

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011707.D
 Acq On : 05 Dec 2022 19:23
 Operator : KP/MD
 Sample : N5881-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-202

Quant Time: Dec 06 00:38:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

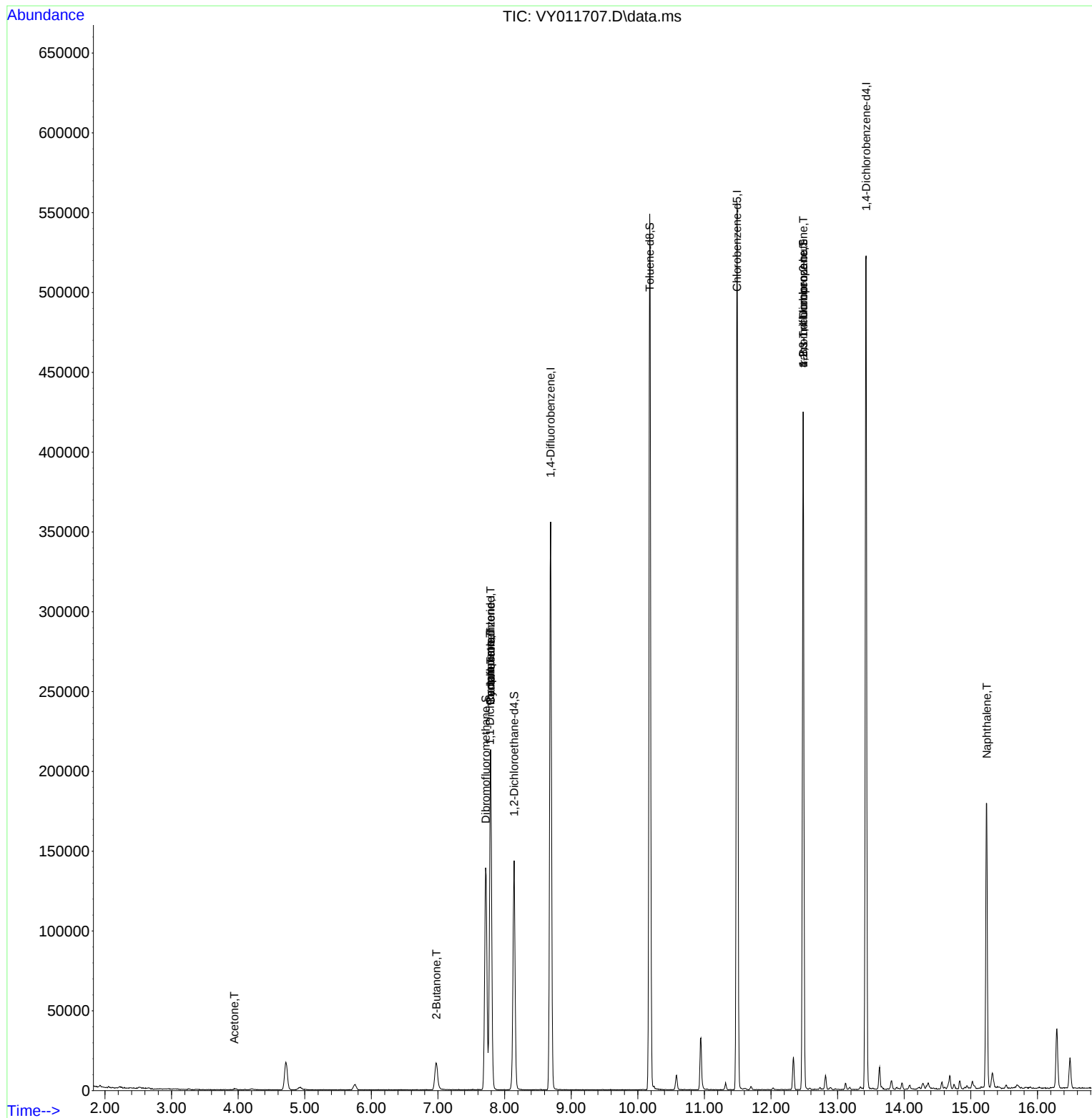
Internal Standards						
1) Pentafluorobenzene	7.789	168	161231	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	295932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	297355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	135208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	108016	65.979	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.960%	
35) Dibromofluoromethane	7.716	113	98761	54.213	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.420%	
50) Toluene-d8	10.179	98	364980	55.133	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.260%	
62) 4-Bromofluorobenzene	12.483	95	121053	49.457	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.920%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	180	Below Cal	#	44
5) Bromomethane	2.668	94	77	Below Cal	#	28
11) Tert butyl alcohol	4.917	59	1977	Below Cal	#	77
16) Acetone	3.942	43	1238	2.328	ug/l	97
18) Methyl Acetate	4.472	43	160	Below Cal	#	56
20) Methylene Chloride	4.716	84	12936	Below Cal		84
25) 2-Butanone	6.978	43	975	1.395	ug/l #	54
31) Cyclohexane	7.789	56	3558	1.311	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	12405	4.356	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16016	5.027	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	63507	43.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63507	95.530	ug/l #	7
95) Naphthalene	15.239	128	151347	33.071	ug/l	98

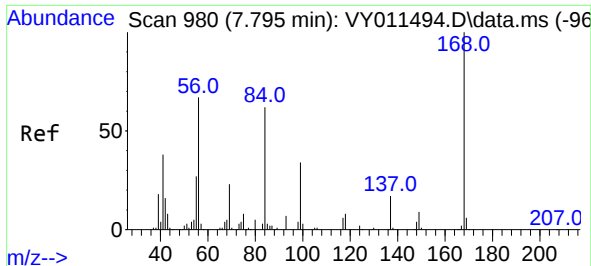
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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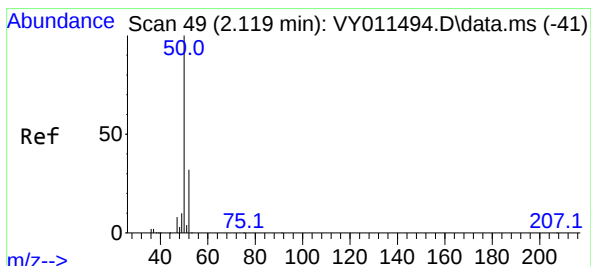
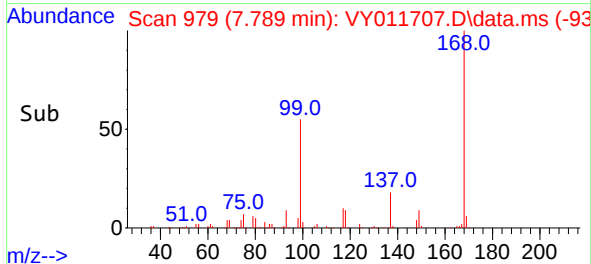
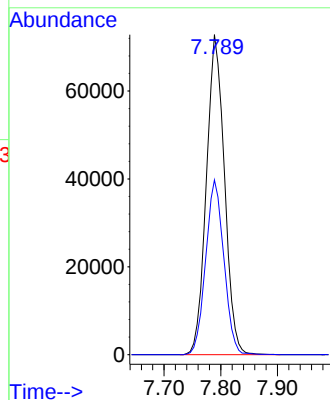
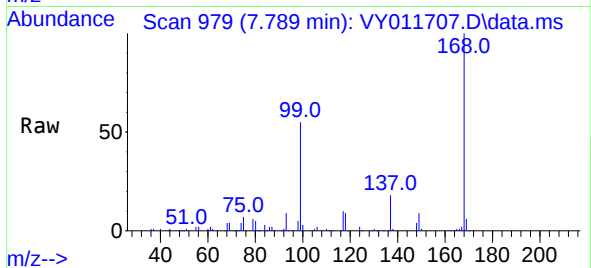




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

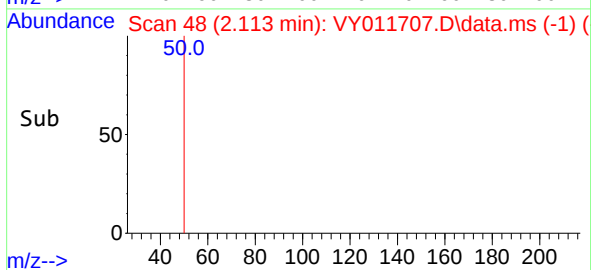
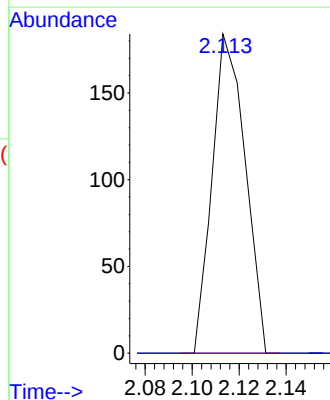
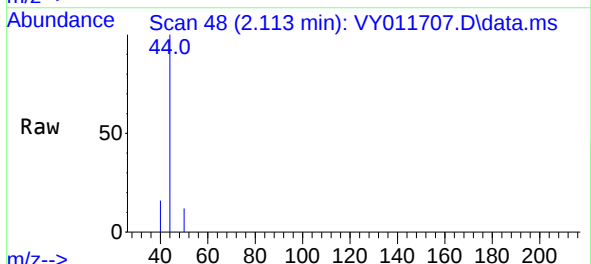
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

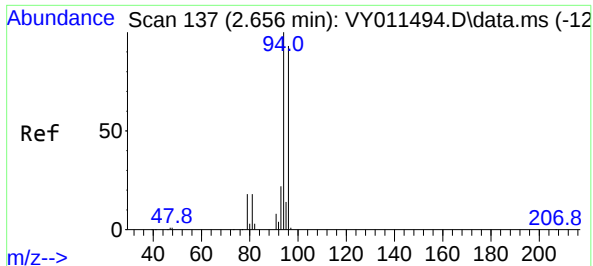
Tgt Ion:168 Resp: 161231
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 50 Resp: 180
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

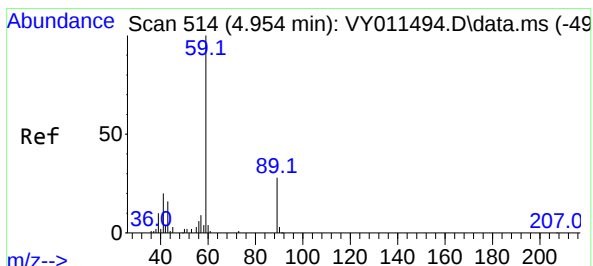
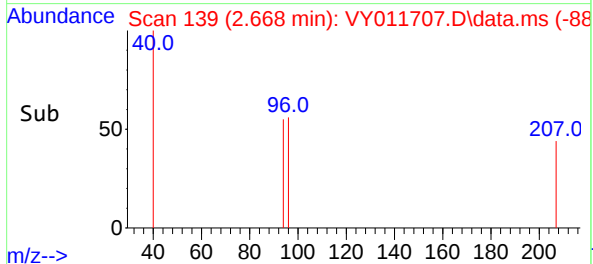
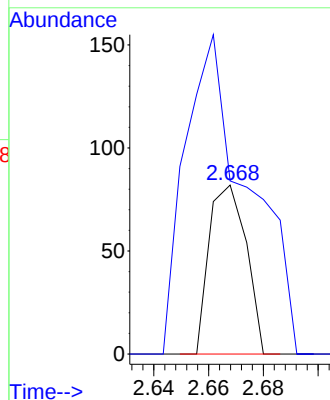
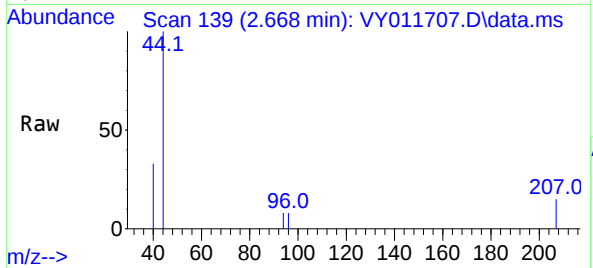




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

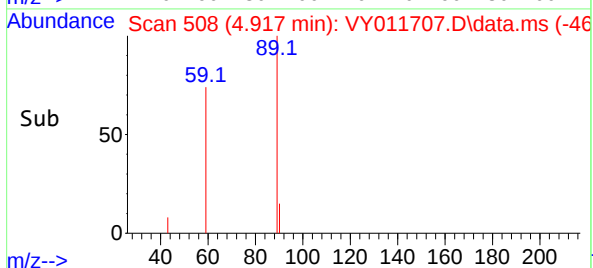
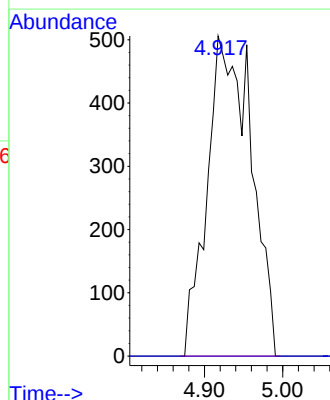
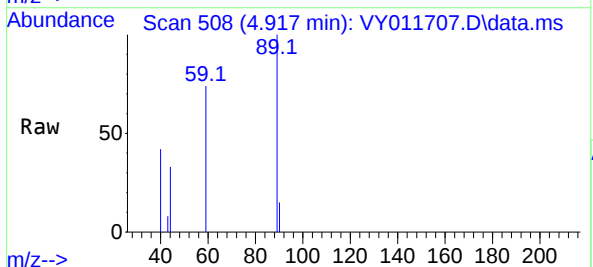
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

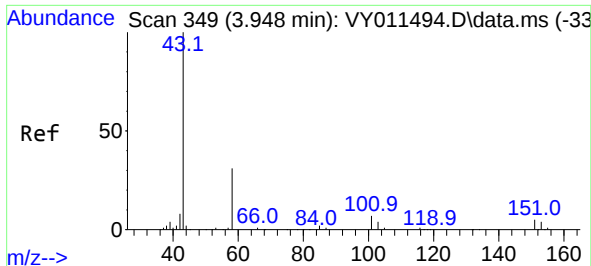
Tgt Ion: 94 Resp: 77
Ion Ratio Lower Upper
94 100
96 23.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 59 Resp: 1977
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

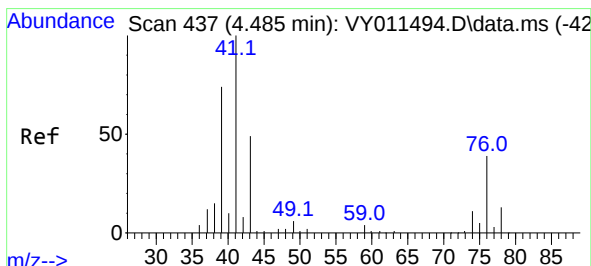
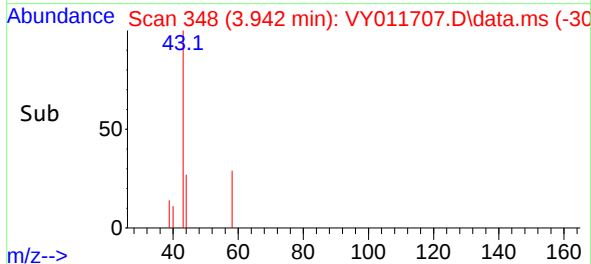
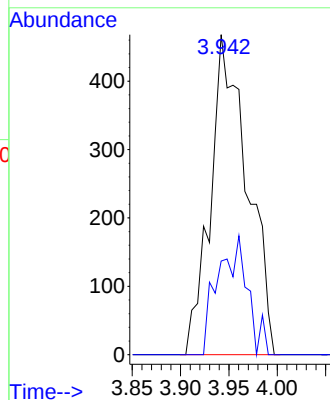
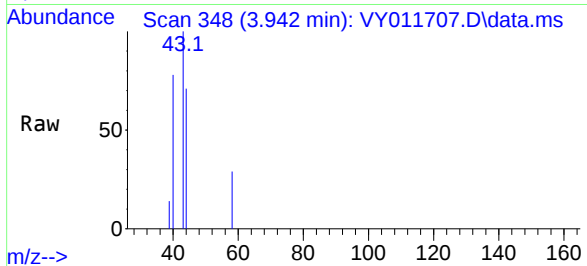




#16
Acetone
Concen: 2.328 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

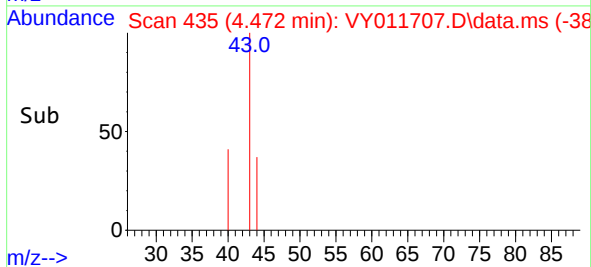
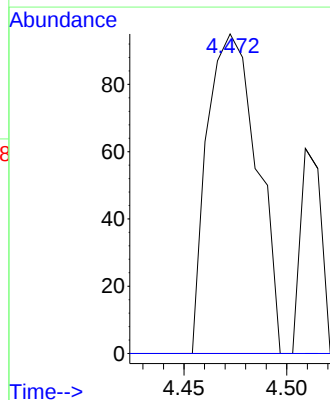
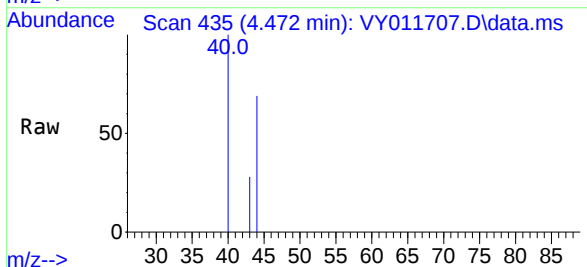
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

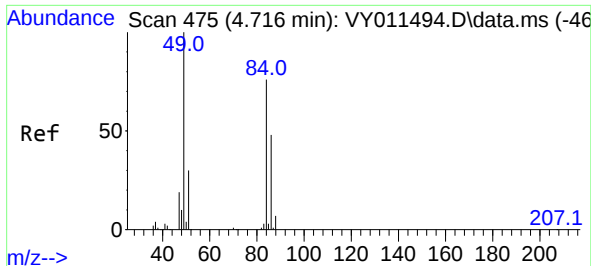
Tgt Ion: 43 Resp: 1238
Ion Ratio Lower Upper
43 100
58 29.3 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.013 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



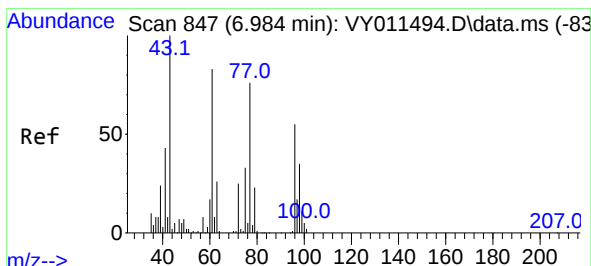
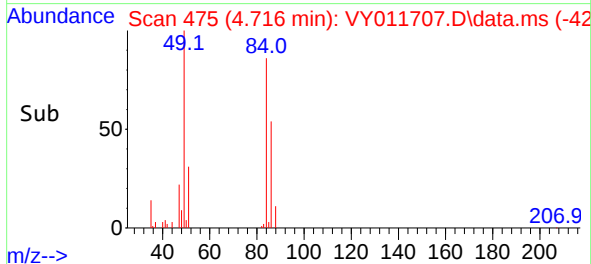
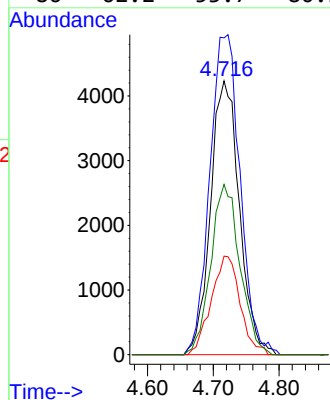
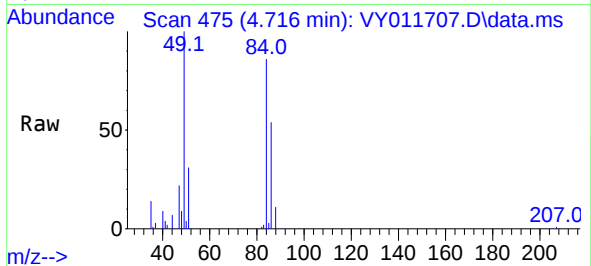


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

Tgt Ion: 84 Resp: 12936

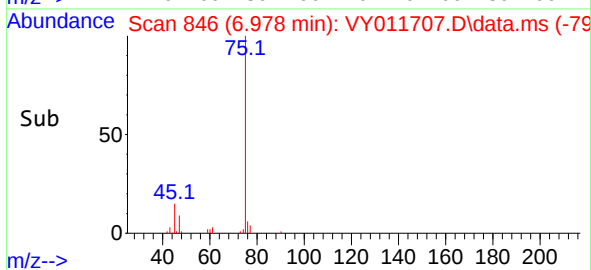
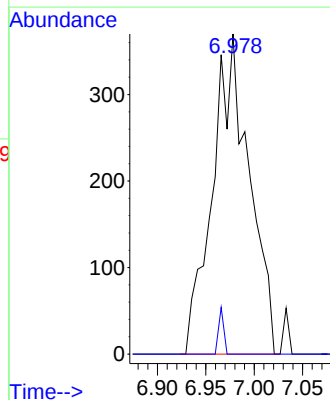
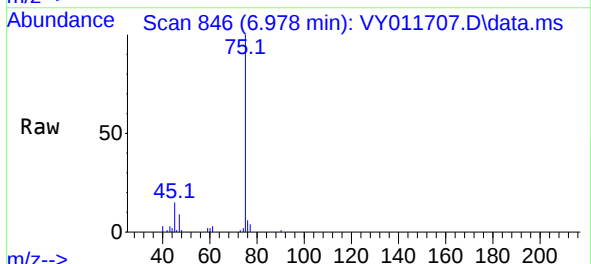
Ion	Ratio	Lower	Upper
84	100		
49	115.7	114.4	171.6
51	36.0	35.3	52.9
86	62.2	53.7	80.5

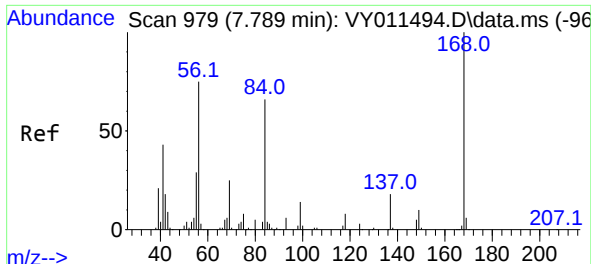


#25
2-Butanone
Concen: 1.395 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 43 Resp: 975

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

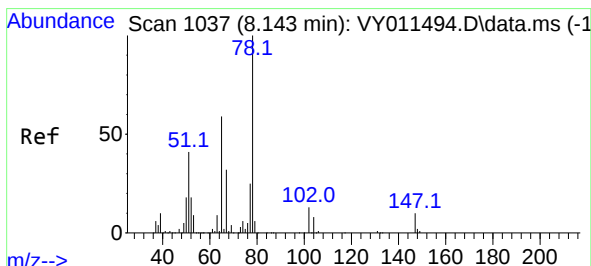
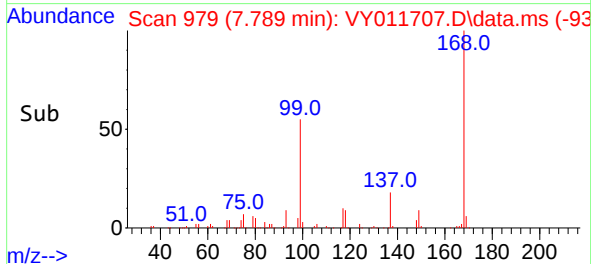
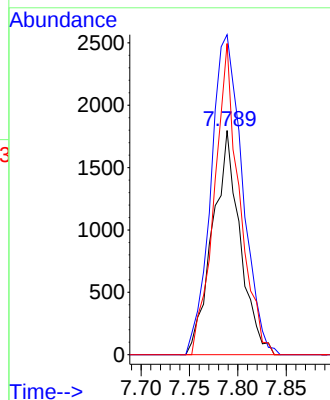
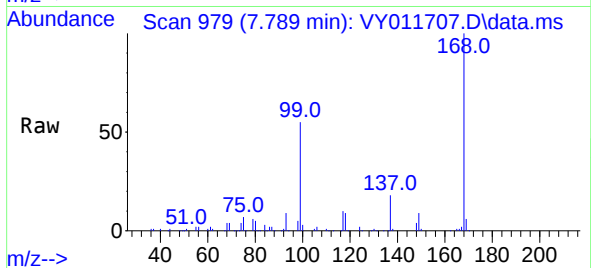




#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

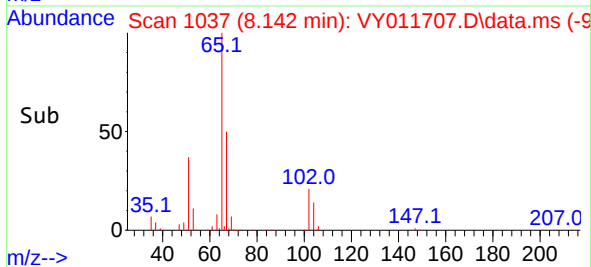
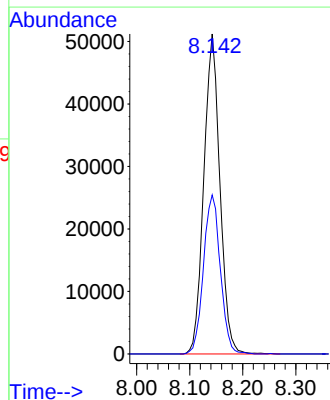
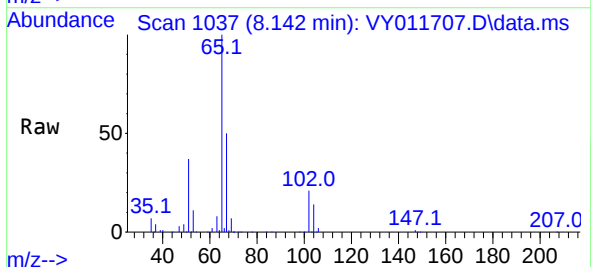
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

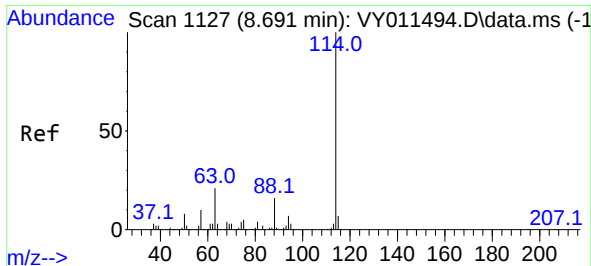
Tgt Ion: 56 Resp: 3558
Ion Ratio Lower Upper
56 100
69 142.7 26.7 40.1#
84 138.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.979 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 65 Resp: 108016
Ion Ratio Lower Upper
65 100
67 52.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011707.D

Acq: 05 Dec 2022 19:23

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-202

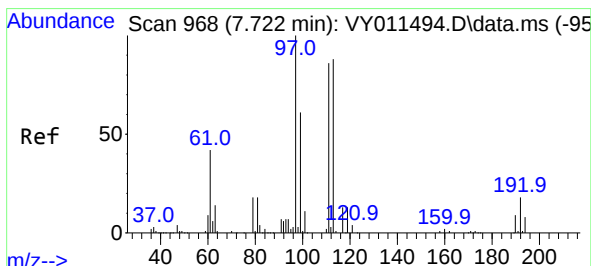
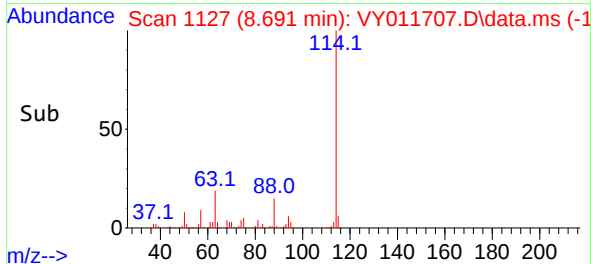
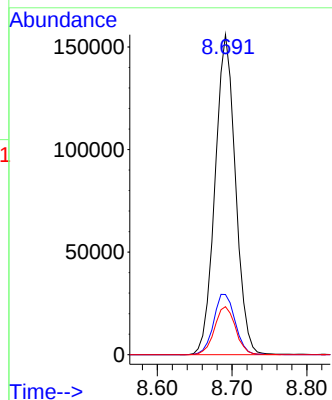
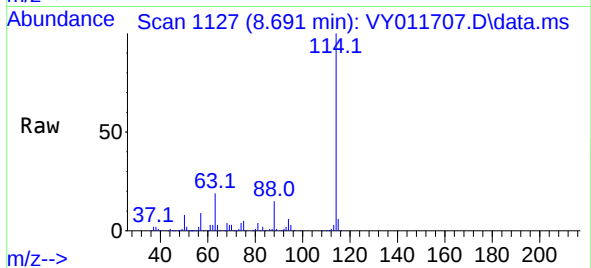
Tgt Ion:114 Resp: 295932

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.213 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY011707.D

Acq: 05 Dec 2022 19:23

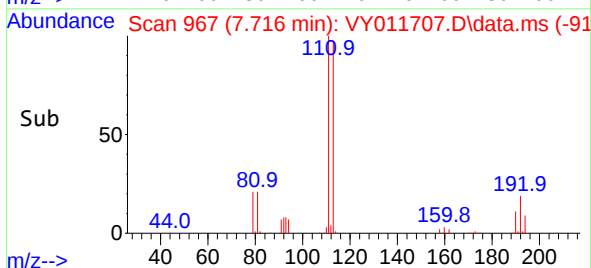
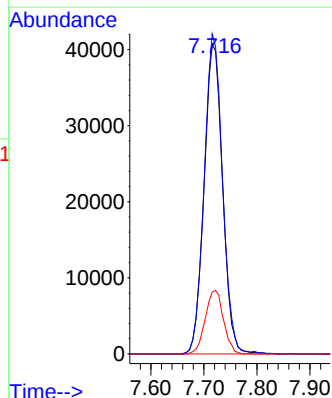
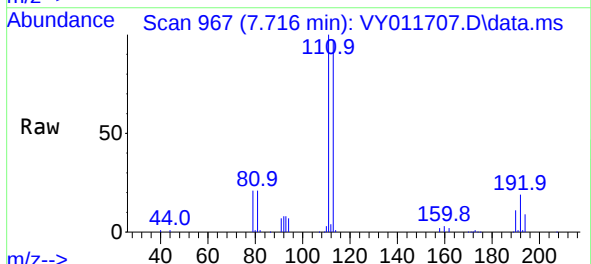
Tgt Ion:113 Resp: 98761

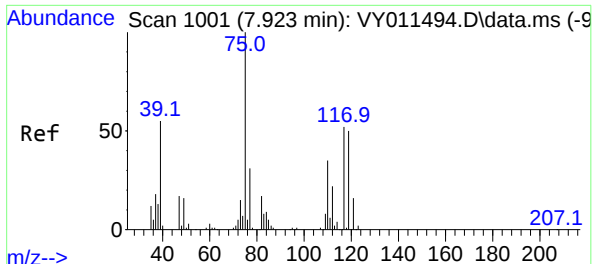
Ion Ratio Lower Upper

113 100

111 102.3 82.6 124.0

192 20.2 17.6 26.4

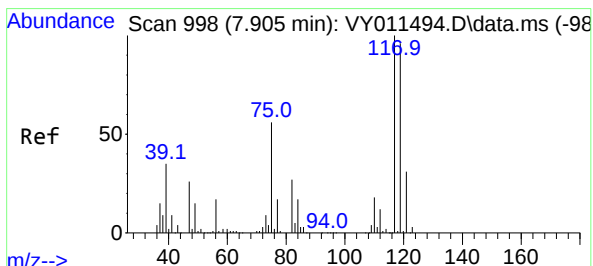
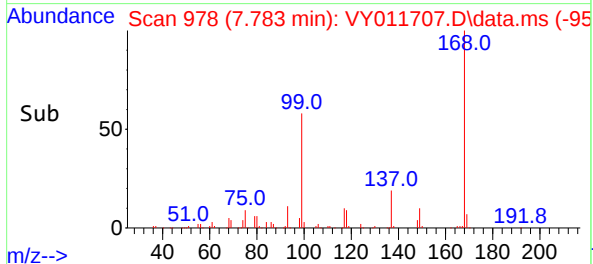
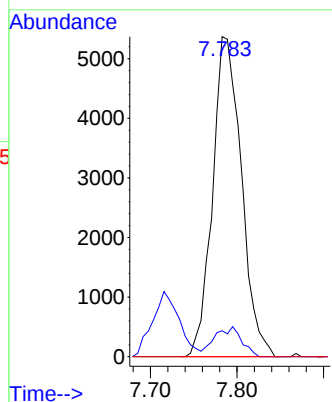
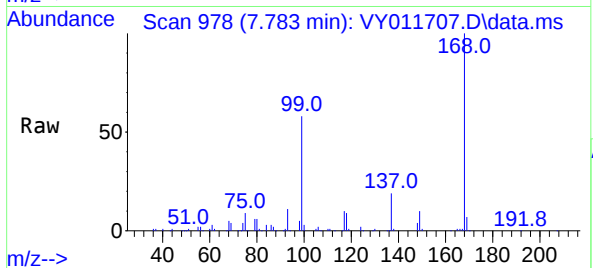




#36
1,1-Dichloropropene
Concen: 4.356 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.140 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

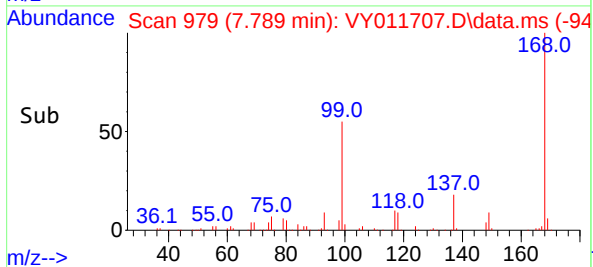
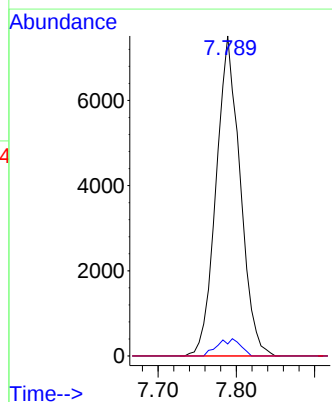
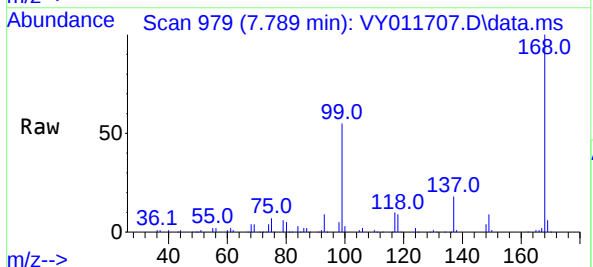
Instrument :
MSVOA_Y
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VNJ-202

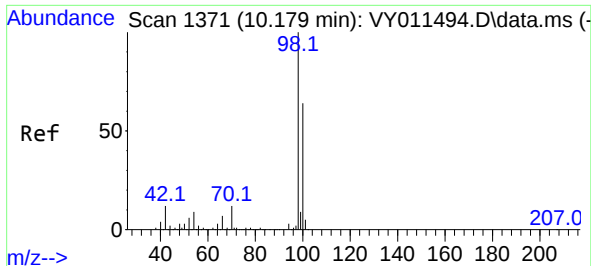
Tgt Ion: 75 Resp: 12405
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.027 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 117 Resp: 16016
Ion Ratio Lower Upper
117 100
119 3.8 77.9 116.9#
121 0.0 24.8 37.2#

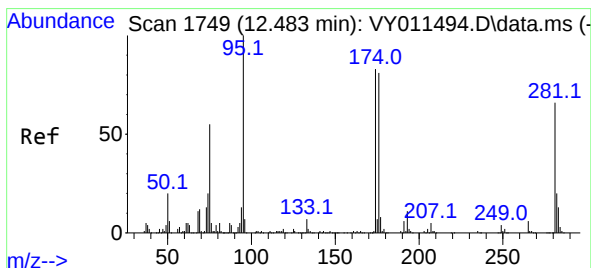
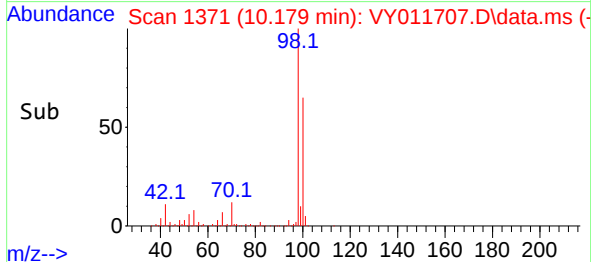
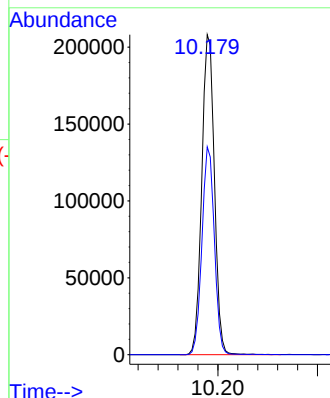
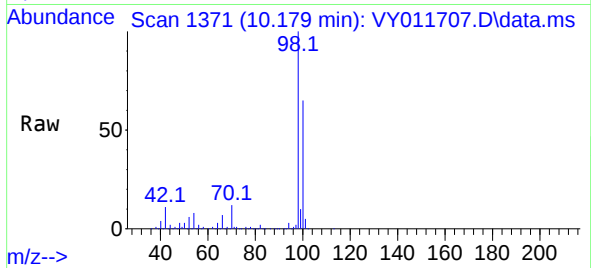




#50
Toluene-d8
Concen: 55.133 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

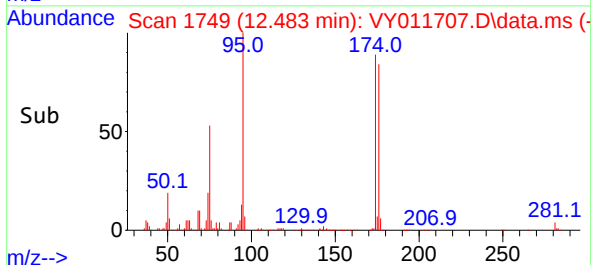
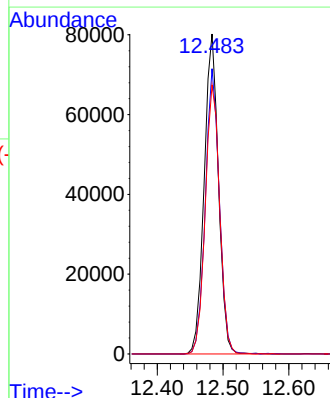
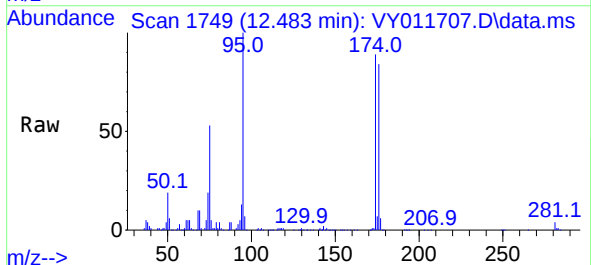
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

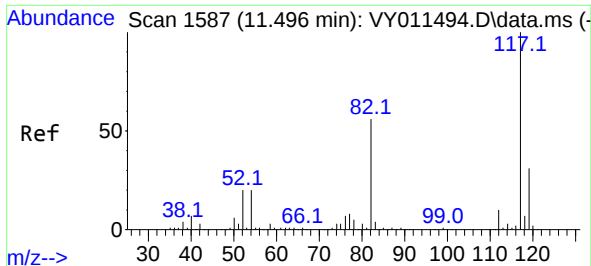
Tgt Ion: 98 Resp: 364980
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.457 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 95 Resp: 121053
Ion Ratio Lower Upper
95 100
174 87.3 0.0 177.0
176 85.0 0.0 175.8

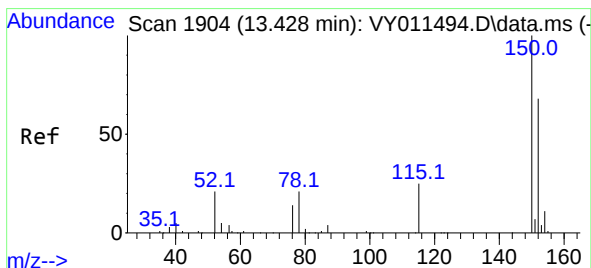
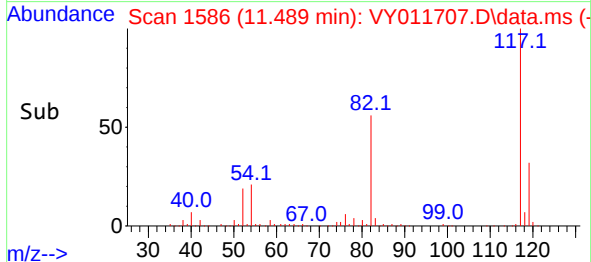
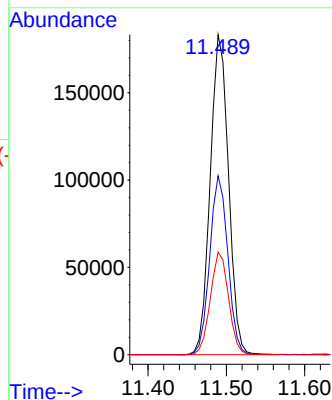
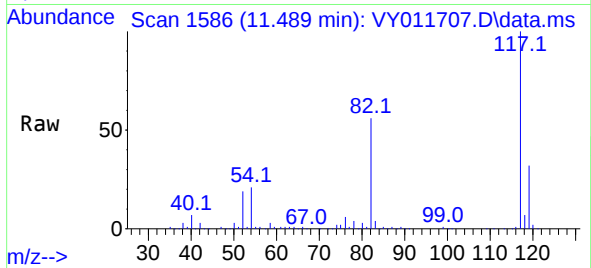




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.007 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

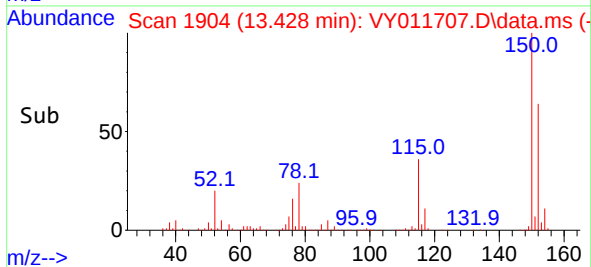
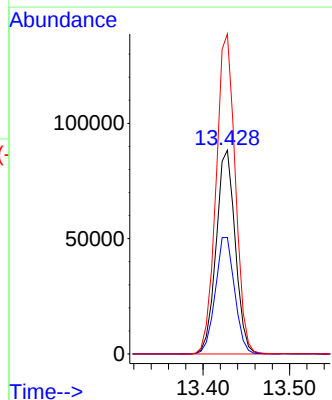
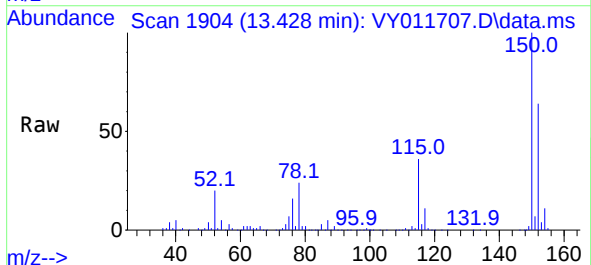
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

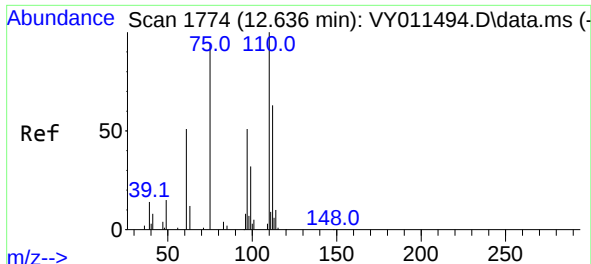
Tgt Ion:117 Resp: 297355
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion:152 Resp: 135208
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 157.9 0.0 347.6

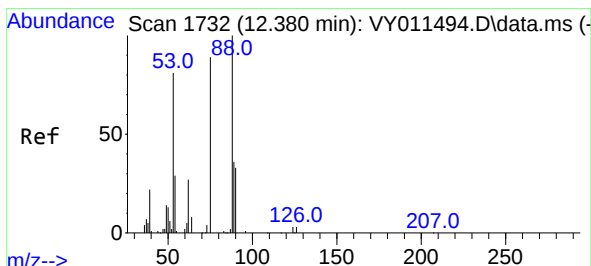
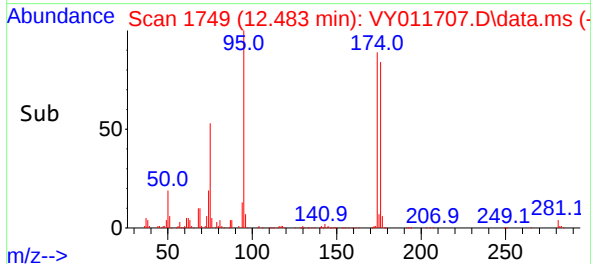
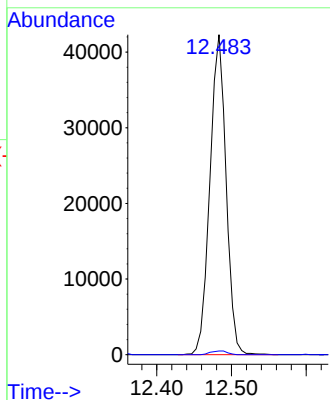
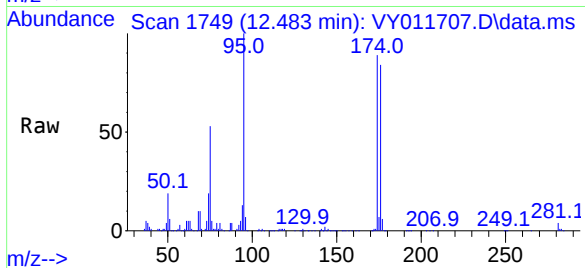




#76
1,2,3-Trichloropropane
Concen: 43.614 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

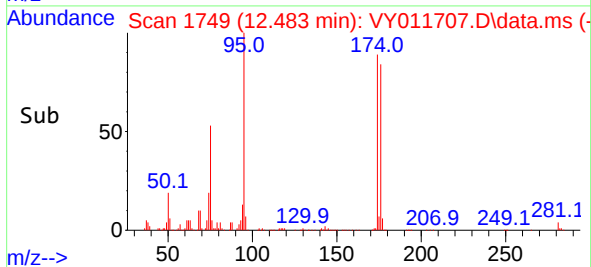
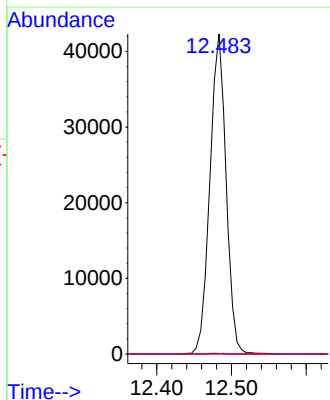
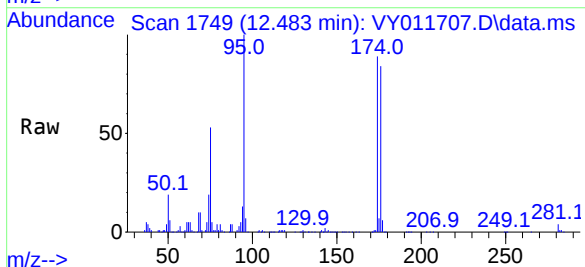
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

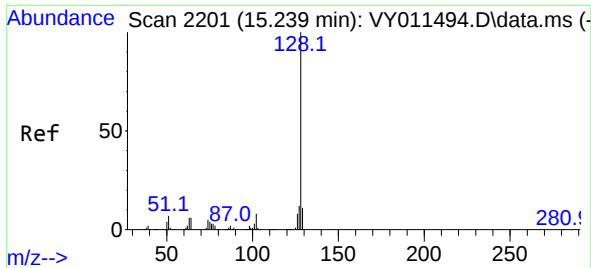
Tgt Ion: 75 Resp: 63507
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.530 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Tgt Ion: 75 Resp: 63507
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 33.071 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011707.D
Acq: 05 Dec 2022 19:23

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-202

Tgt Ion:128 Resp: 151347
Ion Ratio Lower Upper
128 100
127 12.9 11.0 16.4
129 11.3 8.4 12.6

