

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014587.D
 Acq On : 06 Jul 2023 14:42
 Operator : KP/MD
 Sample : 03522-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 07 06:13:55 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)

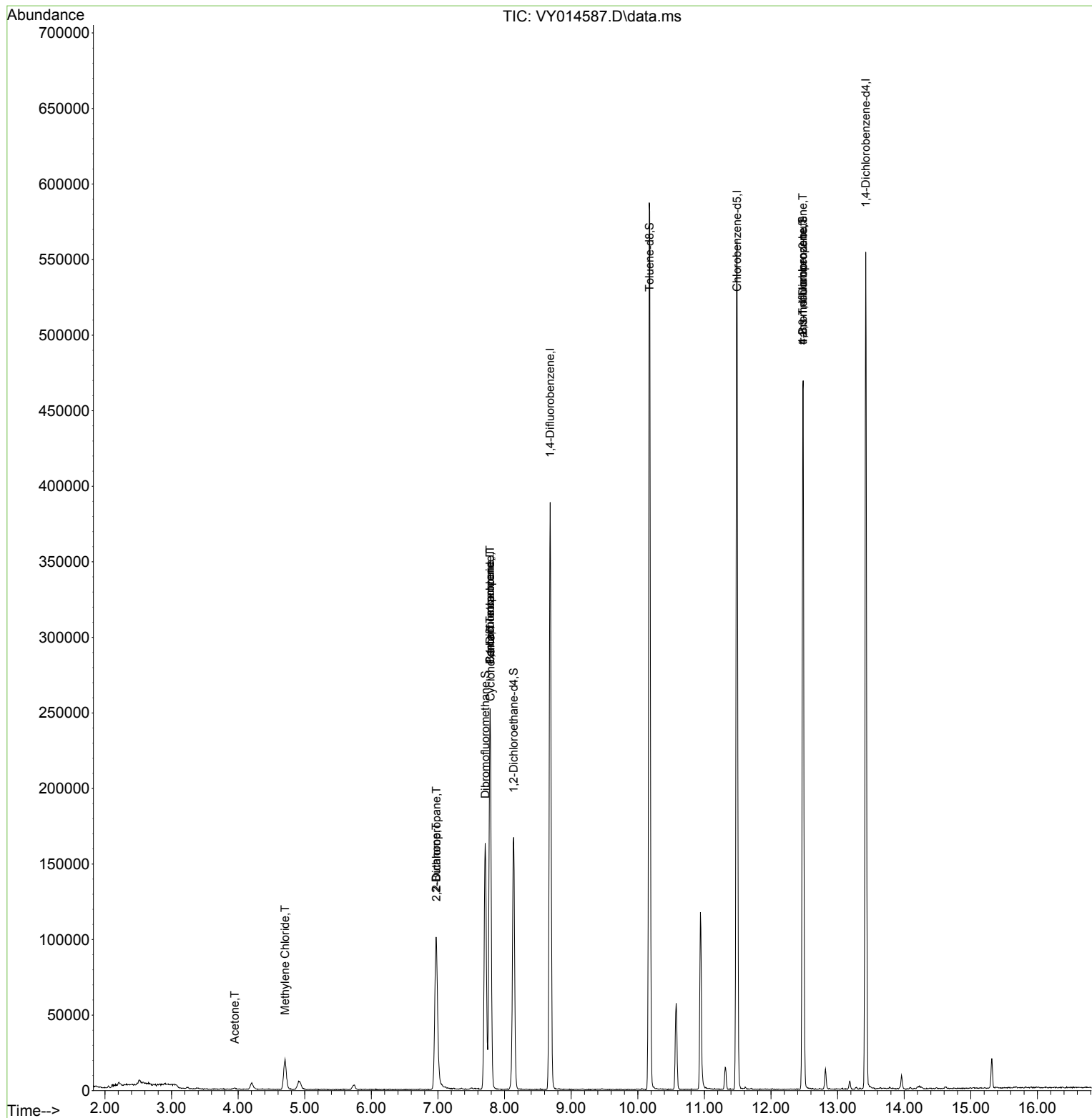
Internal Standards						
1) Pentafluorobenzene	7.783	168	210150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	336408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	131921	63.104	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.200%	
35) Dibromofluoromethane	7.710	113	115812	55.904	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.800%	
50) Toluene-d8	10.179	98	410190	50.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.180%	
62) 4-Bromofluorobenzene	12.477	95	131998	46.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.840%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	70	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	6334	Below Cal	#	90
16) Acetone	3.948	43	1469	2.250	ug/l #	81
20) Methylene Chloride	4.704	84	14632	1.148	ug/l	94
25) 2-Butanone	6.972	43	4716	4.879	ug/l #	84
26) 2,2-Dichloropropane	6.978	77	7751	2.366	ug/l #	54
31) Cyclohexane	7.789	56	3771	1.150	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14927	4.705	ug/l #	48
38) Carbon Tetrachloride	7.783	117	17943	5.418	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	64519	35.709	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64519	69.504	ug/l #	11

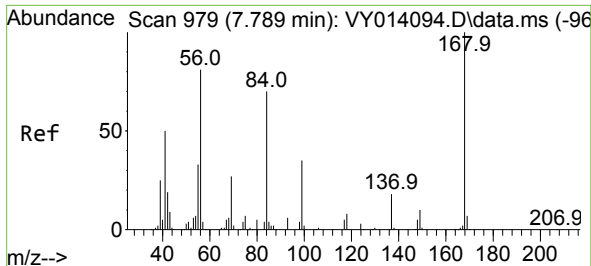
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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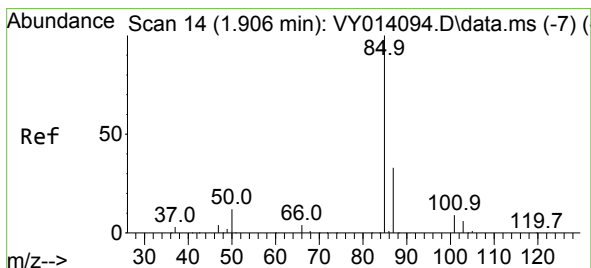
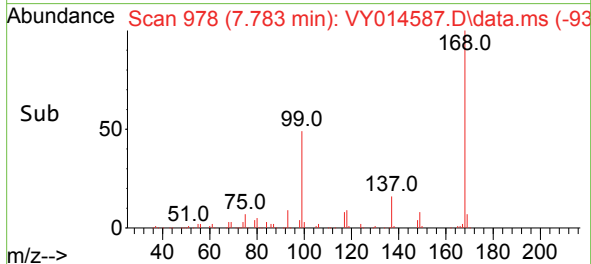
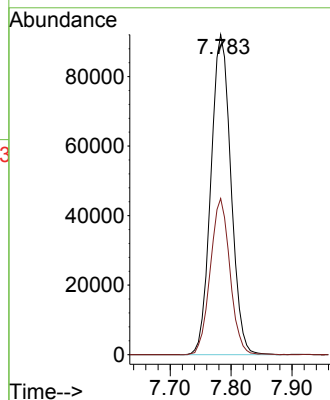
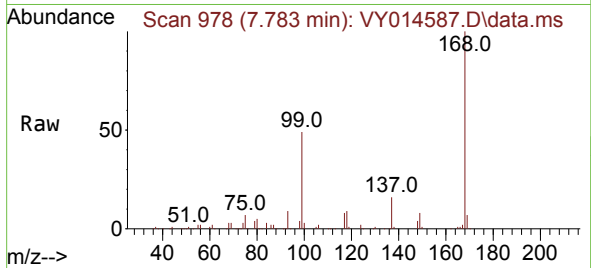




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

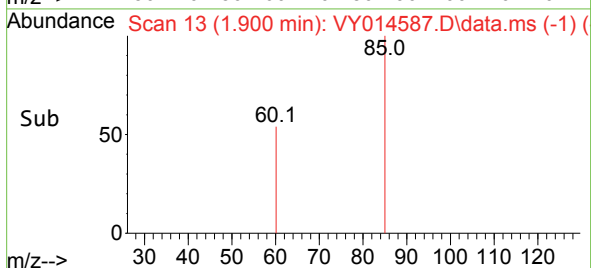
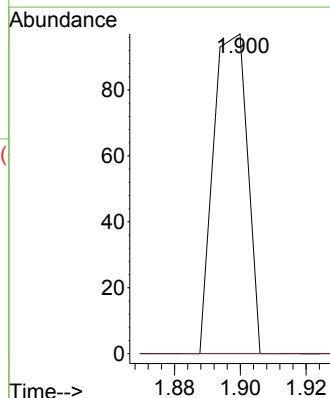
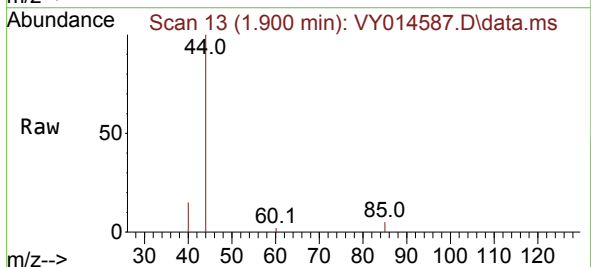
Instrument :
MSVOA_Y
ClientSampleId :

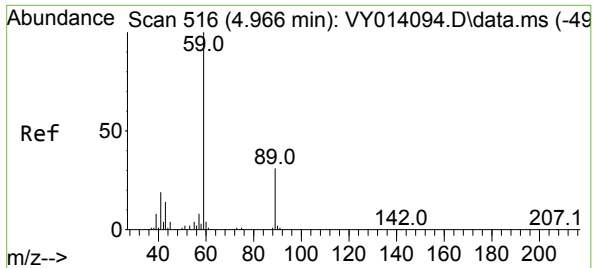
Tgt Ion:168 Resp: 210150
Ion Ratio Lower Upper
168 100
99 48.8 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Tgt Ion: 85 Resp: 70
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.918 min Scan# 50

Delta R.T. -0.048 min

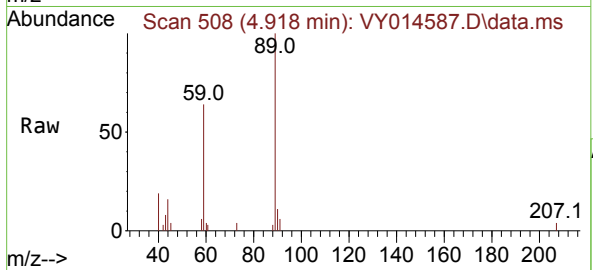
Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

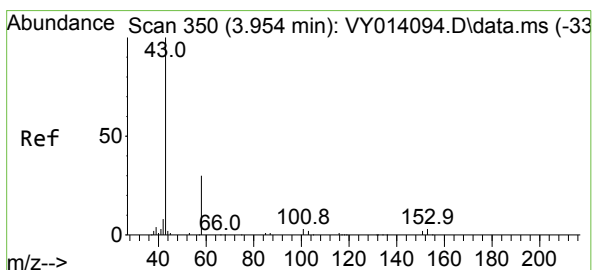
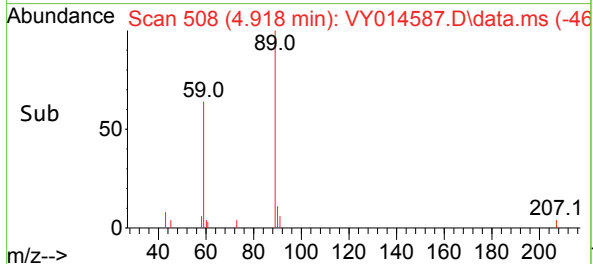
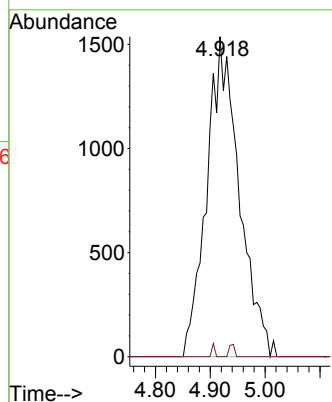


Tgt Ion: 59 Resp: 6334

Ion Ratio Lower Upper

59 100

57 0.4 3.0 4.4#



#16

Acetone

Concen: 2.250 ug/l

RT: 3.948 min Scan# 349

Delta R.T. -0.006 min

Lab File: VY014587.D

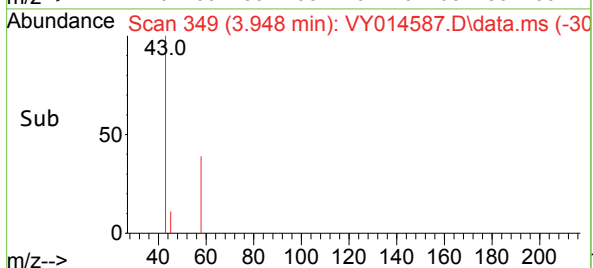
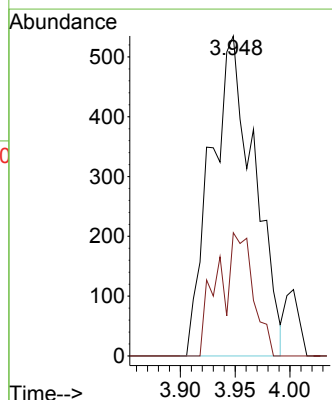
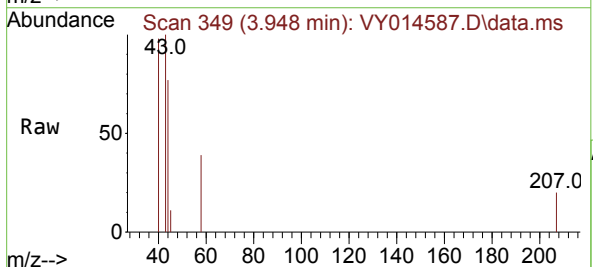
Acq: 06 Jul 2023 14:42

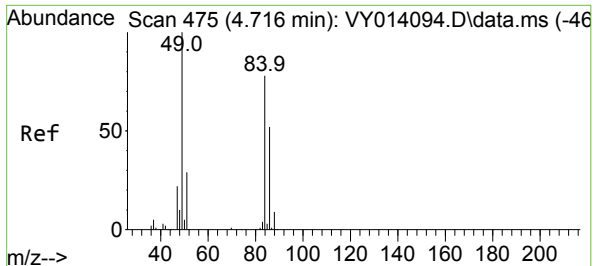
Tgt Ion: 43 Resp: 1469

Ion Ratio Lower Upper

43 100

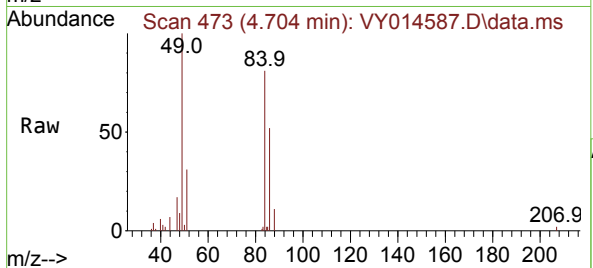
58 38.5 22.7 34.1#



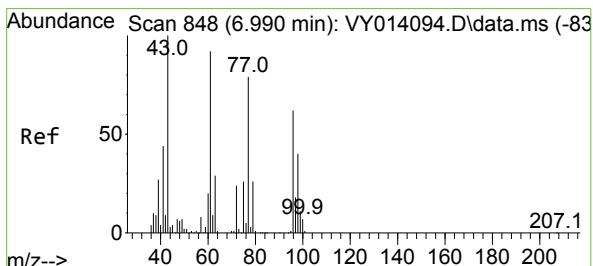
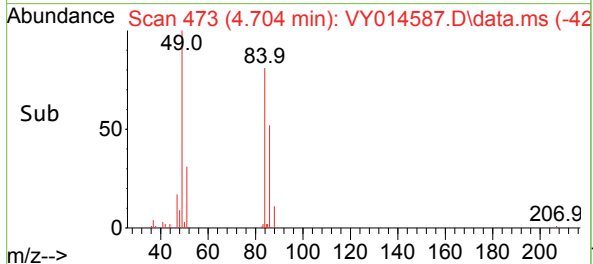
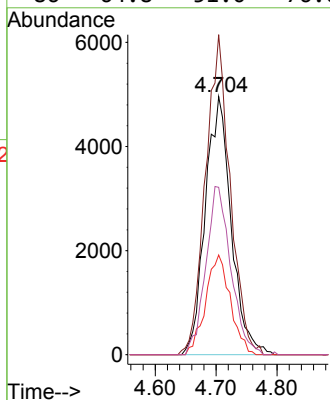


#20
Methylene Chloride
Concen: 1.148 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Instrument :
MSVOA_Y
ClientSampleId :

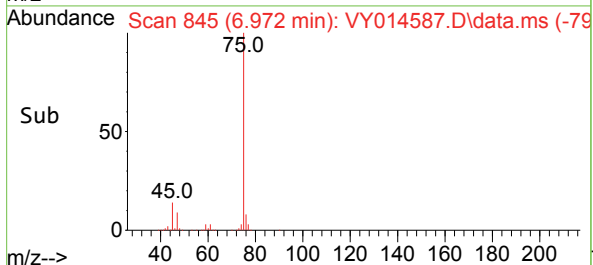
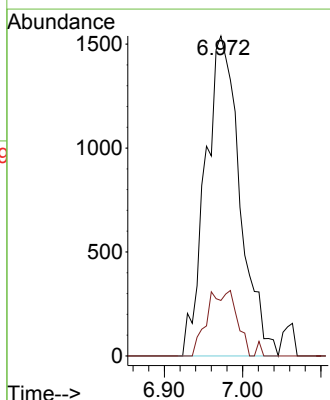
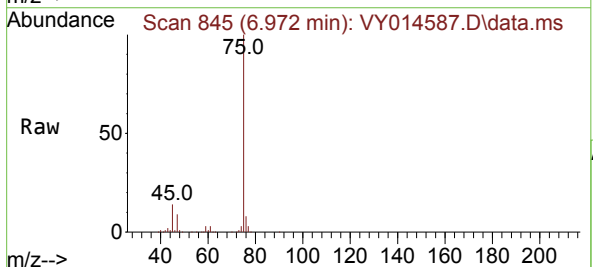


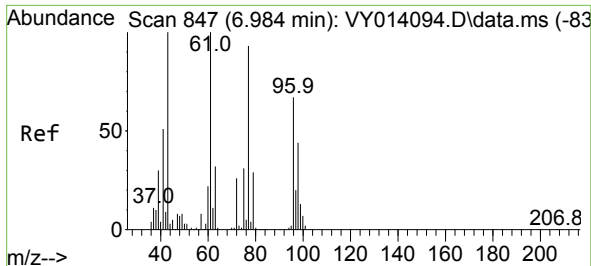
Tgt Ion:	84	Resp:	14632
Ion	Ratio	Lower	Upper
84	100		
49	124.0	106.9	160.3
51	38.7	33.2	49.8
86	64.8	51.0	76.6



#25
2-Butanone
Concen: 4.879 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Tgt Ion:	43	Resp:	4716
Ion	Ratio	Lower	Upper
43	100		
72	17.3	20.5	30.7#





#26

2,2-Dichloropropane

Concen: 2.366 ug/l

RT: 6.978 min Scan# 847

Delta R.T. -0.006 min

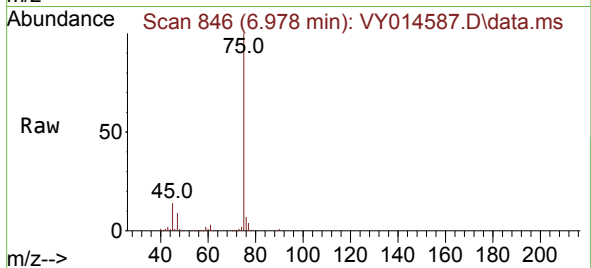
Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

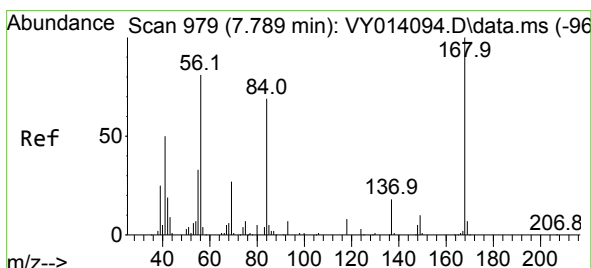
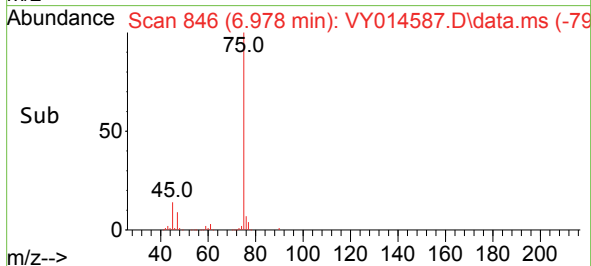
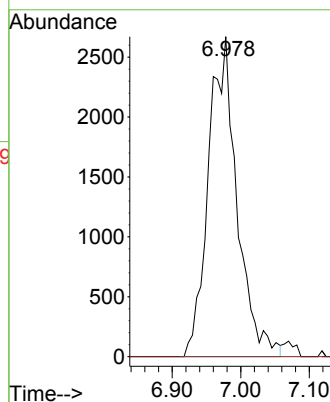


Tgt Ion: 77 Resp: 7751

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.150 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

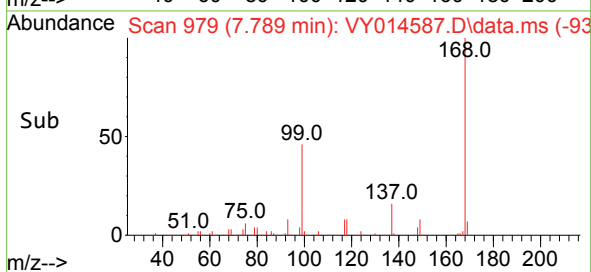
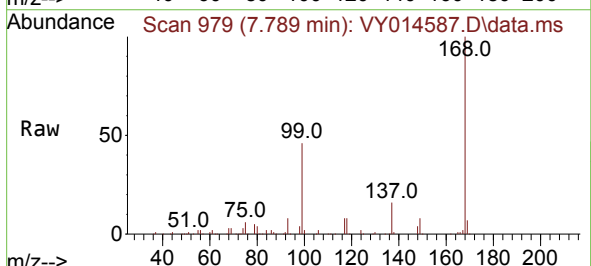
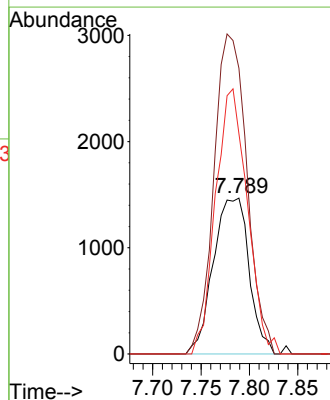
Tgt Ion: 56 Resp: 3771

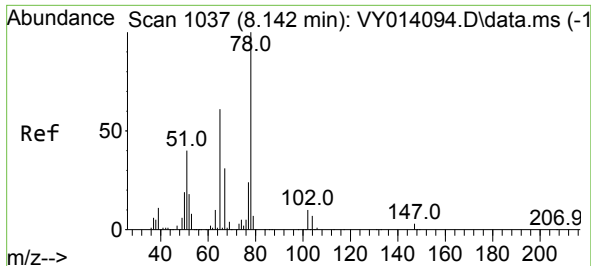
Ion Ratio Lower Upper

56 100

69 183.3 27.8 41.6#

84 141.3 66.4 99.6#

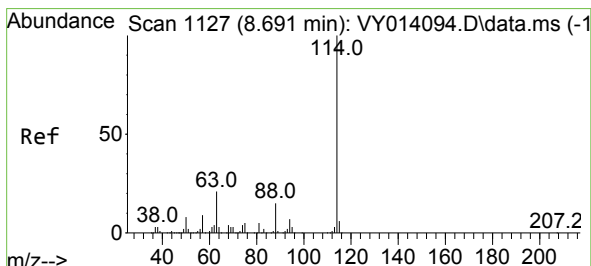
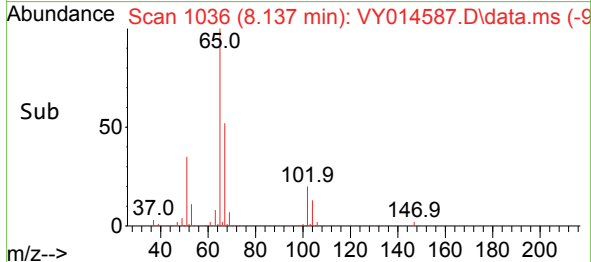
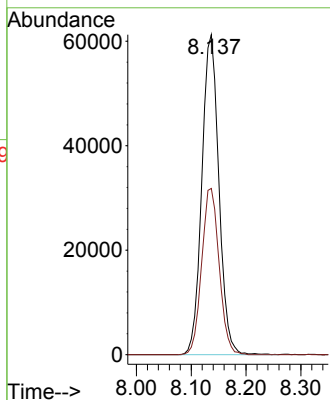
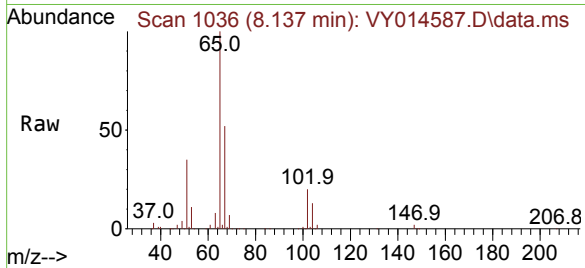




#33
 1,2-Dichloroethane-d4
 Concen: 63.104 ug/l
 RT: 8.137 min Scan# 1037
 Delta R.T. -0.005 min
 Lab File: VY014587.D
 Acq: 06 Jul 2023 14:42

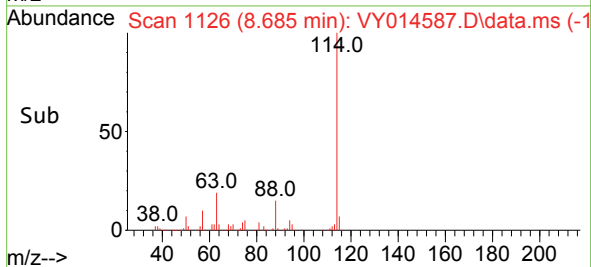
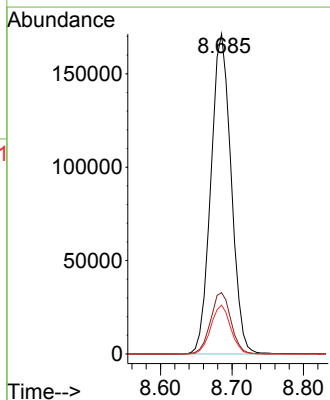
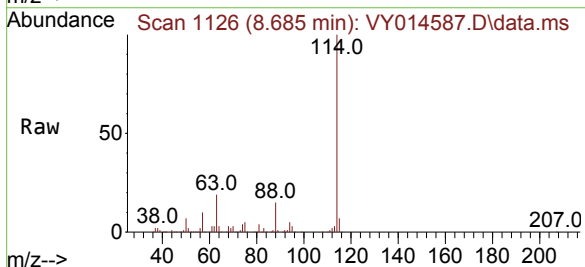
Instrument :
 MSVOA_Y
 ClientSampleId :

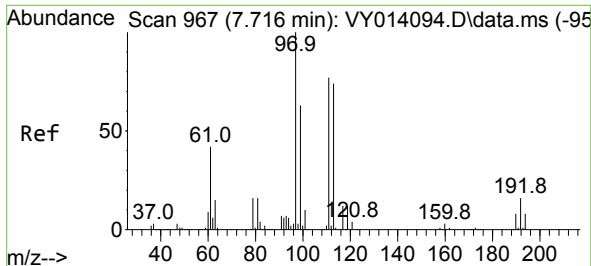
Tgt Ion: 65 Resp: 131921
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014587.D
 Acq: 06 Jul 2023 14:42

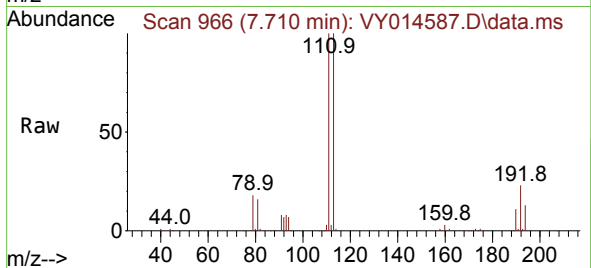
Tgt Ion: 114 Resp: 336408
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 15.3 0.0 30.6



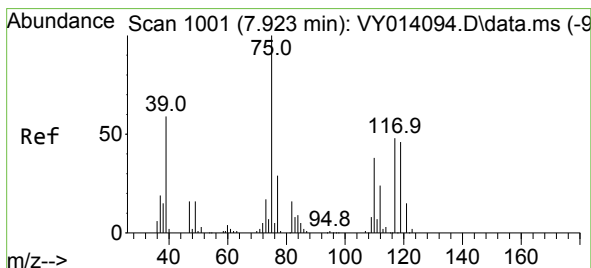
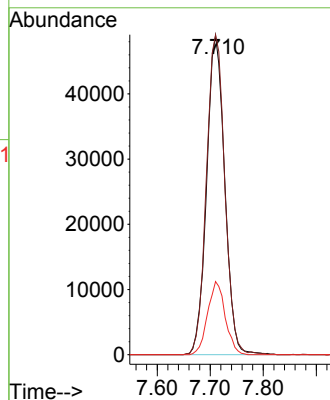
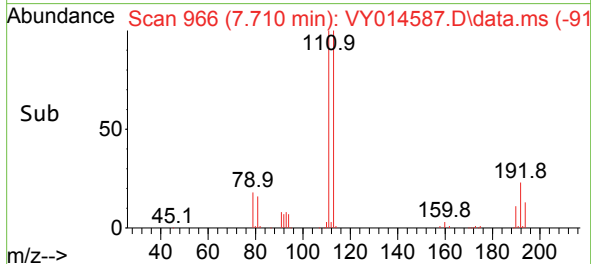


#35
Dibromofluoromethane
Concen: 55.904 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

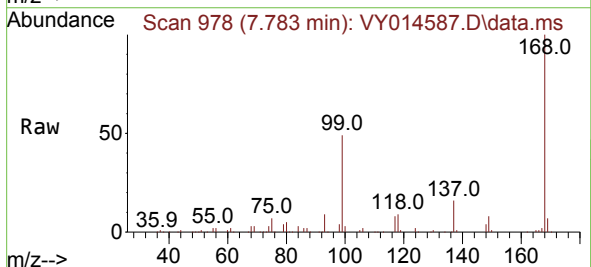
Instrument :
MSVOA_Y
ClientSampleId :



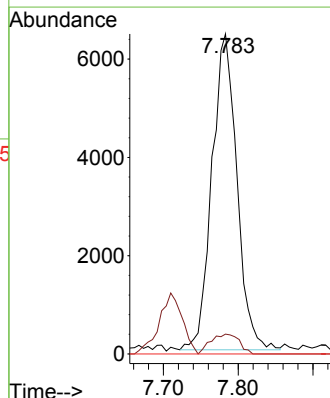
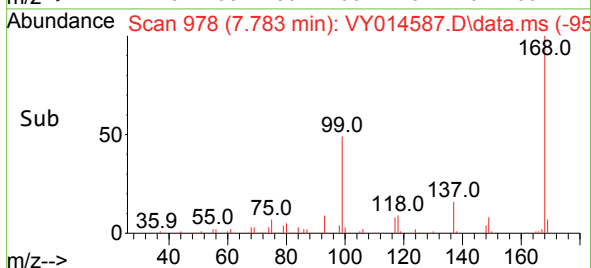
Tgt Ion:113 Resp: 115812
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 22.4 16.9 25.3

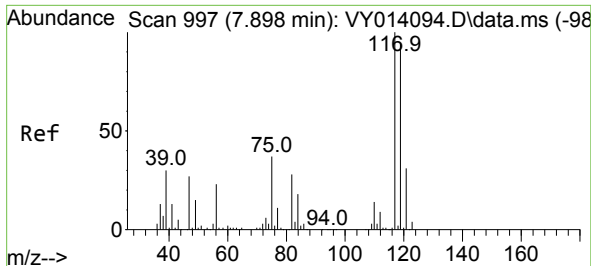


#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42



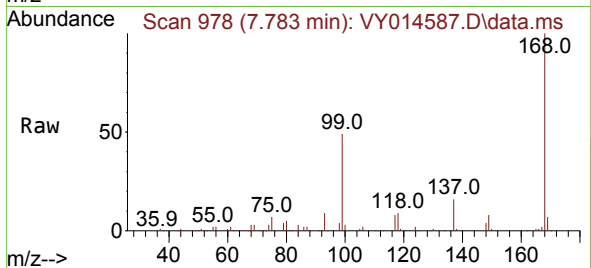
Tgt Ion: 75 Resp: 14927
Ion Ratio Lower Upper
75 100
110 7.2 17.8 53.5#
77 0.0 24.4 36.6#



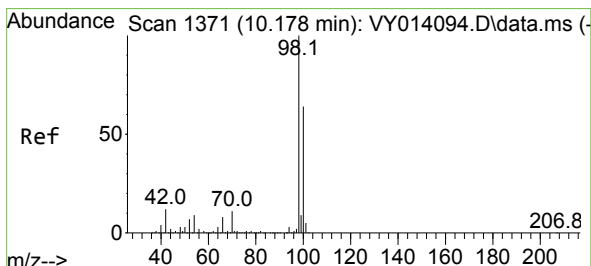
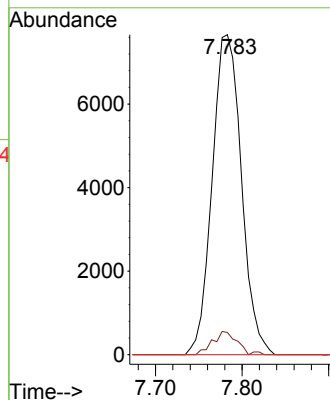
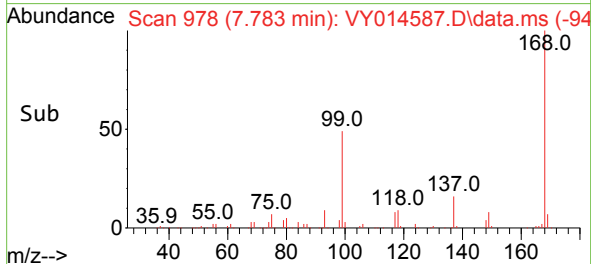


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

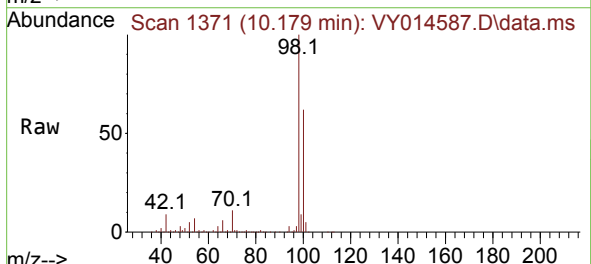
Instrument :
MSVOA_Y
ClientSampleId :



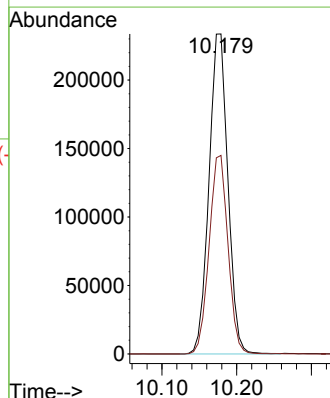
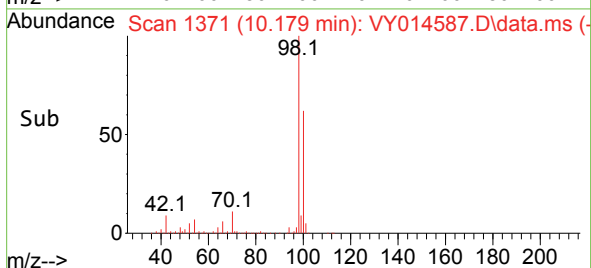
Tgt Ion:117 Resp: 17943
Ion Ratio Lower Upper
117 100
119 6.9 76.4 114.6#
121 0.0 25.8 38.6#

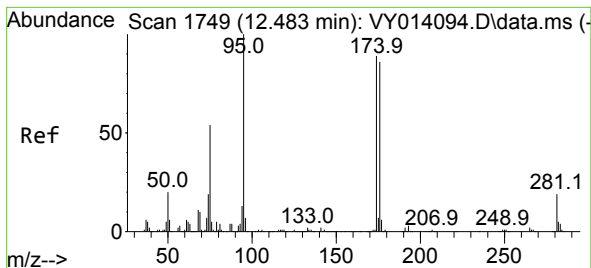


#50
Toluene-d8
Concen: 50.088 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42



Tgt Ion: 98 Resp: 410190
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1

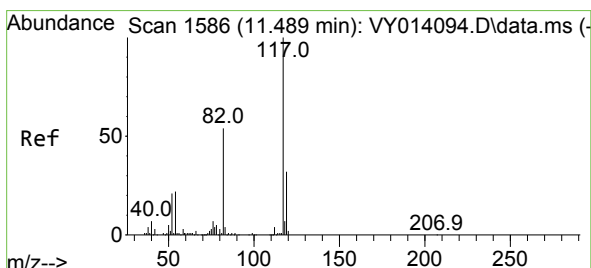
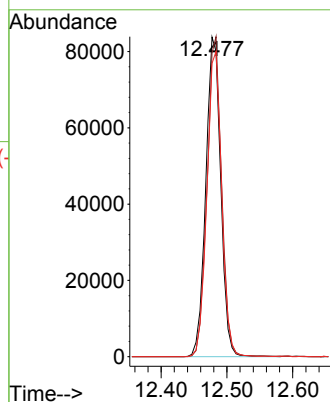
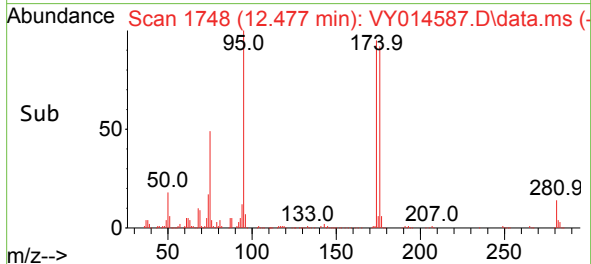
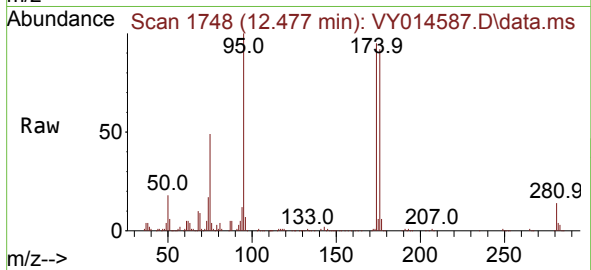




#62
4-Bromofluorobenzene
Concen: 46.418 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

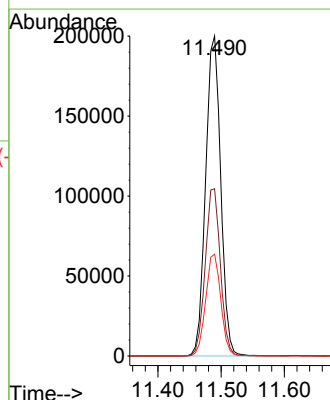
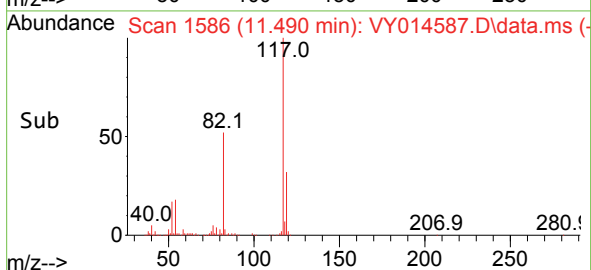
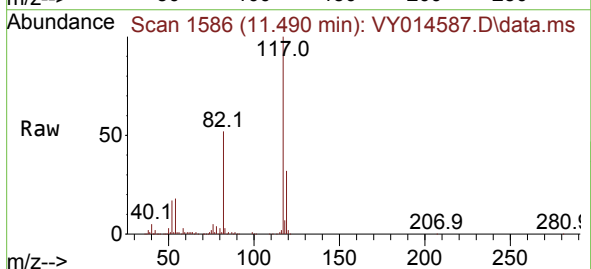
Instrument :
MSVOA_Y
ClientSampleId :

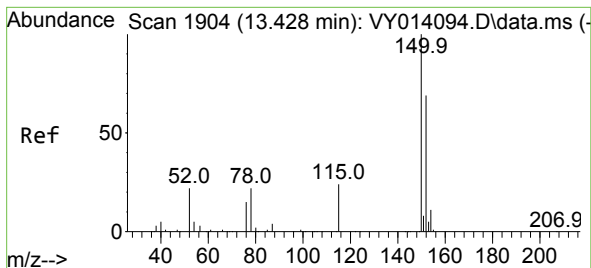
Tgt Ion: 95 Resp: 131998
Ion Ratio Lower Upper
95 100
174 97.6 0.0 178.2
176 94.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014587.D
Acq: 06 Jul 2023 14:42

Tgt Ion: 117 Resp: 332173
Ion Ratio Lower Upper
117 100
82 52.2 43.4 65.0
119 31.8 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

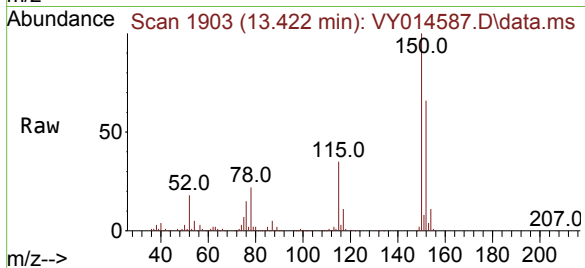
Lab File: VY014587.D

Acq: 06 Jul 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :



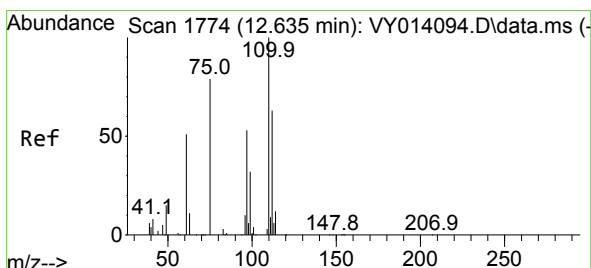
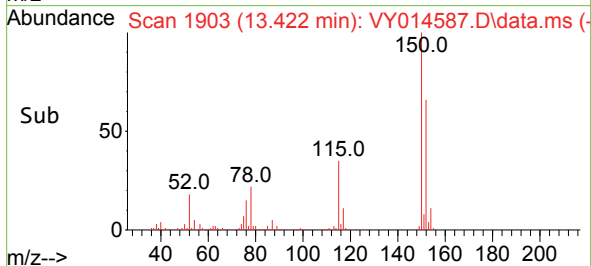
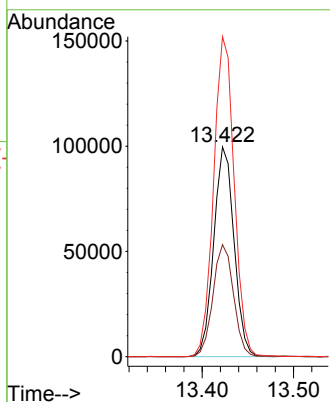
Tgt Ion:152 Resp: 153972

Ion Ratio Lower Upper

152 100

115 54.0 28.8 86.5

150 154.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.709 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014587.D

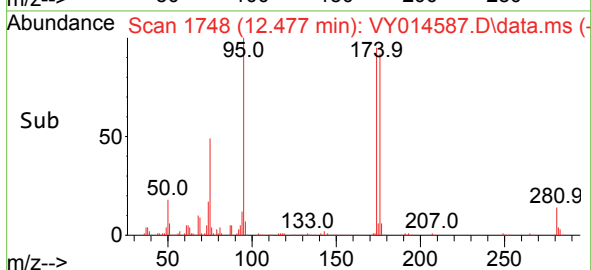
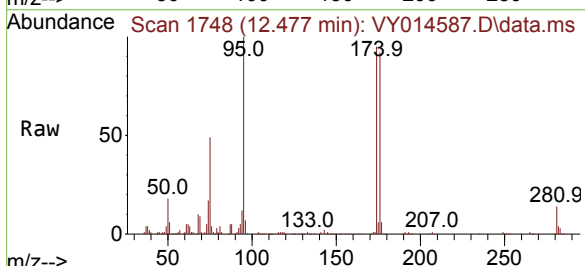
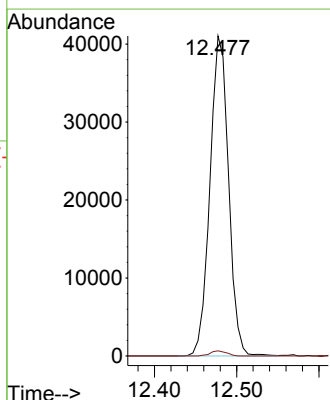
Acq: 06 Jul 2023 14:42

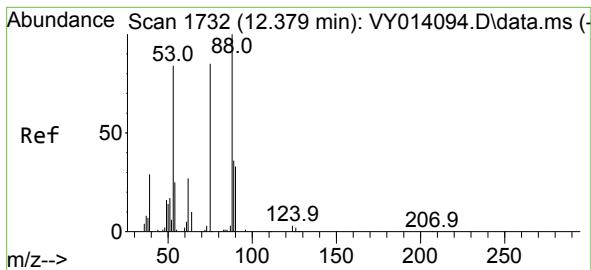
Tgt Ion: 75 Resp: 64519

Ion Ratio Lower Upper

75 100

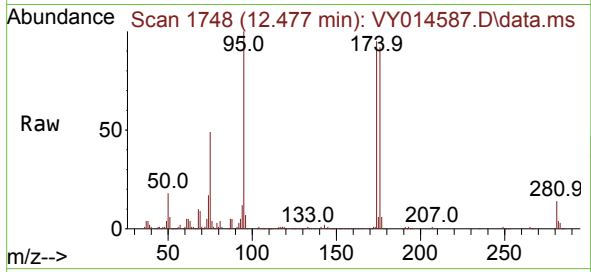
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.504 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014587.D
 Acq: 06 Jul 2023 14:42

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	77.8	116.8#
89	0.1	37.4	56.0#

