

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071023\
 Data File : VY014616.D
 Acq On : 10 Jul 2023 14:29
 Operator : SY/MD
 Sample : 03555-11
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 11 03:19:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

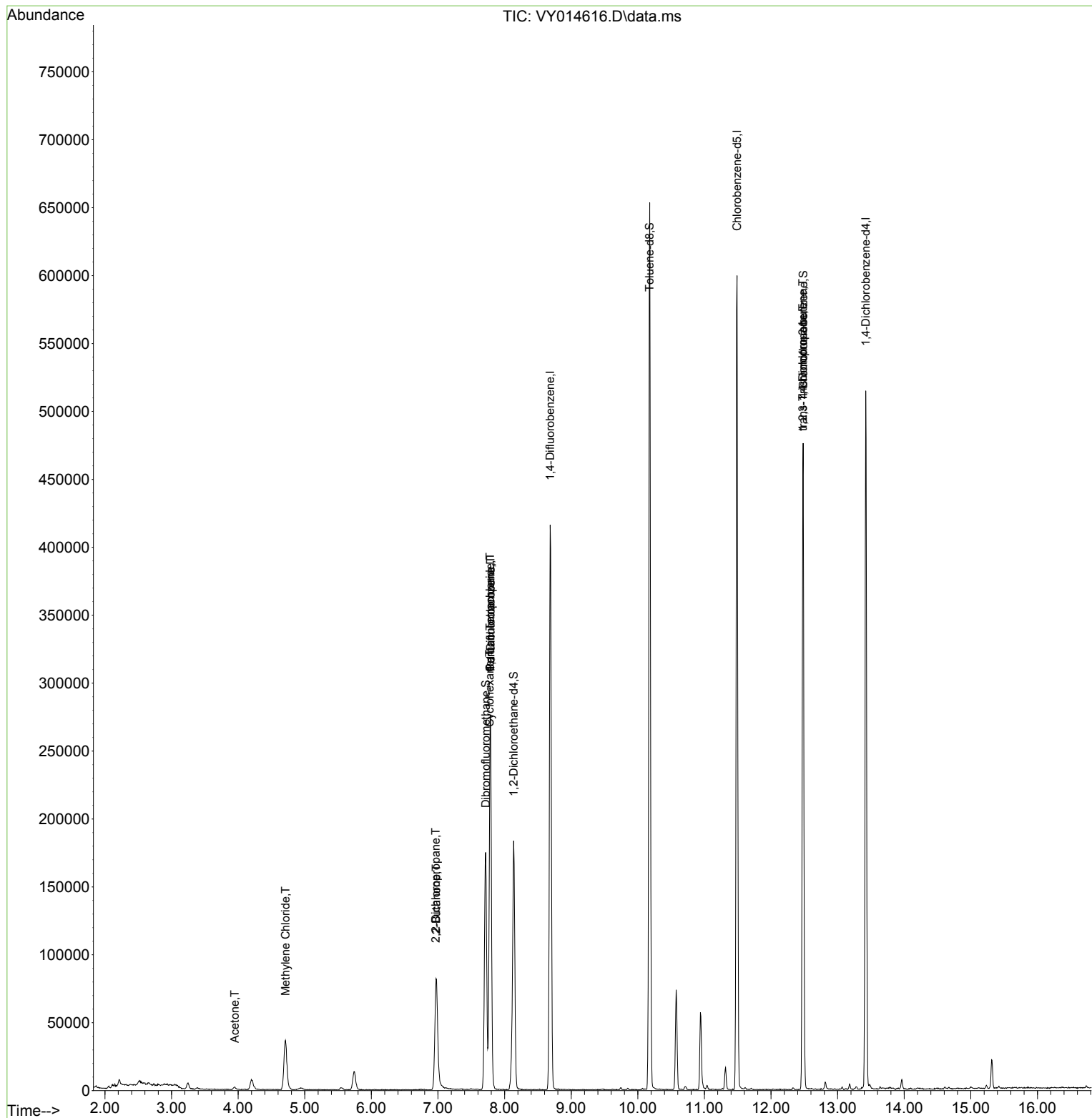
Internal Standards						
1) Pentafluorobenzene	7.789	168	239728	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	374419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	354318	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	134112	56.237	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.480%	
35) Dibromofluoromethane	7.716	113	126881	55.029	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.060%	
50) Toluene-d8	10.179	98	446852	49.026	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.060%	
62) 4-Bromofluorobenzene	12.483	95	135891	42.936	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 85.880%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	259	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	1545	Below Cal	#	91
16) Acetone	3.948	43	2976	3.996	ug/l #	71
20) Methylene Chloride	4.710	84	29858	6.610	ug/l #	84
25) 2-Butanone	6.972	43	4503	4.083	ug/l #	77
26) 2,2-Dichloropropane	6.966	77	6697	1.792	ug/l #	54
31) Cyclohexane	7.777	56	4032	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15897	4.502	ug/l #	49
38) Carbon Tetrachloride	7.783	117	20629	5.597	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	64329	37.966	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64329	73.898	ug/l #	11

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

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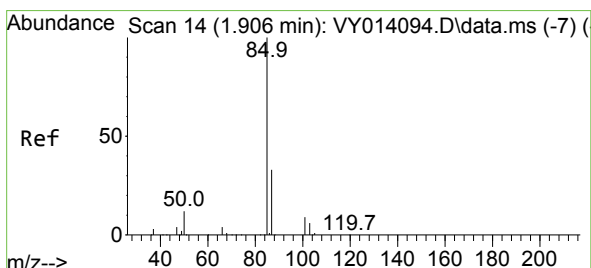
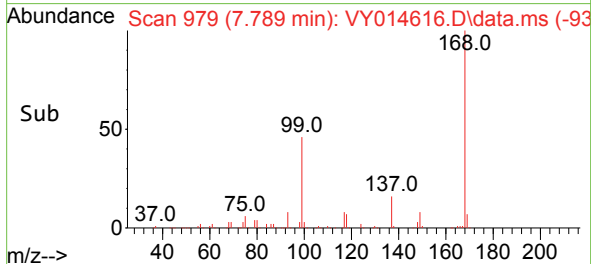
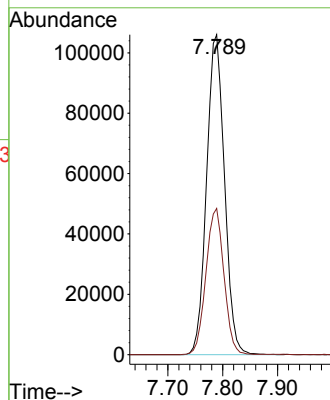
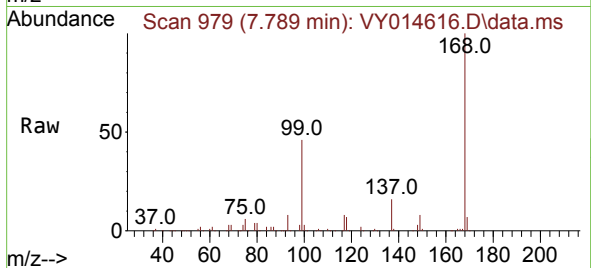




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

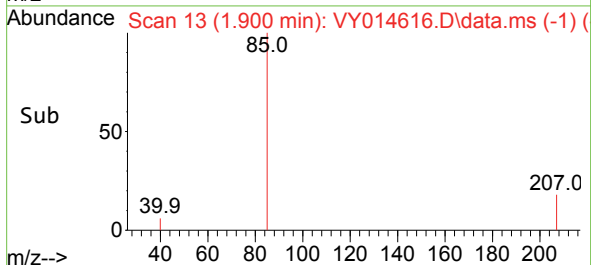
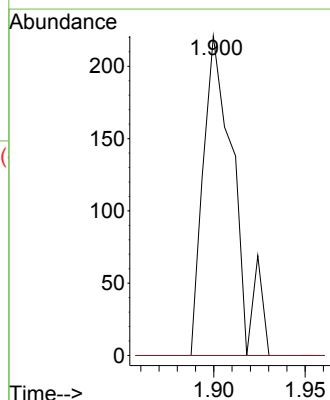
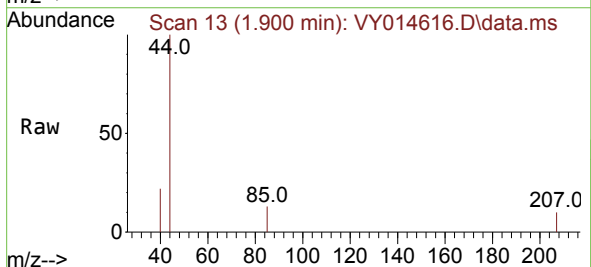
Instrument :
MSVOA_Y
ClientSampleId :

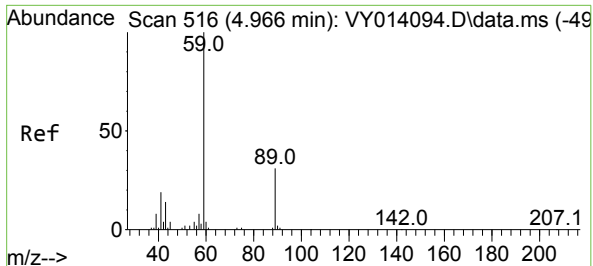
Tgt Ion:168 Resp: 239728
Ion Ratio Lower Upper
168 100
99 45.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Tgt Ion: 85 Resp: 259
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 516

Delta R.T. -0.030 min

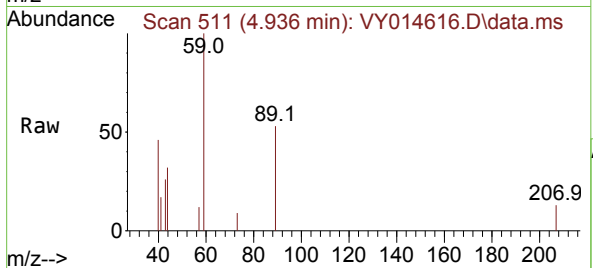
Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

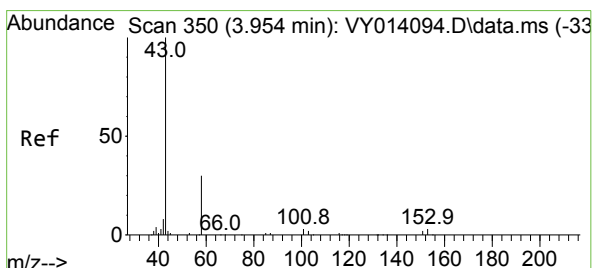
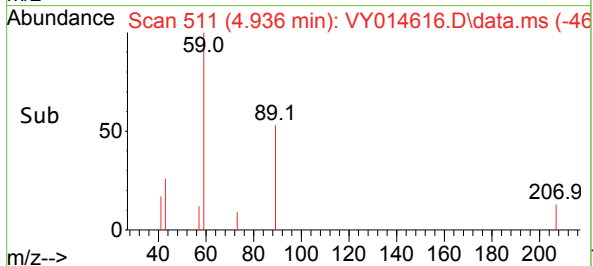
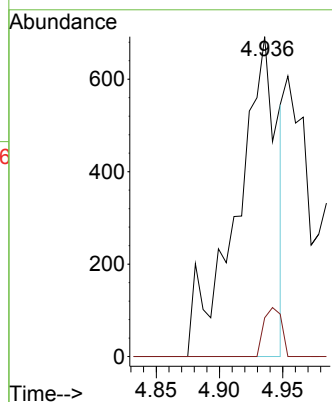


Tgt Ion: 59 Resp: 1545

Ion Ratio Lower Upper

59 100

57 6.7 3.0 4.4#



#16

Acetone

Concen: 3.996 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014616.D

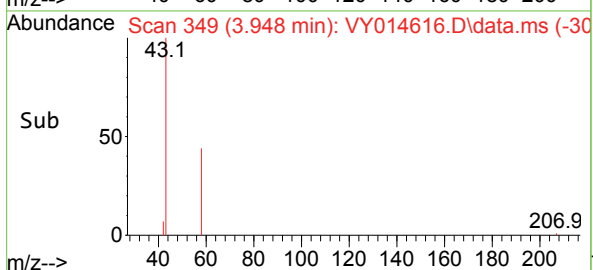
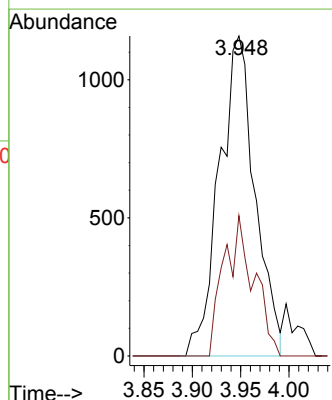
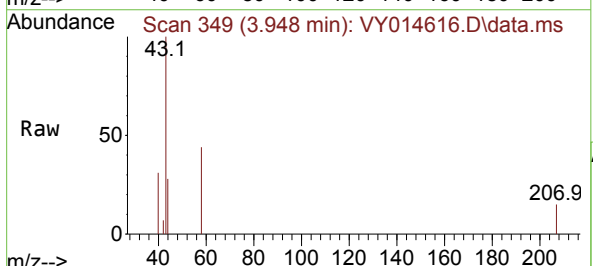
Acq: 10 Jul 2023 14:29

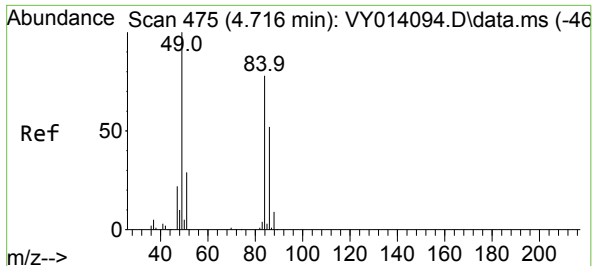
Tgt Ion: 43 Resp: 2976

Ion Ratio Lower Upper

43 100

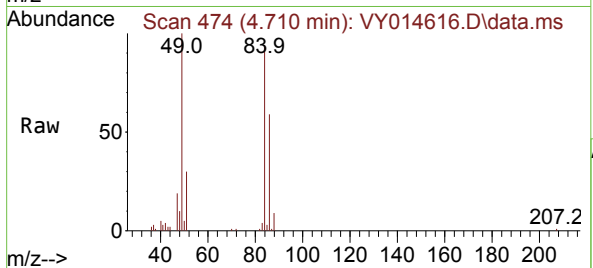
58 43.8 22.7 34.1#



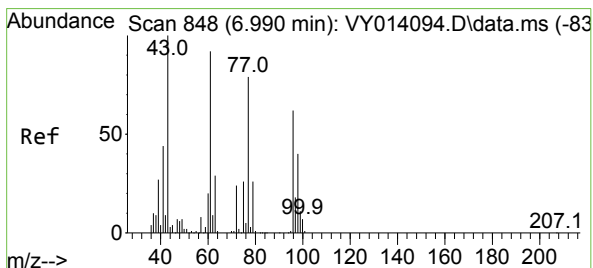
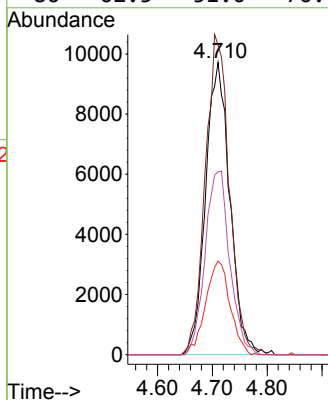
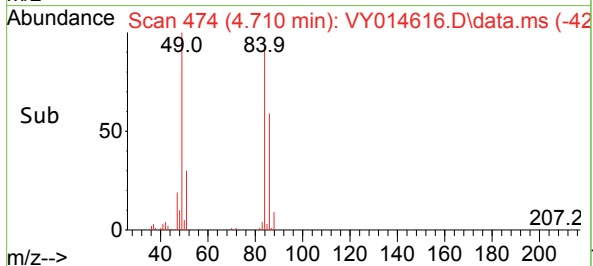


#20
Methylene Chloride
Concen: 6.610 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

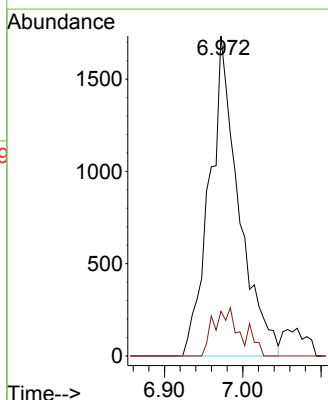
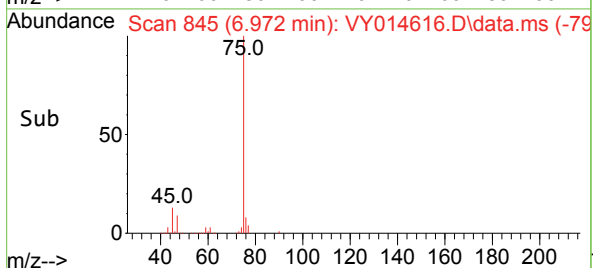
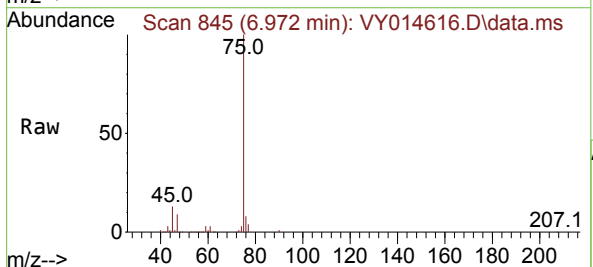


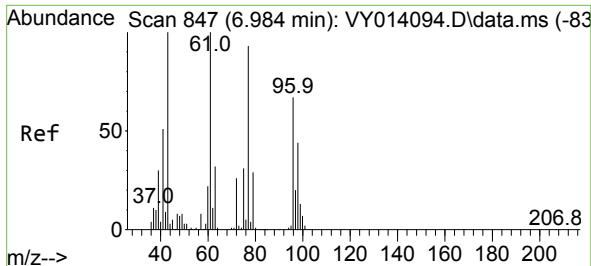
Tgt Ion: 84 Resp: 29858
Ion Ratio Lower Upper
84 100
49 106.0 106.9 160.3#
51 32.0 33.2 49.8#
86 62.5 51.0 76.6



#25
2-Butanone
Concen: 4.083 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Tgt Ion: 43 Resp: 4503
Ion Ratio Lower Upper
43 100
72 14.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.792 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

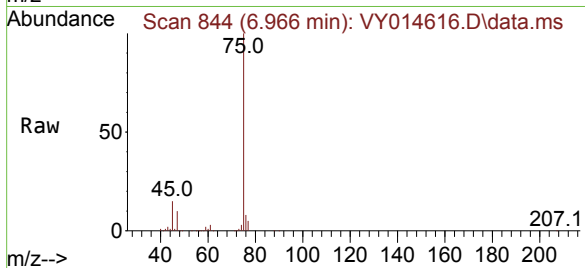
Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

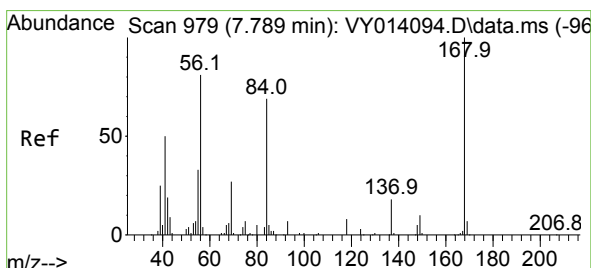
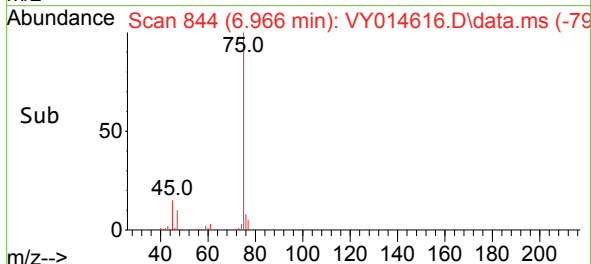
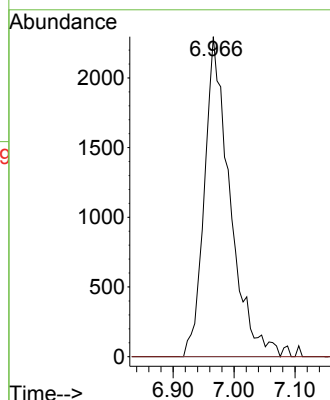


Tgt Ion: 77 Resp: 6697

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.078 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.012 min

Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

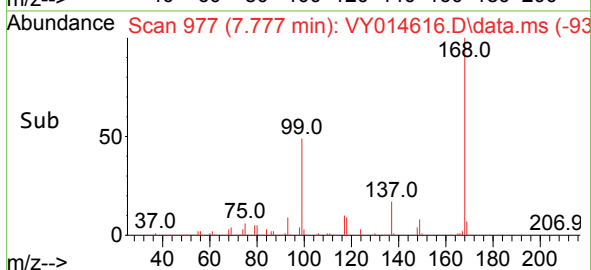
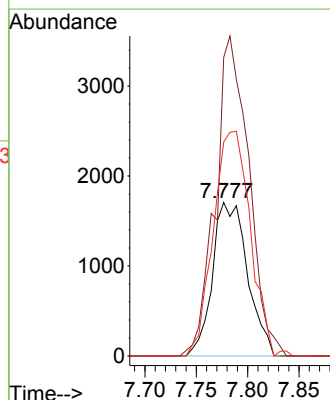
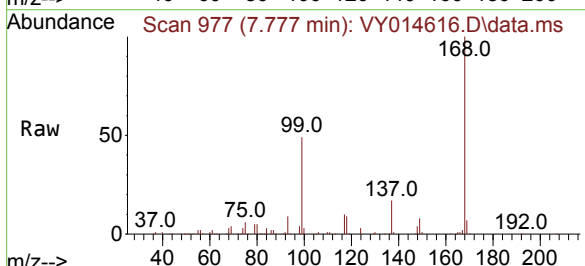
Tgt Ion: 56 Resp: 4032

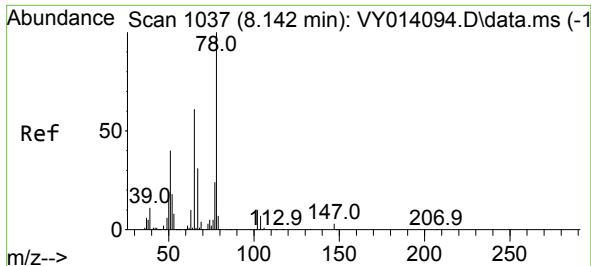
Ion Ratio Lower Upper

56 100

69 194.6 27.8 41.6#

84 139.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.237 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

Instrument :

MSVOA_Y

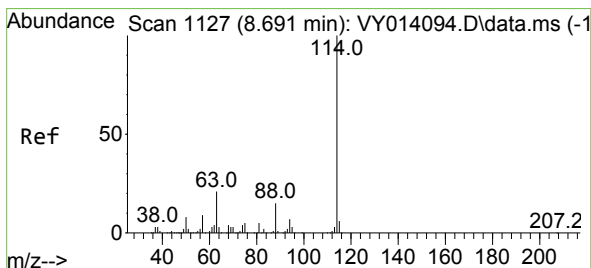
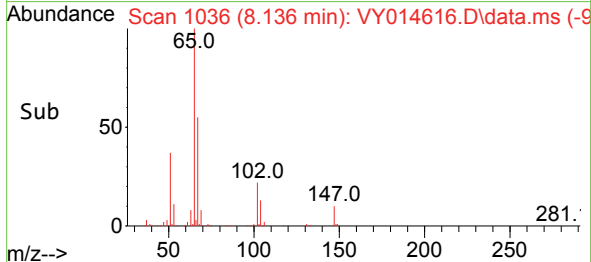
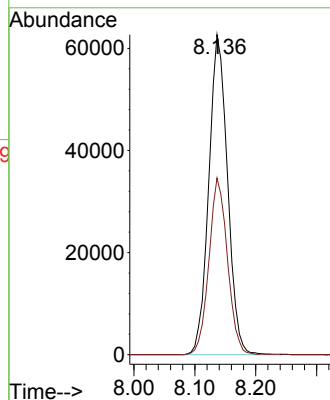
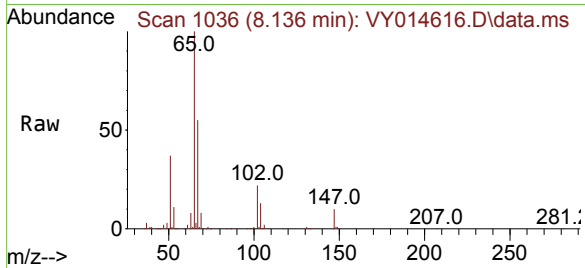
ClientSampleId :

Tgt Ion: 65 Resp: 134112

Ion Ratio Lower Upper

65 100

67 54.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

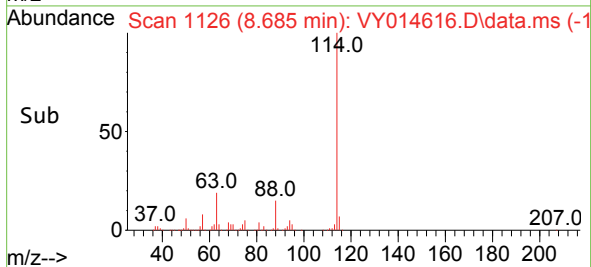
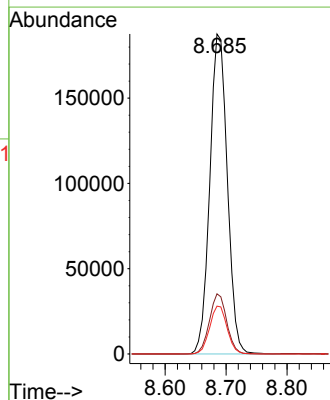
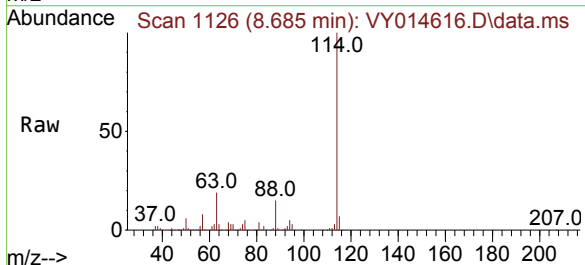
Tgt Ion: 114 Resp: 374419

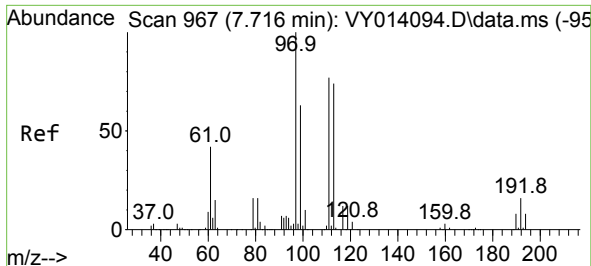
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

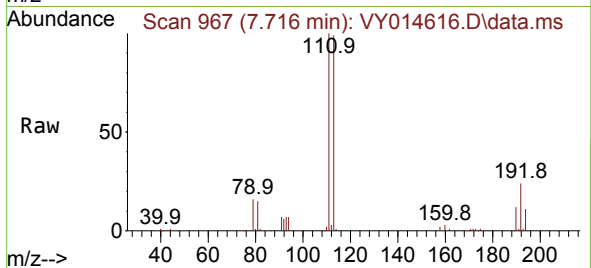
88 14.9 0.0 30.6



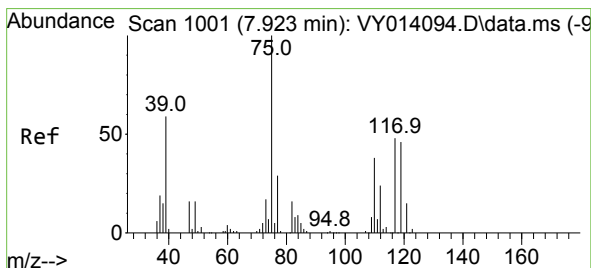
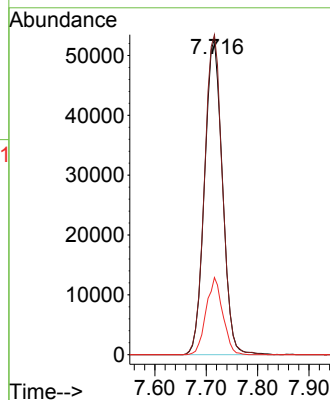
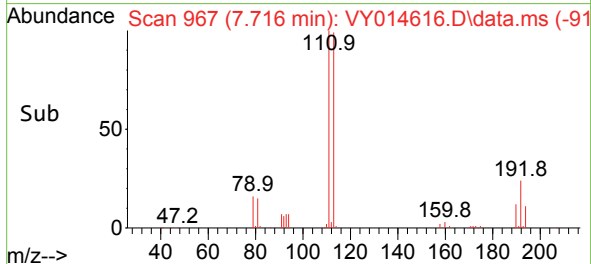


#35
Dibromofluoromethane
Concen: 55.029 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

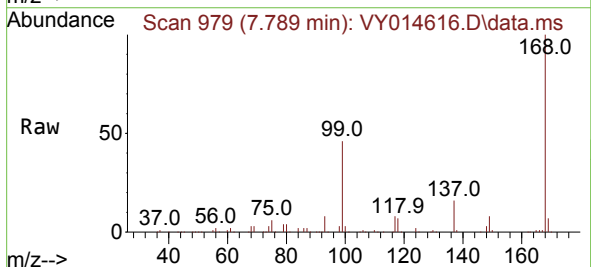
Instrument :
MSVOA_Y
ClientSampleId :



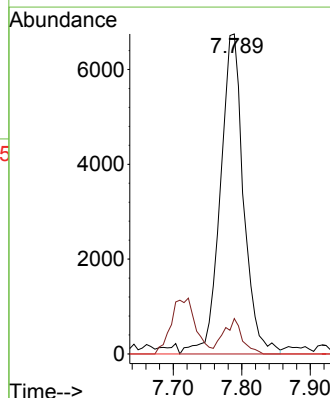
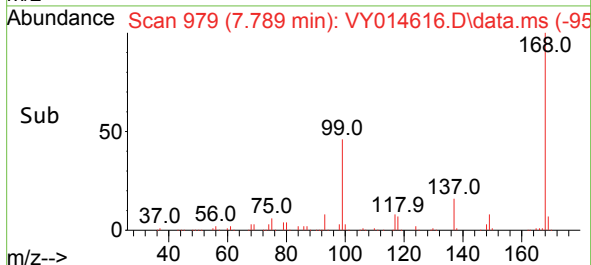
Tgt Ion:113 Resp: 126881
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 22.9 16.9 25.3

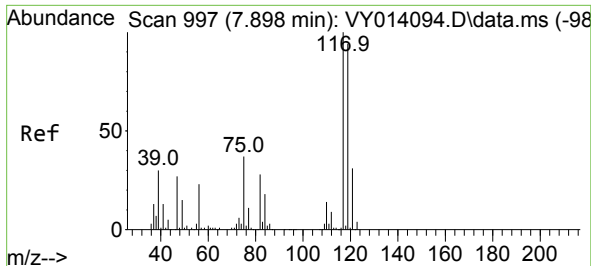


#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29



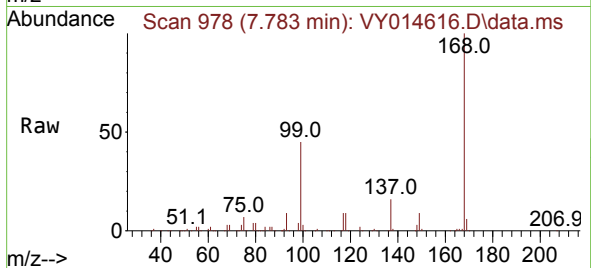
Tgt Ion: 75 Resp: 15897
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#



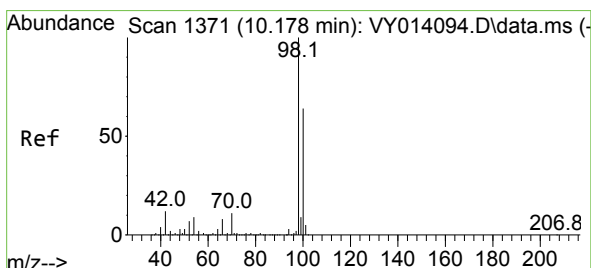
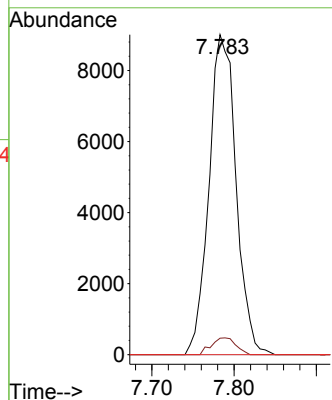
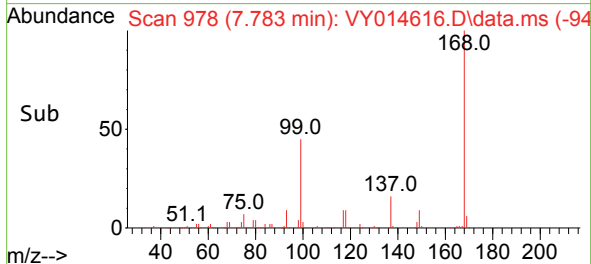


#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Instrument :
MSVOA_Y
ClientSampleId :

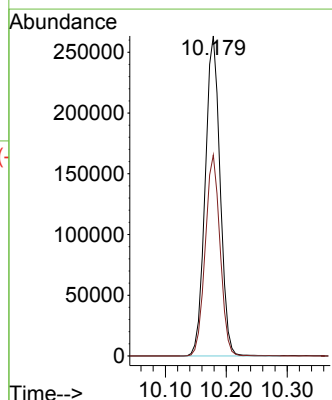
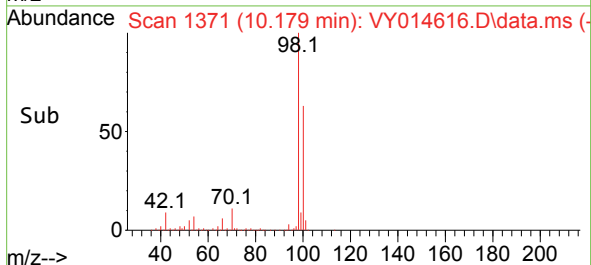
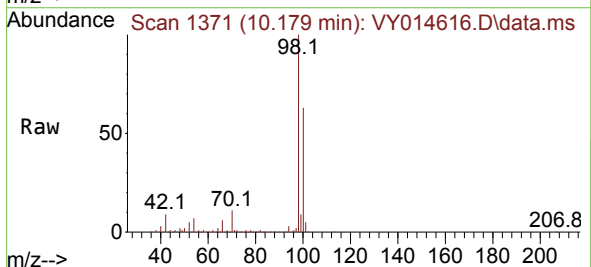


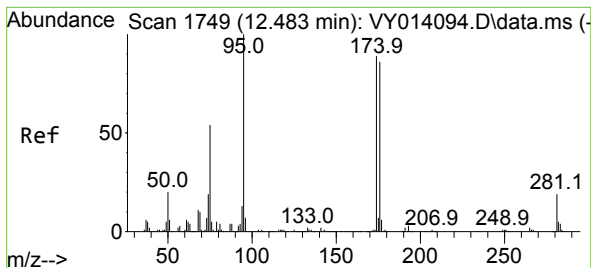
Tgt Ion:117 Resp: 20629
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.026 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Tgt Ion: 98 Resp: 446852
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1

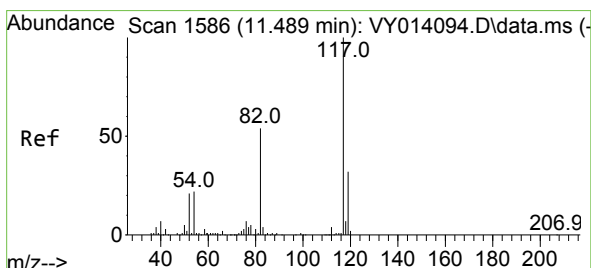
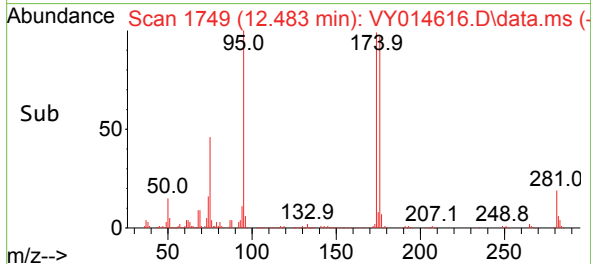
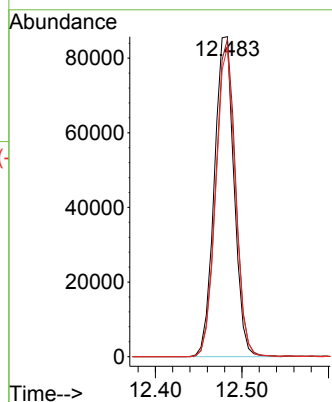
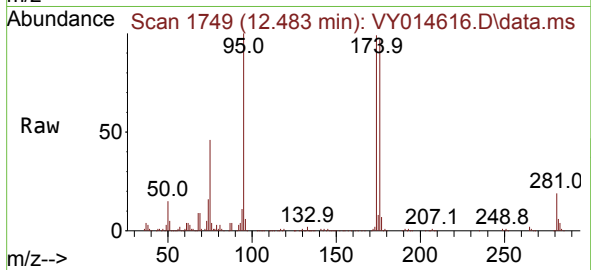




#62
4-Bromofluorobenzene
Concen: 42.936 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

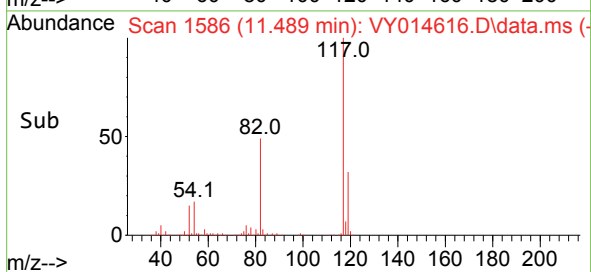
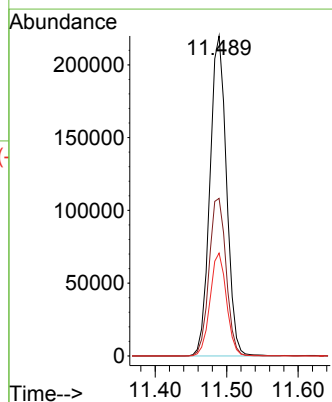
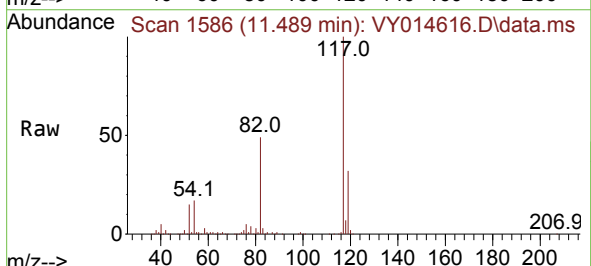
Instrument :
MSVOA_Y
ClientSampleId :

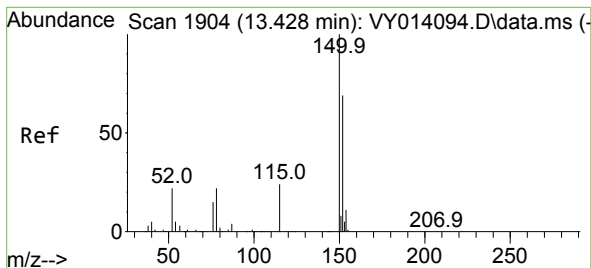
Tgt Ion: 95 Resp: 135891
Ion Ratio Lower Upper
95 100
174 99.1 0.0 178.2
176 95.3 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014616.D
Acq: 10 Jul 2023 14:29

Tgt Ion: 117 Resp: 354318
Ion Ratio Lower Upper
117 100
82 49.3 43.4 65.0
119 32.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY014616.D

Acq: 10 Jul 2023 14:29

Instrument :

MSVOA_Y

ClientSampleId :

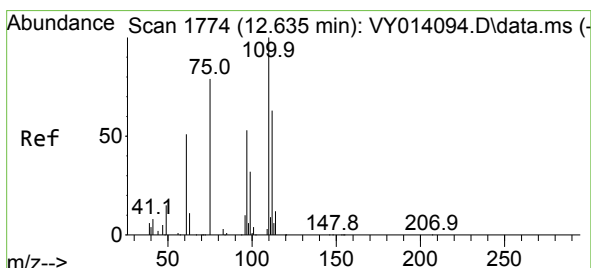
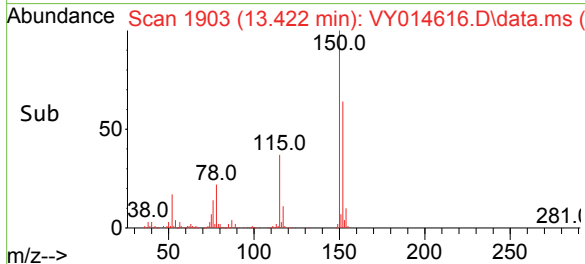
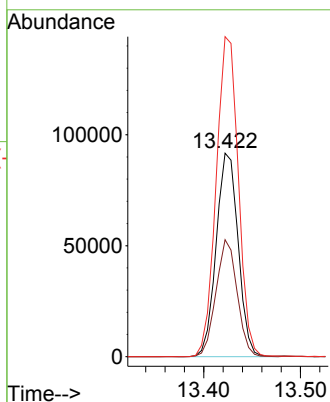
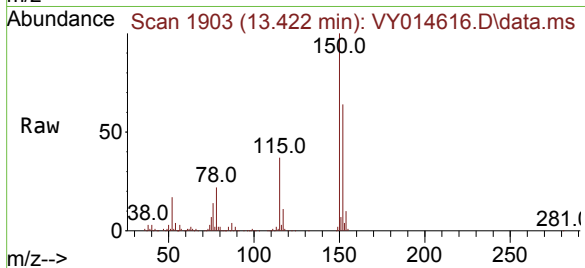
Tgt Ion:152 Resp: 144391

Ion Ratio Lower Upper

152 100

115 55.4 28.8 86.5

150 159.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.966 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014616.D

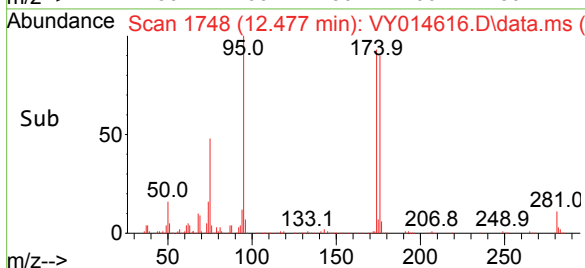
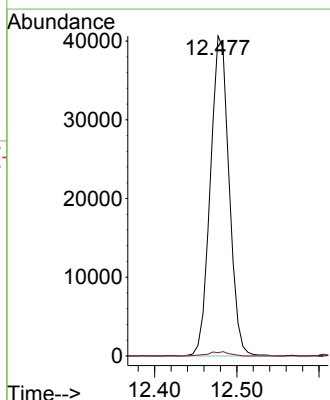
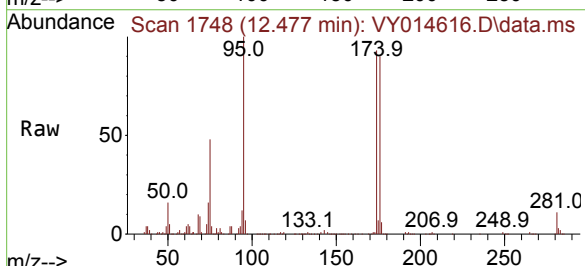
Acq: 10 Jul 2023 14:29

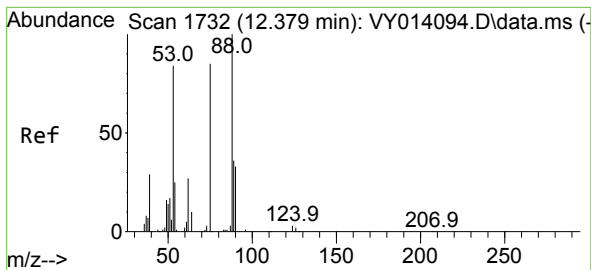
Tgt Ion: 75 Resp: 64329

Ion Ratio Lower Upper

75 100

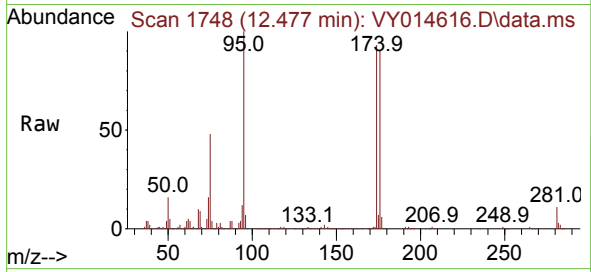
77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.898 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014616.D
 Acq: 10 Jul 2023 14:29

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	77.8	116.8#
89	0.2	37.4	56.0#

