

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015376.D
 Acq On : 30 Aug 2023 14:40
 Operator : SY/MD
 Sample : 04203-06
 Misc : 5.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 31 01:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 29 22:47:33 2023
 Response via : Initial Calibration

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

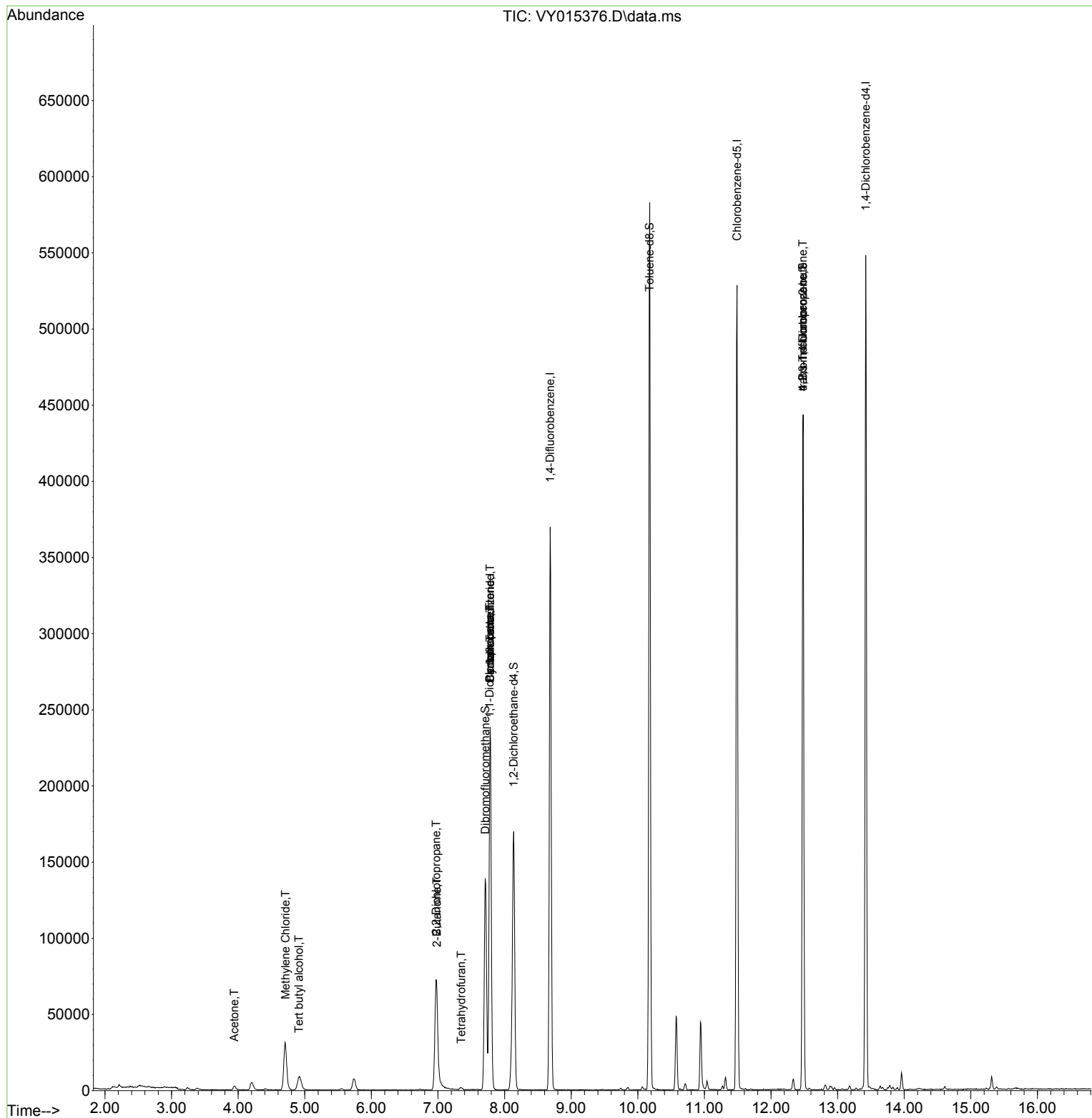
Internal Standards						
1) Pentafluorobenzene	7.783	168	184593	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	285645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124042	62.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.380%	
35) Dibromofluoromethane	7.710	113	100160	55.573	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.140%	
50) Toluene-d8	10.179	98	371016	56.845	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.680%	
62) 4-Bromofluorobenzene	12.477	95	126445	52.185	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.380%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.911	59	10297	22.441	ug/l #	89
16) Acetone	3.942	43	4818	5.833	ug/l	90
20) Methylene Chloride	4.710	84	22943	2.871	ug/l	91
25) 2-Butanone	6.984	43	4521	3.859	ug/l #	81
26) 2,2-Dichloropropane	6.972	77	5587	1.781	ug/l #	54
29) Tetrahydrofuran	7.350	42	996	1.354	ug/l #	79
31) Cyclohexane	7.783	56	3884	1.105	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	14571	4.604	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18893	5.780	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	69739	38.507	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69739	84.592	ug/l #	11

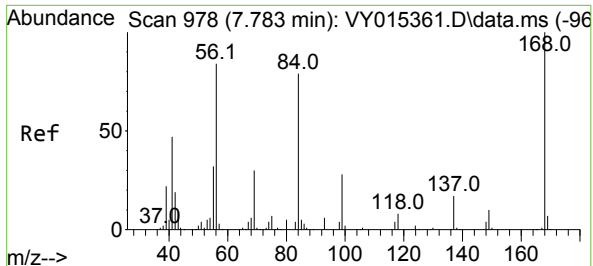
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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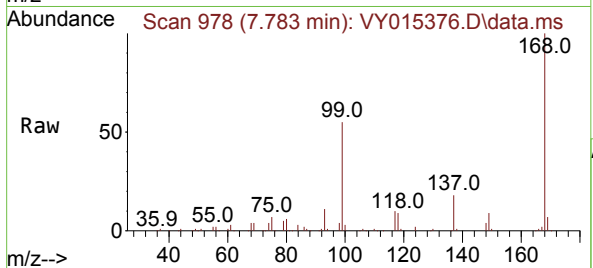
Quant Time: Aug 31 01:00:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 22:47:33 2023
Response via : Initial Calibration



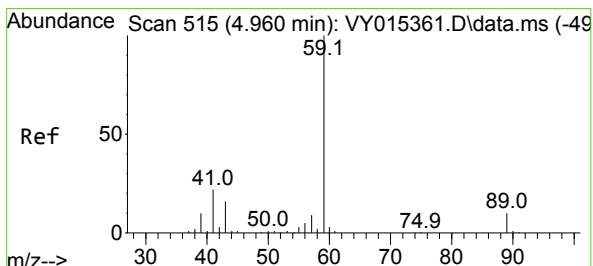
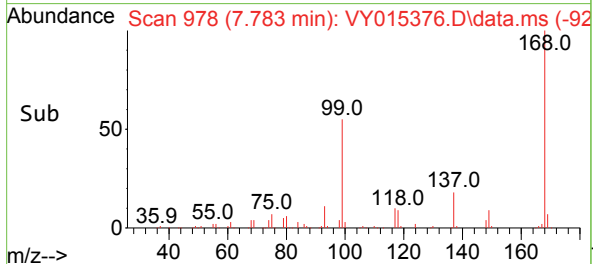
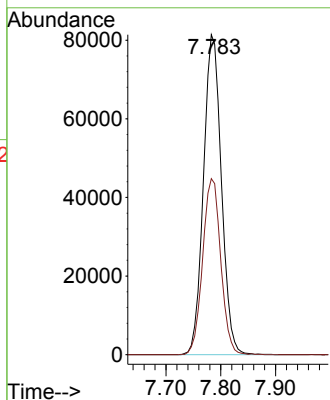


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :

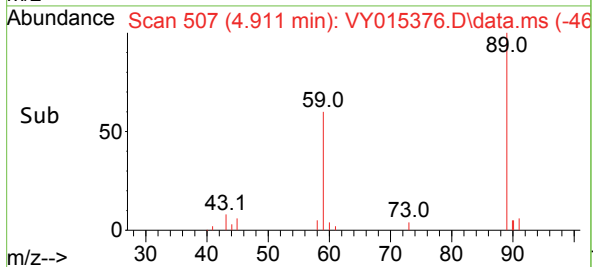
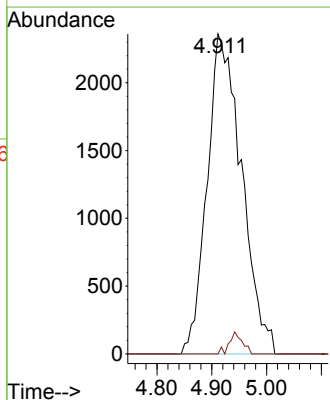
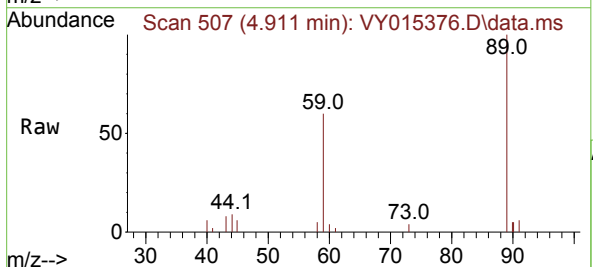


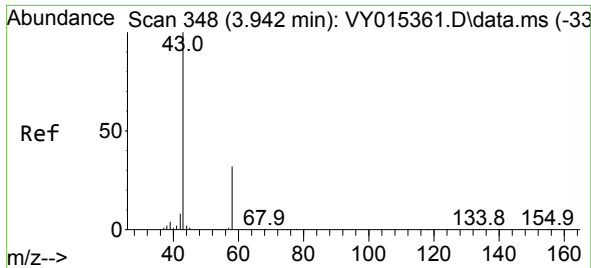
Tgt Ion:168 Resp: 184593
Ion Ratio Lower Upper
168 100
99 55.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 22.441 ug/l
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

Tgt Ion: 59 Resp: 10297
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 5.833 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.000 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

Instrument :

MSVOA_Y

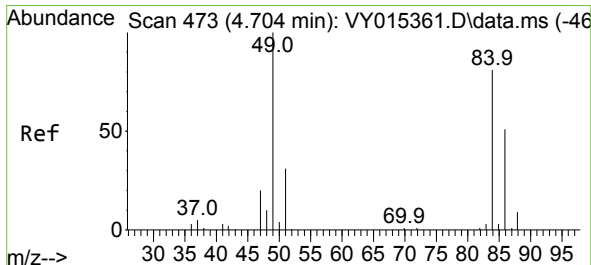
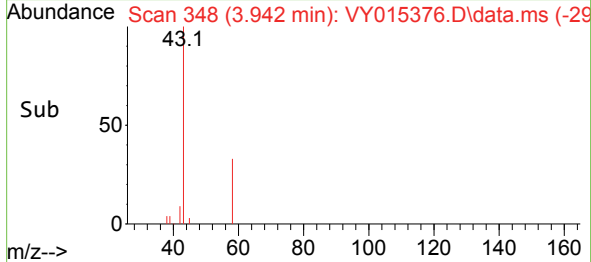
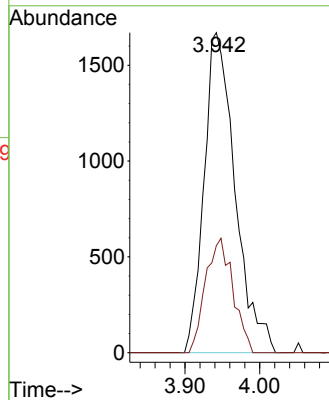
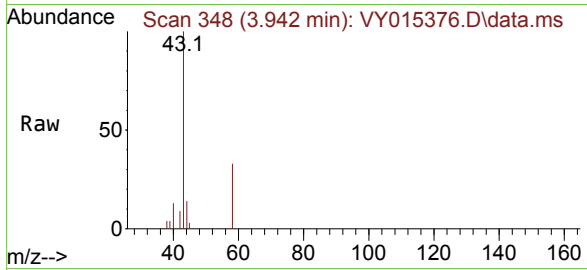
ClientSampleId :

Tgt Ion: 43 Resp: 4818

Ion Ratio Lower Upper

43 100

58 33.5 22.7 34.1



#20

Methylene Chloride

Concen: 2.871 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

Tgt Ion: 84 Resp: 22943

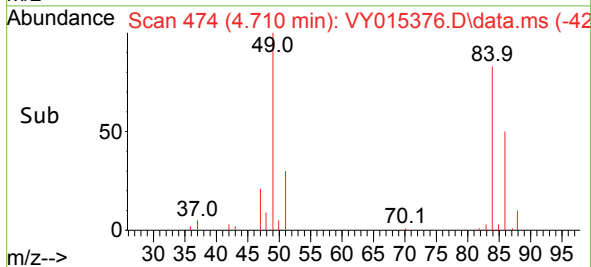
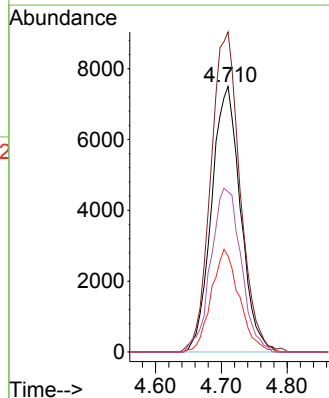
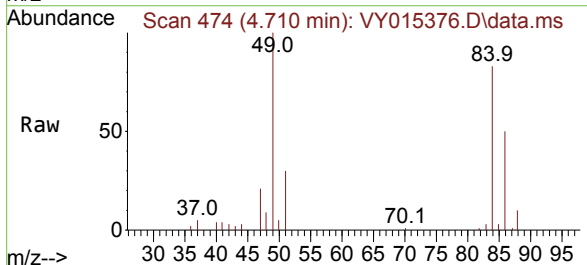
Ion Ratio Lower Upper

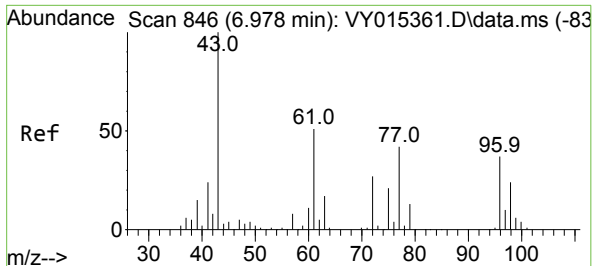
84 100

49 120.5 106.9 160.3

51 36.1 33.2 49.8

86 60.3 51.0 76.6





#25

2-Butanone

Concen: 3.859 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

Instrument :

MSVOA_Y

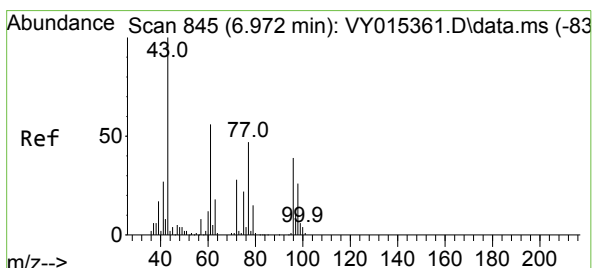
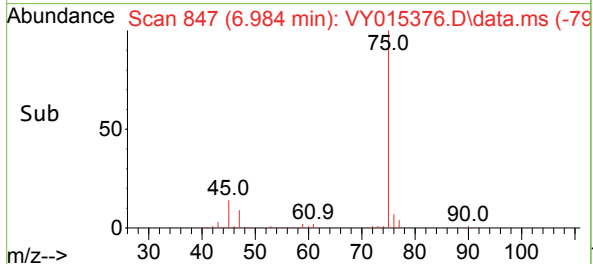
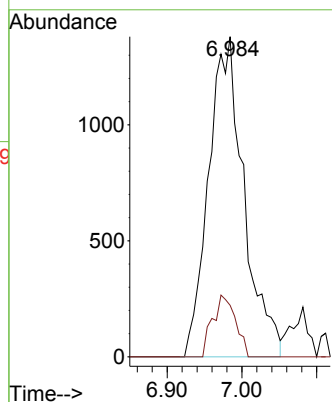
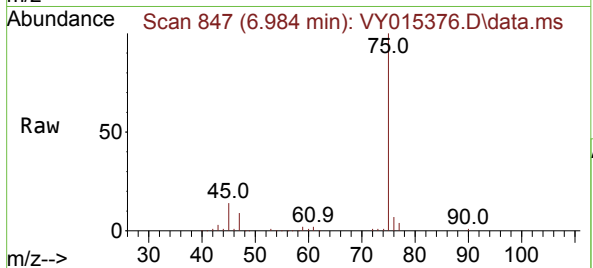
ClientSampleId :

Tgt Ion: 43 Resp: 4521

Ion Ratio Lower Upper

43 100

72 16.1 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.781 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY015376.D

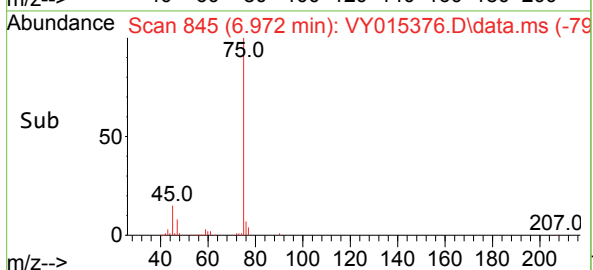
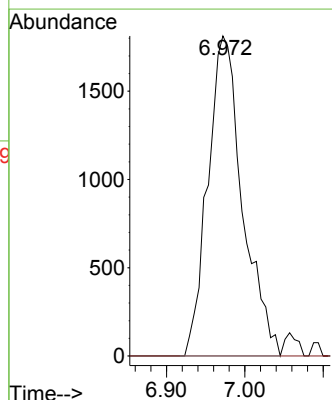
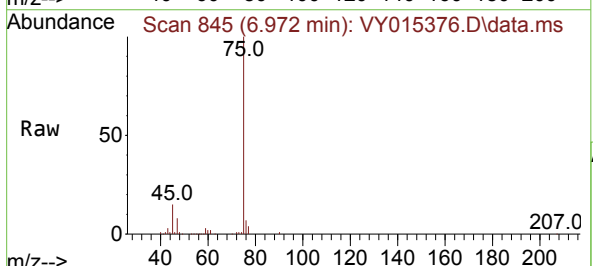
Acq: 30 Aug 2023 14:40

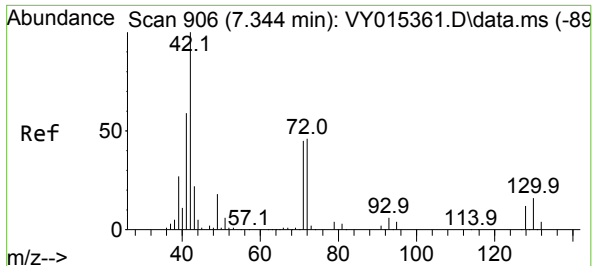
Tgt Ion: 77 Resp: 5587

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.354 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

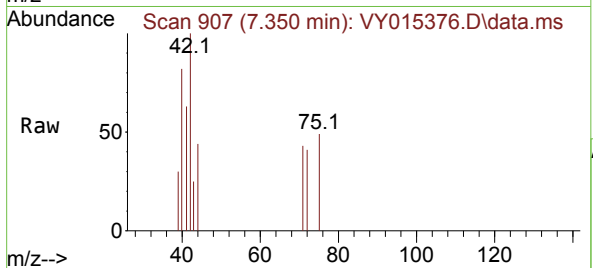
Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

Instrument :

MSVOA_Y

ClientSampleId :



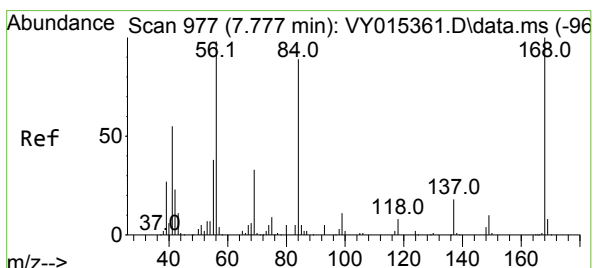
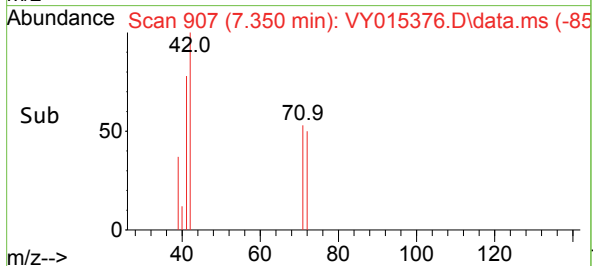
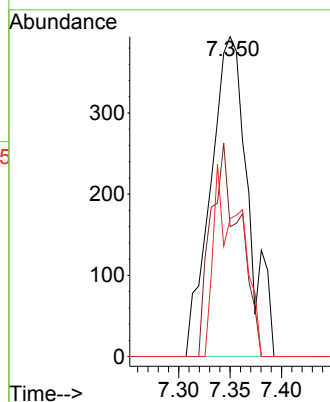
Tgt Ion: 42 Resp: 996

Ion Ratio Lower Upper

42 100

72 51.7 32.8 49.2#

71 23.6 31.0 46.4#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

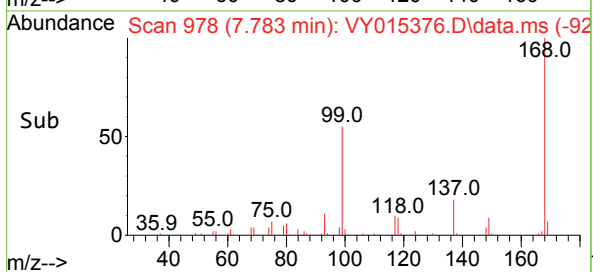
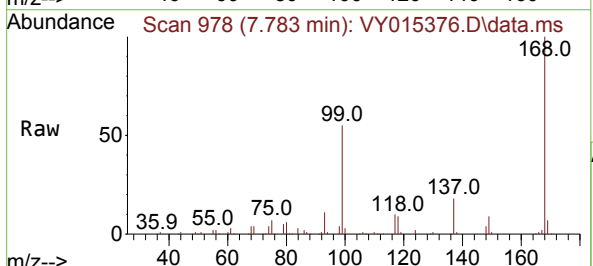
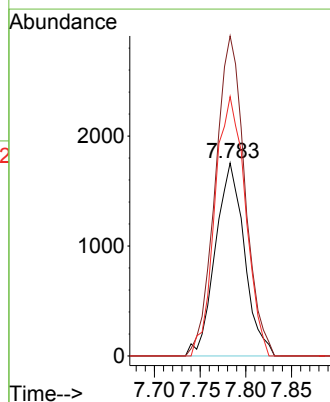
Tgt Ion: 56 Resp: 3884

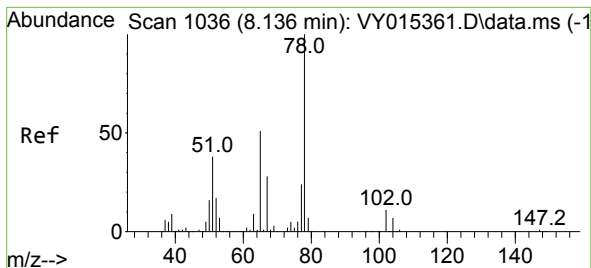
Ion Ratio Lower Upper

56 100

69 165.8 27.8 41.6#

84 134.4 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 62.685 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

Instrument :

MSVOA_Y

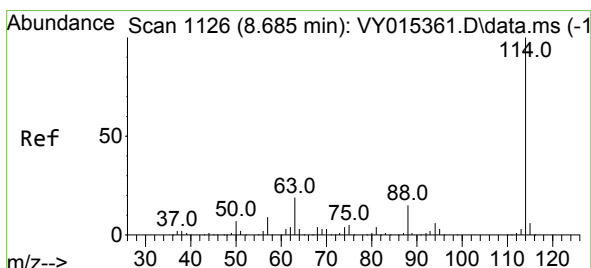
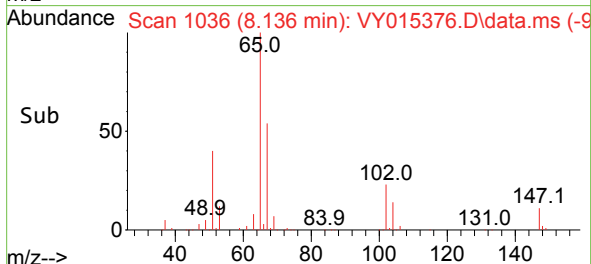
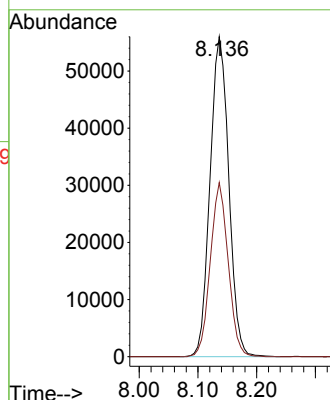
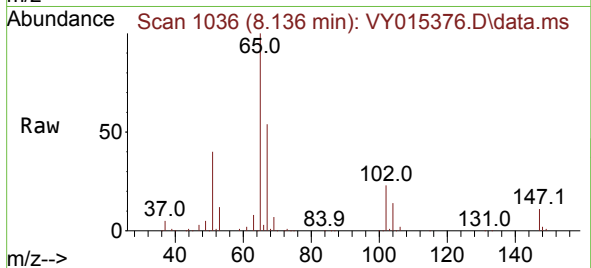
ClientSampleId :

Tgt Ion: 65 Resp: 124042

Ion Ratio Lower Upper

65 100

67 52.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015376.D

Acq: 30 Aug 2023 14:40

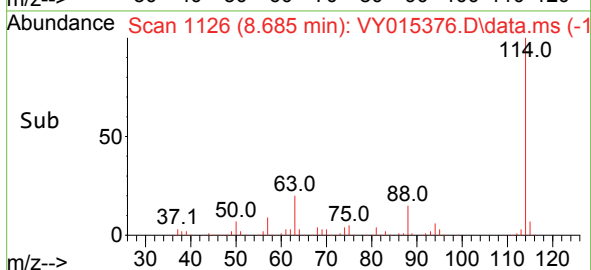
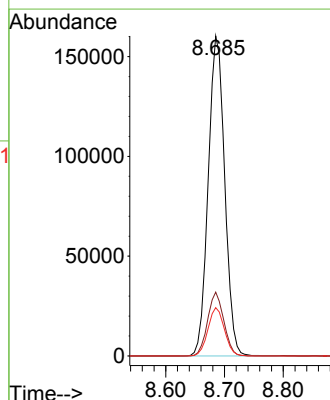
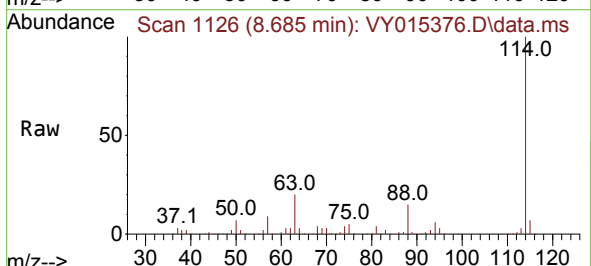
Tgt Ion: 114 Resp: 312912

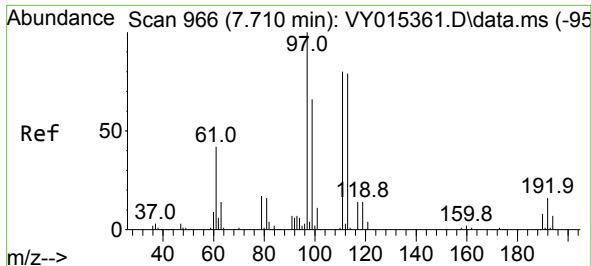
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

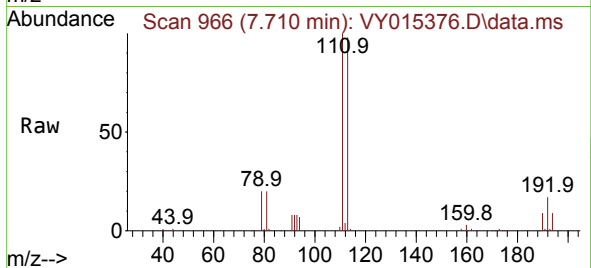
88 15.1 0.0 30.6



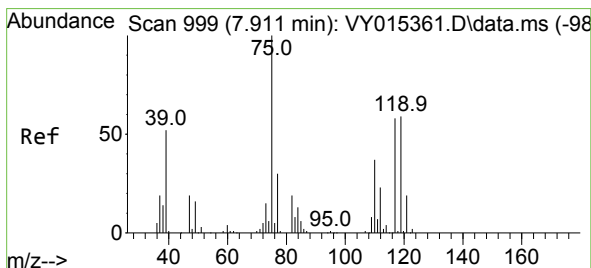
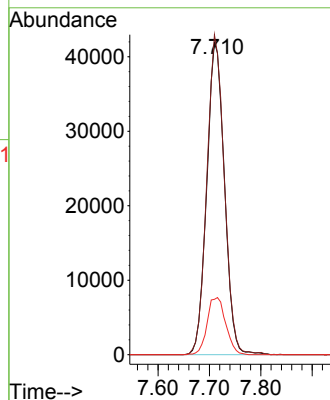
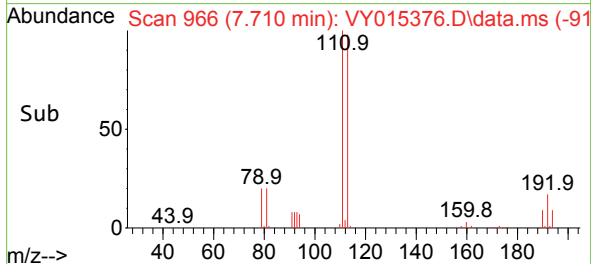


#35
Dibromofluoromethane
Concen: 55.573 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

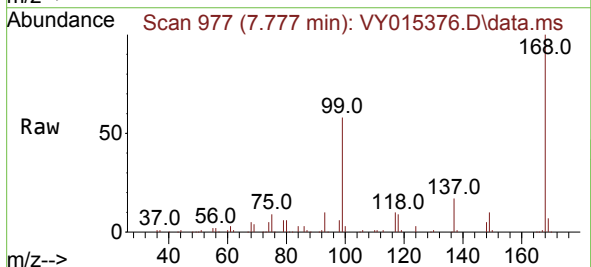
Instrument :
MSVOA_Y
ClientSampleId :



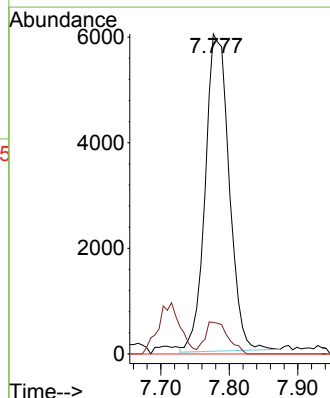
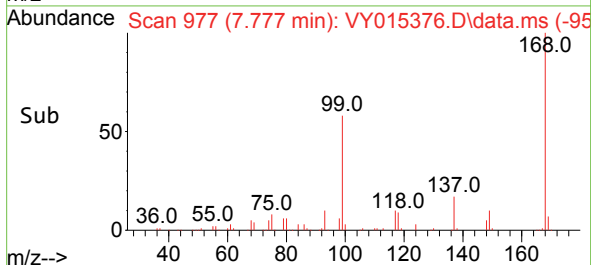
Tgt Ion:113 Resp: 100160
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.2 16.9 25.3

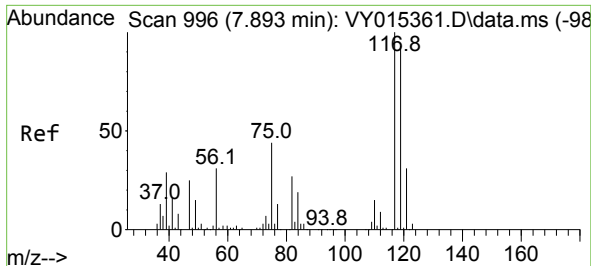


#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40



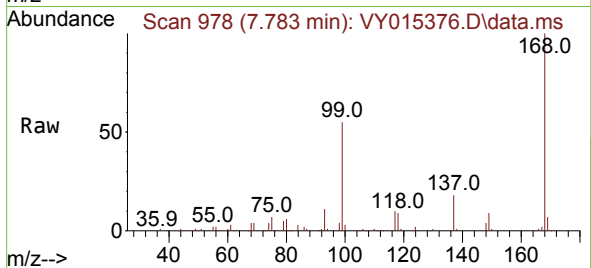
Tgt Ion: 75 Resp: 14571
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.5#
77 0.0 24.4 36.6#



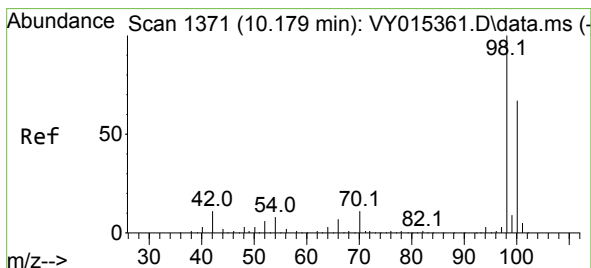
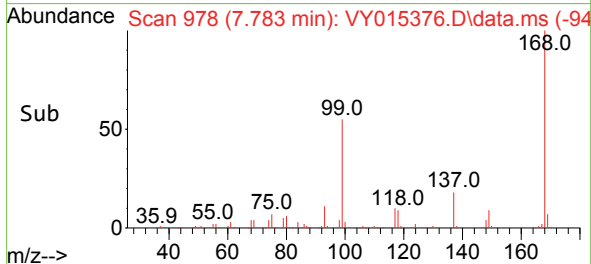
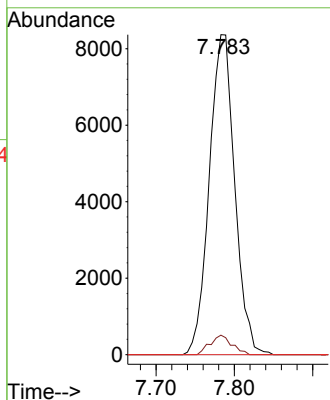


#38
Carbon Tetrachloride
Concen: 5.780 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

Instrument :
MSVOA_Y
ClientSampleId :

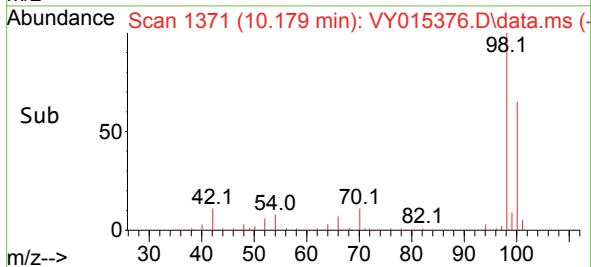
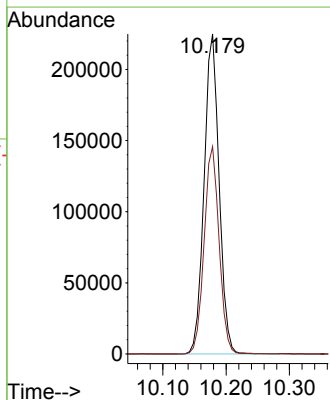
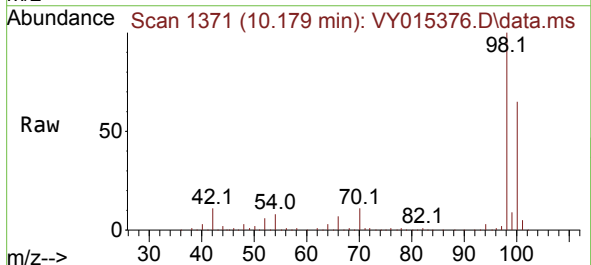


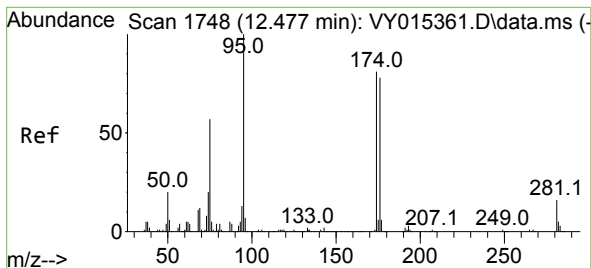
Tgt Ion:117 Resp: 18893
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 56.845 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

Tgt Ion: 98 Resp: 371016
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

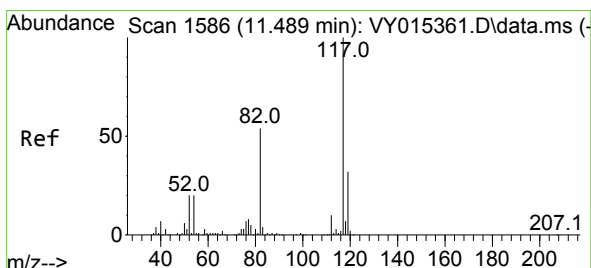
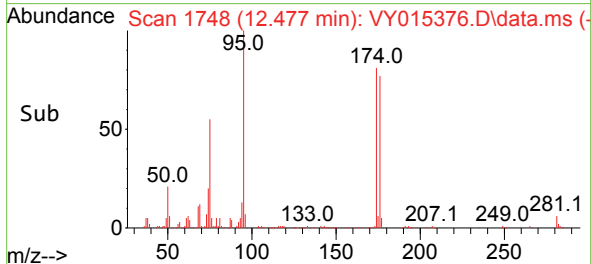
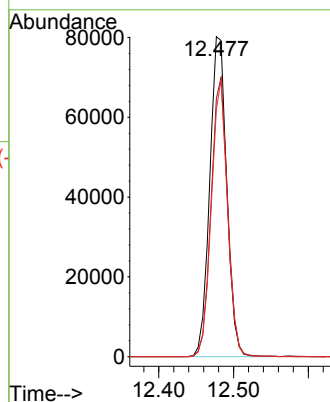
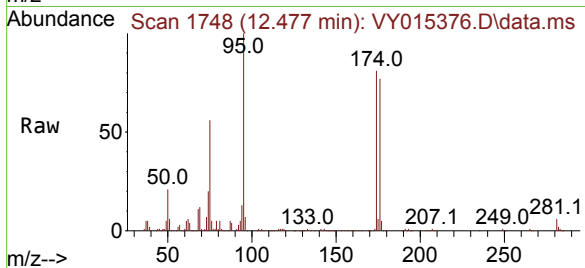




#62
4-Bromofluorobenzene
Concen: 52.185 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

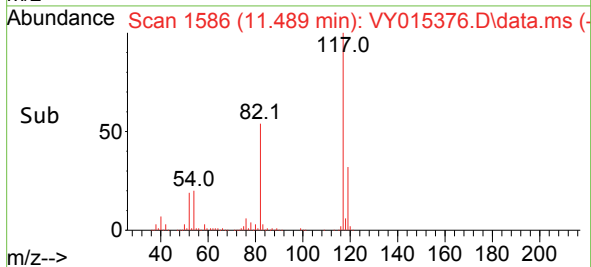
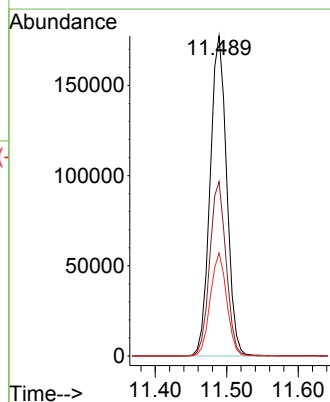
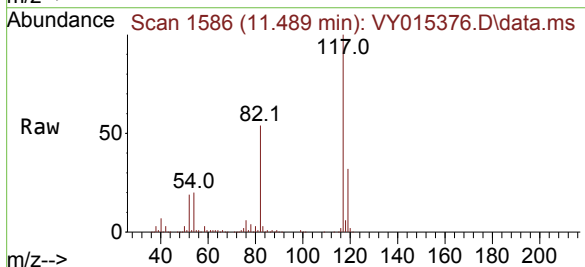
Instrument :
MSVOA_Y
ClientSampleId :

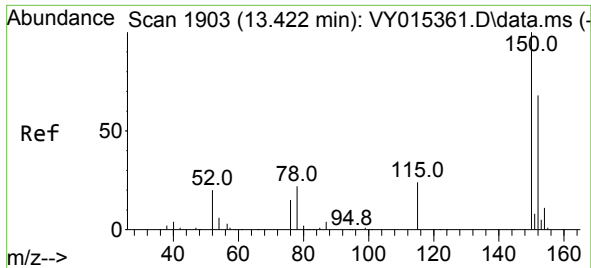
Tgt Ion: 95 Resp: 126445
Ion Ratio Lower Upper
95 100
174 85.2 0.0 178.2
176 82.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015376.D
Acq: 30 Aug 2023 14:40

Tgt Ion: 117 Resp: 285645
Ion Ratio Lower Upper
117 100
82 54.4 43.4 65.0
119 32.2 26.3 39.5

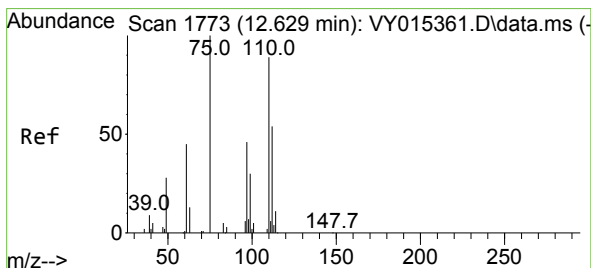
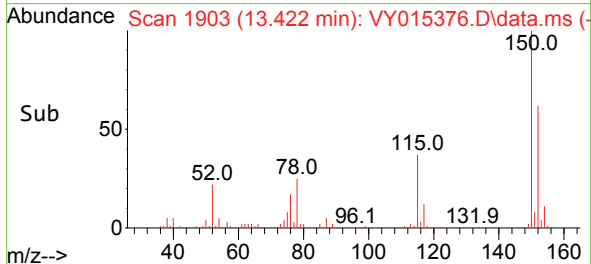
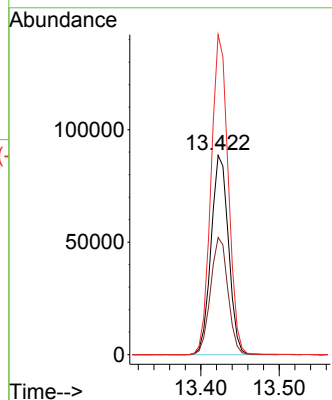
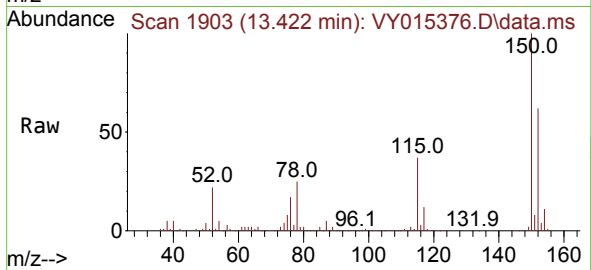




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY015376.D
 Acq: 30 Aug 2023 14:40

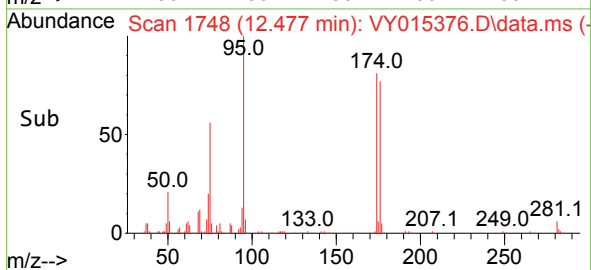
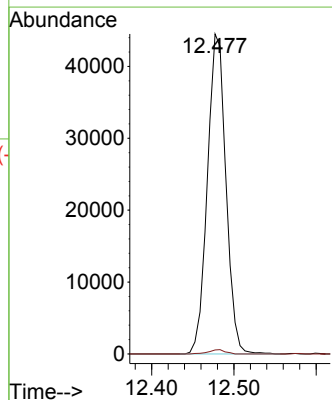
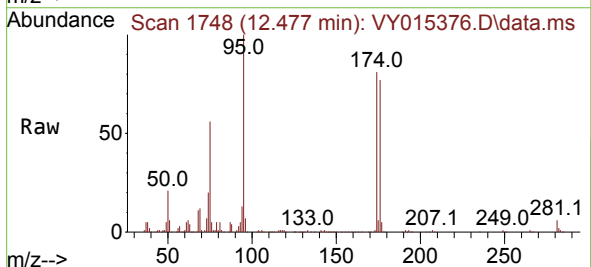
Instrument :
 MSVOA_Y
 ClientSampleId :

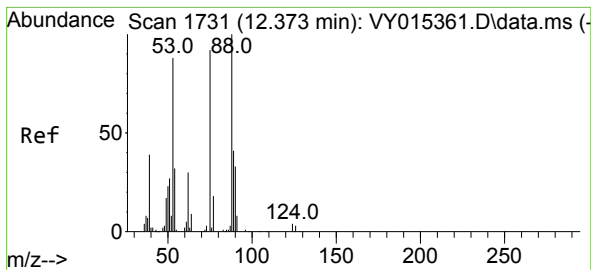
Tgt Ion:152 Resp: 137136
 Ion Ratio Lower Upper
 152 100
 115 58.5 28.8 86.5
 150 158.0 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.507 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015376.D
 Acq: 30 Aug 2023 14:40

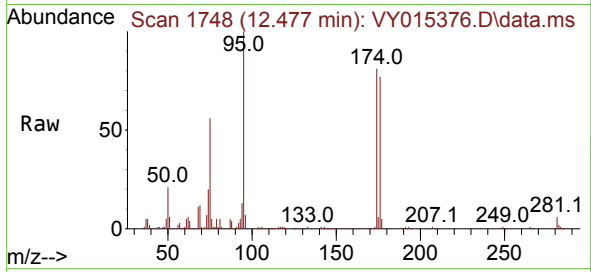
Tgt Ion: 75 Resp: 69739
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.592 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY015376.D
 Acq: 30 Aug 2023 14:40

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 69739
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

