

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062623\
 Data File : VY014435.D
 Acq On : 26 Jun 2023 15:40
 Operator : KP/MD
 Sample : 03402-07
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP4-0623

Quant Time: Jun 27 01:48:26 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)

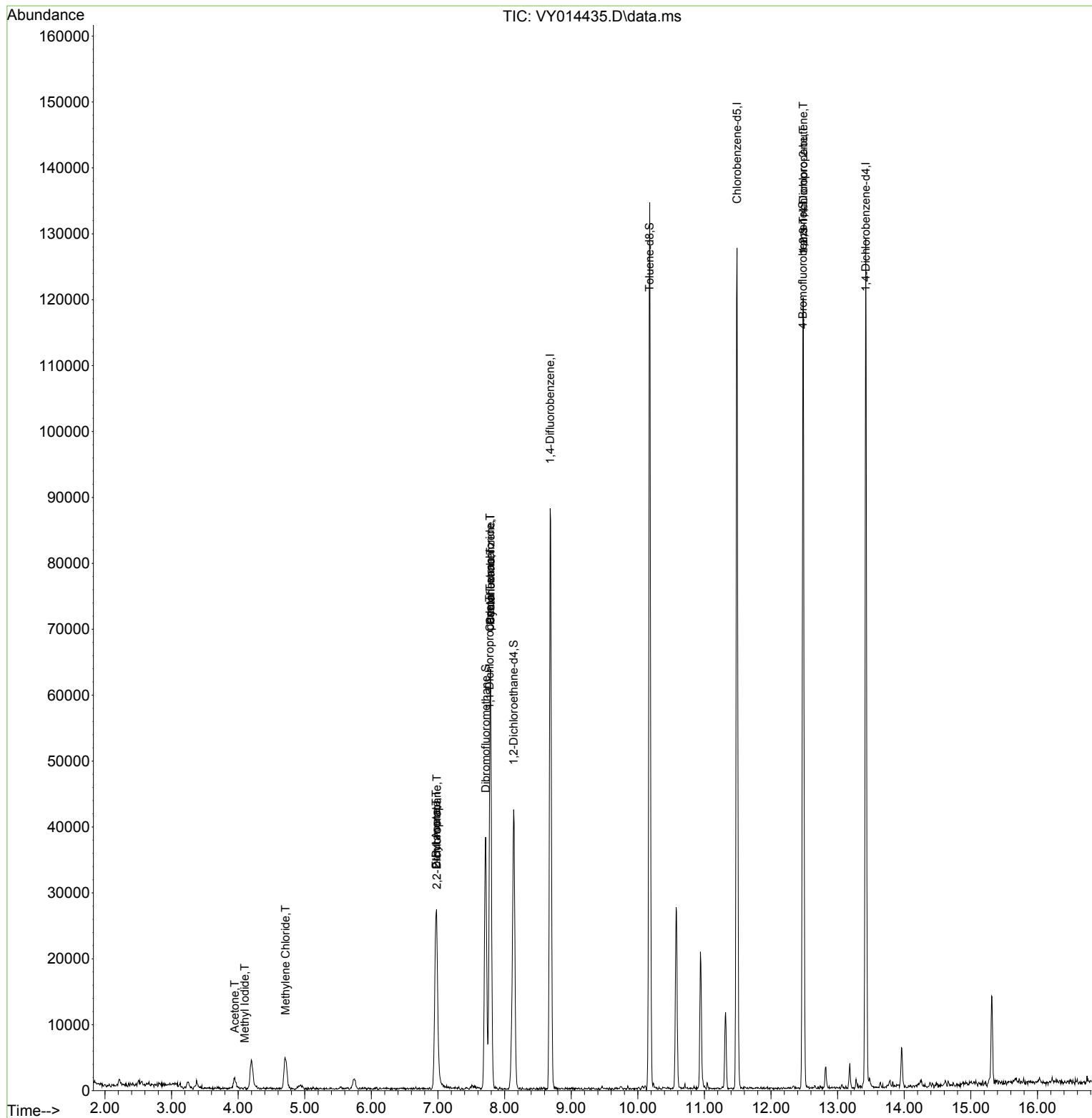
Internal Standards						
1) Pentafluorobenzene	7.789	168	51670	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	76044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	71017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	33787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	34356	53.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.100%			
35) Dibromofluoromethane	7.716	113	24682	52.535	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.080%			
50) Toluene-d8	10.179	98	88870	47.586	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.180%			
62) 4-Bromofluorobenzene	12.477	95	27064	40.592	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.180%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	139	3.082	ug/l #	38
11) Tert butyl alcohol	4.960	59	318	Below Cal	#	89
16) Acetone	3.948	43	3037	15.045	ug/l #	87
20) Methylene Chloride	4.710	84	3926	1.325	ug/l #	75
25) 2-Butanone	6.972	43	1500	5.966	ug/l #	49
26) 2,2-Dichloropropane	6.984	77	2153	2.270	ug/l #	54
31) Cyclohexane	7.789	56	1027	1.296	ug/l #	20
36) 1,1-Dichloropropene	7.777	75	3529	4.874	ug/l #	51
37) Ethyl Acetate	6.972	43	1500	3.006	ug/l #	1
38) Carbon Tetrachloride	7.783	117	5062	5.556	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	15693	37.027	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	15693	84.297	ug/l #	11

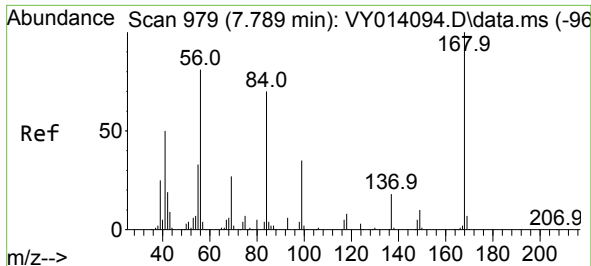
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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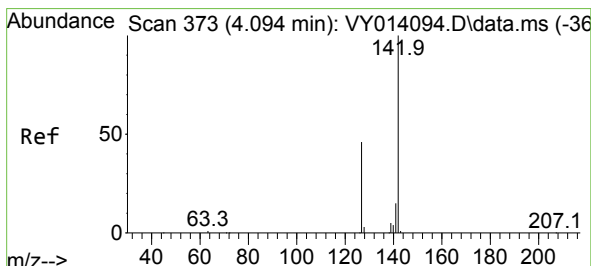
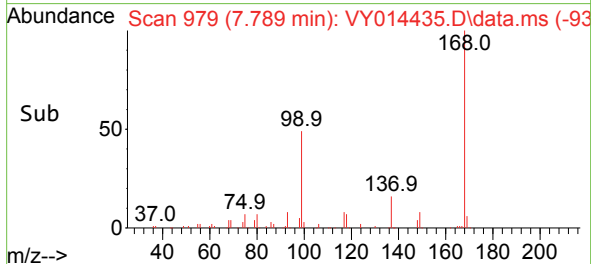
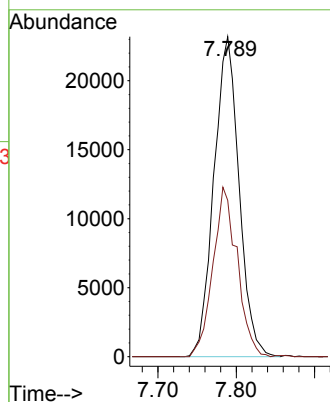
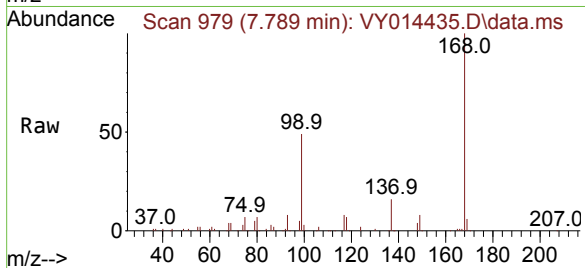




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

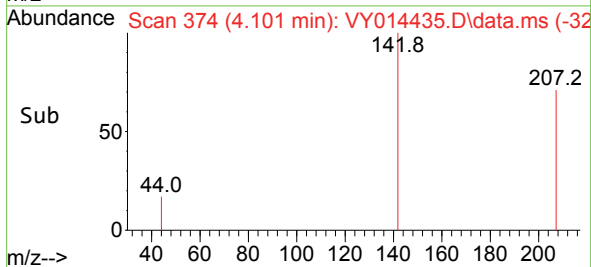
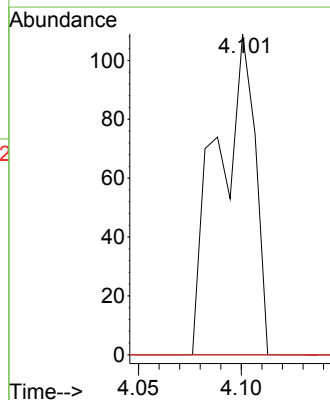
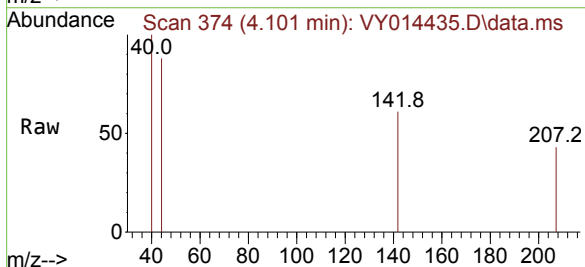
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623

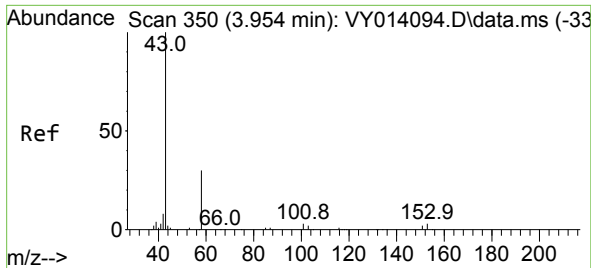
Tgt Ion:168 Resp: 51670
Ion Ratio Lower Upper
168 100
99 48.9 43.4 65.0



#10
Methyl Iodide
Concen: 3.082 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.007 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion:142 Resp: 139
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 15.045 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY014435.D

Acq: 26 Jun 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

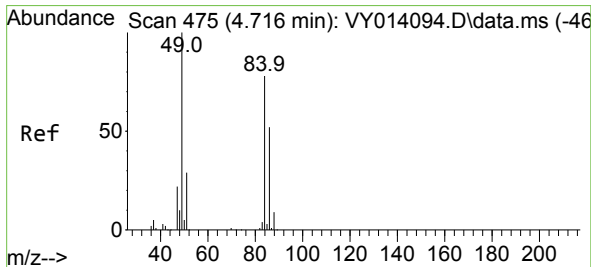
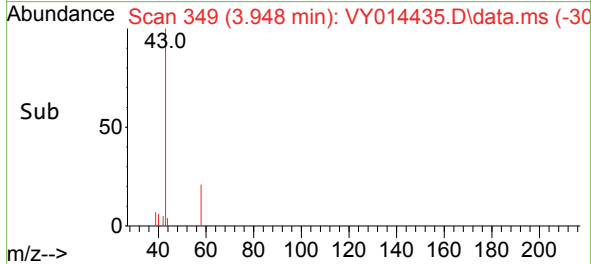
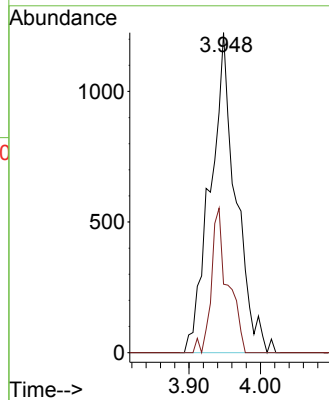
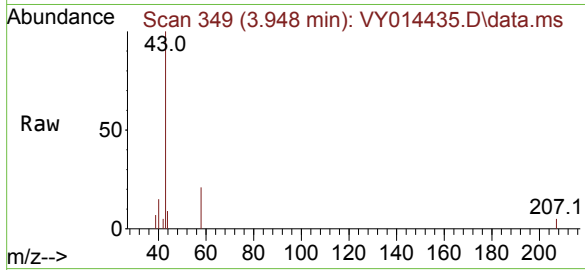
TP4-0623

Tgt Ion: 43 Resp: 3037

Ion Ratio Lower Upper

43 100

58 21.4 22.7 34.1#



#20

Methylene Chloride

Concen: 1.325 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014435.D

Acq: 26 Jun 2023 15:40

Tgt Ion: 84 Resp: 3926

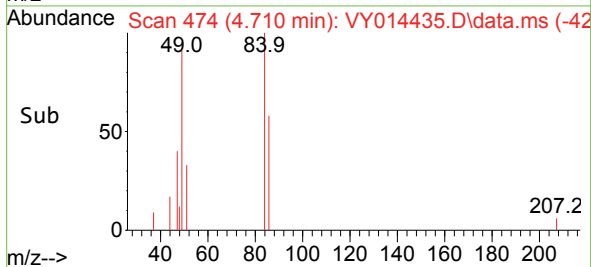
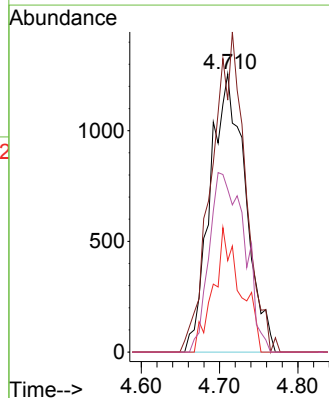
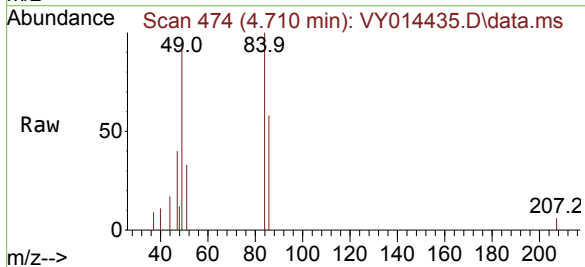
Ion Ratio Lower Upper

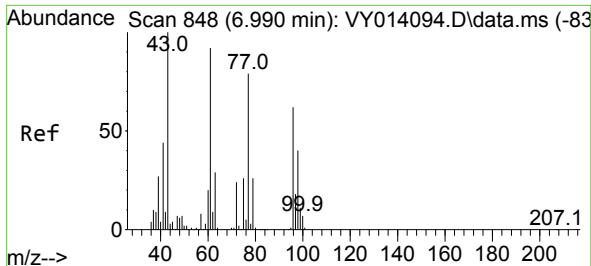
84 100

49 90.5 106.9 160.3#

51 32.9 33.2 49.8#

86 58.5 51.0 76.6

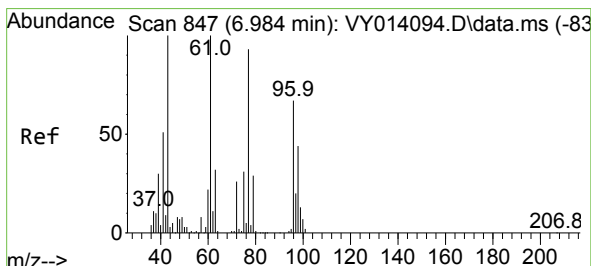
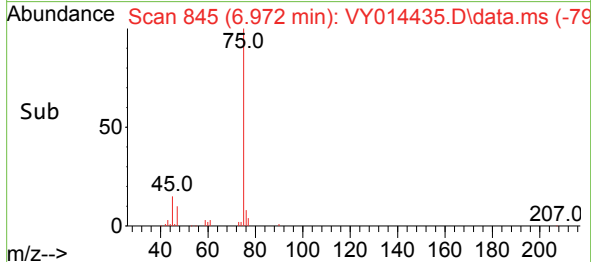
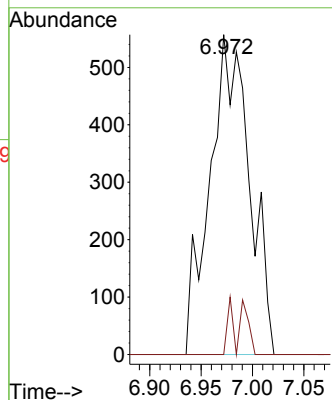
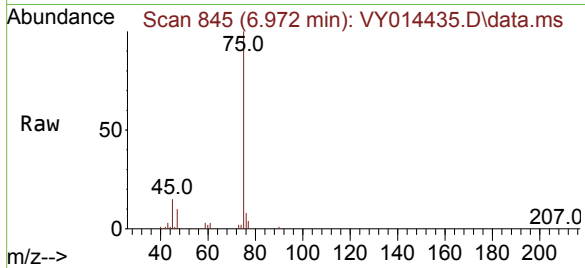




#25
2-Butanone
Concen: 5.966 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

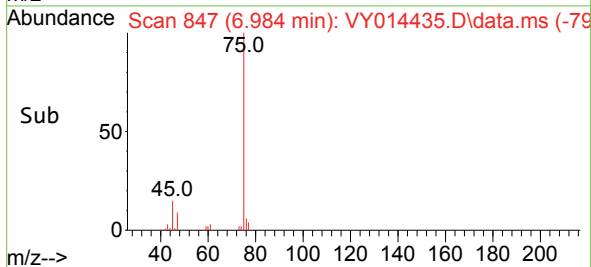
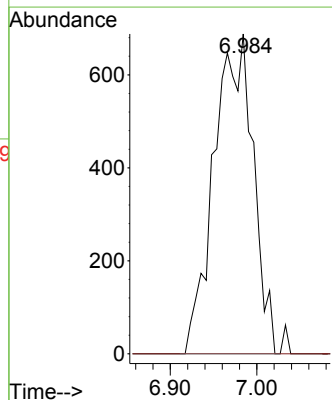
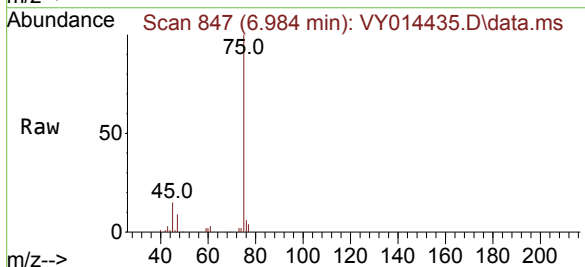
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623

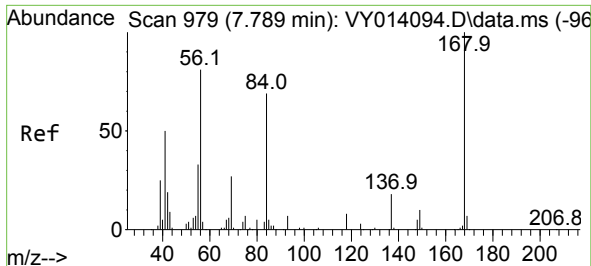
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 2.270 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion: 77 Resp: 2153
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#31

Cyclohexane

Concen: 1.296 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY014435.D

Acq: 26 Jun 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

TP4-0623

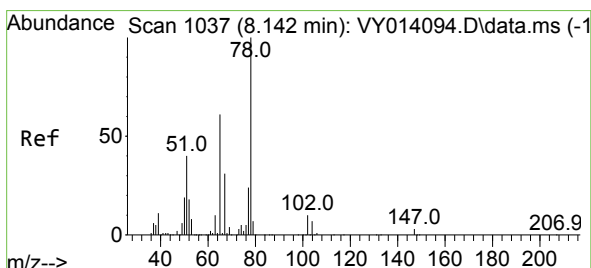
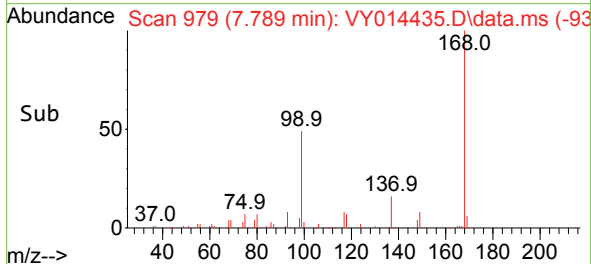
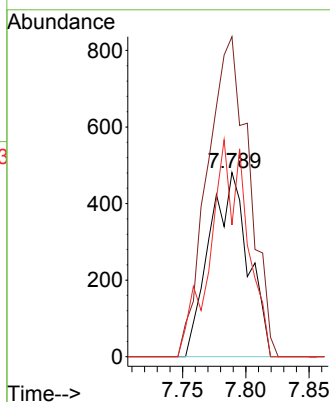
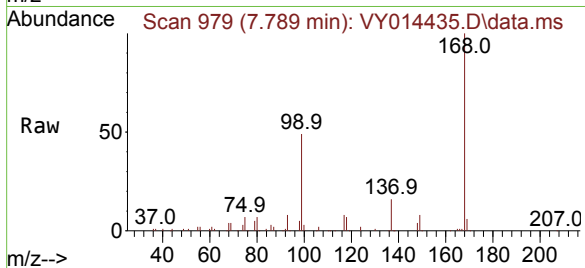
Tgt Ion: 56 Resp: 1027

Ion Ratio Lower Upper

56 100

69 173.8 27.8 41.6#

84 71.5 66.4 99.6



#33

1,2-Dichloroethane-d4

Concen: 53.553 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY014435.D

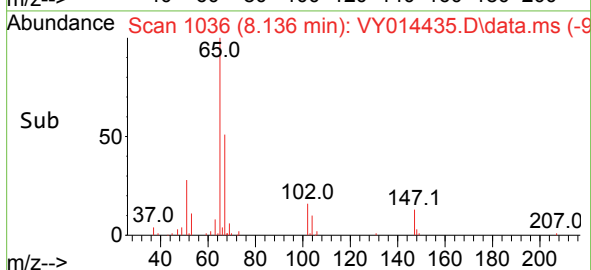
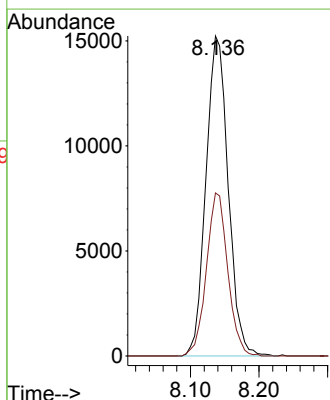
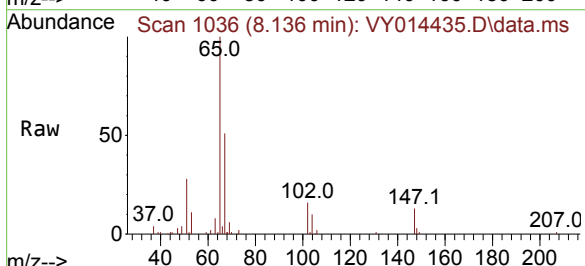
Acq: 26 Jun 2023 15:40

Tgt Ion: 65 Resp: 34356

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.8

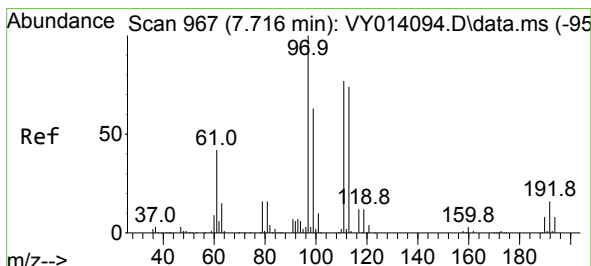
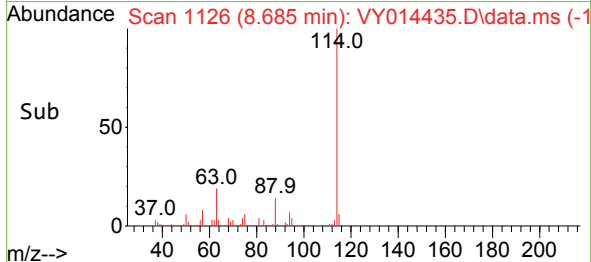
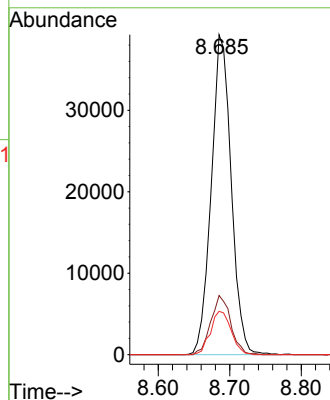
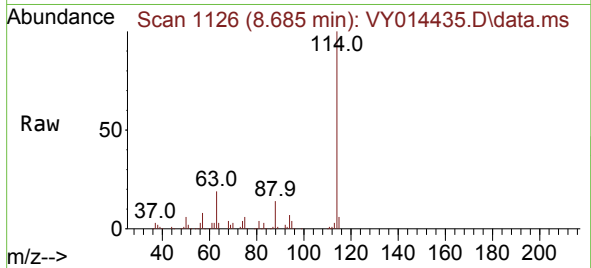




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

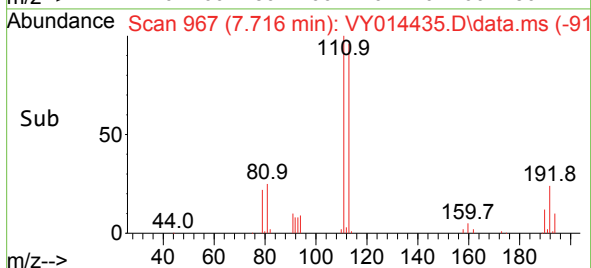
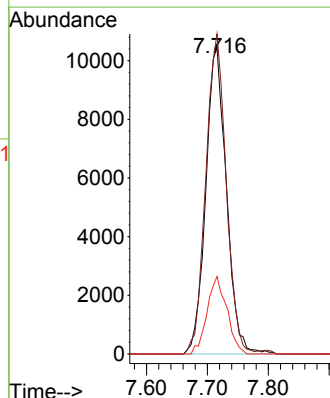
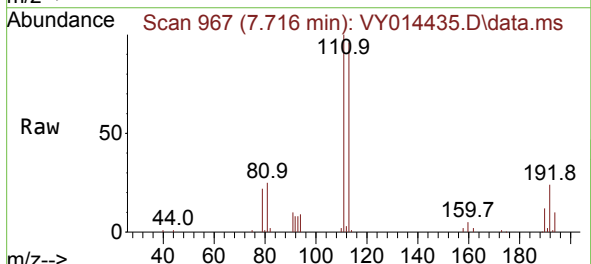
Instrument :
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ClientSampleId :
TP4-0623

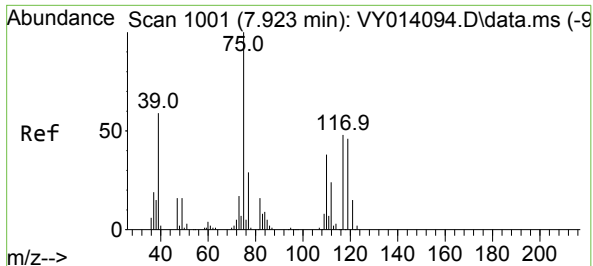
Tgt Ion:	114	Resp:	76044
Ion Ratio	Lower	Upper	
114	100		
63	18.5	0.0	42.4
88	13.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 52.535 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion:	113	Resp:	24682
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.3	121.9
192	24.2	16.9	25.3

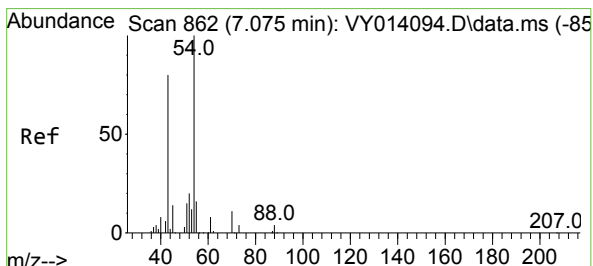
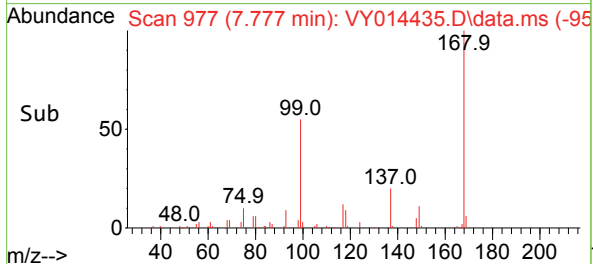
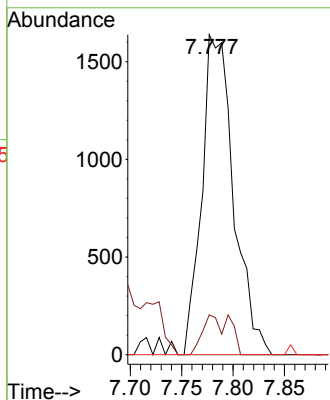
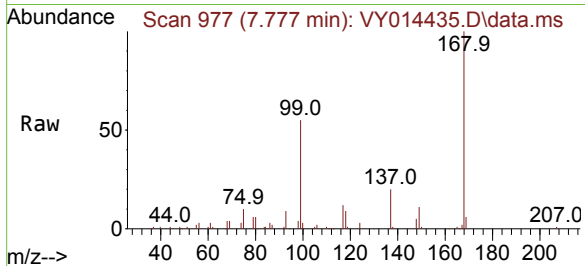




#36
1,1-Dichloropropene
Concen: 4.874 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.146 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

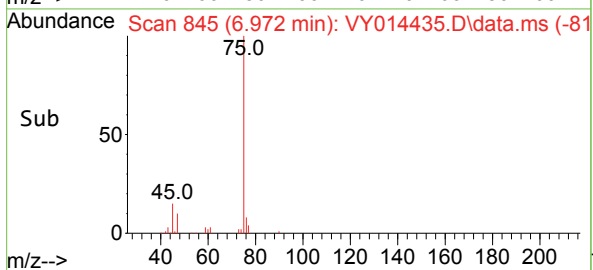
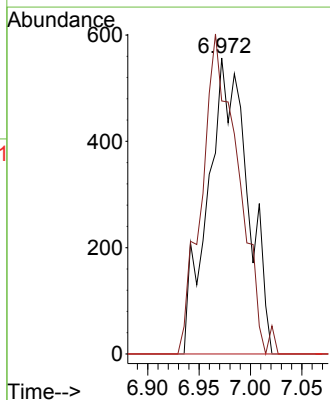
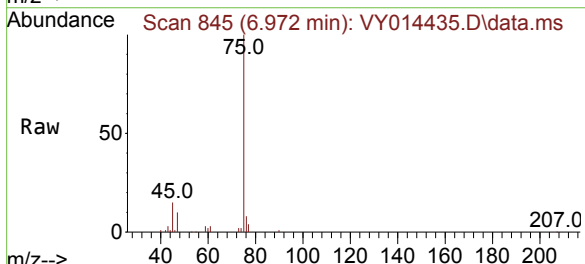
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TP4-0623

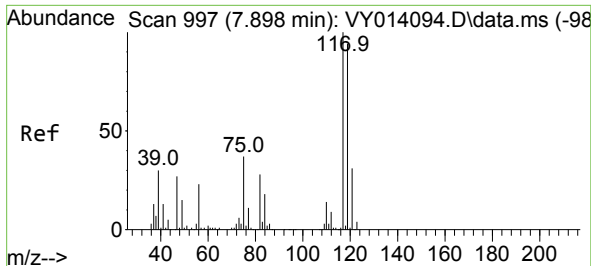
Tgt Ion: 75 Resp: 3529
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 3.006 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.103 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
61 99.2 10.1 15.1#
70 0.0 7.1 10.7#

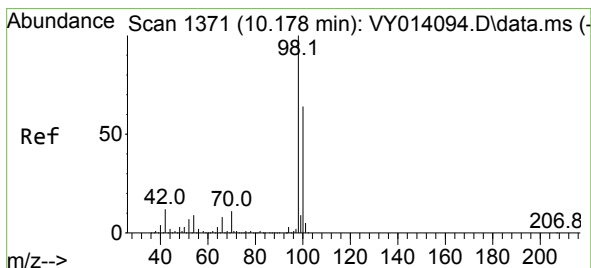
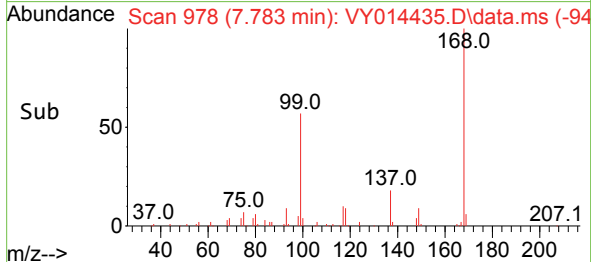
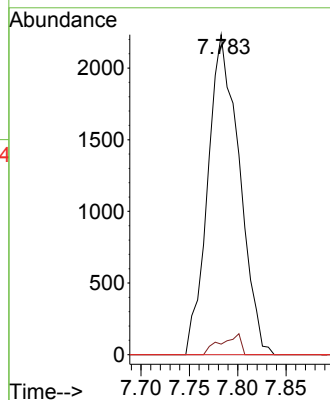
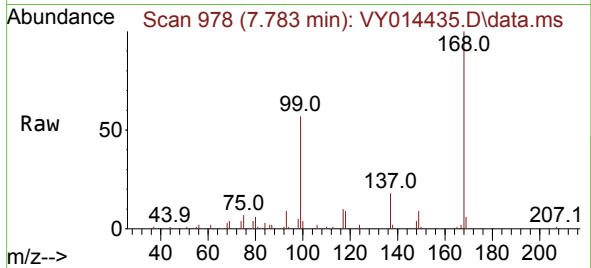




#38
Carbon Tetrachloride
Concen: 5.556 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

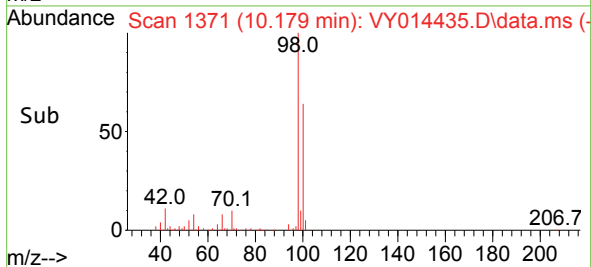
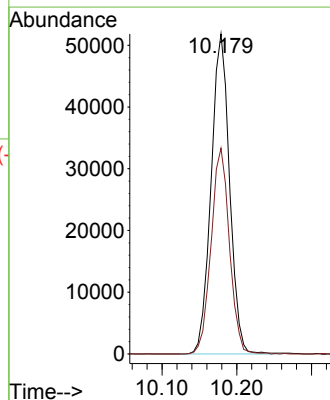
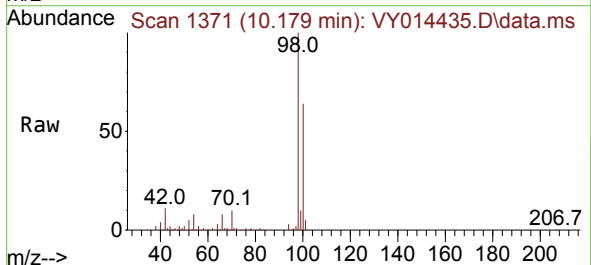
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623

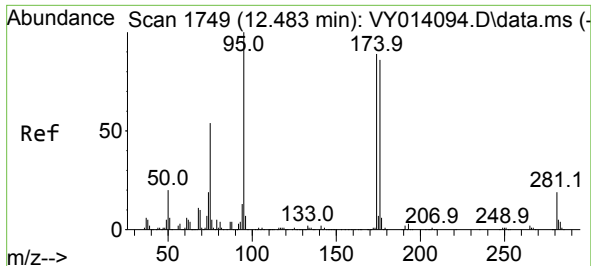
Tgt Ion:117 Resp: 5062
Ion Ratio Lower Upper
117 100
119 3.3 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.586 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion: 98 Resp: 88870
Ion Ratio Lower Upper
98 100
100 63.9 50.1 75.1

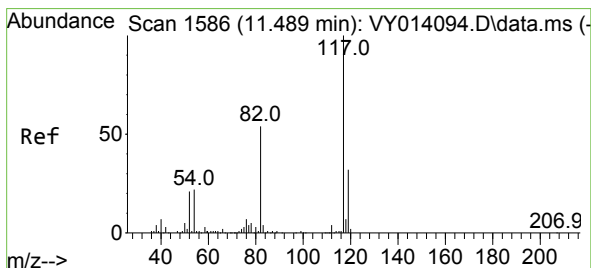
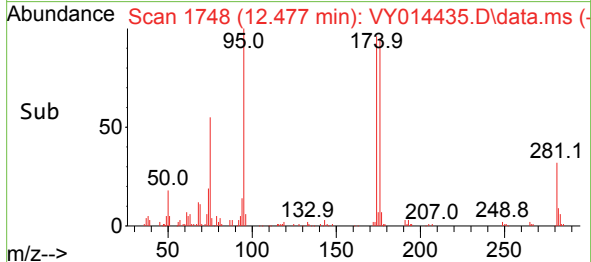
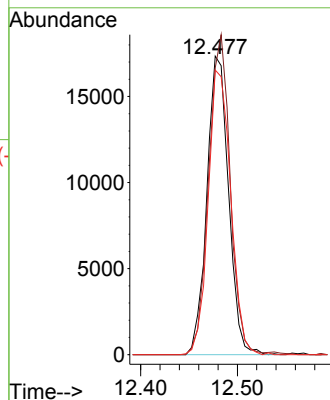
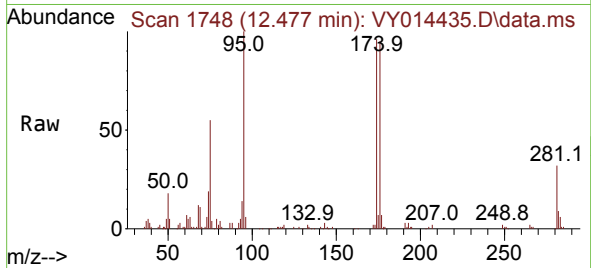




#62
4-Bromofluorobenzene
Concen: 40.592 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

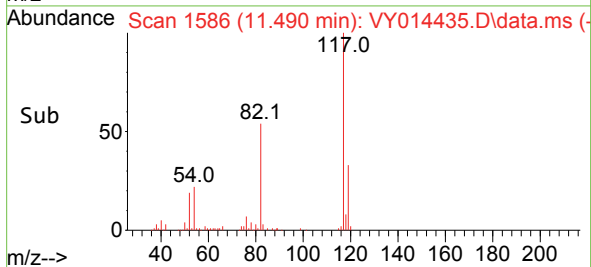
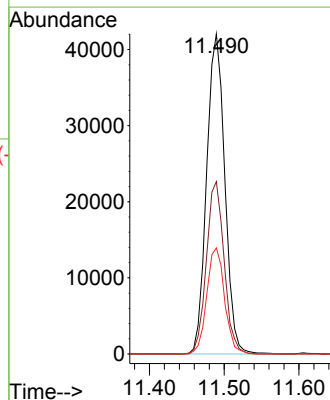
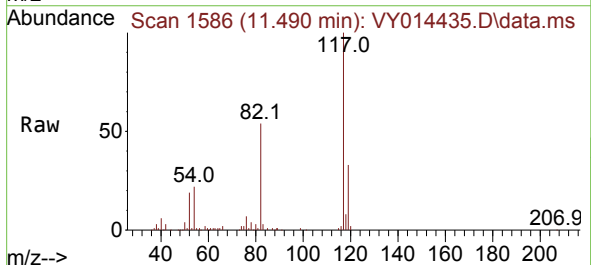
Instrument :
MSVOA_Y
ClientSampleId :
TP4-0623

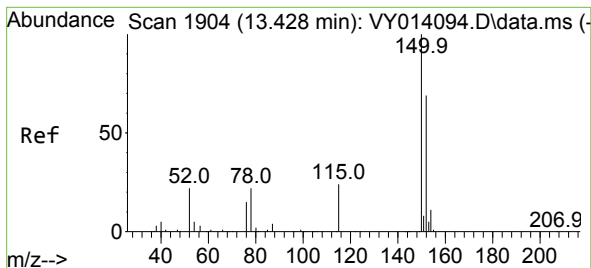
Tgt Ion:	95	Resp:	27064
Ion	Ratio	Lower	Upper
95	100		
174	106.9	0.0	178.2
176	99.3	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014435.D
Acq: 26 Jun 2023 15:40

Tgt Ion:	117	Resp:	71017
Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.4	65.0
119	33.2	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: VY014435.D

Acq: 26 Jun 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

TP4-0623

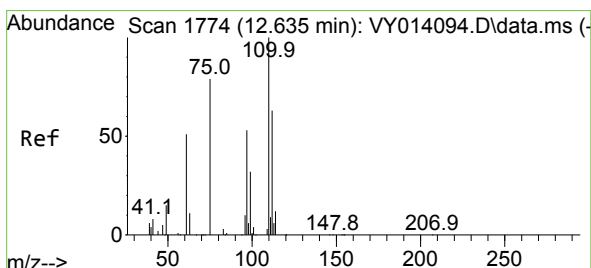
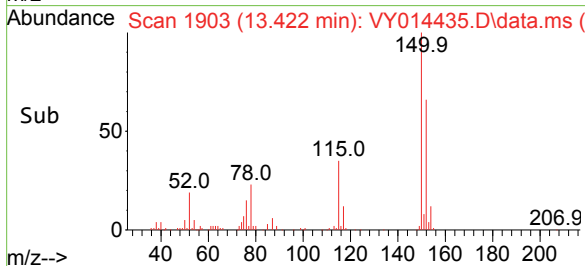
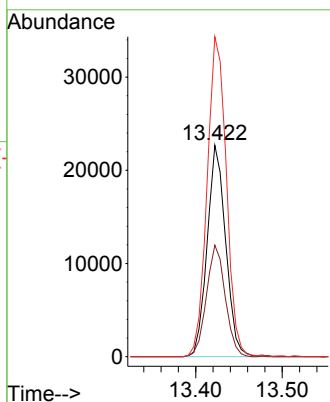
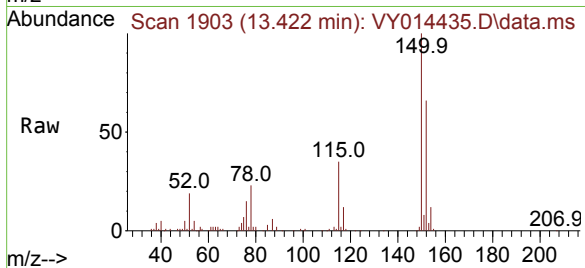
Tgt Ion:152 Resp: 33787

Ion Ratio Lower Upper

152 100

115 53.5 28.8 86.5

150 156.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.027 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014435.D

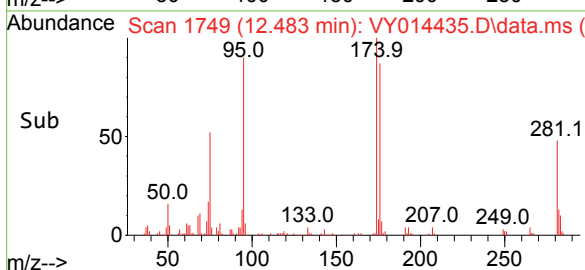
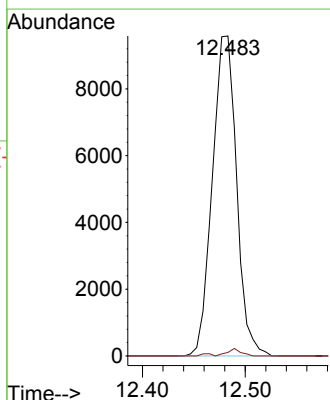
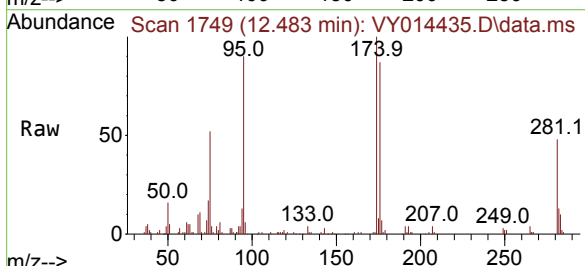
Acq: 26 Jun 2023 15:40

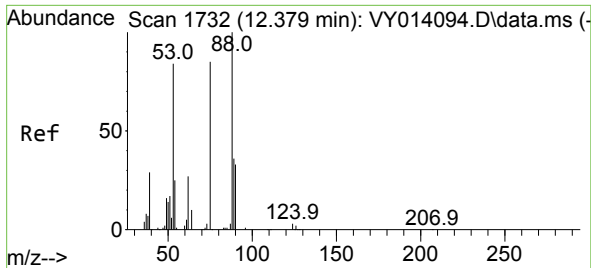
Tgt Ion: 75 Resp: 15693

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.297 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014435.D
 Acq: 26 Jun 2023 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP4-0623

Tgt Ion: 75 Resp: 15693
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.4 37.4 56.0#

