

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014116.D
 Acq On : 12 Jun 2023 13:35
 Operator : KP/MD
 Sample : 03025-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Quant Time: Jun 13 05:41:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	21010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	32071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11952	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13801	47.172	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.340%
35) Dibromofluoromethane	7.716	113	11544	50.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.520%
50) Toluene-d8	10.179	98	37735	44.378	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.760%
62) 4-Bromofluorobenzene	12.477	95	10470	34.663	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	69.320%

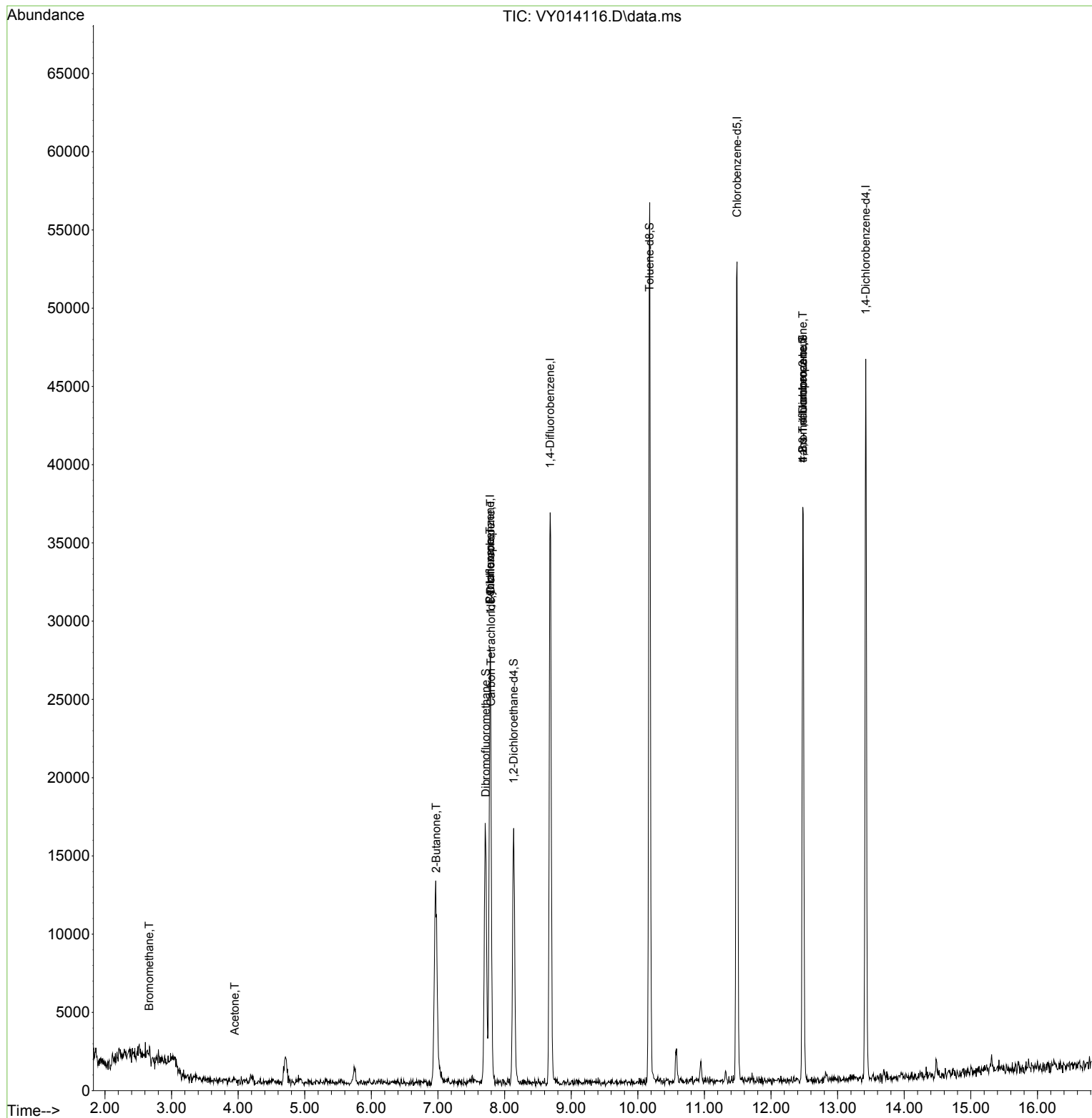
Target Compounds			Qvalue			
5) Bromomethane	2.662	94	292	1.226	ug/l #	67
11) Tert butyl alcohol	4.942	59	209	Below Cal	#	89
16) Acetone	3.948	43	482	5.466	ug/l #	46
25) 2-Butanone	6.972	43	612	5.638	ug/l #	49
31) Cyclohexane	7.783	56	610	1.556	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	1763	4.972	ug/l #	42
38) Carbon Tetrachloride	7.795	117	2090	5.108	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	5586	35.623	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5586	77.004	ug/l #	10

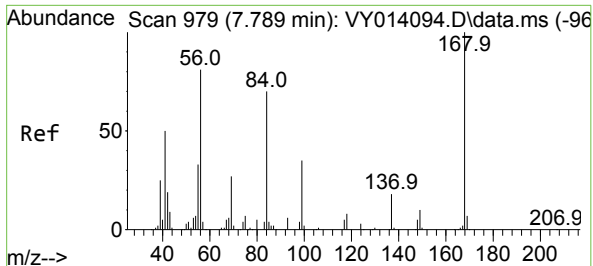
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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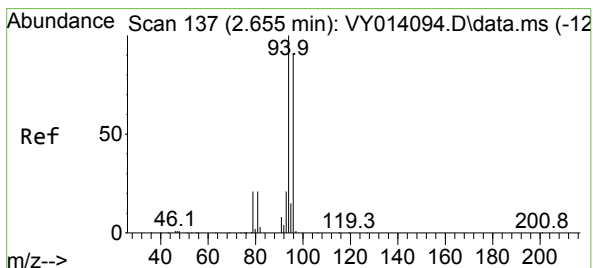
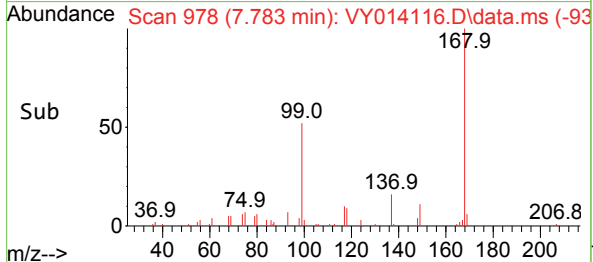
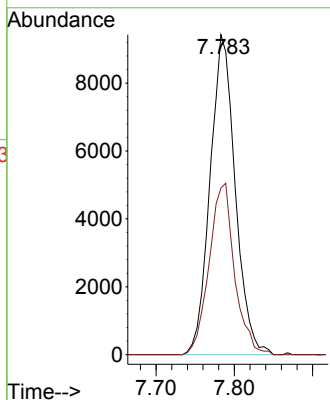
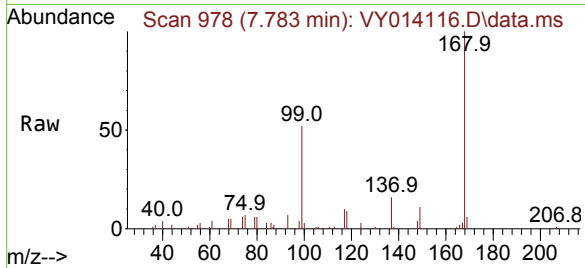




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

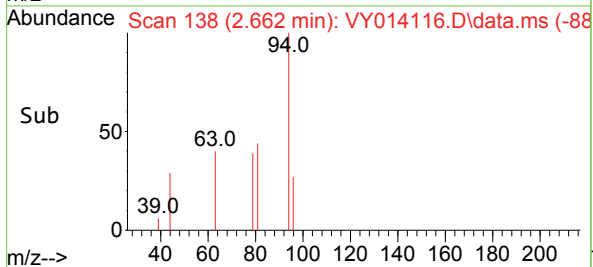
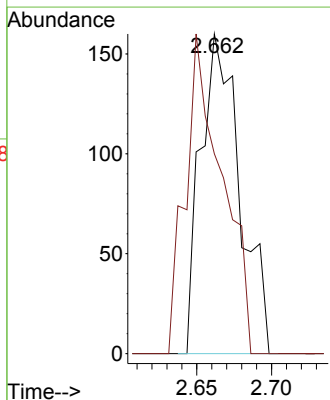
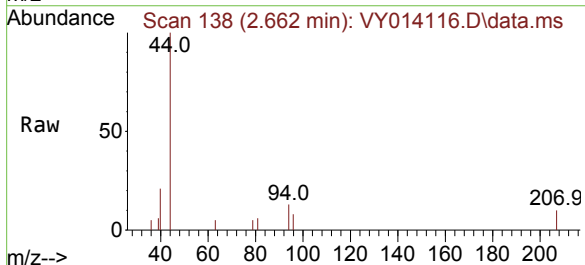
Instrument :
MSVOA_Y
ClientSampleId :
VOC

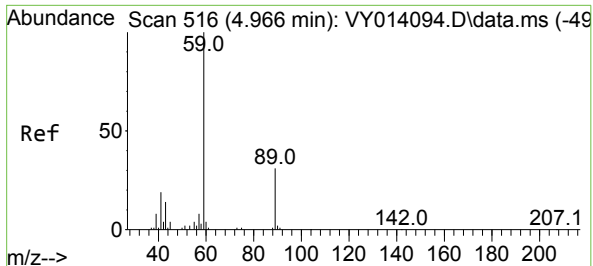
Tgt Ion:168 Resp: 21010
Ion Ratio Lower Upper
168 100
99 52.0 43.4 65.0



#5
Bromomethane
Concen: 1.226 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.007 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 94 Resp: 292
Ion Ratio Lower Upper
94 100
96 62.5 75.8 113.6#

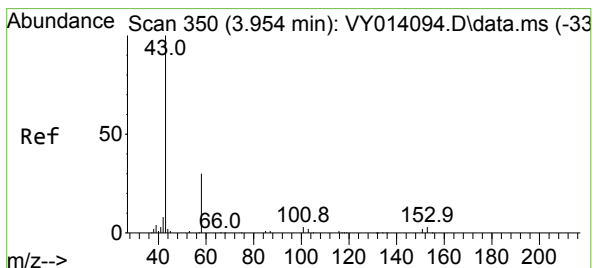
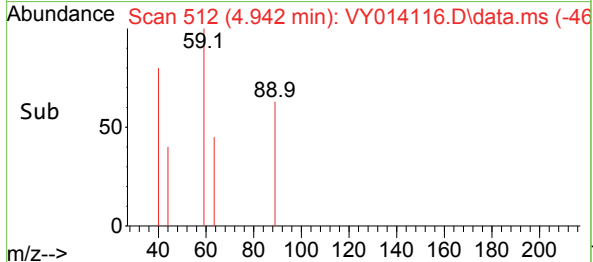
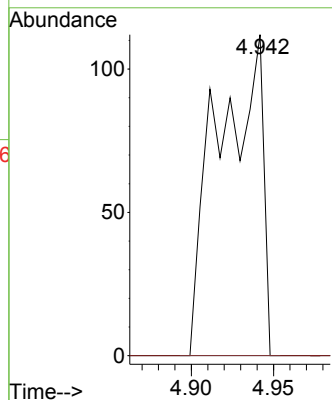
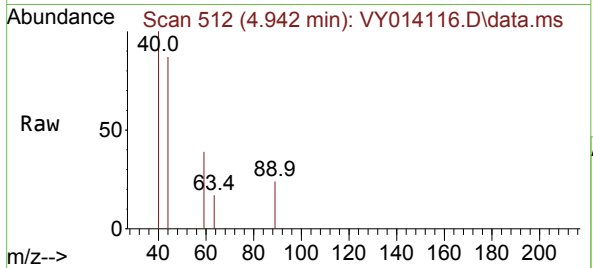




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 516
Delta R.T. -0.024 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

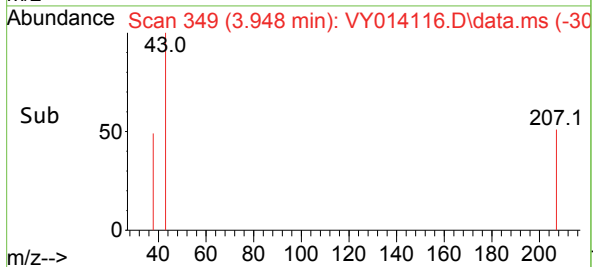
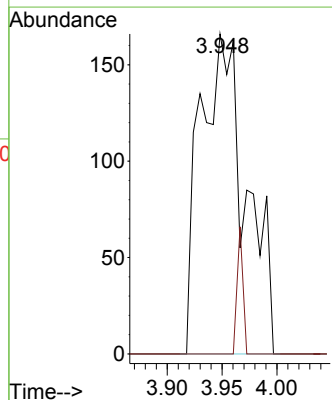
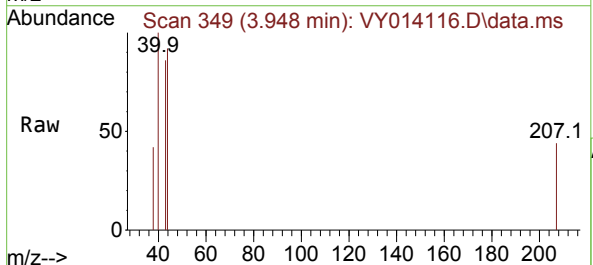
Instrument :
MSVOA_Y
ClientSampleId :
VOC

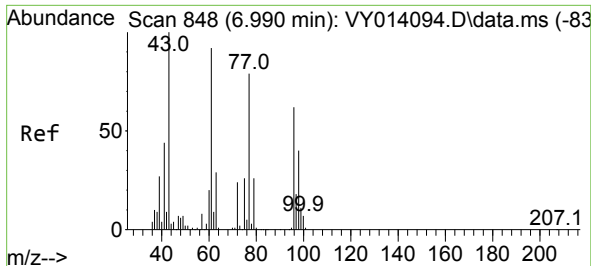
Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 5.466 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 43 Resp: 482
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#

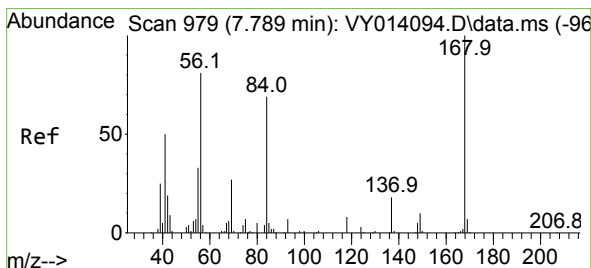
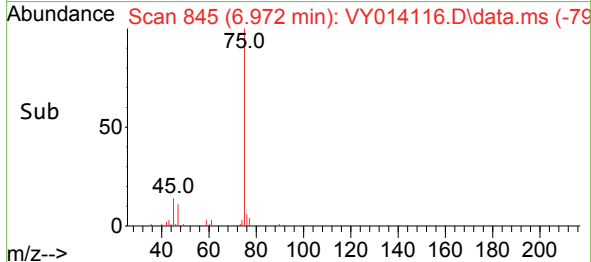
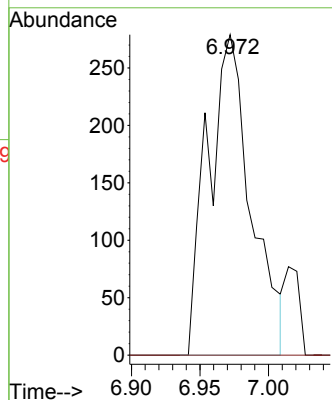
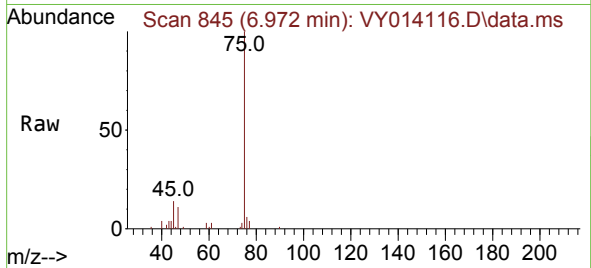




#25
2-Butanone
Concen: 5.638 ug/l
RT: 6.972 min Scan# 848
Delta R.T. -0.018 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

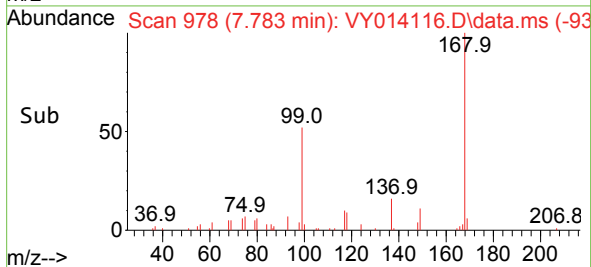
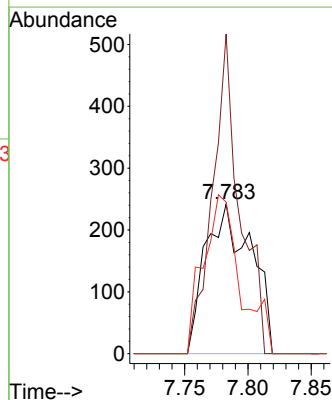
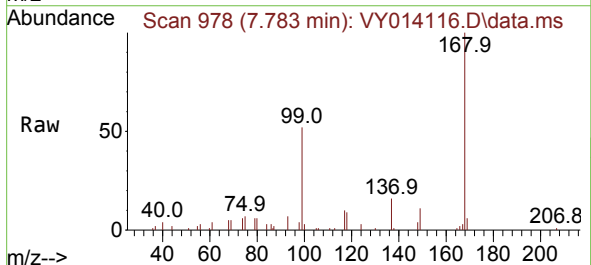
Instrument :
MSVOA_Y
ClientSampleId :
VOC

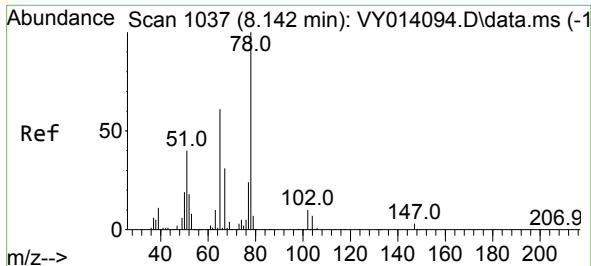
Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#31
Cyclohexane
Concen: 1.556 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 56 Resp: 610
Ion Ratio Lower Upper
56 100
69 213.6 27.8 41.6#
84 101.2 66.4 99.6#



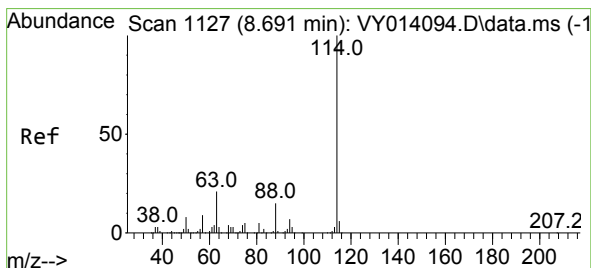
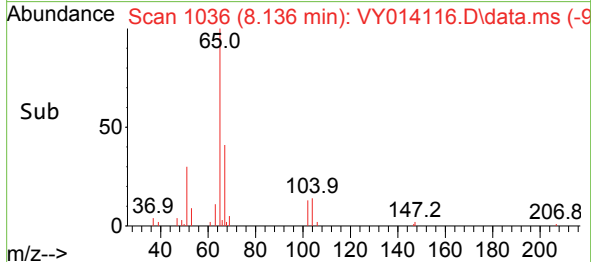
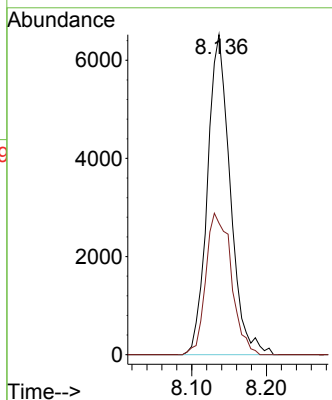
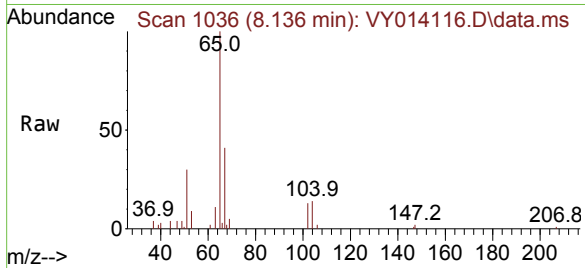


#33
 1,2-Dichloroethane-d4
 Concen: 47.172 ug/l
 RT: 8.136 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VY014116.D
 Acq: 12 Jun 2023 13:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion: 65 Resp: 13801

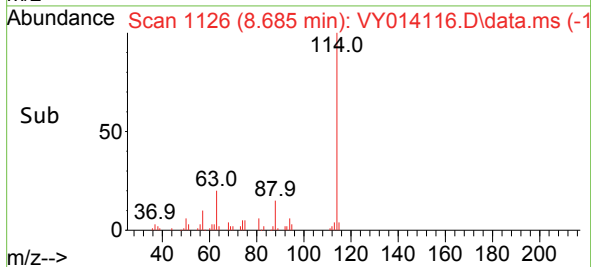
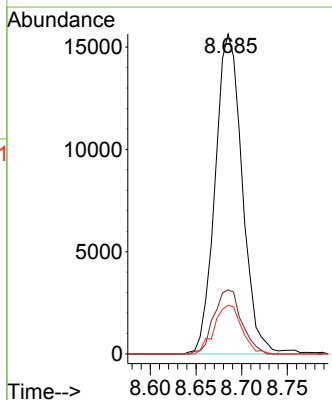
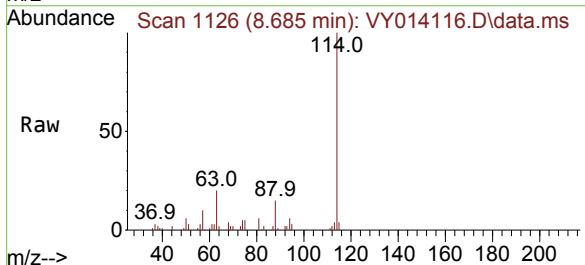
Ion	Ratio	Lower	Upper
65	100		
67	49.5	0.0	101.8

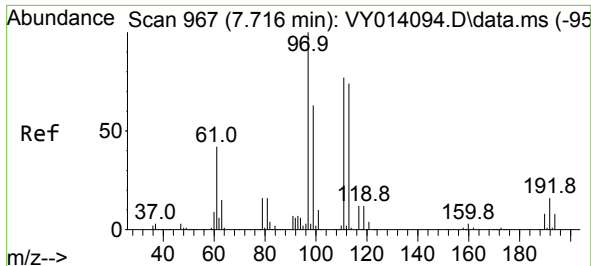


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014116.D
 Acq: 12 Jun 2023 13:35

Tgt Ion: 114 Resp: 32071

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	42.4
88	15.3	0.0	30.6

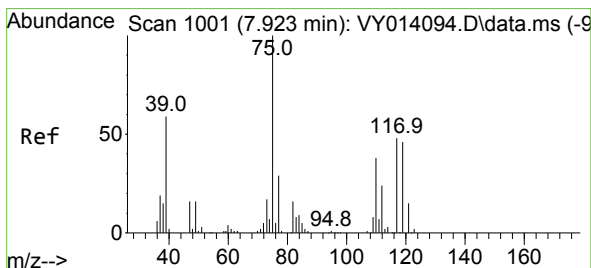
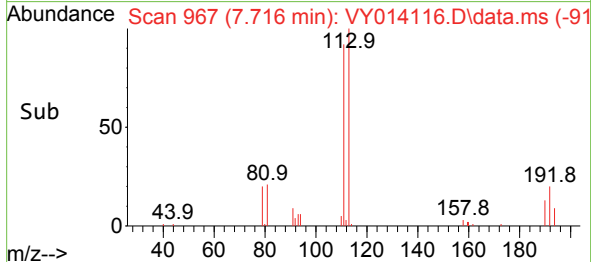
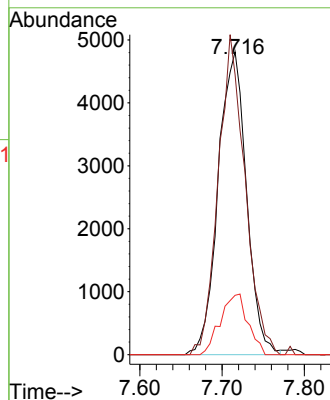
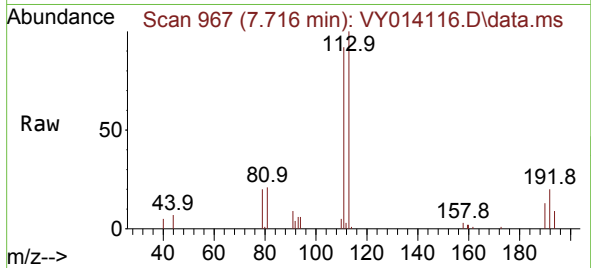




#35
Dibromofluoromethane
Concen: 50.756 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

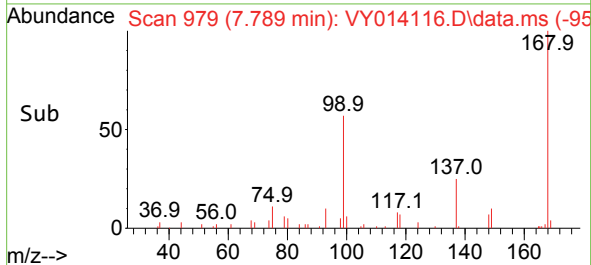
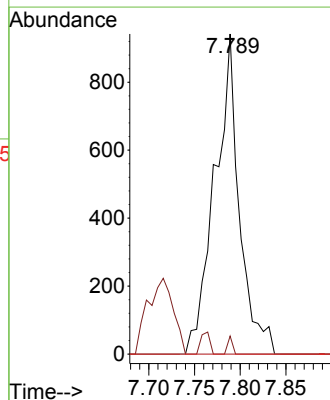
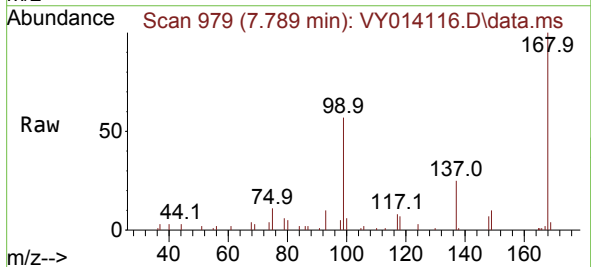
Instrument :
MSVOA_Y
ClientSampleId :
VOC

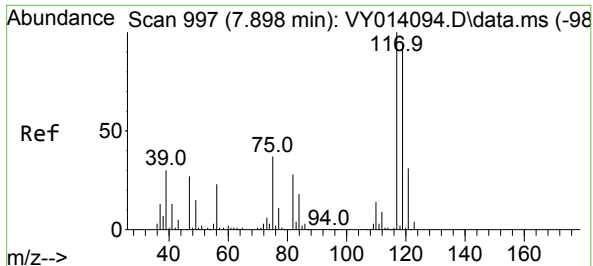
Tgt Ion:113 Resp: 11544
Ion Ratio Lower Upper
113 100
111 99.8 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.972 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 75 Resp: 1763
Ion Ratio Lower Upper
75 100
110 1.1 17.8 53.5#
77 0.0 24.4 36.6#

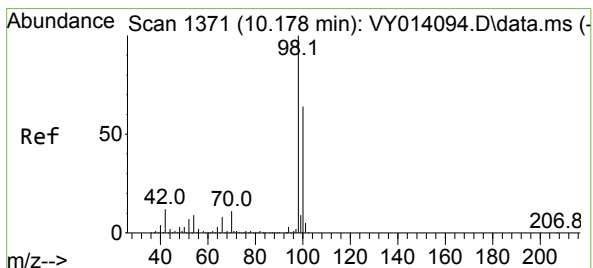
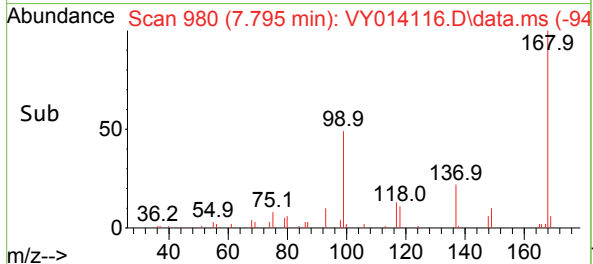
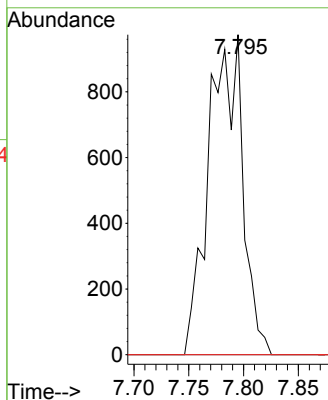
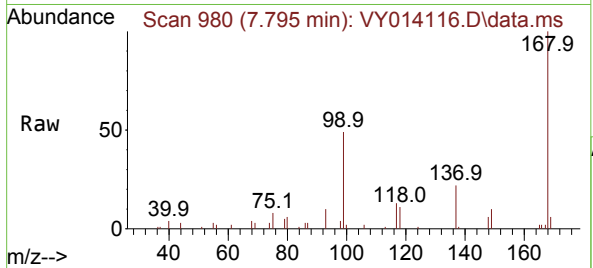




#38
Carbon Tetrachloride
Concen: 5.108 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

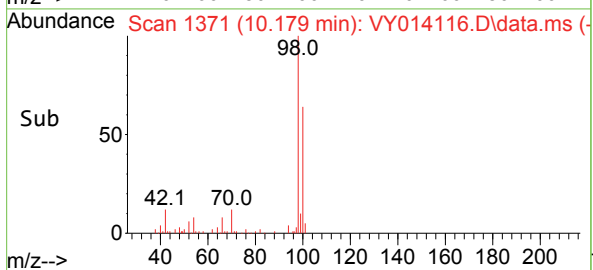
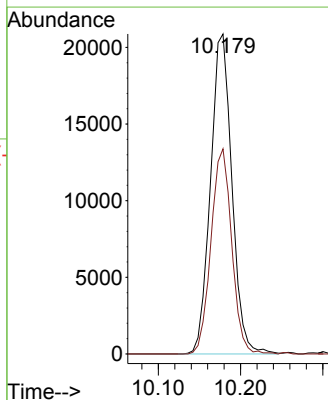
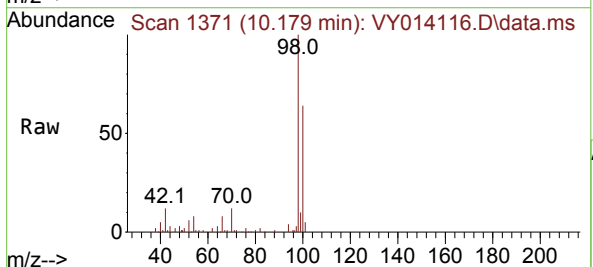
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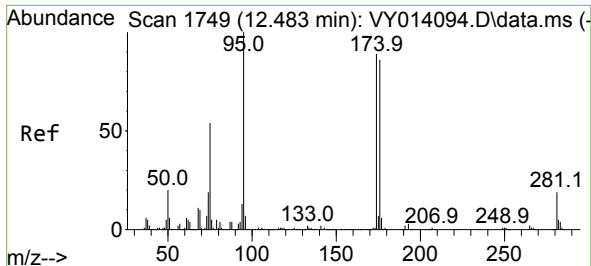
Tgt Ion:117 Resp: 2090
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 44.378 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 98 Resp: 37735
Ion Ratio Lower Upper
98 100
100 62.0 50.1 75.1

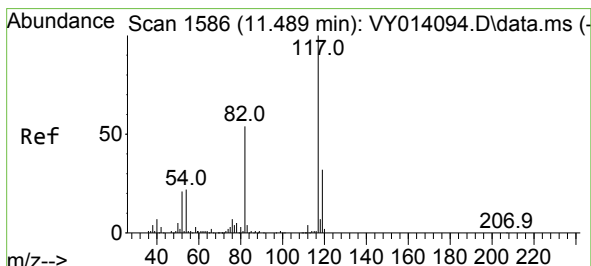
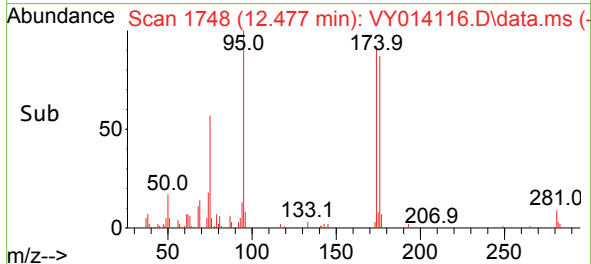
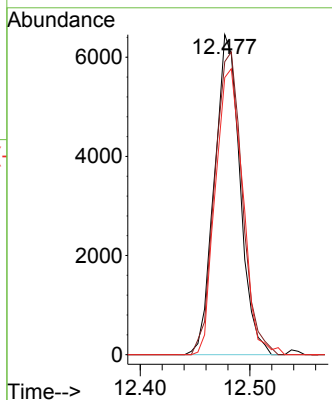
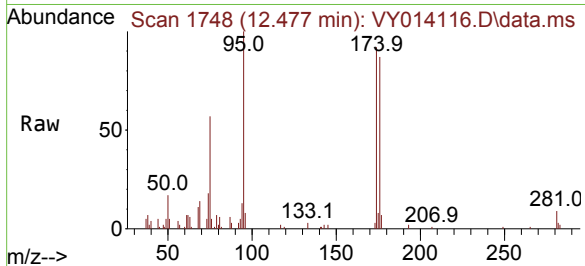




#62
4-Bromofluorobenzene
Concen: 34.663 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

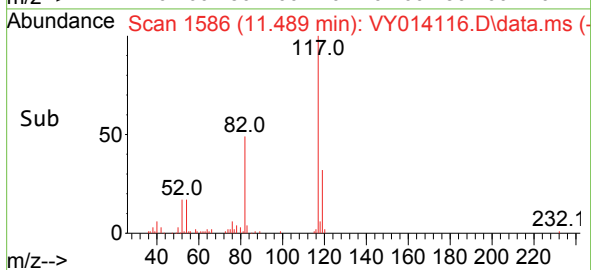
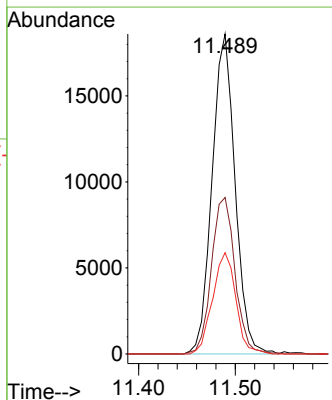
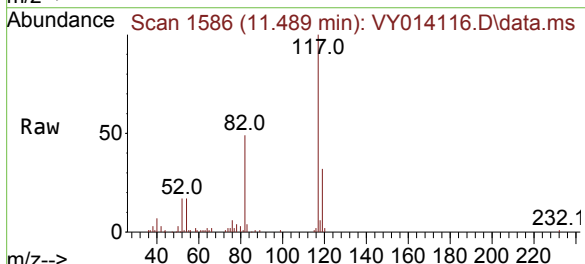
Instrument :
MSVOA_Y
ClientSampleId :
VOC

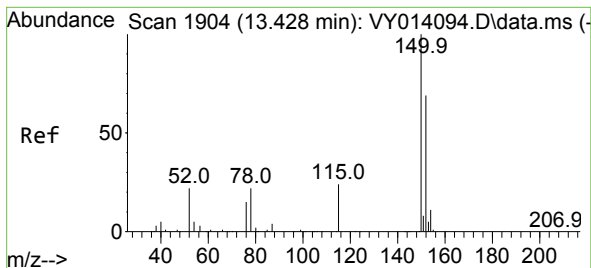
Tgt Ion: 95 Resp: 10470
Ion Ratio Lower Upper
95 100
174 101.8 0.0 178.2
176 95.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014116.D
Acq: 12 Jun 2023 13:35

Tgt Ion: 117 Resp: 30691
Ion Ratio Lower Upper
117 100
82 48.9 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# 1904

Delta R.T. -0.006 min

Lab File: VY014116.D

Acq: 12 Jun 2023 13:35

Instrument :

MSVOA_Y

ClientSampleId :

VOC

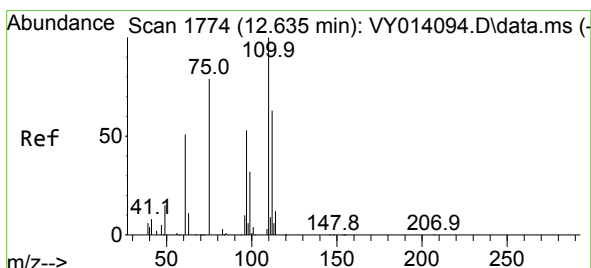
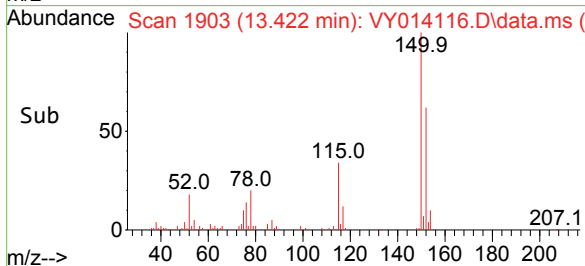
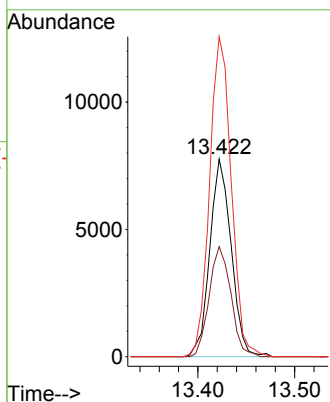
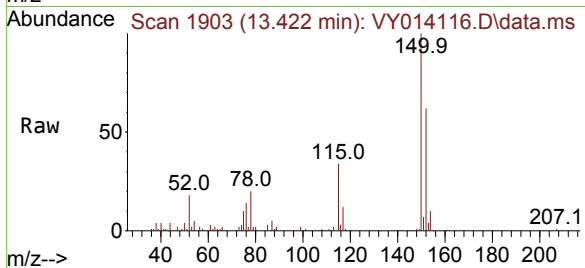
Tgt Ion:152 Resp: 11952

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 164.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.623 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014116.D

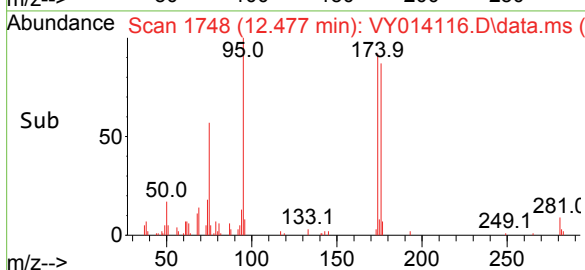
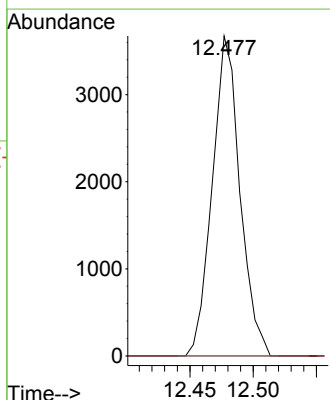
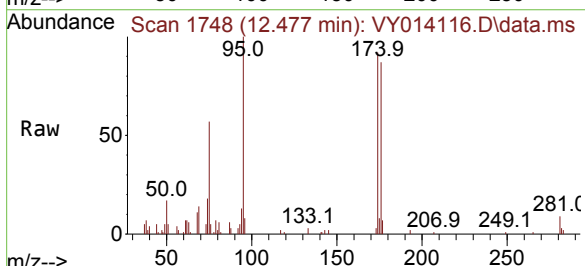
Acq: 12 Jun 2023 13:35

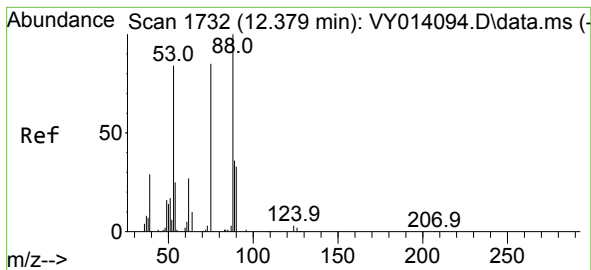
Tgt Ion: 75 Resp: 5586

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.004 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY014116.D
 Acq: 12 Jun 2023 13:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 VOC

Tgt Ion: 75 Resp: 5586
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

