

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY083023\
 Data File : VY015377.D
 Acq On : 30 Aug 2023 15:03
 Operator : SY/MD
 Sample : 04203-07
 Misc : 5.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 31 01:01:00 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)

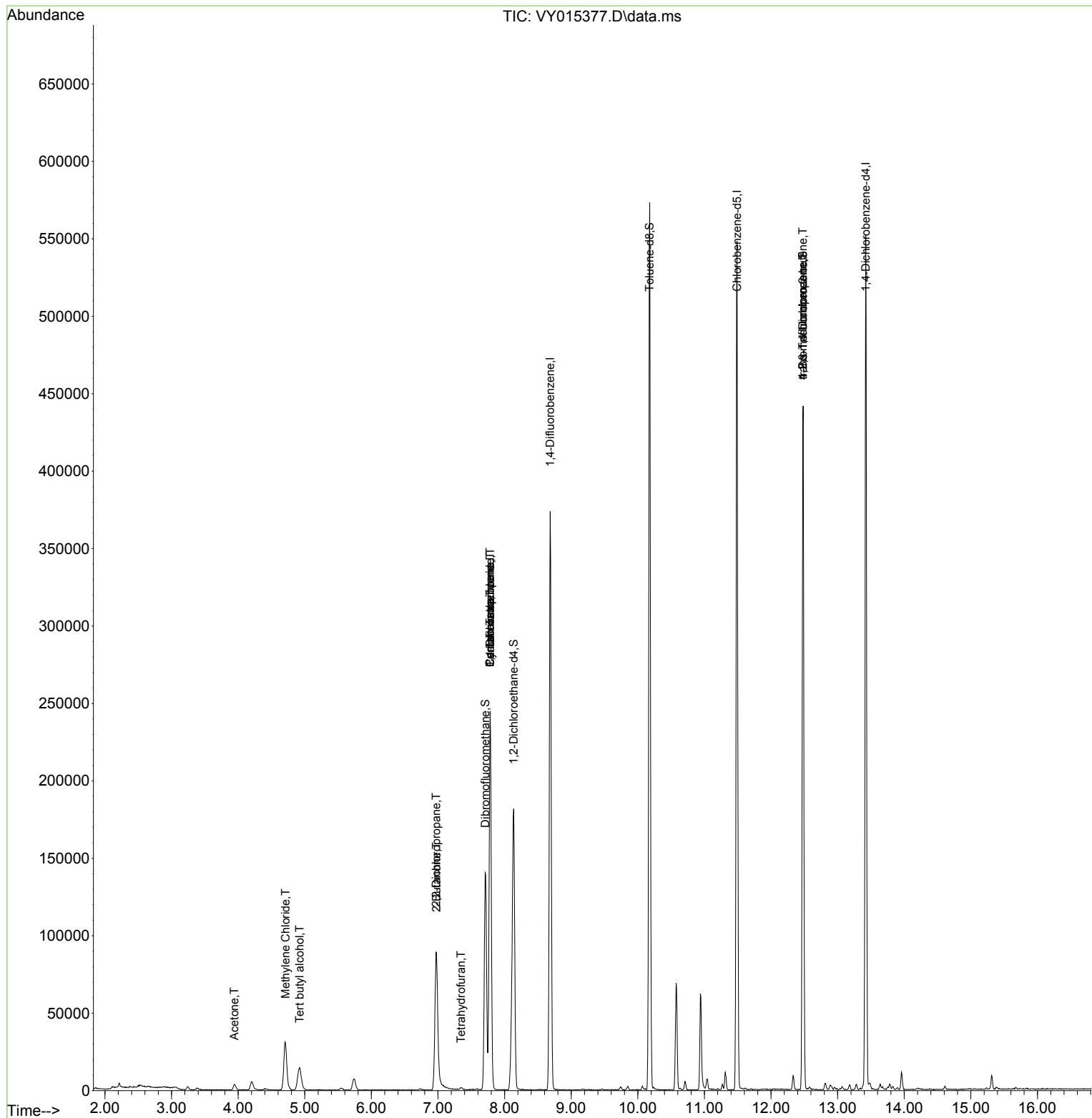
Internal Standards						
1) Pentafluorobenzene	7.783	168	189793	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	321336	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	289881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	138582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123958	60.926	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.860%	
35) Dibromofluoromethane	7.710	113	99995	54.027	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.060%	
50) Toluene-d8	10.179	98	372928	55.640	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.280%	
62) 4-Bromofluorobenzene	12.477	95	126635	50.894	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.780%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	15519	32.896	ug/l #	91
16) Acetone	3.942	43	6701	7.891	ug/l	97
20) Methylene Chloride	4.710	84	23979	3.026	ug/l	88
25) 2-Butanone	6.978	43	5599	4.649	ug/l #	71
26) 2,2-Dichloropropane	6.972	77	6875	2.131	ug/l #	54
29) Tetrahydrofuran	7.344	42	1018	1.346	ug/l	95
31) Cyclohexane	7.783	56	4164	1.152	ug/l #	17
36) 1,1-Dichloropropene	7.783	75	14862	4.573	ug/l #	51
38) Carbon Tetrachloride	7.783	117	18875	5.623	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	69738	38.104	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69738	83.708	ug/l #	10

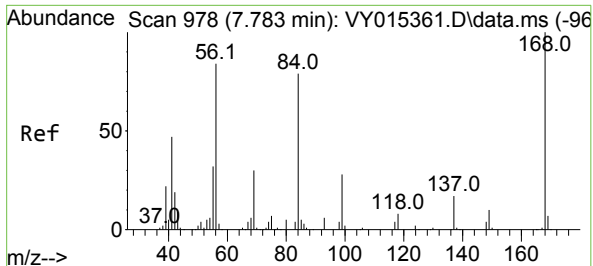
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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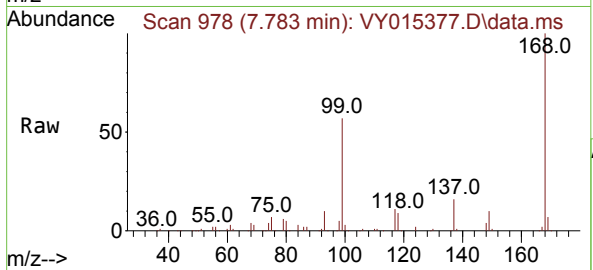
Quant Time: Aug 31 01:01:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 29 22:47:33 2023
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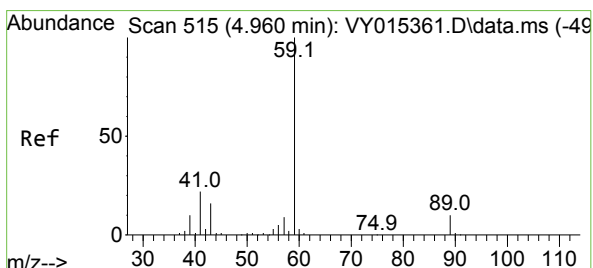
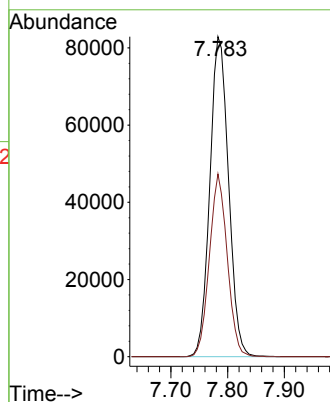
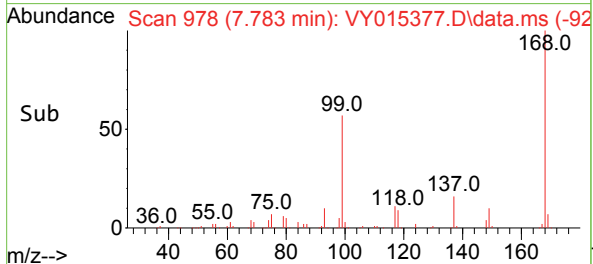


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

Instrument :
MSVOA_Y
ClientSampleId :

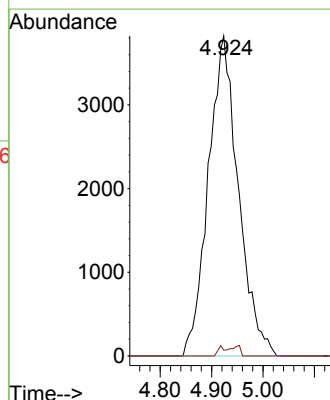
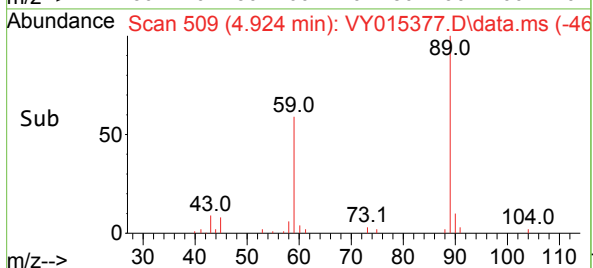
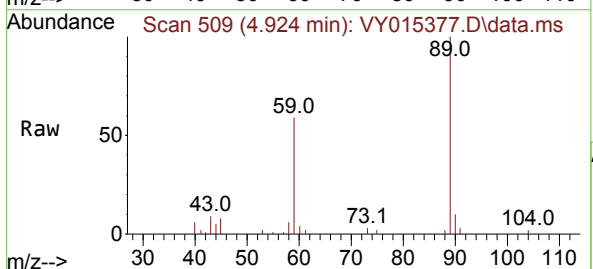


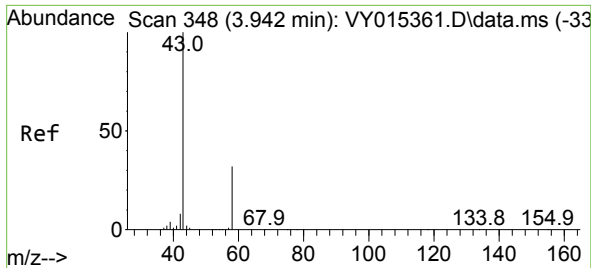
Tgt Ion:168 Resp: 189793
Ion Ratio Lower Upper
168 100
99 57.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 32.896 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

Tgt Ion: 59 Resp: 15519
Ion Ratio Lower Upper
59 100
57 0.8 3.0 4.4#





#16

Acetone

Concen: 7.891 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

Instrument :

MSVOA_Y

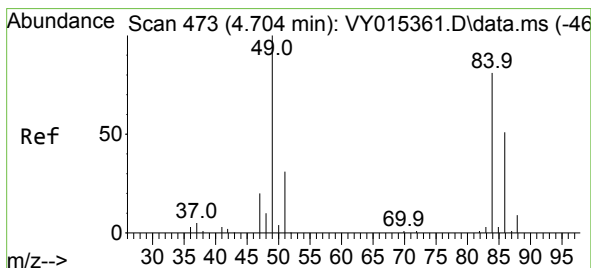
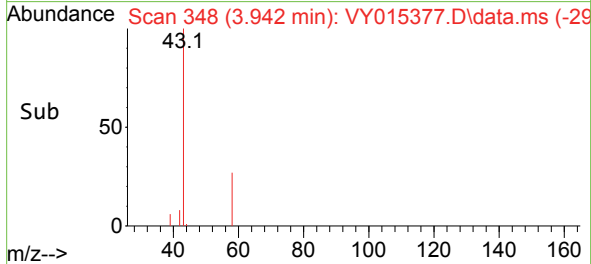
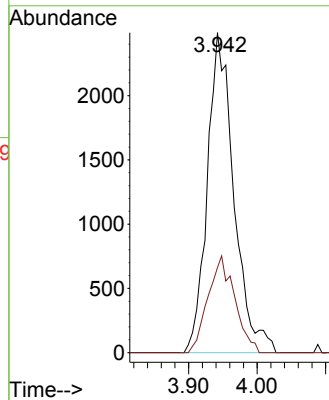
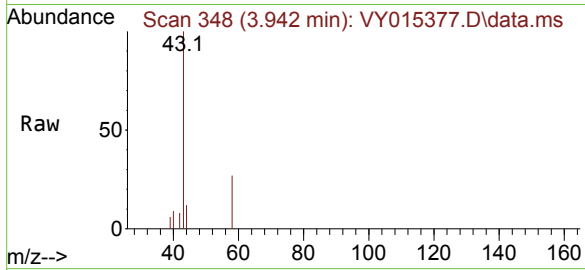
ClientSampleId :

Tgt Ion: 43 Resp: 6701

Ion Ratio Lower Upper

43 100

58 26.6 22.7 34.1



#20

Methylene Chloride

Concen: 3.026 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

Tgt Ion: 84 Resp: 23979

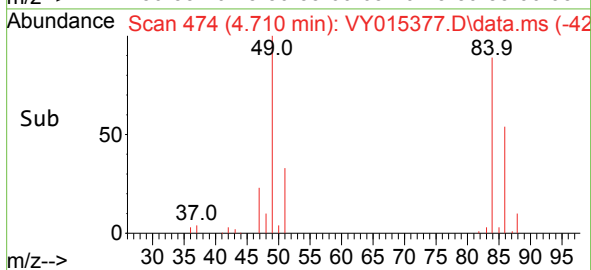
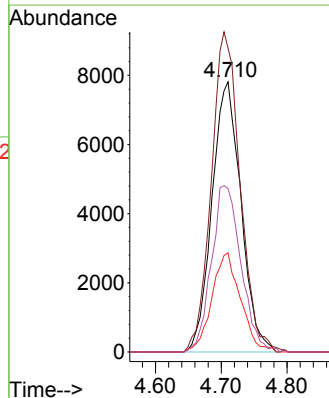
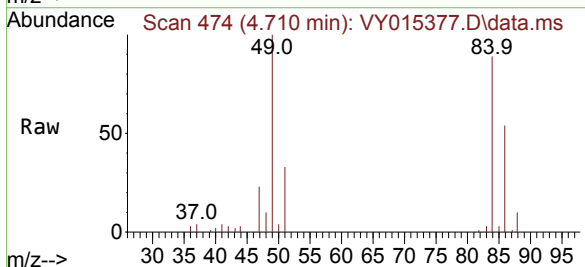
Ion Ratio Lower Upper

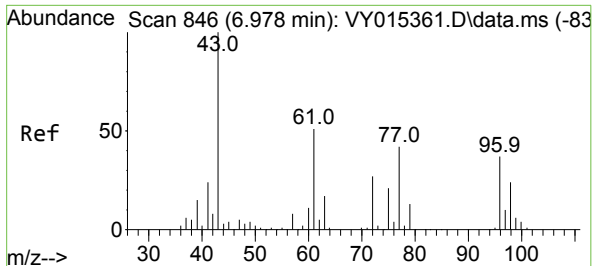
84 100

49 112.5 106.9 160.3

51 36.7 33.2 49.8

86 60.5 51.0 76.6





#25

2-Butanone

Concen: 4.649 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

Instrument :

MSVOA_Y

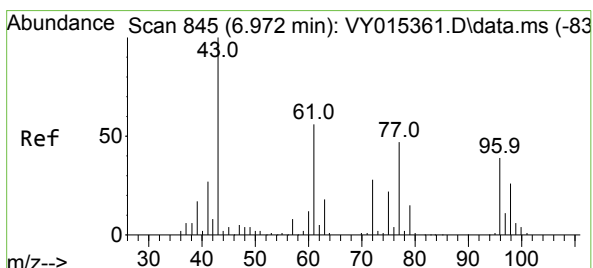
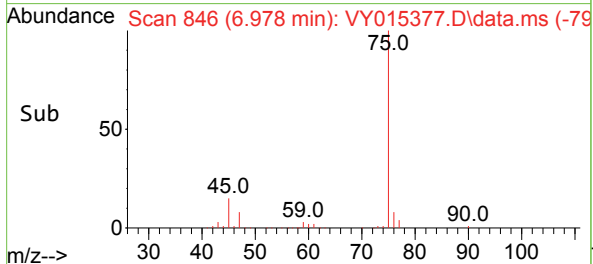
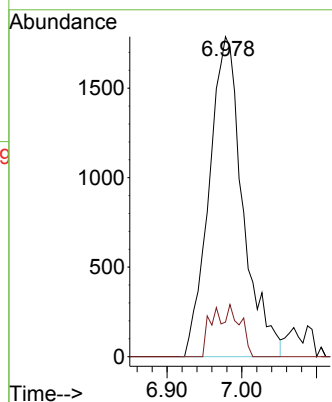
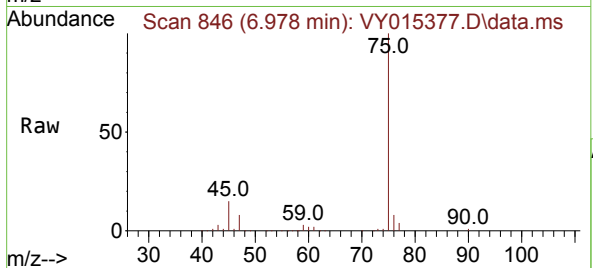
ClientSampleId :

Tgt Ion: 43 Resp: 5599

Ion Ratio Lower Upper

43 100

72 10.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 2.131 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY015377.D

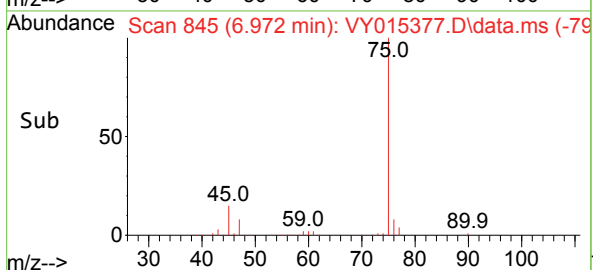
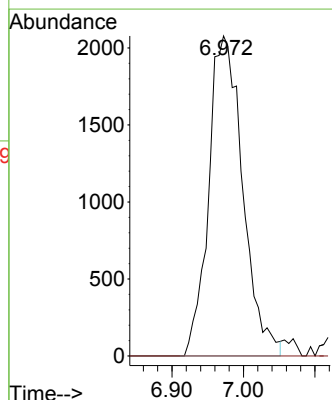
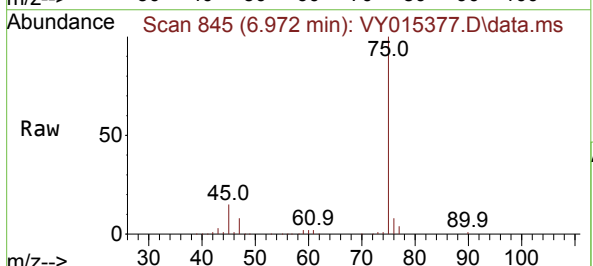
Acq: 30 Aug 2023 15:03

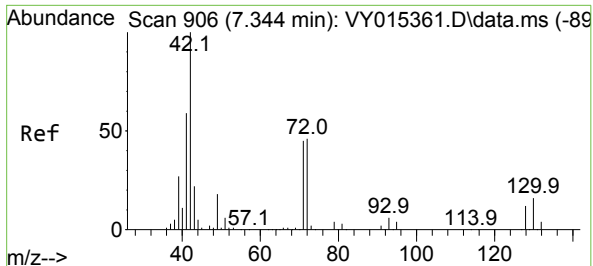
Tgt Ion: 77 Resp: 6875

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.346 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.000 min

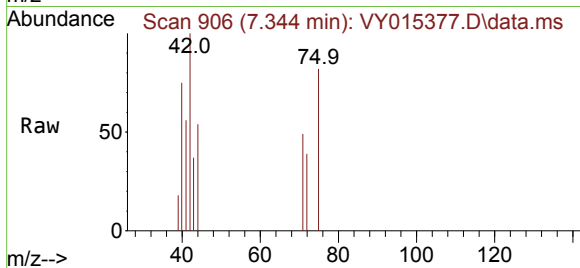
Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

Instrument :

MSVOA_Y

ClientSampleId :



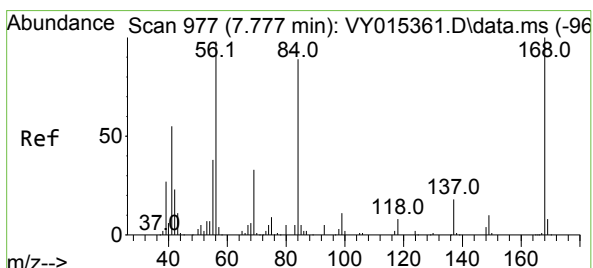
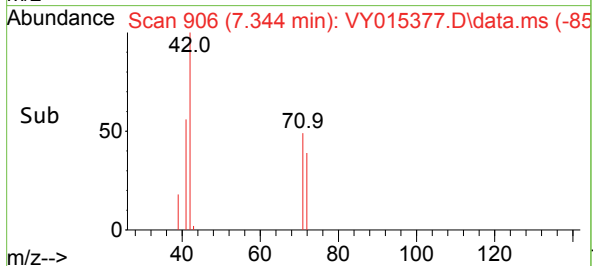
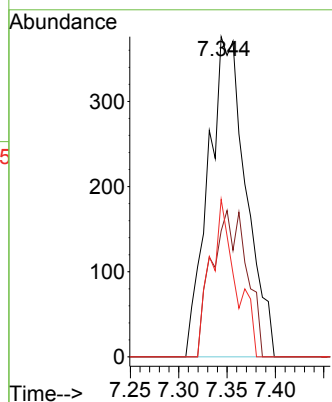
Tgt Ion: 42 Resp: 1018

Ion Ratio Lower Upper

42 100

72 42.4 32.8 49.2

71 33.3 31.0 46.4



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

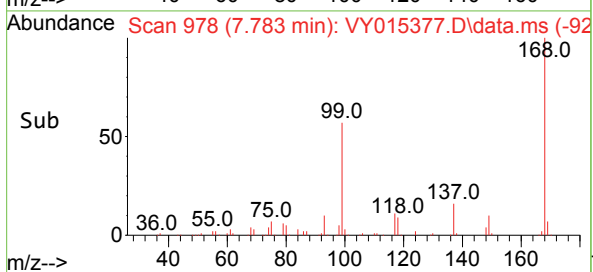
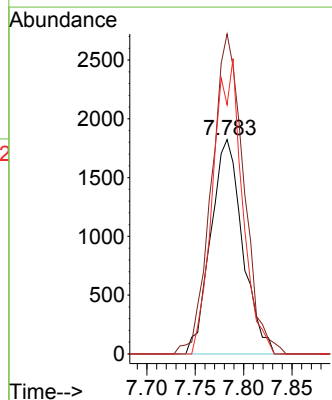
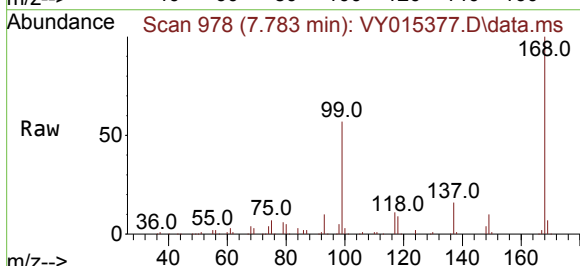
Tgt Ion: 56 Resp: 4164

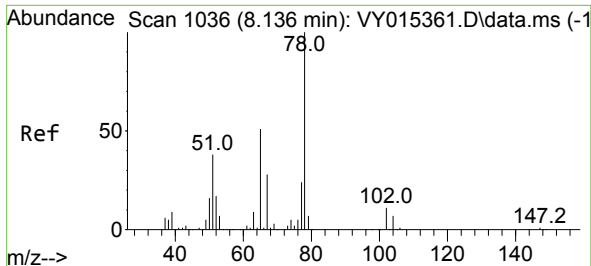
Ion Ratio Lower Upper

56 100

69 146.3 27.8 41.6#

84 116.2 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 60.926 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015377.D

Acq: 30 Aug 2023 15:03

Instrument :

MSVOA_Y

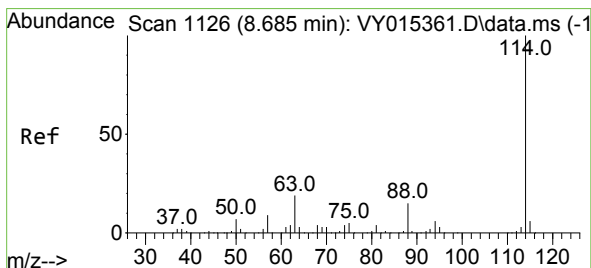
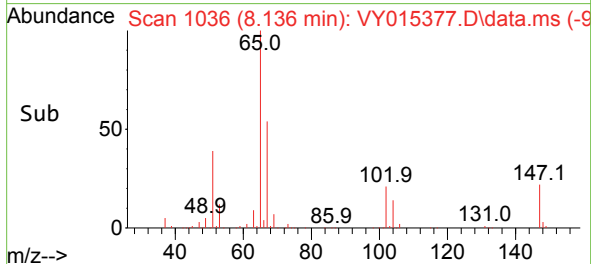
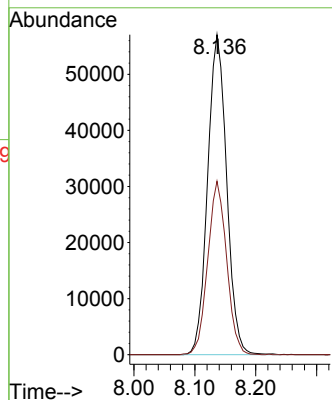
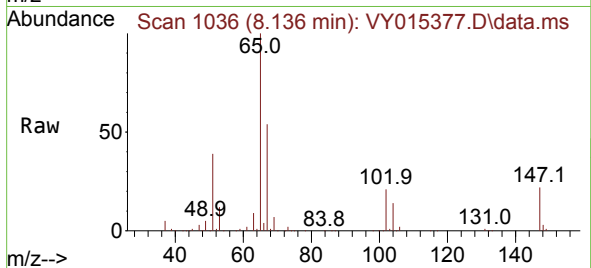
ClientSampleId :

Tgt Ion: 65 Resp: 123958

Ion Ratio Lower Upper

65 100

67 53.8 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: VY015377.D

Acq: 30 Aug 2023 15:03

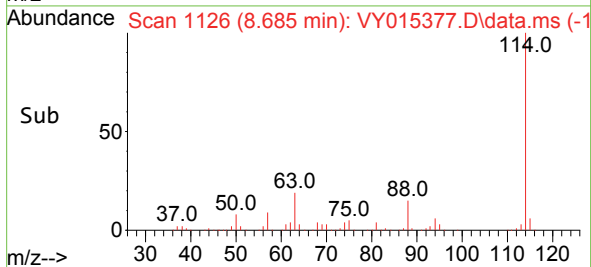
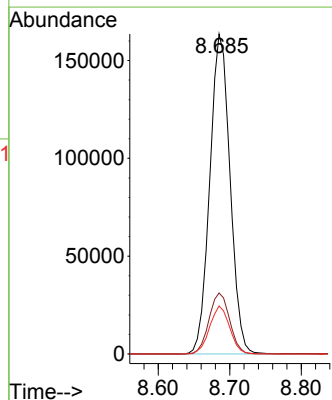
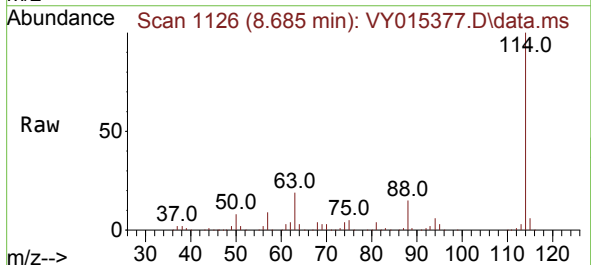
Tgt Ion:114 Resp: 321336

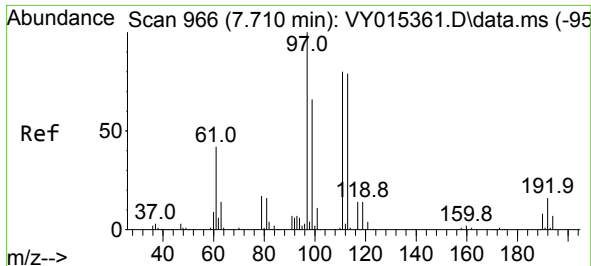
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.0 0.0 30.6

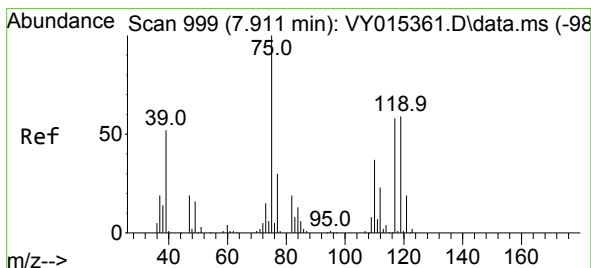
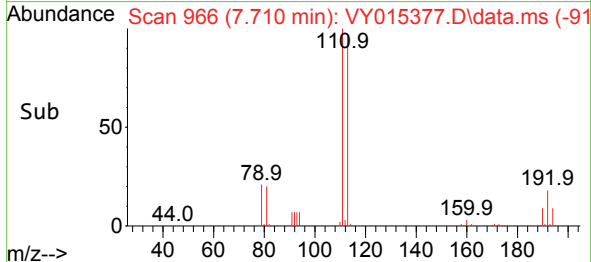
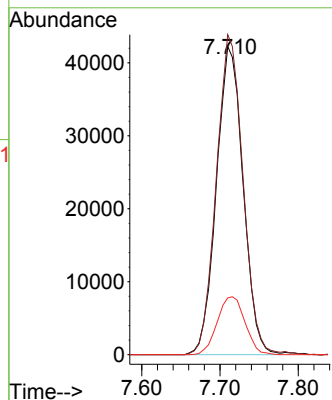
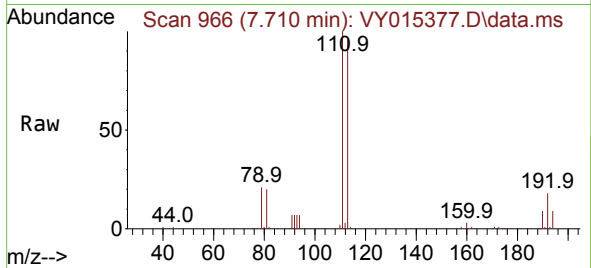




#35
Dibromofluoromethane
Concen: 54.027 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

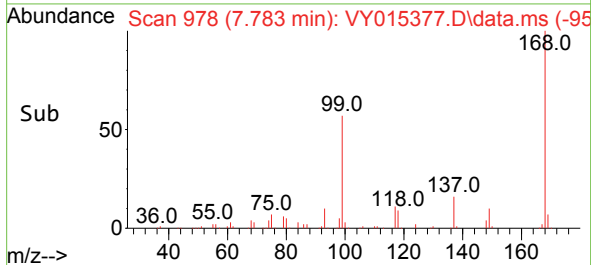
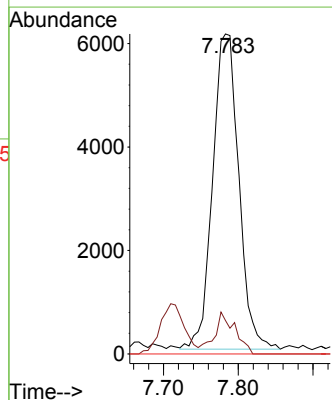
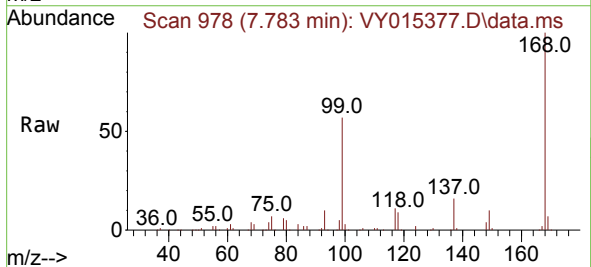
Instrument :
MSVOA_Y
ClientSampleId :

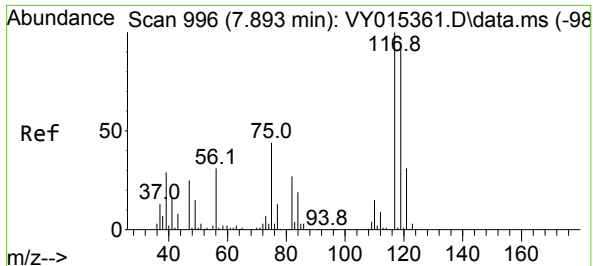
Tgt Ion:113 Resp: 99995
Ion Ratio Lower Upper
113 100
111 103.9 81.3 121.9
192 19.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.573 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

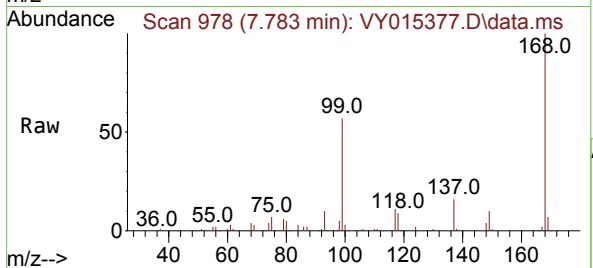
Tgt Ion: 75 Resp: 14862
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#



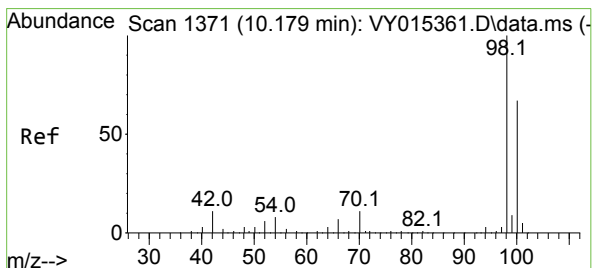
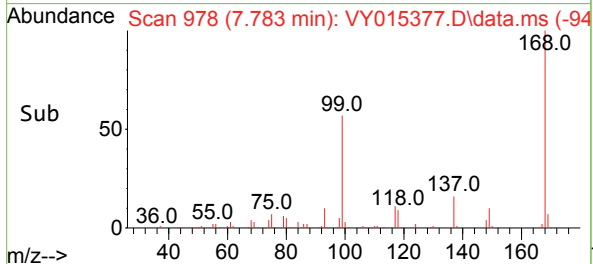
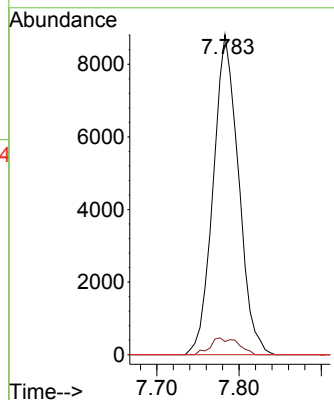


#38
Carbon Tetrachloride
Concen: 5.623 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

Instrument :
MSVOA_Y
ClientSampleId :

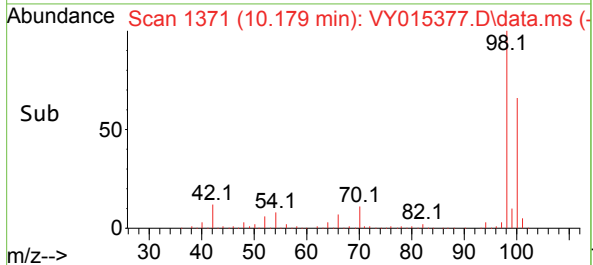
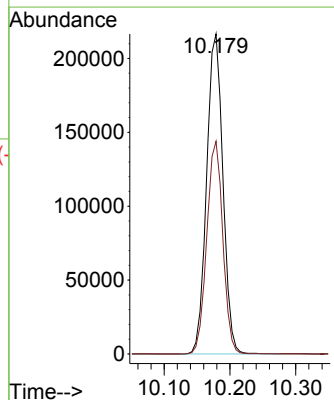
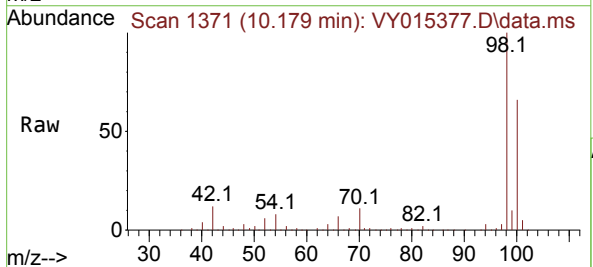


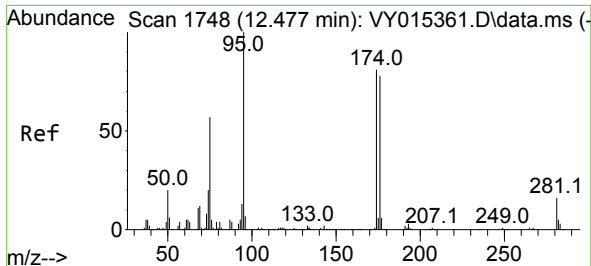
Tgt Ion:117 Resp: 18875
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 55.640 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

Tgt Ion: 98 Resp: 372928
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

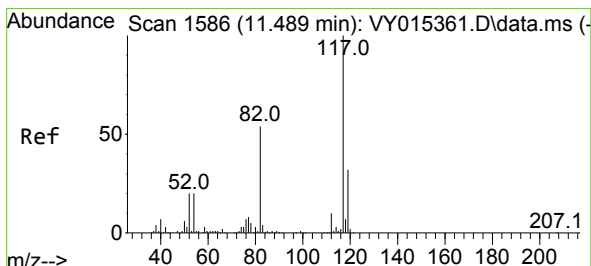
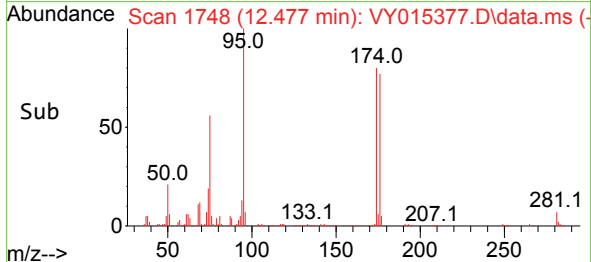
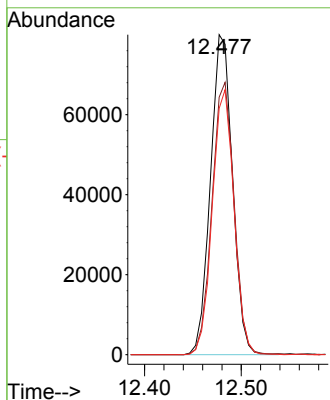
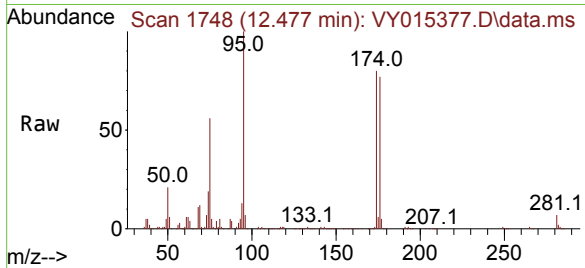




#62
4-Bromofluorobenzene
Concen: 50.894 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

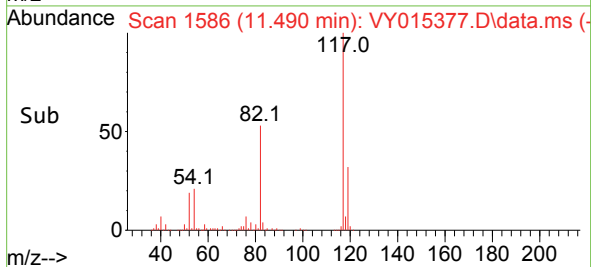
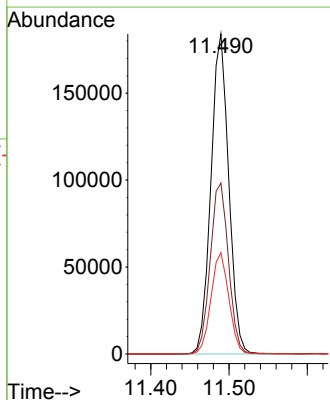
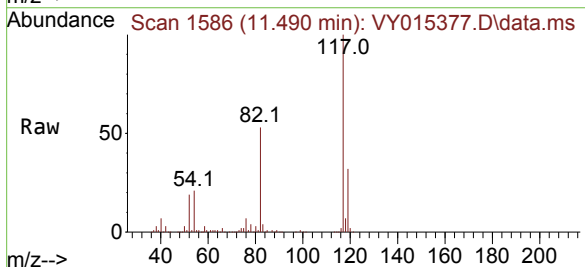
Instrument :
MSVOA_Y
ClientSampleId :

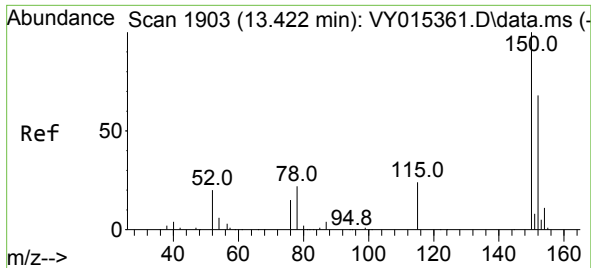
Tgt Ion: 95 Resp: 126635
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 81.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015377.D
Acq: 30 Aug 2023 15:03

Tgt Ion: 117 Resp: 289881
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.6 26.3 39.5

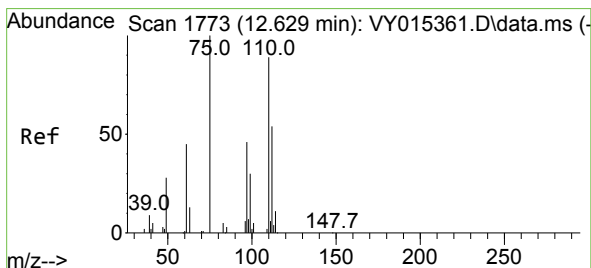
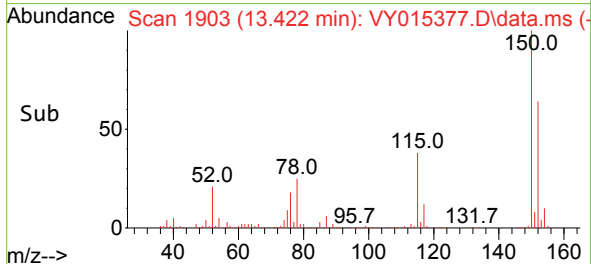
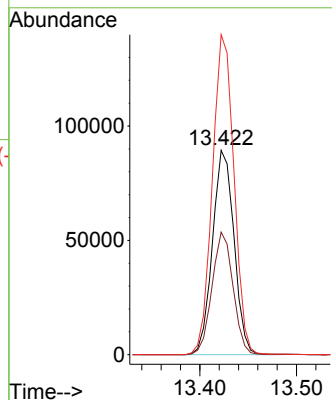
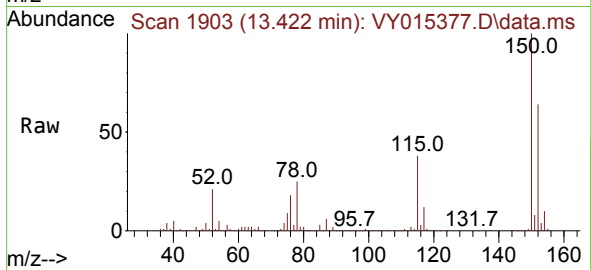




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY015377.D
 Acq: 30 Aug 2023 15:03

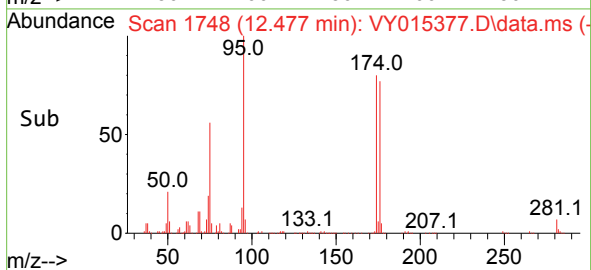
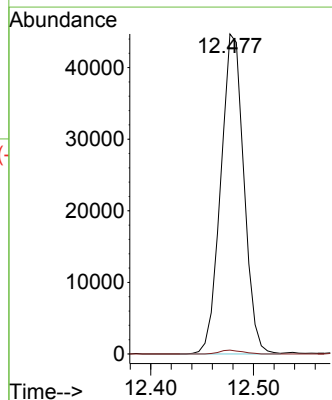
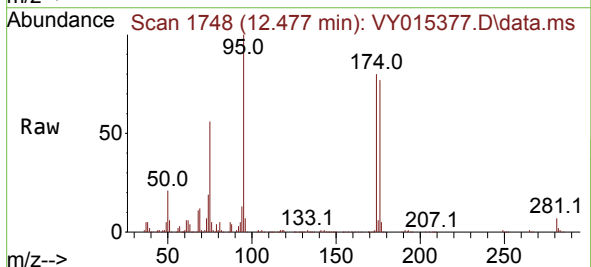
Instrument :
 MSVOA_Y
 ClientSampleId :

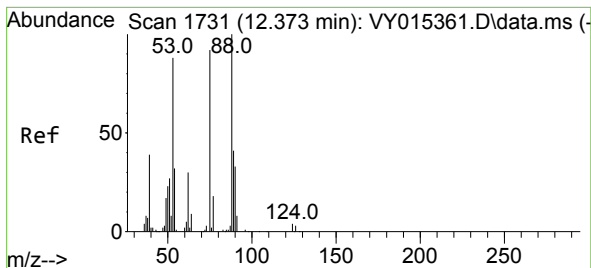
Tgt Ion:152 Resp: 138582
 Ion Ratio Lower Upper
 152 100
 115 58.6 28.8 86.5
 150 156.8 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 38.104 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY015377.D
 Acq: 30 Aug 2023 15:03

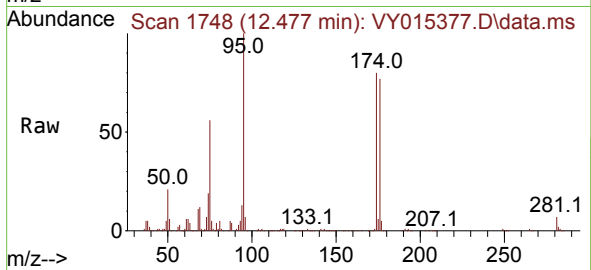
Tgt Ion: 75 Resp: 69738
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.708 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY015377.D
 Acq: 30 Aug 2023 15:03

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 69738
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

