

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042723\
 Data File : VY013506.D
 Acq On : 27 Apr 2023 20:47
 Operator : KP/MD
 Sample : 02490-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-201

Quant Time: Apr 28 01:35:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	34993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	52634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	49616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	20606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	27197	70.899	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.800%	
35) Dibromofluoromethane	7.715	113	21181	63.982	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 127.960%	
50) Toluene-d8	10.178	98	62036	52.677	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.360%	
62) 4-Bromofluorobenzene	12.477	95	17709	44.605	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.220%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.777	59	19	1.089	ug/l #	89
16) Acetone	3.948	43	622	4.117	ug/l	92
20) Methylene Chloride	4.716	84	2745	Below Cal		88
31) Cyclohexane	7.782	56	892	1.299	ug/l #	43
36) 1,1-Dichloropropene	7.789	75	2611	4.752	ug/l #	49
38) Carbon Tetrachloride	7.782	117	3311	5.750	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	9418	33.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	9418	69.324	ug/l #	13

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

Quant Time: Apr 28 01:35:07 2023
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QLast Update : Tue Apr 25 02:39:58 2023
Response via : Initial Calibration

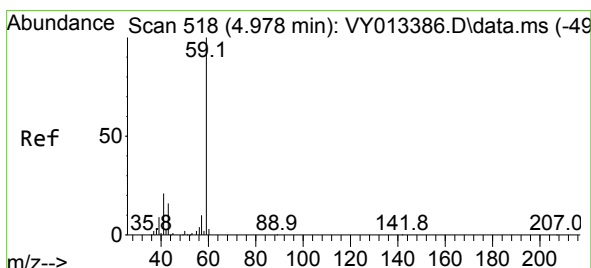
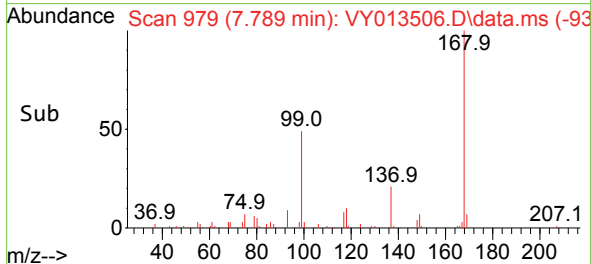
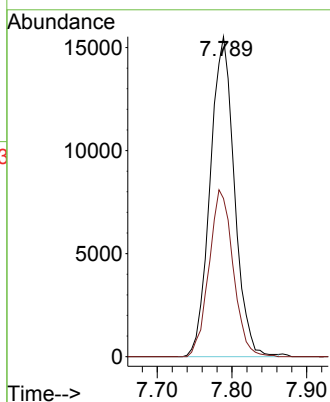
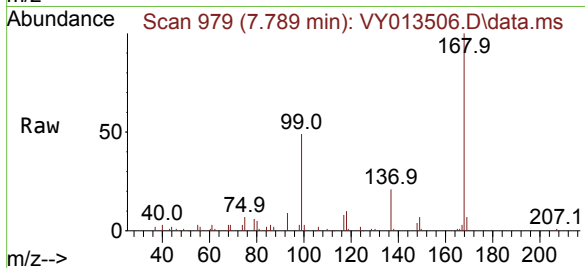




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

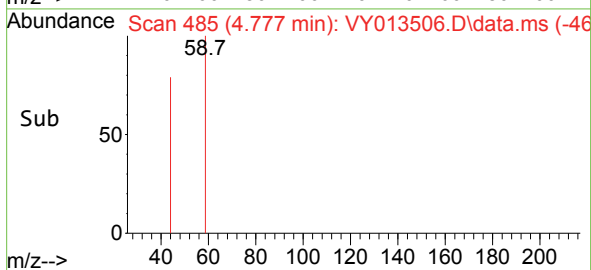
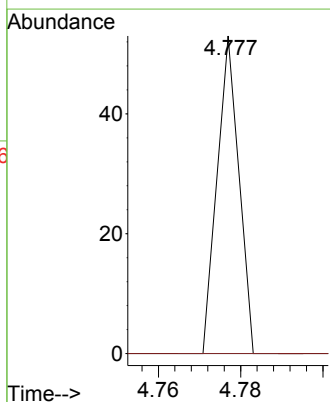
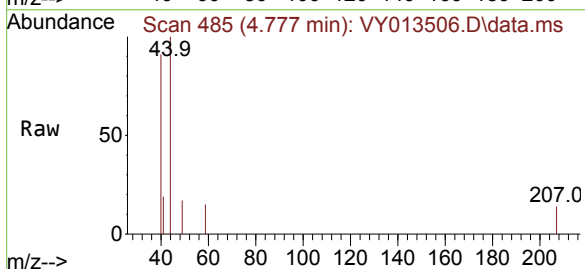
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-201

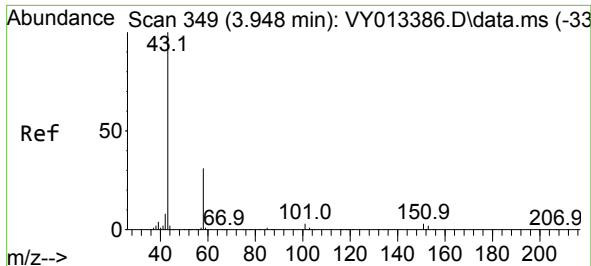
Tgt Ion:168 Resp: 34993
Ion Ratio Lower Upper
168 100
99 49.4 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.089 ug/l
RT: 4.777 min Scan# 485
Delta R.T. -0.201 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

Tgt Ion: 59 Resp: 19
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

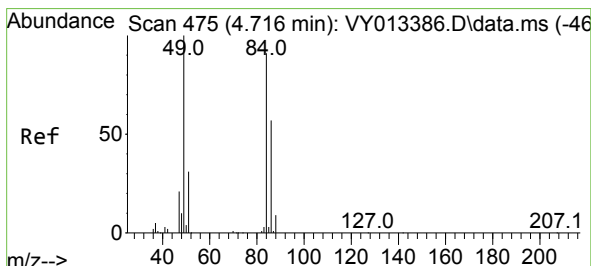
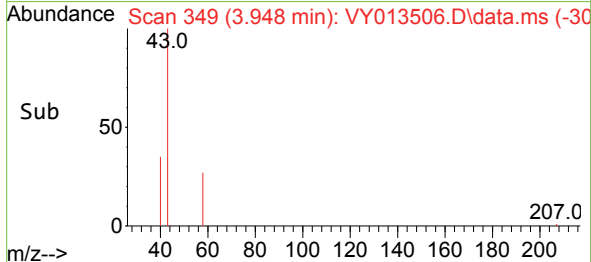
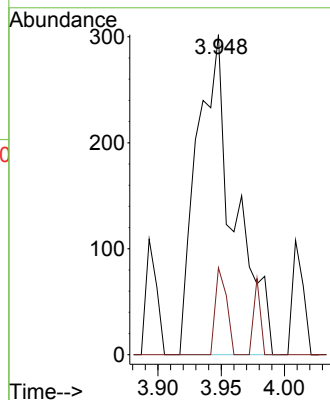
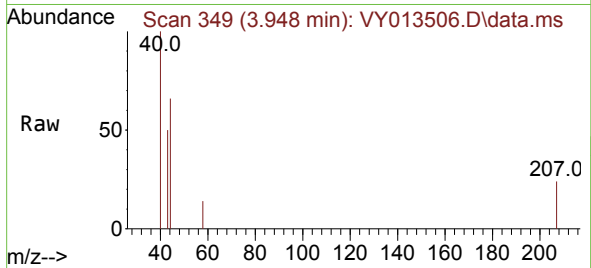




#16
Acetone
Concen: 4.117 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

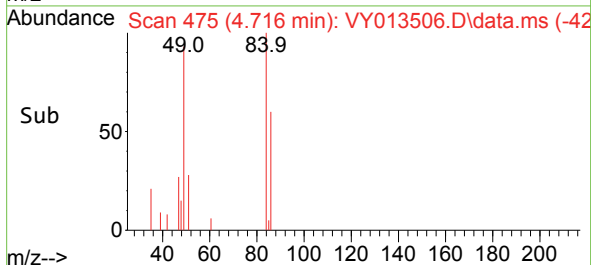
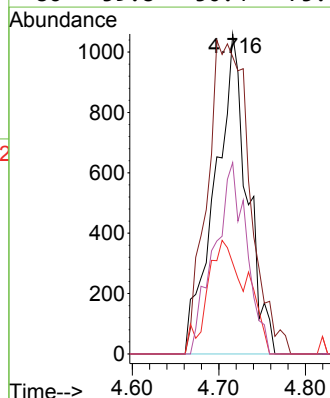
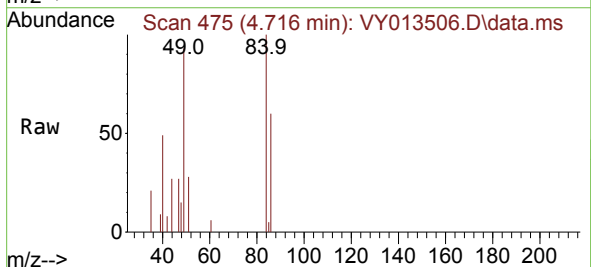
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-201

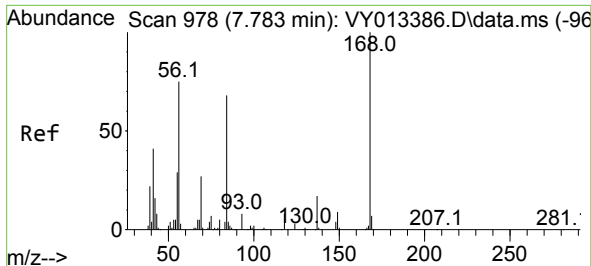
Tgt Ion: 43 Resp: 622
Ion Ratio Lower Upper
43 100
58 27.2 25.4 38.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

Tgt Ion: 84 Resp: 2745
Ion Ratio Lower Upper
84 100
49 92.8 88.0 132.0
51 28.4 27.4 41.0
86 59.8 50.4 75.6

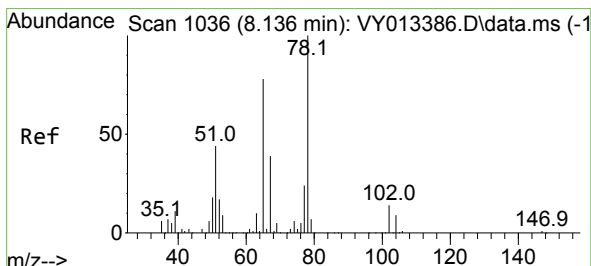
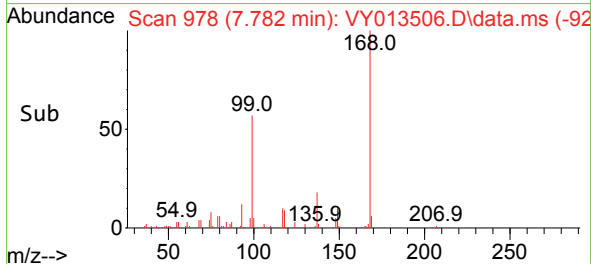
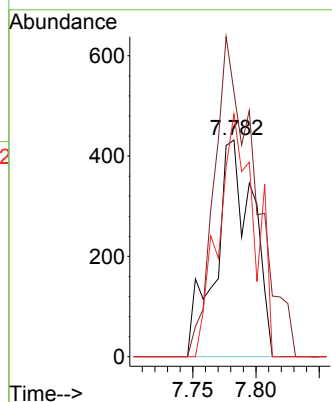
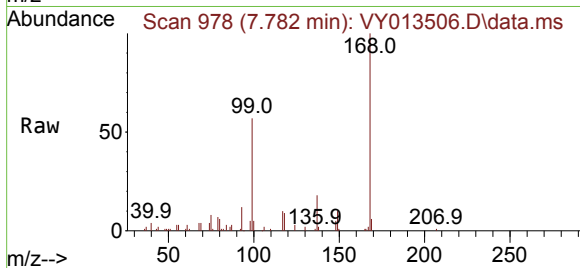




#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.001 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

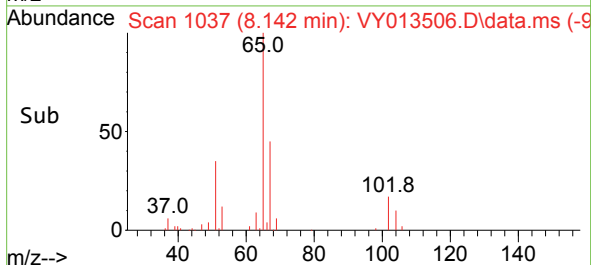
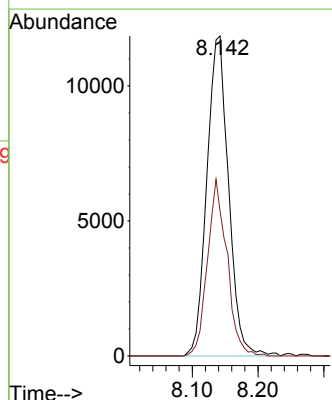
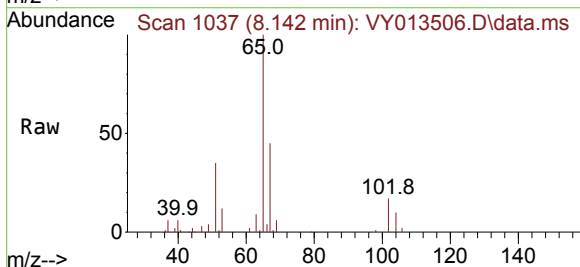
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-201

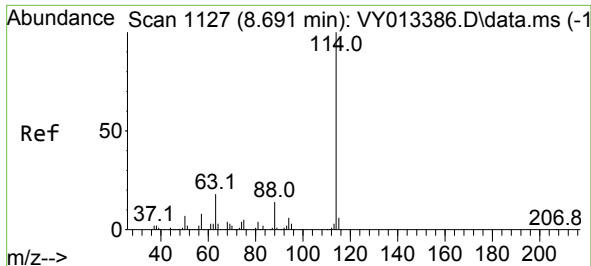
Tgt Ion: 56 Resp: 892
Ion Ratio Lower Upper
56 100
69 122.2 29.2 43.8#
84 112.0 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 70.899 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

Tgt Ion: 65 Resp: 27197
Ion Ratio Lower Upper
65 100
67 49.8 0.0 103.4

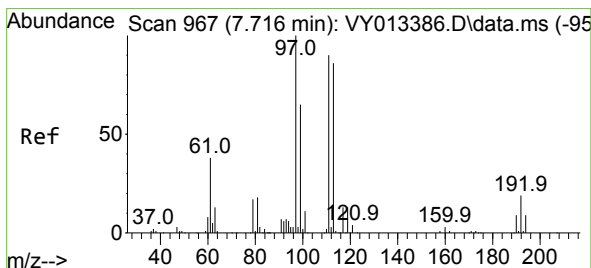
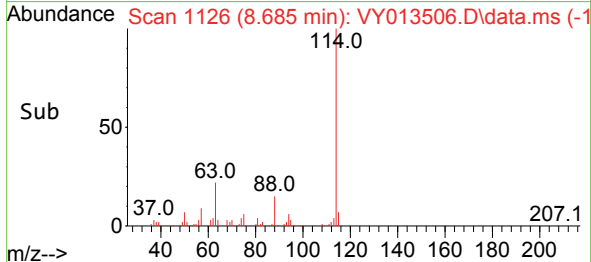
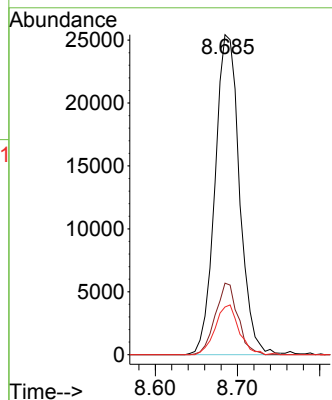
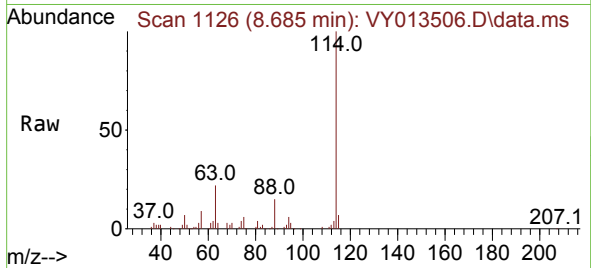




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

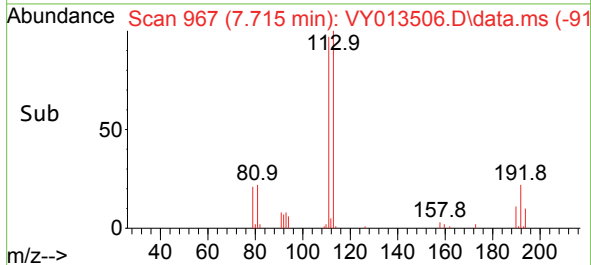
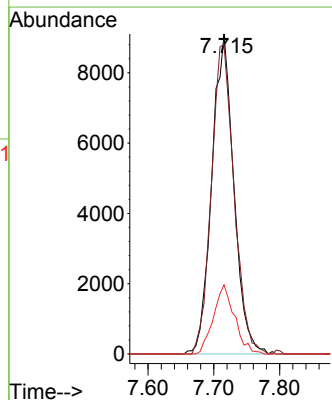
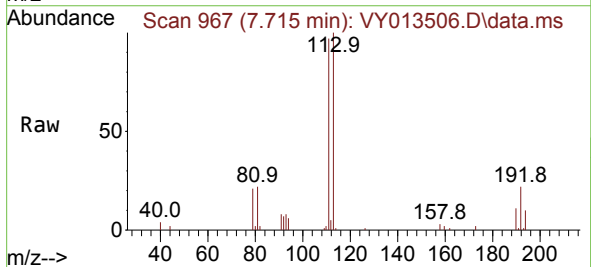
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-201

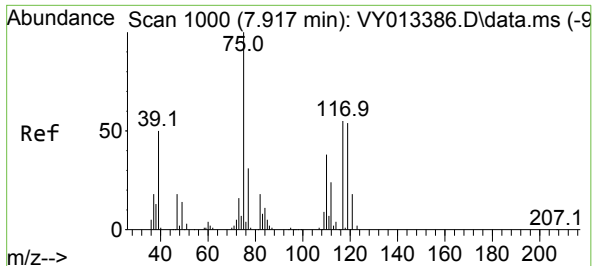
Tgt Ion:114 Resp: 52634
Ion Ratio Lower Upper
114 100
63 22.4 0.0 36.6
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 63.982 ug/l
RT: 7.715 min Scan# 967
Delta R.T. -0.001 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

Tgt Ion:113 Resp: 21181
Ion Ratio Lower Upper
113 100
111 99.7 82.2 123.2
192 20.8 16.7 25.1

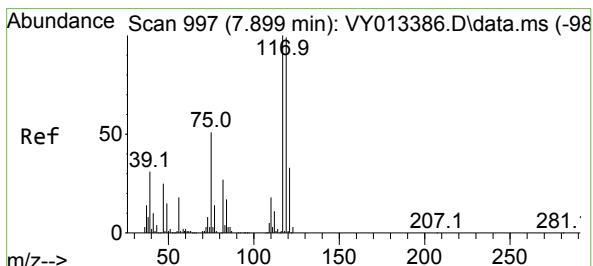
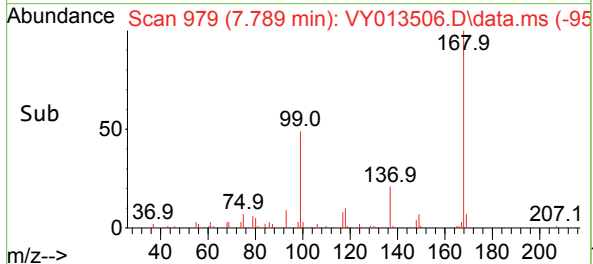
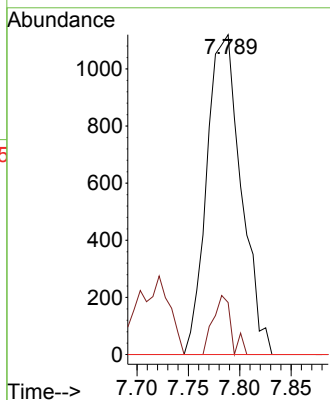
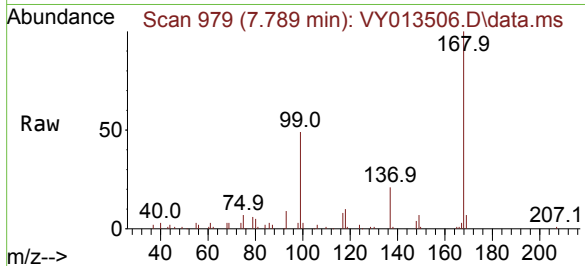




#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

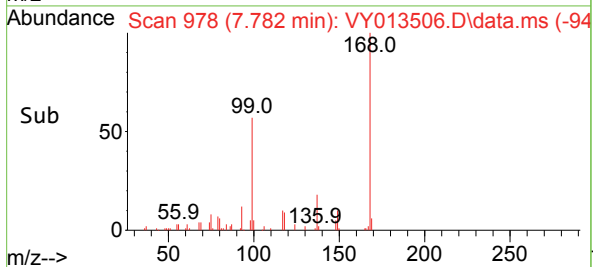
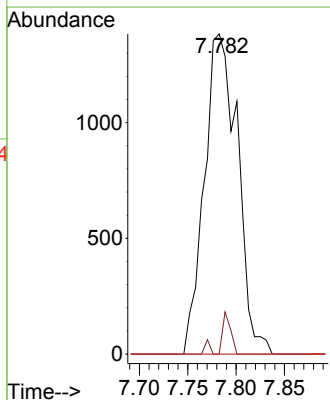
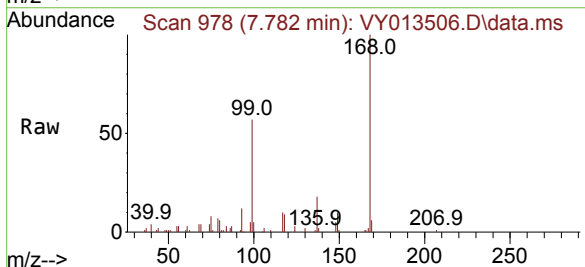
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-201

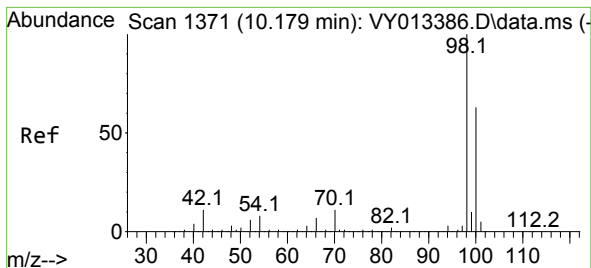
Tgt Ion: 75 Resp: 2611
Ion Ratio Lower Upper
75 100
110 9.8 18.7 56.1#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.750 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.117 min
Lab File: VY013506.D
Acq: 27 Apr 2023 20:47

Tgt Ion: 117 Resp: 3311
Ion Ratio Lower Upper
117 100
119 0.0 79.0 118.6#
121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 52.677 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.001 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

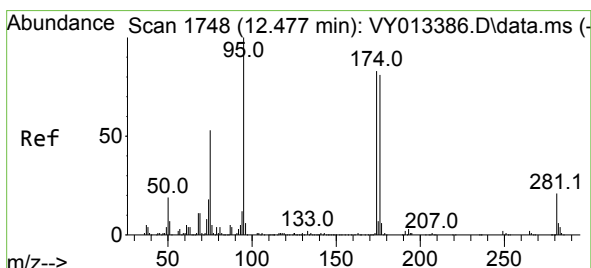
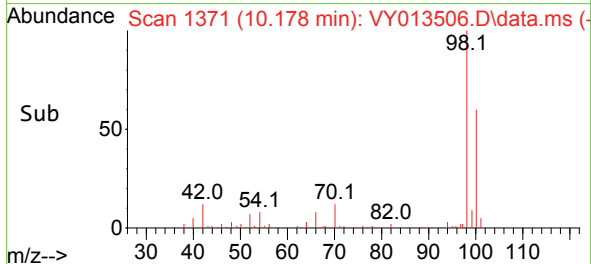
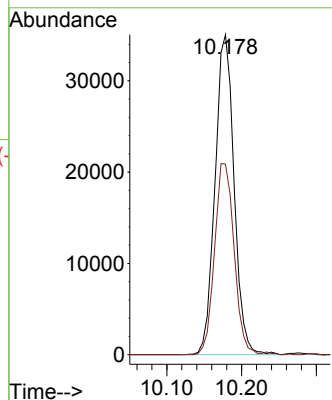
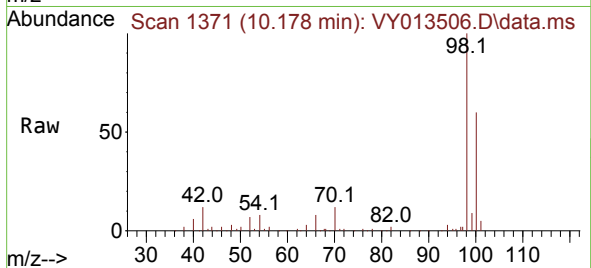
VNJ-201

Tgt Ion: 98 Resp: 62036

Ion Ratio Lower Upper

98 100

100 61.2 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 44.605 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

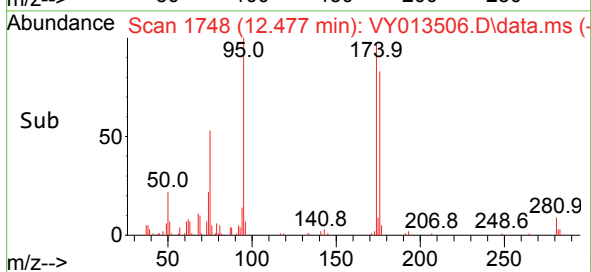
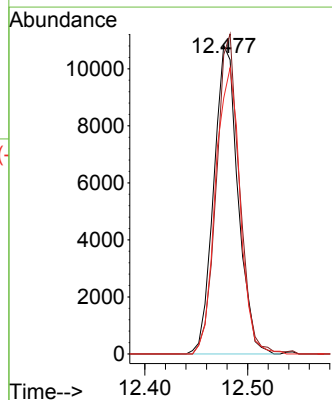
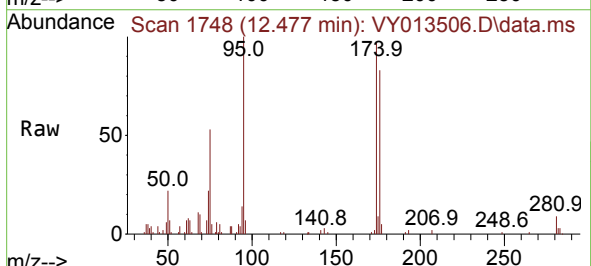
Tgt Ion: 95 Resp: 17709

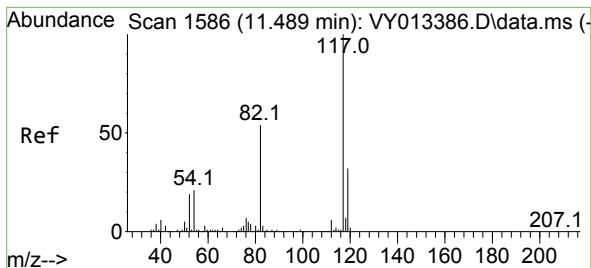
Ion Ratio Lower Upper

95 100

174 99.0 0.0 182.0

176 93.9 0.0 175.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-201

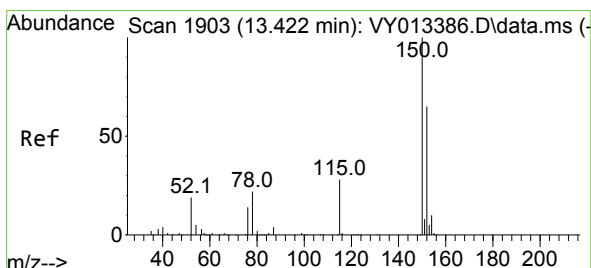
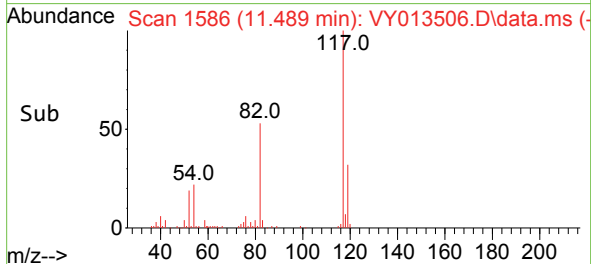
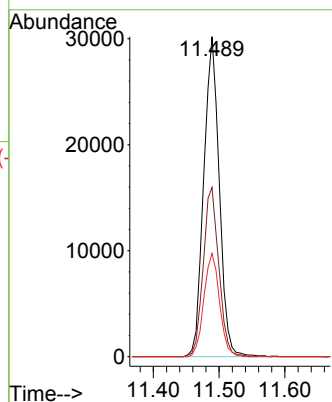
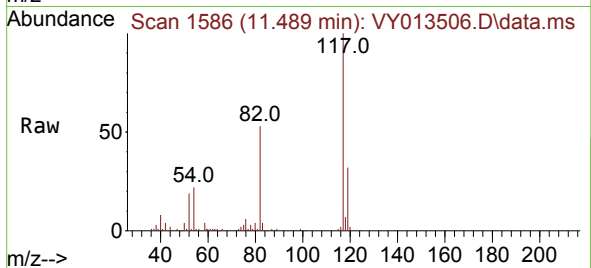
Tgt Ion:117 Resp: 49616

Ion Ratio Lower Upper

117 100

82 52.9 43.0 64.6

119 32.3 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

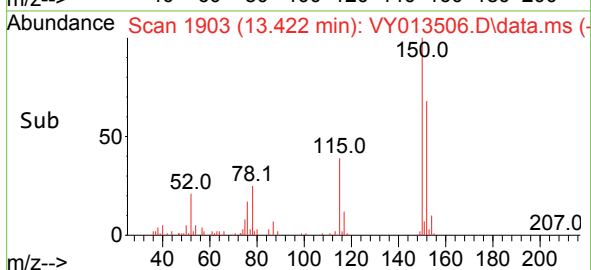
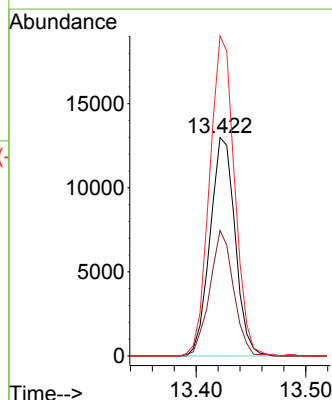
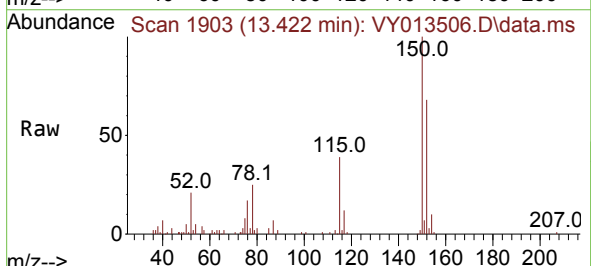
Tgt Ion:152 Resp: 20606

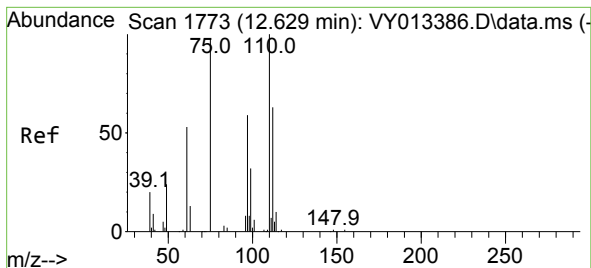
Ion Ratio Lower Upper

152 100

115 54.6 28.1 84.2

150 146.1 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 33.890 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

Instrument :

MSVOA_Y

ClientSampleId :

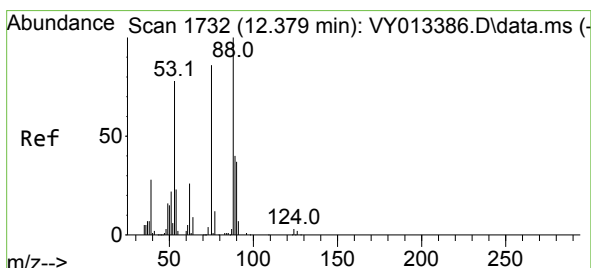
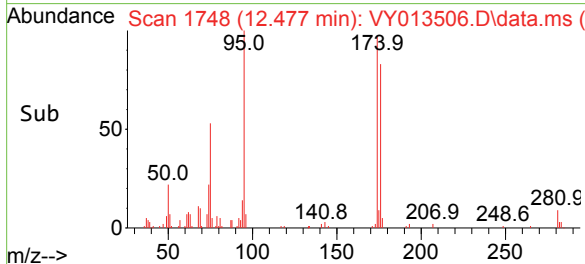
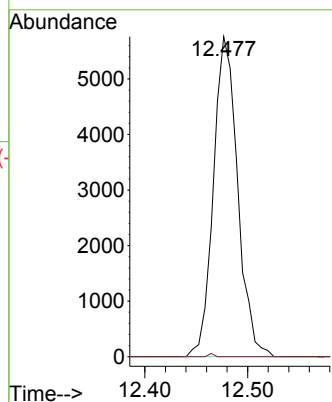
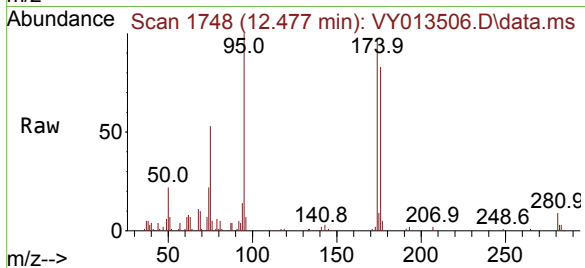
VNJ-201

Tgt Ion: 75 Resp: 9418

Ion Ratio Lower Upper

75 100

77 0.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 69.324 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY013506.D

Acq: 27 Apr 2023 20:47

Tgt Ion: 75 Resp: 9418

Ion Ratio Lower Upper

75 100

53 0.4 73.2 109.8#

89 0.0 38.0 57.0#

