

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013023\
 Data File : VY012404.D
 Acq On : 30 Jan 2023 17:45
 Operator : KP/MD
 Sample : 01357-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-205RE

Quant Time: Jan 31 01:49:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

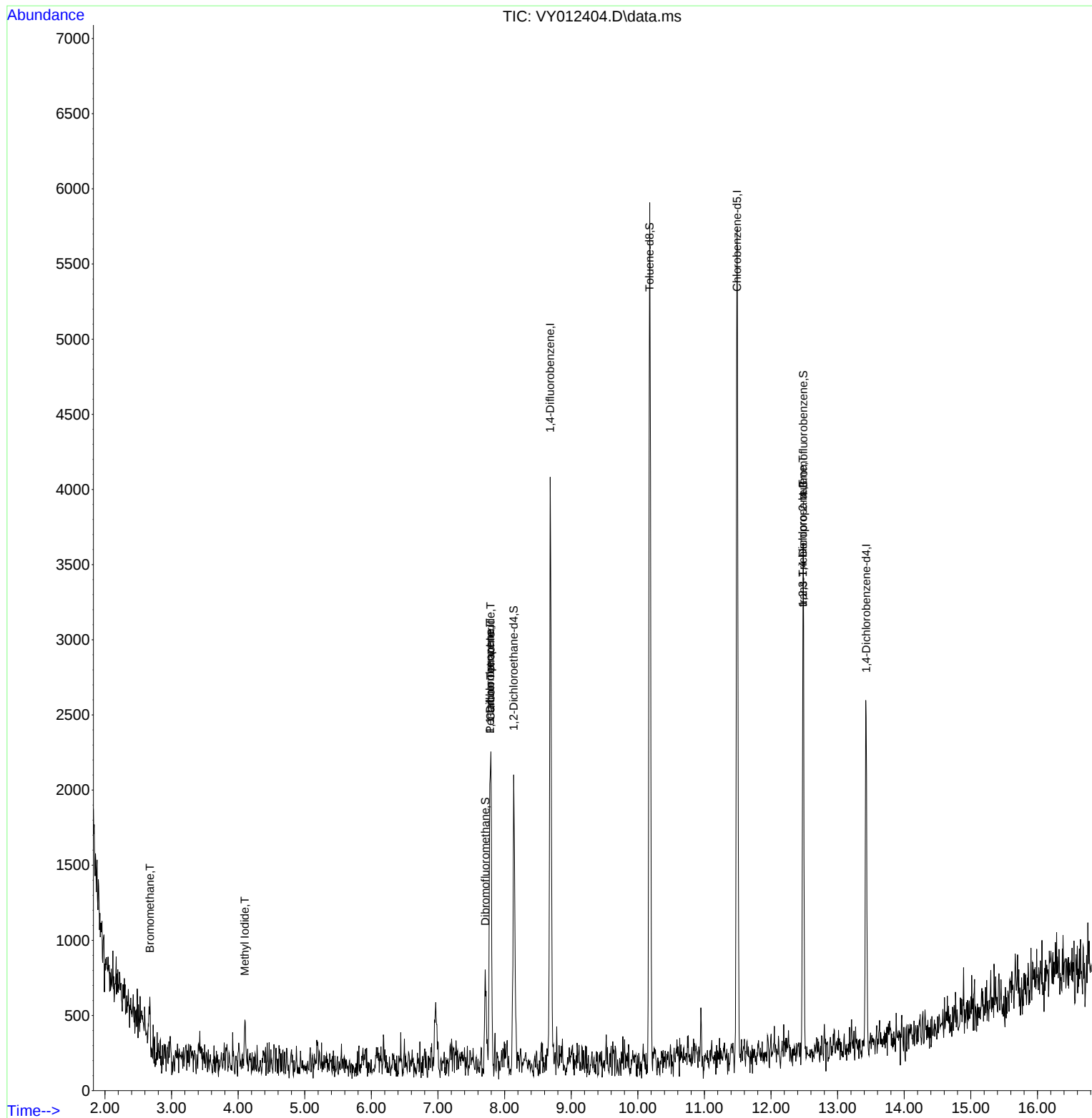
Internal Standards						
1) Pentafluorobenzene	7.783	168	2256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	3958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	3563	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1600	88.598	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.200%#	
35) Dibromofluoromethane	7.709	113	507	24.192	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 48.380%#	
50) Toluene-d8	10.179	98	4523	63.454	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 126.900%	
62) 4-Bromofluorobenzene	12.483	95	1109	37.537	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 75.080%	
Target Compounds						Qvalue
5) Bromomethane	2.674	94	137	8.341	ug/l	100
10) Methyl Iodide	4.100	142	256	8.348	ug/l #	75
20) Methylene Chloride	4.698	84	23	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	90	2.527	ug/l #	41
38) Carbon Tetrachloride	7.789	117	143	3.109	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	551	67.328	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	551	138.724	ug/l #	13

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

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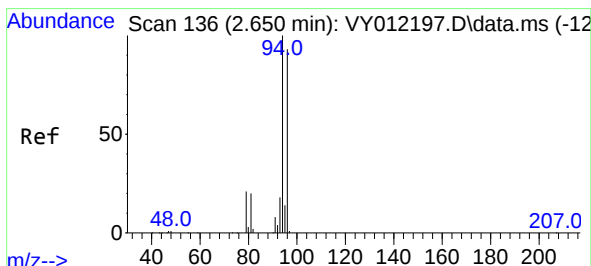
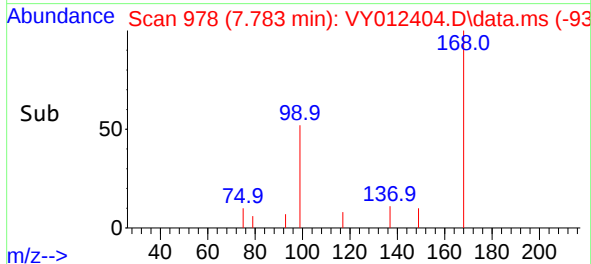
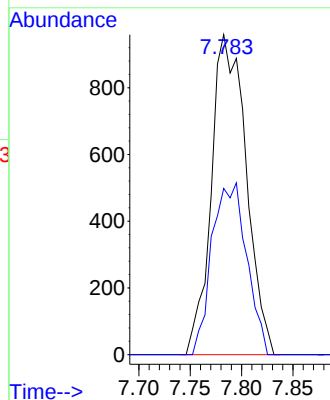
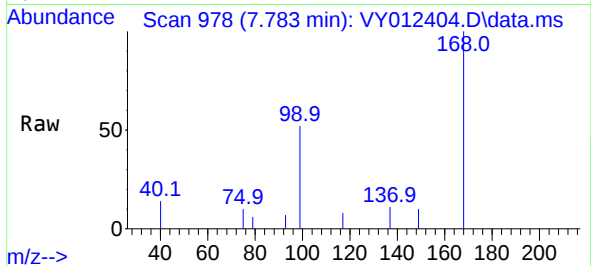




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

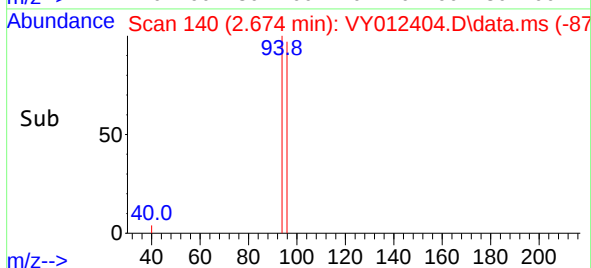
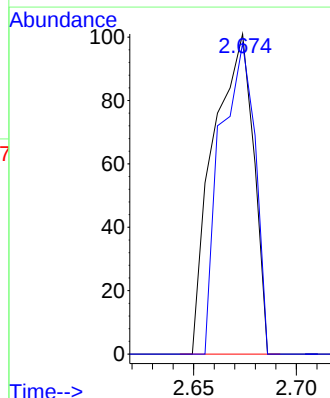
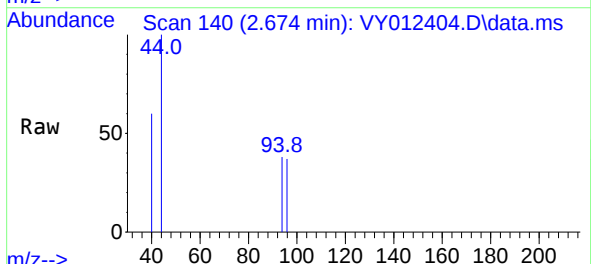
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-205RE

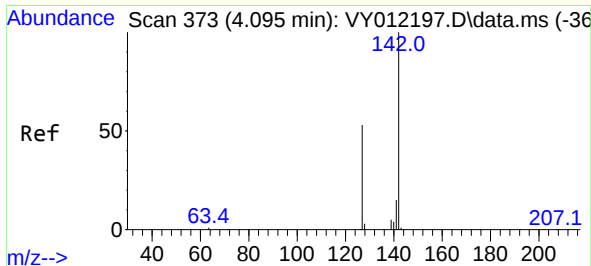
Tgt Ion:168 Resp: 2256
Ion Ratio Lower Upper
168 100
99 51.9 44.0 66.0



#5
Bromomethane
Concen: 8.341 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.024 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

Tgt Ion: 94 Resp: 137
Ion Ratio Lower Upper
94 100
96 97.0 77.4 116.2





#10

Methyl Iodide

Concen: 8.348 ug/l

RT: 4.100 min Scan# 31

Delta R.T. 0.005 min

Lab File: VY012404.D

Acq: 30 Jan 2023 17:45

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-205RE

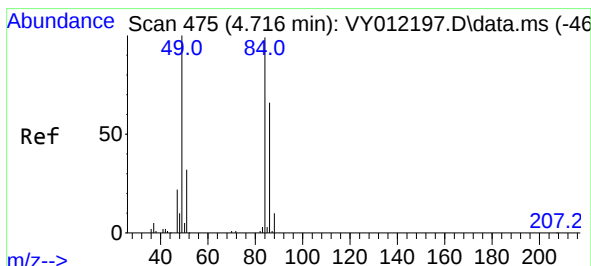
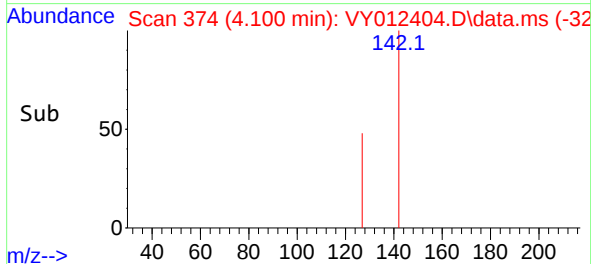
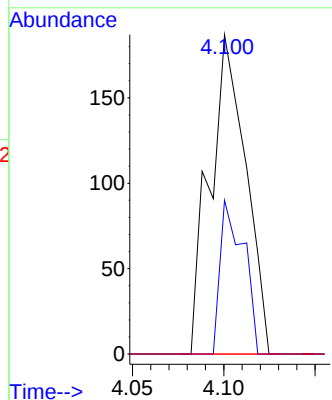
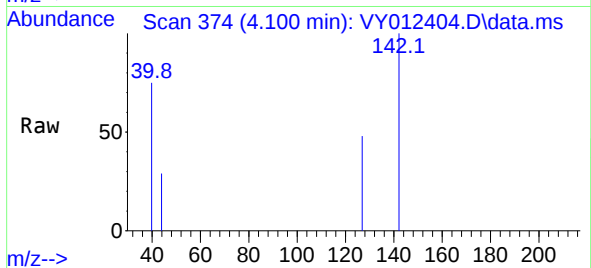
Tgt Ion:142 Resp: 256

Ion Ratio Lower Upper

142 100

127 31.3 37.0 55.4#

141 0.0 11.4 17.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.698 min Scan# 472

Delta R.T. -0.018 min

Lab File: VY012404.D

Acq: 30 Jan 2023 17:45

Tgt Ion: 84 Resp: 23

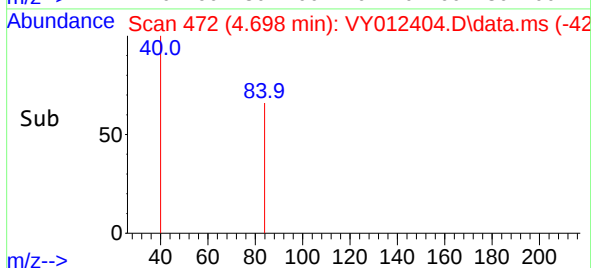
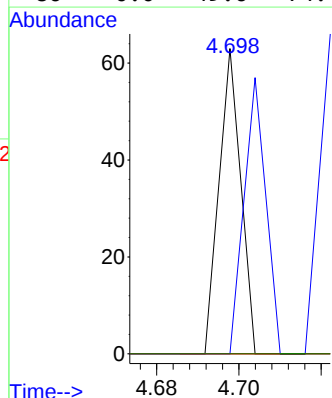
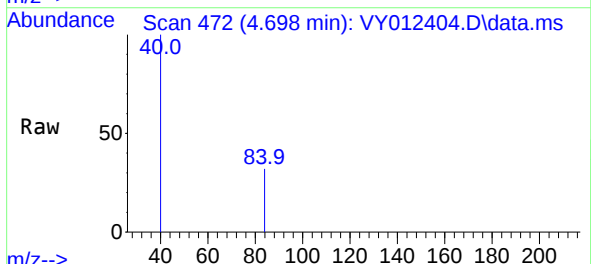
Ion Ratio Lower Upper

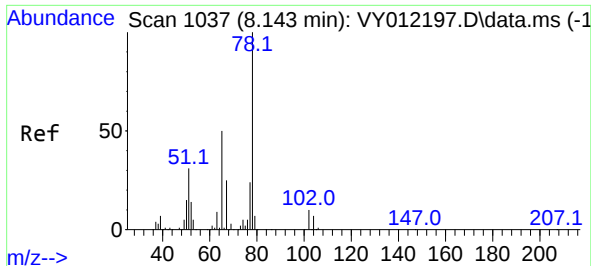
84 100

49 0.0 95.4 143.2#

51 0.0 29.9 44.9#

86 0.0 49.6 74.4#





#33

1,2-Dichloroethane-d4

Concen: 88.598 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012404.D

Acq: 30 Jan 2023 17:45

Instrument :

MSVOA_Y

ClientSampleId :

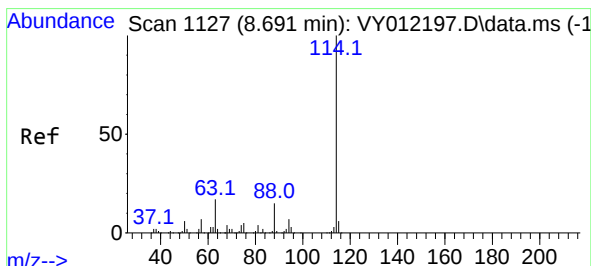
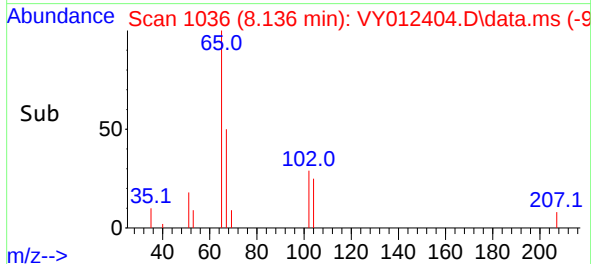
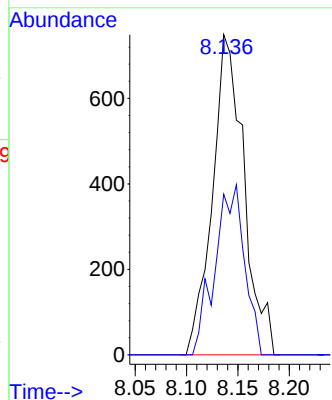
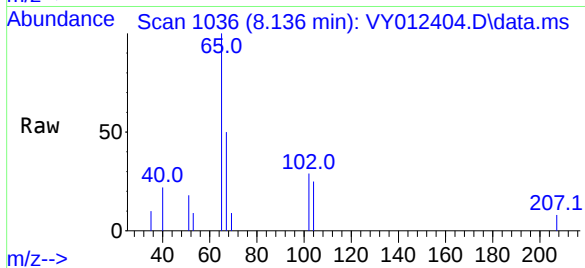
VNJ-205RE

Tgt Ion: 65 Resp: 1600

Ion Ratio Lower Upper

65 100

67 49.9 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012404.D

Acq: 30 Jan 2023 17:45

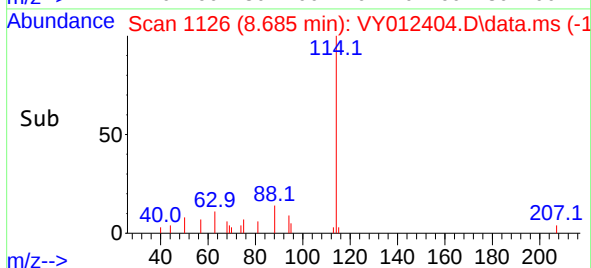
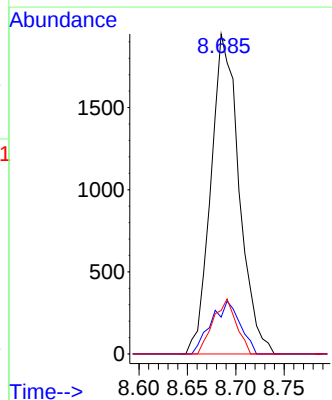
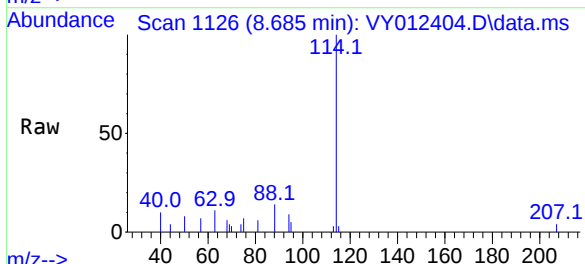
Tgt Ion: 114 Resp: 3958

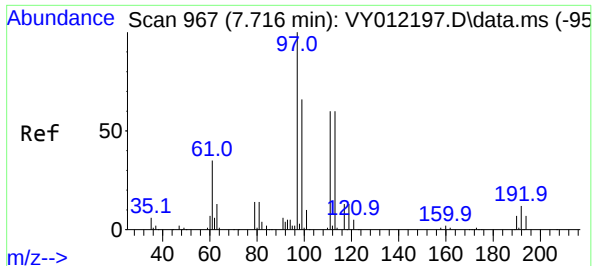
Ion Ratio Lower Upper

114 100

63 11.5 0.0 39.6

88 13.6 0.0 32.2

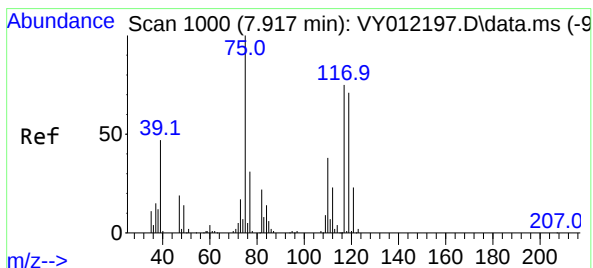
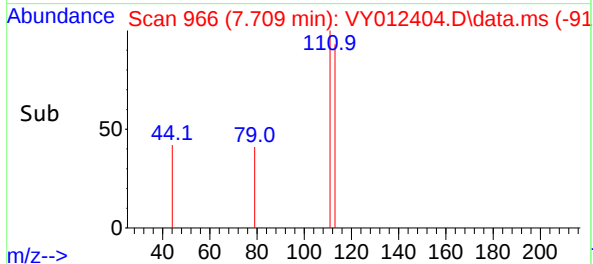
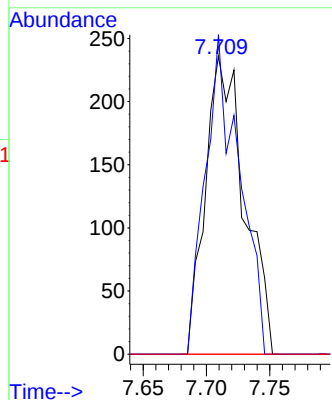
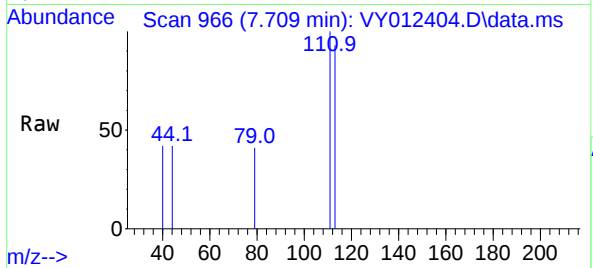




#35
Dibromofluoromethane
Concen: 24.192 ug/l
RT: 7.709 min Scan# 910
Delta R.T. -0.007 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

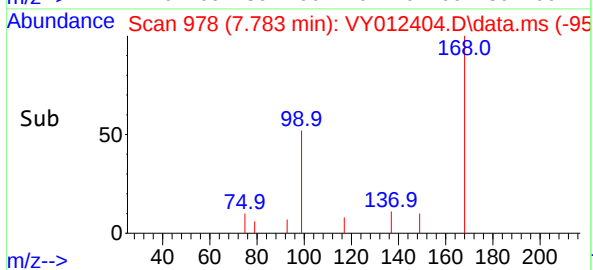
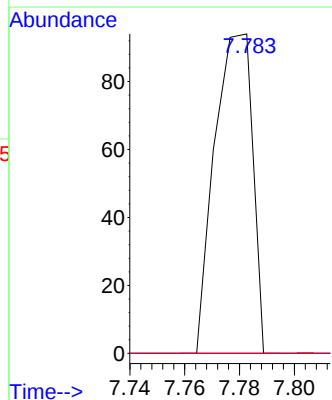
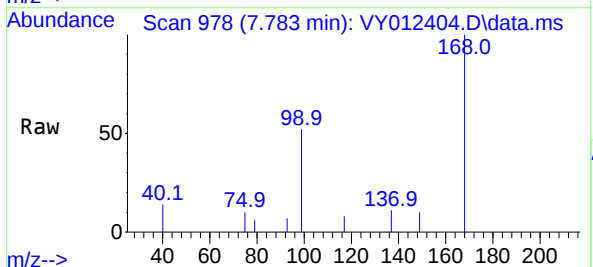
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-205RE

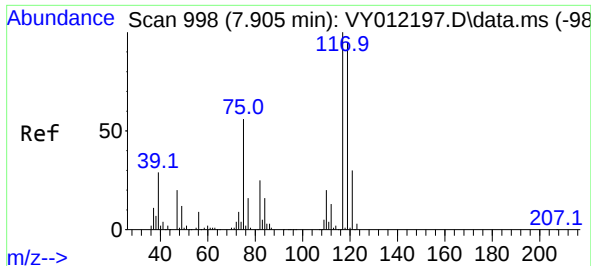
Tgt Ion:113 Resp: 507
Ion Ratio Lower Upper
113 100
111 93.3 83.0 124.4
192 0.0 16.0 24.0#



#36
1,1-Dichloropropene
Concen: 2.527 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

Tgt Ion: 75 Resp: 90
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

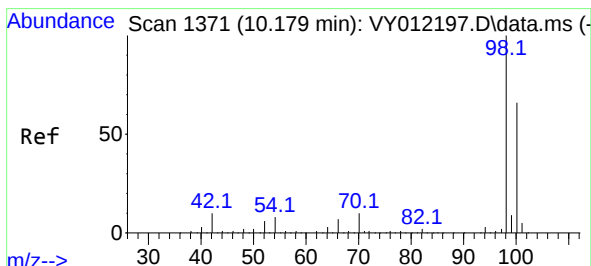
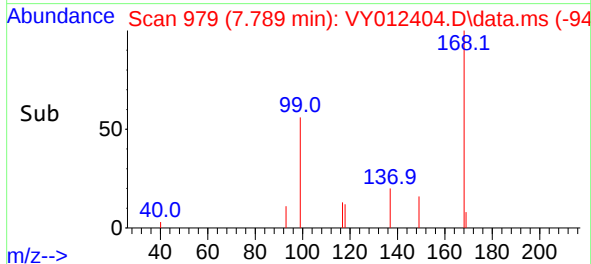
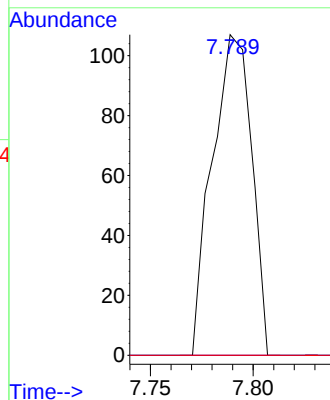
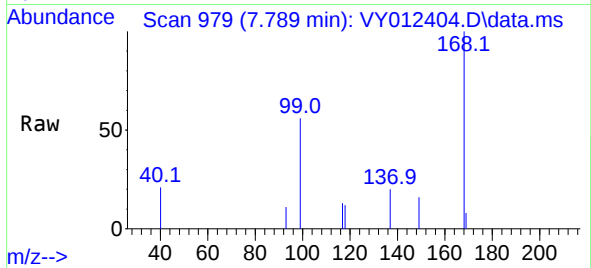




#38
Carbon Tetrachloride
Concen: 3.109 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

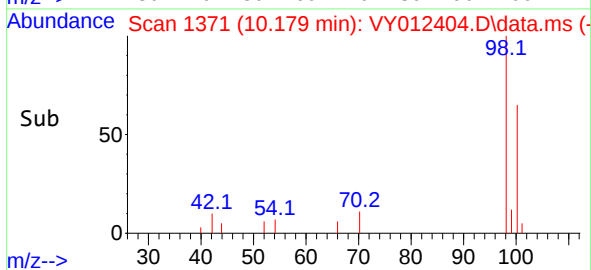
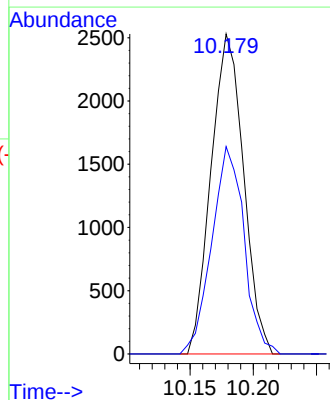
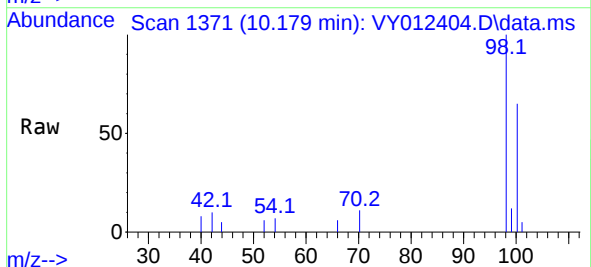
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-205RE

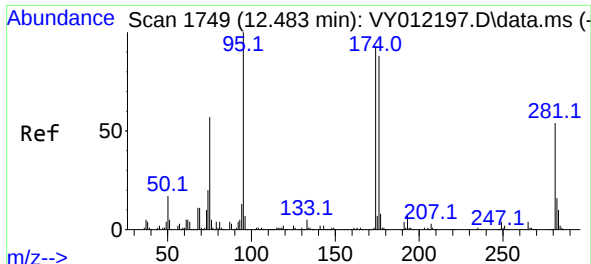
Tgt Ion:117 Resp: 143
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 63.454 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

Tgt Ion: 98 Resp: 4523
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

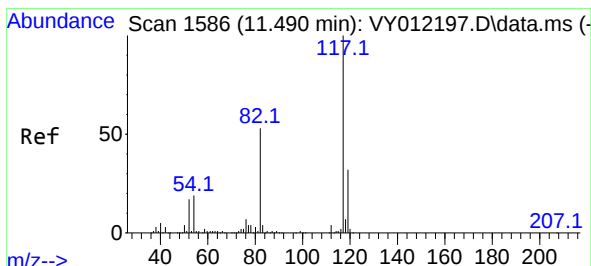
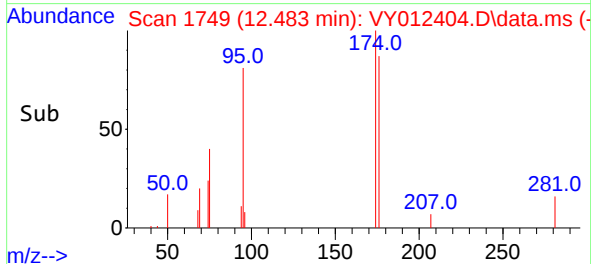
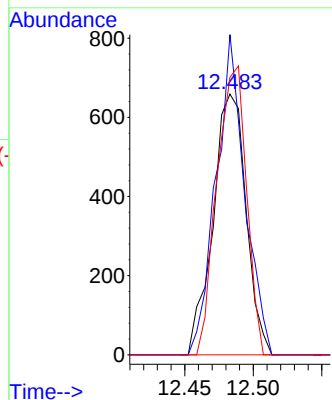
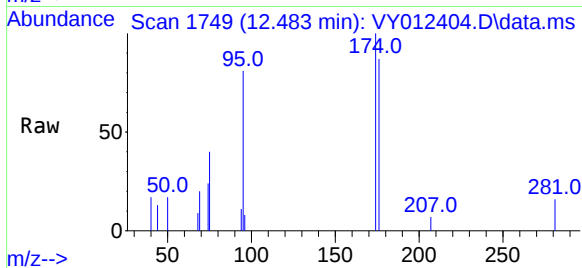




#62
4-Bromofluorobenzene
Concen: 37.537 ug/l
RT: 12.483 min Scan# 1109
Delta R.T. 0.000 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

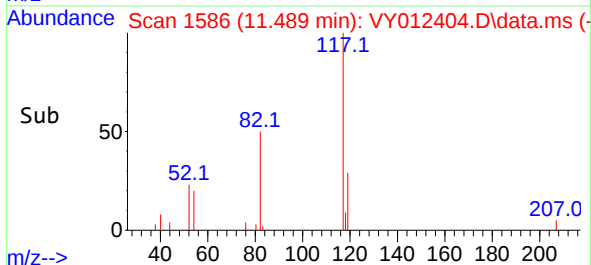
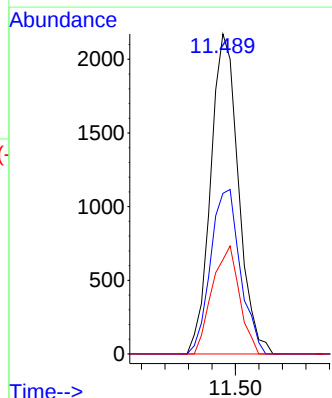
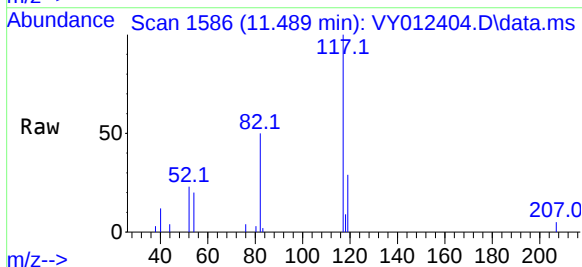
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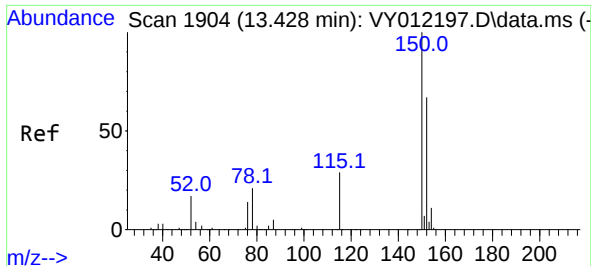
Tgt Ion:	95	Resp:	1109
Ion	Ratio	Lower	Upper
95	100		
174	106.2	0.0	172.0
176	98.7	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

Tgt Ion:	117	Resp:	3563
Ion	Ratio	Lower	Upper
117	100		
82	50.2	44.8	67.2
119	29.5	25.4	38.2

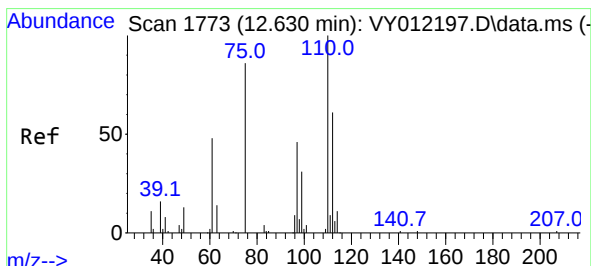
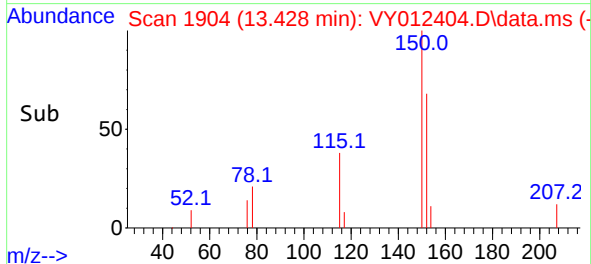
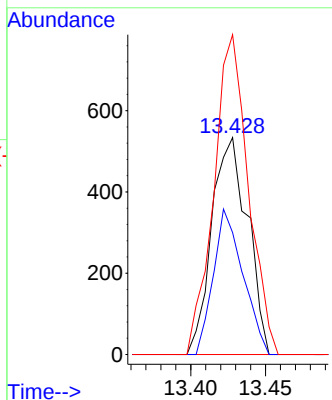
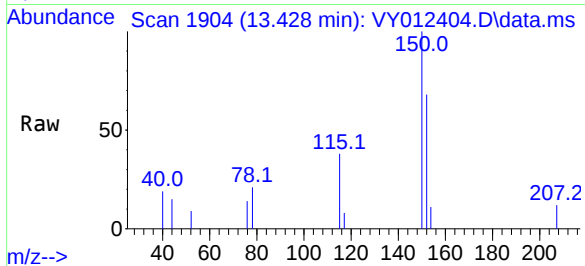




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

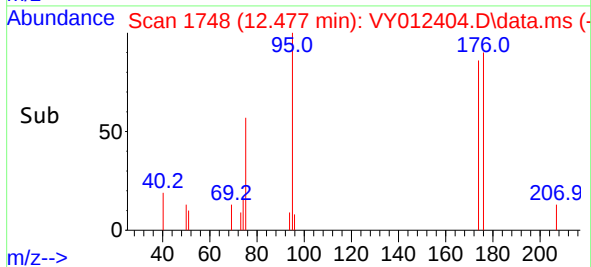
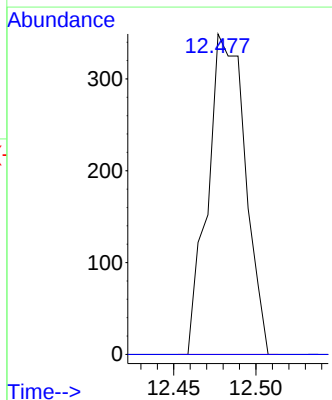
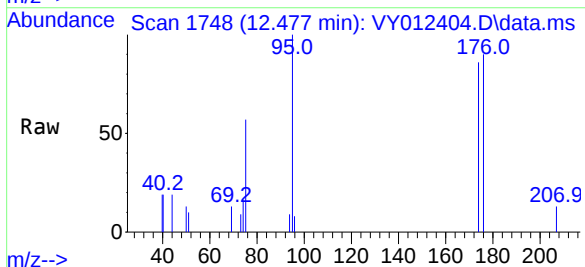
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-205RE

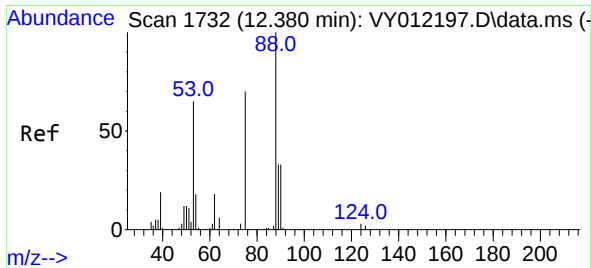
Tgt Ion:152 Resp: 890
Ion Ratio Lower Upper
152 100
115 55.3 29.1 87.3
150 141.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 67.328 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY012404.D
Acq: 30 Jan 2023 17:45

Tgt Ion: 75 Resp: 551
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.724 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY012404.D
 Acq: 30 Jan 2023 17:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-205RE

Tgt Ion: 75 Resp: 551
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#

