

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082222\
 Data File : VY010152.D
 Acq On : 22 Aug 2022 18:32
 Operator : KP/MD
 Sample : N4257-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Aug 23 00:16:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

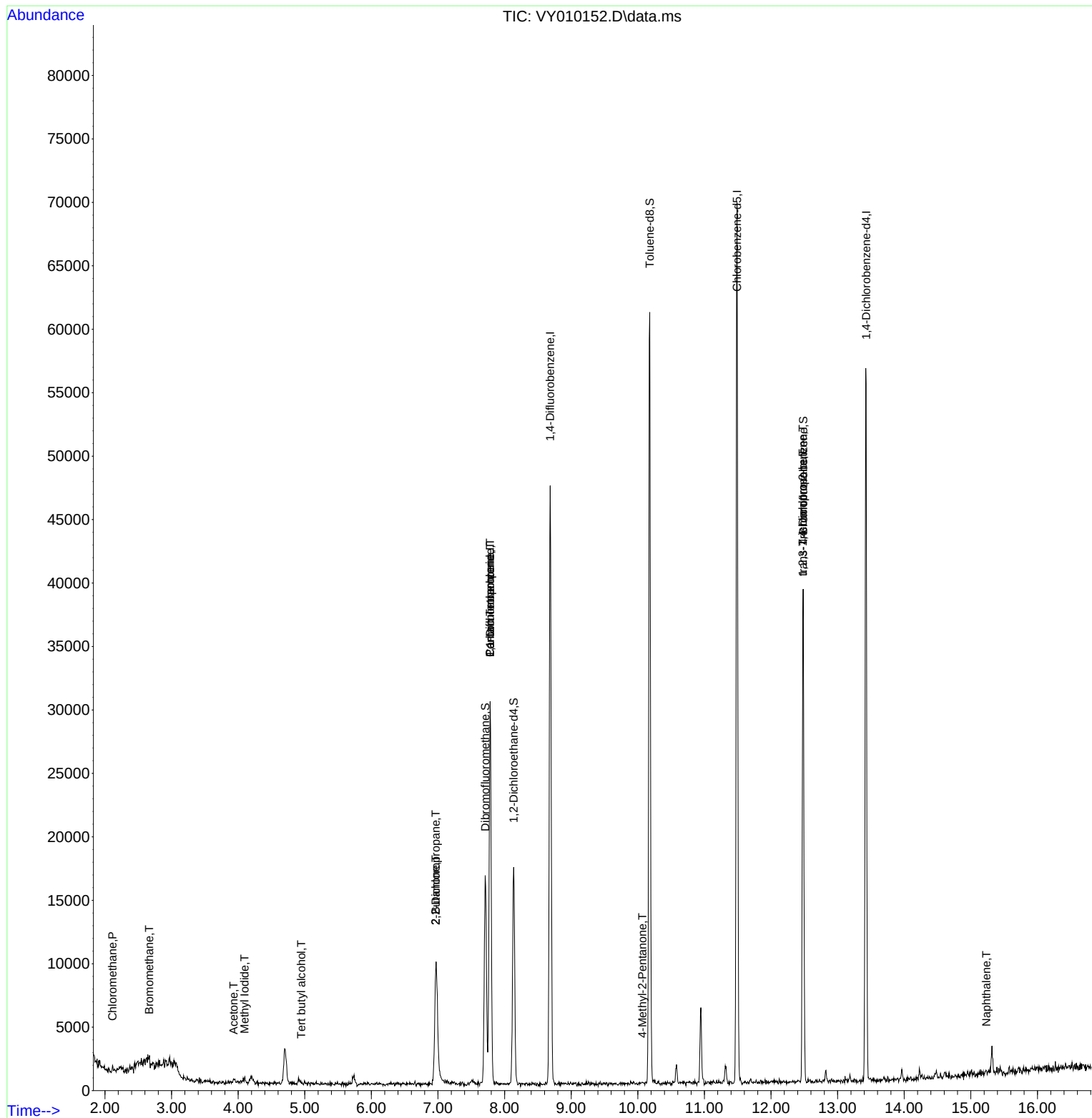
Internal Standards						
1) Pentafluorobenzene	7.783	168	23974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	41898	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	39242	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	15568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	13077	66.594	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.180%			
35) Dibromofluoromethane	7.710	113	11755	49.791	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.580%			
50) Toluene-d8	10.179	98	43025	48.636	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.280%			
62) 4-Bromofluorobenzene	12.483	95	11419	36.127	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 72.260%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	267	1.328	ug/l #	59
5) Bromomethane	2.662	94	292	1.761	ug/l #	74
10) Methyl Iodide	4.094	142	616	2.165	ug/l #	79
11) Tert butyl alcohol	4.948	59	128	16.479	ug/l #	73
16) Acetone	3.930	43	551	11.211	ug/l	88
20) Methylene Chloride	4.698	84	2192	Below Cal	#	82
25) 2-Butanone	6.966	43	512	6.476	ug/l	93
26) 2,2-Dichloropropane	6.966	77	724	1.955	ug/l #	50
36) 1,1-Dichloropropene	7.783	75	1953	5.183	ug/l #	43
38) Carbon Tetrachloride	7.783	117	2345	5.934	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	207	1.108	ug/l #	53
76) 1,2,3-Trichloropropane	12.477	75	5592	38.354	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5592	77.035	ug/l #	18
95) Naphthalene	15.233	128	192	4.189	ug/l #	69

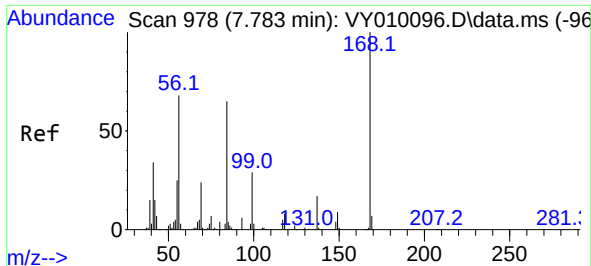
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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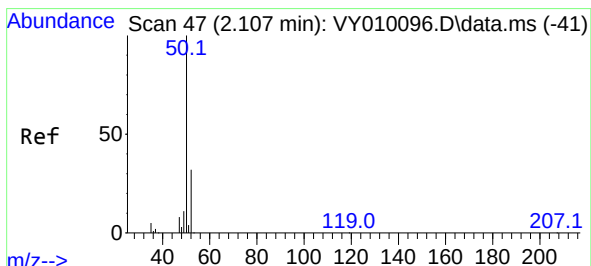
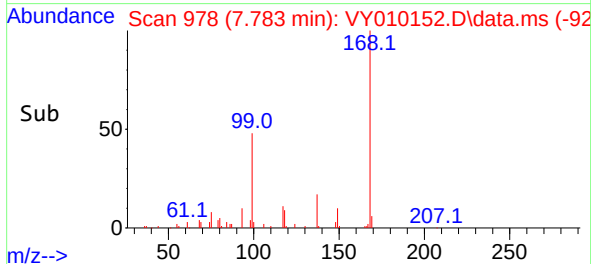
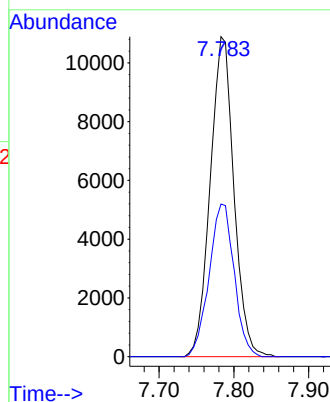
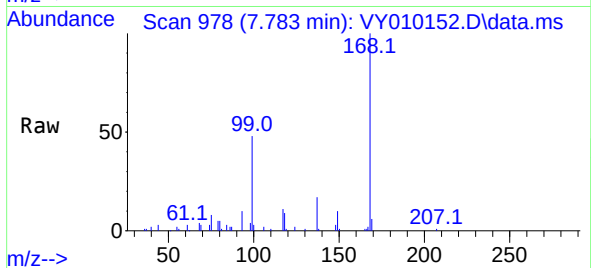




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

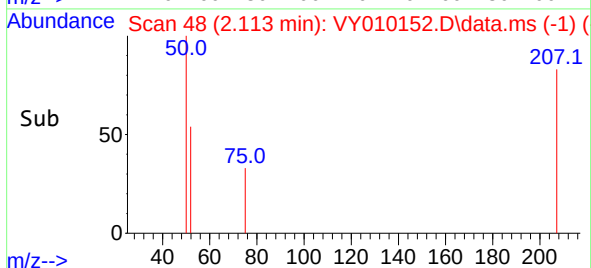
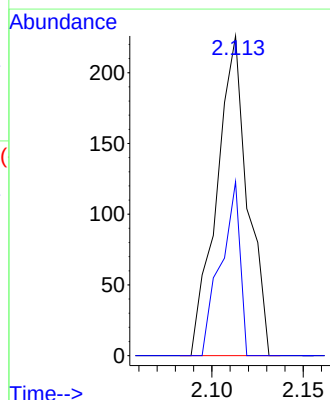
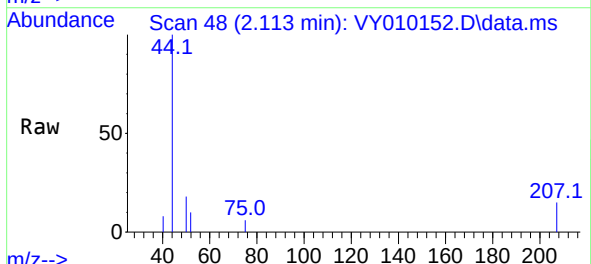
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

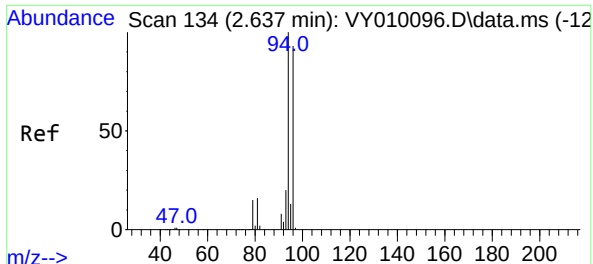
Tgt Ion:168 Resp: 23974
Ion Ratio Lower Upper
168 100
99 47.7 40.7 61.1



#3
Chloromethane
Concen: 1.328 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion: 50 Resp: 267
Ion Ratio Lower Upper
50 100
52 54.4 25.3 37.9#

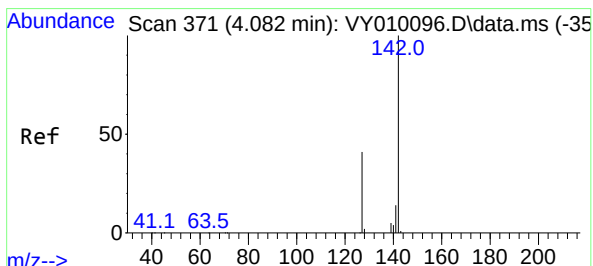
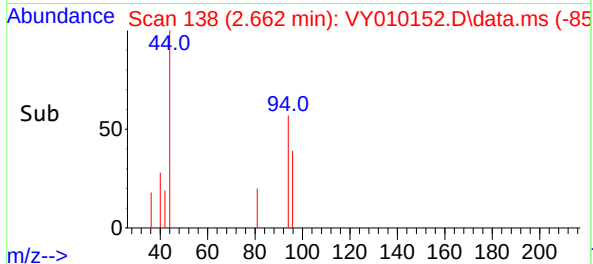
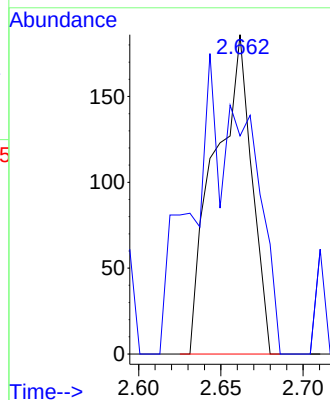
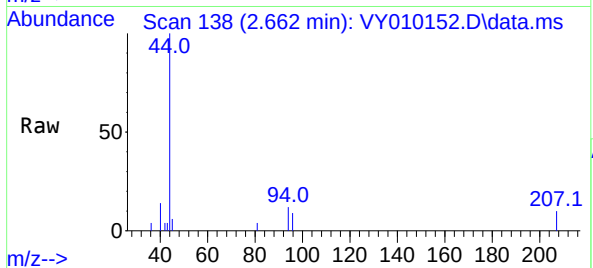




#5
Bromomethane
Concen: 1.761 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

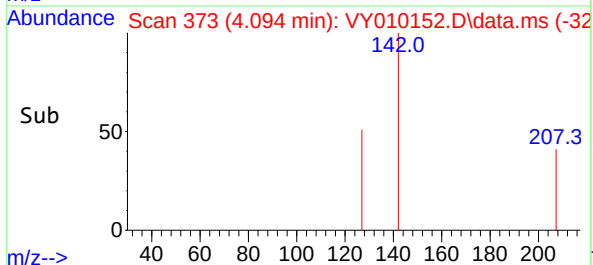
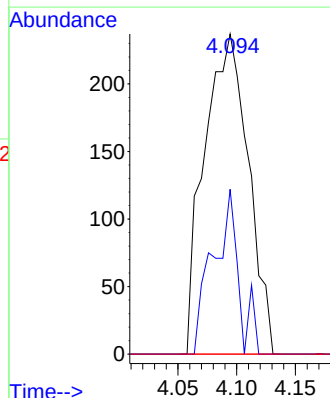
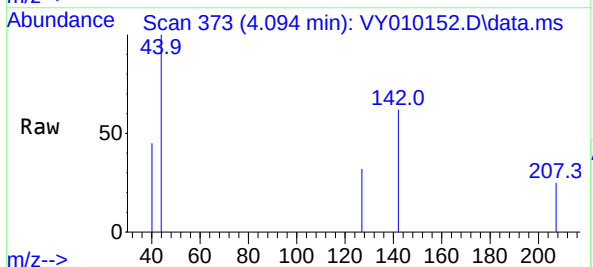
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

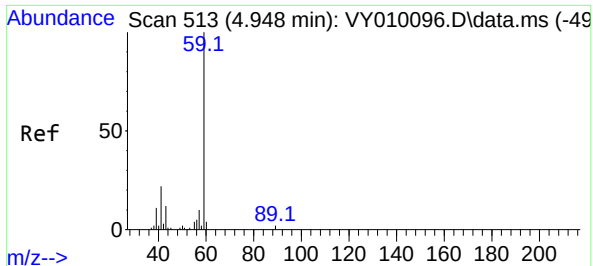
Tgt Ion: 94 Resp: 292
Ion Ratio Lower Upper
94 100
96 68.3 74.3 111.5#



#10
Methyl Iodide
Concen: 2.165 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.012 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion: 142 Resp: 616
Ion Ratio Lower Upper
142 100
127 30.4 32.2 48.4#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 16.479 ug/l

RT: 4.948 min Scan# 513

Delta R.T. -0.000 min

Lab File: VY010152.D

Acq: 22 Aug 2022 18:32

Instrument :

MSVOA_Y

ClientSampleId :

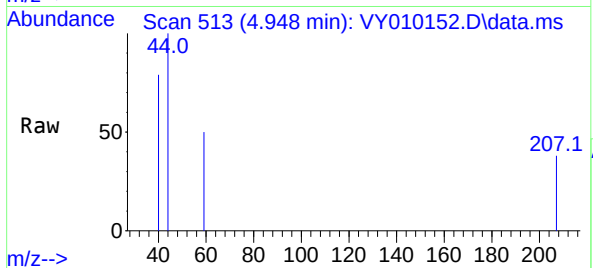
VNJ-210

Tgt Ion: 59 Resp: 128

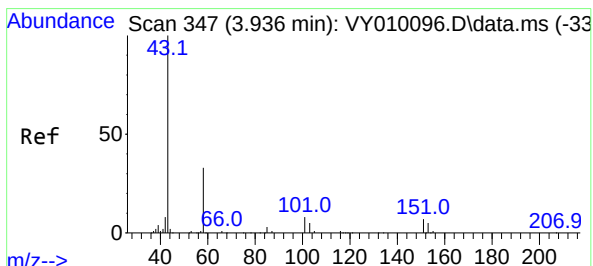
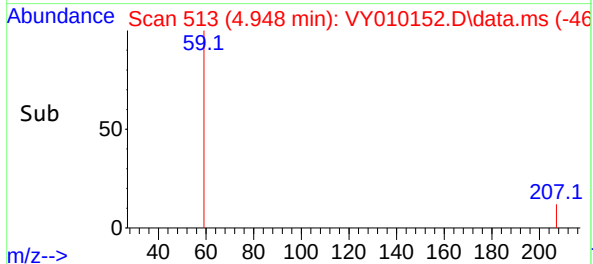
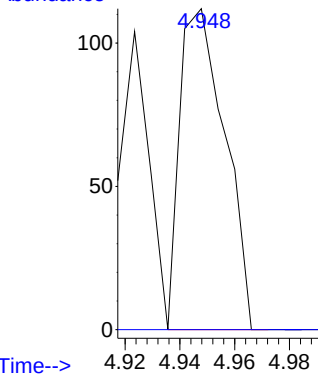
Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance



#16

Acetone

Concen: 11.211 ug/l

RT: 3.930 min Scan# 346

Delta R.T. -0.006 min

Lab File: VY010152.D

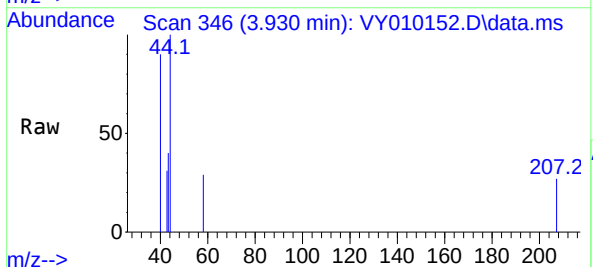
Acq: 22 Aug 2022 18:32

Tgt Ion: 43 Resp: 551

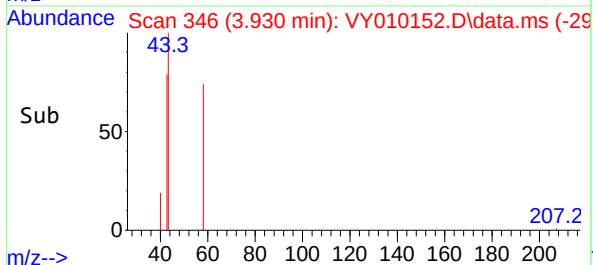
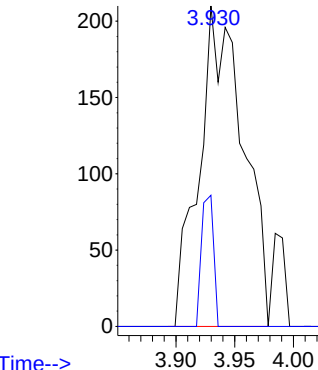
Ion Ratio Lower Upper

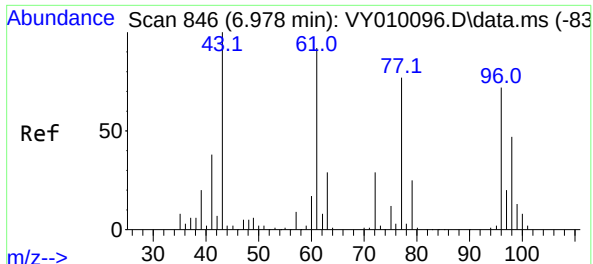
43 100

58 41.0 27.4 41.0



Abundance





#25

2-Butanone

Concen: 6.476 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY010152.D

Acq: 22 Aug 2022 18:32

Instrument :

MSVOA_Y

ClientSampleId :

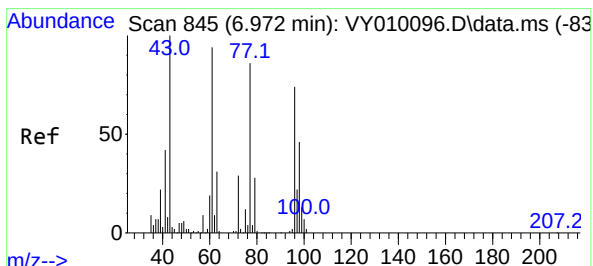
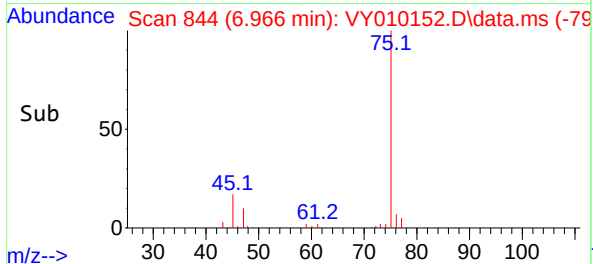
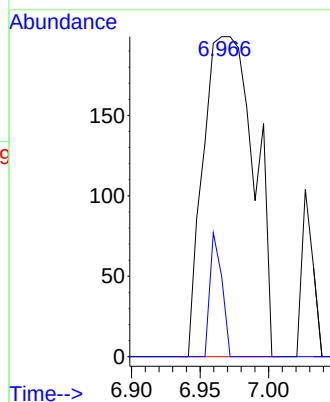
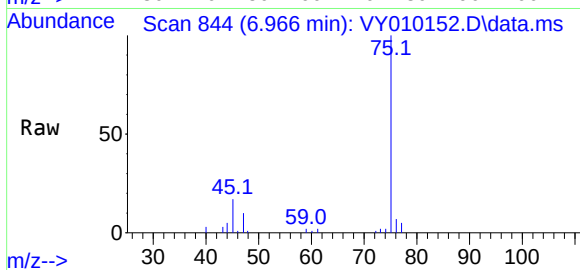
VNJ-210

Tgt Ion: 43 Resp: 512

Ion Ratio Lower Upper

43 100

72 25.1 23.2 34.8



#26

2,2-Dichloropropane

Concen: 1.955 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010152.D

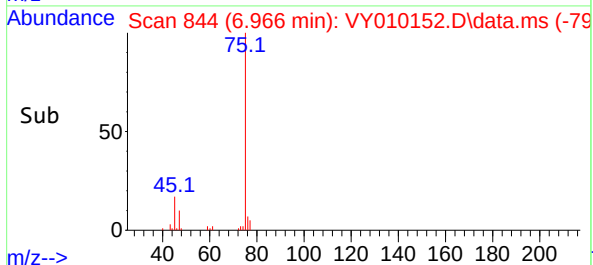
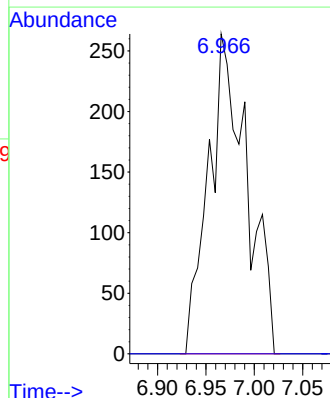
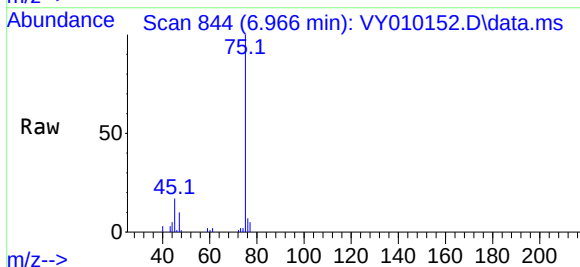
Acq: 22 Aug 2022 18:32

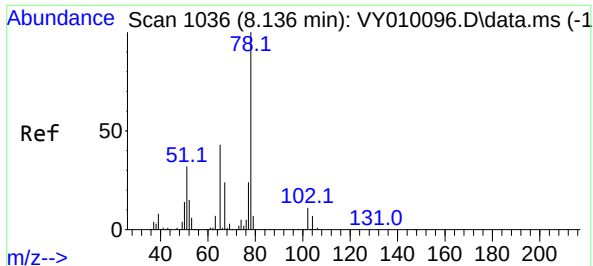
Tgt Ion: 77 Resp: 724

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#





#33

1,2-Dichloroethane-d4

Concen: 66.594 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010152.D

Acq: 22 Aug 2022 18:32

Instrument :

MSVOA_Y

ClientSampleId :

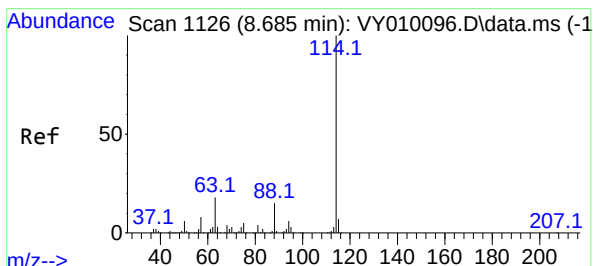
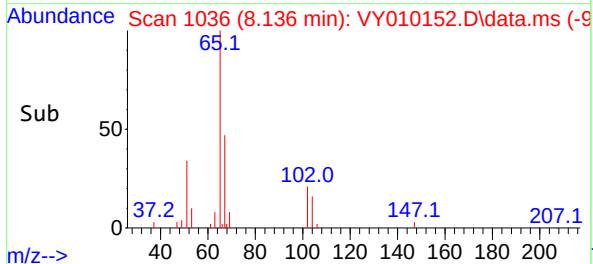
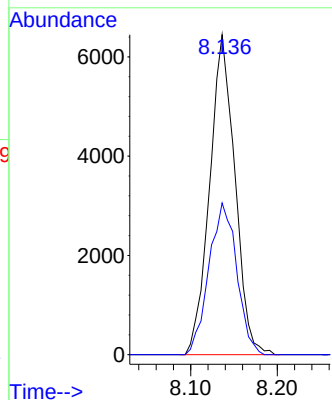
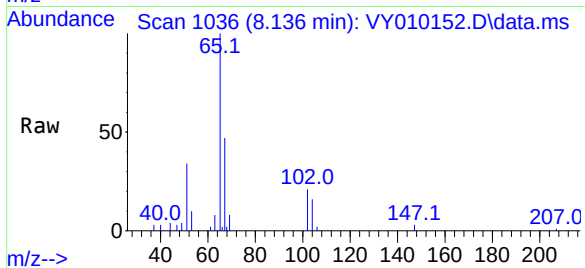
VNJ-210

Tgt Ion: 65 Resp: 13077

Ion Ratio Lower Upper

65 100

67 52.1 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY010152.D

Acq: 22 Aug 2022 18:32

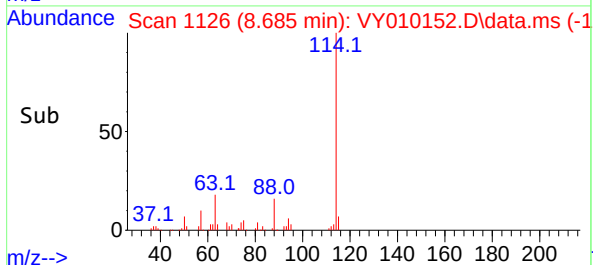
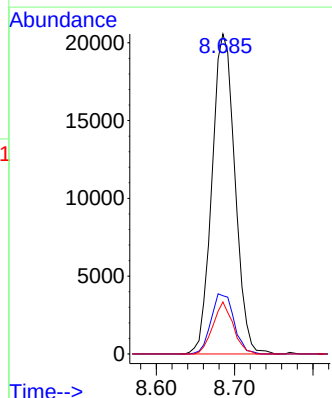
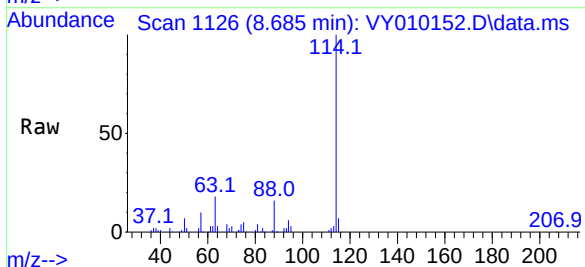
Tgt Ion: 114 Resp: 41898

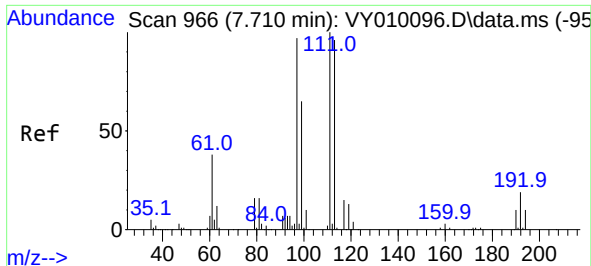
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 16.2 0.0 29.6

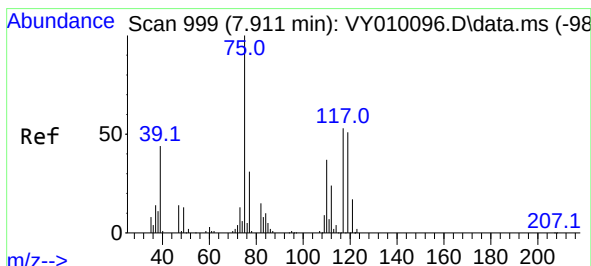
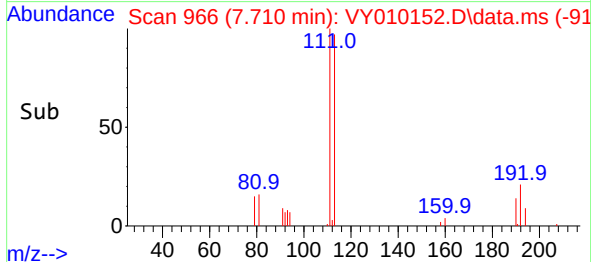
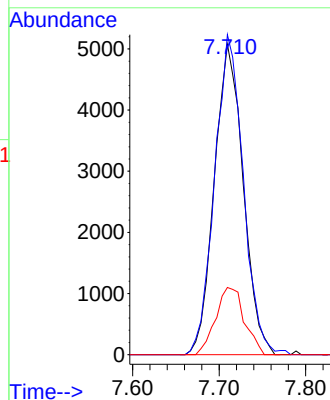
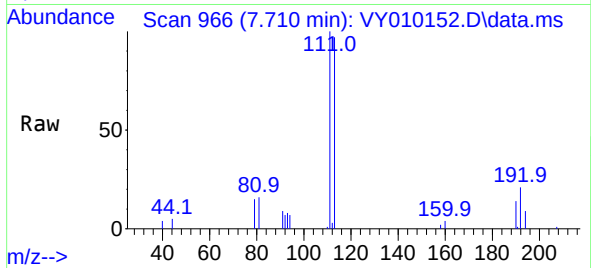




#35
Dibromofluoromethane
Concen: 49.791 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

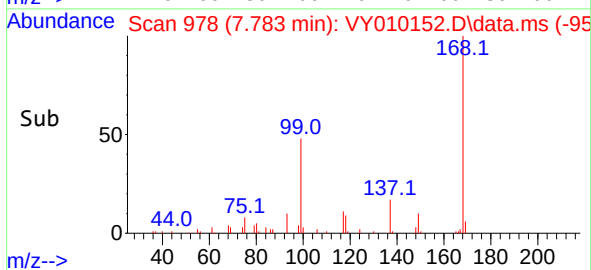
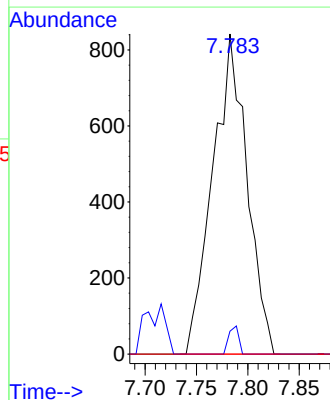
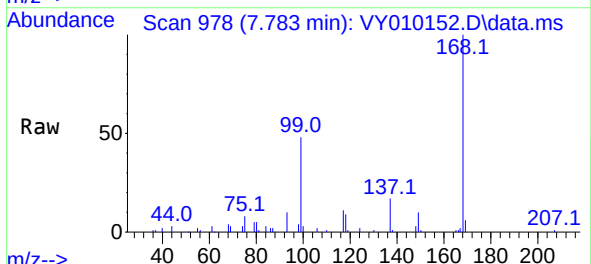
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ClientSampleId :
VNJ-210

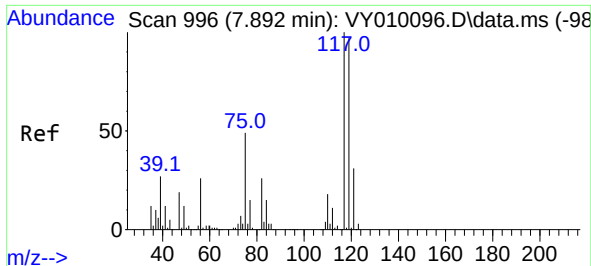
Tgt Ion:	113	Resp:	11755
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.8	124.2
192	21.5	16.3	24.5



#36
1,1-Dichloropropene
Concen: 5.183 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion:	75	Resp:	1953
Ion	Ratio	Lower	Upper
75	100		
110	2.5	18.6	56.0#
77	0.0	24.9	37.3#

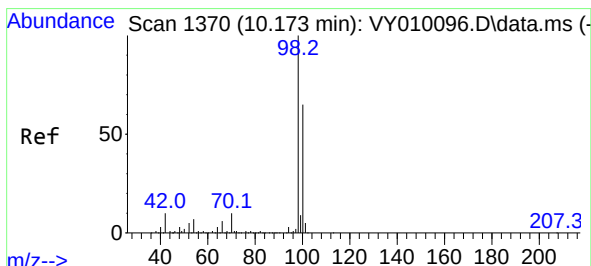
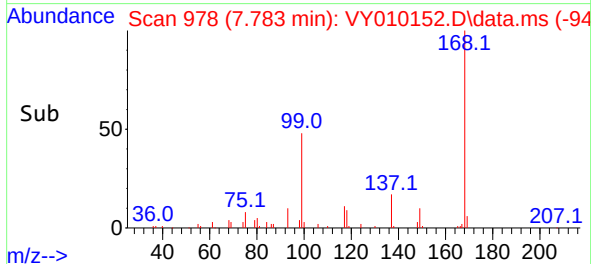
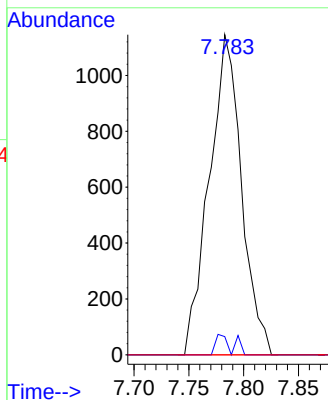
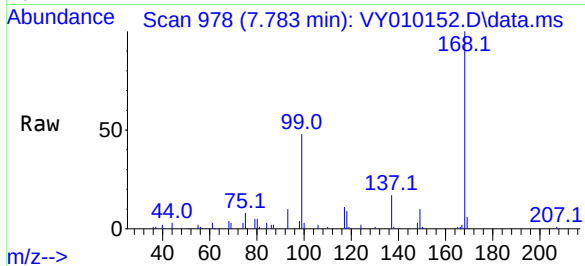




#38
Carbon Tetrachloride
Concen: 5.934 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

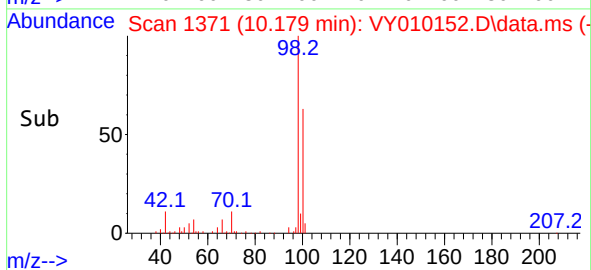
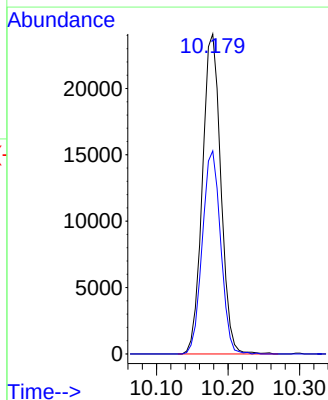
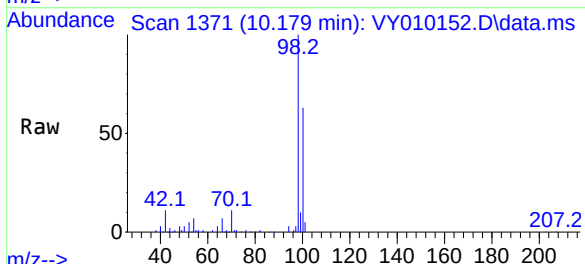
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

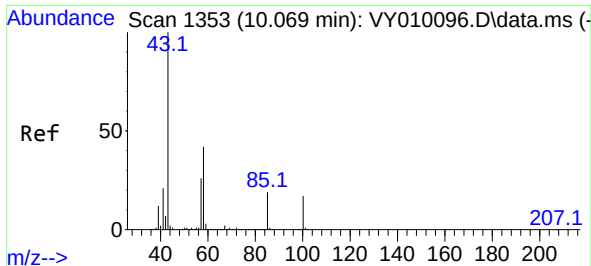
Tgt Ion:117 Resp: 2345
Ion Ratio Lower Upper
117 100
119 5.7 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.636 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion: 98 Resp: 43025
Ion Ratio Lower Upper
98 100
100 63.2 51.9 77.9

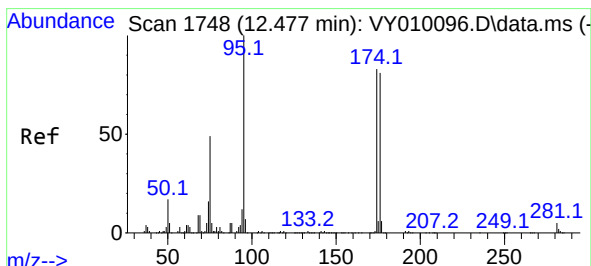
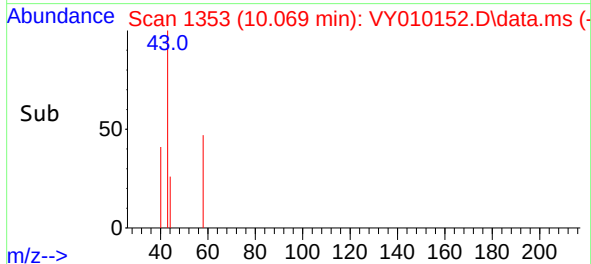
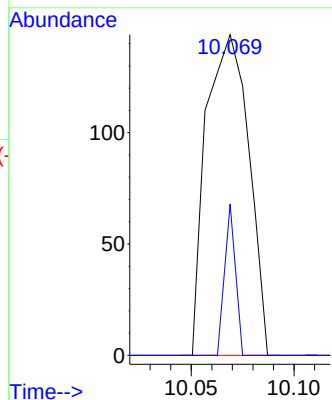
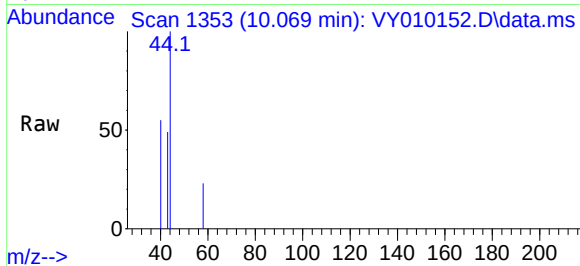




#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

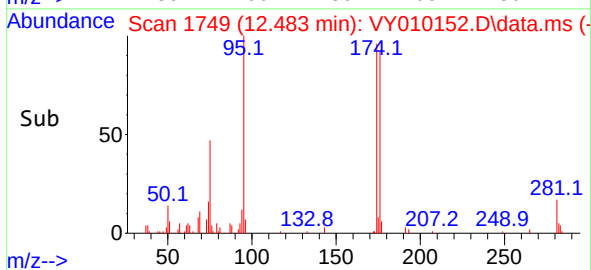
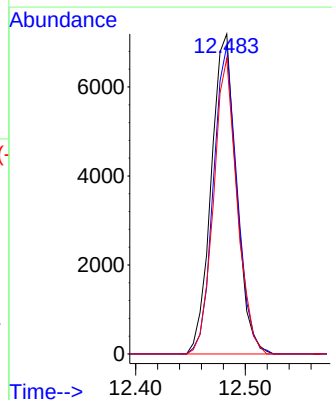
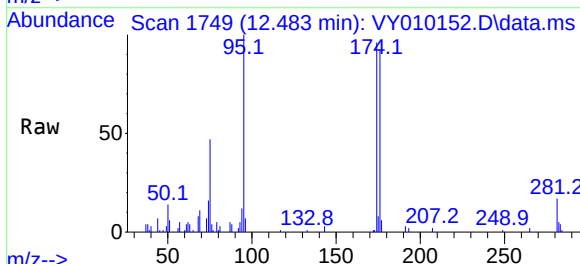
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

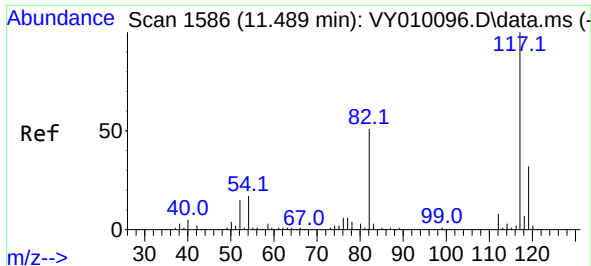
Tgt Ion: 43 Resp: 207
Ion Ratio Lower Upper
43 100
58 12.1 33.3 49.9#



#62
4-Bromofluorobenzene
Concen: 36.127 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion: 95 Resp: 11419
Ion Ratio Lower Upper
95 100
174 91.7 0.0 173.8
176 86.5 0.0 167.2

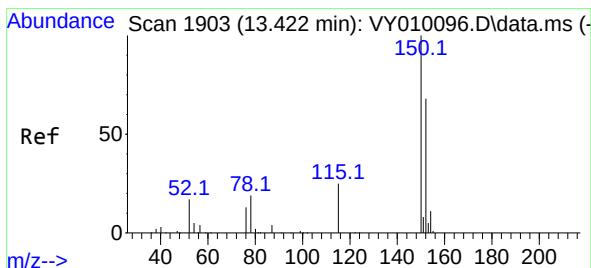
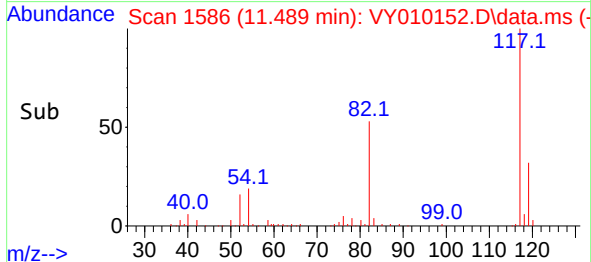
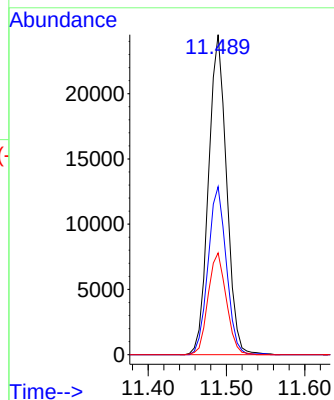
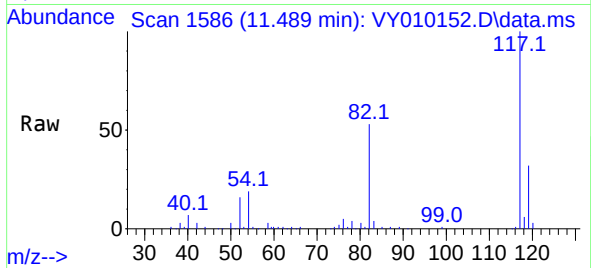




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

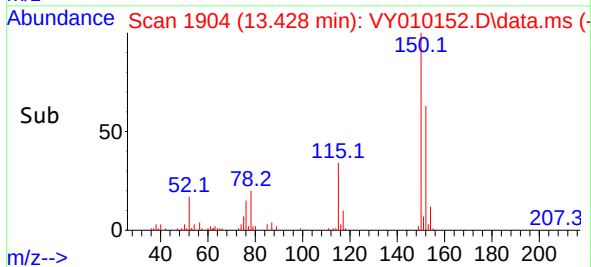
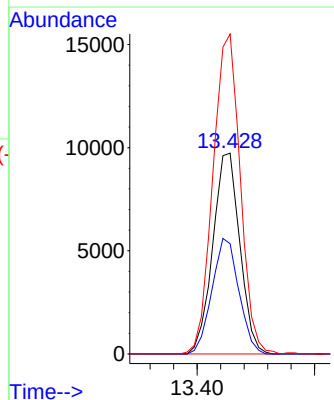
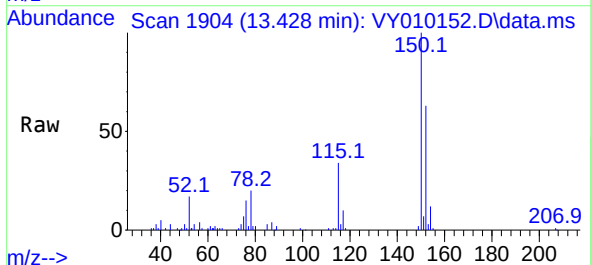
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

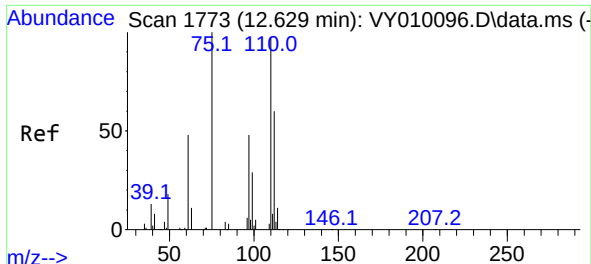
Tgt Ion:117	Resp:	39242
Ion	Ratio	Lower Upper
117	100	
82	52.5	40.6 61.0
119	31.8	25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Tgt Ion:152	Resp:	15568
Ion	Ratio	Lower Upper
152	100	
115	57.2	28.1 84.2
150	160.8	0.0 346.2

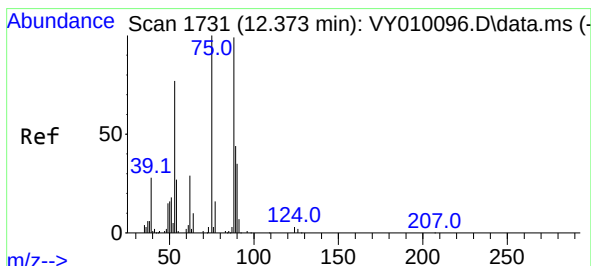
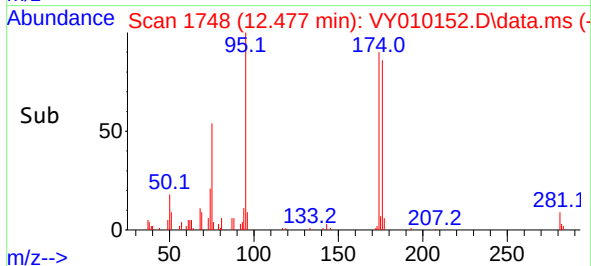
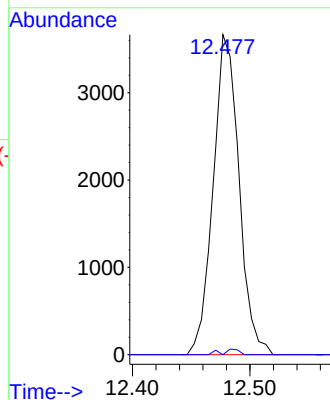
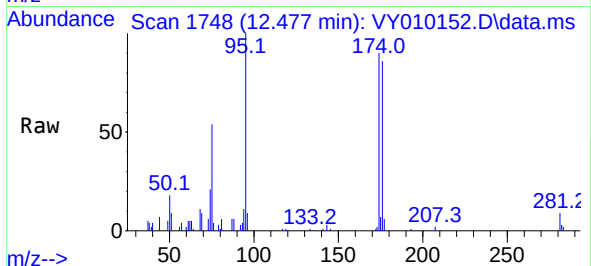




#76
1,2,3-Trichloropropane
Concen: 38.354 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

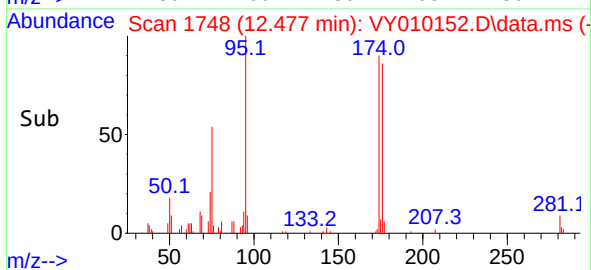
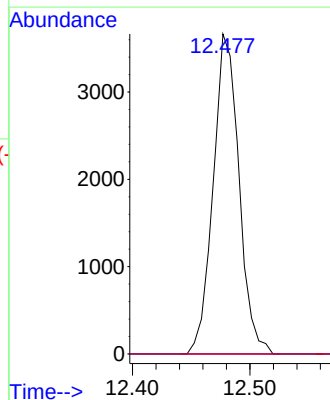
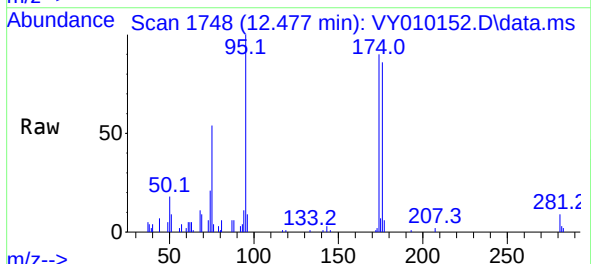
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

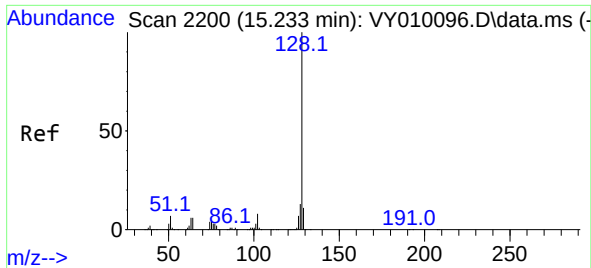
Tgt Ion: 75 Resp: 5592
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.035 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

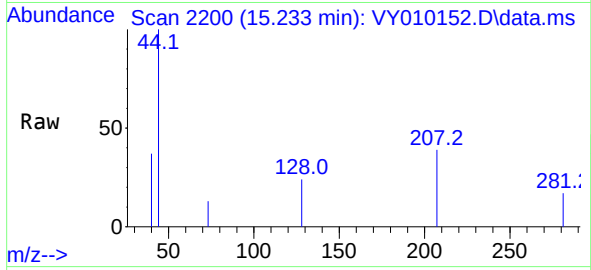
Tgt Ion: 75 Resp: 5592
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#





#95
Naphthalene
Concen: 4.189 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010152.D
Acq: 22 Aug 2022 18:32

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210



Tgt Ion:	128	Resp:	192
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.9	13.3#

