

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052422\
 Data File : VY009064.D
 Acq On : 24 May 2022 16:06
 Operator : KP/MD
 Sample : N2963-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208

Quant Time: May 25 02:54:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052022S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 20 23:50:52 2022
 Response via : Initial Calibration

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

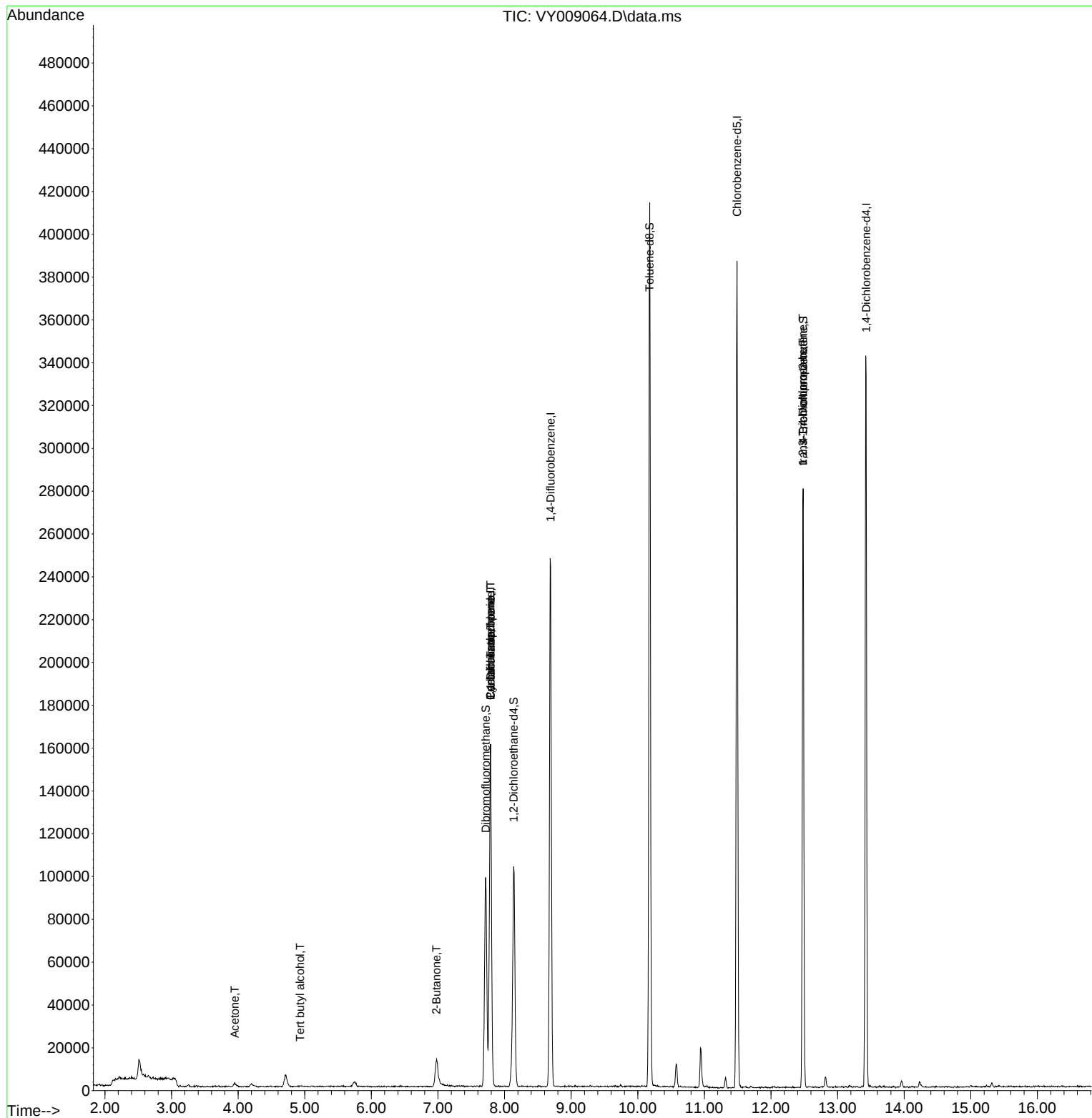
Internal Standards						
1) Pentafluorobenzene	7.789	168	116715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209855	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	194861	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	82600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	72657	60.486	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 120.980%	
35) Dibromofluoromethane	7.716	113	67330	51.595	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 103.200%	
50) Toluene-d8	10.179	98	261213	54.259	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 108.520%	
62) 4-Bromofluorobenzene	12.483	95	72898	37.538	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 75.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	382	3.135	ug/l #	77
16) Acetone	3.948	43	2738	10.950	ug/l #	83
20) Methylene Chloride	4.716	84	3727	Below Cal	#	83
25) 2-Butanone	6.978	43	824	1.845	ug/l	92
31) Cyclohexane	7.789	56	2804	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	10358	4.664	ug/l #	47
38) Carbon Tetrachloride	7.789	117	11503	4.951	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	43138	48.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	43138	99.818	ug/l #	7

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

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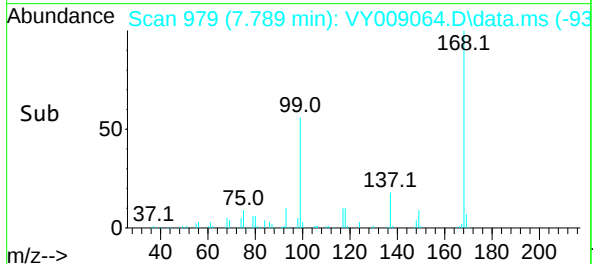
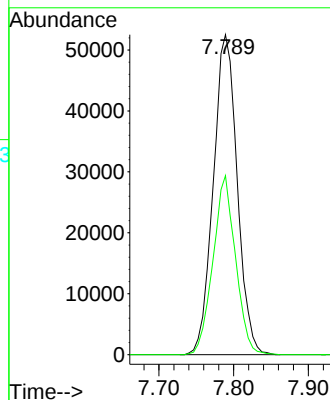
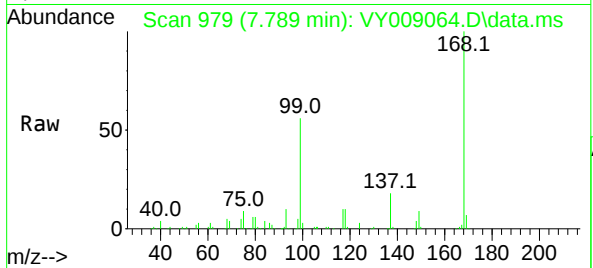




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

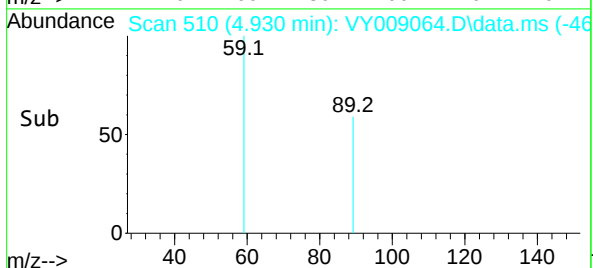
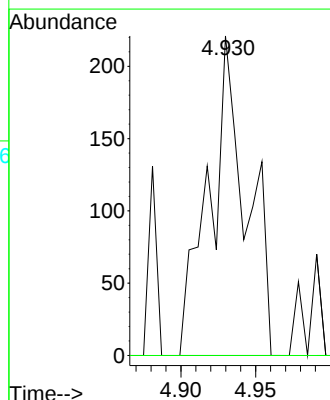
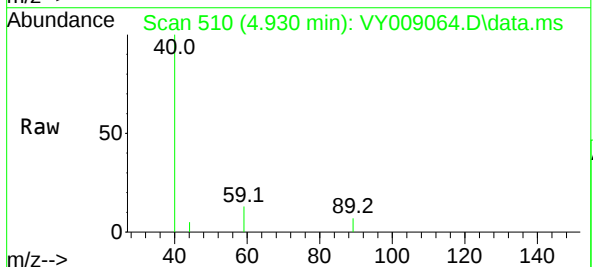
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

Tgt Ion:168 Resp: 116715
Ion Ratio Lower Upper
168 100
99 55.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 3.135 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 59 Resp: 382
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

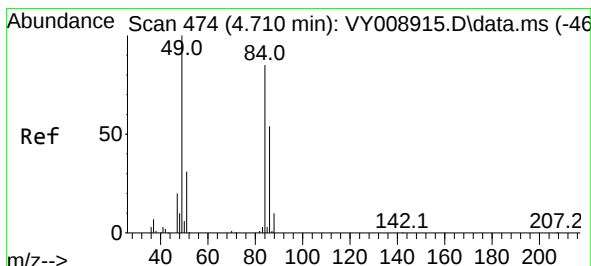
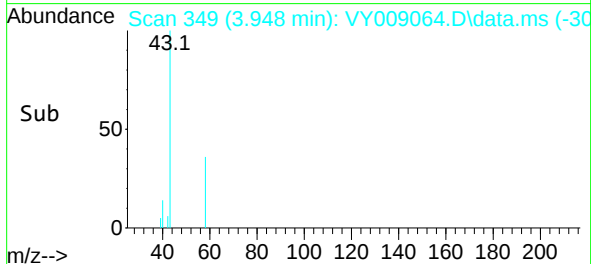
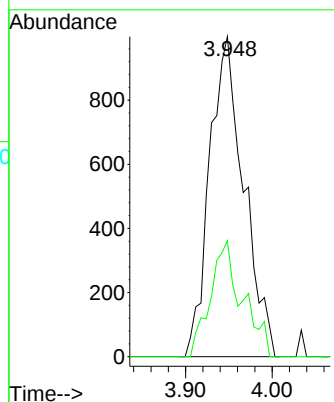
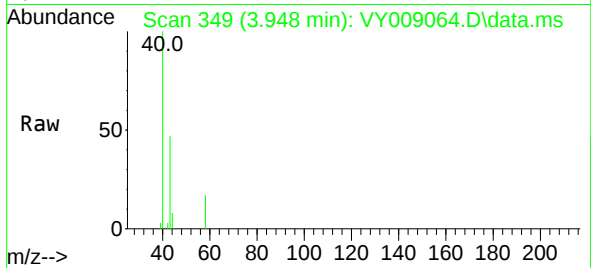




#16
Acetone
Concen: 10.950 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

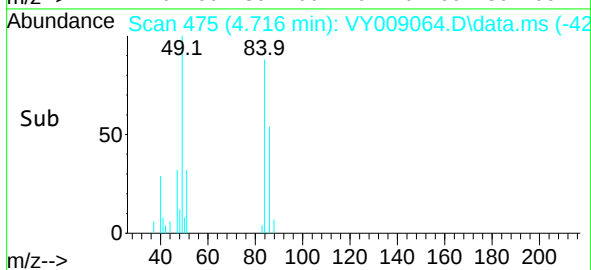
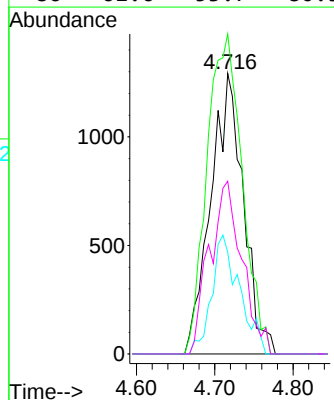
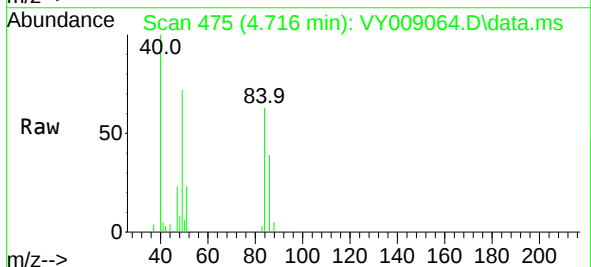
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

Tgt Ion: 43 Resp: 2738
Ion Ratio Lower Upper
43 100
58 36.3 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 84 Resp: 3727
Ion Ratio Lower Upper
84 100
49 114.1 114.4 171.6#
51 36.3 35.3 52.9
86 61.6 53.7 80.5

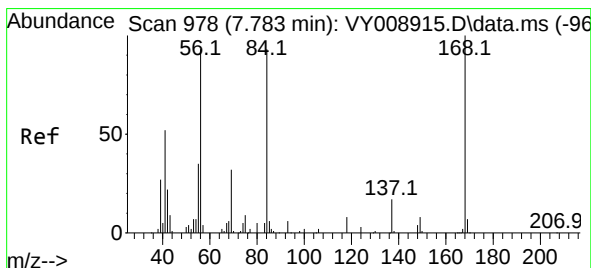
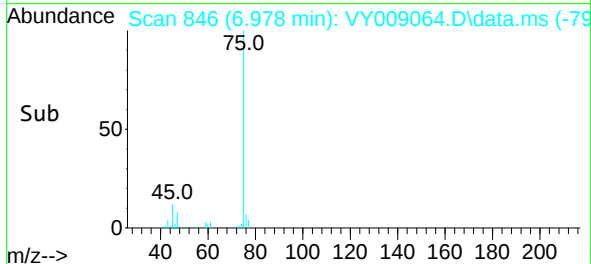
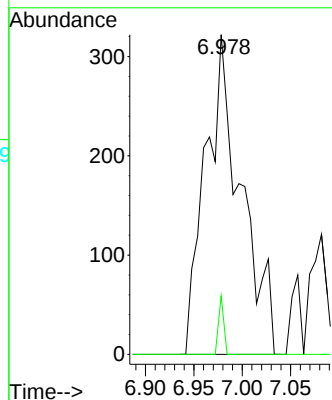
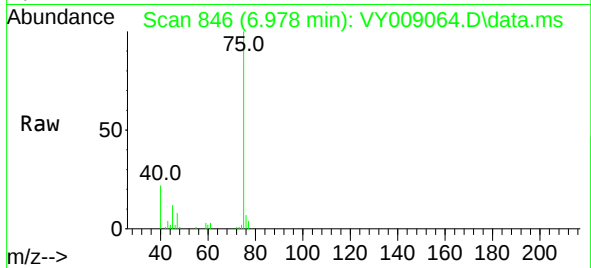




#25
2-Butanone
Concen: 1.845 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

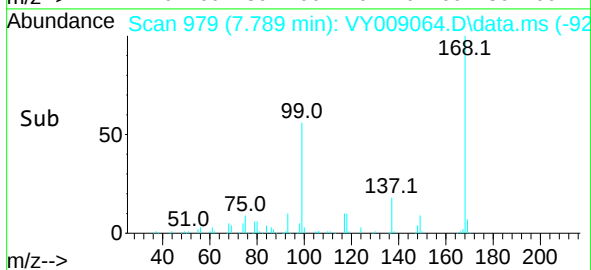
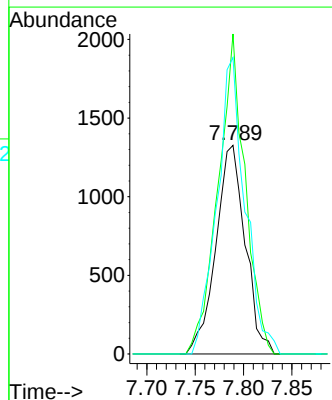
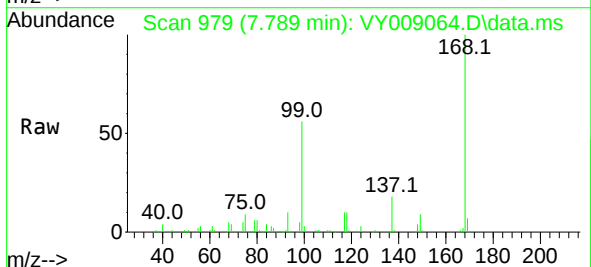
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
72 18.3 17.7 26.5



#31
Cyclohexane
Concen: 1.193 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 56 Resp: 2804
Ion Ratio Lower Upper
56 100
69 153.4 26.7 40.1#
84 142.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.486 ug/l

RT: 8.137 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY009064.D

Acq: 24 May 2022 16:06

Instrument :

MSVOA_Y

ClientSampleId :

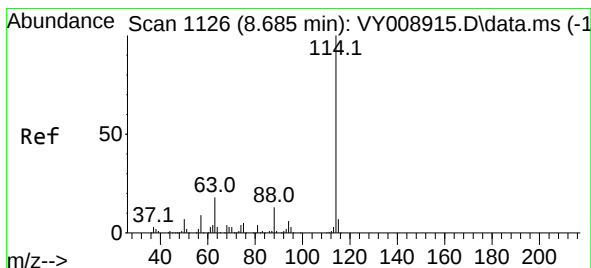
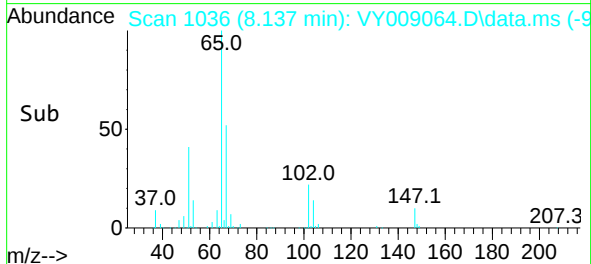
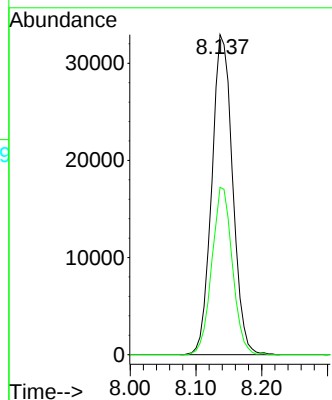
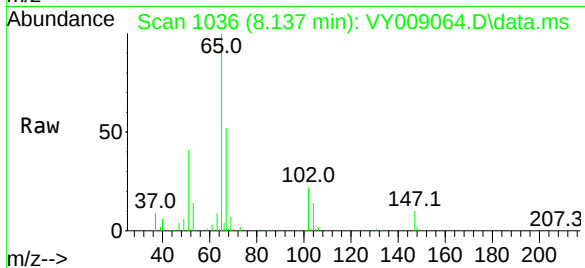
VNJ-208

Tgt Ion: 65 Resp: 72657

Ion Ratio Lower Upper

65 100

67 51.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009064.D

Acq: 24 May 2022 16:06

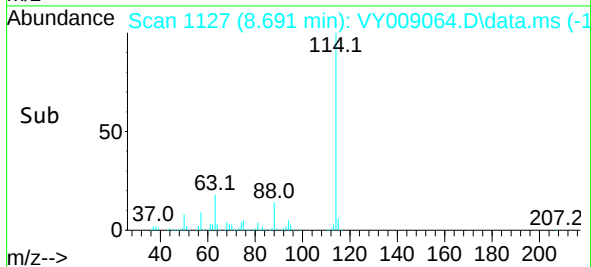
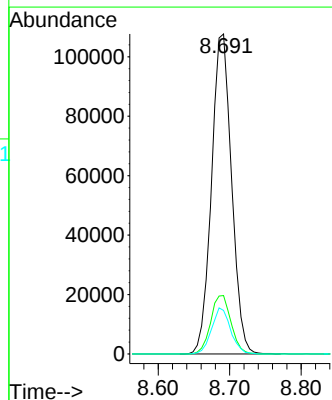
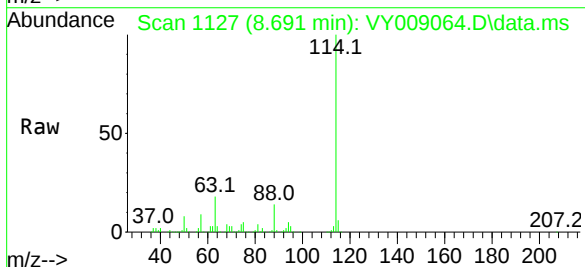
Tgt Ion: 114 Resp: 209855

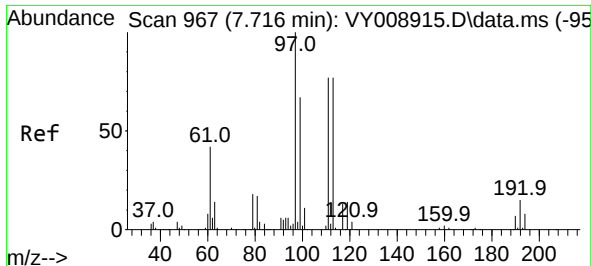
Ion Ratio Lower Upper

114 100

63 18.2 0.0 43.2

88 13.6 0.0 31.8

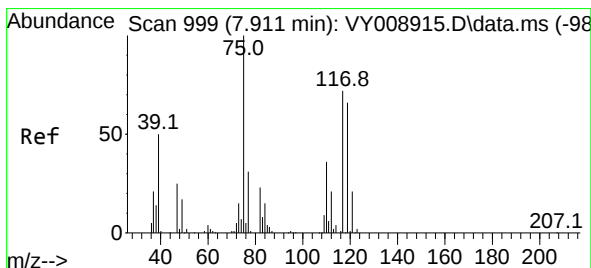
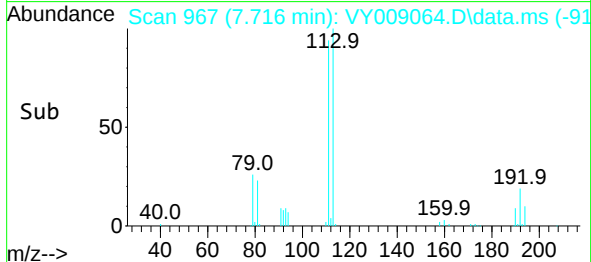
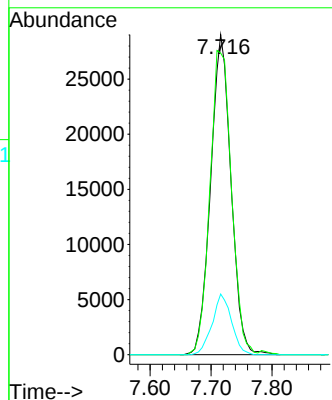
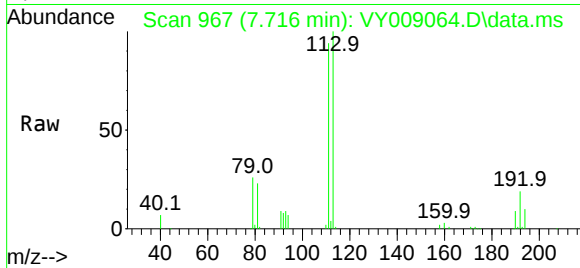




#35
Dibromofluoromethane
Concen: 51.595 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

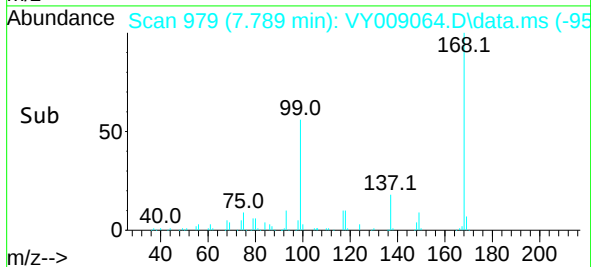
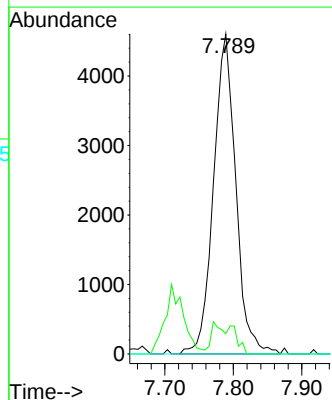
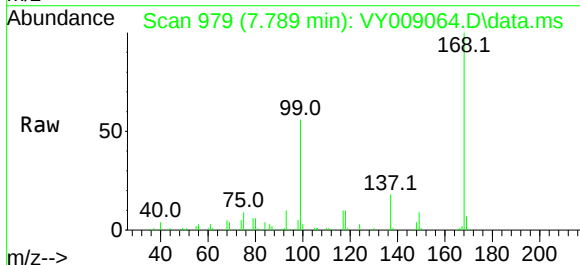
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

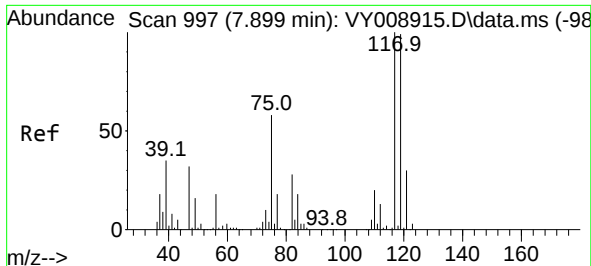
Tgt Ion:113 Resp: 67330
Ion Ratio Lower Upper
113 100
111 100.7 82.6 124.0
192 18.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 75 Resp: 10358
Ion Ratio Lower Upper
75 100
110 4.7 17.1 51.2#
77 0.0 24.4 36.6#

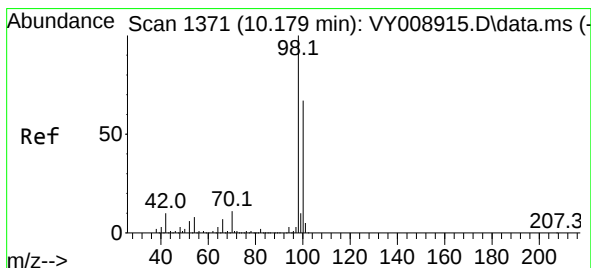
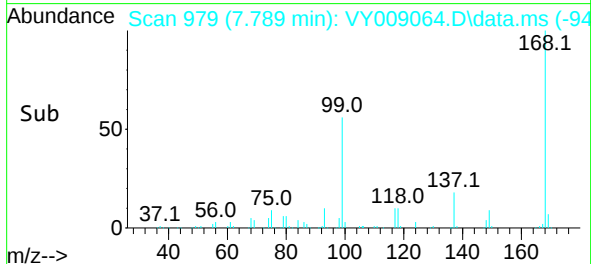
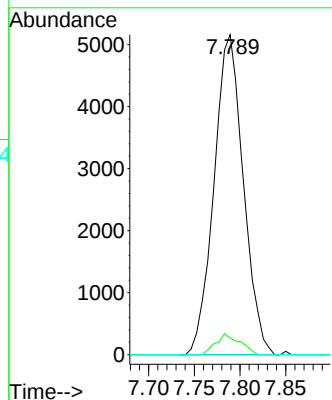
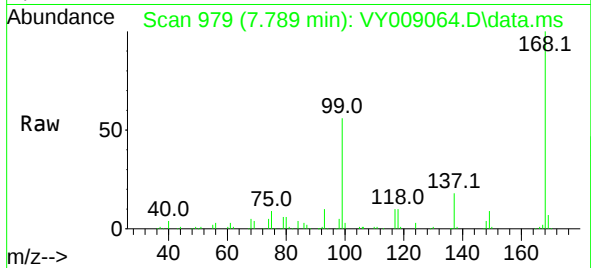




#38
Carbon Tetrachloride
Concen: 4.951 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

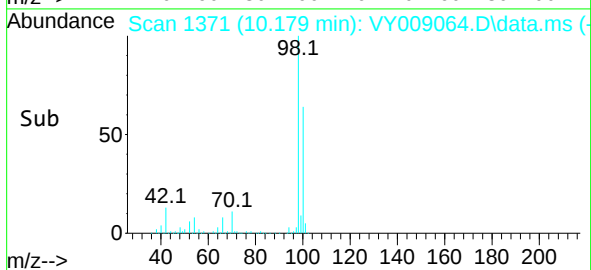
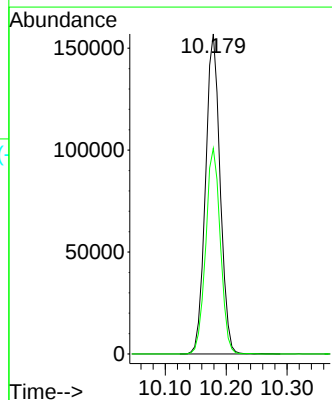
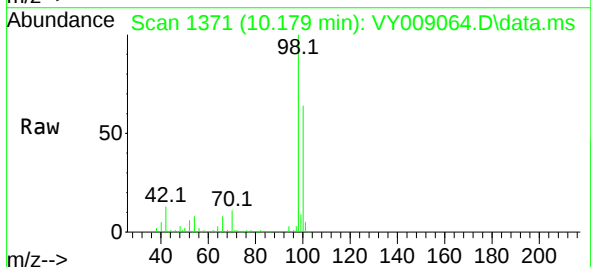
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

Tgt Ion:117 Resp: 11503
Ion Ratio Lower Upper
117 100
119 5.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.259 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 98 Resp: 261213
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2

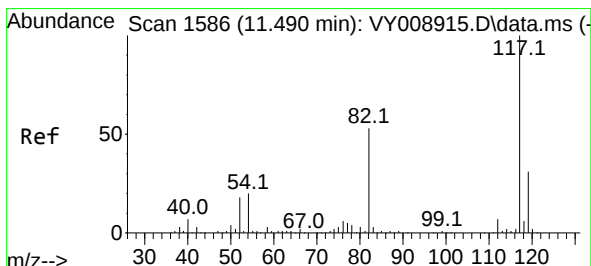
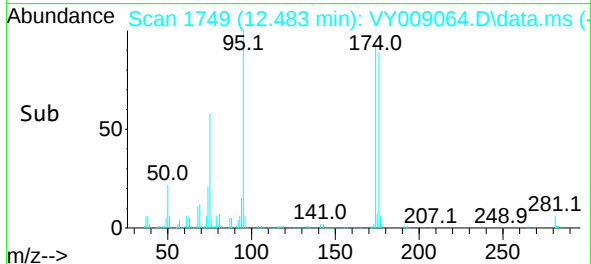
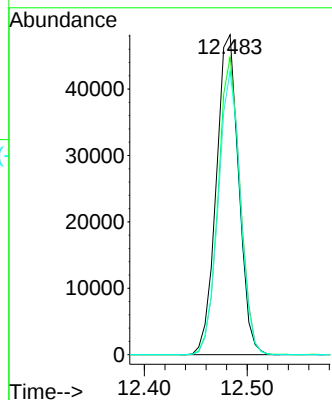
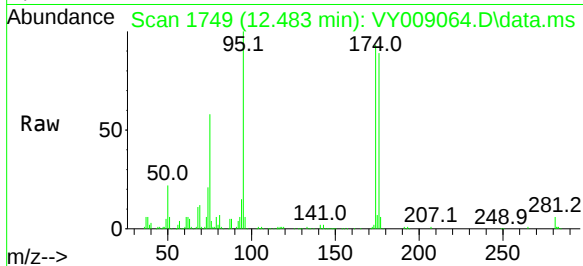




#62
4-Bromofluorobenzene
Concen: 37.538 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

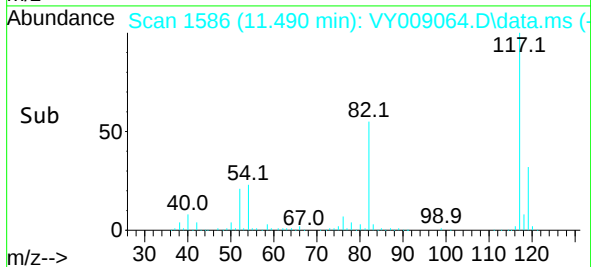
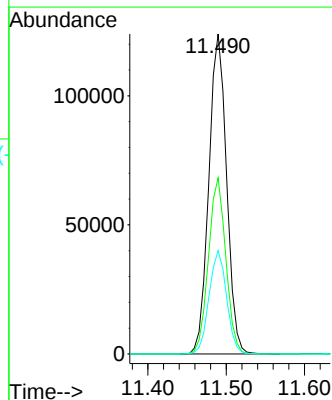
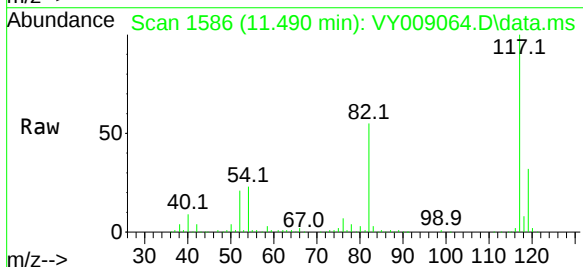
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-208

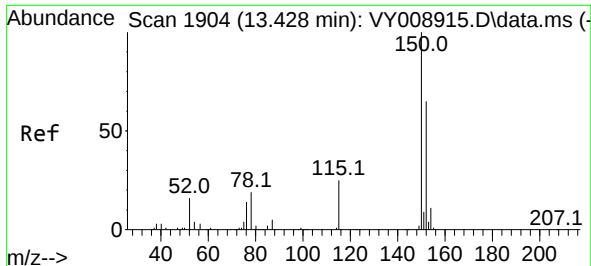
Tgt Ion: 95 Resp: 72898
Ion Ratio Lower Upper
95 100
174 91.3 0.0 177.0
176 87.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY009064.D
Acq: 24 May 2022 16:06

Tgt Ion: 117 Resp: 194861
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.3 25.4 38.0

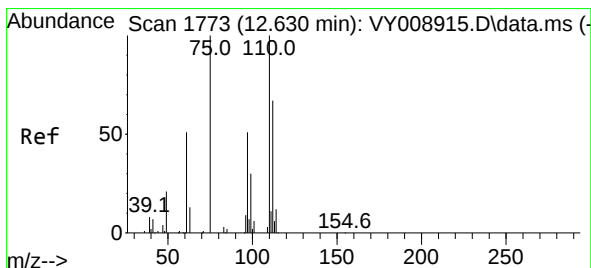
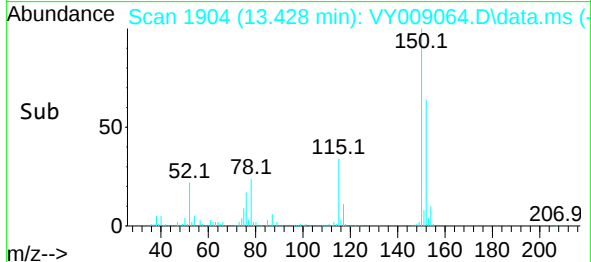
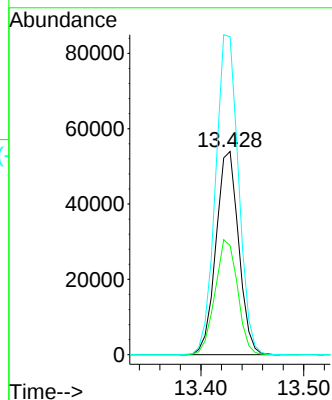
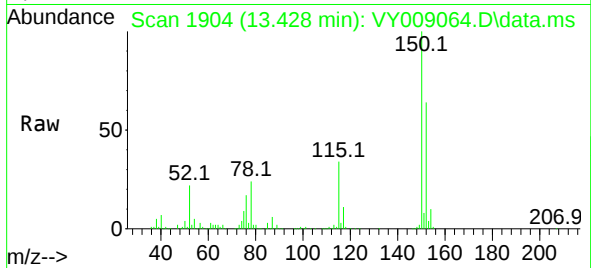




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY009064.D
 Acq: 24 May 2022 16:06

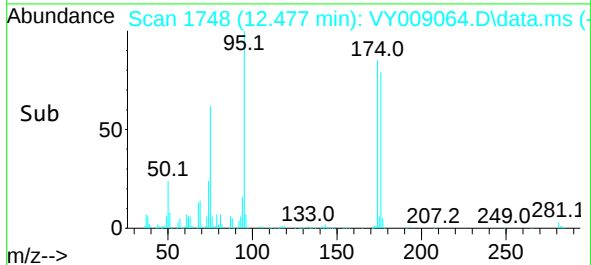
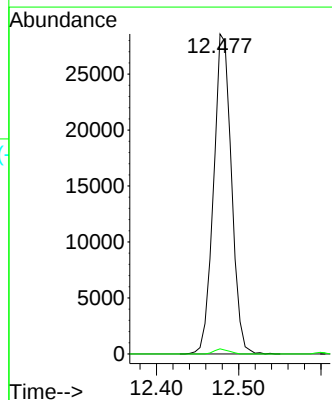
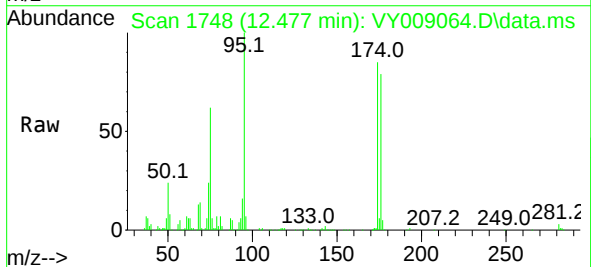
Instrument :
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 VNJ-208

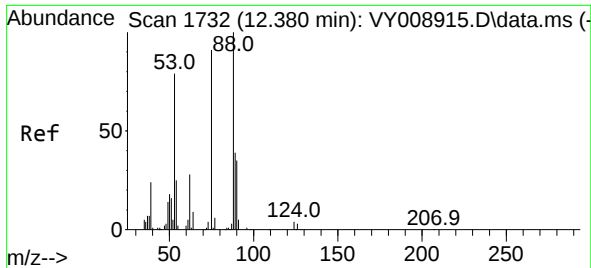
Tgt Ion:152 Resp: 82600
 Ion Ratio Lower Upper
 152 100
 115 56.1 28.2 84.7
 150 159.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 48.632 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY009064.D
 Acq: 24 May 2022 16:06

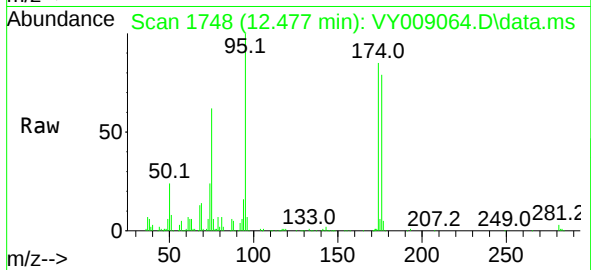
Tgt Ion: 75 Resp: 43138
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.818 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY009064.D
 Acq: 24 May 2022 16:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-208



Tgt Ion: 75 Resp: 43138
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

