

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014683.D
 Acq On : 17 Jul 2023 19:28
 Operator : SY/MD
 Sample : 03631-09
 Misc : 7.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP

Quant Time: Jul 18 06:13:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	208622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	362791	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	345625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	168156	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	137154	57.692	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.380%
35) Dibromofluoromethane	7.716	113	117253	50.771	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.540%
50) Toluene-d8	10.179	98	434070	50.981	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.960%
62) 4-Bromofluorobenzene	12.477	95	167306	51.246	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.500%

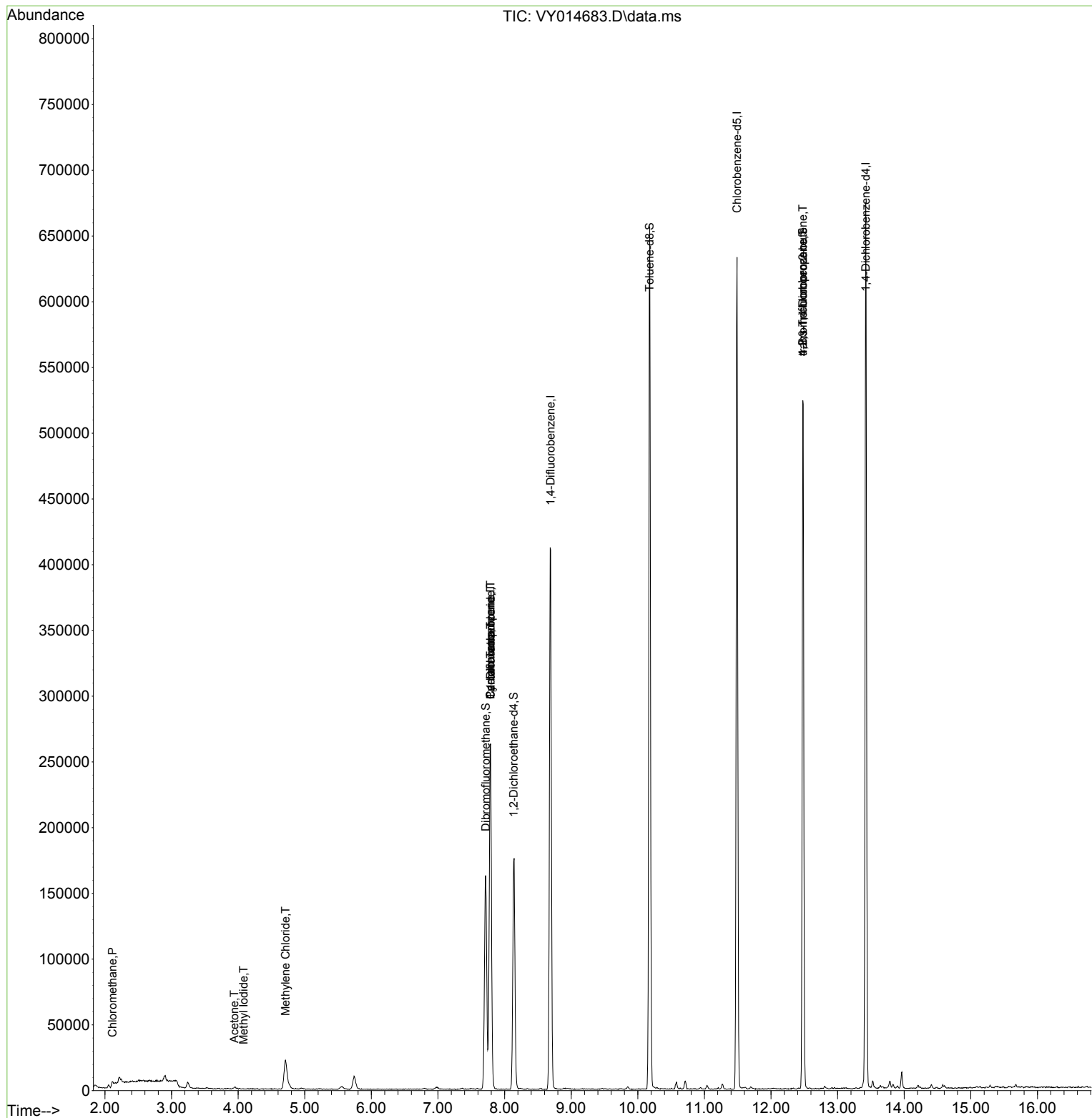
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	1971	1.032	ug/l	100
10) Methyl Iodide	4.082	142	21	2.378	ug/l #	38
11) Tert butyl alcohol	4.948	59	1460	Below Cal		98
16) Acetone	3.942	43	3033	4.026	ug/l	96
20) Methylene Chloride	4.710	84	16430	2.720	ug/l	89
31) Cyclohexane	7.789	56	4555	1.154	ug/l #	22
36) 1,1-Dichloropropene	7.789	75	16231	4.700	ug/l #	51
38) Carbon Tetrachloride	7.789	117	20574	5.635	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	86375	40.671	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86375	78.746	ug/l #	11

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

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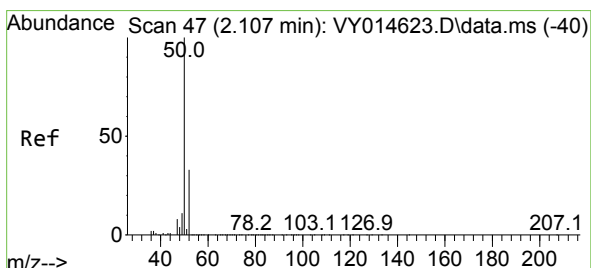
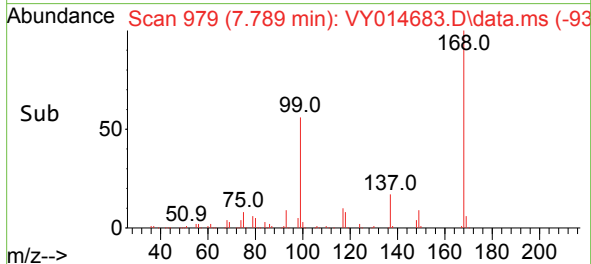
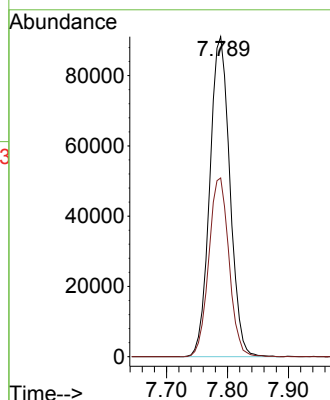
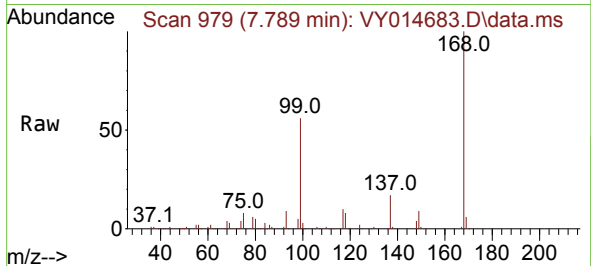




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

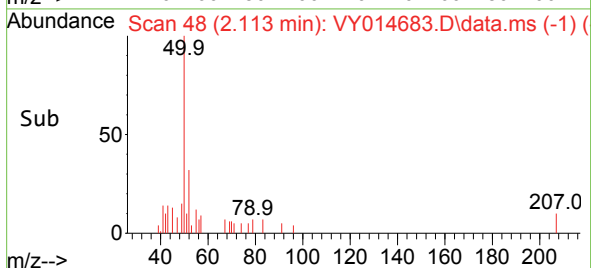
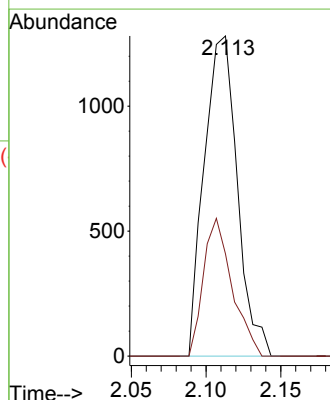
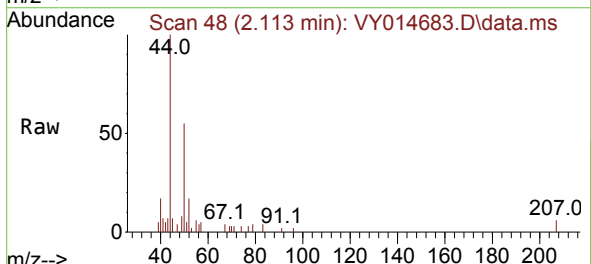
Instrument :
MSVOA_Y
ClientSampleId :
DUP

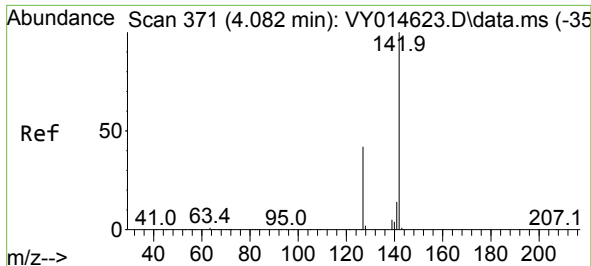
Tgt Ion:168 Resp: 208622
Ion Ratio Lower Upper
168 100
99 55.8 43.4 65.0



#3
Chloromethane
Concen: 1.032 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion: 50 Resp: 1971
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.2

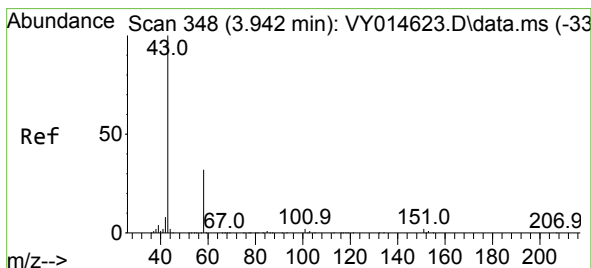
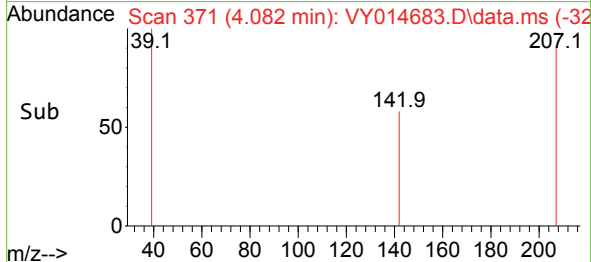
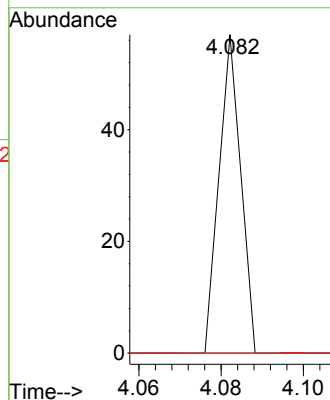
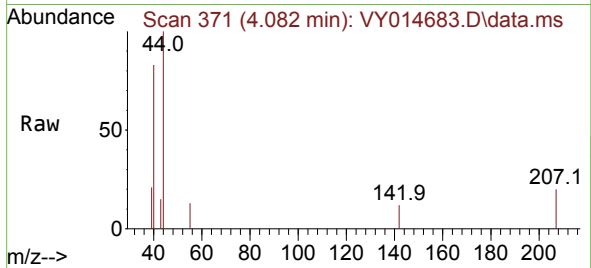




#10
Methyl Iodide
Concen: 2.378 ug/l
RT: 4.082 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

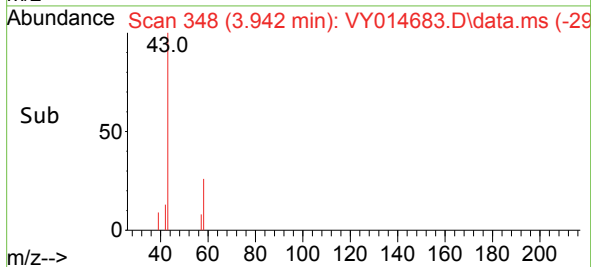
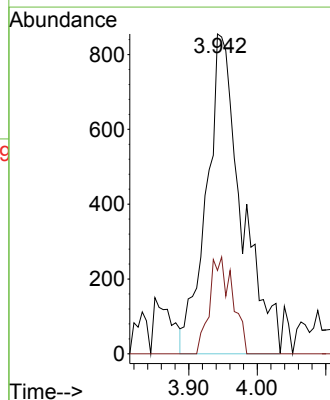
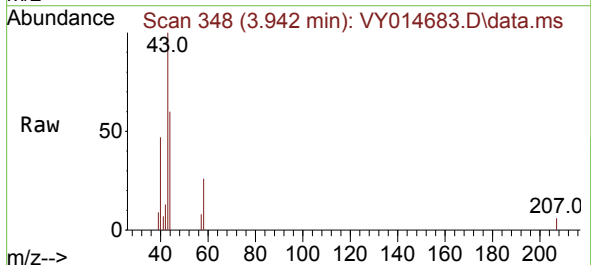
Instrument :
MSVOA_Y
ClientSampleId :
DUP

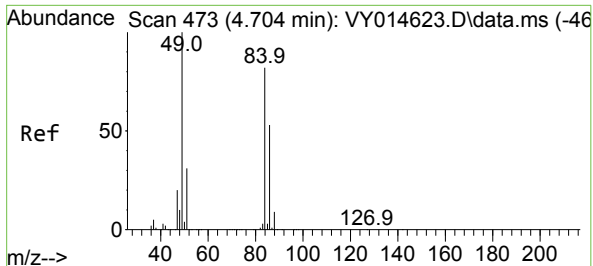
Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 4.026 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion: 43 Resp: 3033
Ion Ratio Lower Upper
43 100
58 26.1 22.7 34.1

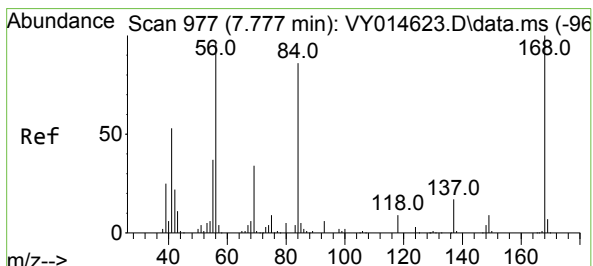
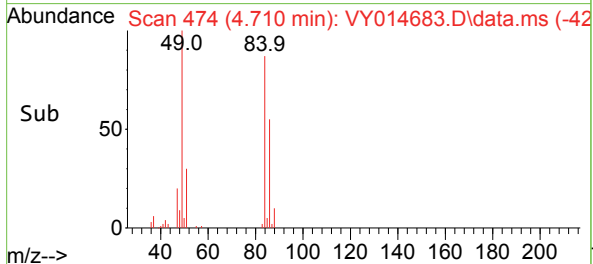
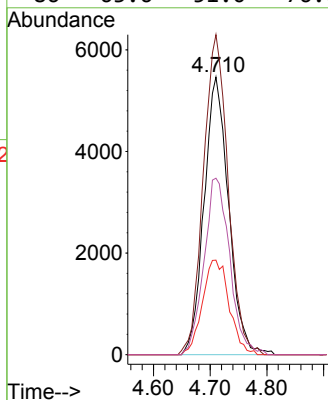
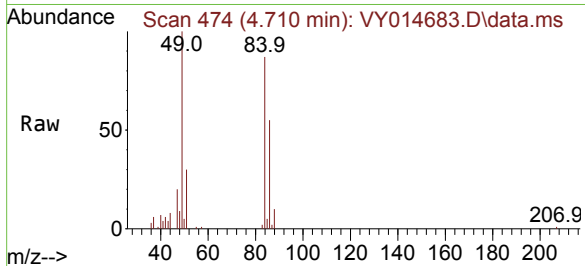




#20
Methylene Chloride
Concen: 2.720 ug/l
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

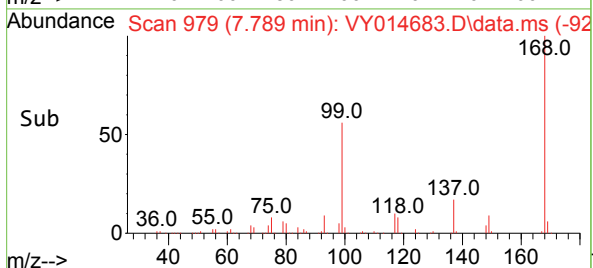
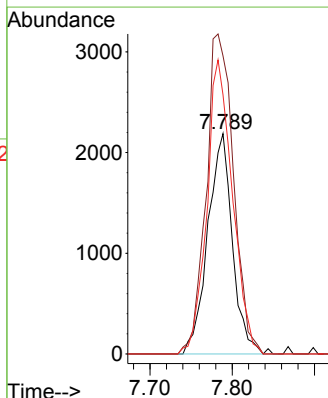
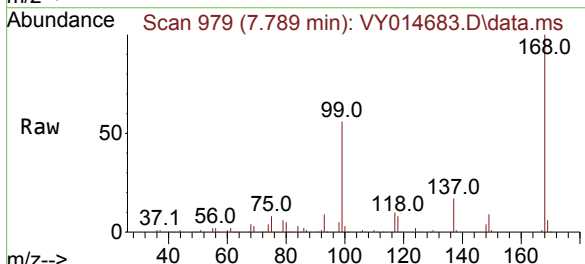
Instrument :
MSVOA_Y
ClientSampleId :
DUP

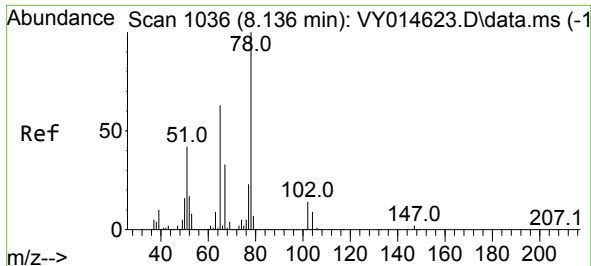
Tgt Ion:	84	Resp:	16430
Ion	Ratio	Lower	Upper
84	100		
49	115.3	106.9	160.3
51	34.1	33.2	49.8
86	63.6	51.0	76.6



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion:	56	Resp:	4555
Ion	Ratio	Lower	Upper
56	100		
69	135.3	27.8	41.6#
84	117.6	66.4	99.6#

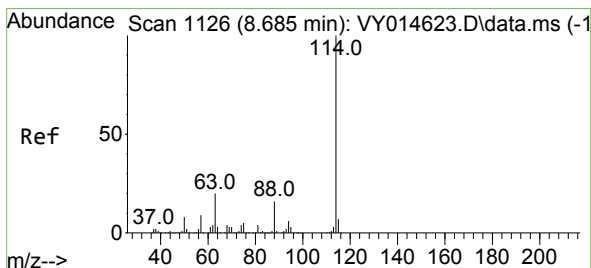
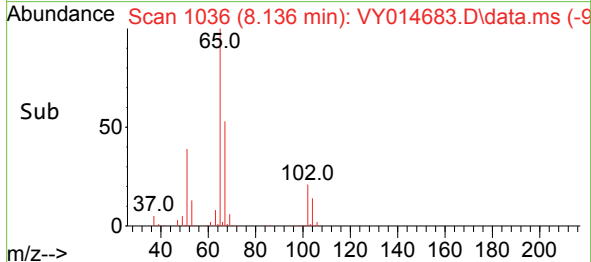
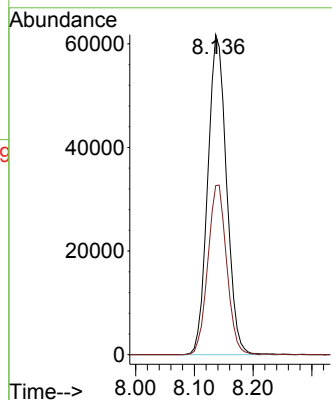
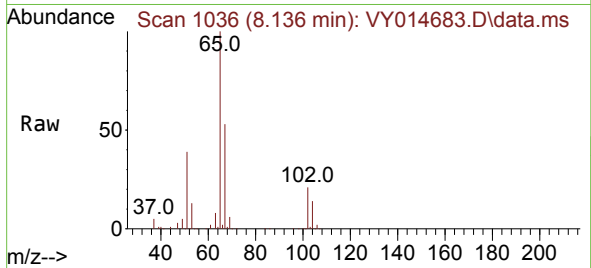




#33
 1,2-Dichloroethane-d4
 Concen: 57.692 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014683.D
 Acq: 17 Jul 2023 19:28

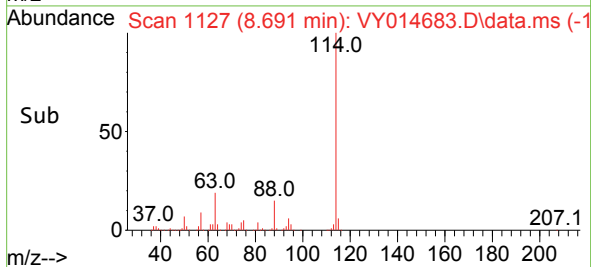
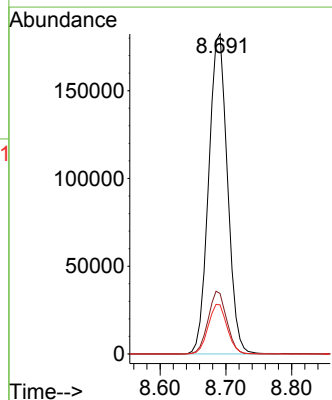
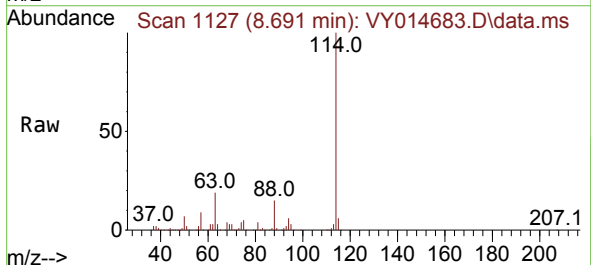
Instrument :
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 ClientSampleId :
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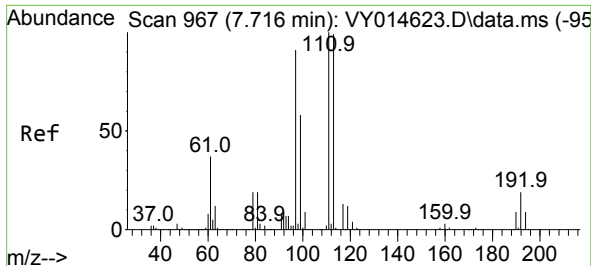
Tgt Ion: 65 Resp: 137154
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VY014683.D
 Acq: 17 Jul 2023 19:28

Tgt Ion:114 Resp: 362791
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 42.4
 88 15.4 0.0 30.6

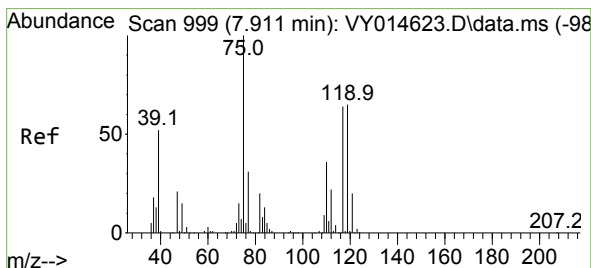
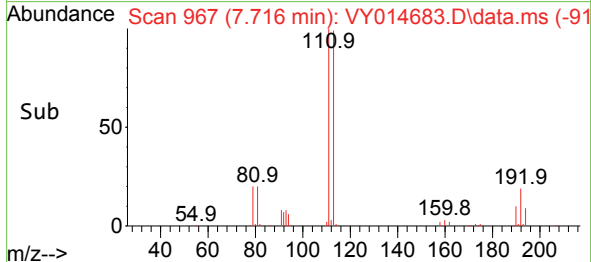
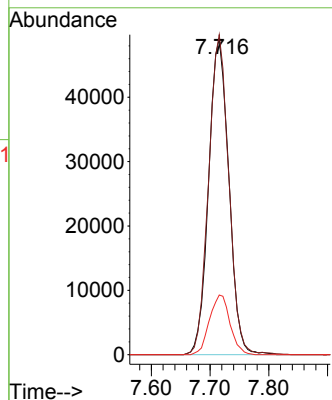
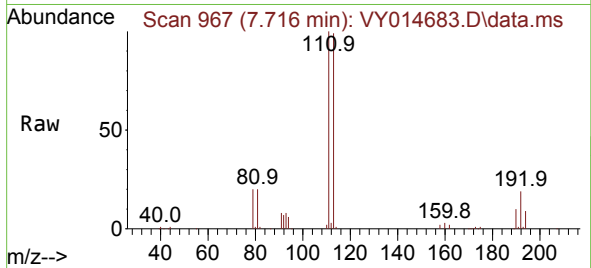




#35
Dibromofluoromethane
Concen: 50.771 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

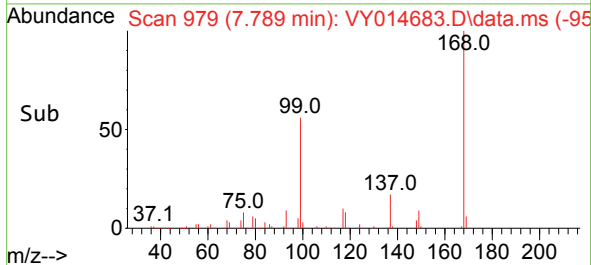
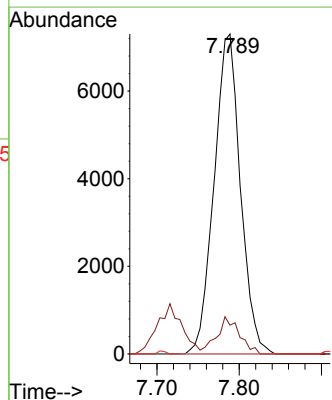
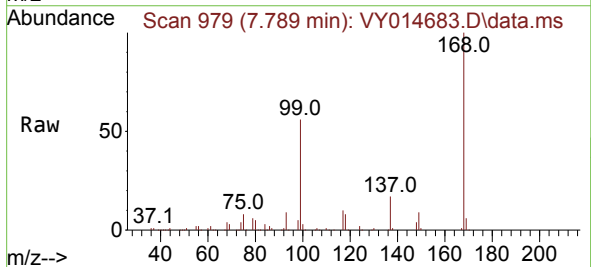
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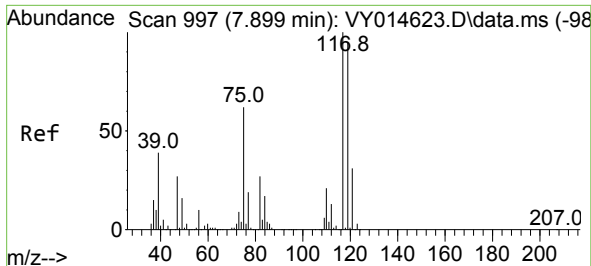
Tgt Ion:113 Resp: 117253
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.700 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion: 75 Resp: 16231
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#

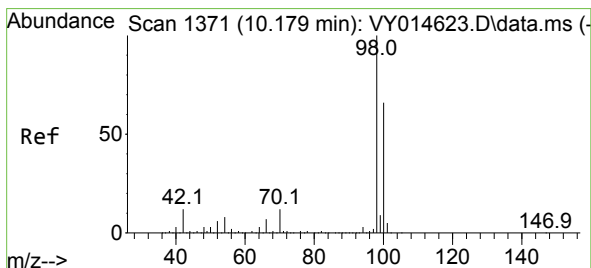
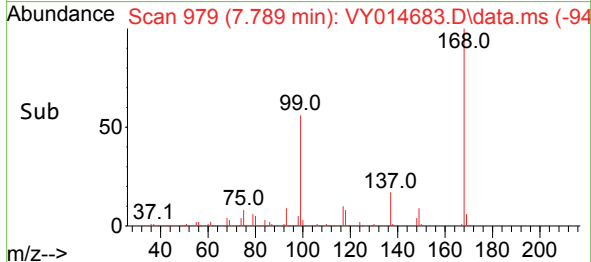
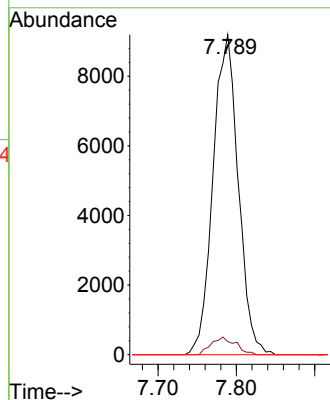
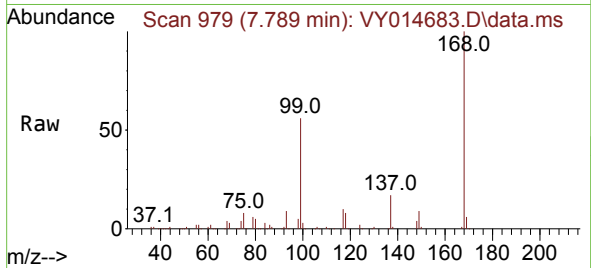




#38
Carbon Tetrachloride
Concen: 5.635 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

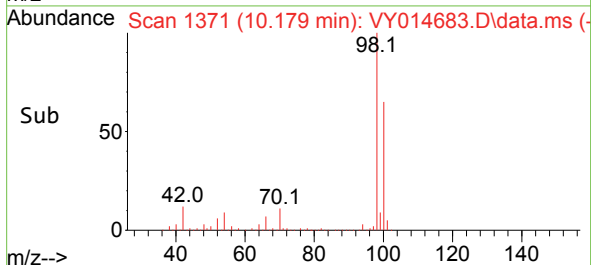
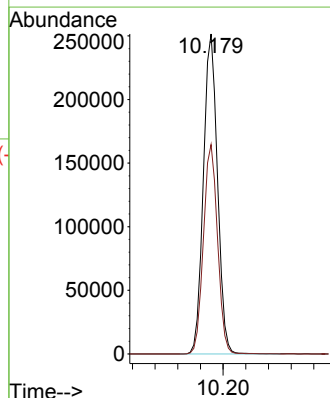
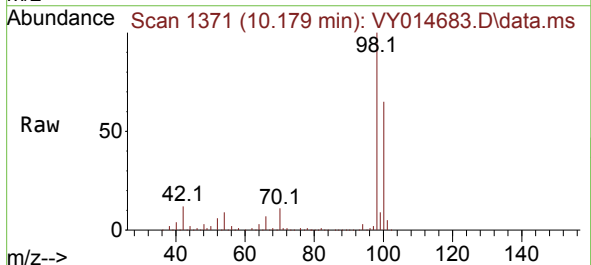
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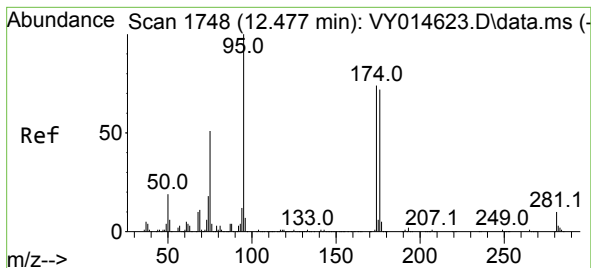
Tgt Ion:117 Resp: 20574
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.981 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion: 98 Resp: 434070
Ion Ratio Lower Upper
98 100
100 65.4 50.1 75.1

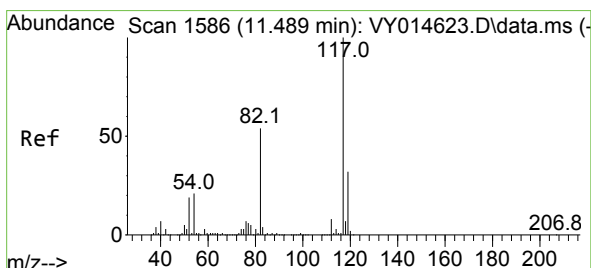
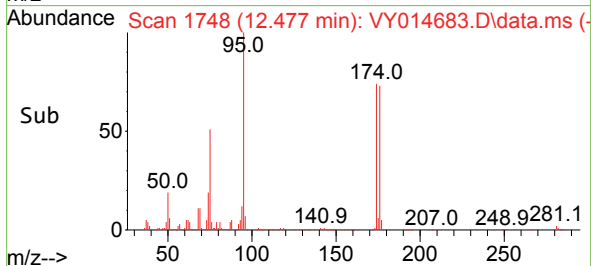
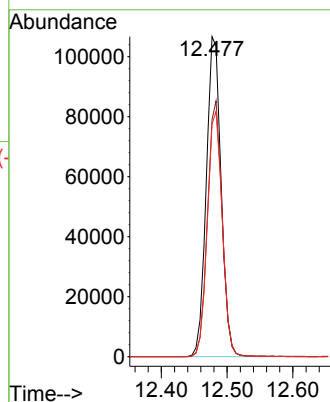
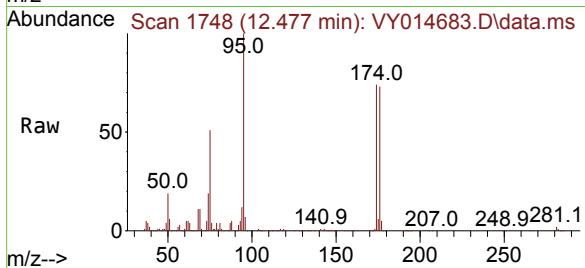




#62
4-Bromofluorobenzene
Concen: 51.246 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

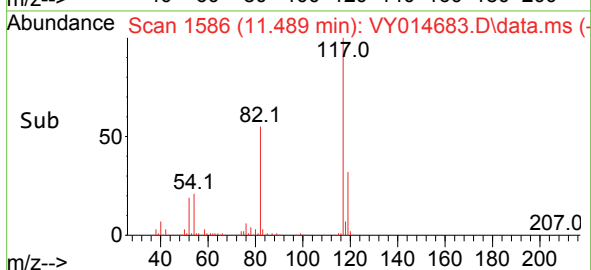
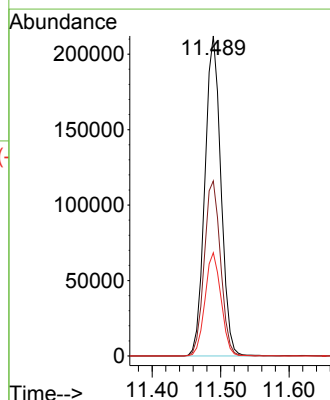
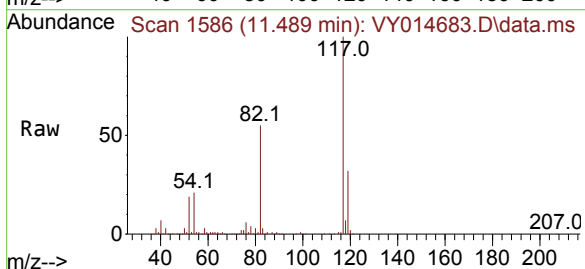
Instrument :
MSVOA_Y
ClientSampleId :
DUP

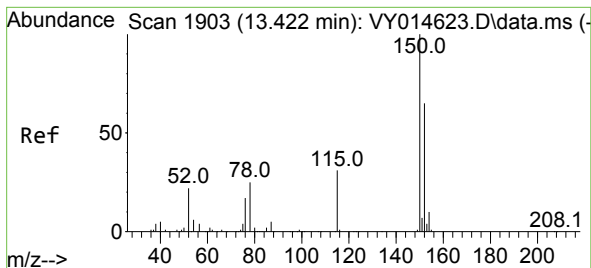
Tgt Ion: 95 Resp: 167306
Ion Ratio Lower Upper
95 100
174 78.8 0.0 178.2
176 76.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014683.D
Acq: 17 Jul 2023 19:28

Tgt Ion: 117 Resp: 345625
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.3 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: VY014683.D

Acq: 17 Jul 2023 19:28

Instrument :

MSVOA_Y

ClientSampleId :

DUP

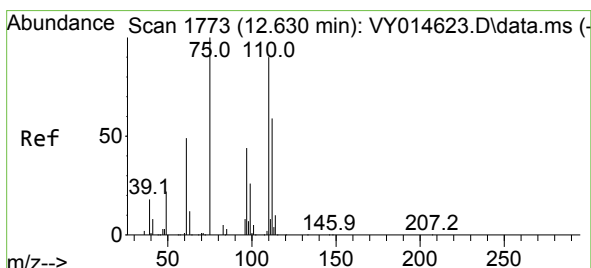
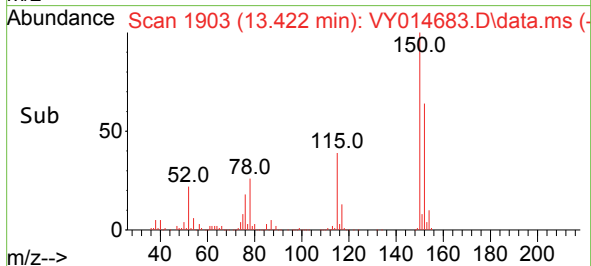
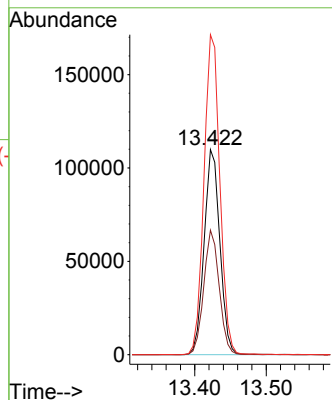
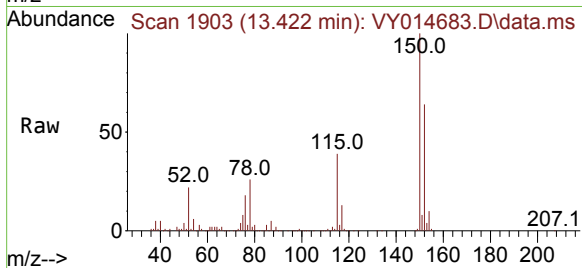
Tgt Ion:152 Resp: 168156

Ion Ratio Lower Upper

152 100

115 59.5 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.671 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014683.D

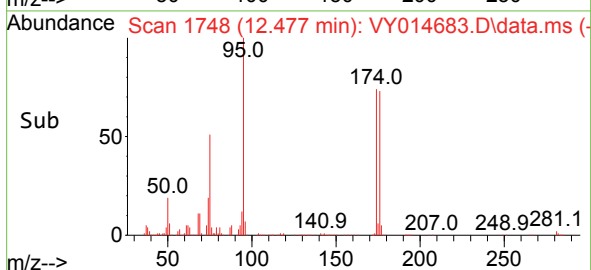
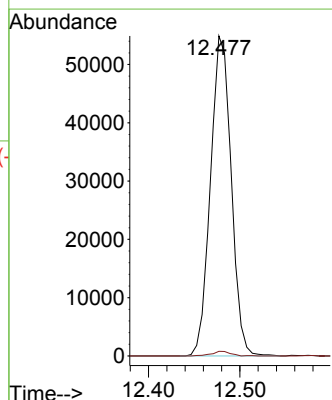
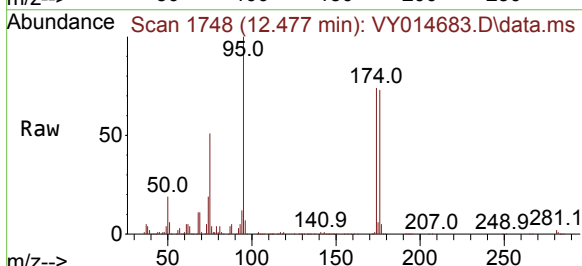
Acq: 17 Jul 2023 19:28

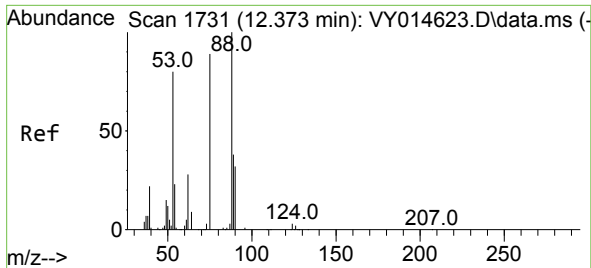
Tgt Ion: 75 Resp: 86375

Ion Ratio Lower Upper

75 100

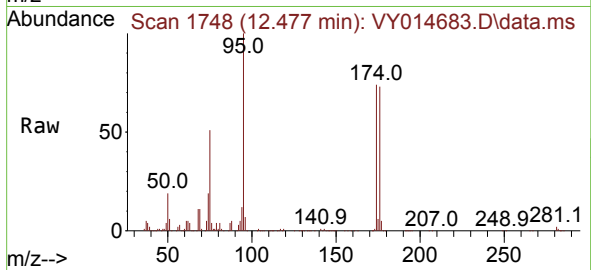
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.746 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014683.D
 Acq: 17 Jul 2023 19:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 DUP



Tgt Ion: 75 Resp: 86375
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

