

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012900.D
 Acq On : 09 Mar 2023 15:40
 Operator : KP/MD
 Sample : 01842-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-228

Quant Time: Mar 10 00:31:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

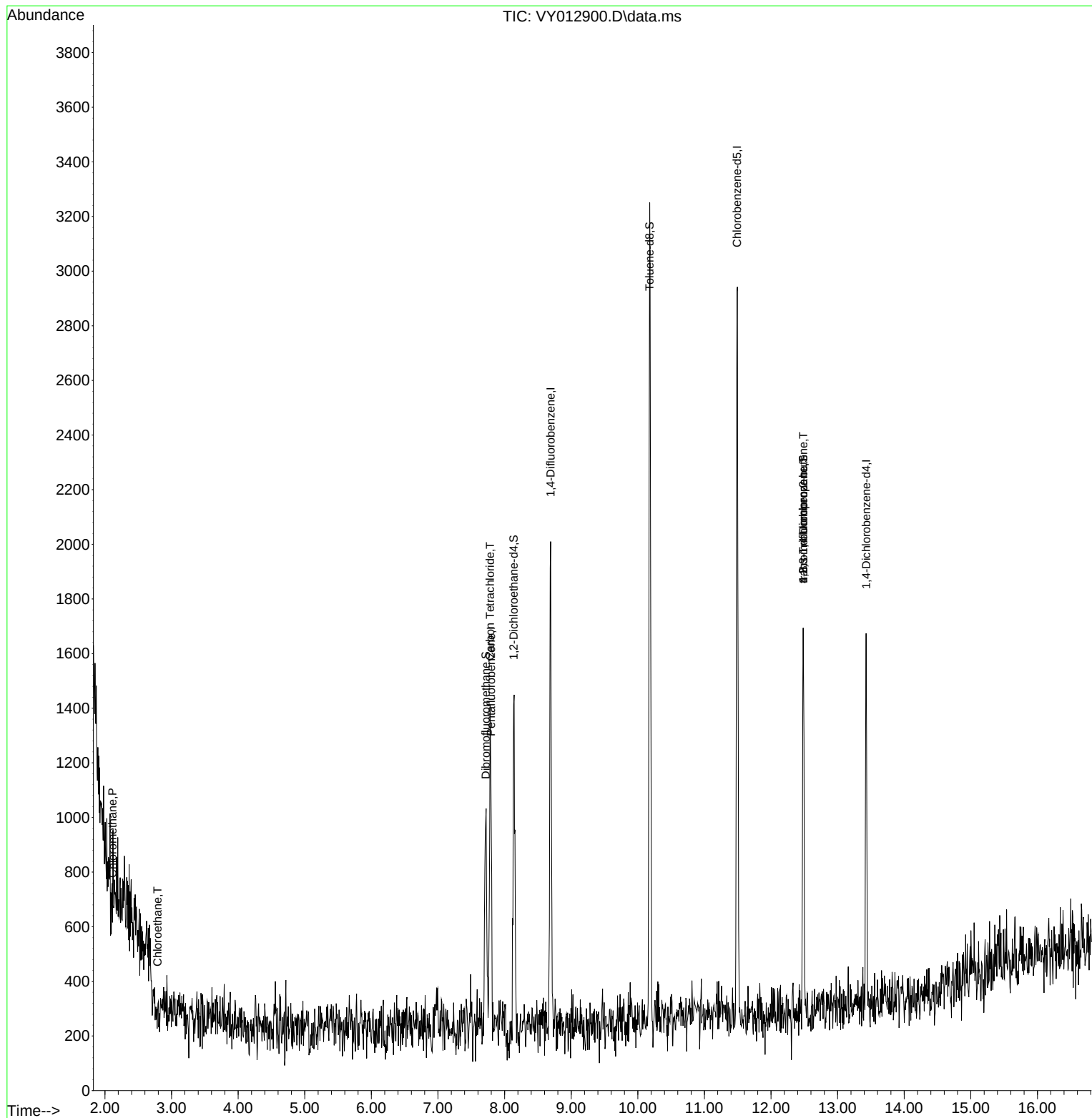
Internal Standards						
1) Pentafluorobenzene	7.795	168	1258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	1825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	1803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	387	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1010	80.863	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 161.720%	
35) Dibromofluoromethane	7.716	113	682	61.922	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 123.840%	
50) Toluene-d8	10.179	98	2250	55.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 111.760%	
62) 4-Bromofluorobenzene	12.483	95	611	44.959	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 89.920%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	103	6.948	ug/l #	42
6) Chloroethane	2.790	64	20	2.457	ug/l #	43
20) Methylene Chloride	4.716	84	51	Below Cal	#	26
38) Carbon Tetrachloride	7.783	117	45	2.361	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	269	58.207	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	269	120.608	ug/l #	13

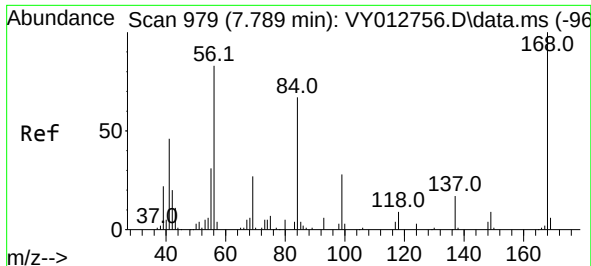
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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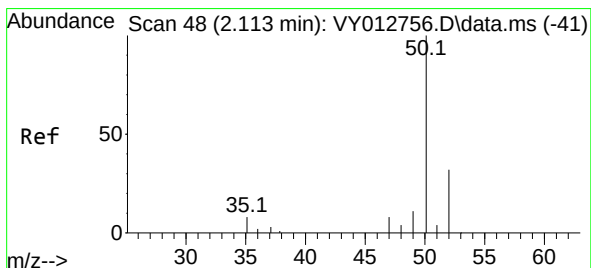
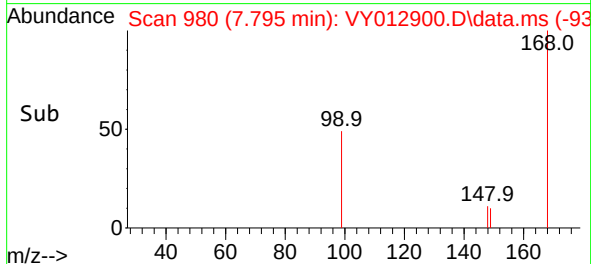
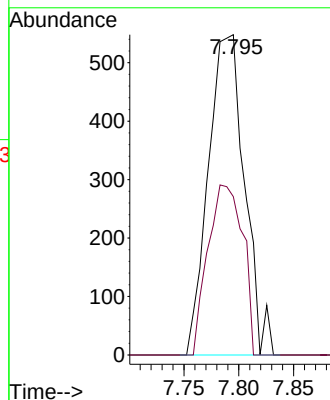
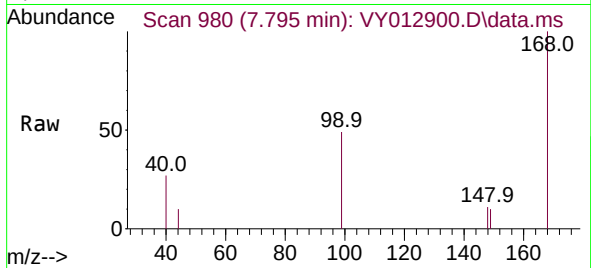




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

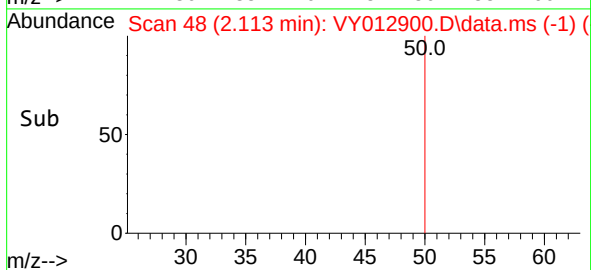
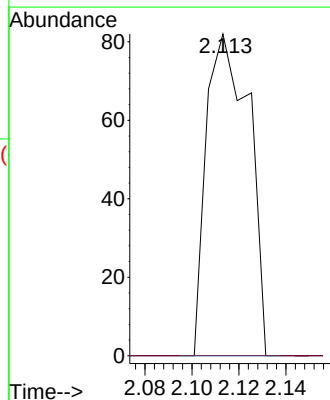
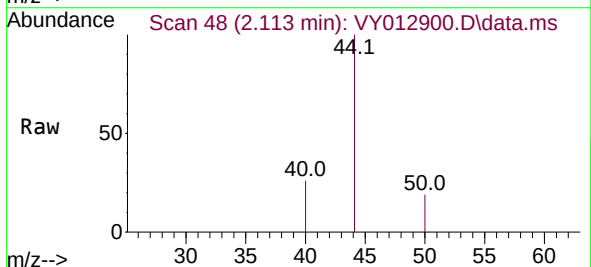
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

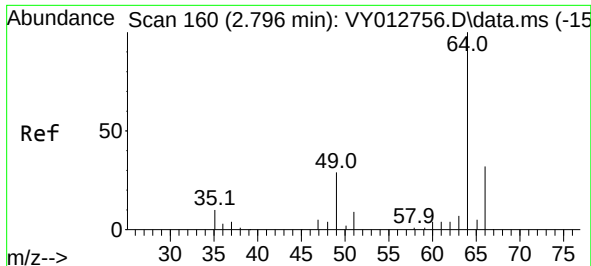
Tgt Ion:168 Resp: 1258
Ion Ratio Lower Upper
168 100
99 49.5 41.7 62.5



#3
Chloromethane
Concen: 6.948 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

Tgt Ion: 50 Resp: 103
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

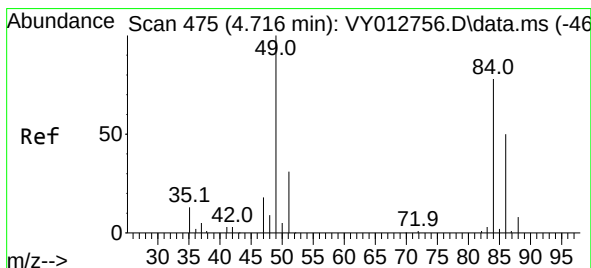
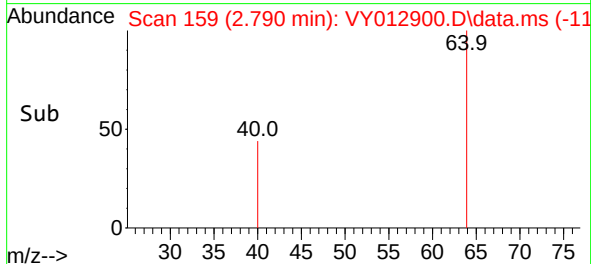
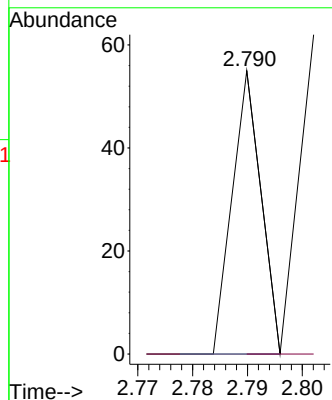
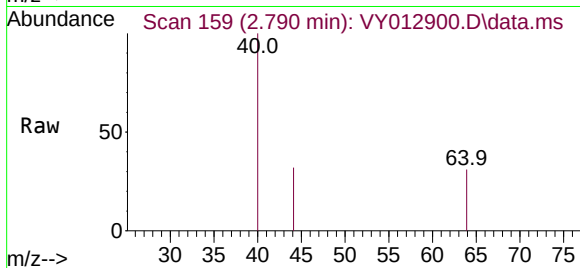




#6
Chloroethane
Concen: 2.457 ug/l
RT: 2.790 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

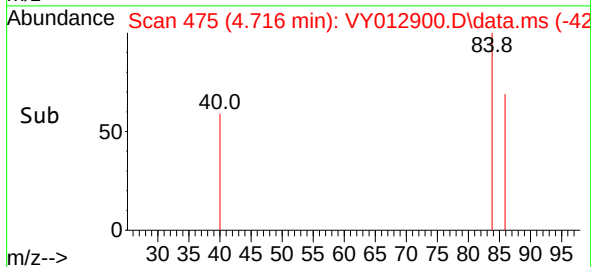
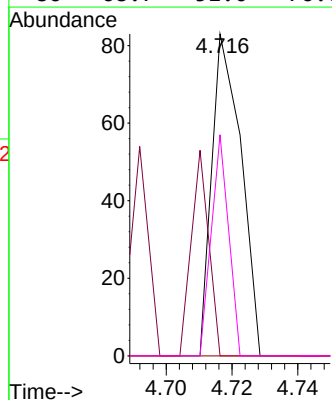
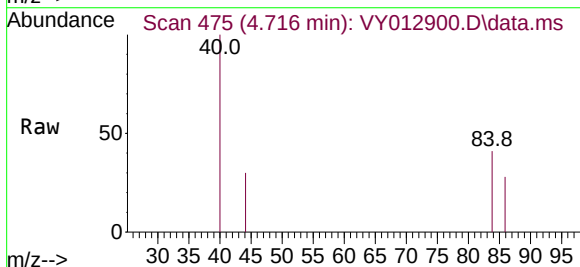
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

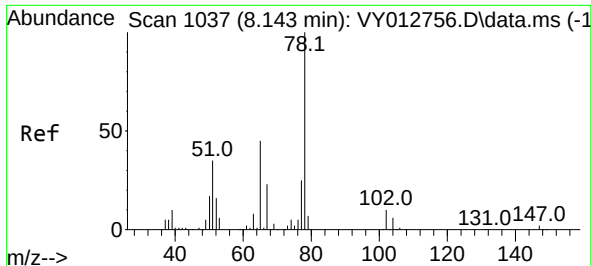
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

Tgt Ion: 84 Resp: 51
Ion Ratio Lower Upper
84 100
49 0.0 102.6 154.0#
51 0.0 31.9 47.9#
86 68.7 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 80.863 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

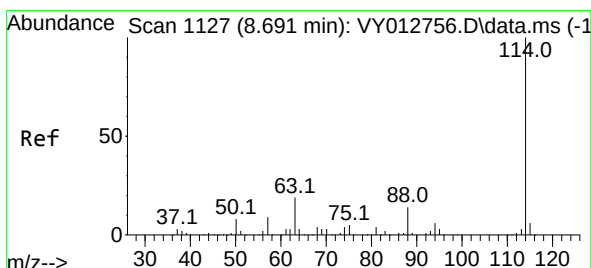
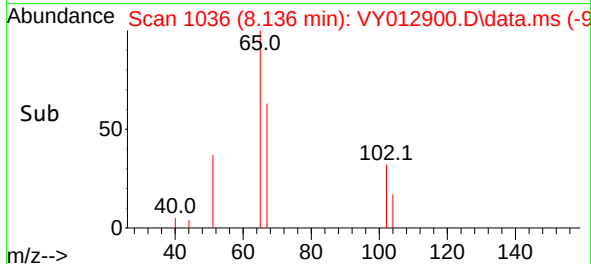
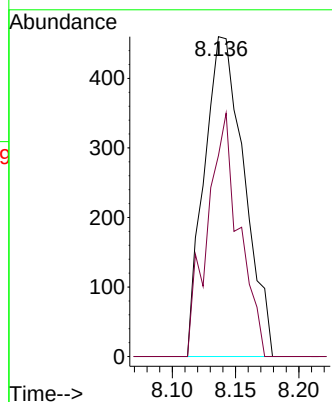
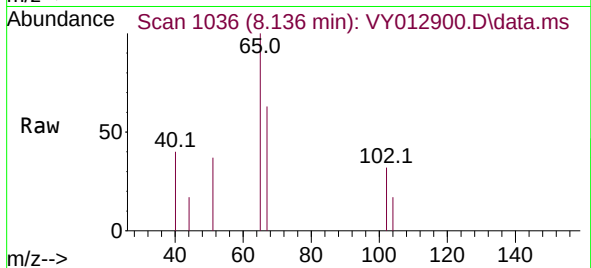
VNJ-228

Tgt Ion: 65 Resp: 1010

Ion Ratio Lower Upper

65 100

67 60.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

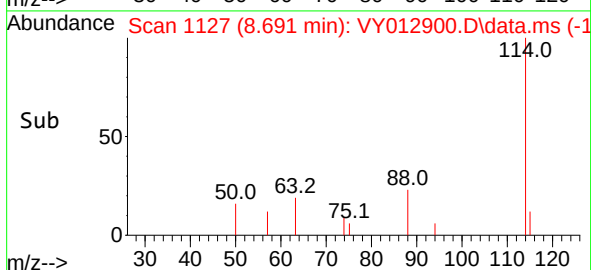
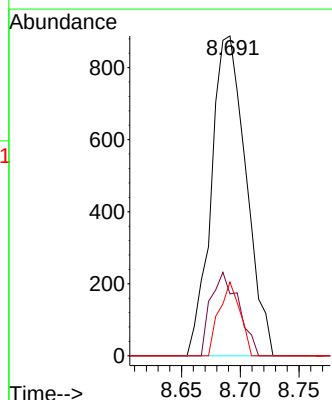
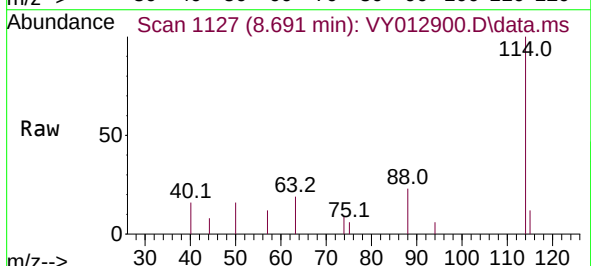
Tgt Ion: 114 Resp: 1825

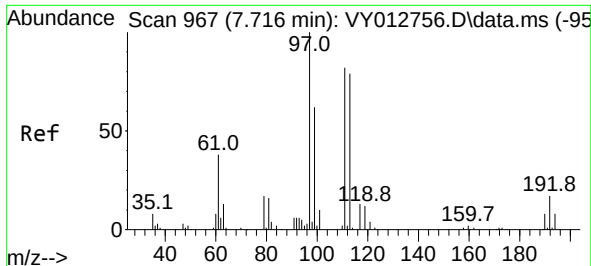
Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 23.1 0.0 28.6

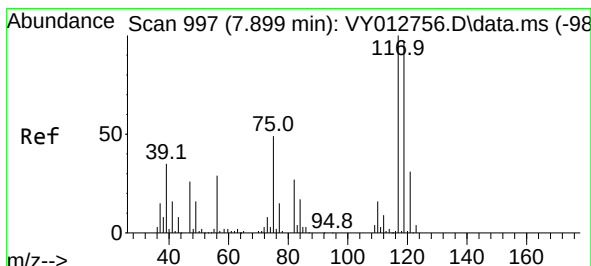
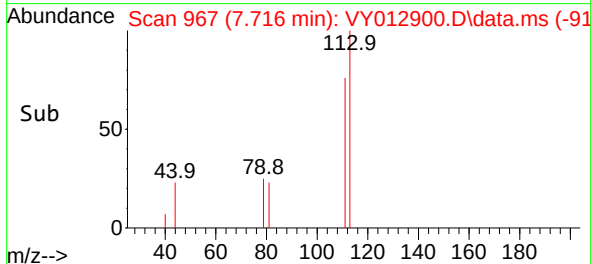
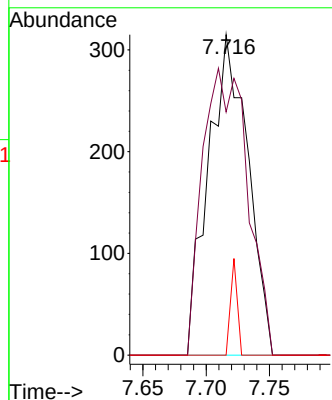
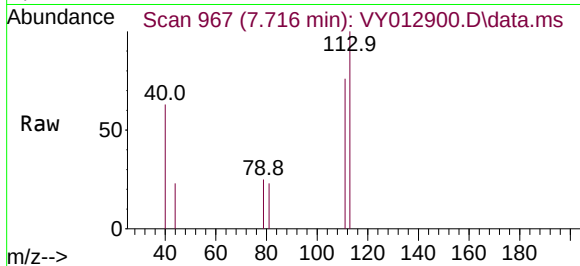




#35
Dibromofluoromethane
Concen: 61.922 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

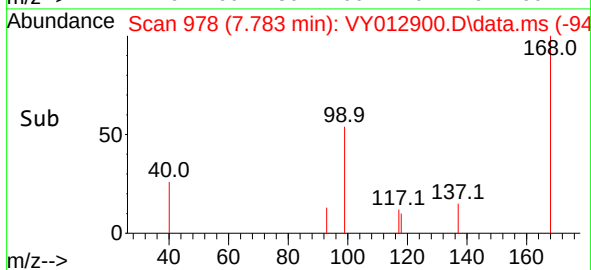
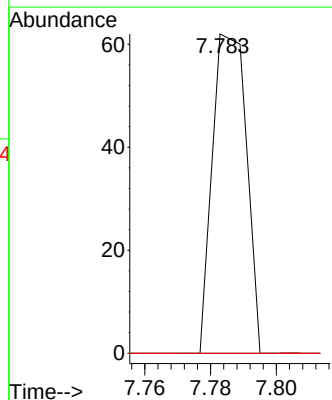
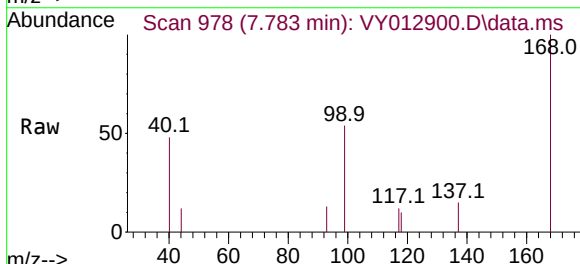
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

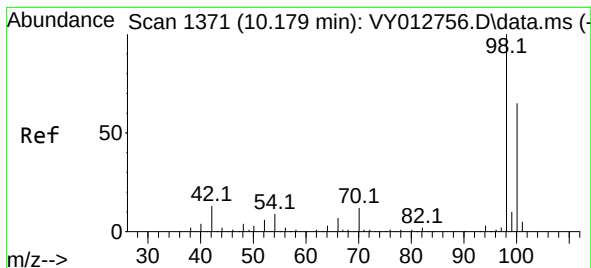
Tgt Ion:113 Resp: 682
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 5.1 16.8 25.2#



#38
Carbon Tetrachloride
Concen: 2.361 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

Tgt Ion:117 Resp: 45
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.881 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

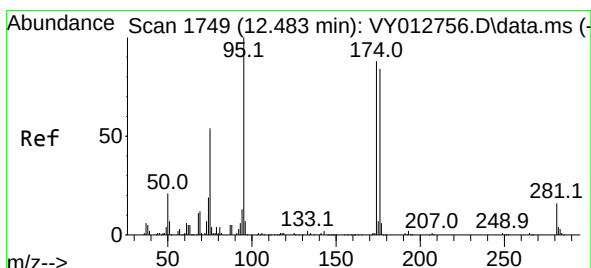
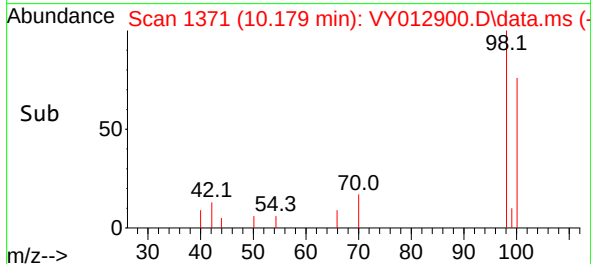
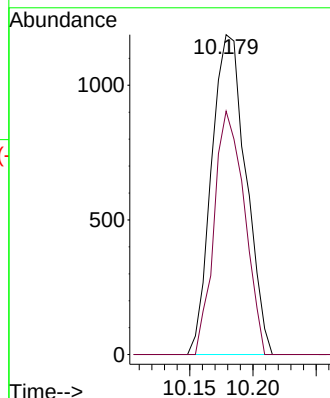
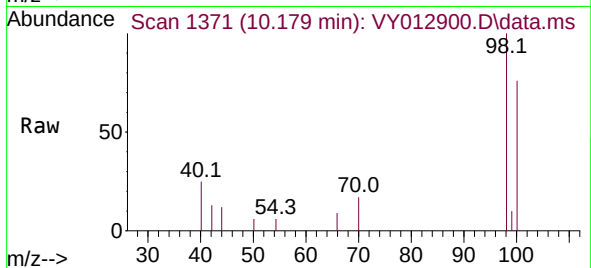
VNJ-228

Tgt Ion: 98 Resp: 2250

Ion Ratio Lower Upper

98 100

100 66.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 44.959 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

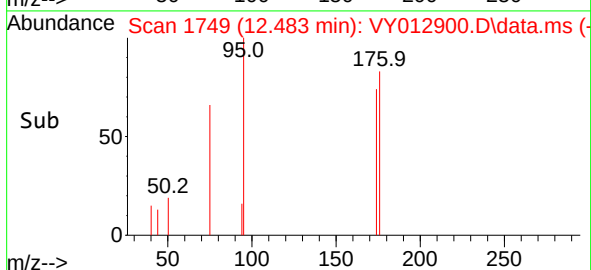
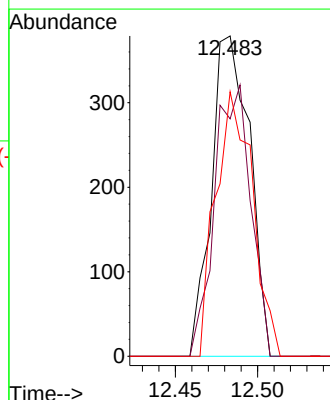
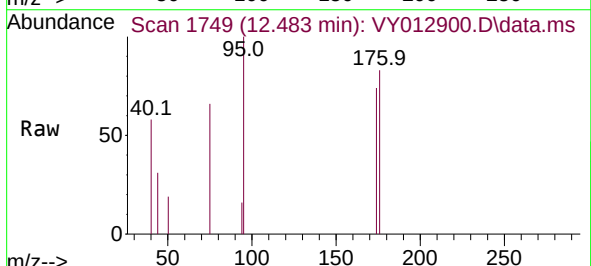
Tgt Ion: 95 Resp: 611

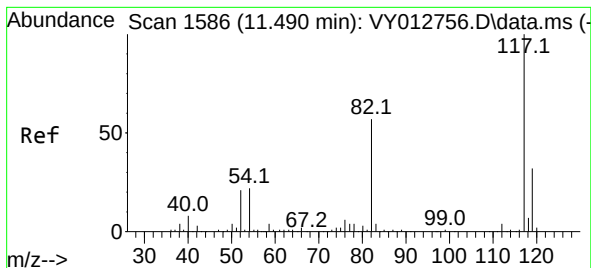
Ion Ratio Lower Upper

95 100

174 80.4 0.0 176.6

176 79.9 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-228

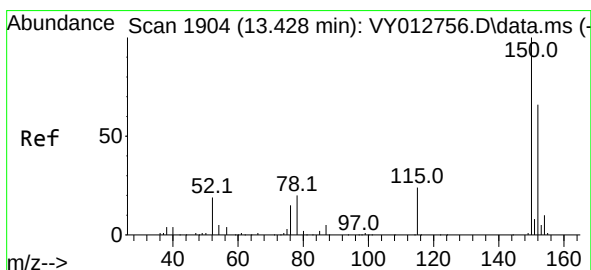
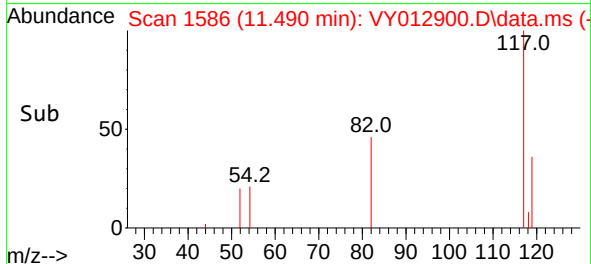
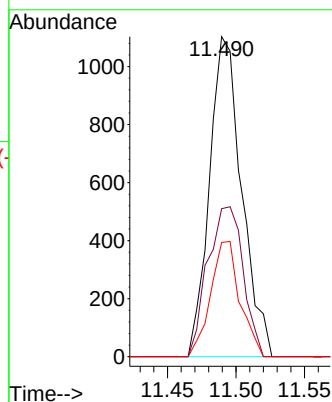
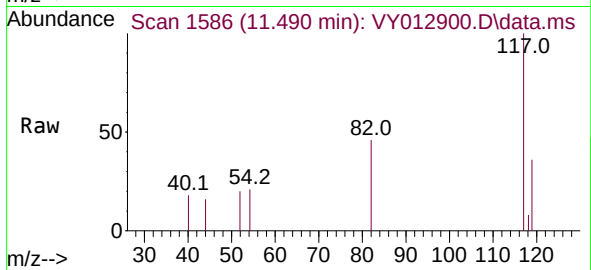
Tgt Ion:117 Resp: 1803

Ion Ratio Lower Upper

117 100

82 46.2 45.4 68.0

119 35.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012900.D

Acq: 09 Mar 2023 15:40

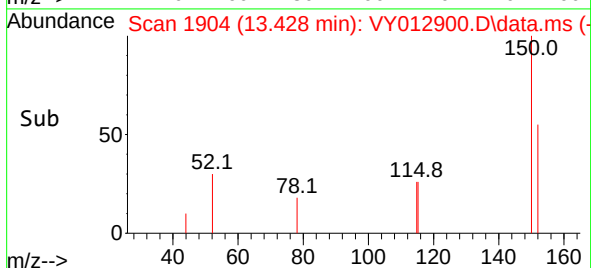
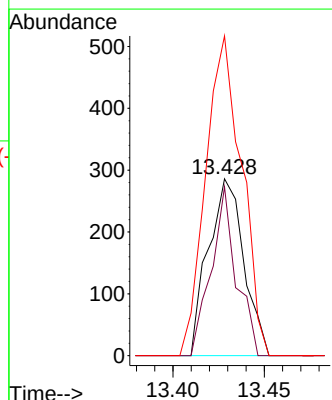
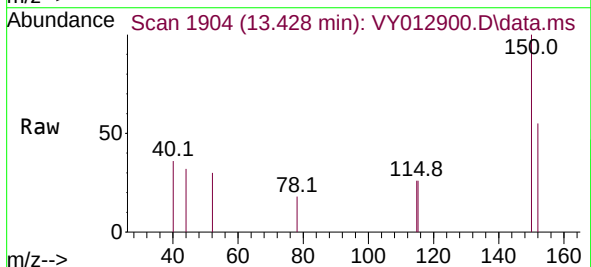
Tgt Ion:152 Resp: 387

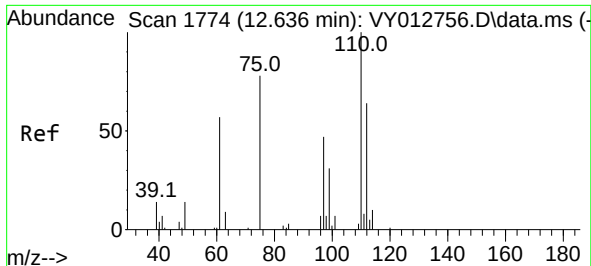
Ion Ratio Lower Upper

152 100

115 67.4 27.1 81.3

150 182.9 0.0 347.8

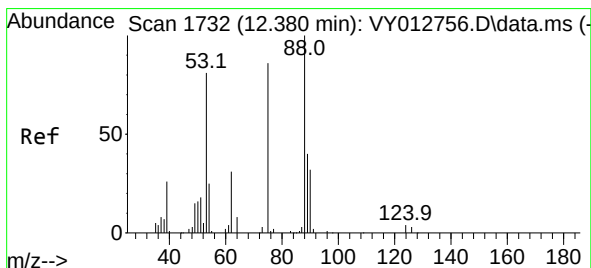
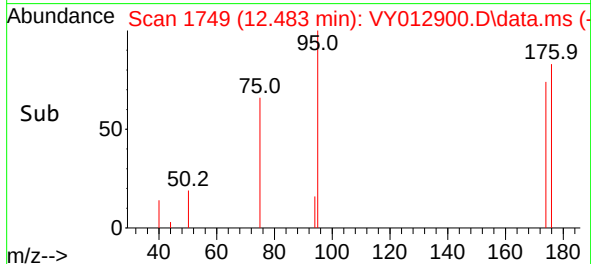
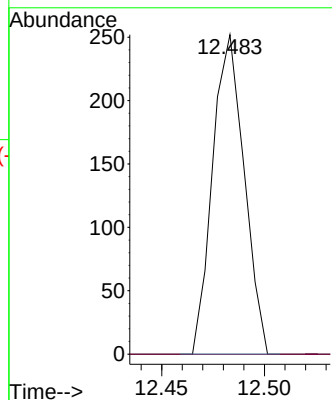
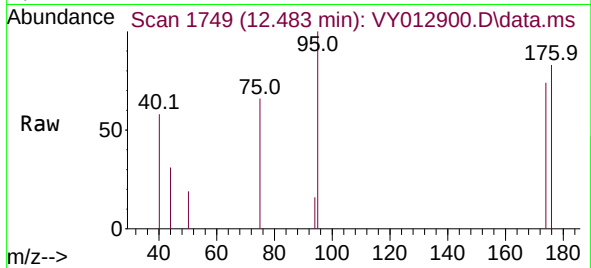




#76
1,2,3-Trichloropropane
Concen: 58.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-228

Tgt Ion: 75 Resp: 269
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 120.608 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012900.D
Acq: 09 Mar 2023 15:40

Tgt Ion: 75 Resp: 269
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

