

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063023\
 Data File : VY014523.D
 Acq On : 30 Jun 2023 18:16
 Operator : KP/MD
 Sample : 03471-03
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-232

Quant Time: Jun 30 23:20:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y063023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 30 19:02:11 2023
 Response via : Initial Calibration

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

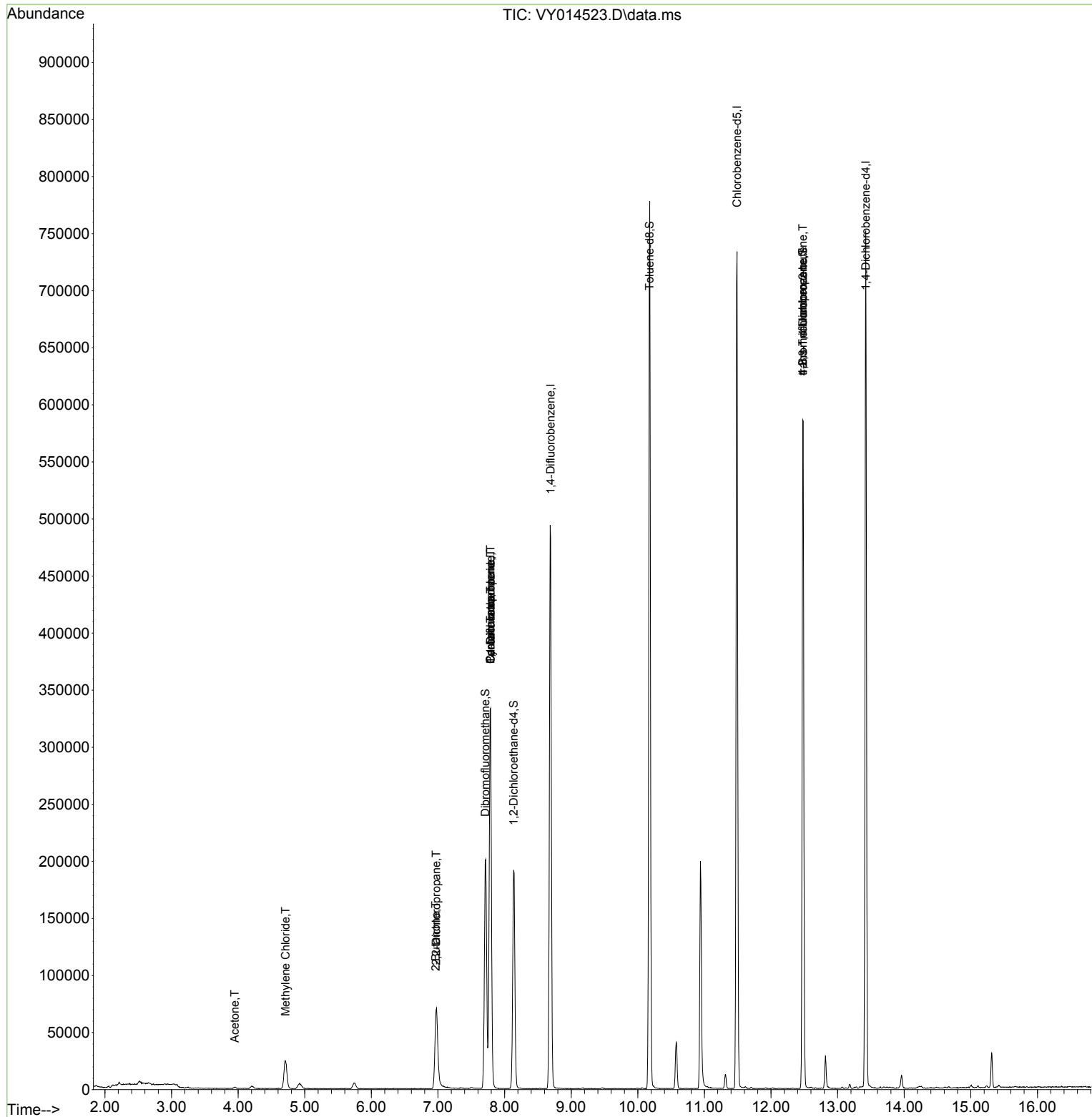
Internal Standards						
1) Pentafluorobenzene	7.789	168	289285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	455212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	438514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	207425	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	154375	53.644	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.280%			
35) Dibromofluoromethane	7.710	113	145009	51.729	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.460%			
50) Toluene-d8	10.179	98	535939	48.364	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.477	95	175810	45.689	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 91.380%			
Target Compounds						
11) Tert butyl alcohol	4.917	59	5332	Below Cal	#	90
13) Acrolein	3.741	56	48	Below Cal	#	14
16) Acetone	3.948	43	2129	2.369	ug/l	90
20) Methylene Chloride	4.710	84	20919	1.415	ug/l #	85
25) 2-Butanone	6.966	43	3598	2.704	ug/l #	77
26) 2,2-Dichloropropane	6.972	77	5909	1.310	ug/l #	54
31) Cyclohexane	7.789	56	4577	1.014	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	19660	4.580	ug/l #	50
38) Carbon Tetrachloride	7.789	117	24792	5.532	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	83144	34.159	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	83144	66.487	ug/l #	11

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

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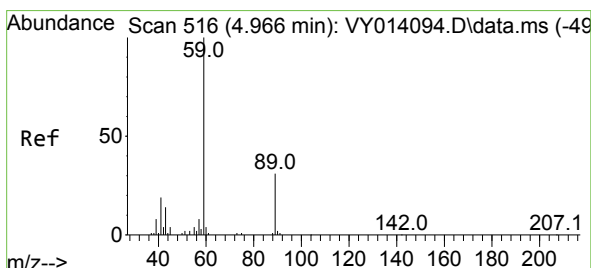
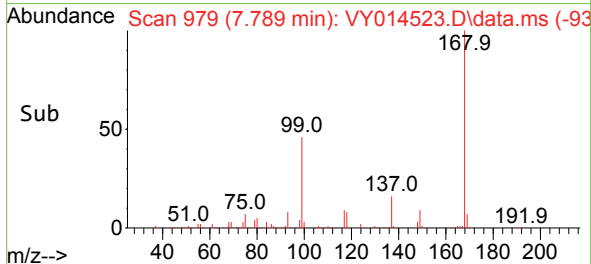
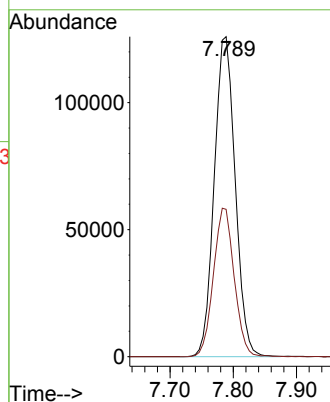
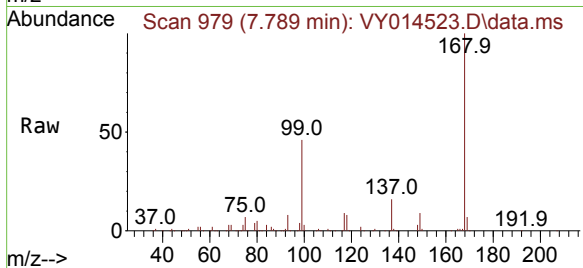




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

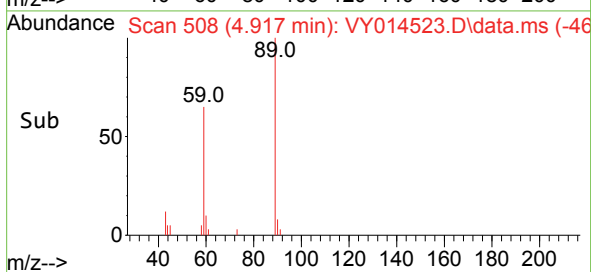
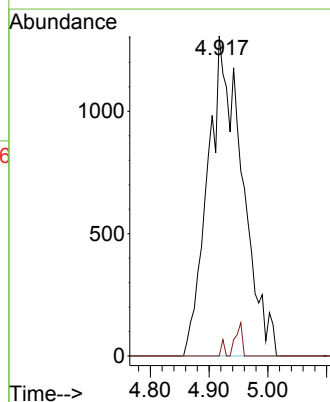
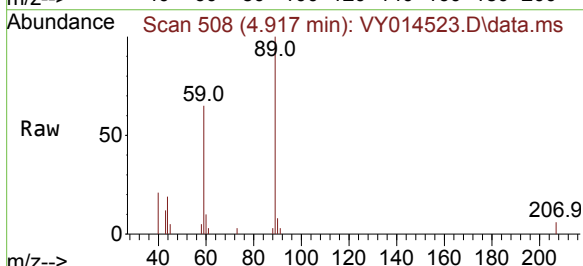
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

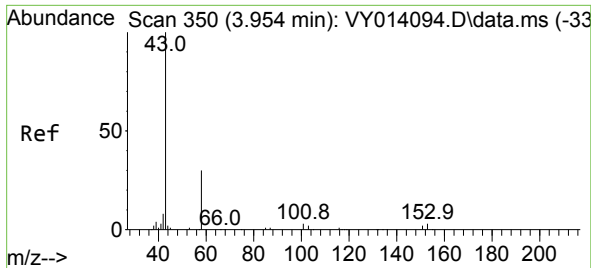
Tgt Ion:168 Resp: 289285
Ion Ratio Lower Upper
168 100
99 46.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.049 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion: 59 Resp: 5332
Ion Ratio Lower Upper
59 100
57 0.5 3.0 4.4#

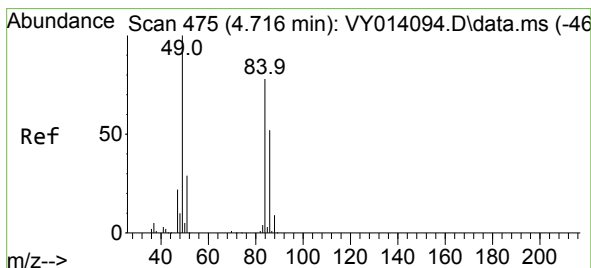
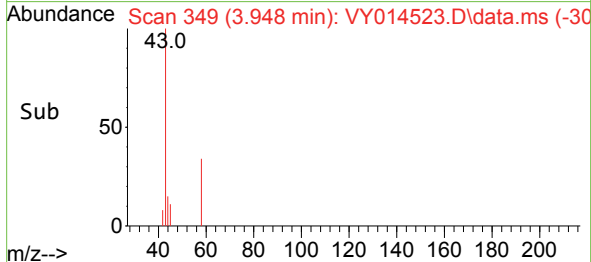
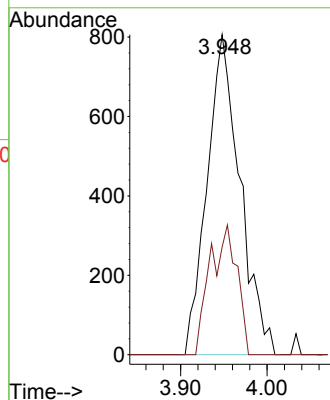
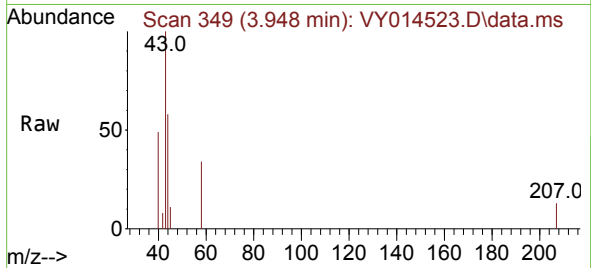




#16
Acetone
Concen: 2.369 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

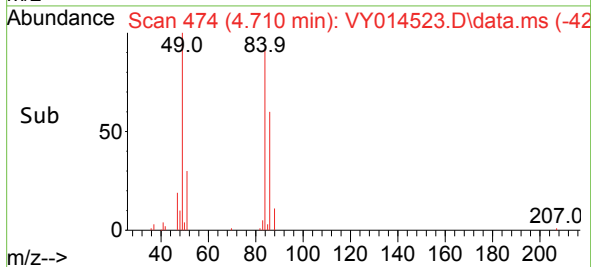
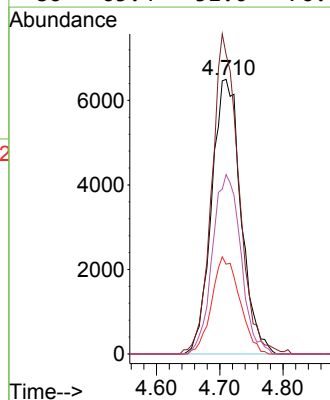
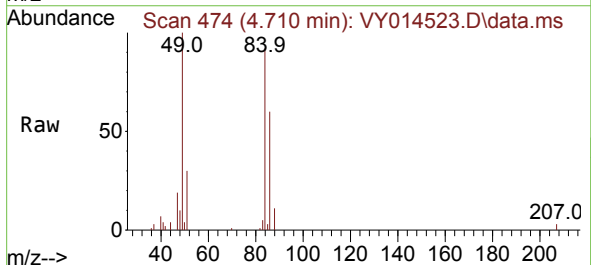
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

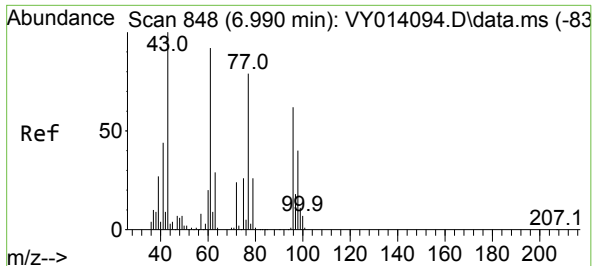
Tgt Ion: 43 Resp: 2129
Ion Ratio Lower Upper
43 100
58 33.6 22.7 34.1



#20
Methylene Chloride
Concen: 1.415 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion: 84 Resp: 20919
Ion Ratio Lower Upper
84 100
49 109.1 106.9 160.3
51 32.7 33.2 49.8#
86 65.4 51.0 76.6





#25

2-Butanone

Concen: 2.704 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.024 min

Lab File: VY014523.D

Acq: 30 Jun 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

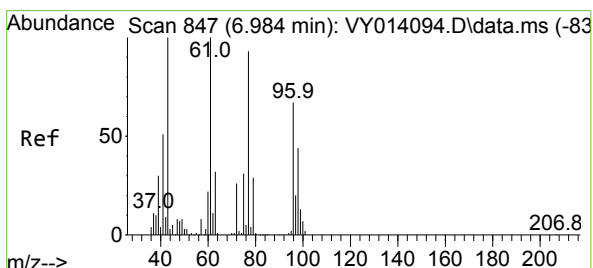
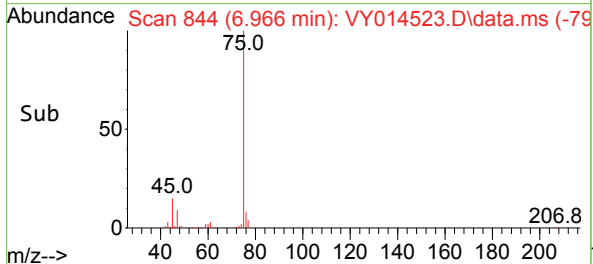
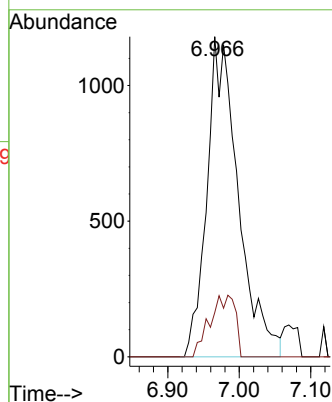
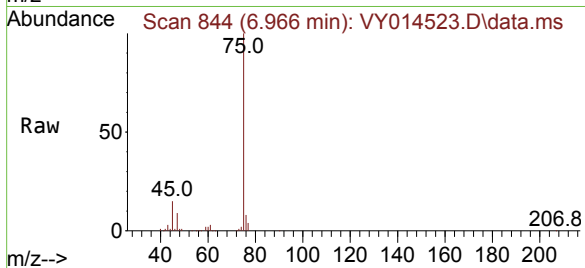
VNJ-232

Tgt Ion: 43 Resp: 3598

Ion Ratio Lower Upper

43 100

72 13.8 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.310 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY014523.D

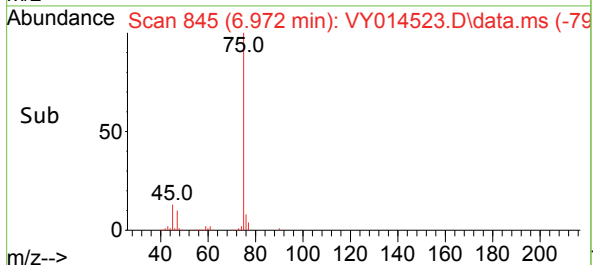
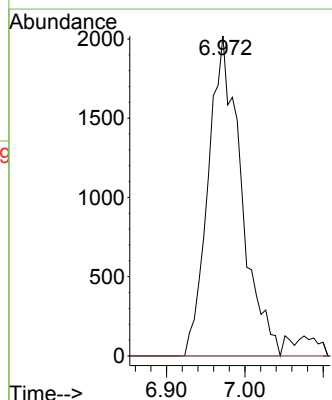
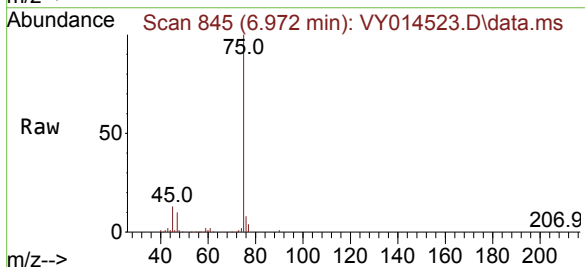
Acq: 30 Jun 2023 18:16

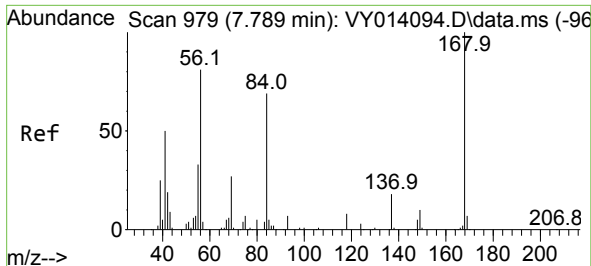
Tgt Ion: 77 Resp: 5909

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

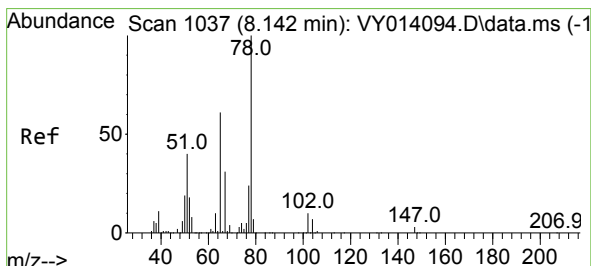
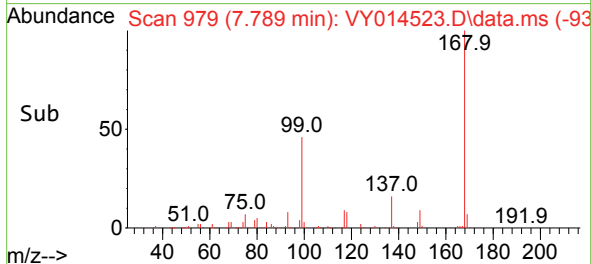
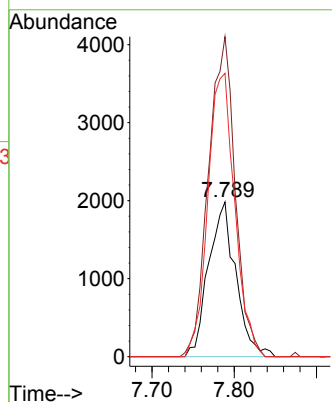
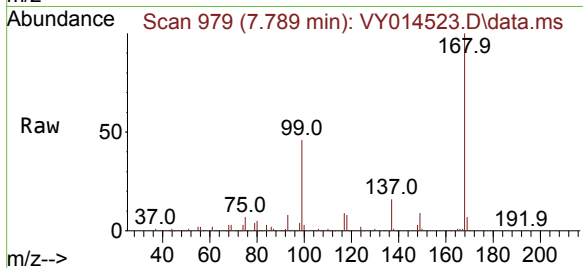




#31
Cyclohexane
Concen: 1.014 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

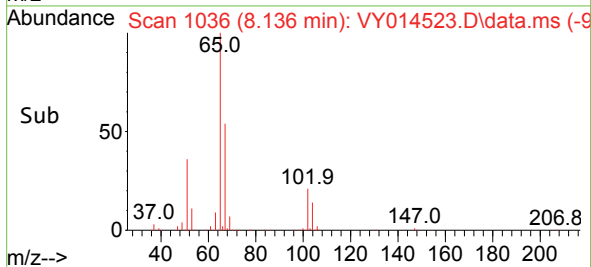
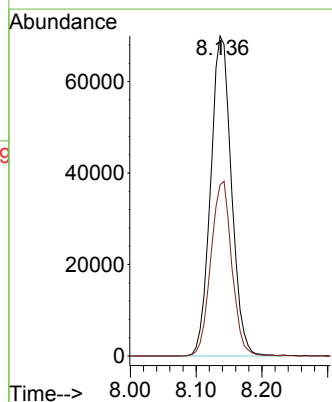
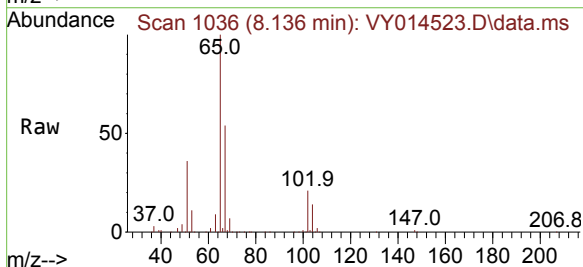
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

Tgt Ion: 56 Resp: 4577
Ion Ratio Lower Upper
56 100
69 206.9 27.8 41.6#
84 183.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 53.644 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion: 65 Resp: 154375
Ion Ratio Lower Upper
65 100
67 54.8 0.0 101.8

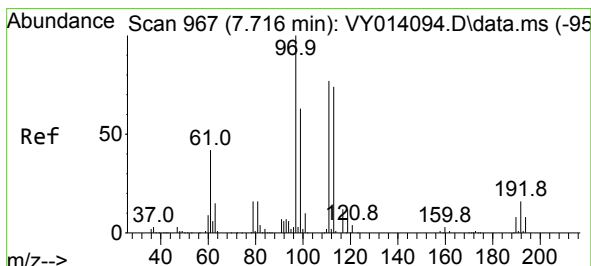
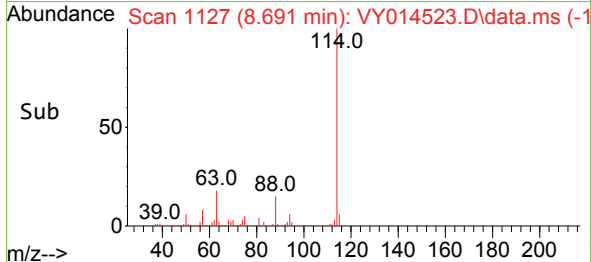
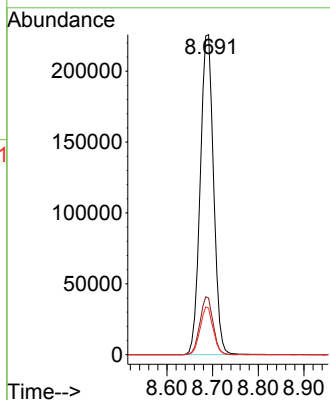
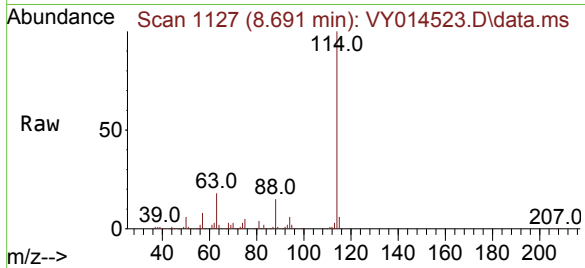




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY014523.D
 Acq: 30 Jun 2023 18:16

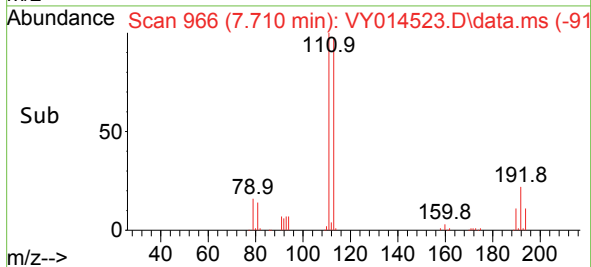
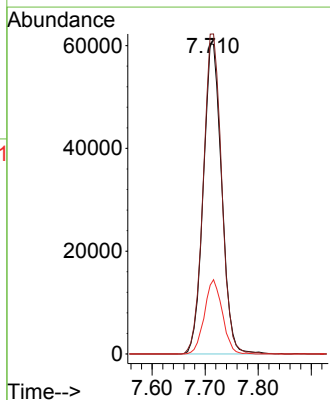
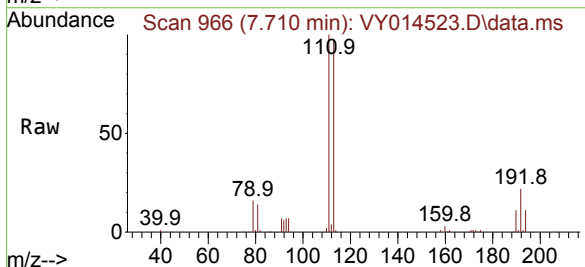
Instrument :
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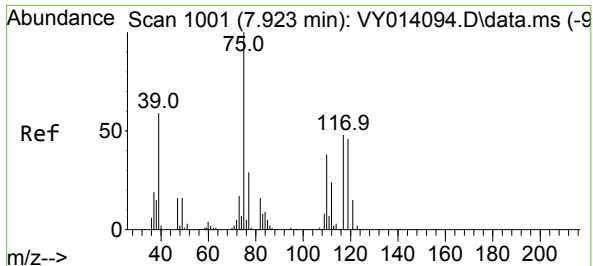
Tgt Ion:	114	Resp:	455212
Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	42.4
88	14.5	0.0	30.6



#35
 Dibromofluoromethane
 Concen: 51.729 ug/l
 RT: 7.710 min Scan# 966
 Delta R.T. -0.006 min
 Lab File: VY014523.D
 Acq: 30 Jun 2023 18:16

Tgt Ion:	113	Resp:	145009
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.3	121.9
192	23.4	16.9	25.3

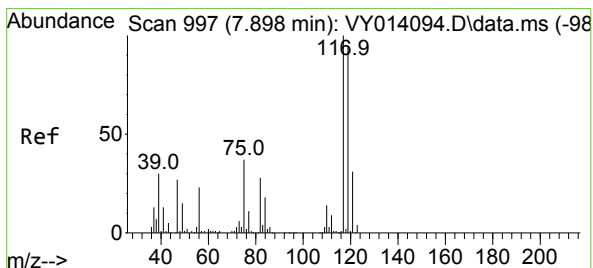
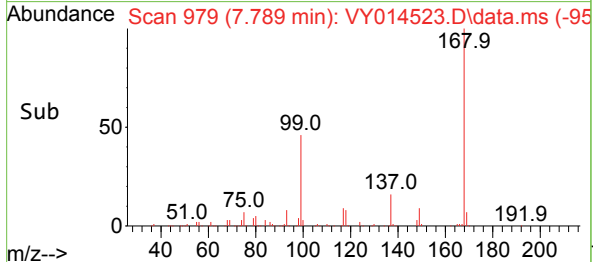
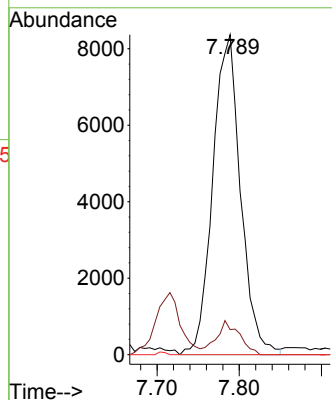
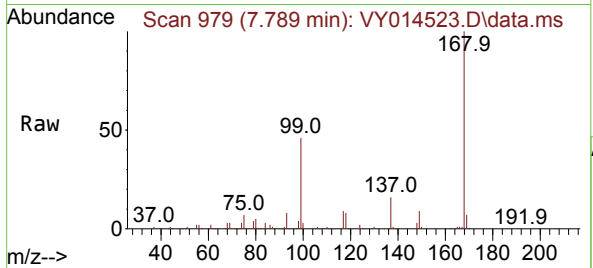




#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

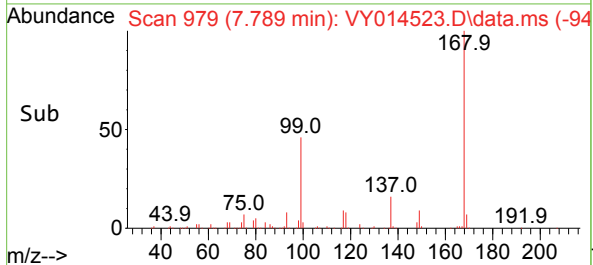
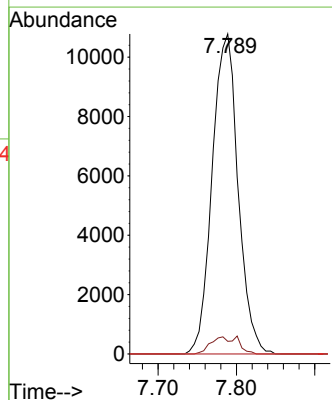
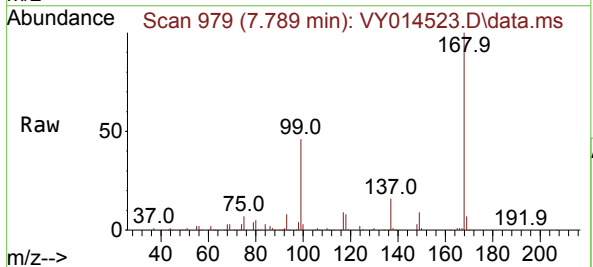
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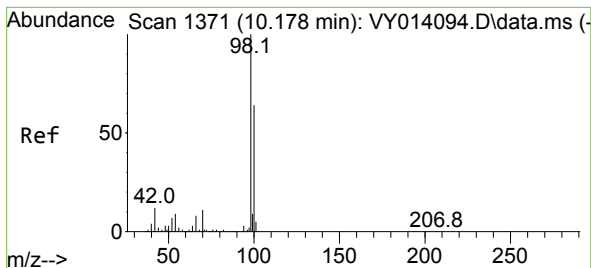
Tgt Ion: 75 Resp: 19660
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.109 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion:117 Resp: 24792
Ion Ratio Lower Upper
117 100
119 4.0 76.4 114.6#
121 0.0 25.8 38.6#

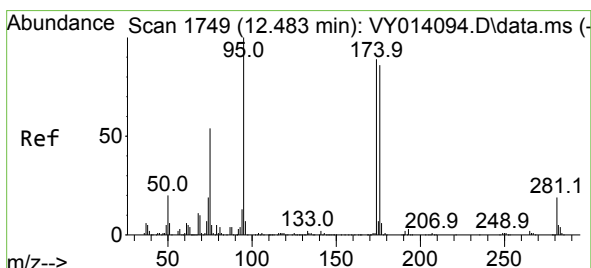
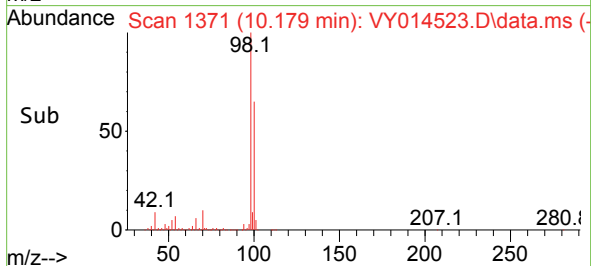
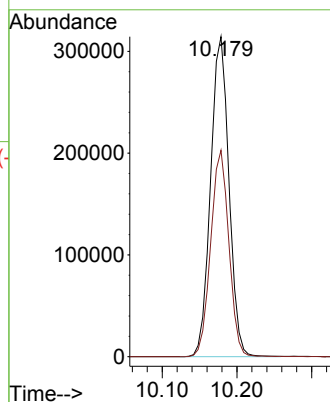
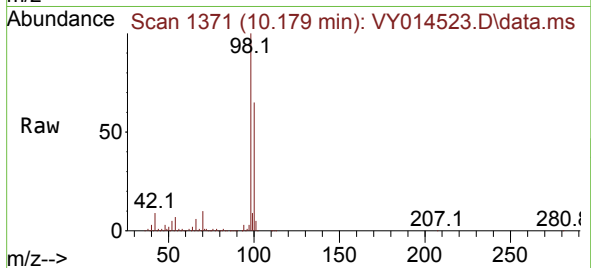




#50
Toluene-d8
Concen: 48.364 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

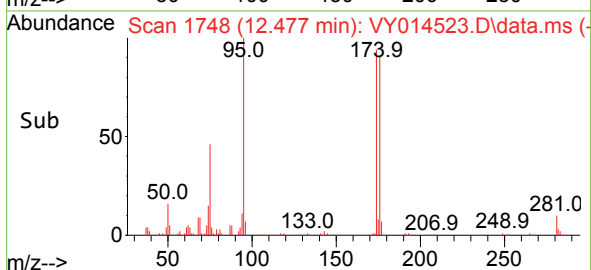
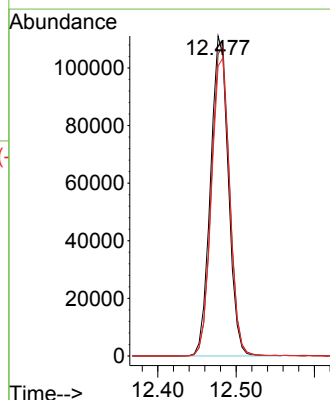
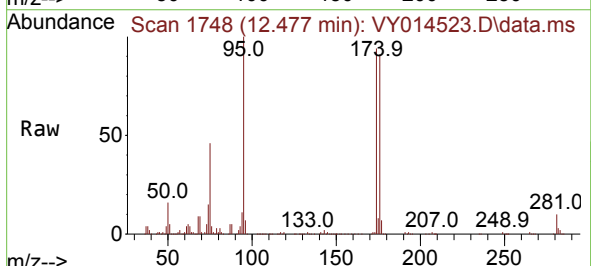
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

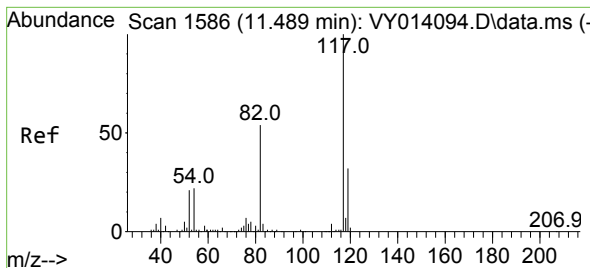
Tgt Ion: 98 Resp: 535939
Ion Ratio Lower Upper
98 100
100 63.9 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 45.689 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion: 95 Resp: 175810
Ion Ratio Lower Upper
95 100
174 98.5 0.0 178.2
176 95.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014523.D

Acq: 30 Jun 2023 18:16

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-232

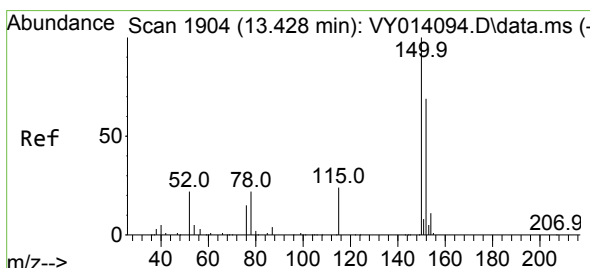
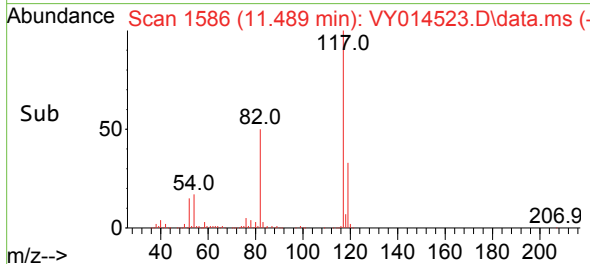
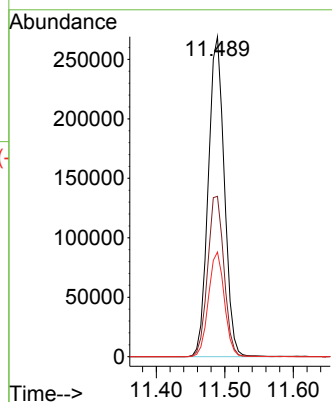
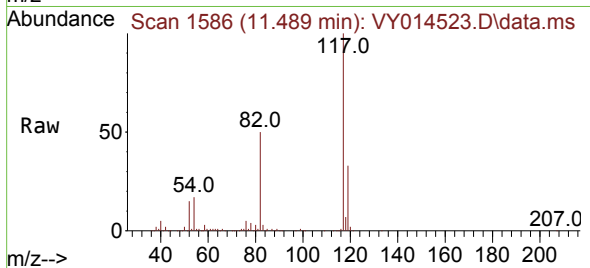
Tgt Ion:117 Resp: 438514

Ion Ratio Lower Upper

117 100

82 50.1 43.4 65.0

119 32.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014523.D

Acq: 30 Jun 2023 18:16

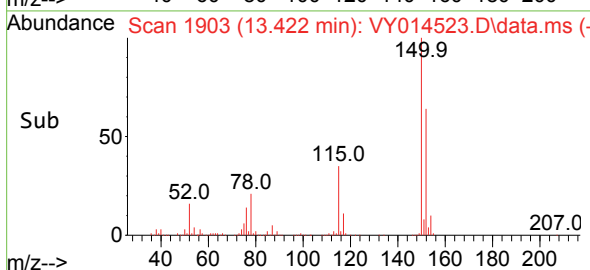
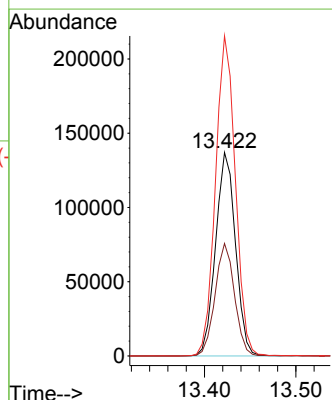
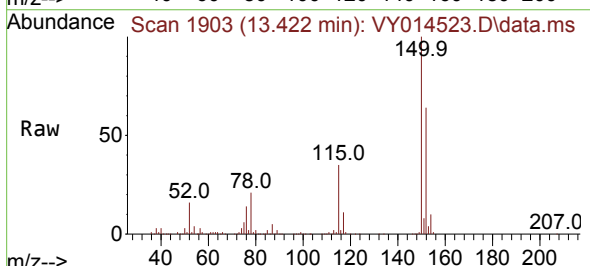
Tgt Ion:152 Resp: 207425

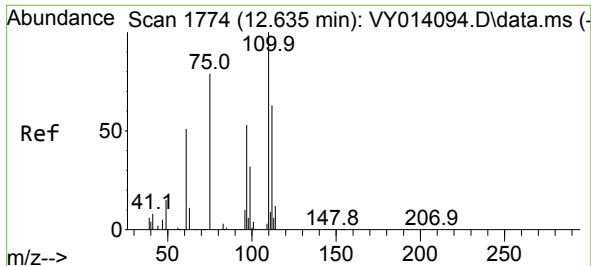
Ion Ratio Lower Upper

152 100

115 54.2 28.8 86.5

150 156.7 0.0 348.8

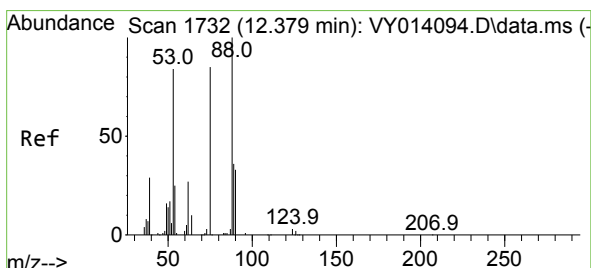
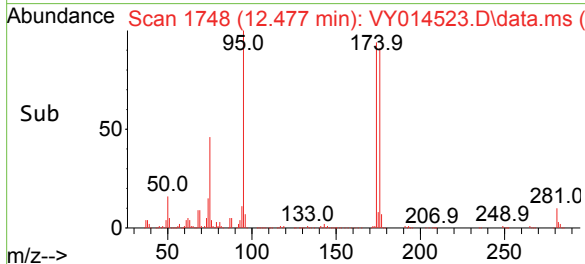
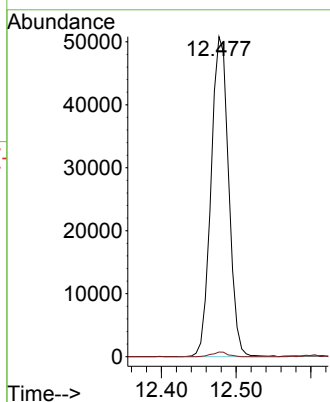
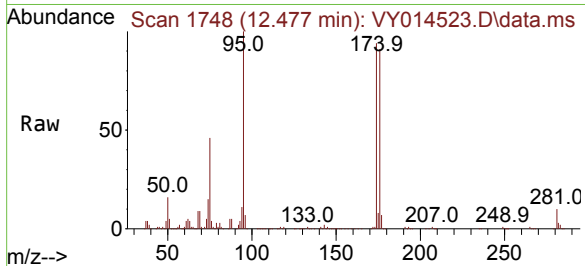




#76
1,2,3-Trichloropropane
Concen: 34.159 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-232

Tgt Ion: 75 Resp: 83144
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.487 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014523.D
Acq: 30 Jun 2023 18:16

Tgt Ion: 75 Resp: 83144
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.2 37.4 56.0#

