

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012618.D
 Acq On : 15 Feb 2023 16:48
 Operator : KP/MD
 Sample : 01559-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 00:59:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

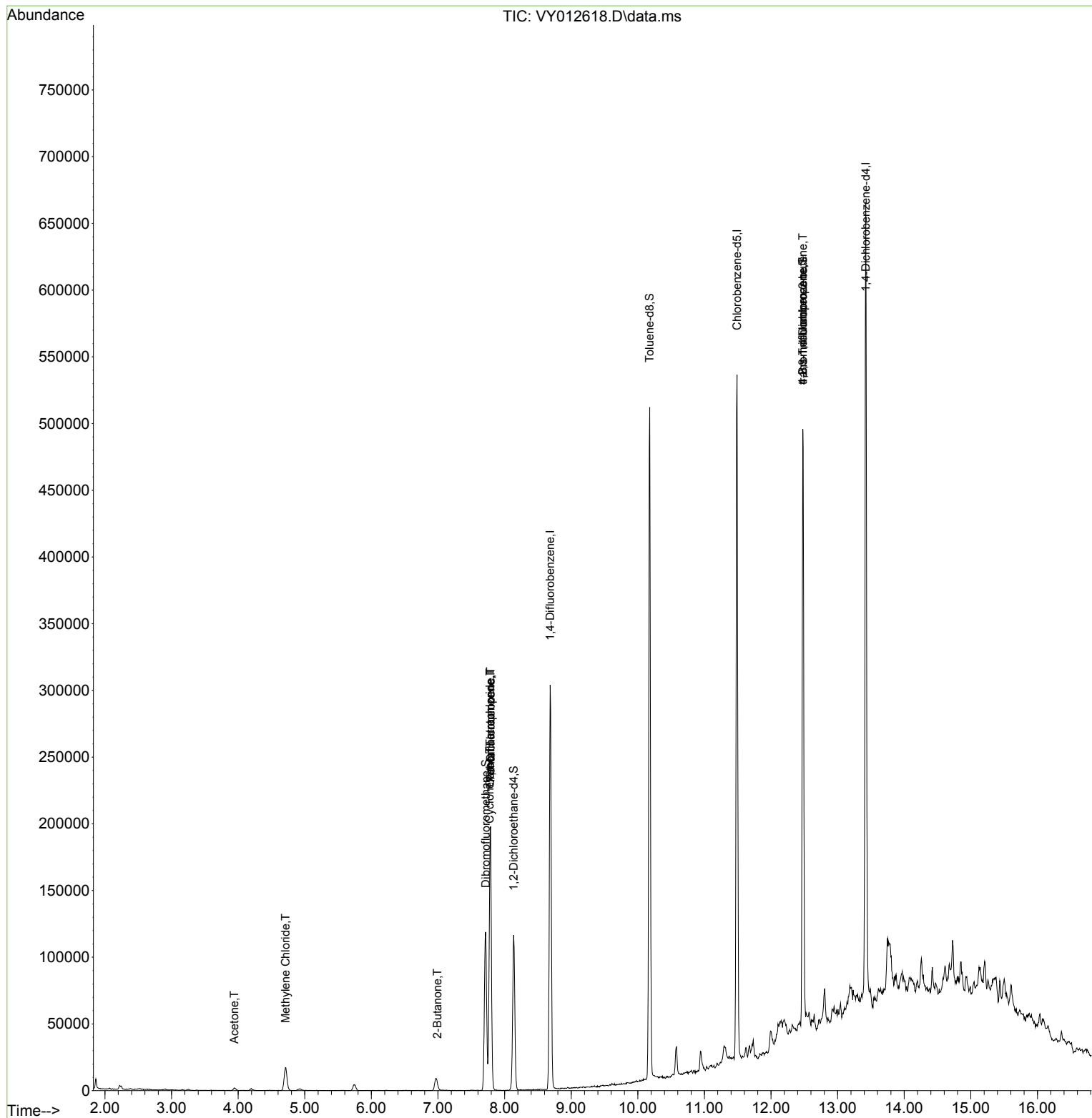
Internal Standards						
1) Pentafluorobenzene	7.789	168	160847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272481	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	299747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	158313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	96801	47.327	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.660%
35) Dibromofluoromethane	7.716	113	81267	40.954	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.900%
50) Toluene-d8	10.179	98	339343	41.085	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	82.180%
62) 4-Bromofluorobenzene	12.477	95	132898	46.130	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	92.260%
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	49	Below Cal	#	15
11) Tert butyl alcohol	4.942	59	1696	Below Cal	#	75
16) Acetone	3.942	43	3287	6.677	ug/l	94
20) Methylene Chloride	4.710	84	14227	3.843	ug/l	97
25) 2-Butanone	6.990	43	855	1.565	ug/l #	40
31) Cyclohexane	7.777	56	2616	1.106	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	10468	3.898	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15333	4.253	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	70821	40.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70821	90.294	ug/l #	13

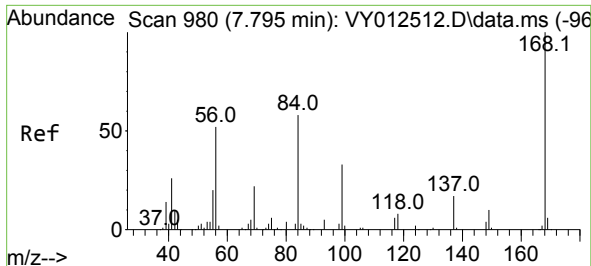
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

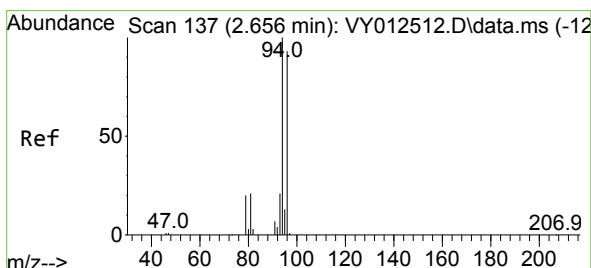
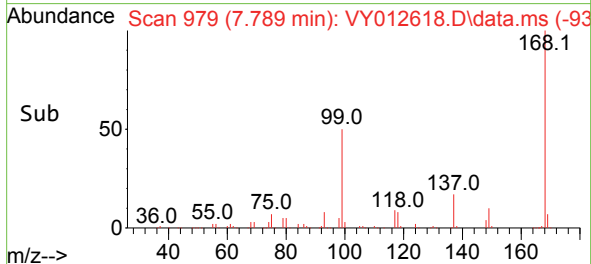
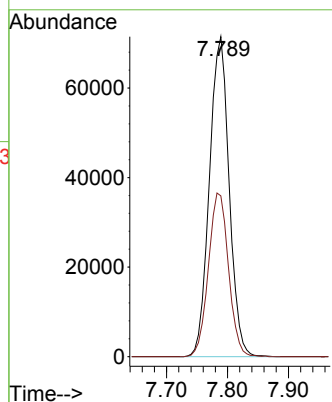
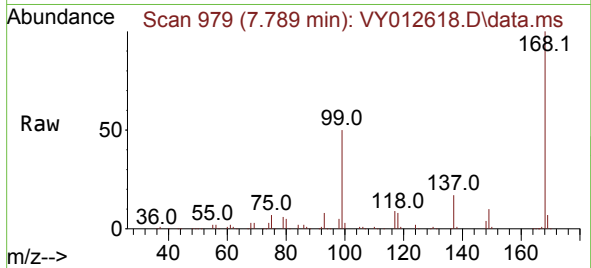




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

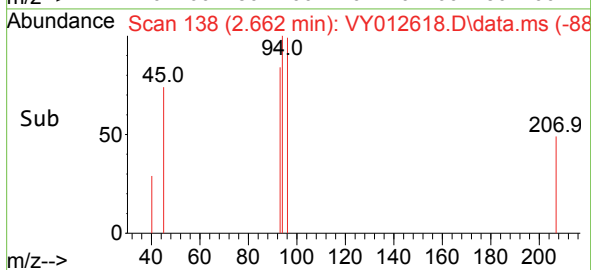
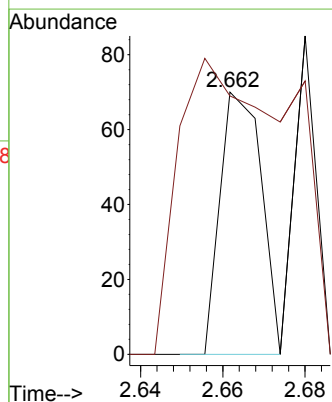
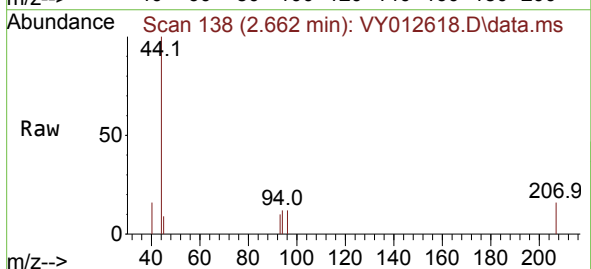
Instrument :
MSVOA_Y
ClientSampleId :

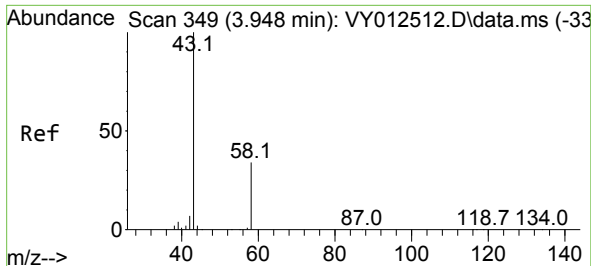
Tgt Ion:168 Resp: 160847
Ion Ratio Lower Upper
168 100
99 50.2 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 11.4 74.7 112.1#

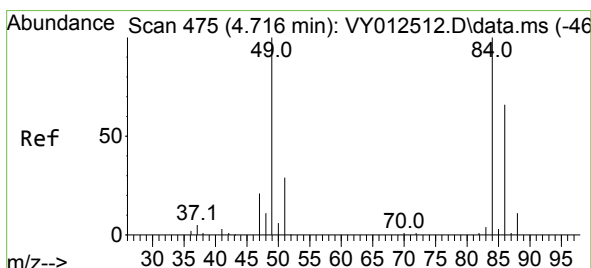
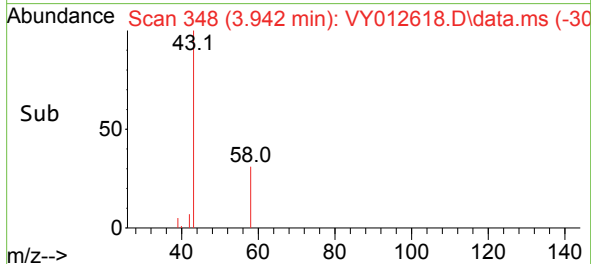
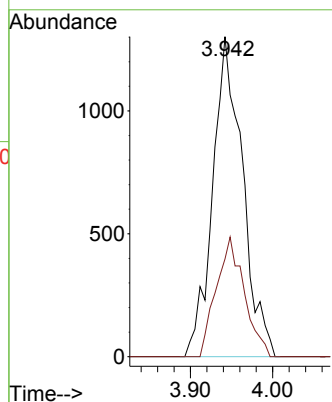
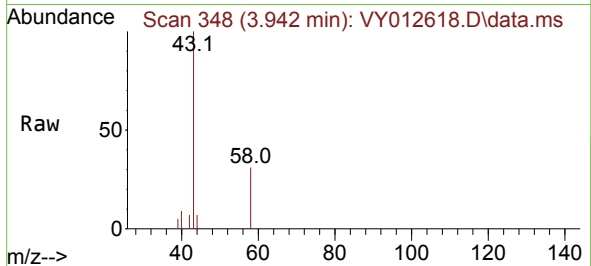




#16
Acetone
Concen: 6.677 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

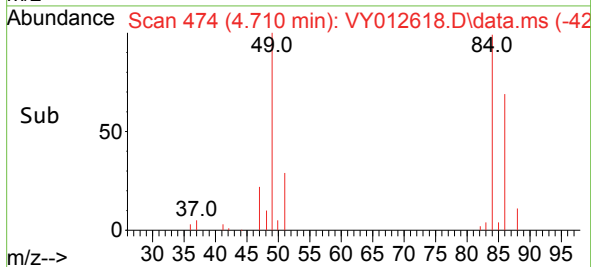
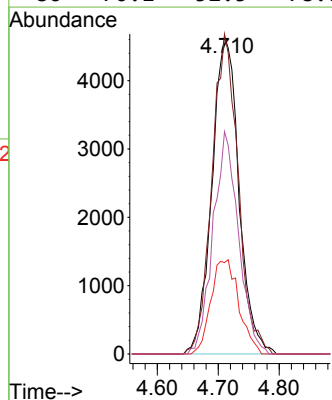
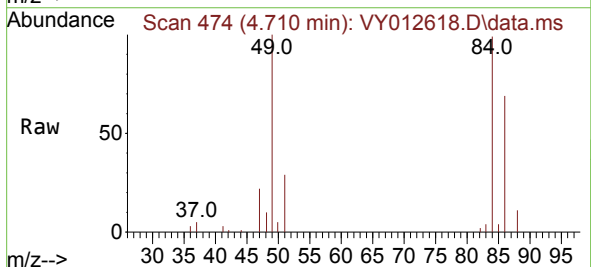
Instrument :
MSVOA_Y
ClientSampleId :

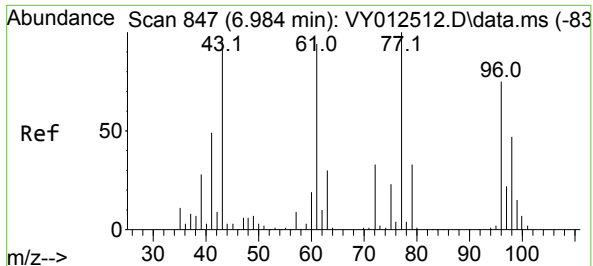
Tgt Ion: 43 Resp: 3287
Ion Ratio Lower Upper
43 100
58 30.6 27.1 40.7



#20
Methylene Chloride
Concen: 3.843 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

Tgt Ion: 84 Resp: 14227
Ion Ratio Lower Upper
84 100
49 100.8 79.8 119.6
51 28.8 23.4 35.2
86 70.1 52.5 78.7





#25

2-Butanone

Concen: 1.565 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012618.D

Acq: 15 Feb 2023 16:48

Instrument :

MSVOA_Y

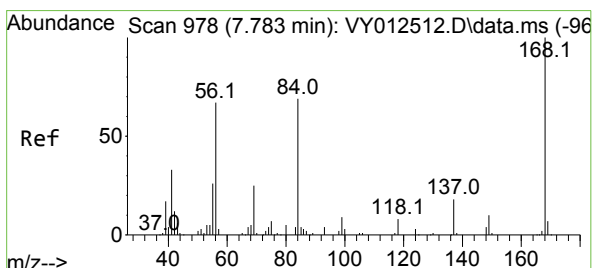
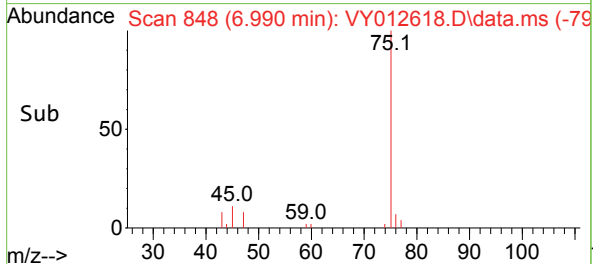
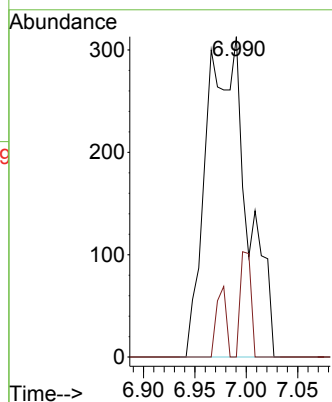
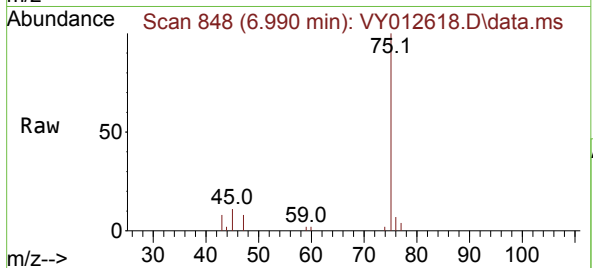
ClientSampleId :

Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

72 0.0 27.4 41.2#



#31

Cyclohexane

Concen: 1.106 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY012618.D

Acq: 15 Feb 2023 16:48

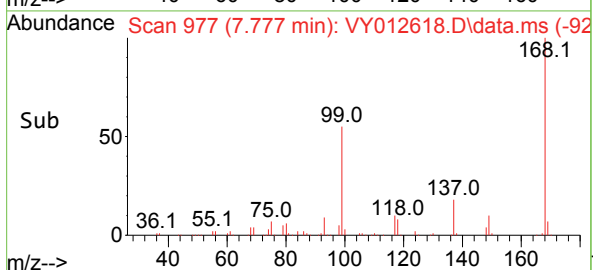
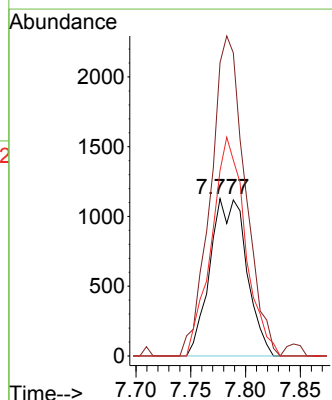
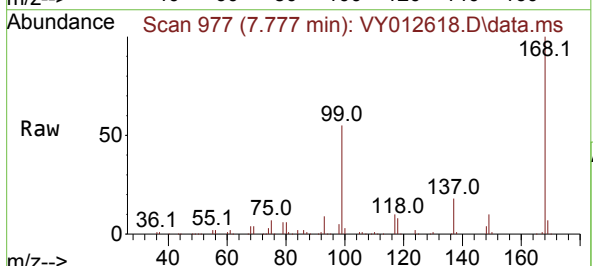
Tgt Ion: 56 Resp: 2616

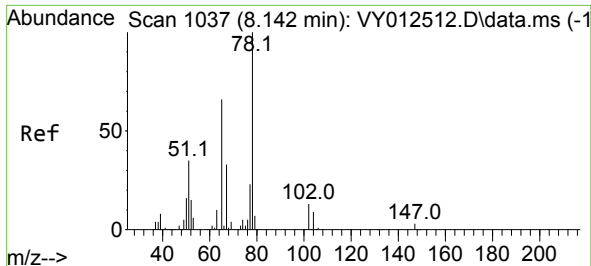
Ion Ratio Lower Upper

56 100

69 186.7 29.5 44.3#

84 117.9 81.9 122.9

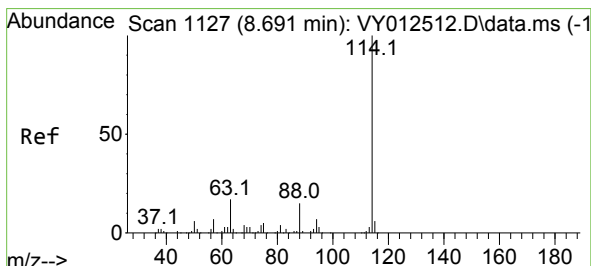
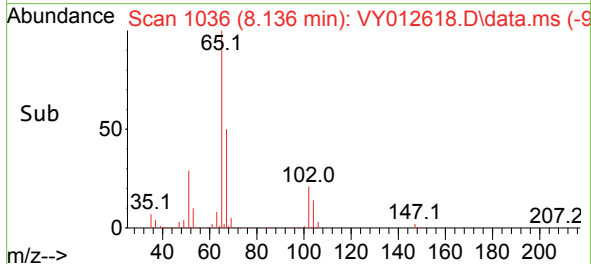
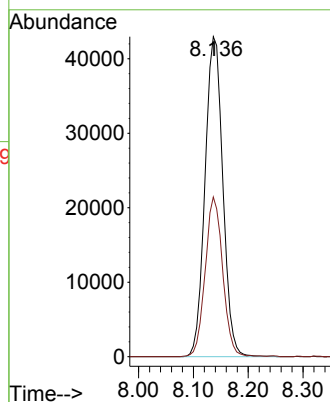
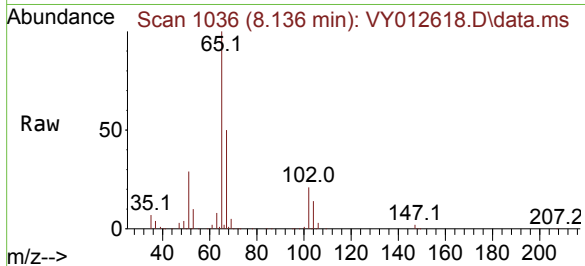




#33
 1,2-Dichloroethane-d4
 Concen: 47.327 ug/l
 RT: 8.136 min Scan# 110
 Delta R.T. -0.006 min
 Lab File: VY012618.D
 Acq: 15 Feb 2023 16:48

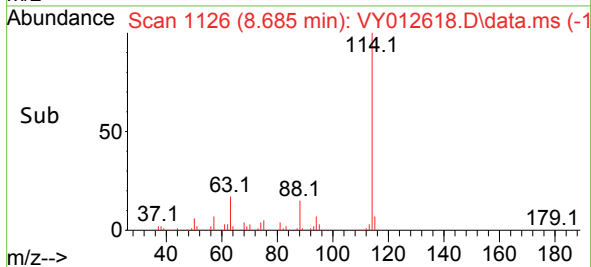
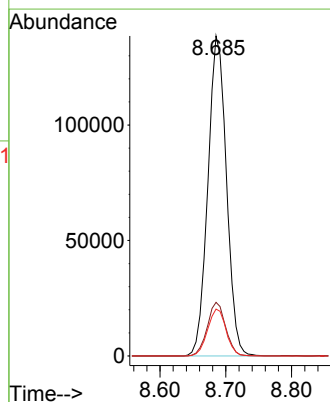
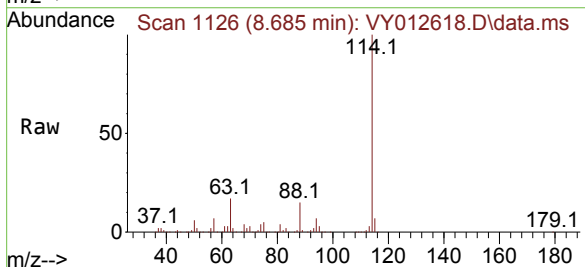
Instrument :
 MSVOA_Y
 ClientSampleId :

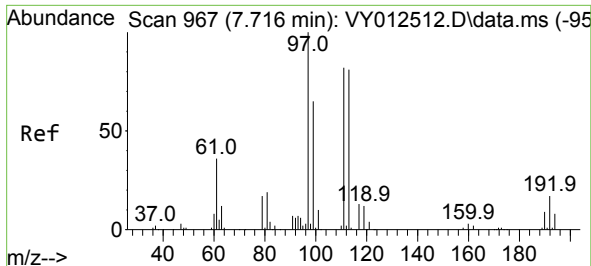
Tgt Ion: 65 Resp: 96801
 Ion Ratio Lower Upper
 65 100
 67 49.0 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY012618.D
 Acq: 15 Feb 2023 16:48

Tgt Ion: 114 Resp: 272481
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.6
 88 14.6 0.0 29.8

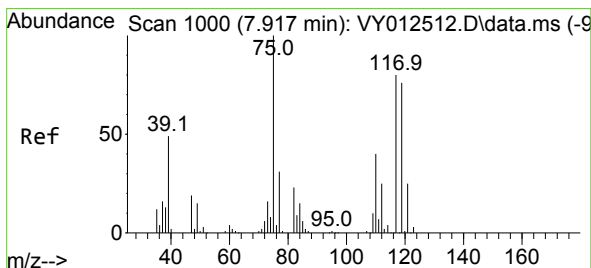
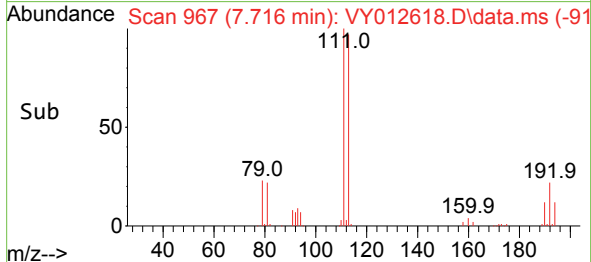
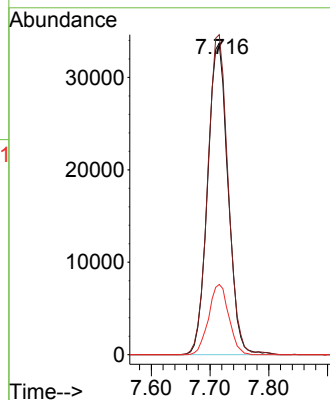
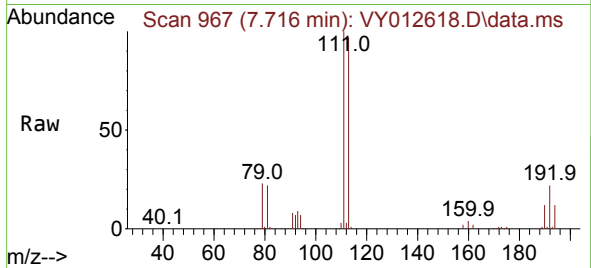




#35
Dibromofluoromethane
Concen: 40.954 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

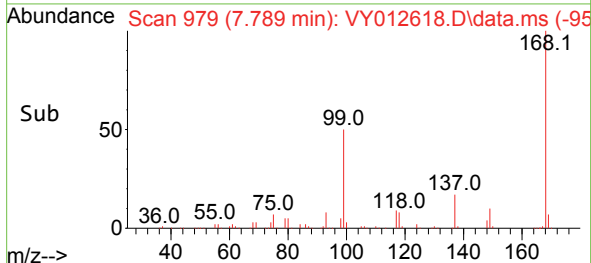
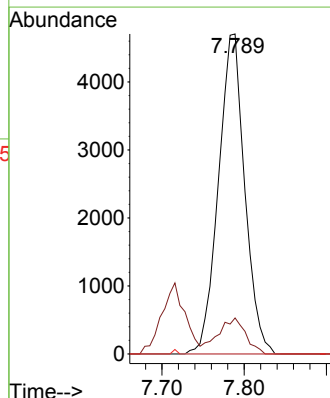
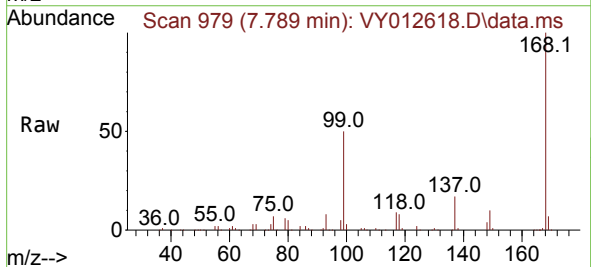
Instrument :
MSVOA_Y
ClientSampleId :

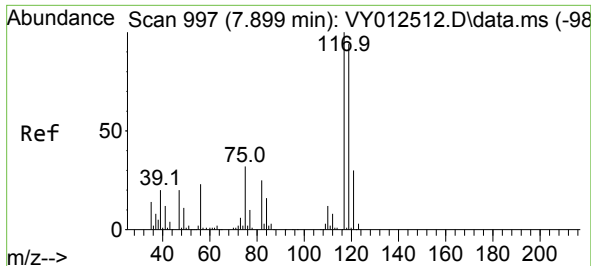
Tgt Ion:113 Resp: 81267
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 22.2 17.5 26.3



#36
1,1-Dichloropropene
Concen: 3.898 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

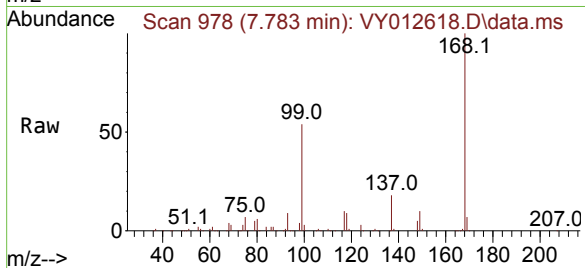
Tgt Ion: 75 Resp: 10468
Ion Ratio Lower Upper
75 100
110 12.0 19.5 58.5#
77 0.0 24.9 37.3#



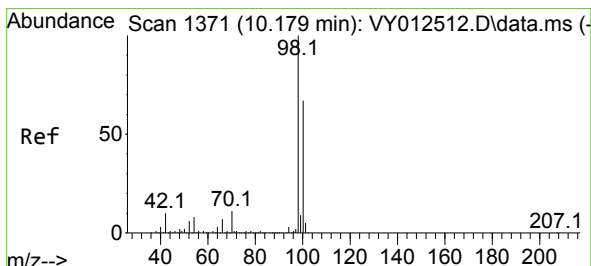
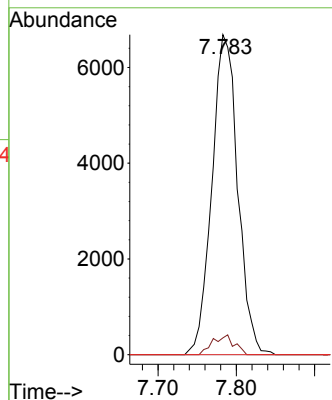
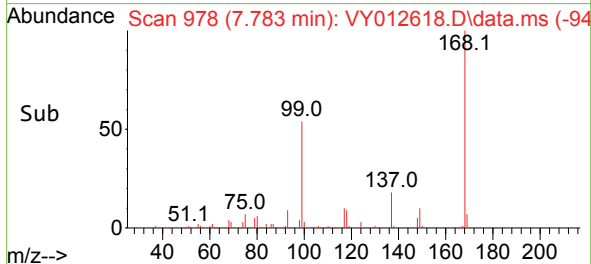


#38
Carbon Tetrachloride
Concen: 4.253 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

Instrument :
MSVOA_Y
ClientSampleId :

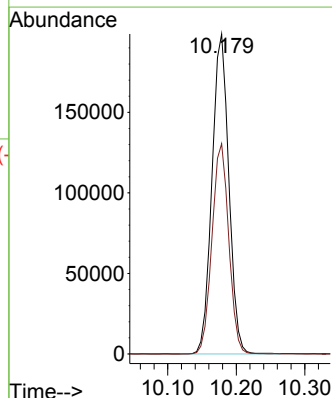
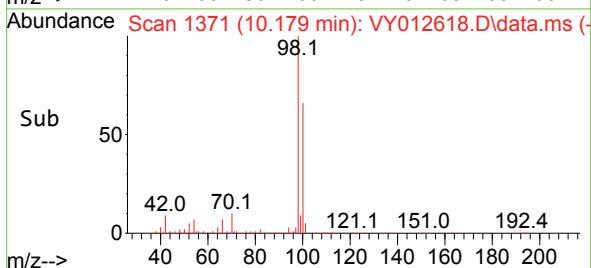
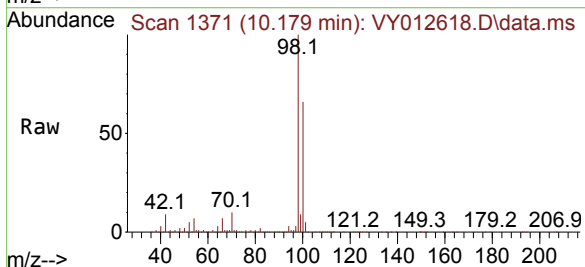


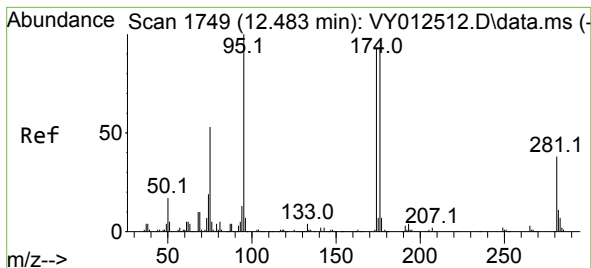
Tgt Ion:117 Resp: 15333
Ion Ratio Lower Upper
117 100
119 5.3 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 41.085 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

Tgt Ion: 98 Resp: 339343
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.2

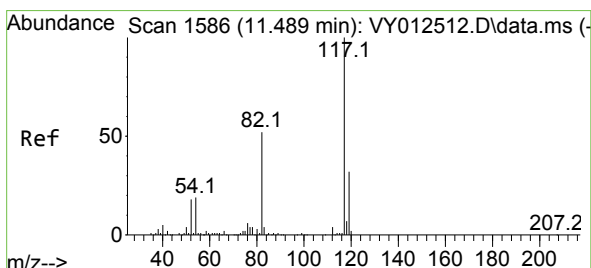
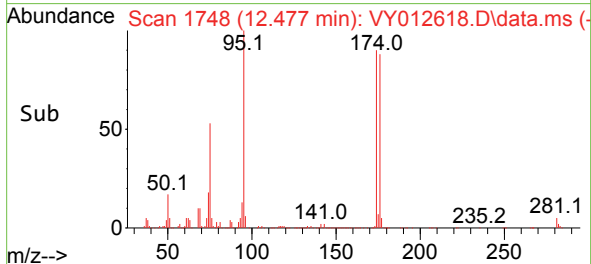
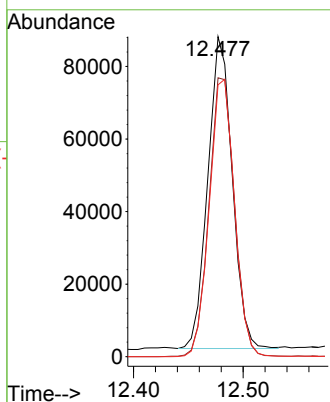
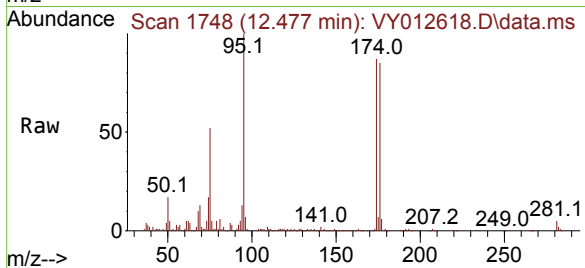




#62
4-Bromofluorobenzene
Concen: 46.130 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

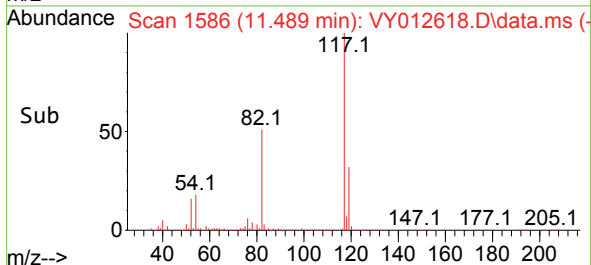
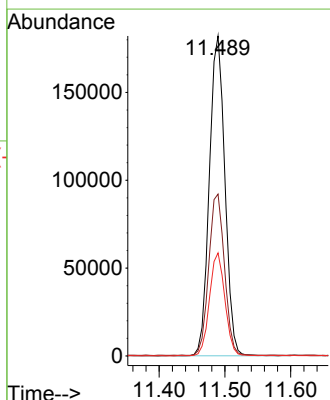
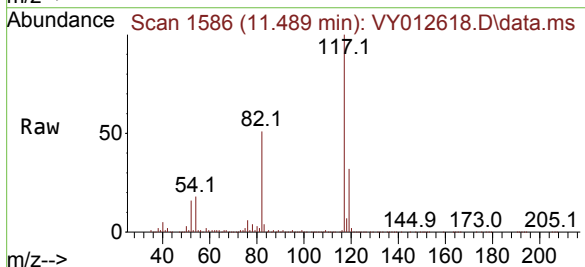
Instrument :
MSVOA_Y
ClientSampleId :

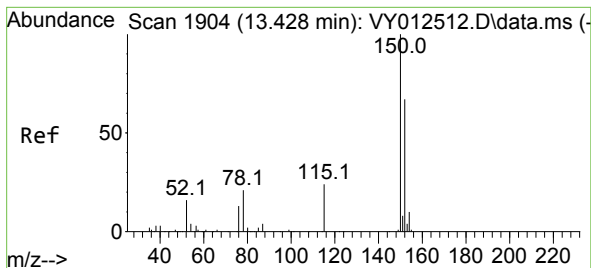
Tgt Ion: 95 Resp: 132898
Ion Ratio Lower Upper
95 100
174 93.6 0.0 188.0
176 92.1 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012618.D
Acq: 15 Feb 2023 16:48

Tgt Ion: 117 Resp: 299747
Ion Ratio Lower Upper
117 100
82 50.4 41.7 62.5
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012618.D

Acq: 15 Feb 2023 16:48

Instrument :

MSVOA_Y

ClientSampleId :

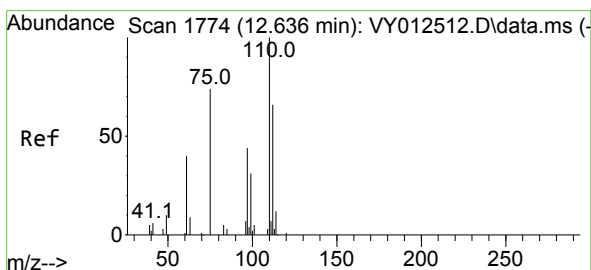
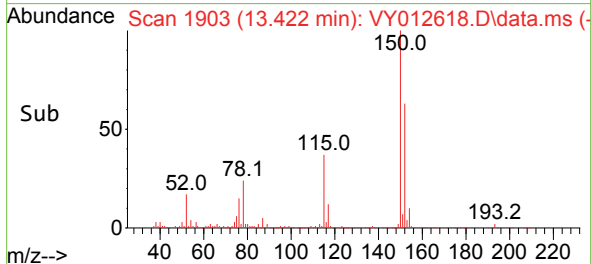
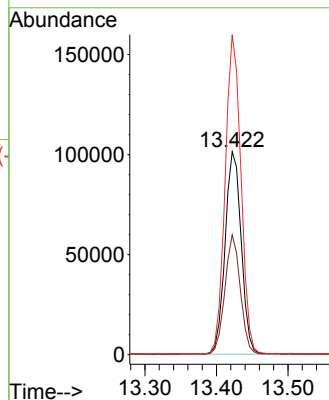
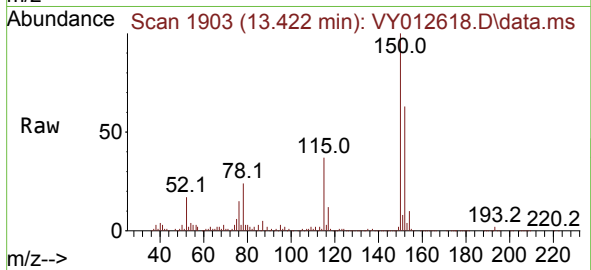
Tgt Ion:152 Resp: 158313

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.3

150 154.7 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 40.041 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012618.D

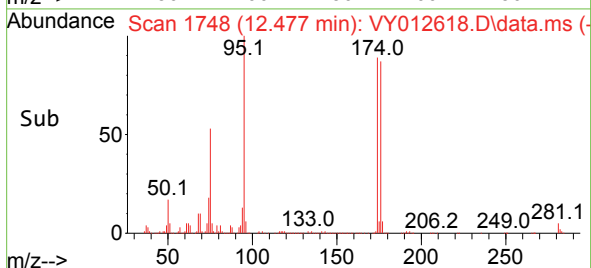
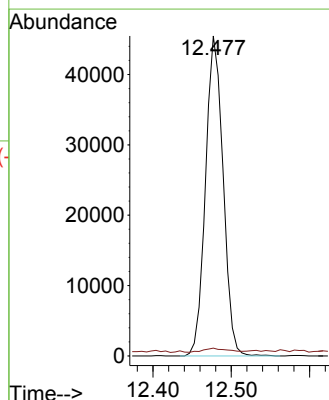
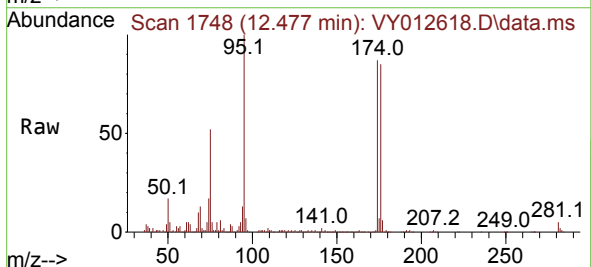
Acq: 15 Feb 2023 16:48

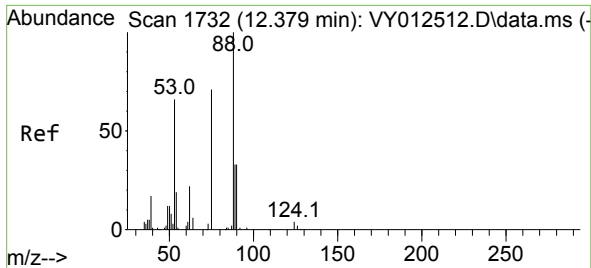
Tgt Ion: 75 Resp: 70821

Ion Ratio Lower Upper

75 100

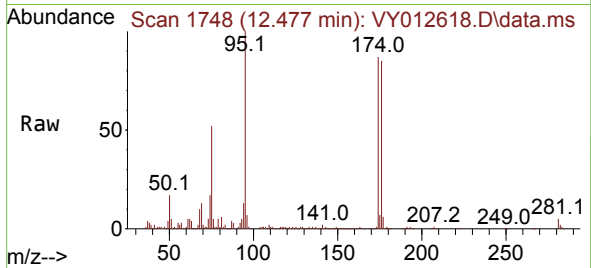
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.294 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012618.D
 Acq: 15 Feb 2023 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.7	73.1	109.7#
89	0.2	39.9	59.9#

