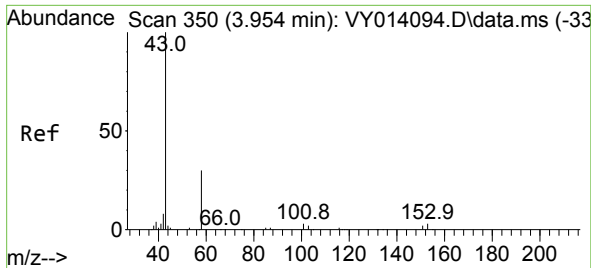
Tgt Ion:168 Resp: 178048
Ion Ratio Lower Upper
168 100
99 53.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.905 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 69.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 7.336 ug/l

RT: 3.960 min Scan# 317

Delta R.T. 0.006 min

Lab File: VY014417.D

Acq: 23 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

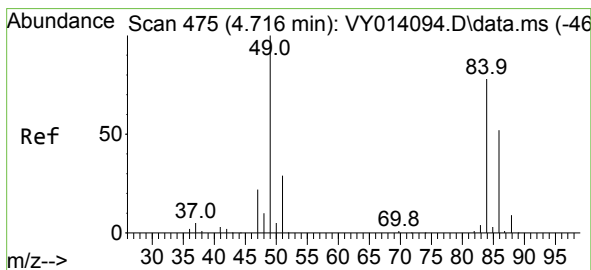
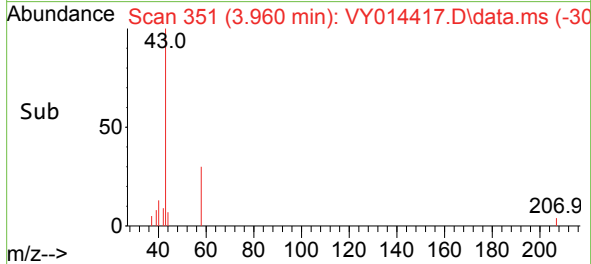
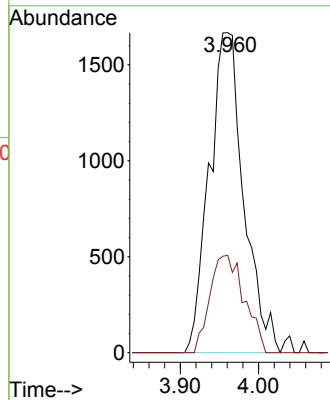
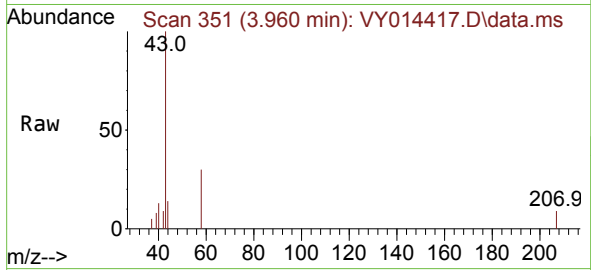
VOC

Tgt Ion: 43 Resp: 5103

Ion Ratio Lower Upper

43 100

58 30.4 22.7 34.1



#20

Methylene Chloride

Concen: 3.505 ug/l

RT: 4.729 min Scan# 477

Delta R.T. 0.013 min

Lab File: VY014417.D

Acq: 23 Jun 2023 18:58

Tgt Ion: 84 Resp: 17422

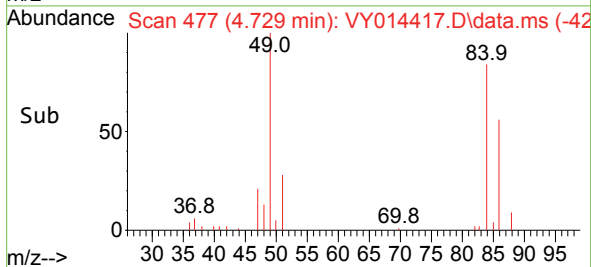
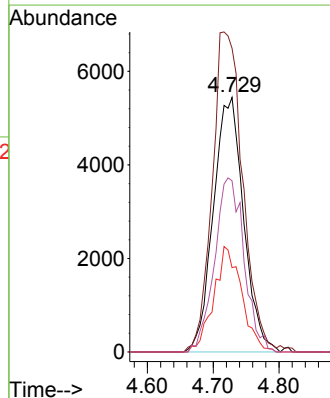
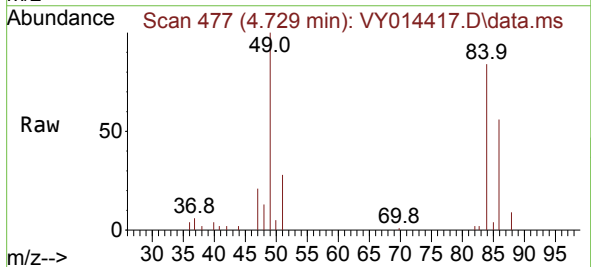
Ion Ratio Lower Upper

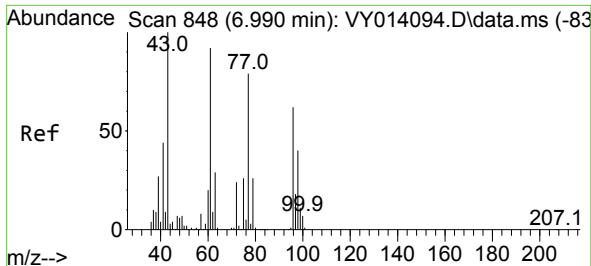
84 100

49 119.3 106.9 160.3

51 33.1 33.2 49.8#

86 67.2 51.0 76.6

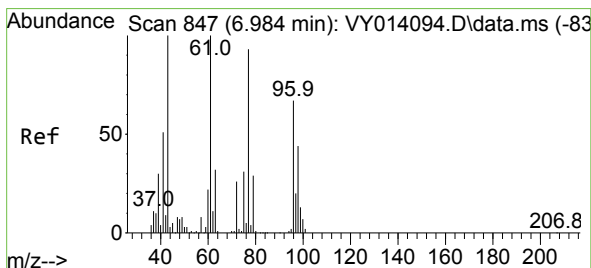
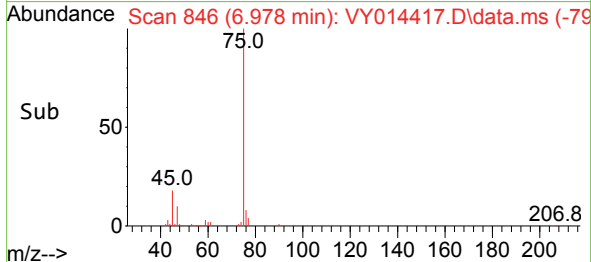
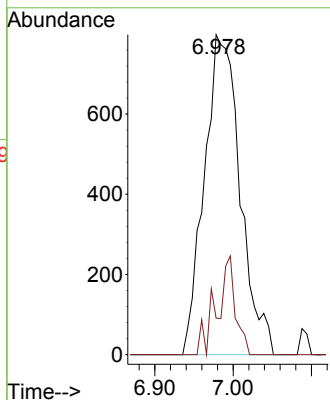
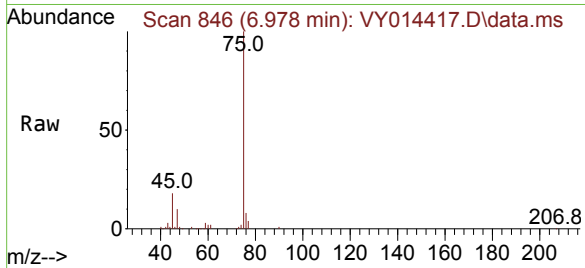




#25
2-Butanone
Concen: 2.919 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

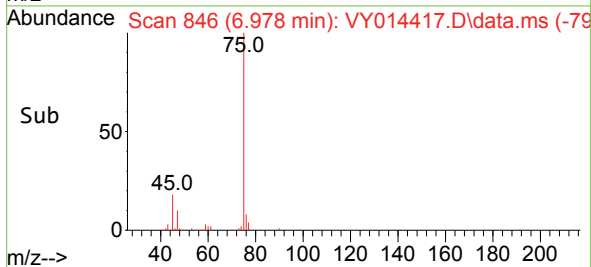
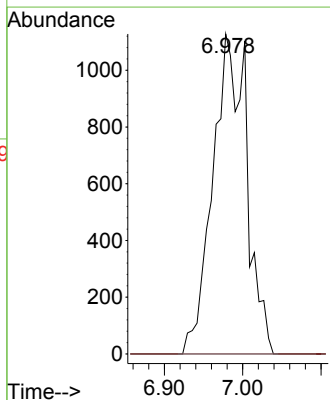
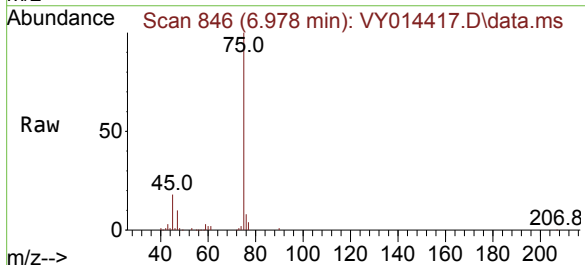
Instrument :
MSVOA_Y
ClientSampleId :
VOC

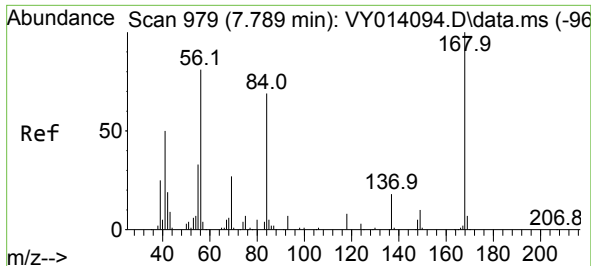
Tgt Ion: 43 Resp: 2529
Ion Ratio Lower Upper
43 100
72 11.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.038 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion: 77 Resp: 3394
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

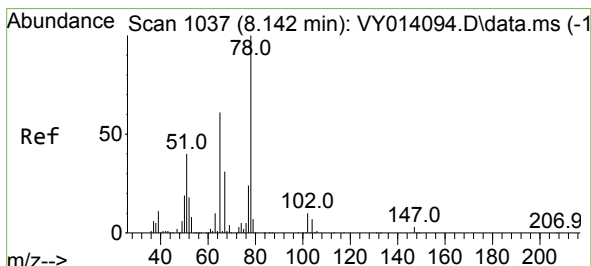
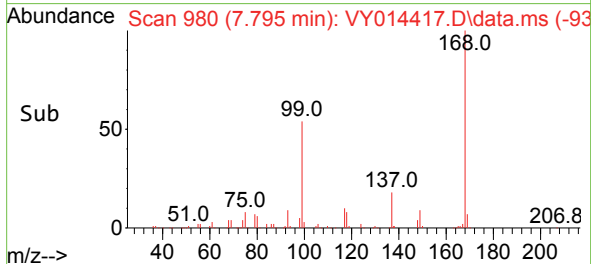
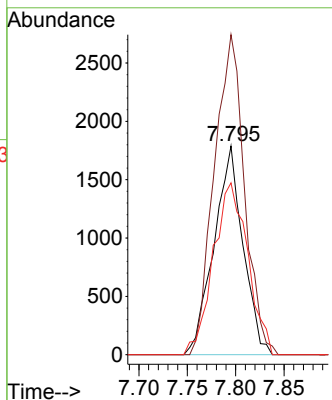
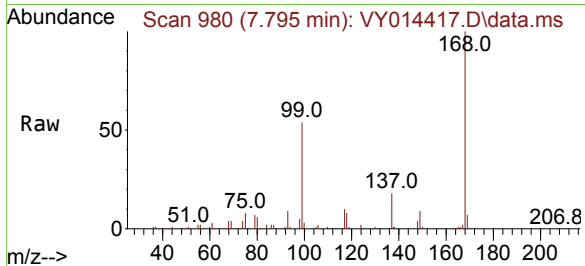




#31
Cyclohexane
Concen: 1.367 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

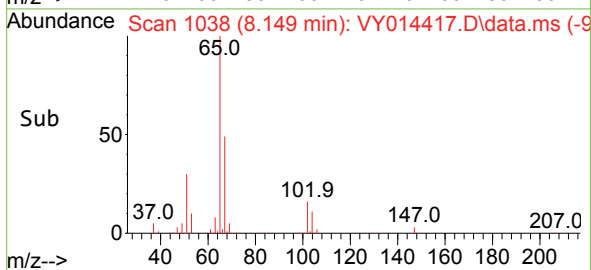
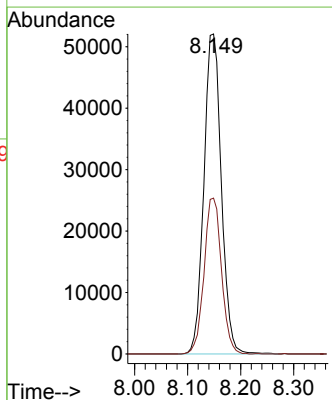
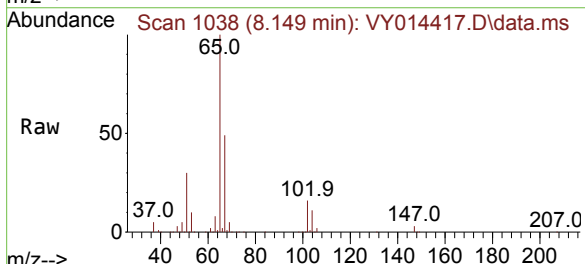
Instrument :
MSVOA_Y
ClientSampleId :
VOC

Tgt Ion: 56 Resp: 3732
Ion Ratio Lower Upper
56 100
69 153.4 27.8 41.6#
84 82.4 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 53.817 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion: 65 Resp: 118968
Ion Ratio Lower Upper
65 100
67 48.7 0.0 101.8

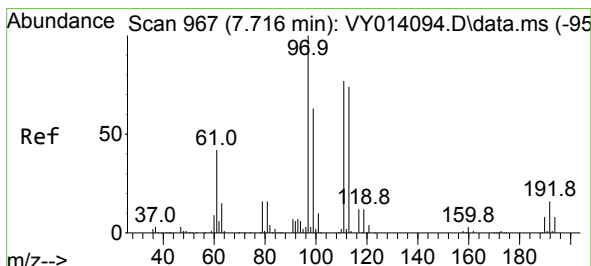
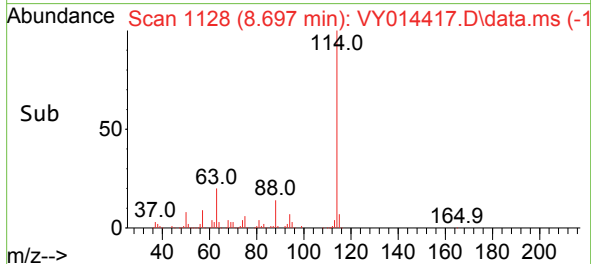
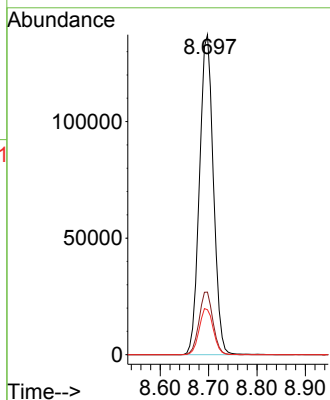
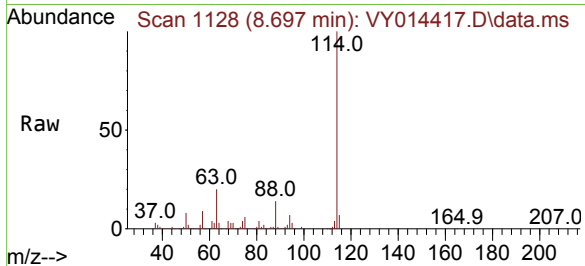




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

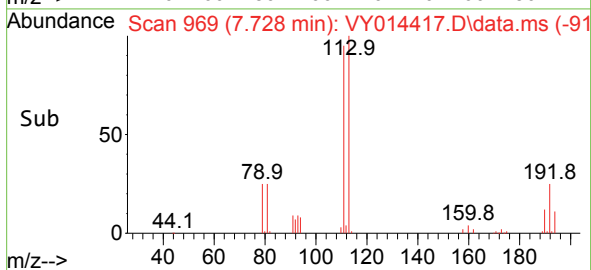
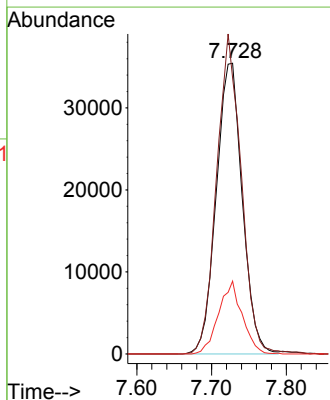
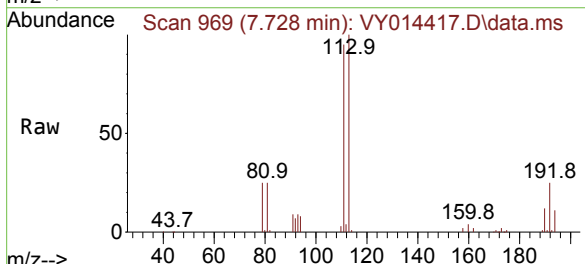
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MSVOA_Y
ClientSampleId :
VOC

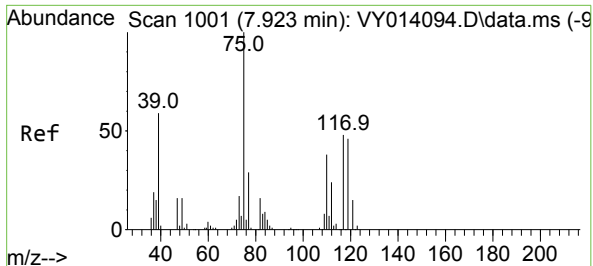
Tgt Ion:114 Resp: 273684
Ion Ratio Lower Upper
114 100
63 19.5 0.0 42.4
88 14.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 50.767 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion:113 Resp: 85840
Ion Ratio Lower Upper
113 100
111 104.4 81.3 121.9
192 22.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.995 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.128 min

Lab File: VY014417.D

Acq: 23 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VOC

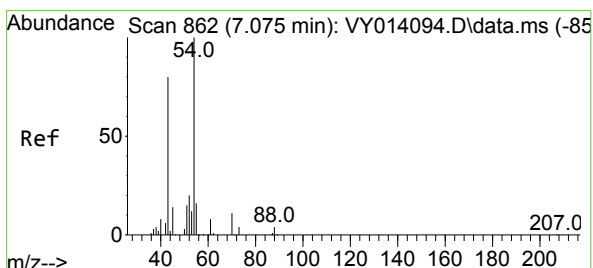
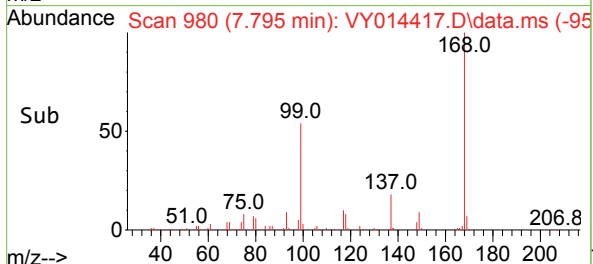
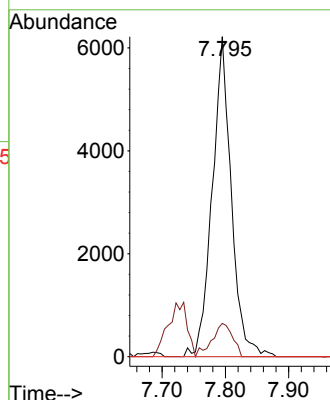
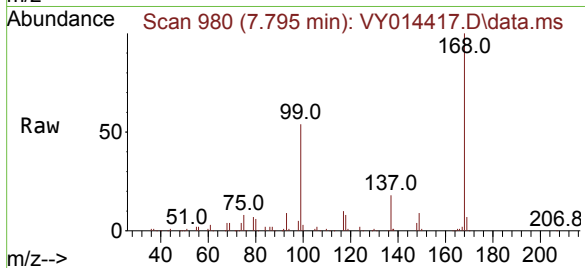
Tgt Ion: 75 Resp: 13014

Ion Ratio Lower Upper

75 100

110 10.3 17.8 53.5#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.408 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.097 min

Lab File: VY014417.D

Acq: 23 Jun 2023 18:58

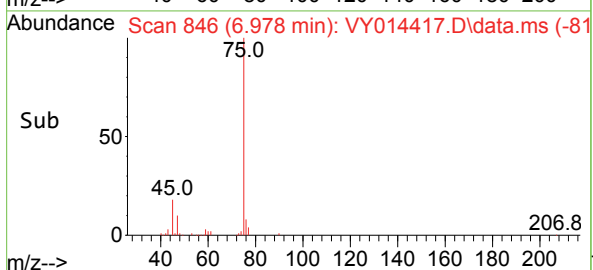
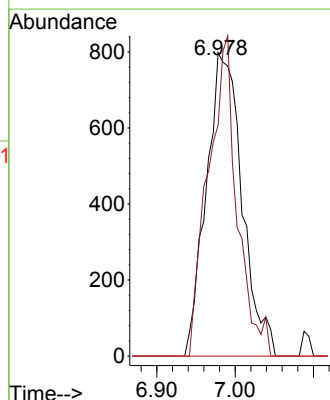
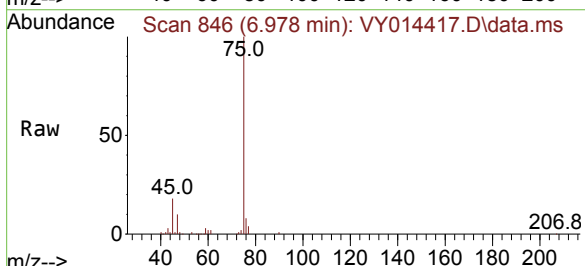
Tgt Ion: 43 Resp: 2529

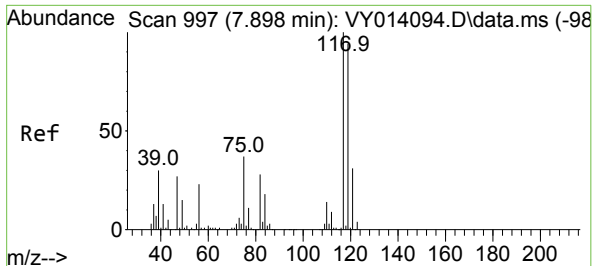
Ion Ratio Lower Upper

43 100

61 85.2 10.1 15.1#

70 0.0 7.1 10.7#

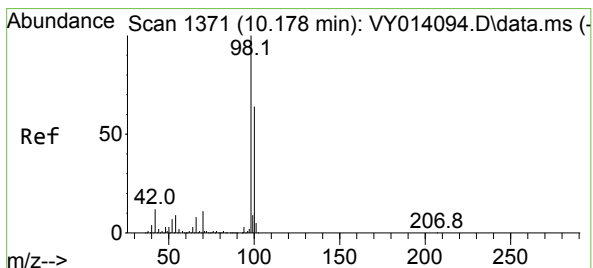
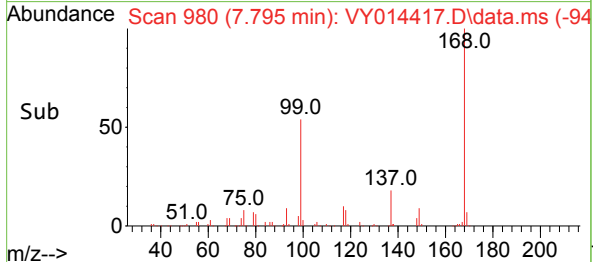
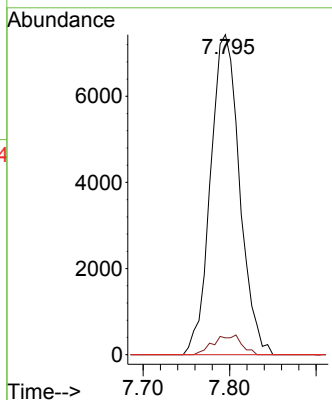
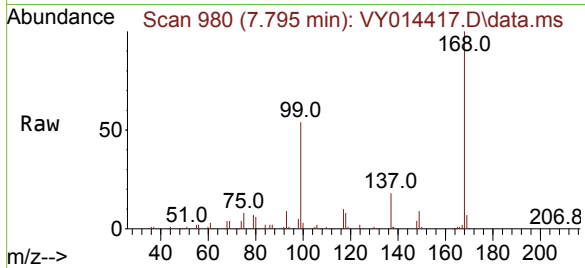




#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

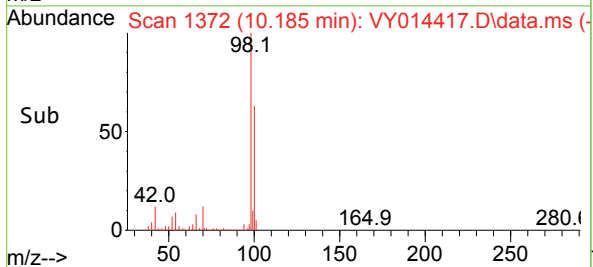
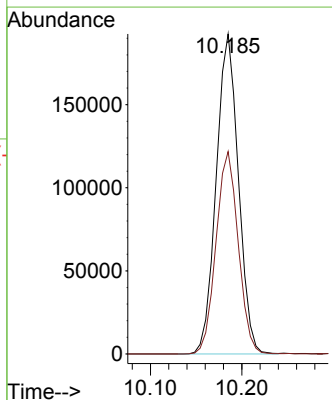
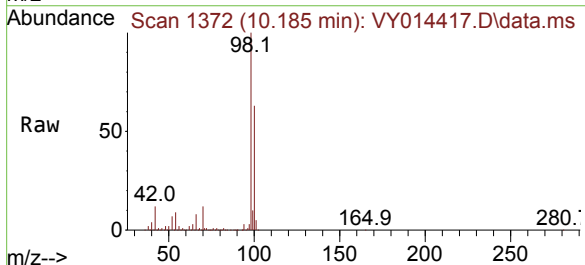
Instrument :
MSVOA_Y
ClientSampleId :
VOC

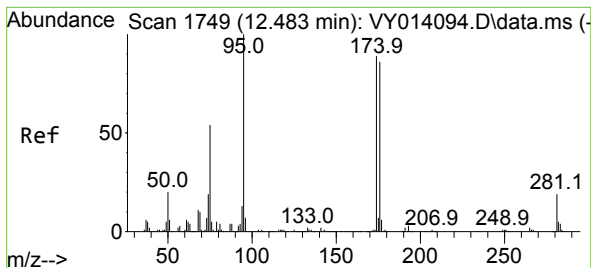
Tgt Ion:117 Resp: 17339
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.316 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion: 98 Resp: 324751
Ion Ratio Lower Upper
98 100
100 63.2 50.1 75.1

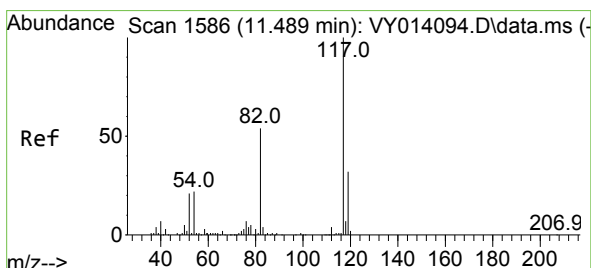
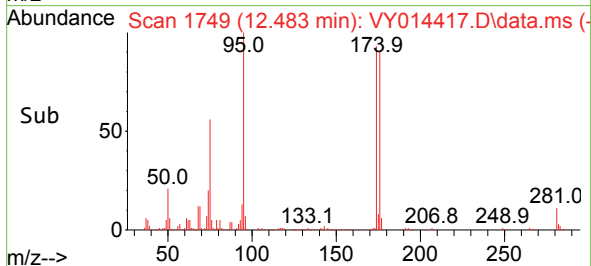
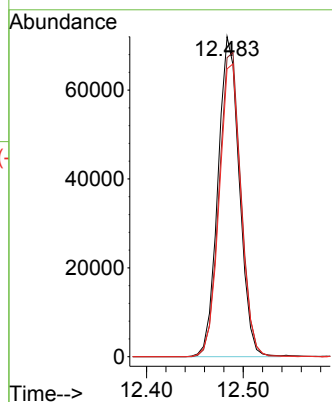
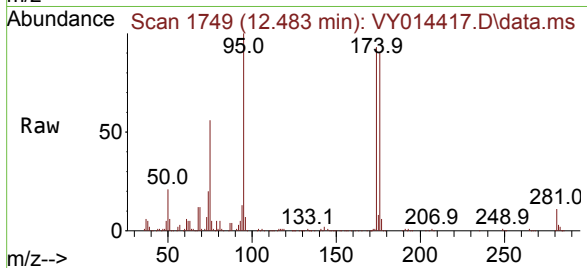




#62
4-Bromofluorobenzene
Concen: 46.014 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

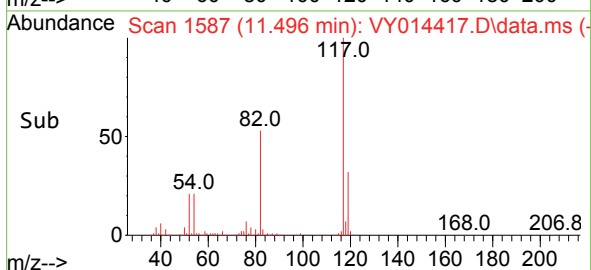
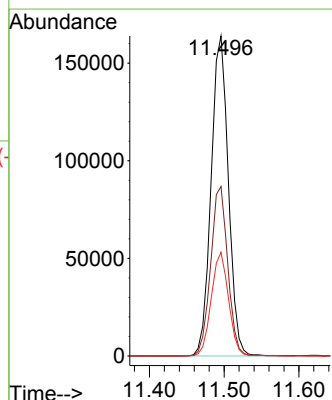
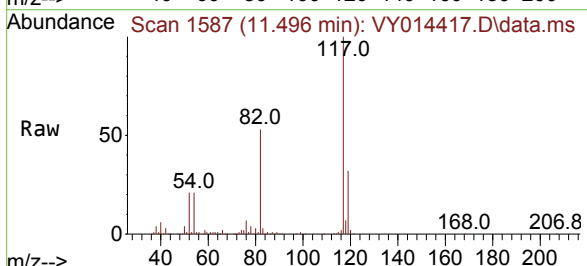
Instrument :
MSVOA_Y
ClientSampleId :
VOC

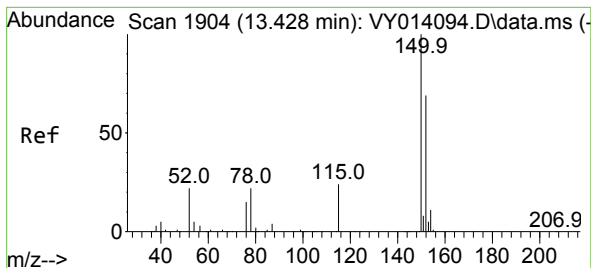
Tgt Ion: 95 Resp: 110414
Ion Ratio Lower Upper
95 100
174 97.6 0.0 178.2
176 93.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014417.D
Acq: 23 Jun 2023 18:58

Tgt Ion: 117 Resp: 263312
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014417.D

Acq: 23 Jun 2023 18:58

Instrument :

MSVOA_Y

ClientSampleId :

VOC

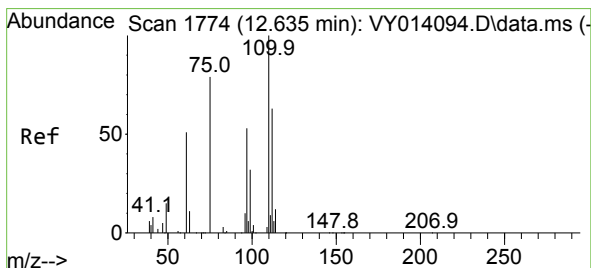
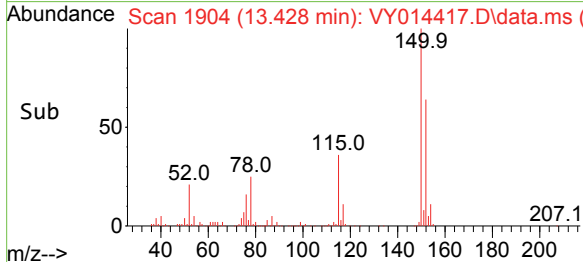
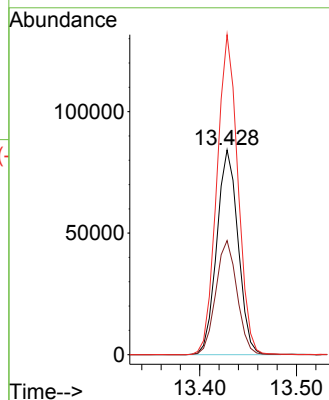
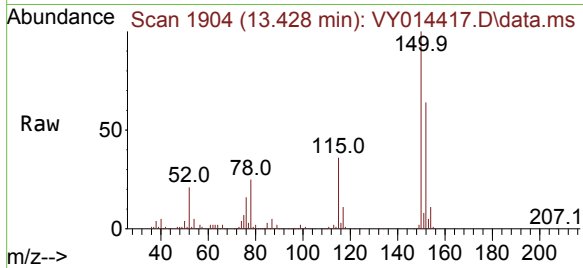
Tgt Ion:152 Resp: 128585

Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.5

150 154.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.592 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014417.D

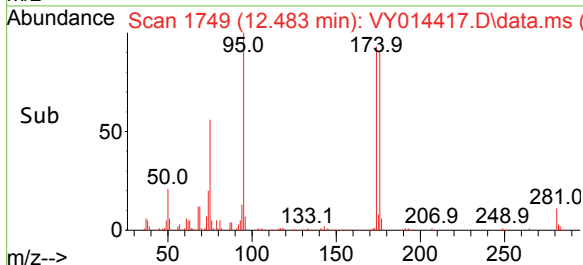
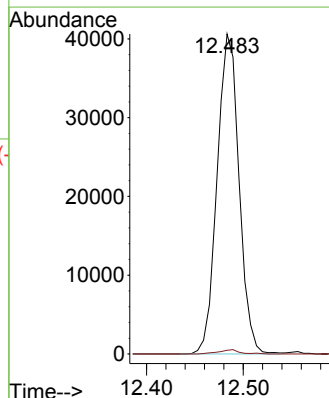
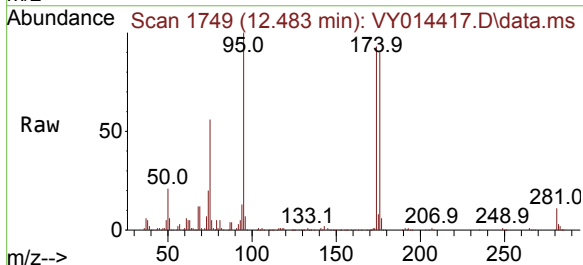
Acq: 23 Jun 2023 18:58

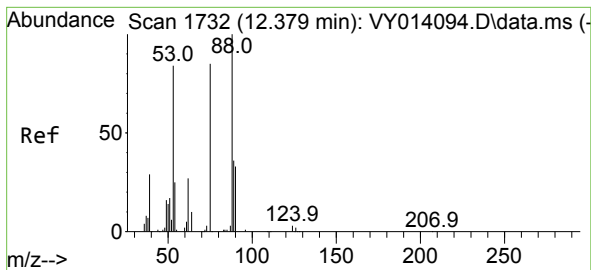
Tgt Ion: 75 Resp: 63862

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.138 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014417.D
 Acq: 23 Jun 2023 18:58

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion: 75 Resp: 63862
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

