

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110220\
 Data File : VN064418.D
 Acq On : 2 Nov 2020 16:42
 Operator : JC/MD
 Sample : VN1102WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VN1102WBL01

Quant Time: Nov 02 17:03:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 02 15:45:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	39411	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	215908	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	184011	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	99928	31.06	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.53%
60) 4-Bromofluorobenzene	12.38	95	79994	25.72	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.73%
63) Toluene-d8	10.06	98	251737	30.68	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.27%

Target Compounds

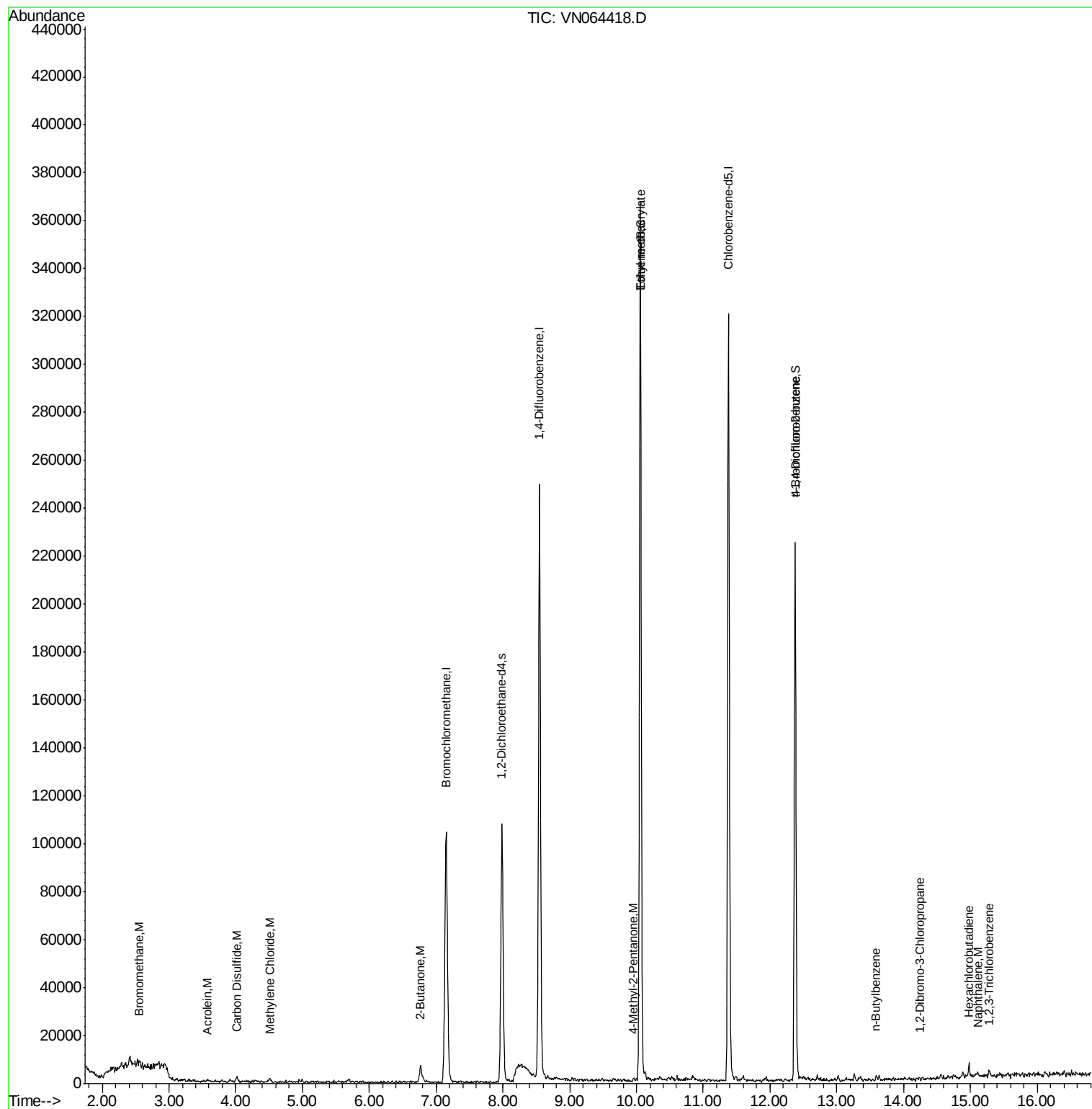
					Ovalue	
5) Bromomethane	2.55	94	835	0.474	ug/l #	57
13) Acrolein	3.59	56	233	1.082	ug/l #	53
16) Carbon Disulfide	4.01	76	2720	0.450	ug/l #	93
18) Methylene Chloride	4.51	84	565	0.229	ug/l #	77
30) 2-Butanone	6.77	43	350	0.222	ug/l #	57
51) Ethyl methacrylate	10.05	69	952	0.270	ug/l #	18
58) 4-Methyl-2-Pentanone	9.96	43	1312	0.450	ug/l #	52
77) t-1,4-Dichloro-2-butene	12.38	75	42246	38.701	ug/l #	7
85) n-Butylbenzene	13.59	91	1360	0.209	ug/l	69
88) 1,2-Dibromo-3-Chloropropan	14.25	75	166	0.260	ug/l #	3
90) Hexachlorobutadiene	14.98	225	1148	0.972	ug/l	80
91) Naphthalene	15.12	128	2285	0.347	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.28	180	927	0.422	ug/l	36

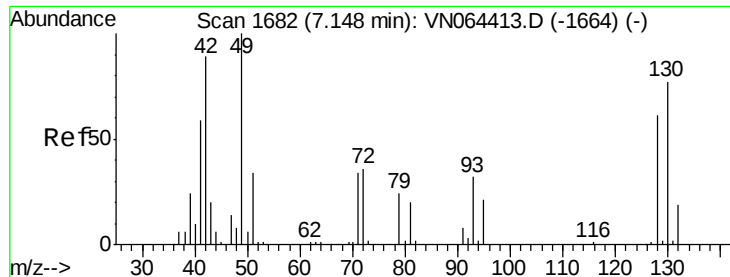
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110220\
Data File : VN064418.D
Acq On : 2 Nov 2020 16:42
Operator : JC/MD
Sample : VN1102WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VN1102WBL01

Quant Time: Nov 02 17:03:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N110220W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 02 15:45:48 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VN1102WBL01

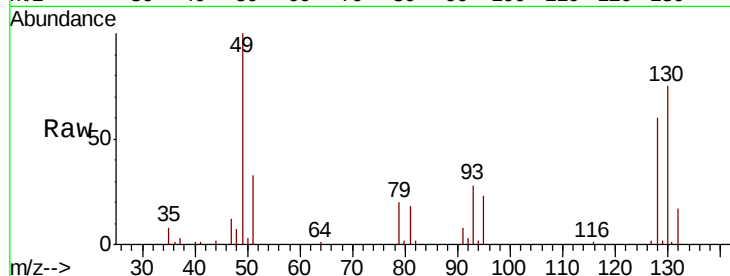
Tot Ion:128 Resp: 39411

Ion Ratio Lower Upper

128 100

49 167.9 0.0 423.5

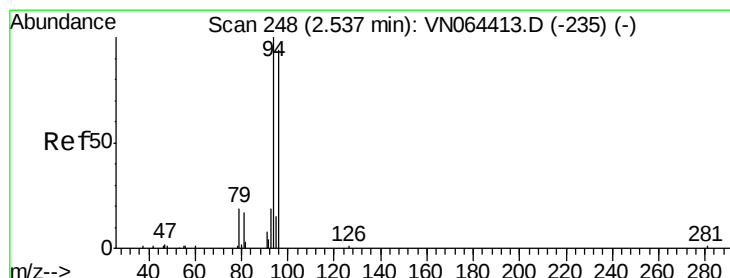
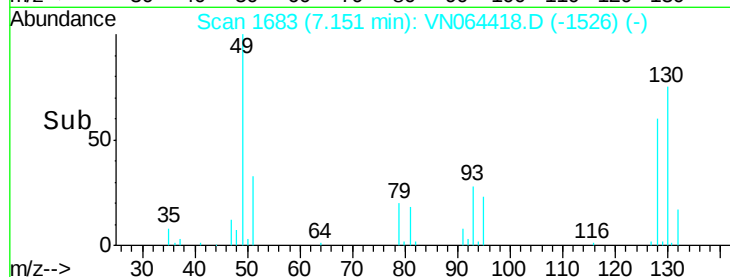
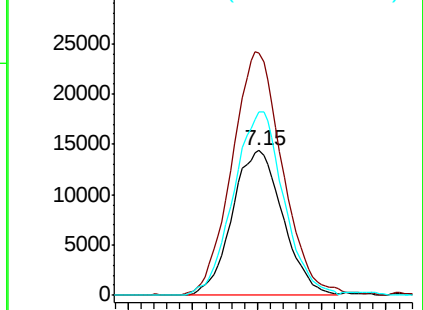
130 125.1 0.0 325.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#5

Bromomethane

Concen: 0.474 ug/l

RT: 2.55 min Scan# 252

Delta R.T. 0.01 min

Lab File: VN064418.D

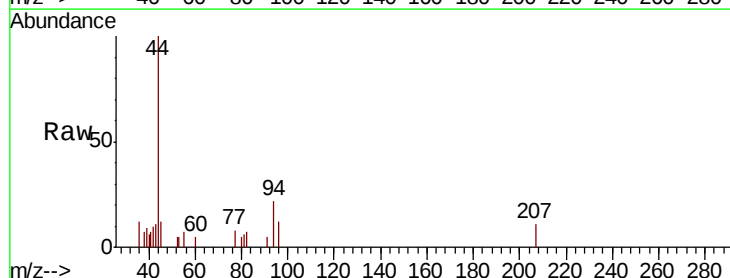
Acq: 2 Nov 2020 16:42

Tgt Ion: 94 Resp: 835

Ion Ratio Lower Upper

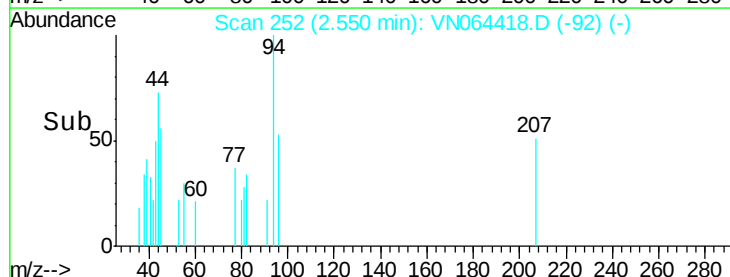
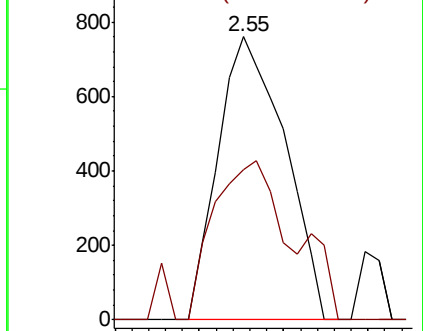
94 100

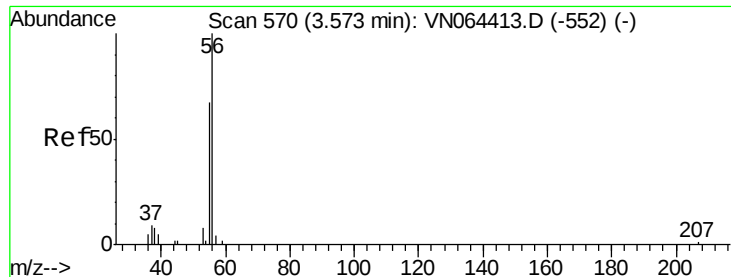
96 52.9 75.2 112.8#



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0





#13

Acrolein

Concen: 1.082 ug/l

RT: 3.59 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

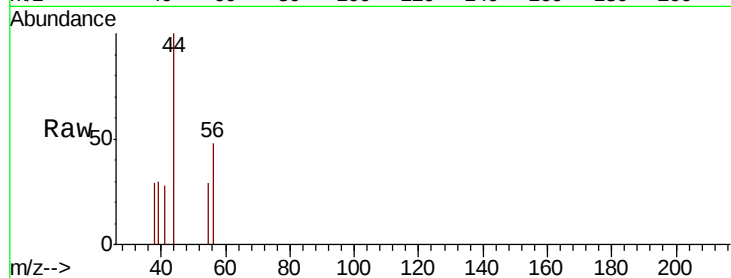
VN1102WBL01

Tot Ion: 56 Resp: 233

Ion Ratio Lower Upper

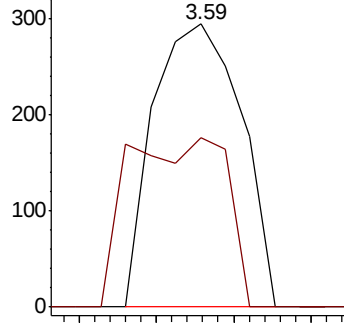
56 100

55 28.3 52.5 78.7#

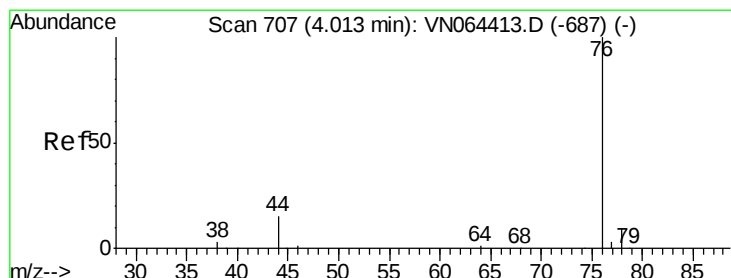
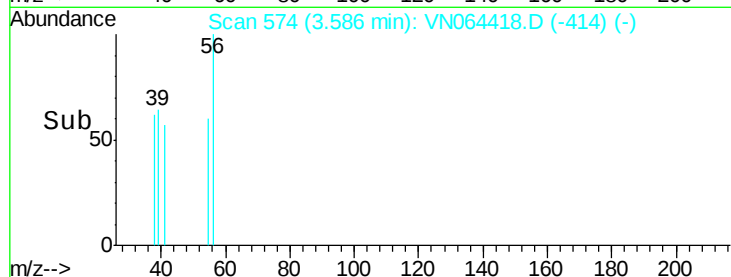


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Carbon Disulfide

Concen: 0.450 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064418.D

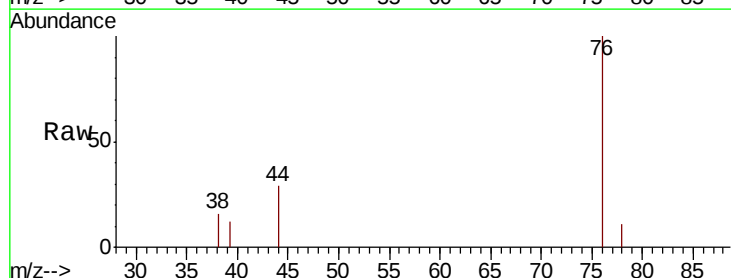
Acq: 2 Nov 2020 16:42

Tgt Ion: 76 Resp: 2720

Ion Ratio Lower Upper

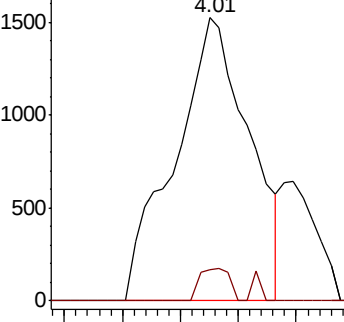
76 100

78 11.1 7.0 10.6#

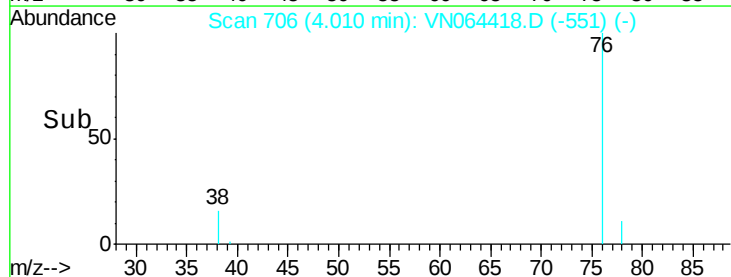


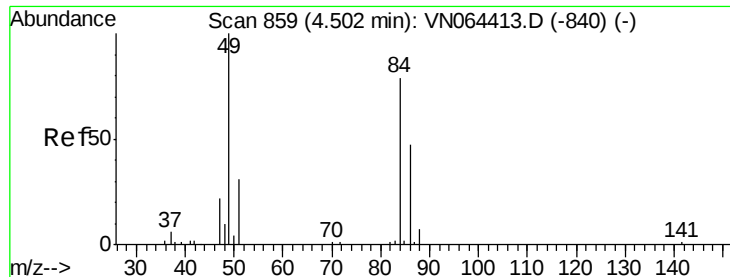
Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



Time-->

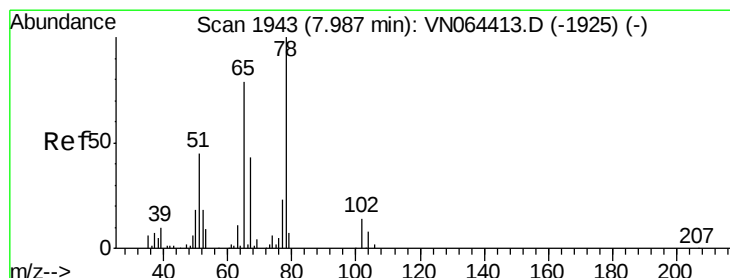
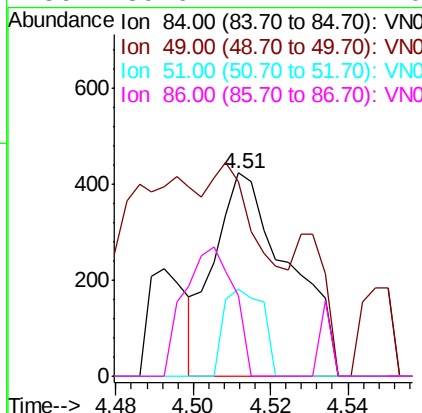
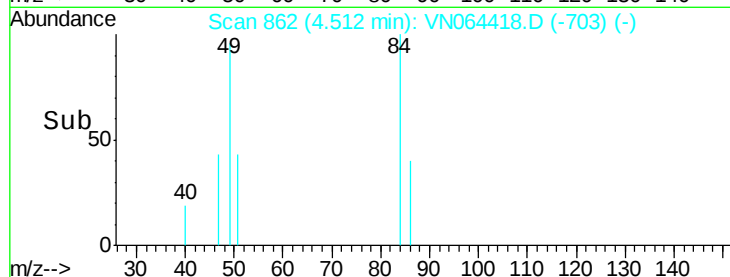
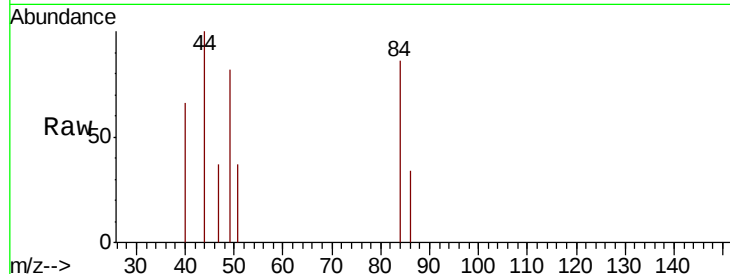




#18
Methvlene Chloride
Concen: 0.229 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

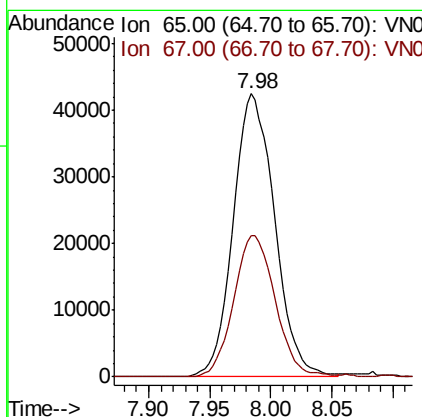
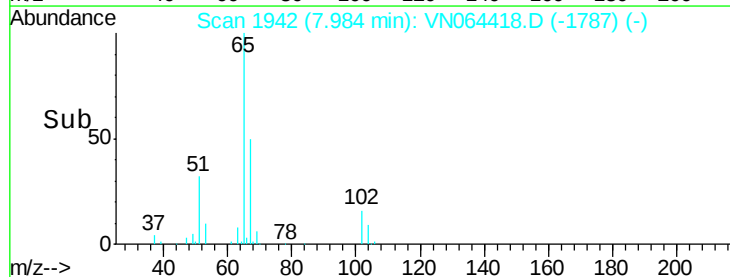
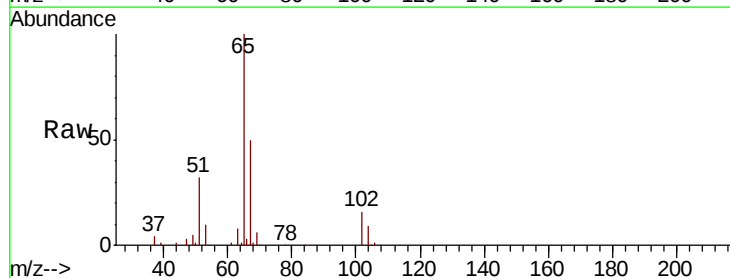
Instrument :
MSVOA_Y
ClientSampleId :
VN1102WBL01

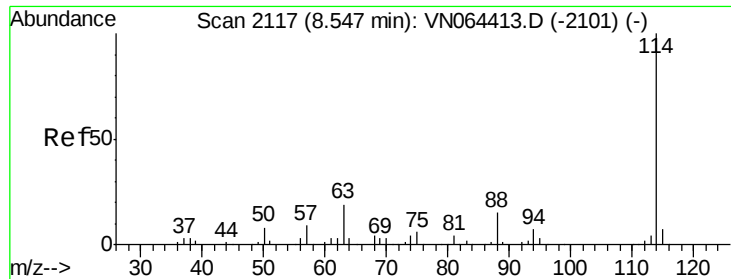
Tot Ion: 84 Resp: 565
Ion Ratio Lower Upper
84 100
49 95.5 101.0 151.4#
51 42.7 31.2 46.8
86 39.6 47.4 71.0#



#27
1,2-Dichloroethane-d4
Concen: 31.058 ug/l
RT: 7.98 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

Tgt Ion: 65 Resp: 99928
Ion Ratio Lower Upper
65 100
67 49.8 40.6 61.0

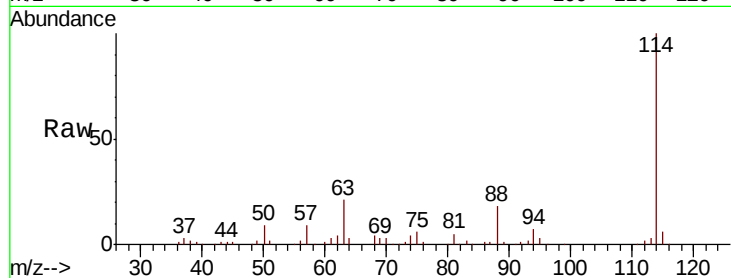




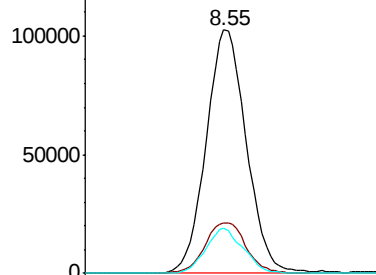
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN064418.D
 Acq: 2 Nov 2020 16:42

Instrument :
 MSVOA_Y
 ClientSampled :
 VN1102WBL01

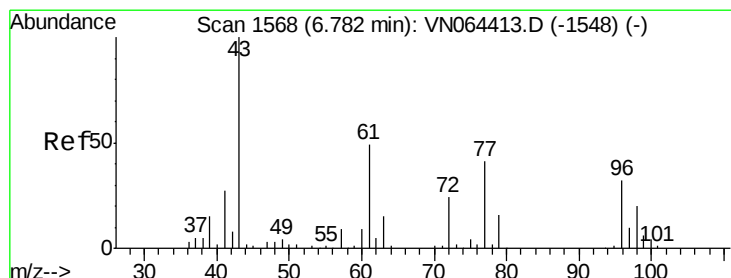
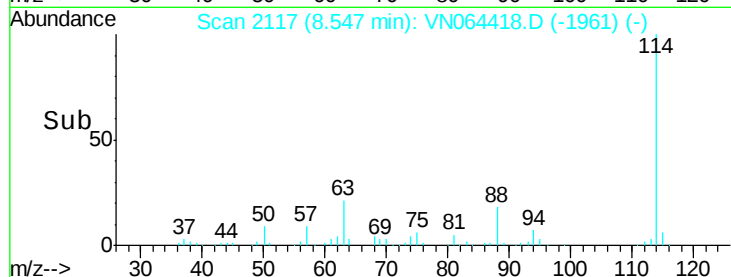
Tot Ion:114 Resp: 215908
 Ion Ratio Lower Upper
 114 100
 63 21.3 16.2 24.4
 88 17.3 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

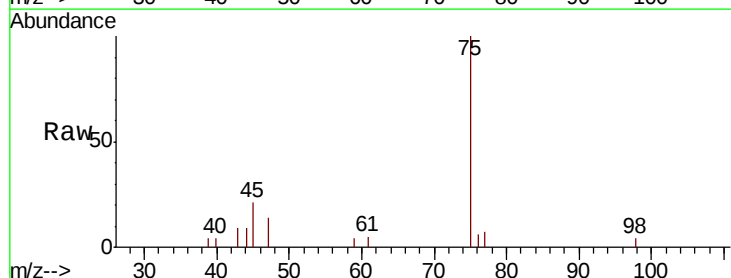


Time--> 8.45 8.50 8.55 8.60 8.65

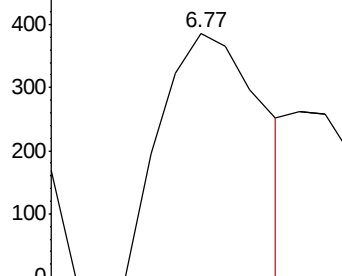


#30
 2-Butanone
 Concen: 0.222 ug/l
 RT: 6.77 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VN064418.D
 Acq: 2 Nov 2020 16:42

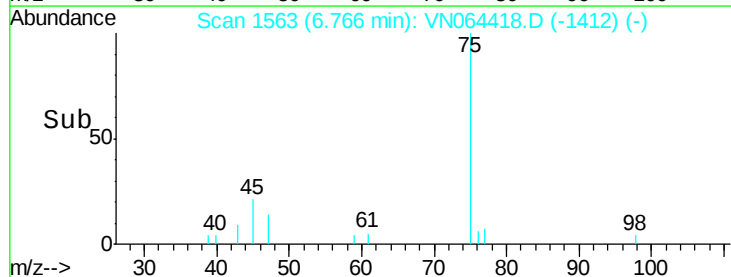
Tgt Ion: 43 Resp: 350
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.6 9.8#
 72 0.0 20.0 30.0#

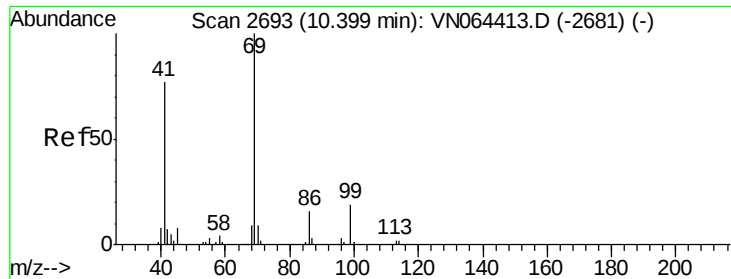


Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 57.00 (56.70 to 57.70): VN
 Ion 72.00 (71.70 to 72.70): VN



Time--> 6.75 6.76 6.77 6.78

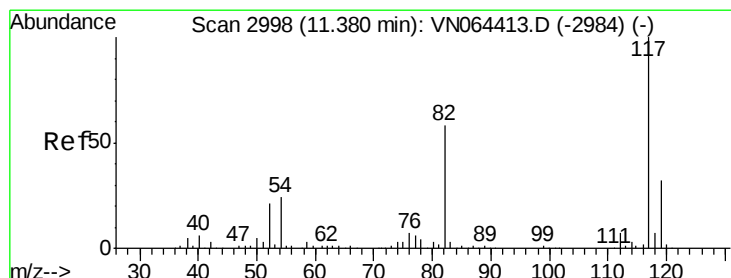
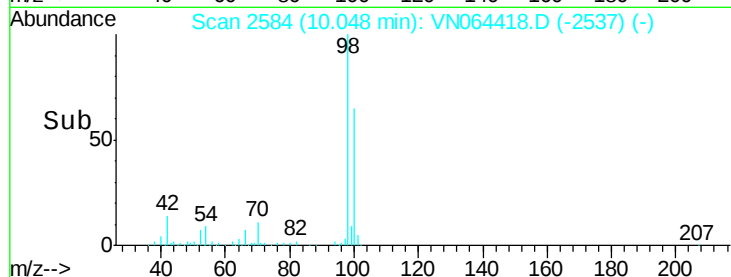
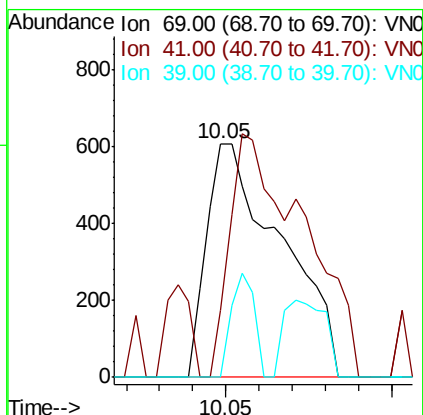
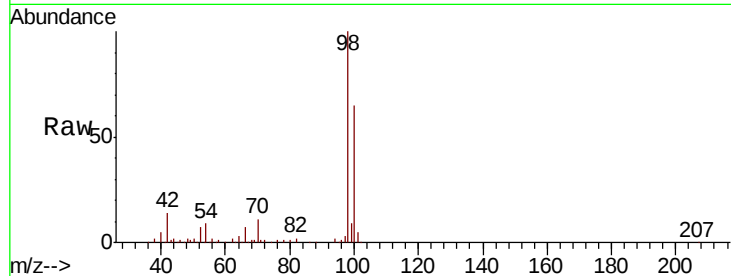




#51
Ethyl methacrylate
Concen: 0.270 ug/l
RT: 10.05 min Scan# 2584
Delta R.T. -0.35 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

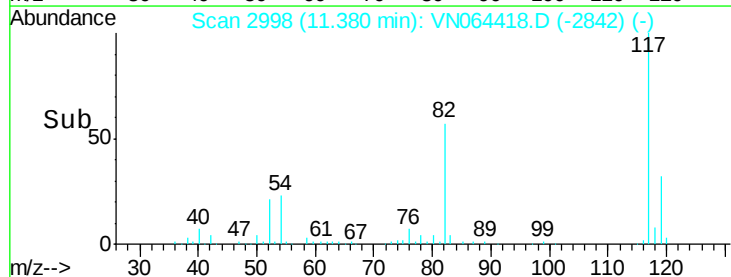
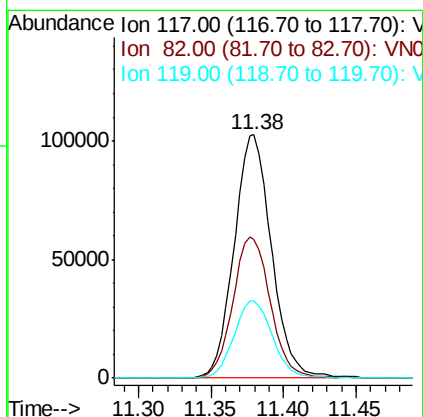
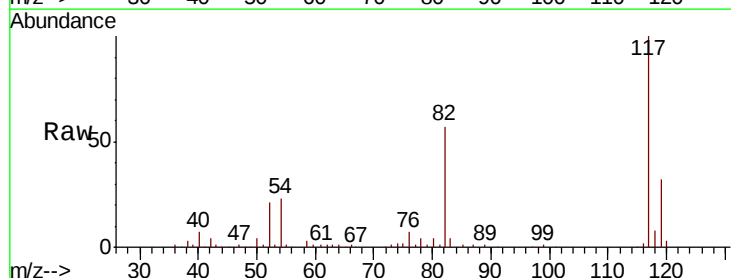
Instrument :
MSVOA_Y
ClientSampleId :
VN1102WBL01

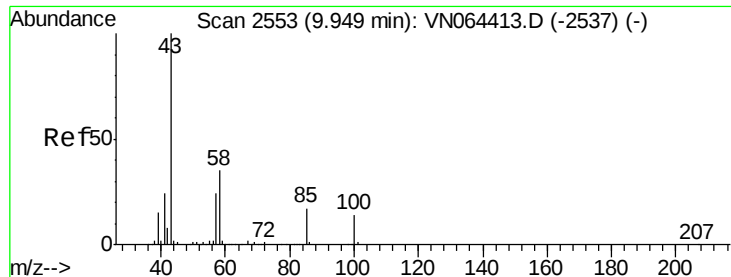
Tot Ion: 69 Resp: 952
Ion Ratio Lower Upper
69 100
41 0.0 38.4 115.2#
39 0.0 22.7 68.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

Tgt Ion: 117 Resp: 184011
Ion Ratio Lower Upper
117 100
82 57.9 46.1 69.1
119 32.6 26.2 39.2

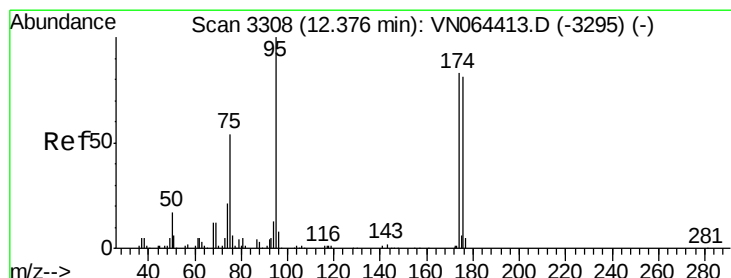
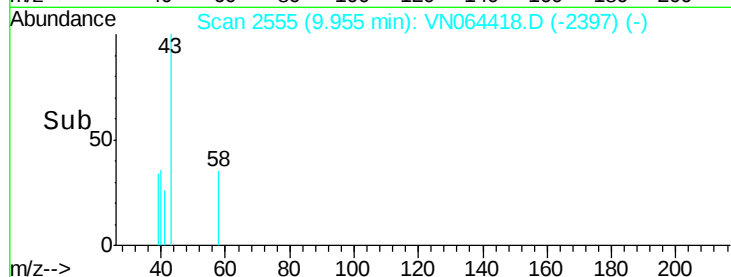
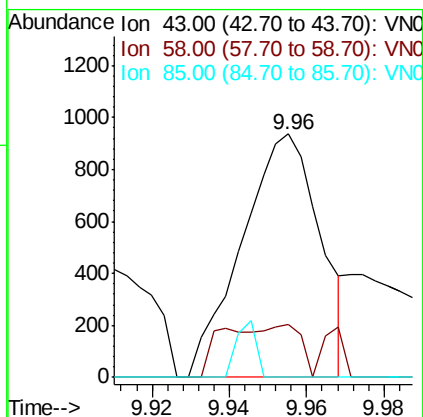
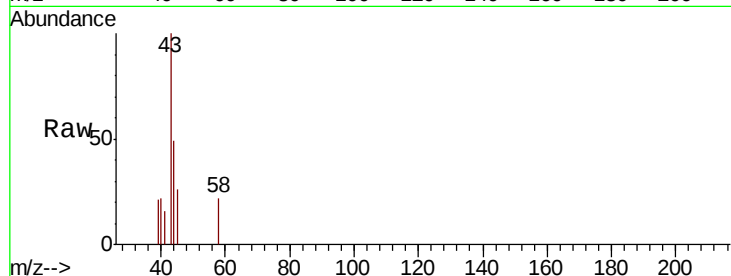




#58
4-Methyl-2-Pentanone
Concen: 0.450 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.01 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

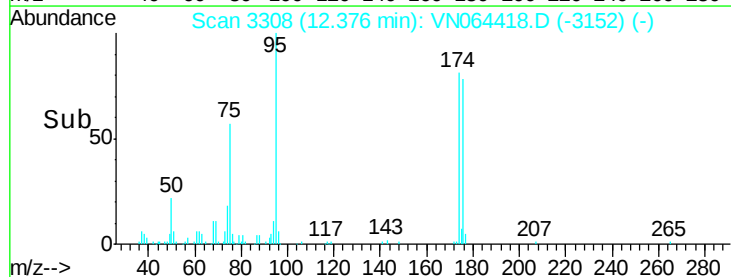
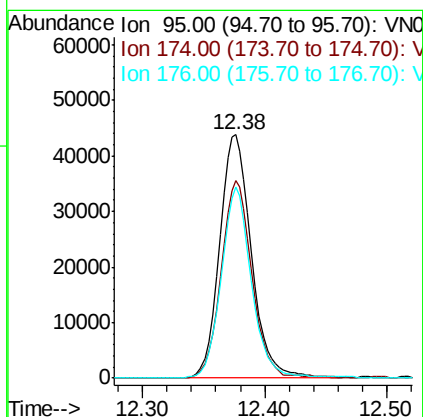
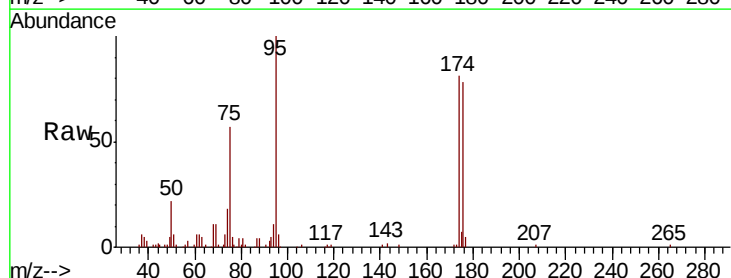
Instrument :
MSVOA_Y
ClientSampleId :
VN1102WBL01

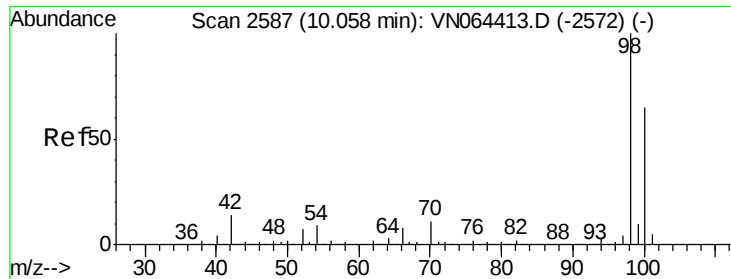
Tot Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 5.1 28.6 43.0#
85 0.0 13.5 20.3#



#60
4-Bromofluorobenzene
Concen: 25.723 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

Tgt Ion: 95 Resp: 79994
Ion Ratio Lower Upper
95 100
174 78.0 65.2 97.8
176 74.1 62.2 93.4





#63

Toluene-d8

Concen: 30.679 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

Instrument :

MSVOA_Y

ClientSampled :

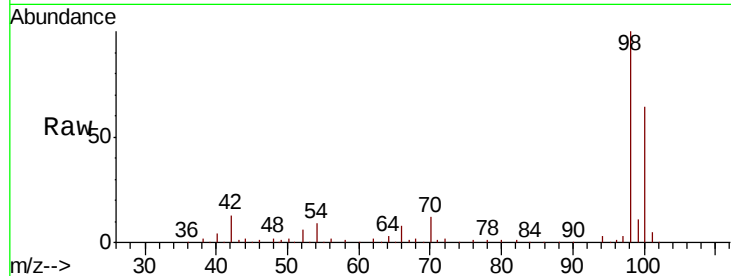
VN1102WBL01

Tot Ion: 98 Resp: 251737

Ion Ratio Lower Upper

98 100

100 62.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

150000

100000

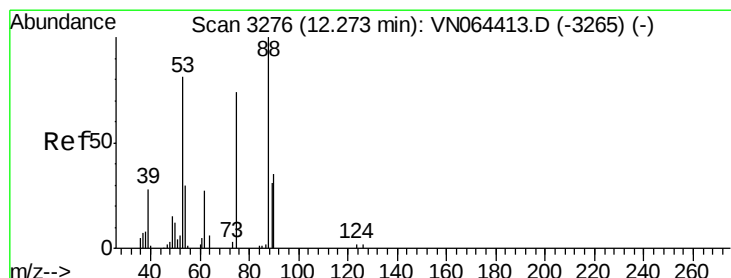
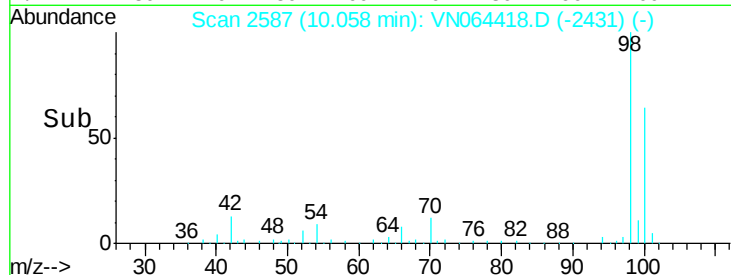
50000

0

10.06

10.00 10.05 10.10 10.15

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 38.701 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

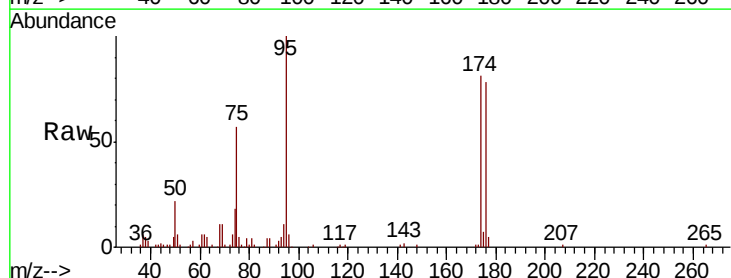
Tgt Ion: 75 Resp: 42246

Ion Ratio Lower Upper

75 100

53 0.0 54.1 162.4#

89 0.0 23.1 69.3#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

30000

20000

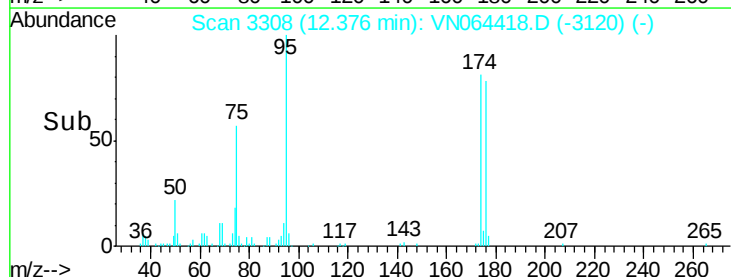
10000

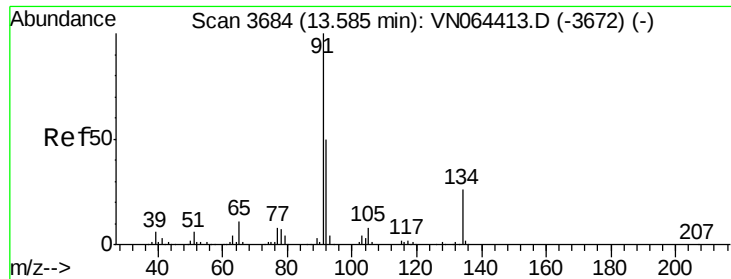
0

12.38

12.30 12.35 12.40

Time-->

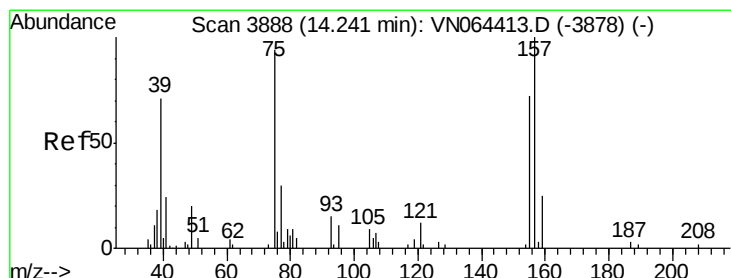
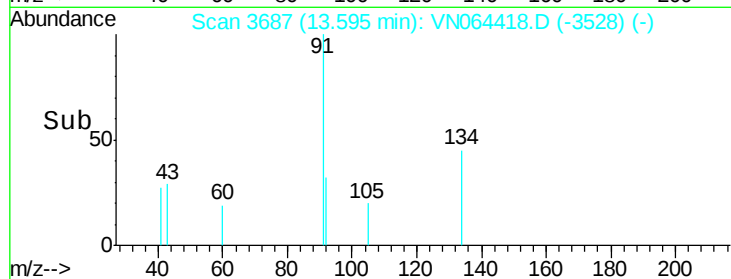
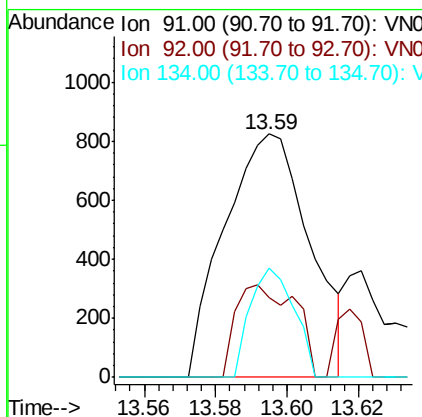
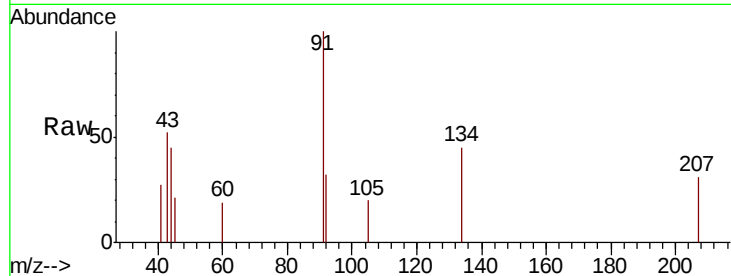




#85
n-Butylbenzene
Concen: 0.209 ug/l
RT: 13.59 min Scan# 3687
Delta R.T. 0.01 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

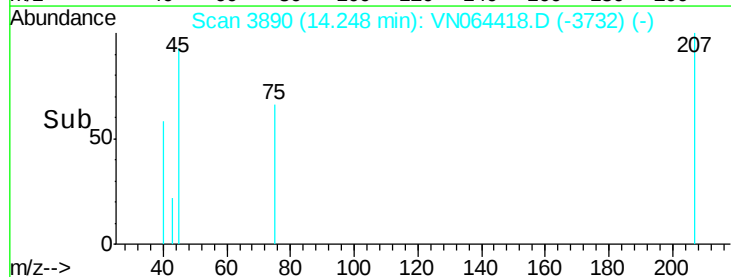
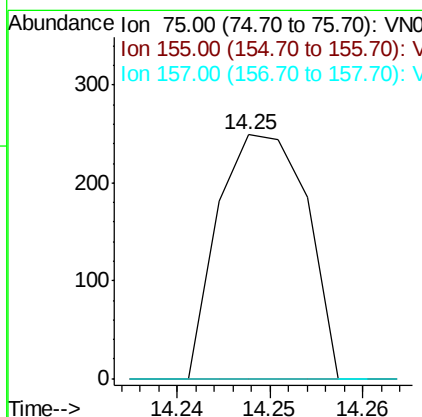
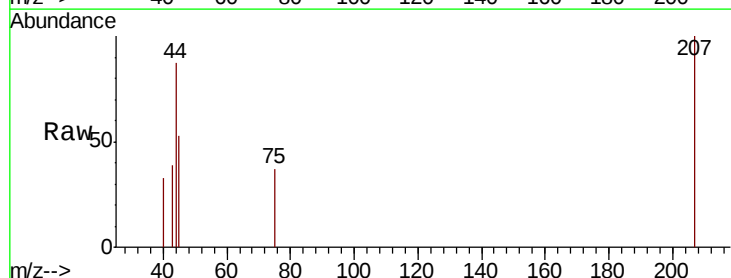
Instrument :
MSVOA_Y
ClientSampled :
VN1102WBL01

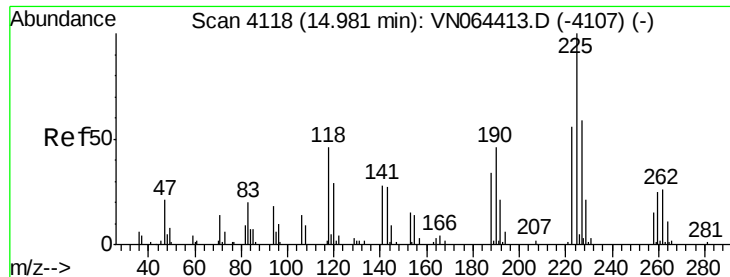
Tot Ion: 91 Resp: 1360
Ion Ratio Lower Upper
91 100
92 19.2 0.0 99.4
134 23.1 0.0 50.0



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.260 ug/l
RT: 14.25 min Scan# 3890
Delta R.T. 0.01 min
Lab File: VN064418.D
Acq: 2 Nov 2020 16:42

Tgt Ion: 75 Resp: 166
Ion Ratio Lower Upper
75 100
155 0.0 66.2 99.2#
157 0.0 82.7 124.1#





#90

Hexachlorobutadiene

Concen: 0.972 ug/l

RT: 14.98 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

Instrument :

MSVOA_Y

ClientSampleId :

VN1102WBL01

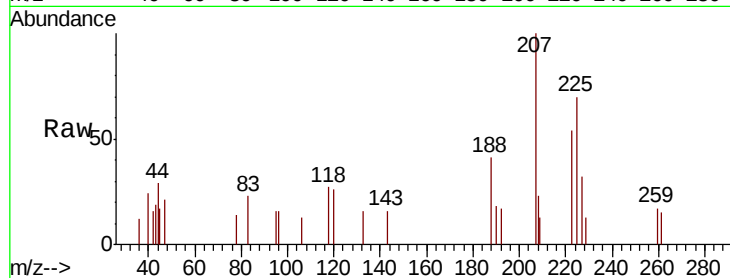
Tot Ion:225 Resp: 1148

Ion Ratio Lower Upper

225 100

223 71.1 0.0 125.6

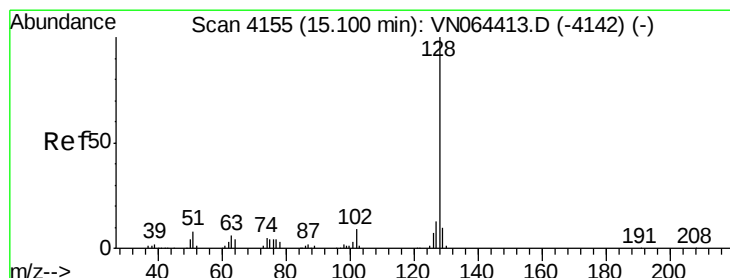
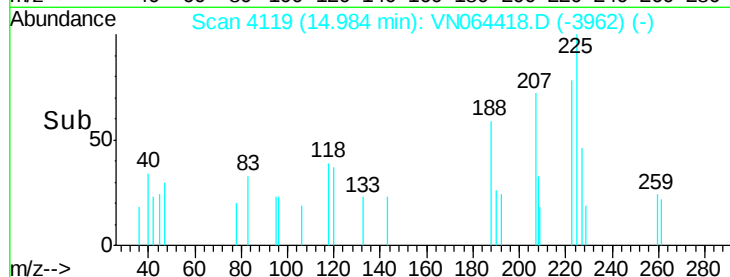
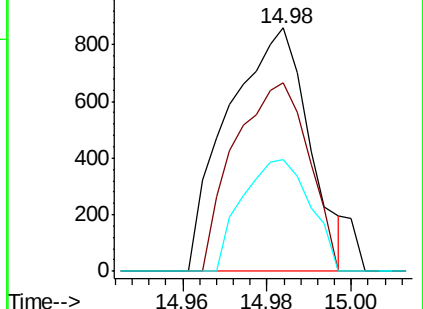
227 38.4 0.0 121.6



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 0.347 ug/l

RT: 15.12 min Scan# 4160

Delta R.T. 0.02 min

Lab File: VN064418.D

Acq: 2 Nov 2020 16:42

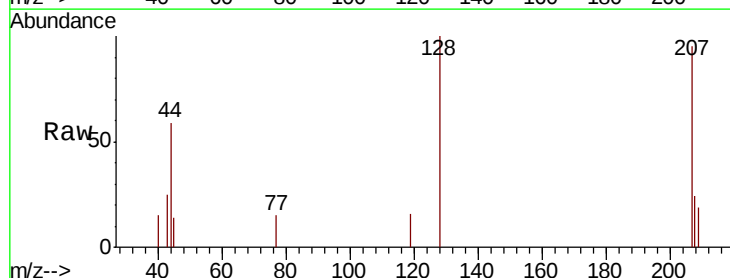
Tgt Ion:128 Resp: 2285

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

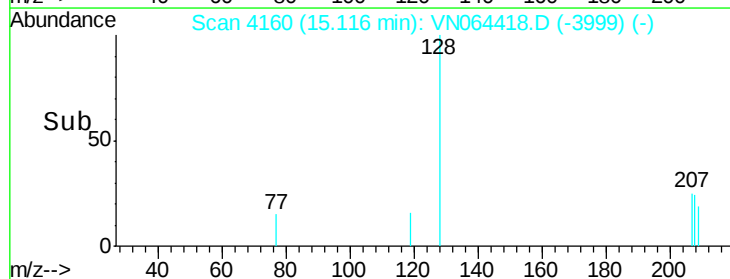
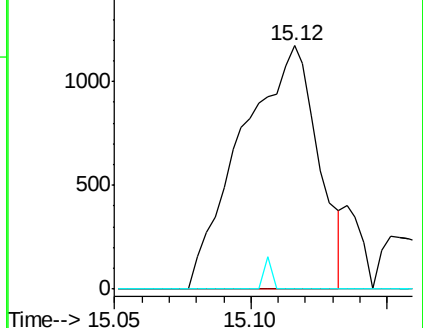
129 0.0 8.6 13.0#

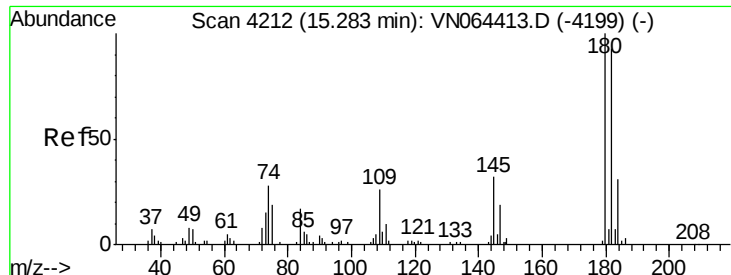


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

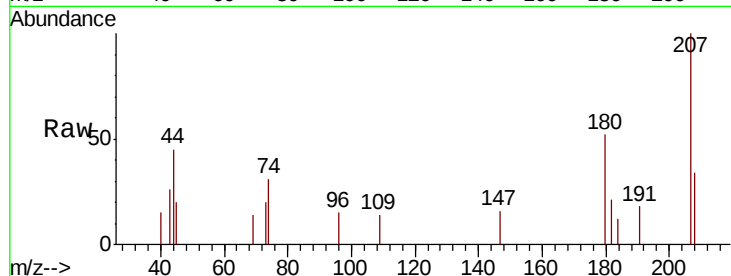




#92
 1,2,3-Trichlorobenzene
 Concen: 0.422 ug/l
 RT: 15.28 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN064418.D
 Acq: 2 Nov 2020 16:42

Instrument :
 MSVOA_Y
 ClientSampleId :
 VN1102WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	25.4	0.0	191.4
145	9.2	0.0	64.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

