

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070623\
 Data File : VY014592.D
 Acq On : 06 Jul 2023 16:43
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 07 06:15:41 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)

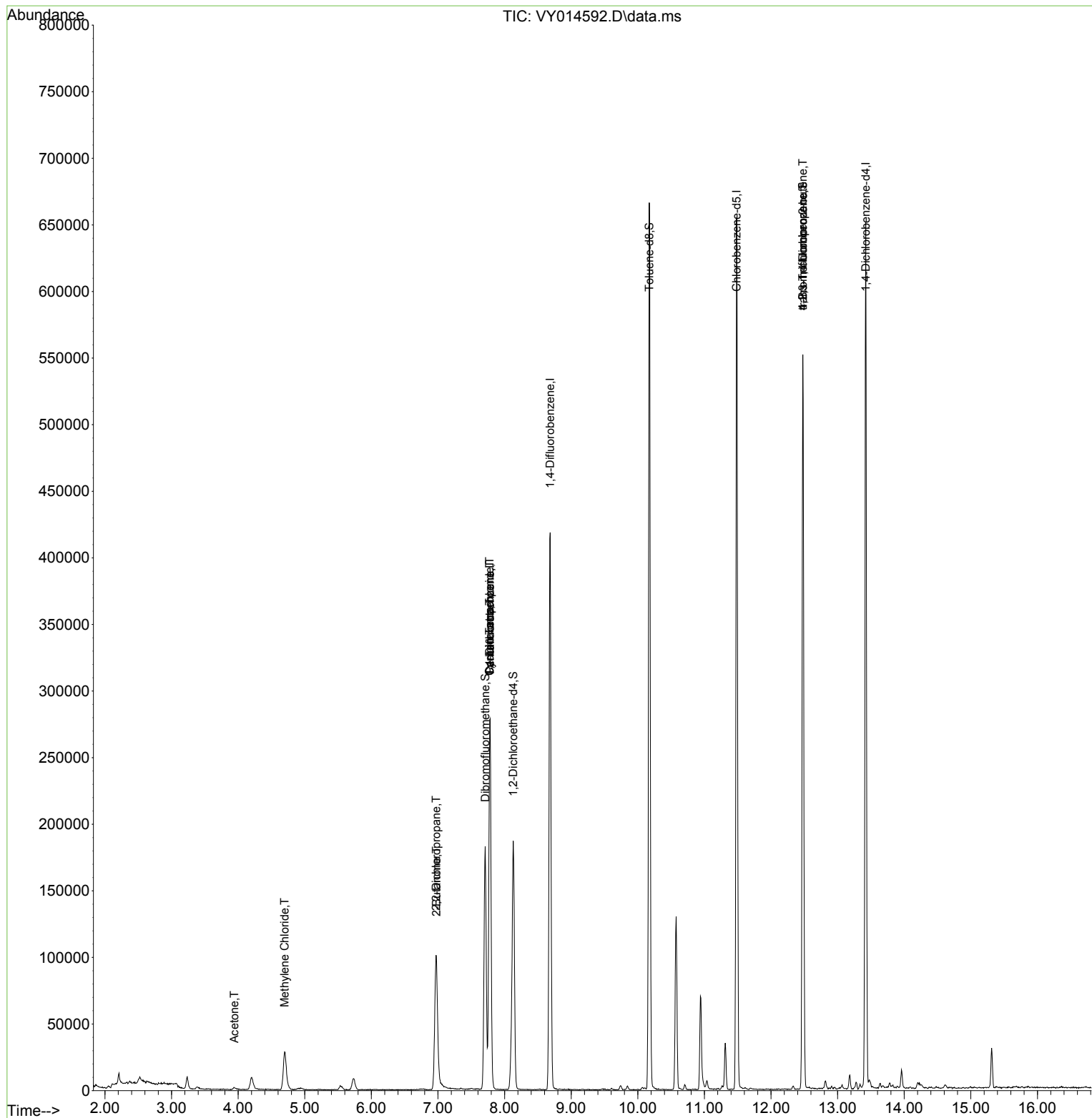
Internal Standards						
1) Pentafluorobenzene	7.783	168	241492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	377808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	375098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	176698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	136835	56.959	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.920%
35) Dibromofluoromethane	7.710	113	130004	55.878	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.760%
50) Toluene-d8	10.173	98	459157	49.924	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.840%
62) 4-Bromofluorobenzene	12.477	95	153714	48.131	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.260%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	222	Below Cal	#	43
11) Tert butyl alcohol	4.936	59	2473	Below Cal	#	89
16) Acetone	3.942	43	2526	3.367	ug/l	95
20) Methylene Chloride	4.698	84	22947	3.674	ug/l	86
25) 2-Butanone	6.978	43	5096	4.587	ug/l	91
26) 2,2-Dichloropropane	6.972	77	7850	2.085	ug/l #	54
31) Cyclohexane	7.777	56	4377	1.161	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	16634	4.669	ug/l #	51
38) Carbon Tetrachloride	7.777	117	20768	5.584	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	72761	35.091	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72761	68.302	ug/l #	11

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

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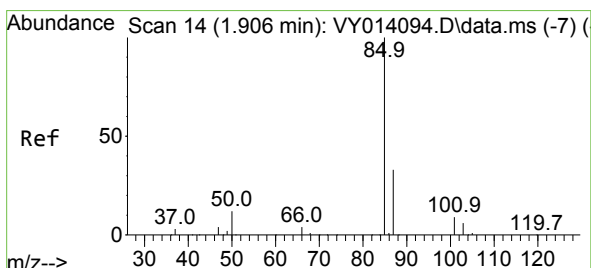
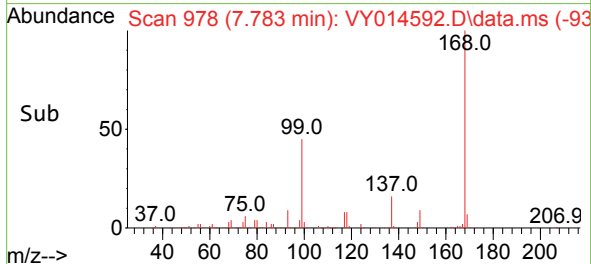
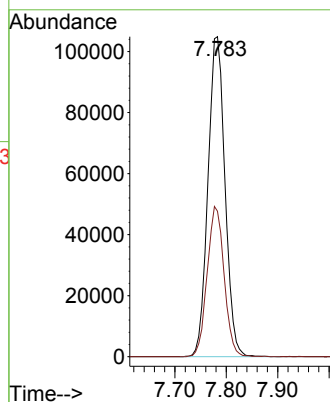
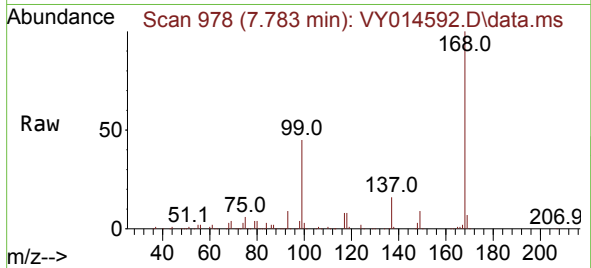




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

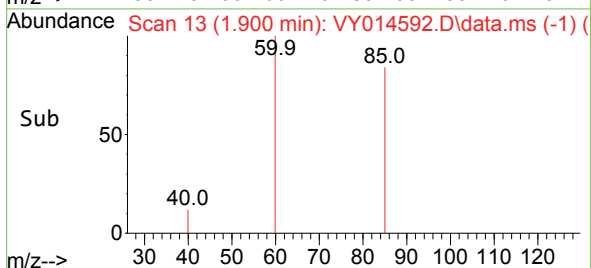
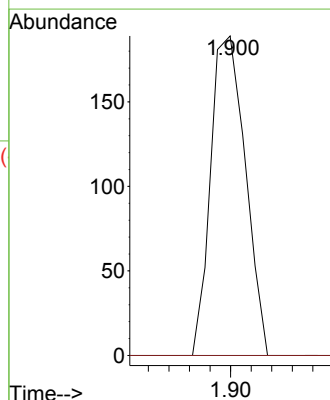
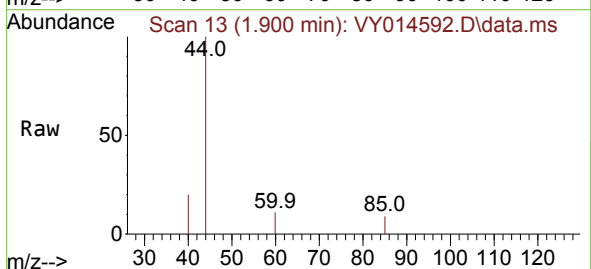
Instrument :
MSVOA_Y
ClientSampleId :

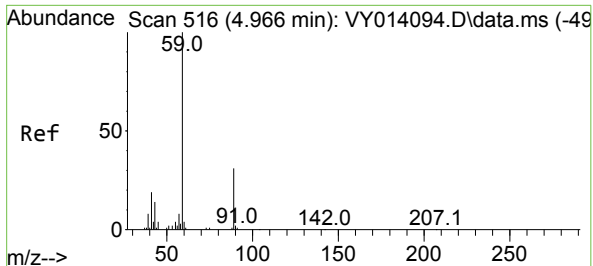
Tgt Ion:168 Resp: 241492
Ion Ratio Lower Upper
168 100
99 45.4 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Tgt Ion: 85 Resp: 222
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: VY014592.D

Acq: 06 Jul 2023 16:43

Instrument :

MSVOA_Y

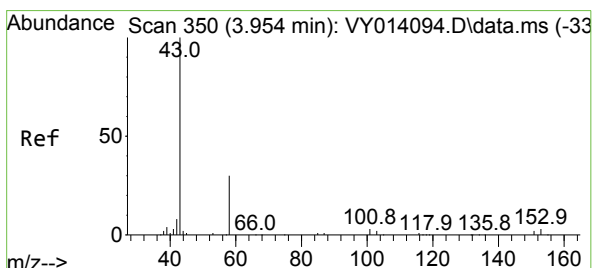
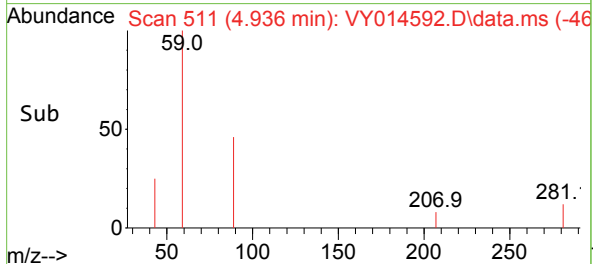
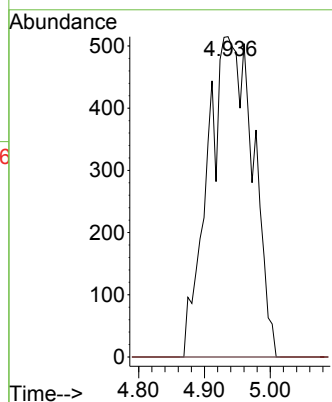
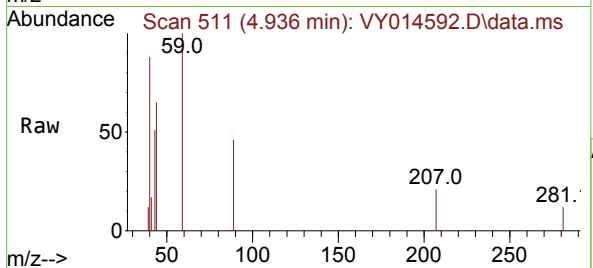
ClientSampleId :

Tgt Ion: 59 Resp: 2473

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 3.367 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.012 min

Lab File: VY014592.D

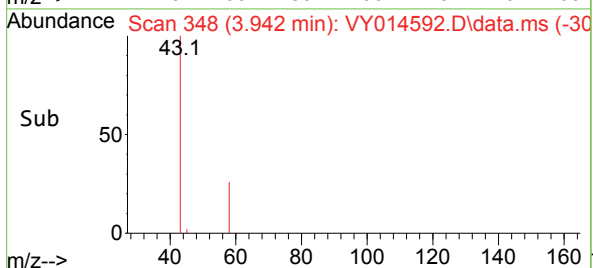
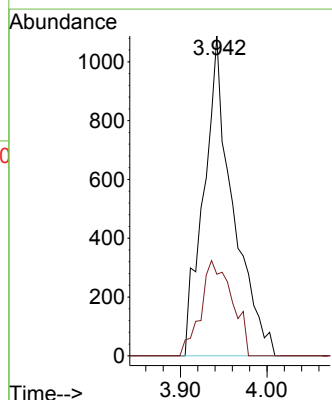
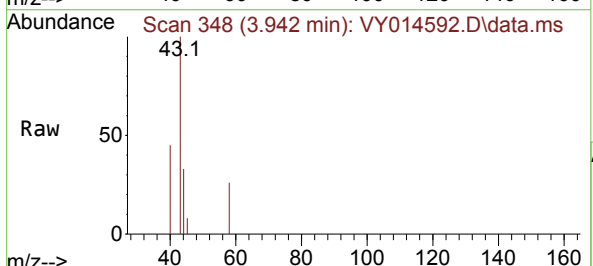
Acq: 06 Jul 2023 16:43

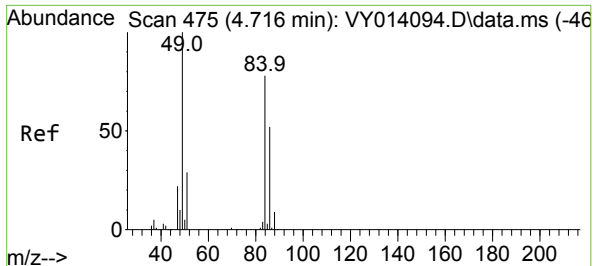
Tgt Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

58 25.6 22.7 34.1





#20

Methylene Chloride

Concen: 3.674 ug/l

RT: 4.698 min Scan# 41

Delta R.T. -0.018 min

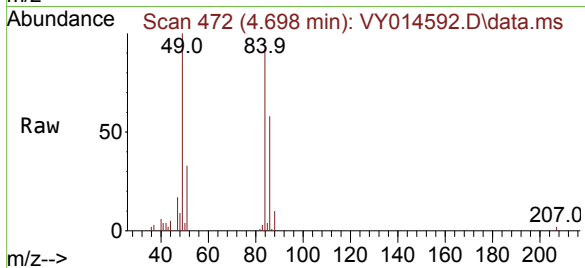
Lab File: VY014592.D

Acq: 06 Jul 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 22947

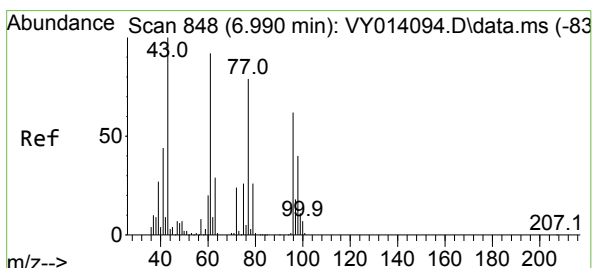
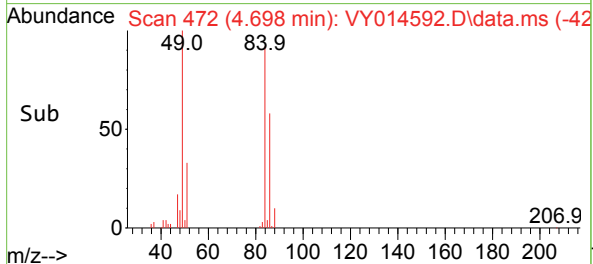
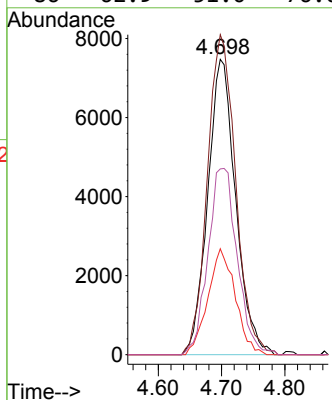
Ion Ratio Lower Upper

84 100

49 108.3 106.9 160.3

51 35.9 33.2 49.8

86 62.9 51.0 76.6



#25

2-Butanone

Concen: 4.587 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.012 min

Lab File: VY014592.D

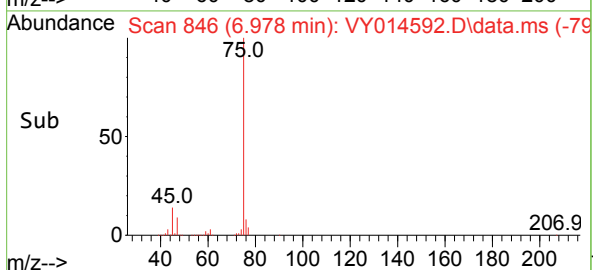
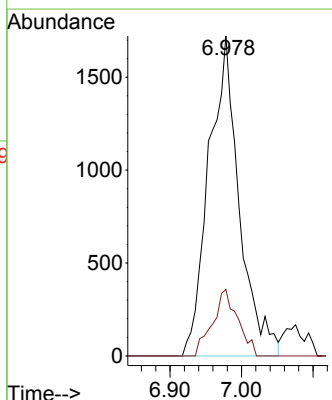
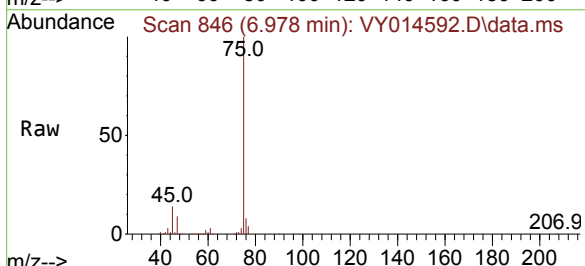
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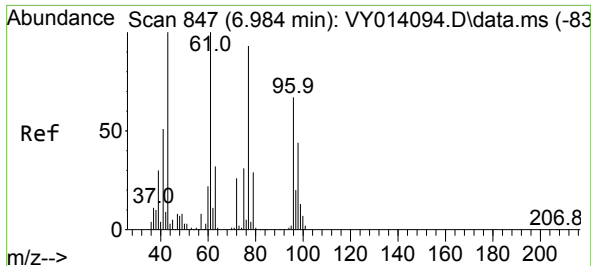
Tgt Ion: 43 Resp: 5096

Ion Ratio Lower Upper

43 100

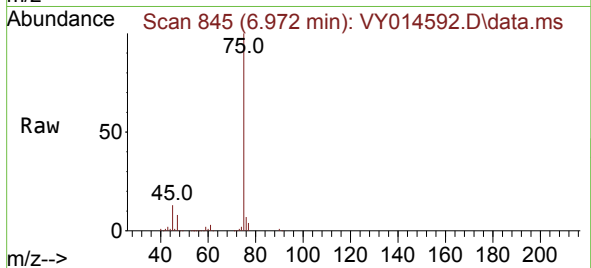
72 20.8 20.5 30.7



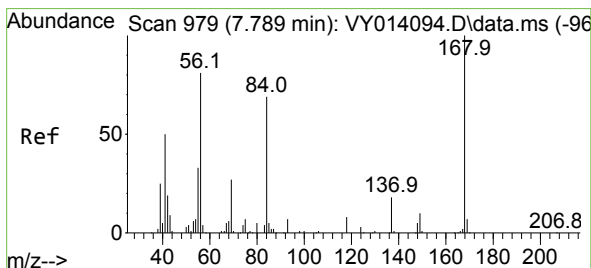
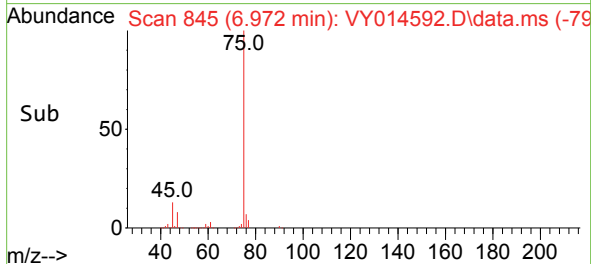
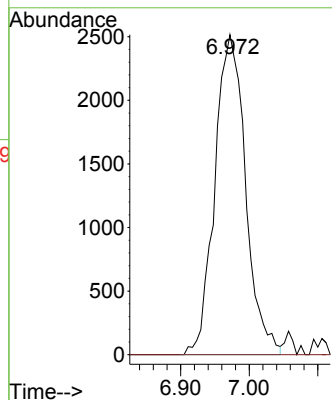


#26
2,2-Dichloropropane
Concen: 2.085 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

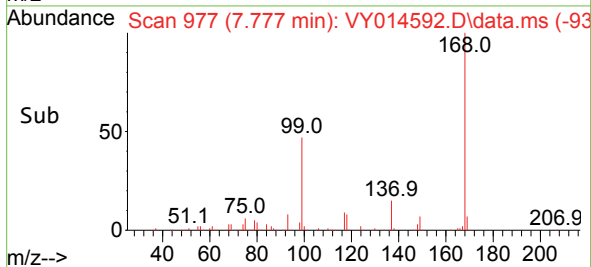
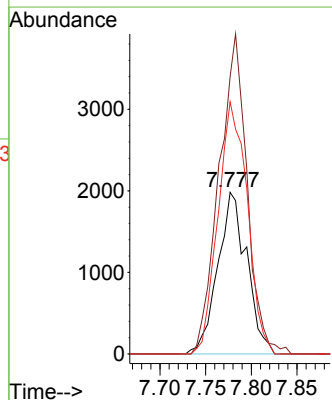
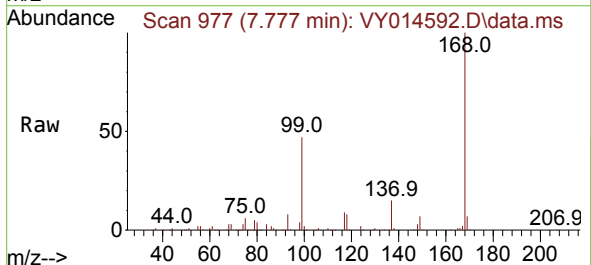


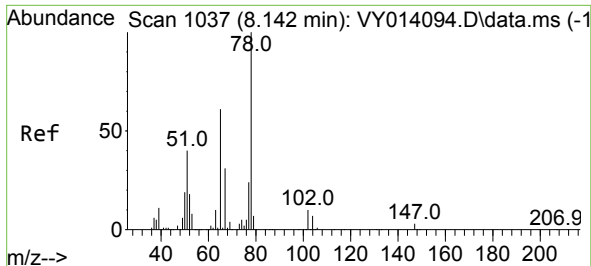
Tgt Ion: 77 Resp: 7850
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.012 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 171.5 27.8 41.6#
84 156.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.959 ug/l

RT: 8.130 min Scan# 1037

Delta R.T. -0.012 min

Lab File: VY014592.D

Acq: 06 Jul 2023 16:43

Instrument :

MSVOA_Y

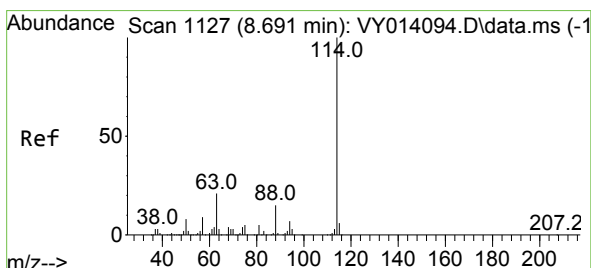
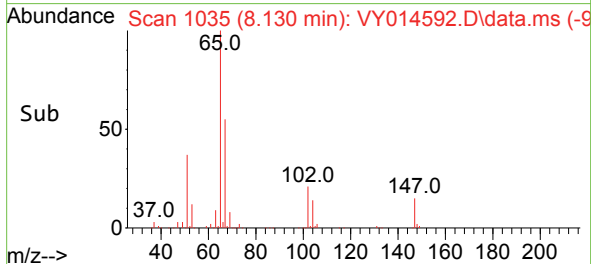
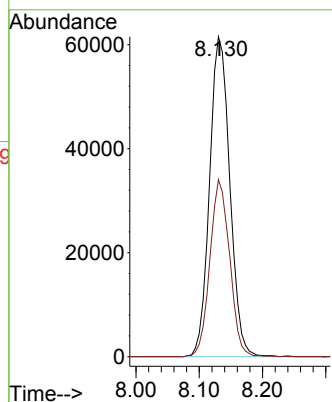
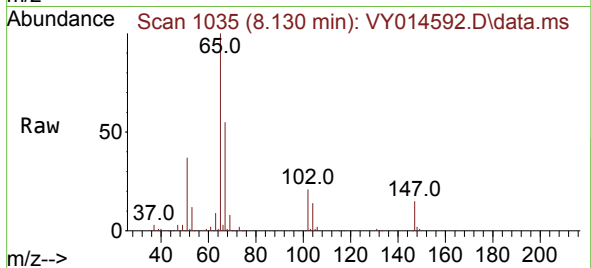
ClientSampleId :

Tgt Ion: 65 Resp: 136835

Ion Ratio Lower Upper

65 100

67 54.0 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: VY014592.D

Acq: 06 Jul 2023 16:43

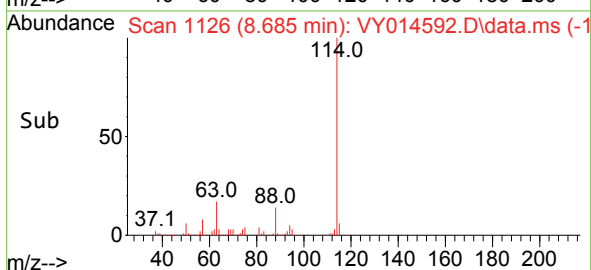
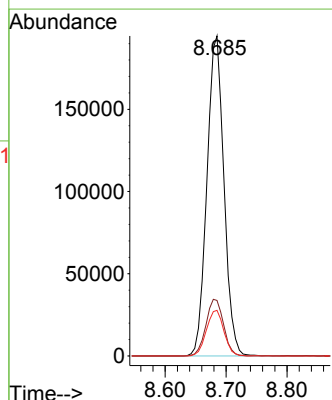
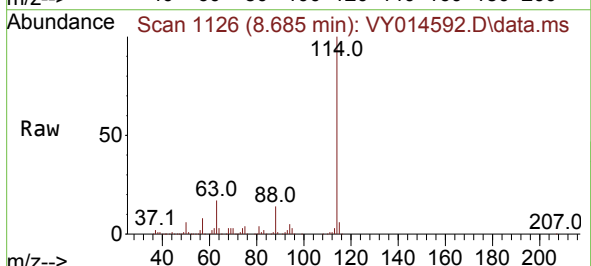
Tgt Ion: 114 Resp: 377808

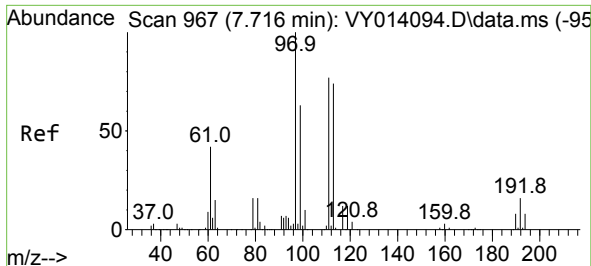
Ion Ratio Lower Upper

114 100

63 17.3 0.0 42.4

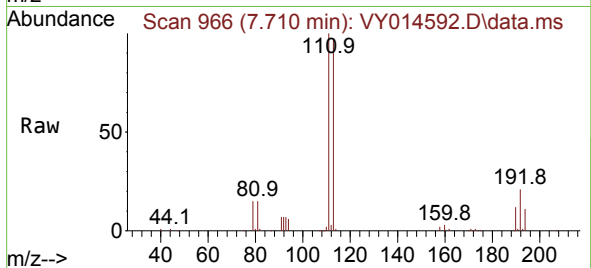
88 14.3 0.0 30.6



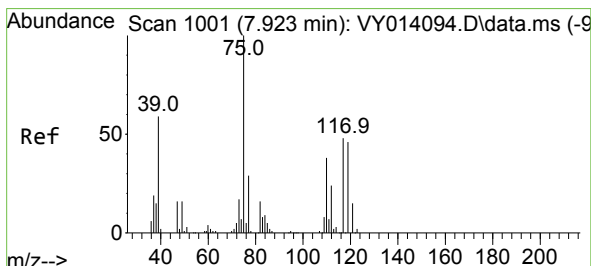
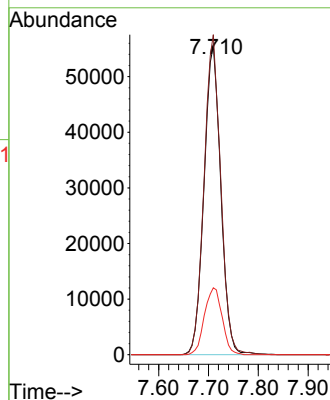
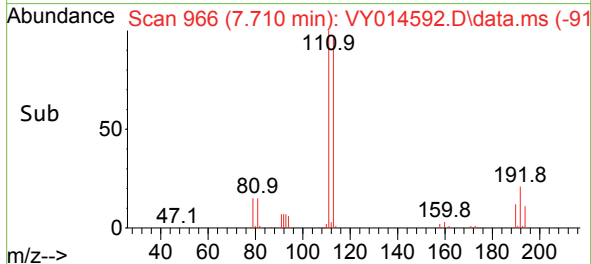


#35
Dibromofluoromethane
Concen: 55.878 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

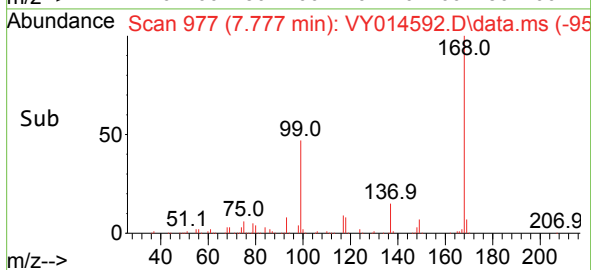
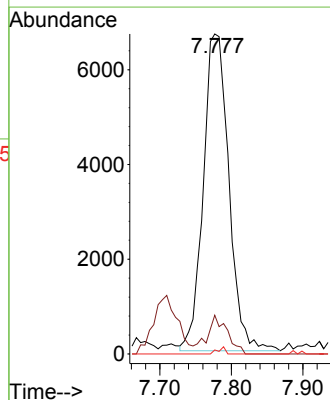
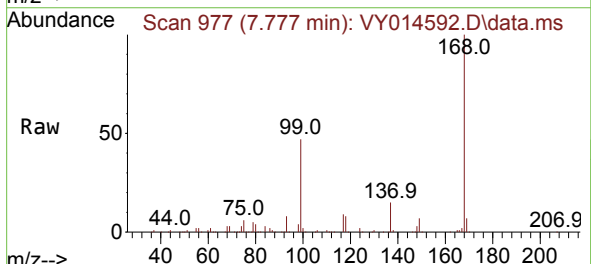


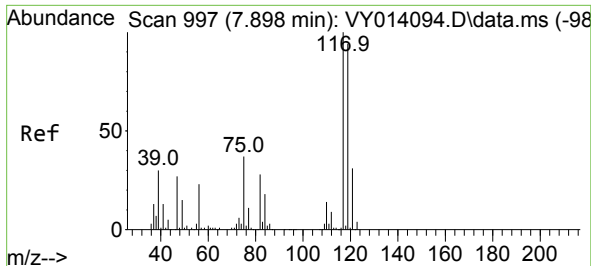
Tgt Ion:113 Resp: 130004
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 22.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.669 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.146 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

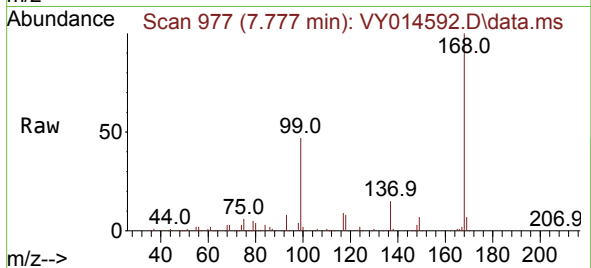
Tgt Ion: 75 Resp: 16634
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.5#
77 0.6 24.4 36.6#



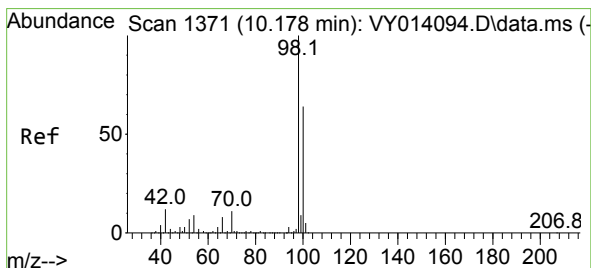
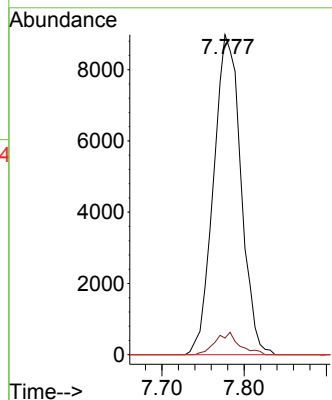
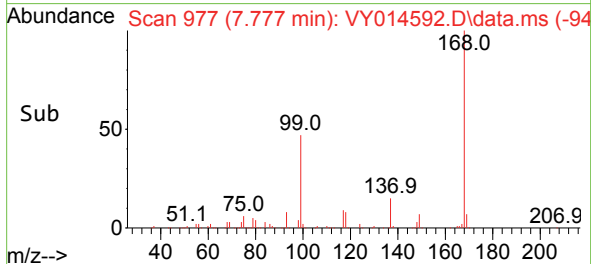


#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.121 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Instrument :
MSVOA_Y
ClientSampleId :

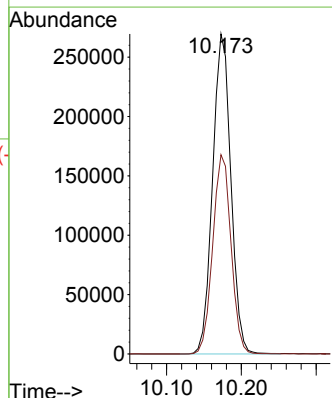
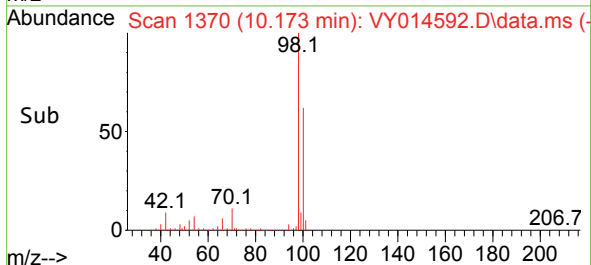
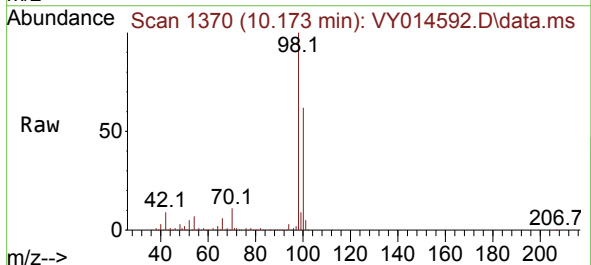


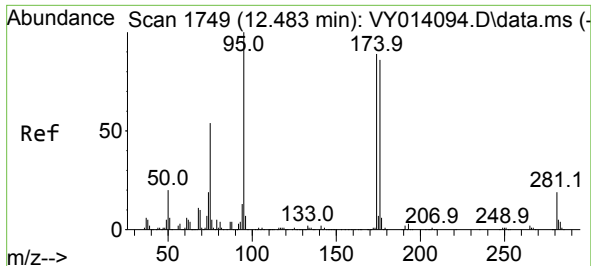
Tgt Ion:117 Resp: 20768
Ion Ratio Lower Upper
117 100
119 5.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.924 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Tgt Ion: 98 Resp: 459157
Ion Ratio Lower Upper
98 100
100 62.2 50.1 75.1

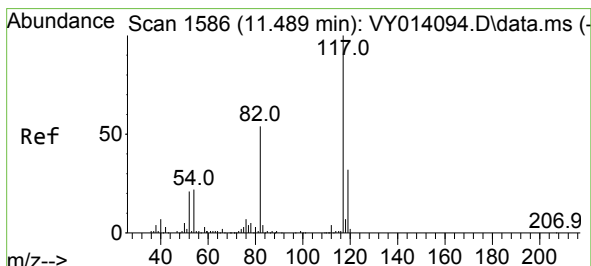
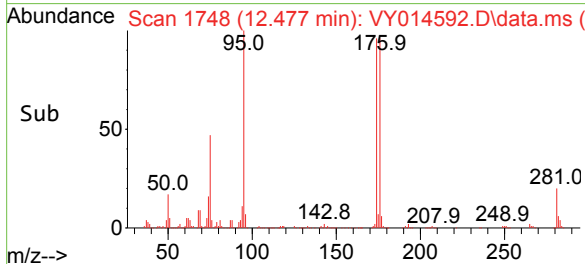
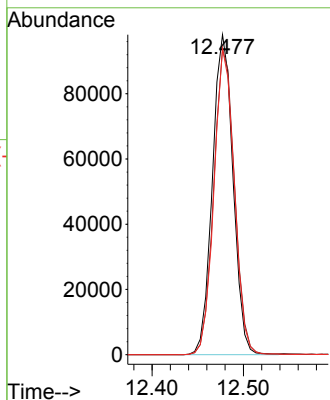
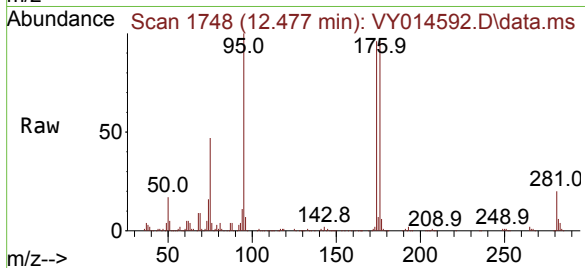




#62
4-Bromofluorobenzene
Concen: 48.131 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

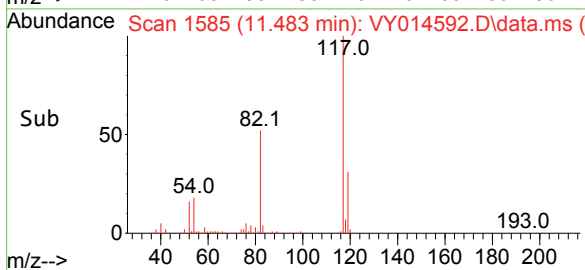
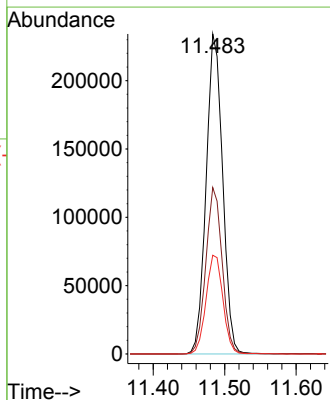
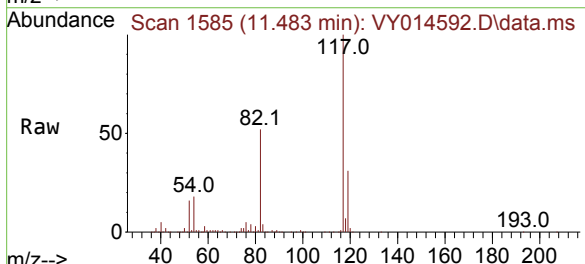
Instrument :
MSVOA_Y
ClientSampleId :

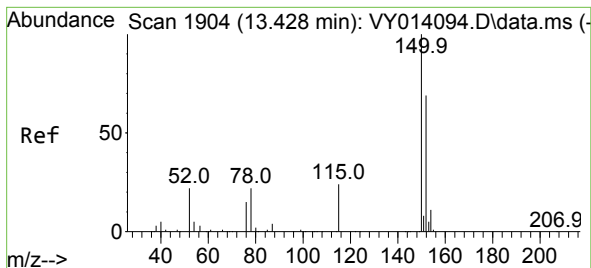
Tgt Ion: 95 Resp: 153714
Ion Ratio Lower Upper
95 100
174 96.3 0.0 178.2
176 94.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY014592.D
Acq: 06 Jul 2023 16:43

Tgt Ion: 117 Resp: 375098
Ion Ratio Lower Upper
117 100
82 52.0 43.4 65.0
119 30.8 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

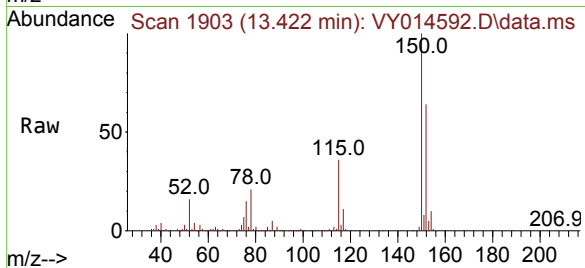
Lab File: VY014592.D

Acq: 06 Jul 2023 16:43

Instrument :

MSVOA_Y

ClientSampleId :



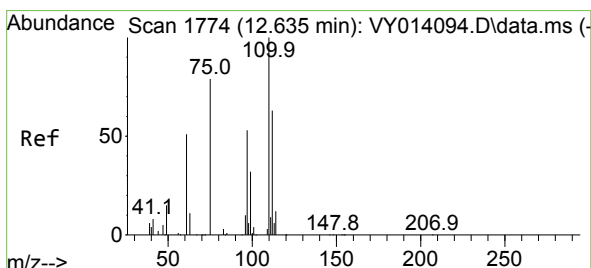
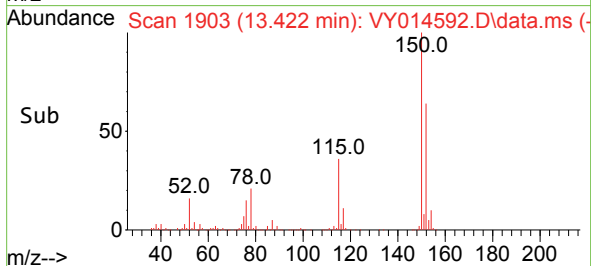
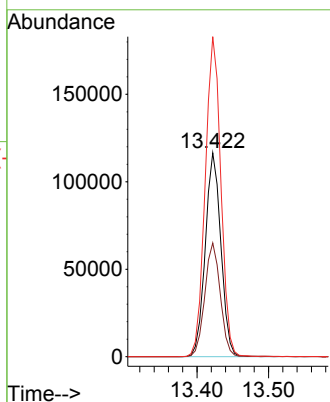
Tgt Ion:152 Resp: 176698

Ion Ratio Lower Upper

152 100

115 55.3 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.091 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014592.D

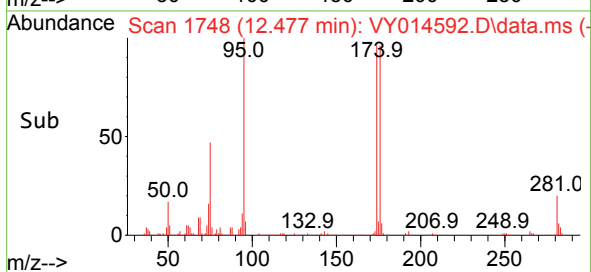
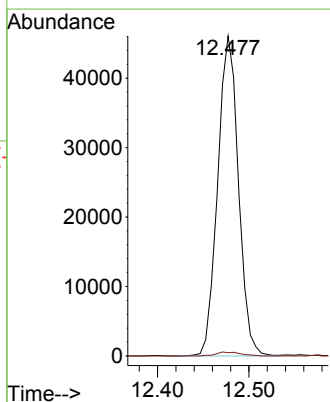
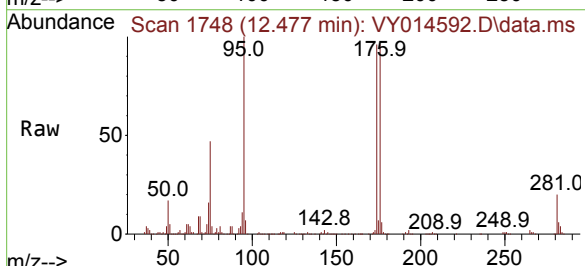
Acq: 06 Jul 2023 16:43

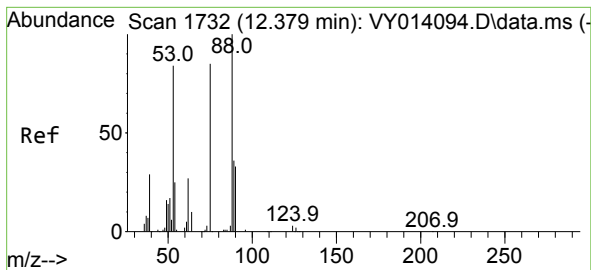
Tgt Ion: 75 Resp: 72761

Ion Ratio Lower Upper

75 100

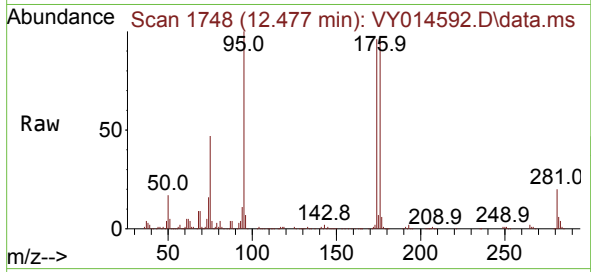
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.302 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014592.D
 Acq: 06 Jul 2023 16:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 72761
 Ion Ratio Lower Upper
 75 100
 53 0.4 77.8 116.8#
 89 0.1 37.4 56.0#

