

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051023\
 Data File : VY013682.D
 Acq On : 10 May 2023 12:59
 Operator : KP/MD
 Sample : 02681-01RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207RE

Quant Time: May 11 03:25:45 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

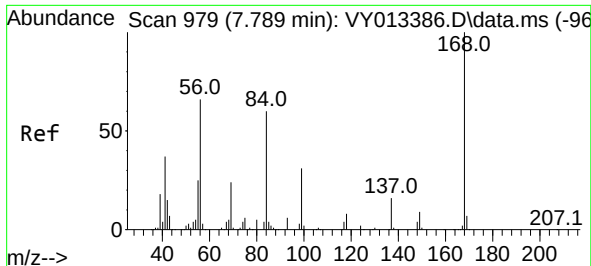
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	87547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	136059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	125454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	50956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54819	57.120	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.240%			
35) Dibromofluoromethane	7.716	113	46545	54.391	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.780%			
50) Toluene-d8	10.179	98	163173	53.600	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.200%			
62) 4-Bromofluorobenzene	12.483	95	47503	46.286	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 92.580%			
Target Compounds						
13) Acrolein	3.698	56	43	Below Cal	#	16
20) Methylene Chloride	4.723	84	6084	Below Cal		92
31) Cyclohexane	7.789	56	2119	1.233	ug/l #	13
36) 1,1-Dichloropropene	7.789	75	6473	4.558	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8638	5.803	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	24423	35.540	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24423	72.698	ug/l #	13

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

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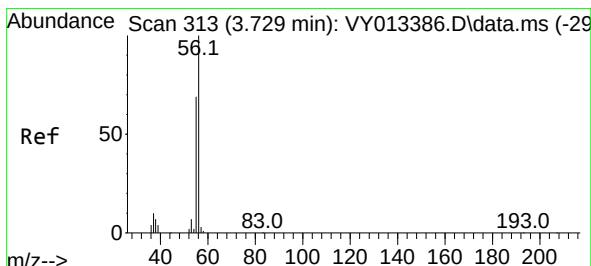
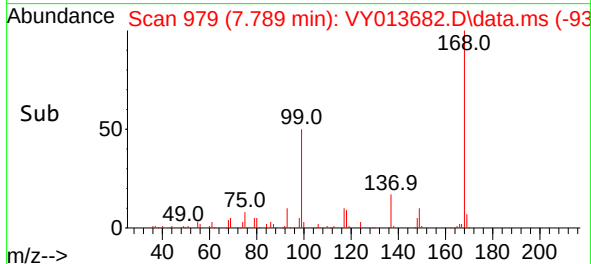
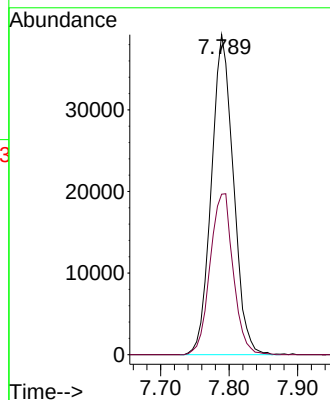
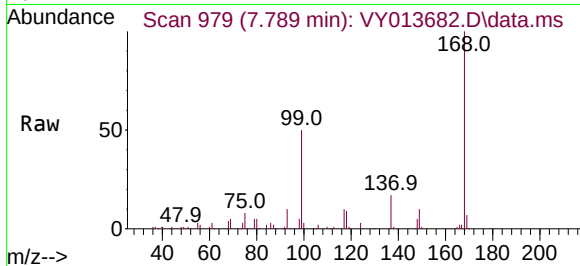




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

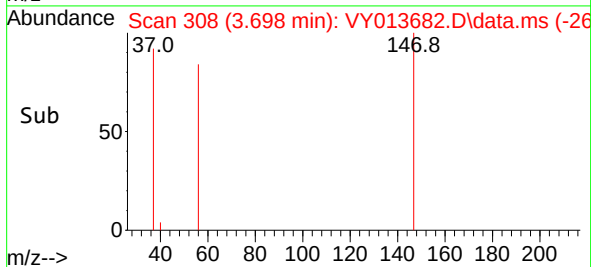
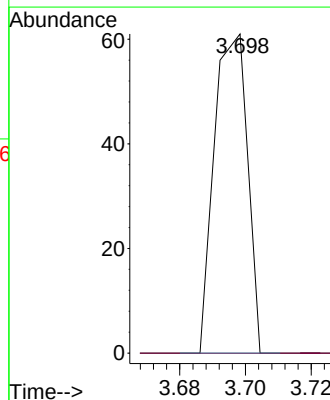
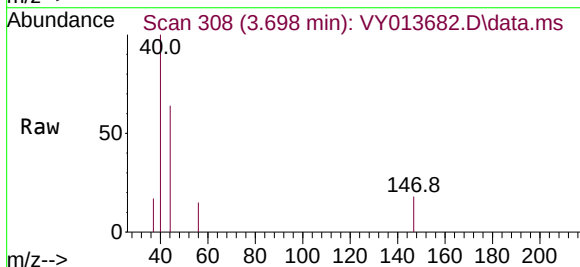
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207RE

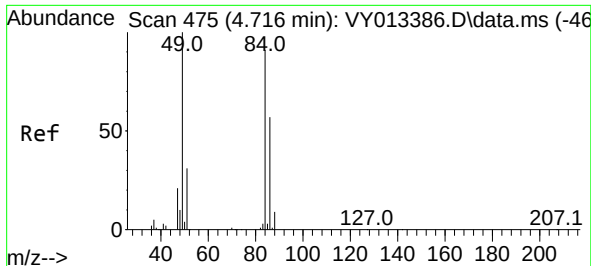
Tgt Ion:168 Resp: 87547
Ion Ratio Lower Upper
168 100
99 50.2 41.8 62.6



#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

Tgt Ion: 56 Resp: 43
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#

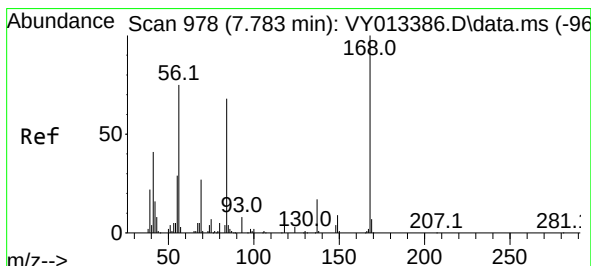
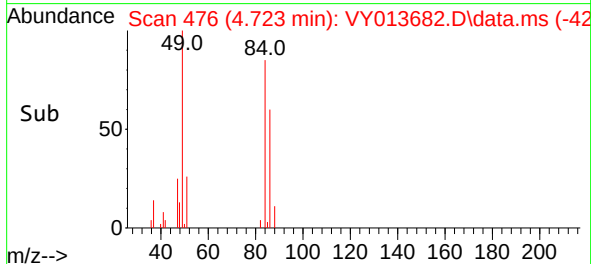
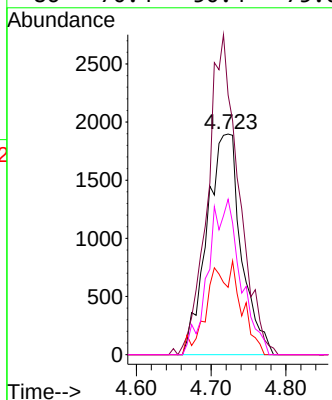
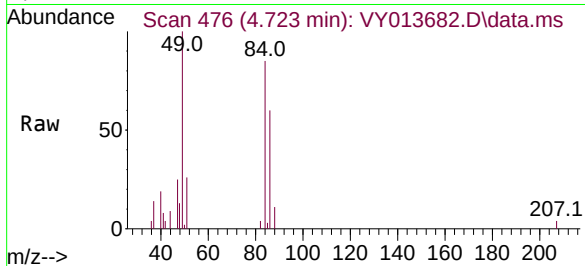




#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

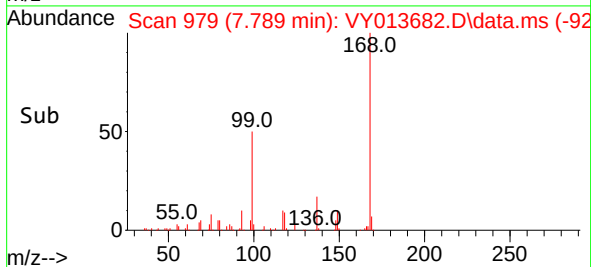
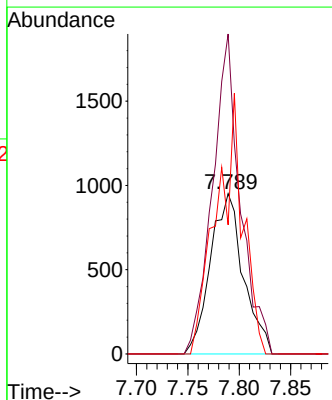
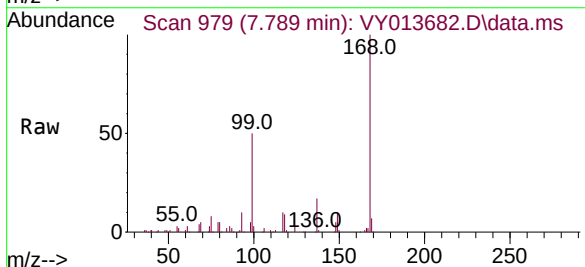
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-207RE

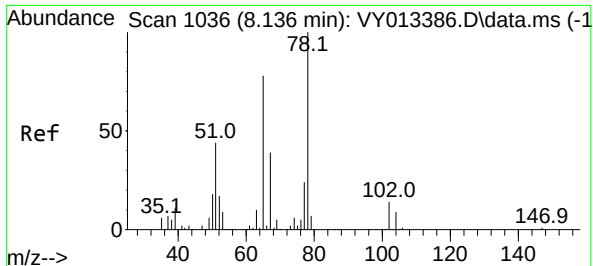
Tgt Ion:	84	Resp:	6084
Ion	Ratio	Lower	Upper
84	100		
49	117.7	88.0	132.0
51	30.5	27.4	41.0
86	70.4	50.4	75.6



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

Tgt Ion:	56	Resp:	2119
Ion	Ratio	Lower	Upper
56	100		
69	199.7	29.2	43.8
84	80.5	73.0	109.6





#33

1,2-Dichloroethane-d4

Concen: 57.120 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.007 min

Lab File: VY013682.D

Acq: 10 May 2023 12:59

Instrument :

MSVOA_Y

ClientSampleId :

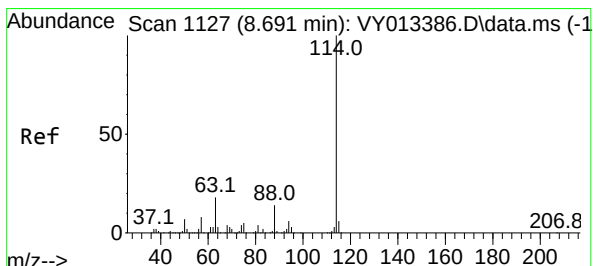
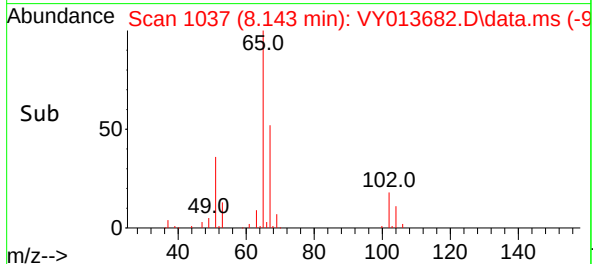
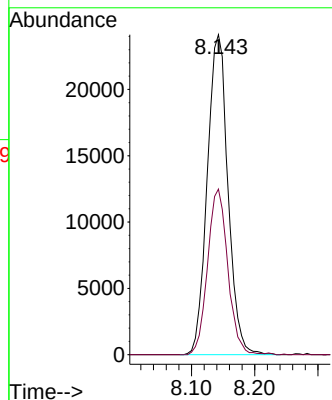
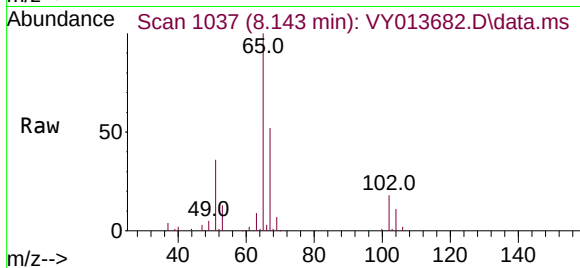
VNJ-207RE

Tgt Ion: 65 Resp: 54819

Ion Ratio Lower Upper

65 100

67 50.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY013682.D

Acq: 10 May 2023 12:59

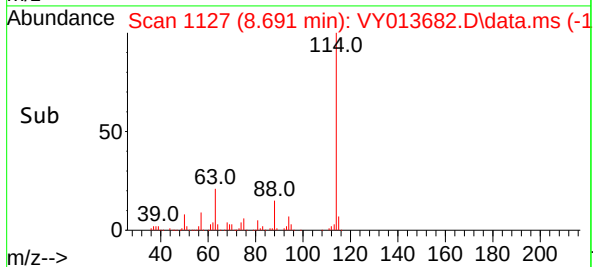
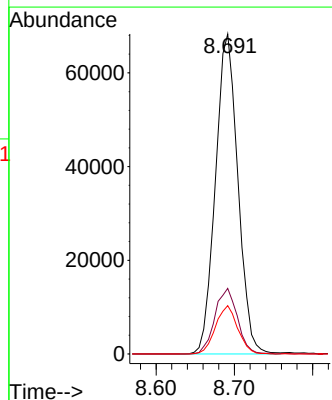
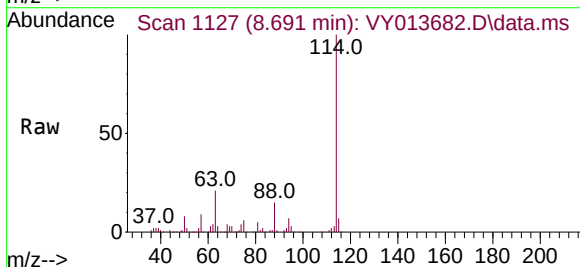
Tgt Ion: 114 Resp: 136059

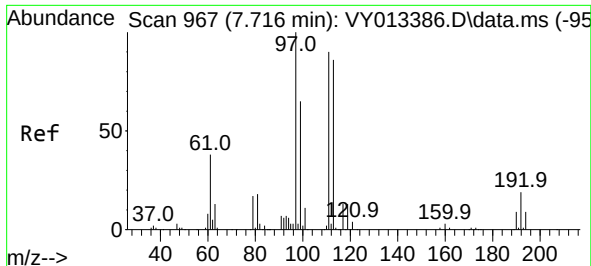
Ion Ratio Lower Upper

114 100

63 20.5 0.0 36.6

88 15.1 0.0 28.8

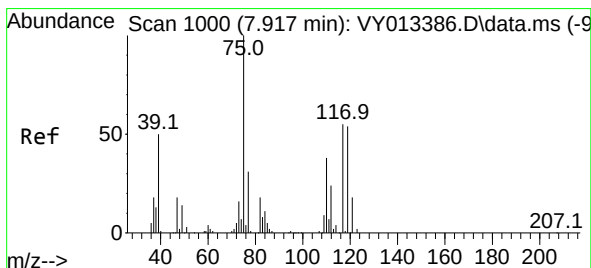
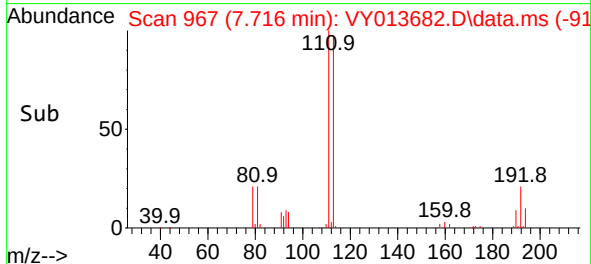
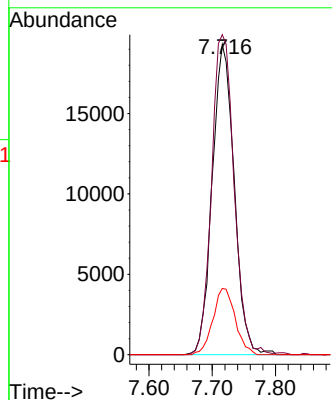
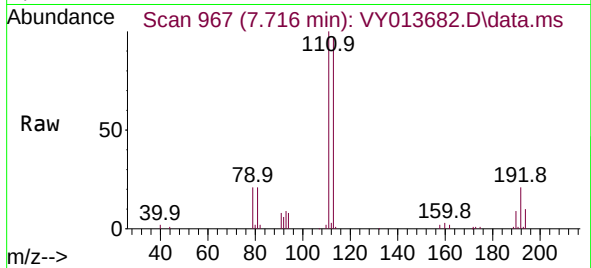




#35
Dibromofluoromethane
Concen: 54.391 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

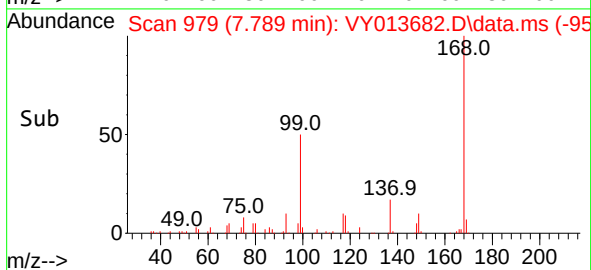
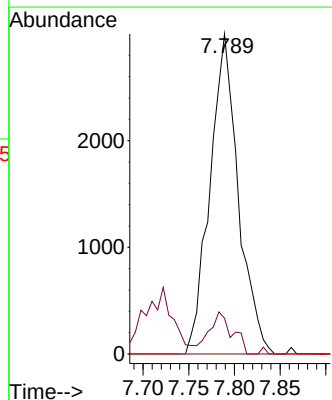
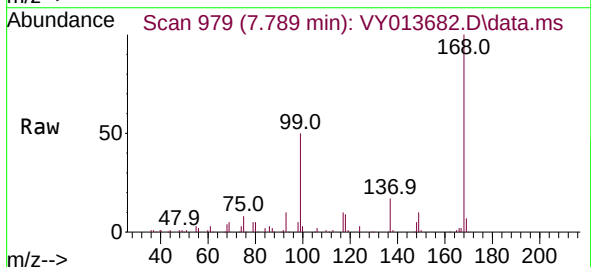
Instrument :
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ClientSampleId :
VNJ-207RE

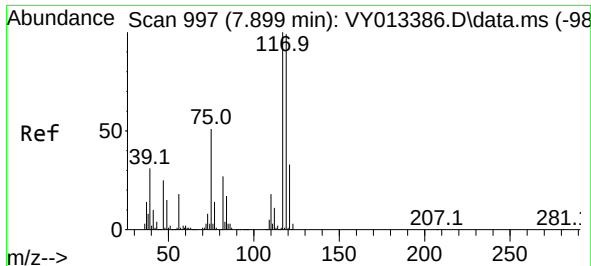
Tgt Ion:113 Resp: 46545
Ion Ratio Lower Upper
113 100
111 105.2 82.2 123.2
192 21.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.558 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

Tgt Ion: 75 Resp: 6473
Ion Ratio Lower Upper
75 100
110 10.6 18.7 56.1#
77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.803 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY013682.D

Acq: 10 May 2023 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207RE

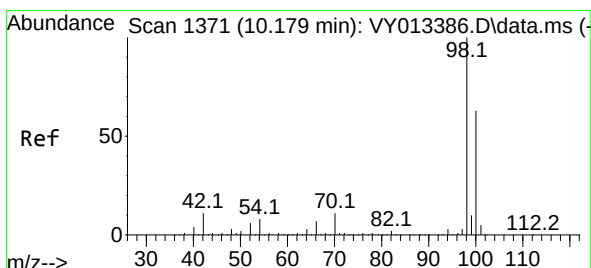
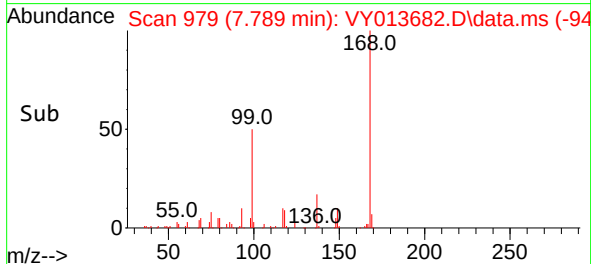
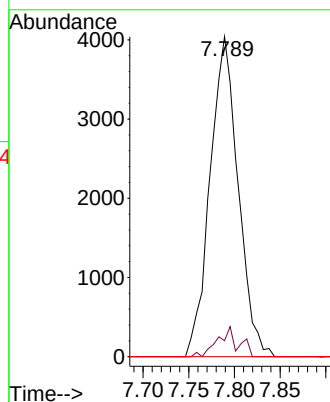
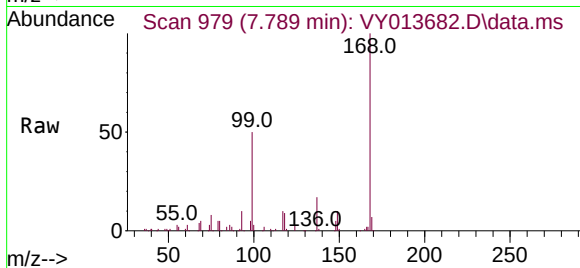
Tgt Ion:117 Resp: 8638

Ion Ratio Lower Upper

117 100

119 5.0 79.0 118.6#

121 0.0 26.6 40.0#



#50

Toluene-d8

Concen: 53.600 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013682.D

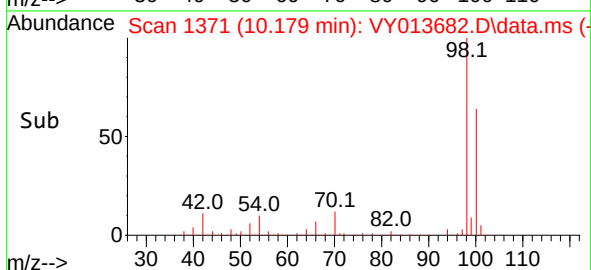
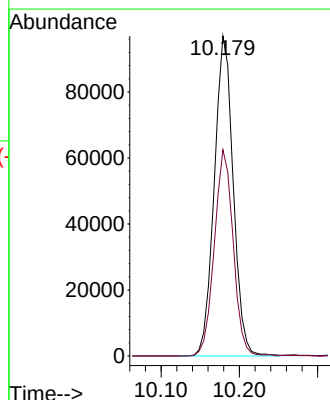
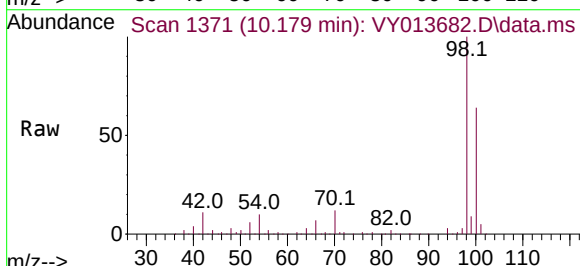
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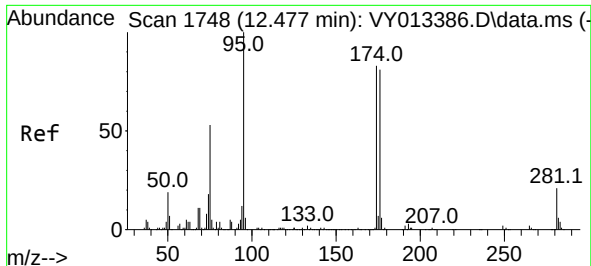
Tgt Ion: 98 Resp: 163173

Ion Ratio Lower Upper

98 100

100 64.0 50.5 75.7

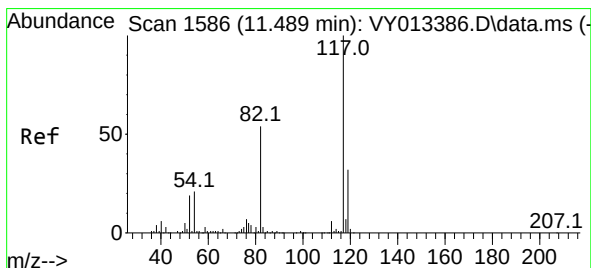
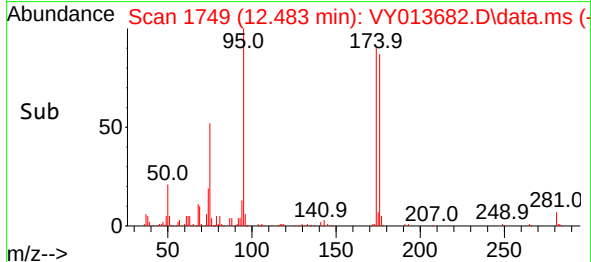
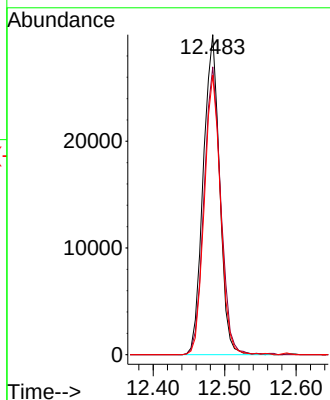
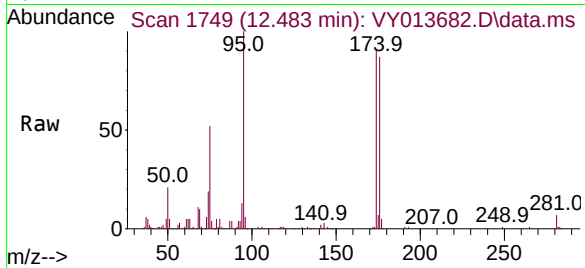




#62
4-Bromofluorobenzene
Concen: 46.286 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

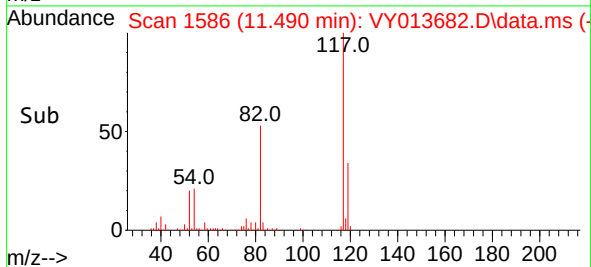
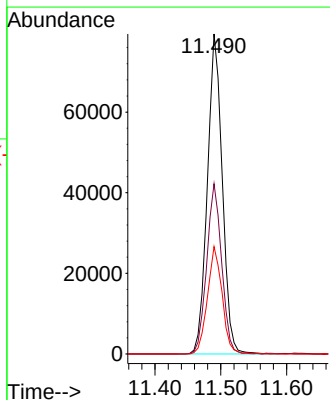
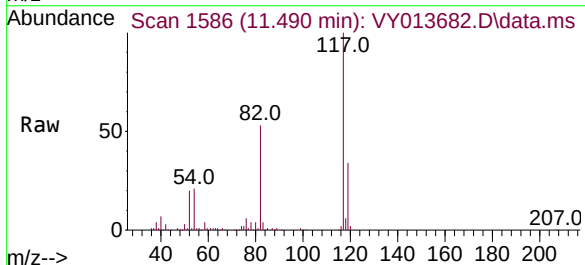
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VNJ-207RE

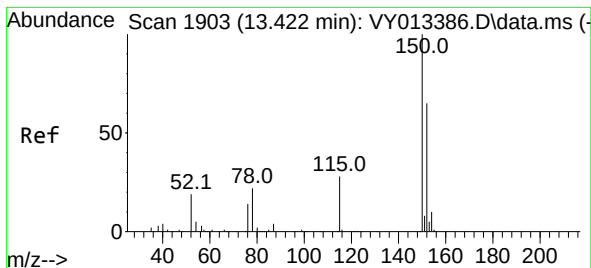
Tgt Ion: 95 Resp: 47503
Ion Ratio Lower Upper
95 100
174 92.6 0.0 182.0
176 86.9 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY013682.D
Acq: 10 May 2023 12:59

Tgt Ion: 117 Resp: 125454
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.6
119 33.6 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: VY013682.D

Acq: 10 May 2023 12:59

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-207RE

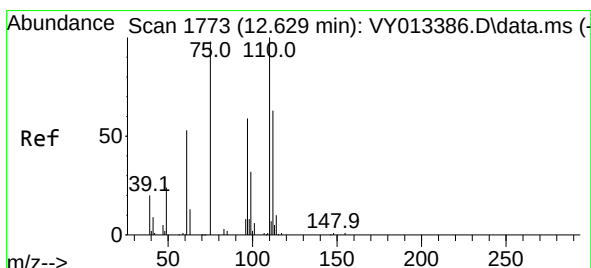
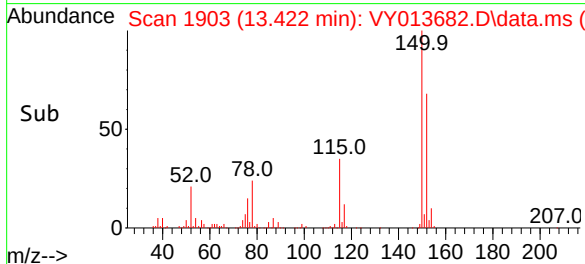
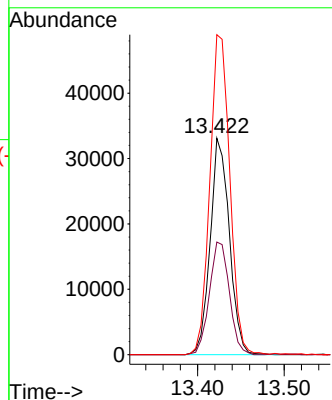
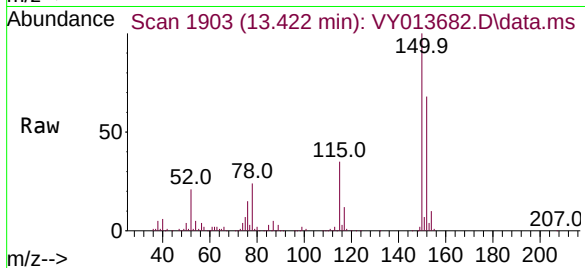
Tgt Ion:152 Resp: 50956

Ion Ratio Lower Upper

152 100

115 54.1 28.1 84.2

150 153.8 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 35.540 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013682.D

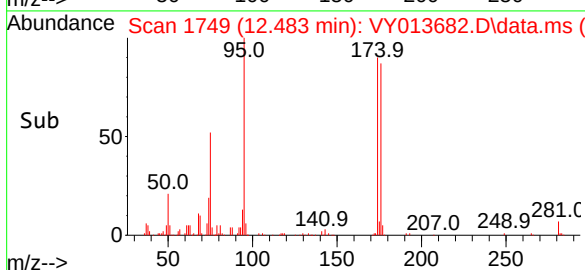
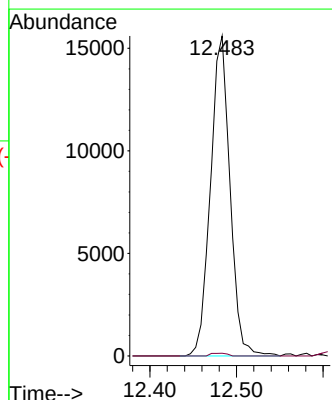
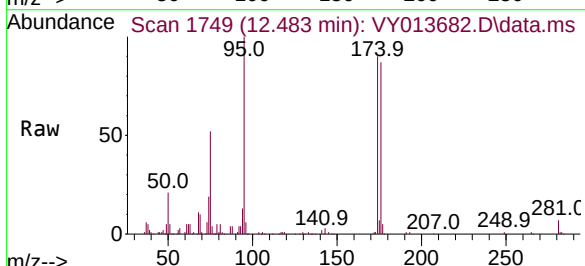
Acq: 10 May 2023 12:59

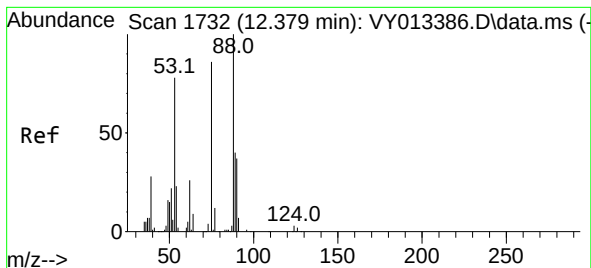
Tgt Ion: 75 Resp: 24423

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.698 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY013682.D
 Acq: 10 May 2023 12:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-207RE

Tgt Ion: 75 Resp: 24423
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.2 109.8#
 89 0.1 38.0 57.0#

