

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014645.D
 Acq On : 14 Jul 2023 14:16
 Operator : SY/MD
 Sample : 03615-04
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Jul 14 23:10:03 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)

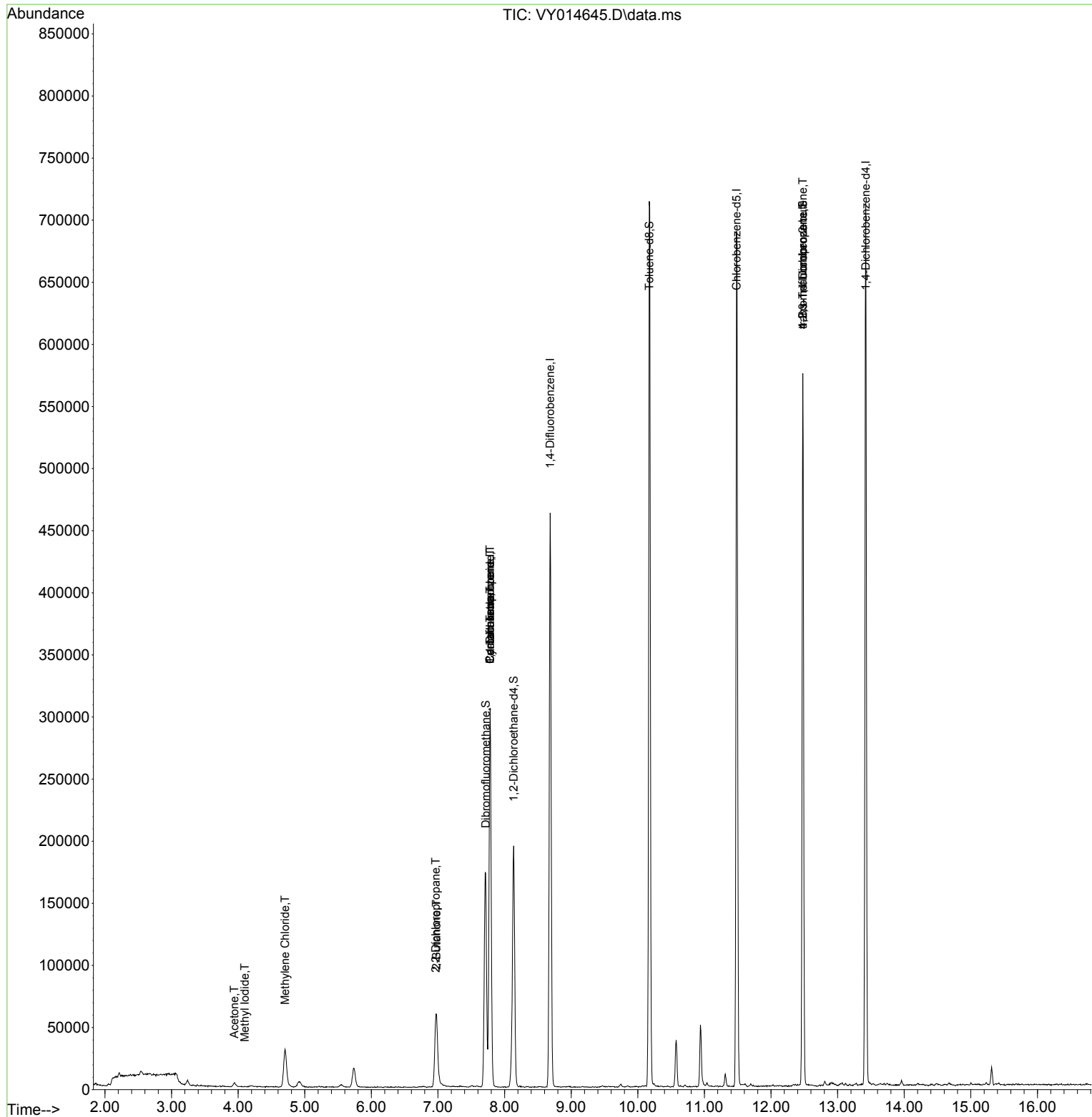
Internal Standards						
1) Pentafluorobenzene	7.783	168	233031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	400193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	373325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	180150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	142464	53.649	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.300%	
35) Dibromofluoromethane	7.716	113	124839	49.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.000%	
50) Toluene-d8	10.173	98	473435	50.407	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.477	95	182377	50.642	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.280%	
Target Compounds						Qvalue
10) Methyl Iodide	4.100	142	255	2.463	ug/l #	38
11) Tert butyl alcohol	4.911	59	2301	Below Cal	#	94
16) Acetone	3.942	43	5109	6.071	ug/l	96
20) Methylene Chloride	4.704	84	23272	4.686	ug/l	95
25) 2-Butanone	6.978	43	3676	2.986	ug/l #	80
26) 2,2-Dichloropropane	6.966	77	4593	1.017	ug/l #	54
31) Cyclohexane	7.783	56	5173	1.174	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18034	4.734	ug/l #	50
38) Carbon Tetrachloride	7.783	117	23415	5.814	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	92128	40.491	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	92128	78.399	ug/l #	11

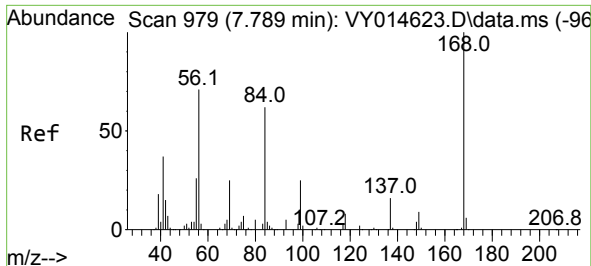
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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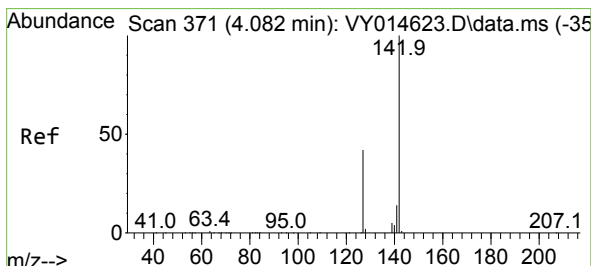
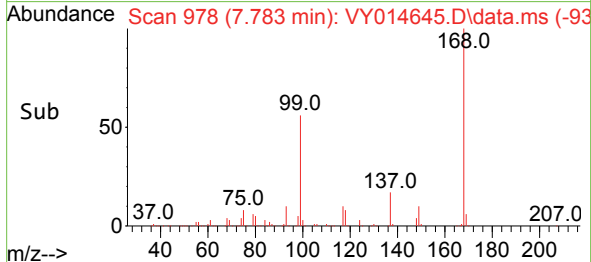
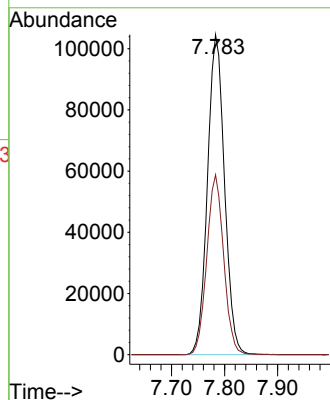
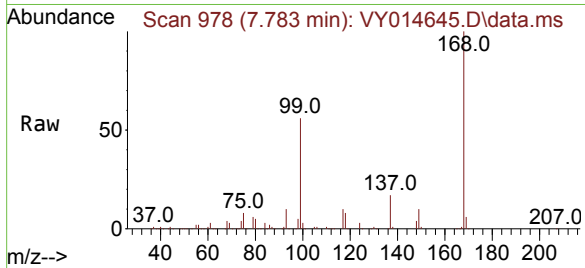




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

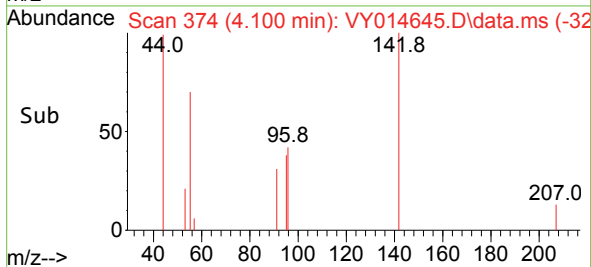
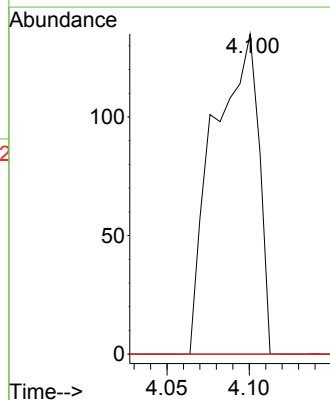
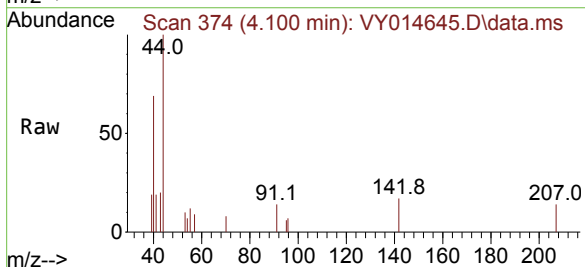
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

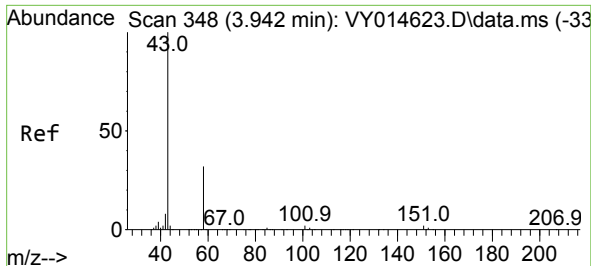
Tgt Ion:168 Resp: 233031
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.463 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion:142 Resp: 255
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

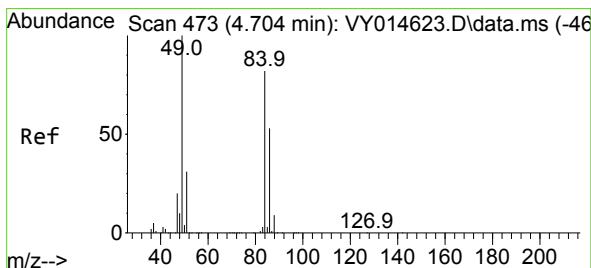
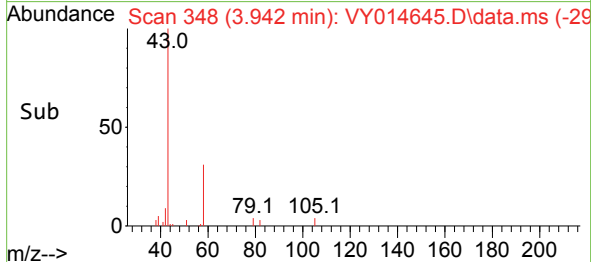
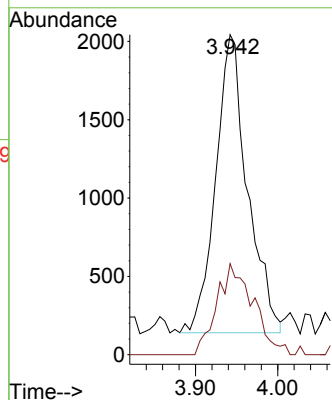
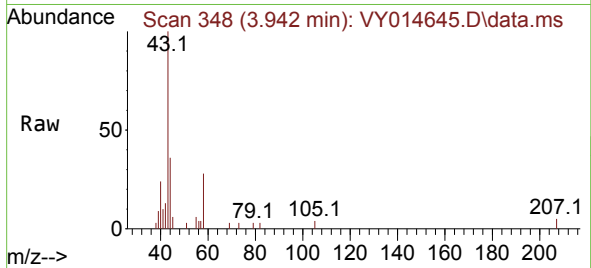




#16
Acetone
Concen: 6.071 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

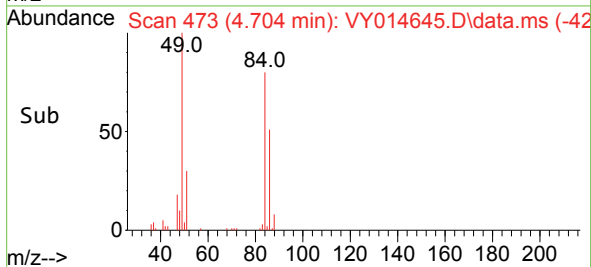
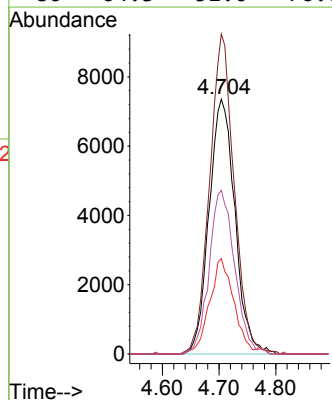
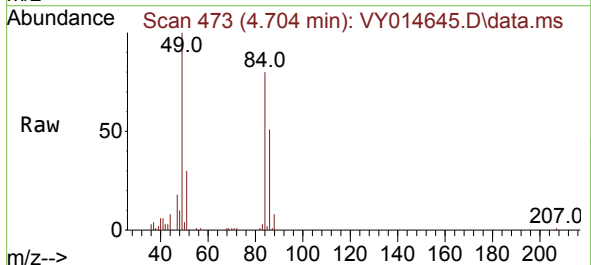
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

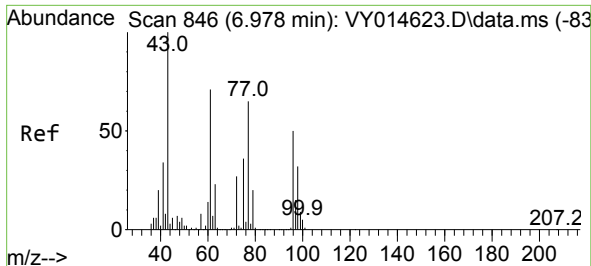
Tgt Ion: 43 Resp: 5109
Ion Ratio Lower Upper
43 100
58 30.5 22.7 34.1



#20
Methylene Chloride
Concen: 4.686 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 84 Resp: 23272
Ion Ratio Lower Upper
84 100
49 125.6 106.9 160.3
51 37.4 33.2 49.8
86 64.3 51.0 76.6

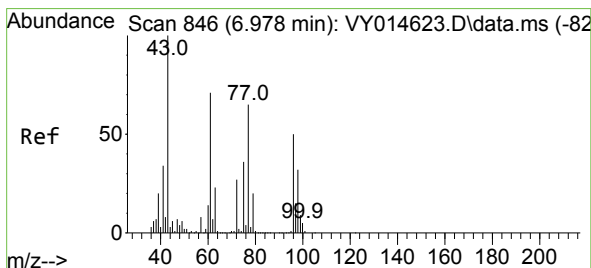
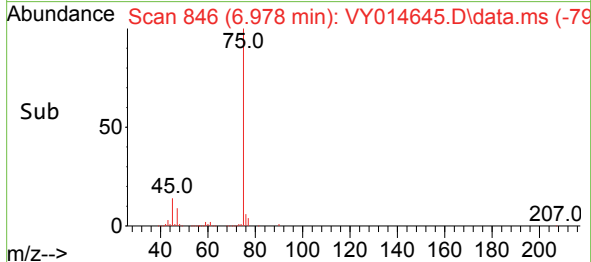
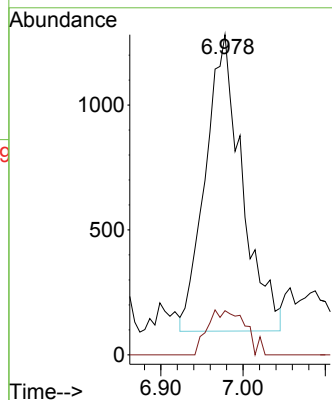
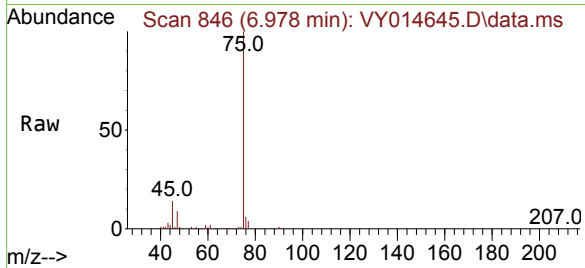




#25
2-Butanone
Concen: 2.986 ug/l
RT: 6.978 min Scan# 844
Delta R.T. 0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

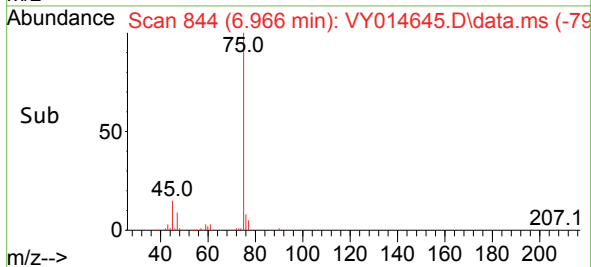
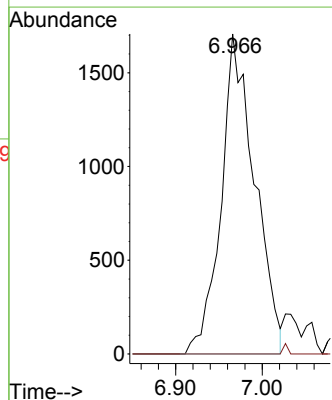
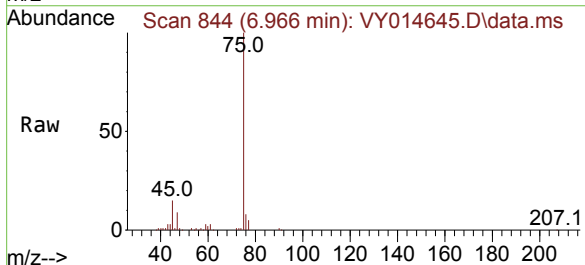
Instrument :
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VNJ-210

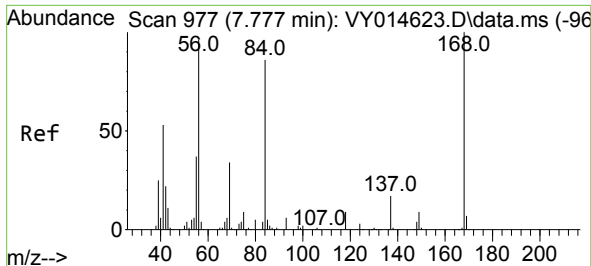
Tgt Ion: 43 Resp: 3676
Ion Ratio Lower Upper
43 100
72 15.6 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.017 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.012 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 77 Resp: 4593
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#

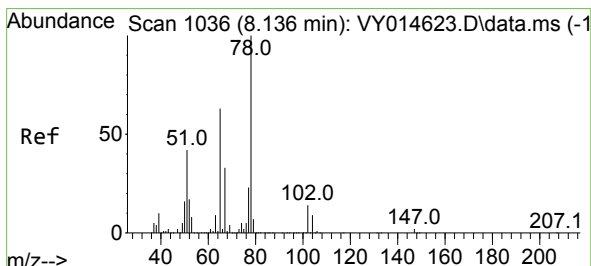
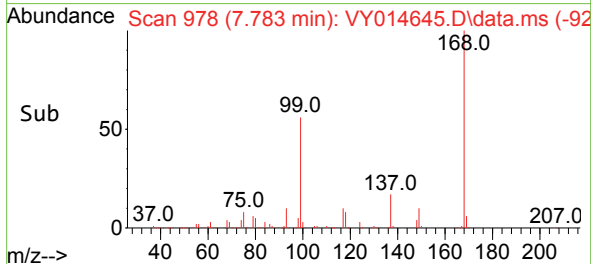
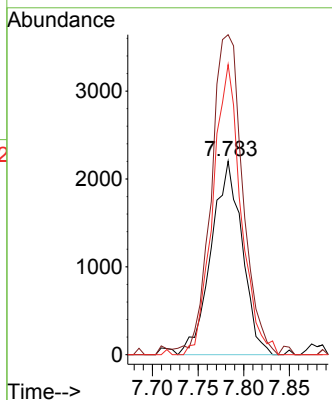
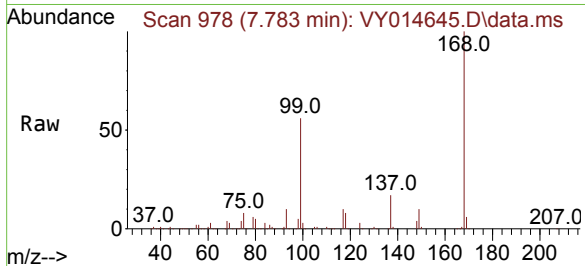




#31
Cyclohexane
Concen: 1.174 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

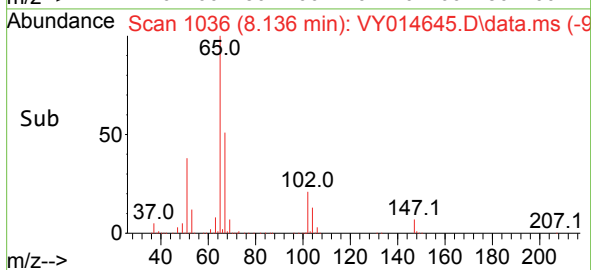
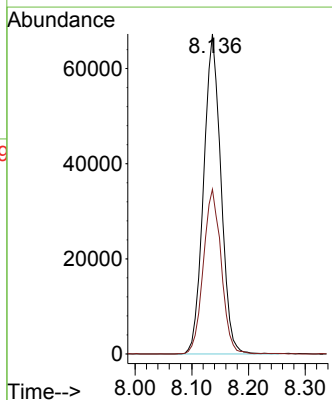
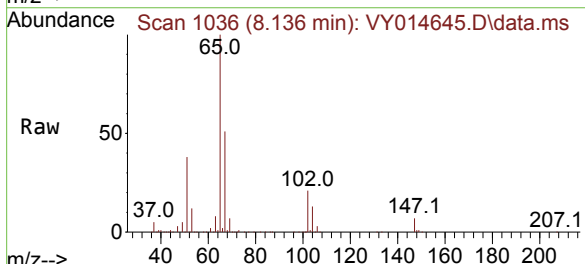
Instrument :
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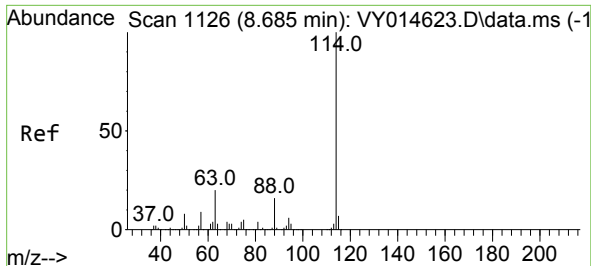
Tgt Ion: 56 Resp: 5173
Ion Ratio Lower Upper
56 100
69 165.5 27.8 41.6#
84 150.0 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.649 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 65 Resp: 142464
Ion Ratio Lower Upper
65 100
67 53.2 0.0 101.8

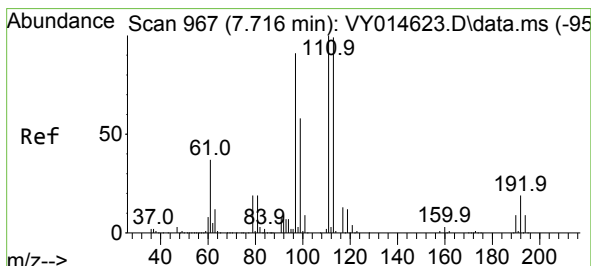
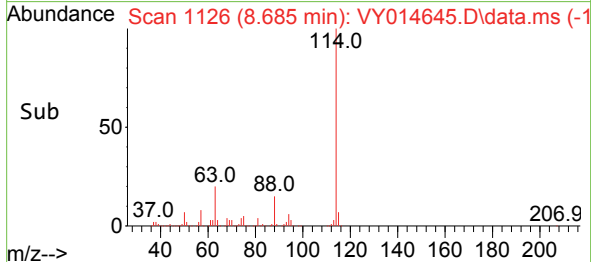
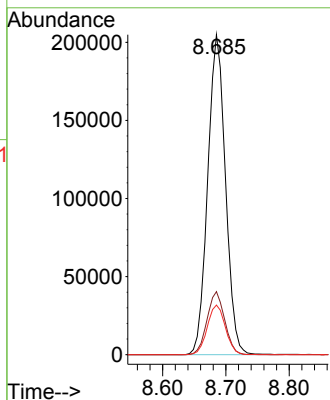
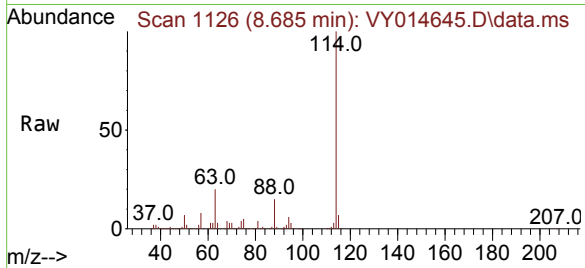




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

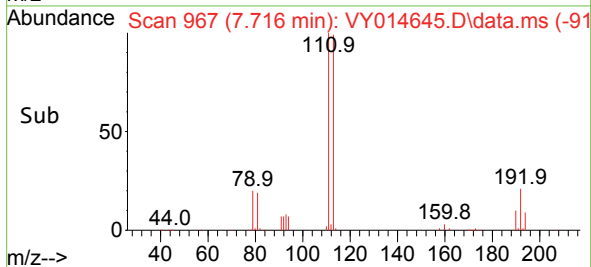
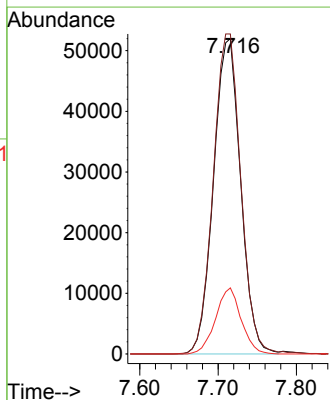
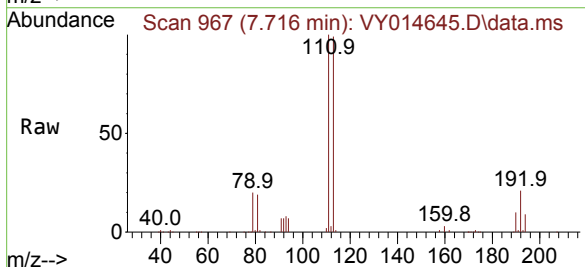
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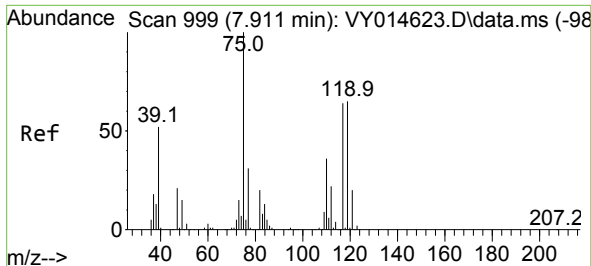
Tgt Ion:114 Resp: 400193
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.4
88 15.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.004 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion:113 Resp: 124839
Ion Ratio Lower Upper
113 100
111 103.3 81.3 121.9
192 19.8 16.9 25.3

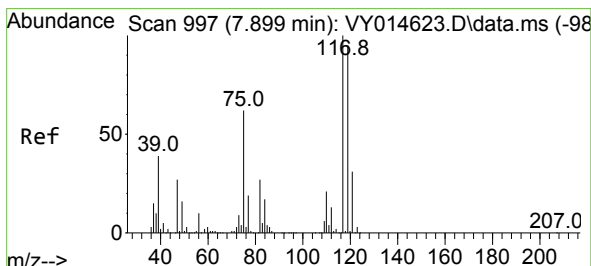
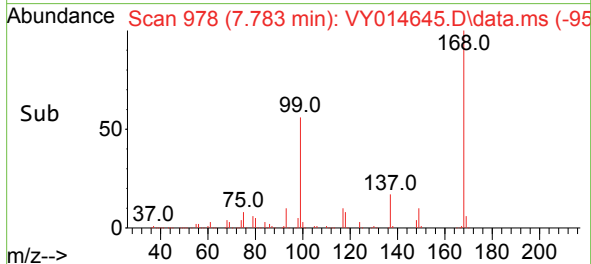
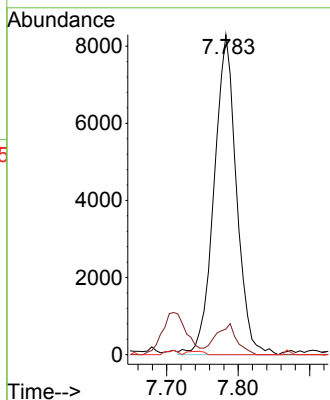
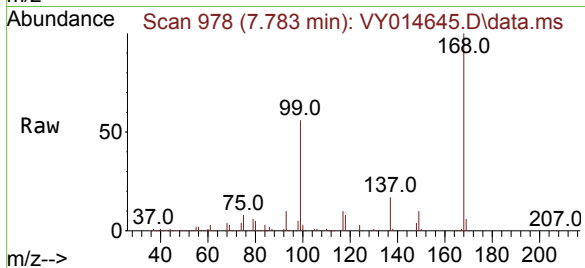




#36
1,1-Dichloropropene
Concen: 4.734 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

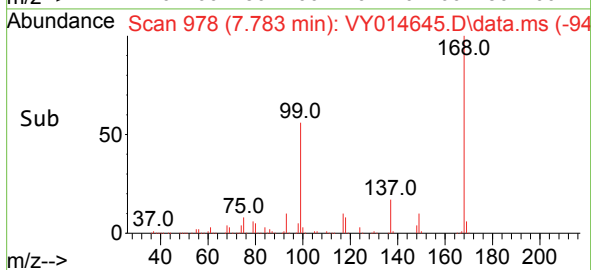
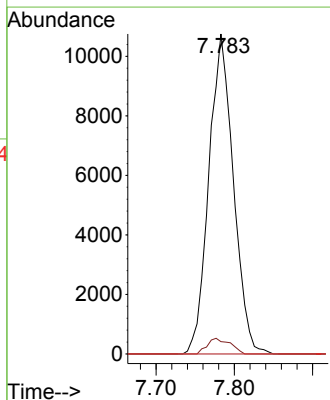
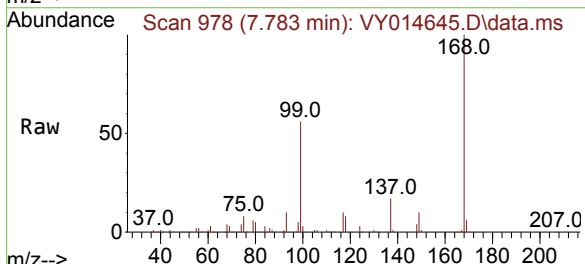
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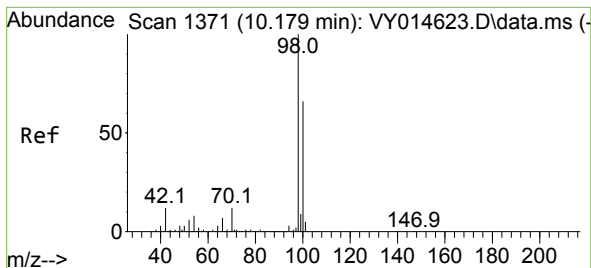
Tgt Ion: 75 Resp: 18034
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.814 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 117 Resp: 23415
Ion Ratio Lower Upper
117 100
119 3.9 76.4 114.6#
121 0.0 25.8 38.6#

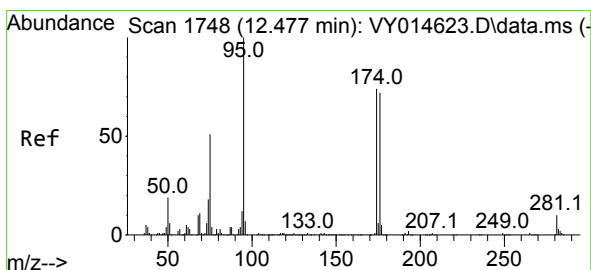
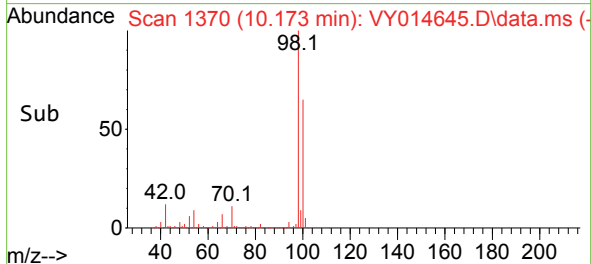
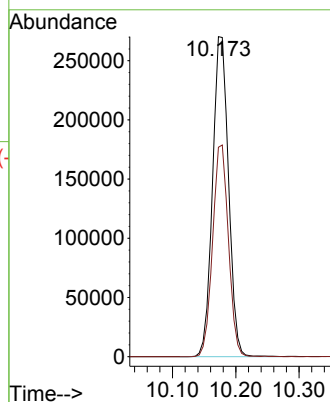
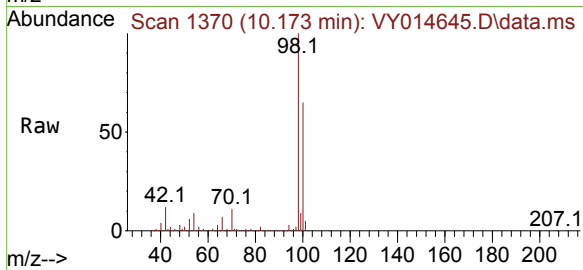




#50
Toluene-d8
Concen: 50.407 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

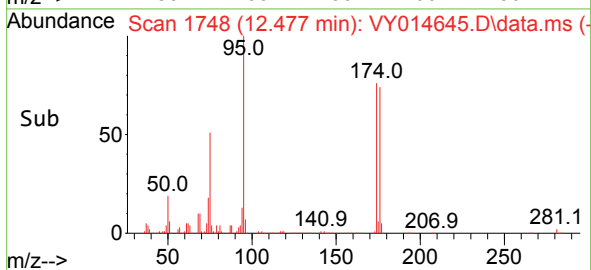
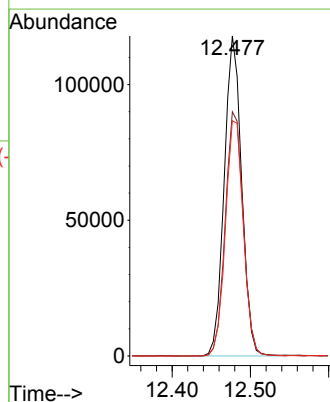
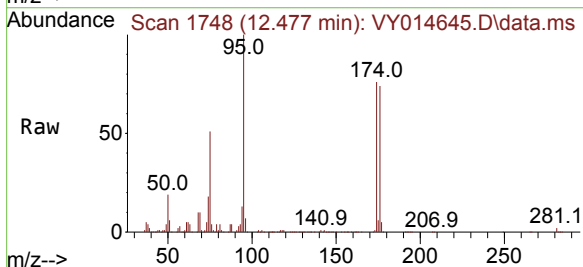
Instrument :
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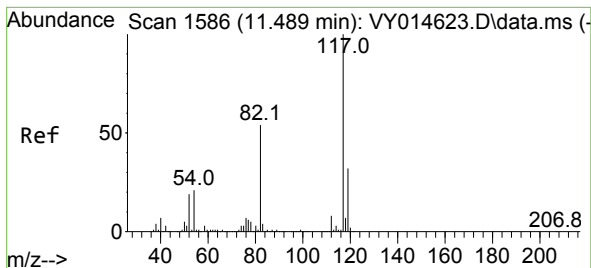
Tgt Ion: 98 Resp: 473435
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.642 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 95 Resp: 182377
Ion Ratio Lower Upper
95 100
174 79.0 0.0 178.2
176 76.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014645.D

Acq: 14 Jul 2023 14:16

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

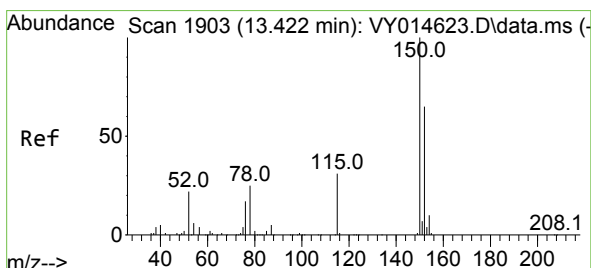
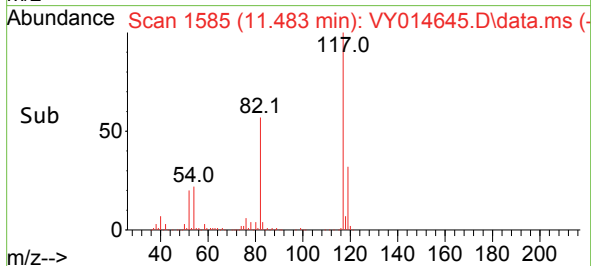
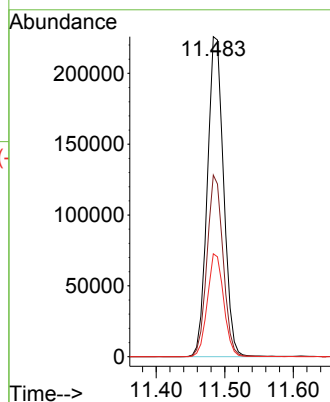
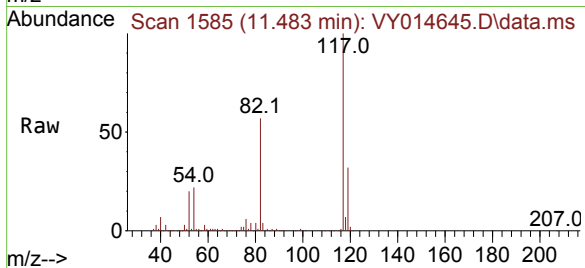
Tgt Ion:117 Resp: 373325

Ion Ratio Lower Upper

117 100

82 56.8 43.4 65.0

119 32.1 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: VY014645.D

Acq: 14 Jul 2023 14:16

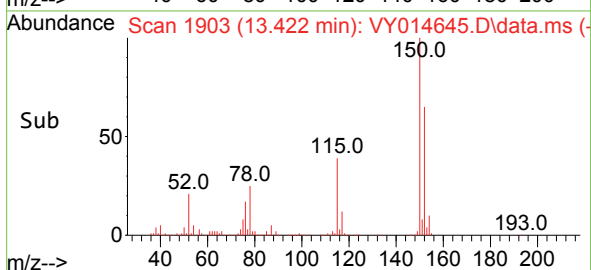
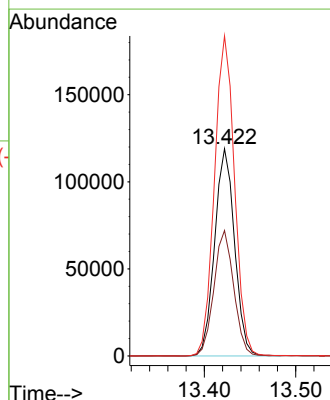
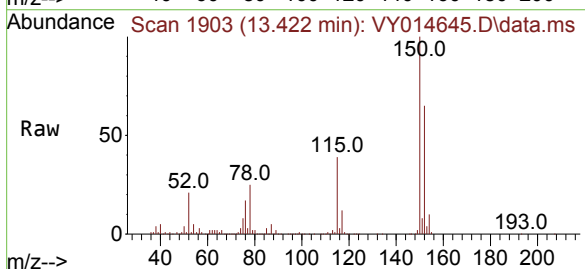
Tgt Ion:152 Resp: 180150

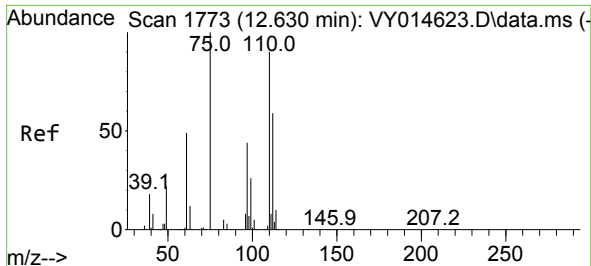
Ion Ratio Lower Upper

152 100

115 60.5 28.8 86.5

150 155.7 0.0 348.8

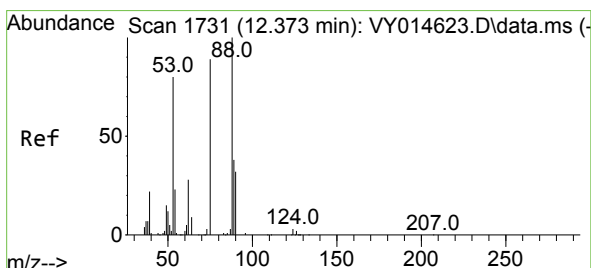
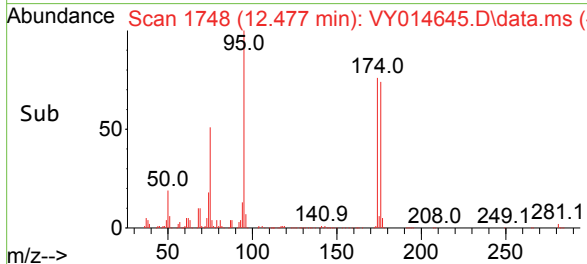
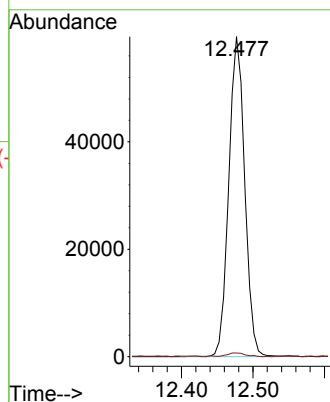
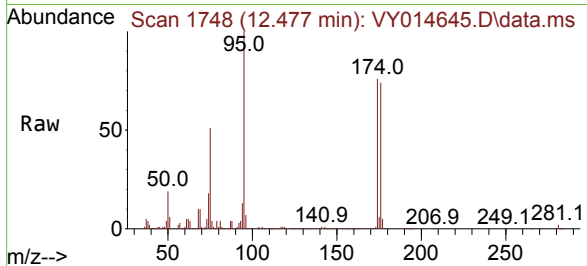




#76
1,2,3-Trichloropropane
Concen: 40.491 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 92128
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.399 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014645.D
Acq: 14 Jul 2023 14:16

Tgt Ion: 75 Resp: 92128
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

