

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060408.D
 Acq On : 10 Mar 2020 11:48
 Operator : JC/MD
 Sample : VN0310WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Quant Time: Mar 11 06:38:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	215339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	353637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	328816	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155182	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	133087	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
35) Dibromofluoromethane	7.56	113	98139	59.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.58%	
50) Toluene-d8	10.08	98	388218	46.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.46%	
62) 4-Bromofluorobenzene	12.40	95	148517	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	29341	14.861	ug/l	97
3) Chloromethane	2.04	50	55306	16.090	ug/l	99
4) Vinyl Chloride	2.16	62	44691	15.160	ug/l	97
5) Bromomethane	2.54	94	17773	13.210	ug/l	98
6) Chloroethane	2.68	64	25415	15.912	ug/l	96
7) Trichlorofluoromethane	3.00	101	59223	15.724	ug/l	99
8) Diethyl Ether	3.38	74	23519	16.539	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	35136	16.484	ug/l	100
10) Methyl Iodide	3.93	142	27015	13.887	ug/l	99
11) Tert butyl alcohol	4.73	59	36424	88.786	ug/l	99
12) 1,1-Dichloroethene	3.71	96	34400	16.576	ug/l	94
13) Acrolein	3.58	56	30464	79.598	ug/l	100
14) Allyl chloride	4.29	41	61028	15.999	ug/l	94
15) Acrylonitrile	4.94	53	98669	91.248	ug/l	98
16) Acetone	3.78	43	81531	91.382	ug/l	100
17) Carbon Disulfide	4.03	76	83553	14.722	ug/l	100
18) Methyl Acetate	4.29	43	52436	17.611	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	130513	17.376	ug/l	100
20) Methylene Chloride	4.52	84	40333	16.461	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	36967	16.344	ug/l	98
22) Diisopropyl ether	5.91	45	138905	17.978	ug/l	96
23) Vinyl Acetate	5.86	43	548327	89.308	ug/l	98
24) 1,1-Dichloroethane	5.81	63	76780	17.555	ug/l	100
25) 2-Butanone	6.80	43	135687	94.154	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69028	17.336	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	46441	16.345	ug/l	99
28) Bromochloromethane	7.17	49	29811	16.601	ug/l	97
29) Tetrahydrofuran	7.18	42	90190	89.999	ug/l	99
30) Chloroform	7.35	83	75886	17.429	ug/l	99
31) Cyclohexane	7.63	56	67048	17.081	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	65772	17.050	ug/l	99
36) 1,1-Dichloropropene	7.77	75	55125	16.356	ug/l	99
37) Ethyl Acetate	6.89	43	58583	18.357	ug/l	99
38) Carbon Tetrachloride	7.75	117	53354	16.259	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	60418	15.204	ug/l	95
40) Benzene	8.02	78	165565	16.878	ug/l	99
41) Methacrylonitrile	7.17	41	83328	56.550	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	61969	17.506	ug/l	100
43) Isopropyl Acetate	8.14	43	100706	18.025	ug/l	98
44) Trichloroethene	8.82	130	46002	16.838	ug/l	99
45) 1,2-Dichloropropane	9.10	63	46657	18.192	ug/l	98
46) Dibromomethane	9.19	93	28364	17.044	ug/l	99
47) Bromodichloromethane	9.39	83	60051	17.742	ug/l	99
48) Methyl methacrylate	9.18	41	43256	16.978	ug/l	97
49) 1,4-Dioxane	9.18	88	12092	337.506	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	292535	92.350	ug/l	100
52) Toluene	10.14	92	104317	16.929	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	68845	16.600	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	73430	17.087	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	43008	17.356	ug/l	98
56) Ethyl methacrylate	10.42	69	61700	17.331	ug/l	98
57) 1,3-Dichloropropane	10.70	76	71557	17.707	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	154791	83.135	ug/l	99
59) 2-Hexanone	10.74	43	208892	89.816	ug/l	99
60) Dibromochloromethane	10.89	129	44187	17.534	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40905	16.933	ug/l	100
64) Tetrachloroethene	10.62	164	47499	17.426	ug/l	99
65) Chlorobenzene	11.43	112	109403	16.477	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	41858	17.050	ug/l	99
67) Ethyl Benzene	11.51	91	201868	16.695	ug/l	100
68) m/p-Xylenes	11.62	106	151194	33.142	ug/l	100
69) o-Xylene	11.94	106	73483	16.892	ug/l	98
70) Styrene	11.96	104	116943	16.350	ug/l	100
71) Bromoform	12.12	173	30300	17.125	ug/l #	98
73) Isopropylbenzene	12.25	105	195990	17.040	ug/l	99
74) N-amyl acetate	12.06	43	85865	17.084	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	57709	18.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	79580	23.374	ug/l #	100
77) Bromobenzene	12.52	156	47487	16.843	ug/l	98
78) n-propylbenzene	12.59	91	226045	16.766	ug/l	99
79) 2-Chlorotoluene	12.67	91	136214	17.187	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	166211	17.163	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21288	17.260	ug/l #	85
82) 4-Chlorotoluene	12.77	91	140627	16.842	ug/l	97
83) tert-Butylbenzene	12.99	119	142431	16.987	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	164478	16.827	ug/l	99
85) sec-Butylbenzene	13.17	105	186824	16.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	168235	16.189	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	83949	17.204	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	83732	17.156	ug/l	98
89) n-Butylbenzene	13.61	91	149761	15.699	ug/l	99
90) Hexachloroethane	13.87	117	22260	14.799	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	82645	16.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	12156	17.169	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49187	15.730	ug/l	100
94) Hexachlorobutadiene	15.01	225	25322	17.173	ug/l	98
95) Naphthalene	15.13	128	142153	15.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	46970	15.763	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

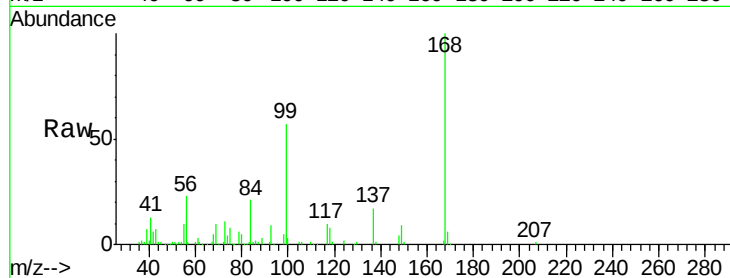
VN0310WBS01

Tgt Ion:168 Resp: 215339

Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

40000

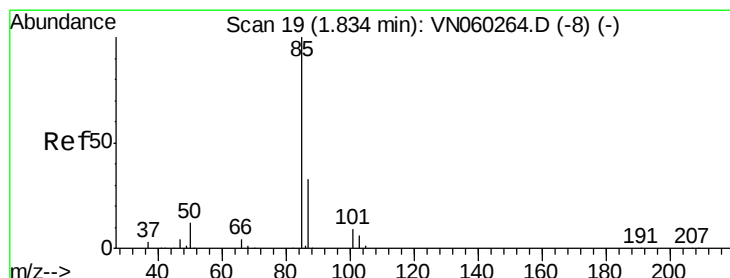
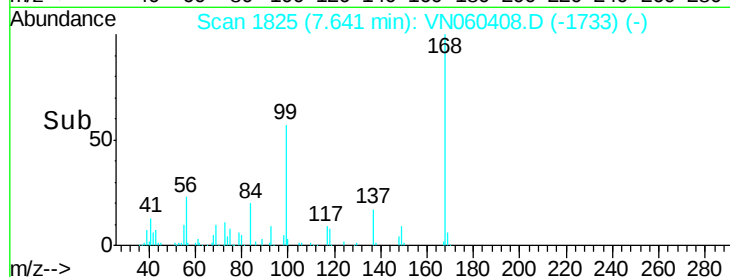
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.861 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN060408.D

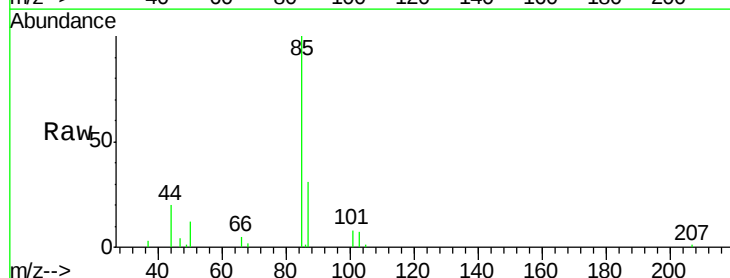
Acq: 10 Mar 2020 11:48

Tgt Ion: 85 Resp: 29341

Ion Ratio Lower Upper

85 100

87 30.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

25000

20000

15000

10000

5000

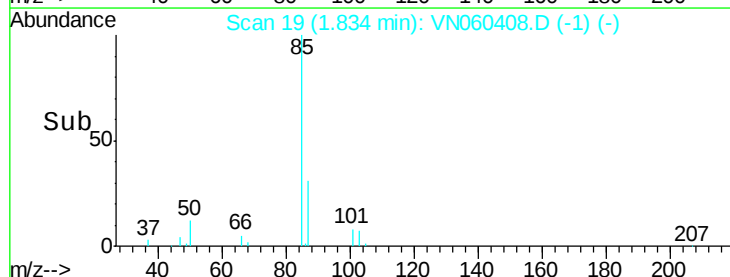
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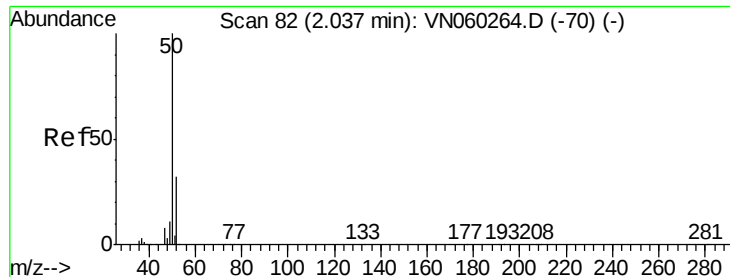
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.090 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

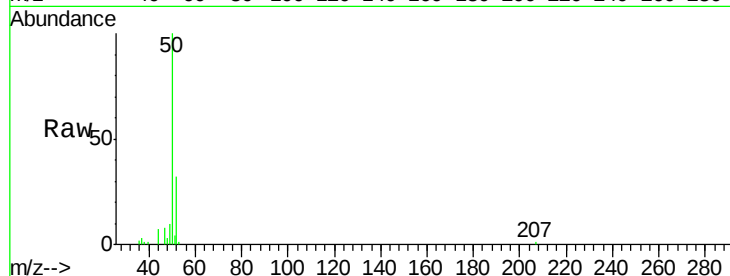
VN0310WBS01

Tgt Ion: 50 Resp: 55306

Ion Ratio Lower Upper

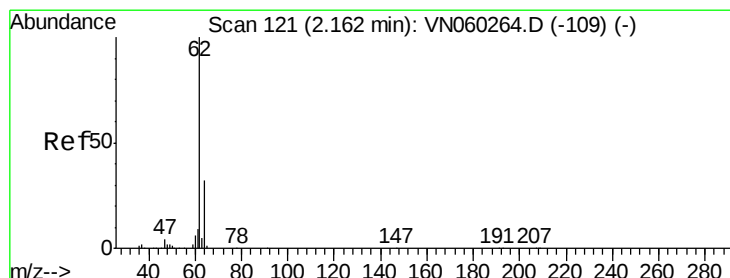
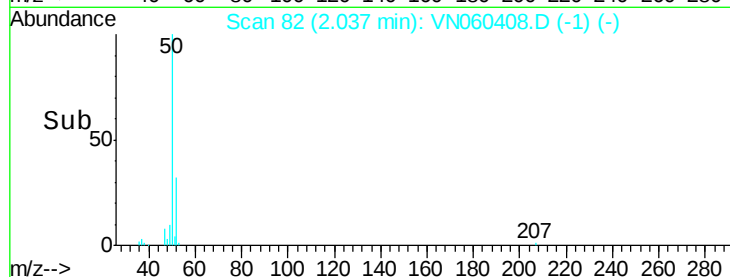
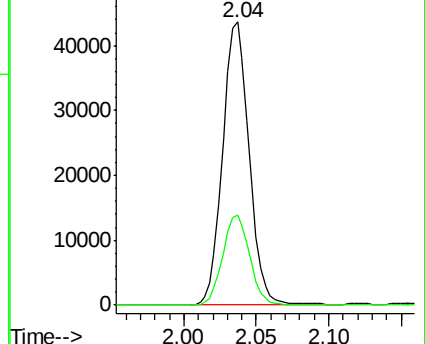
50 100

52 31.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 15.160 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060408.D

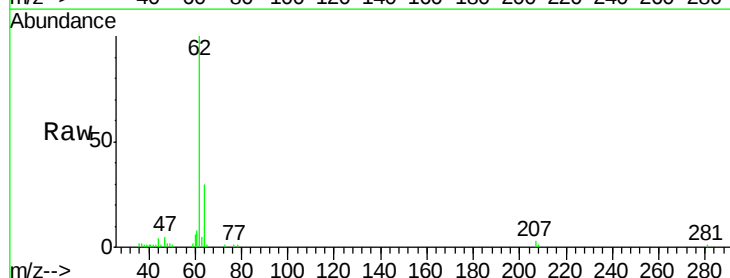
Acq: 10 Mar 2020 11:48

Tgt Ion: 62 Resp: 44691

Ion Ratio Lower Upper

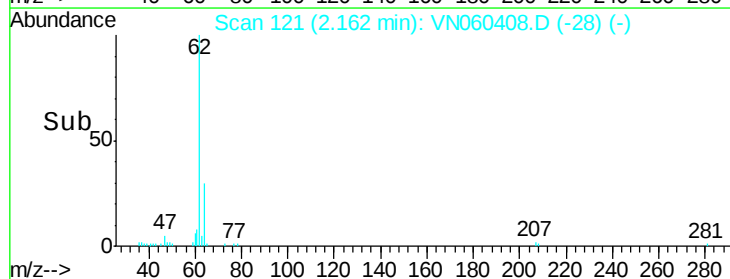
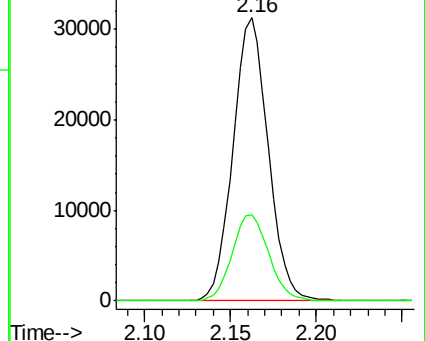
62 100

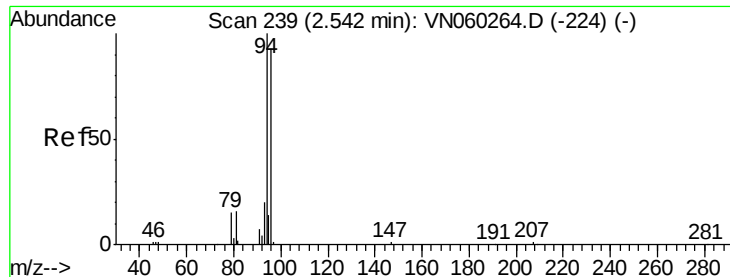
64 30.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 13.210 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

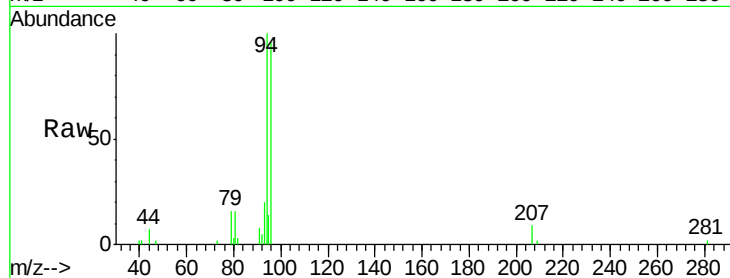
VN0310WBS01

Tgt Ion: 94 Resp: 17773

Ion Ratio Lower Upper

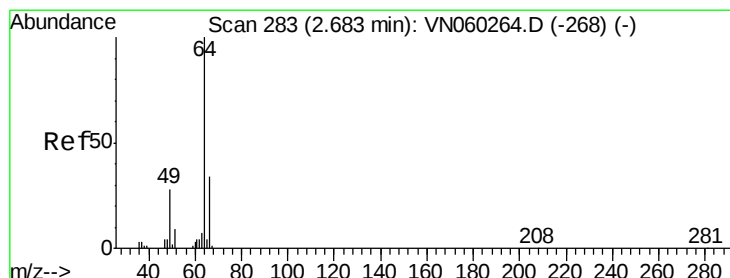
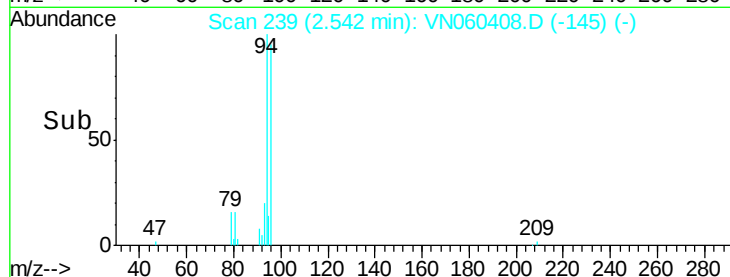
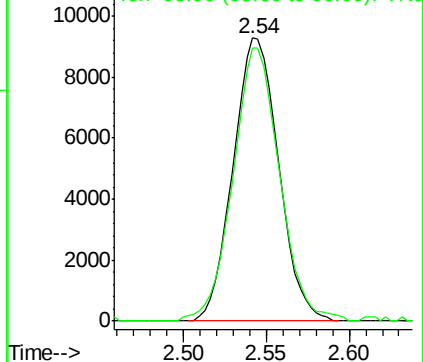
94 100

96 94.4 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.912 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060408.D

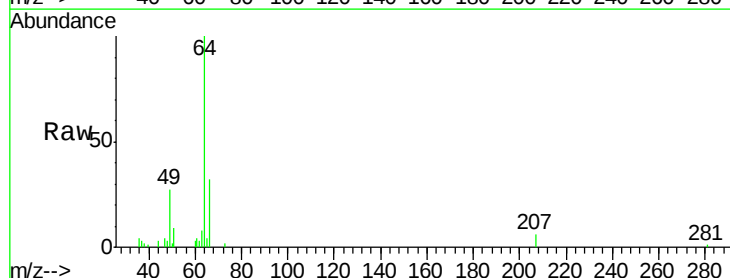
Acq: 10 Mar 2020 11:48

Tgt Ion: 64 Resp: 25415

Ion Ratio Lower Upper

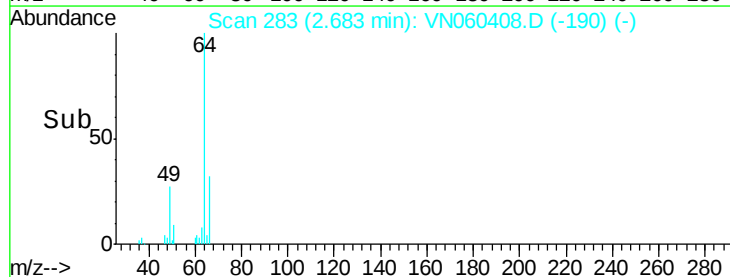
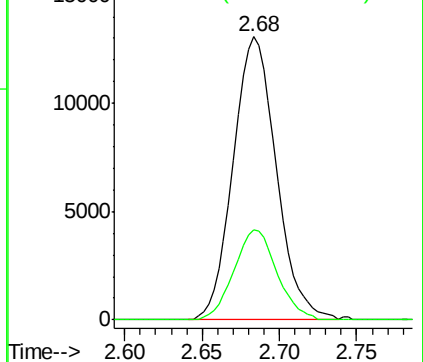
64 100

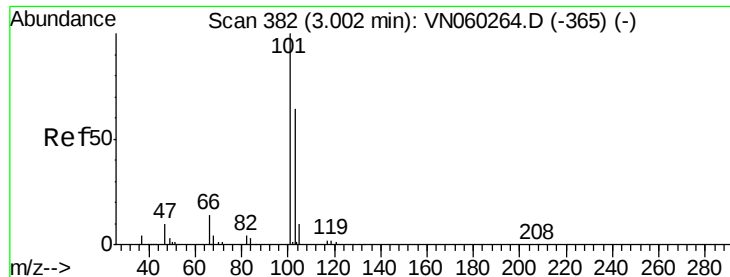
66 31.8 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



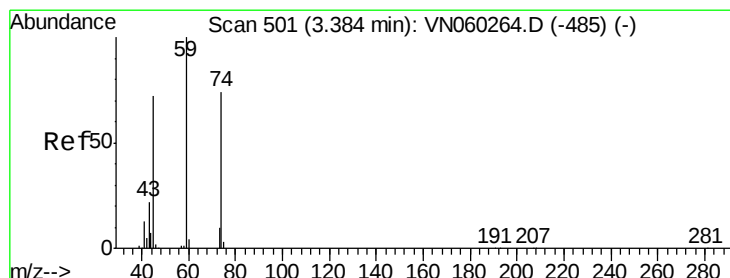
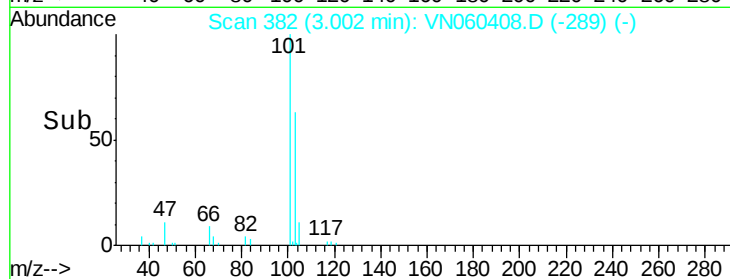
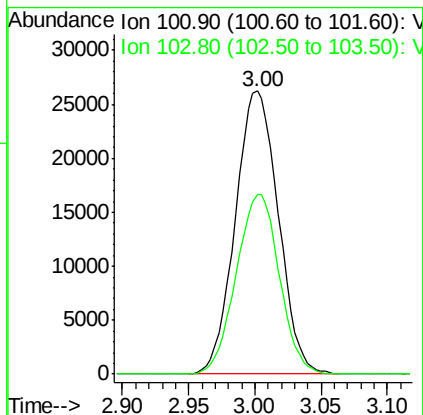
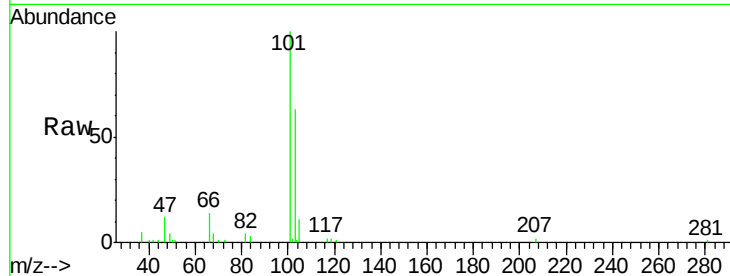


#7

Trichlorofluoromethane
 Concen: 15.724 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060408.D
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Instrument :
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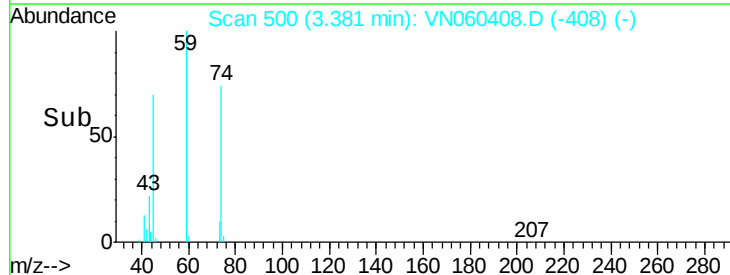
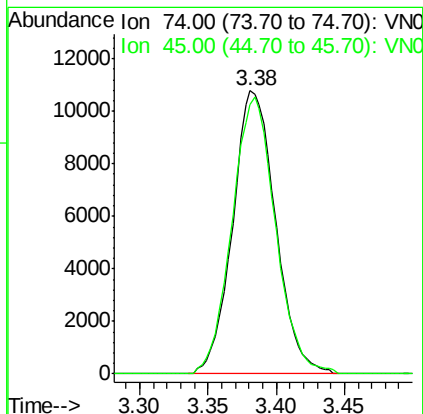
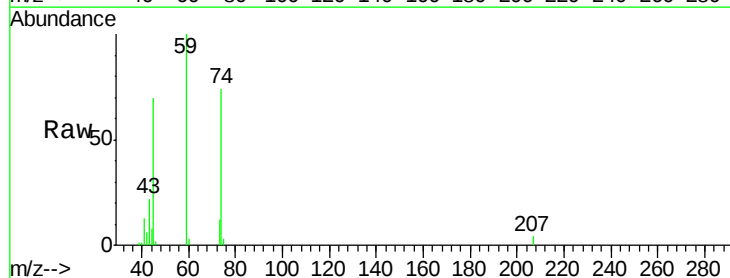
Tgt Ion: 101 Resp: 59223
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.3 76.9



#8

Diethyl Ether
 Concen: 16.539 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 74 Resp: 23519
 Ion Ratio Lower Upper
 74 100
 45 99.2 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.484 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

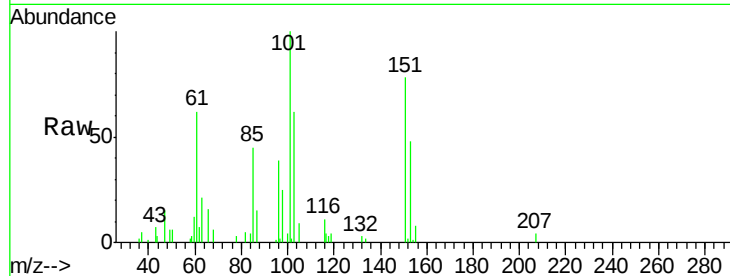
Tgt Ion:101 Resp: 35136

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

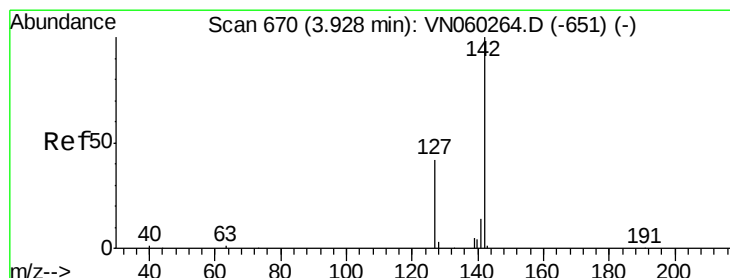
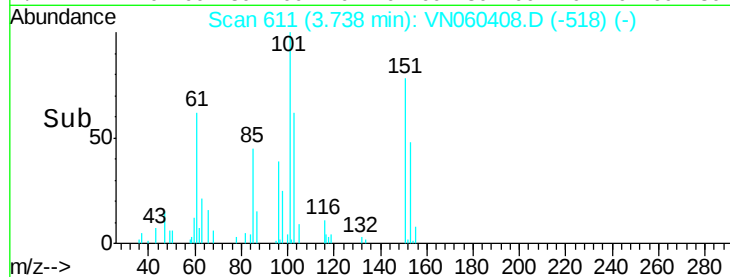
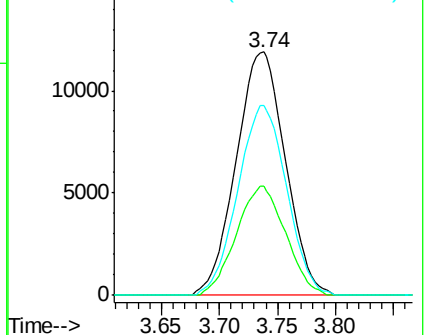
151 77.3 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.887 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

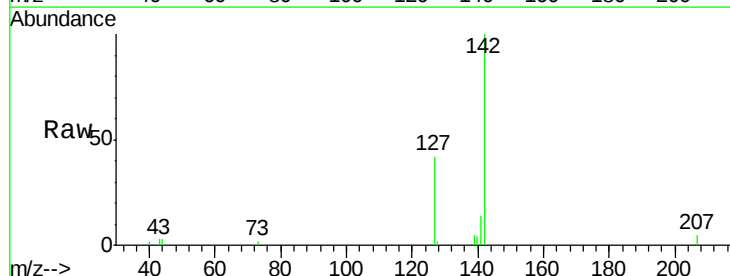
Tgt Ion:142 Resp: 27015

Ion Ratio Lower Upper

142 100

127 42.6 33.8 50.6

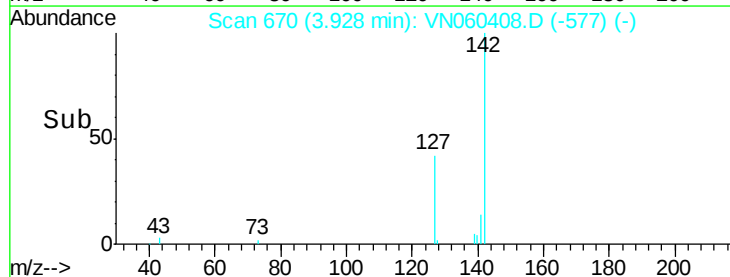
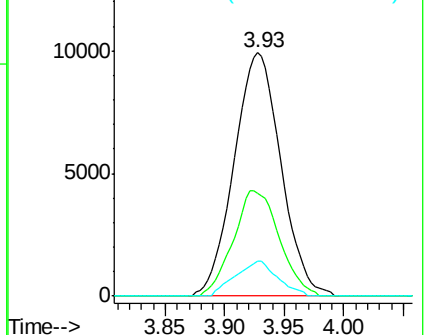
141 12.9 11.1 16.7

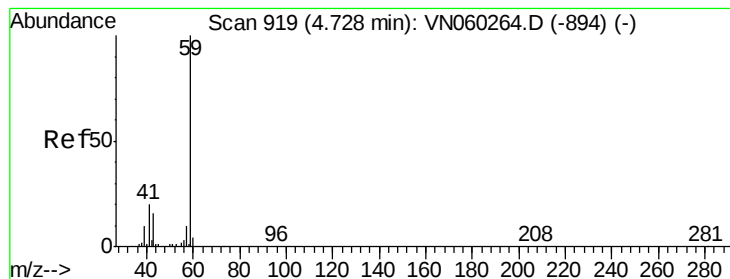


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



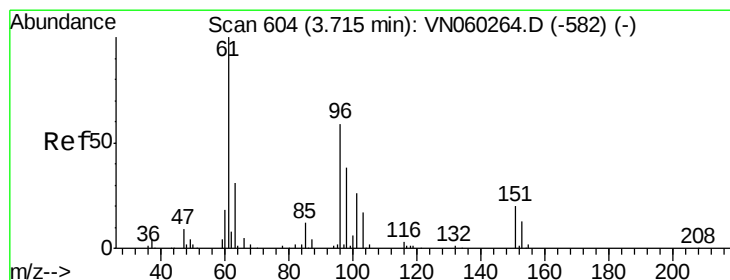
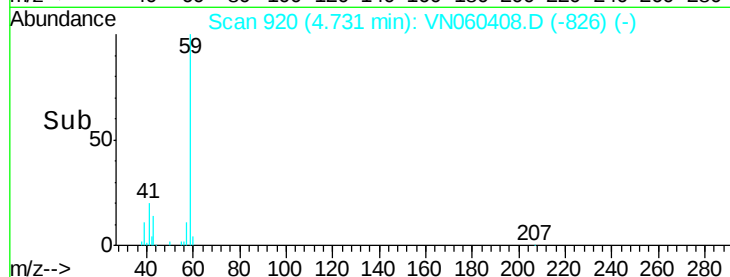
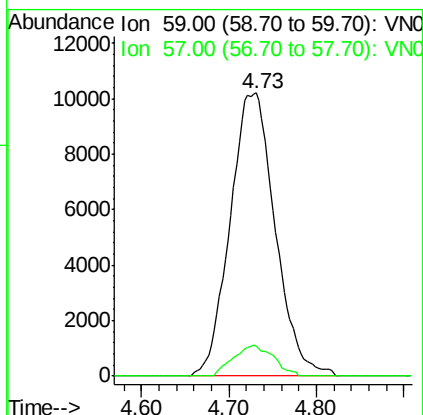
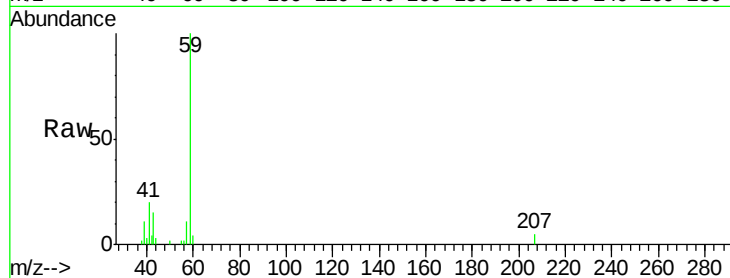


#11

Tert butyl alcohol
 Concen: 88.786 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

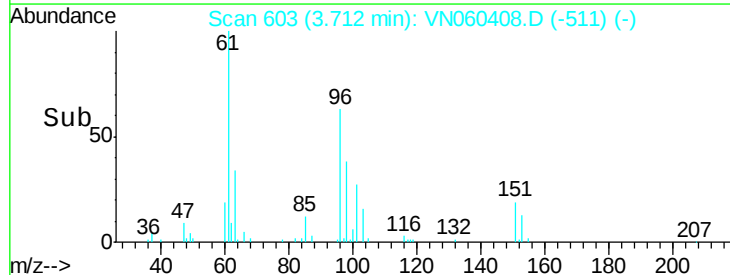
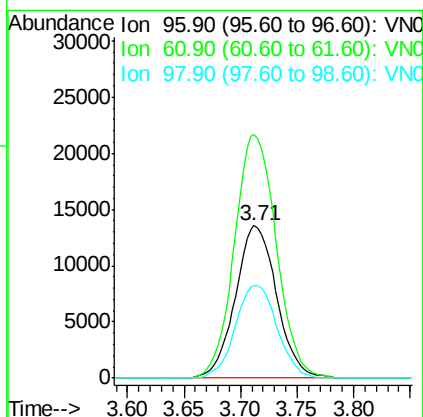
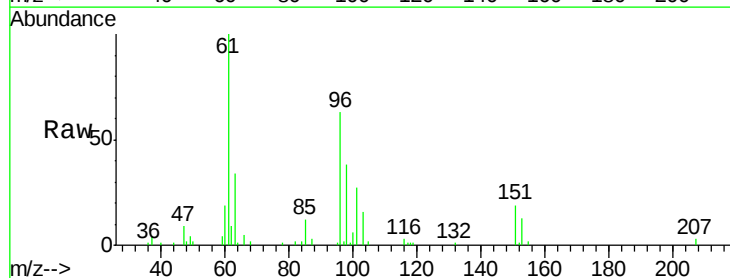
Tgt Ion: 59 Resp: 36424
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 16.576 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 96 Resp: 34400
 Ion Ratio Lower Upper
 96 100
 61 159.9 135.4 203.0
 98 60.9 51.6 77.4





#13

Acrolein

Concen: 79.598 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

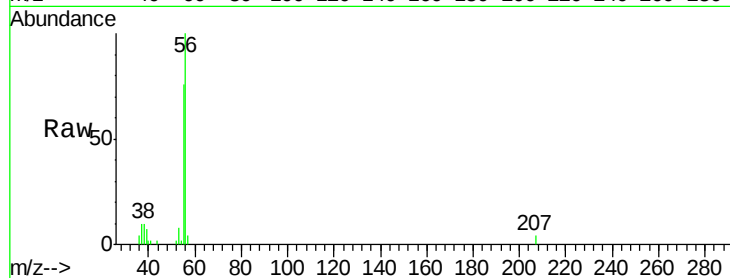
VN0310WBS01

Tgt Ion: 56 Resp: 30464

Ion Ratio Lower Upper

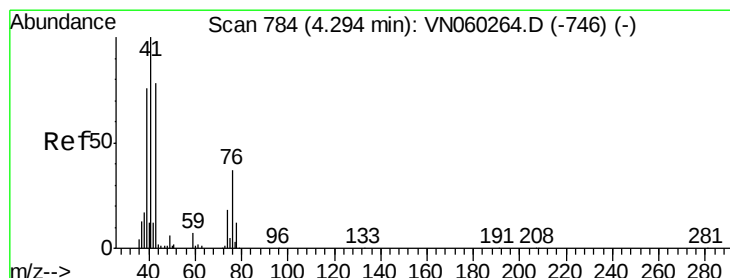
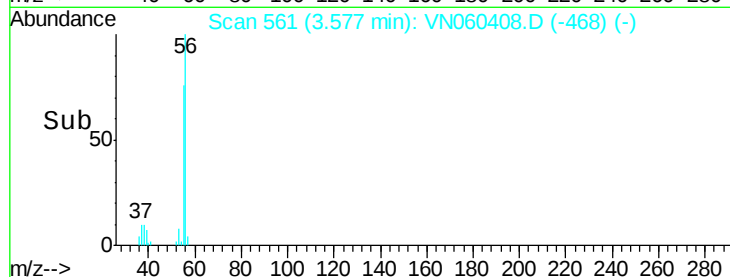
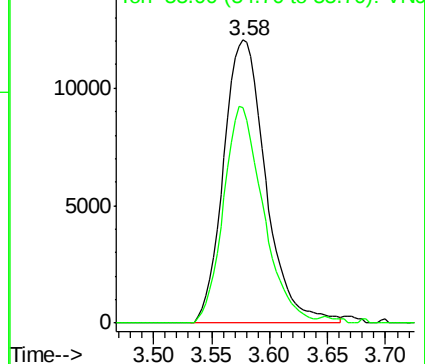
56 100

55 71.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 15.999 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

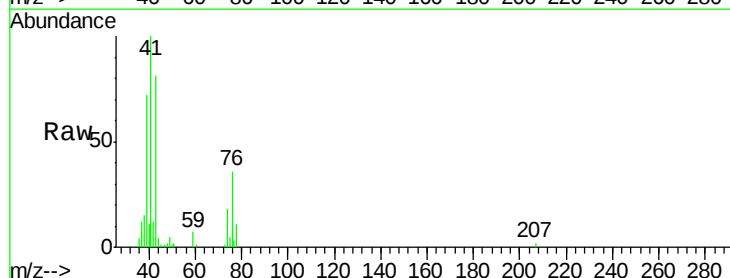
Tgt Ion: 41 Resp: 61028

Ion Ratio Lower Upper

41 100

39 75.6 55.4 83.2

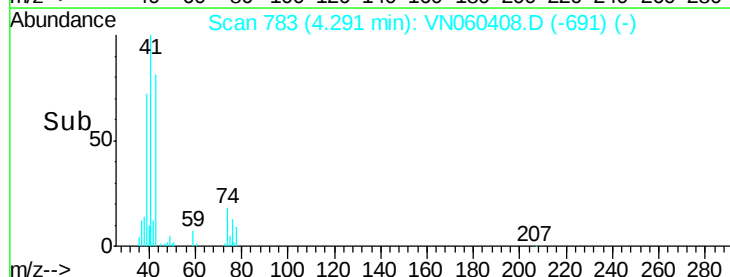
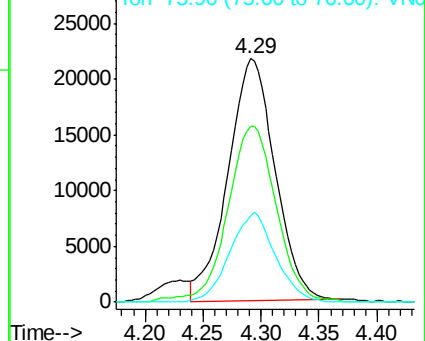
76 35.8 27.0 40.6

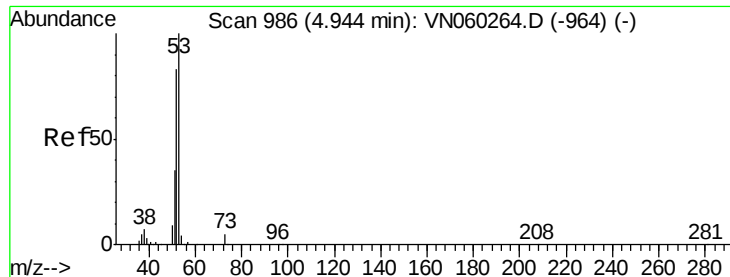


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 91.248 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

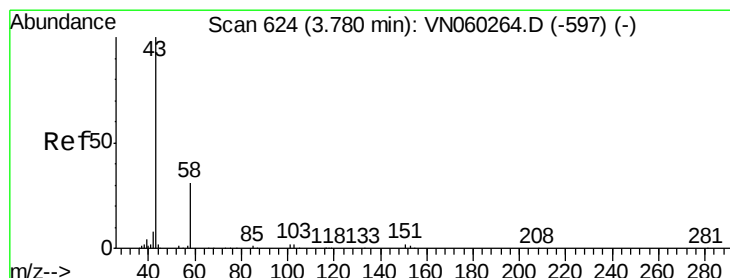
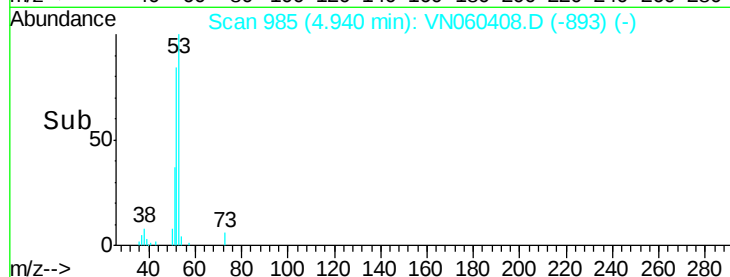
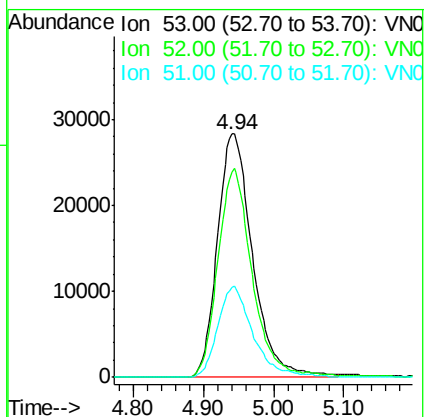
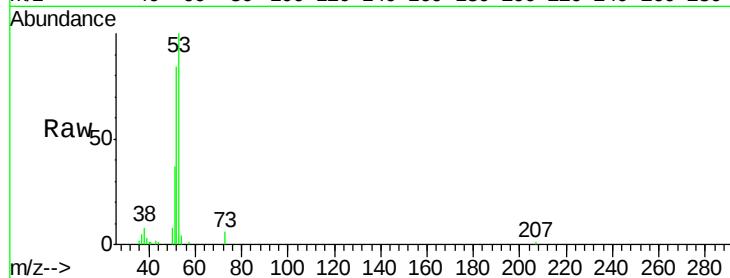
Tgt Ion: 53 Resp: 98669

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

51 37.4 29.0 43.6



#16

Acetone

Concen: 91.382 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060408.D

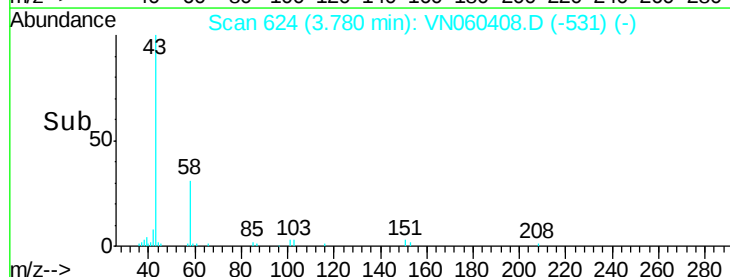
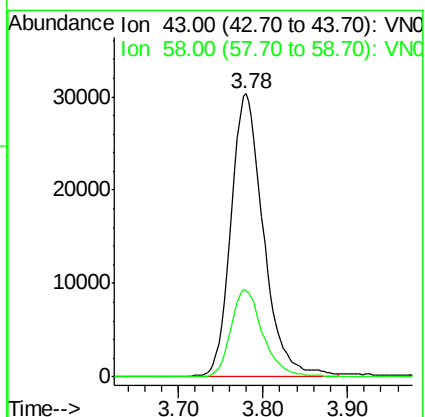
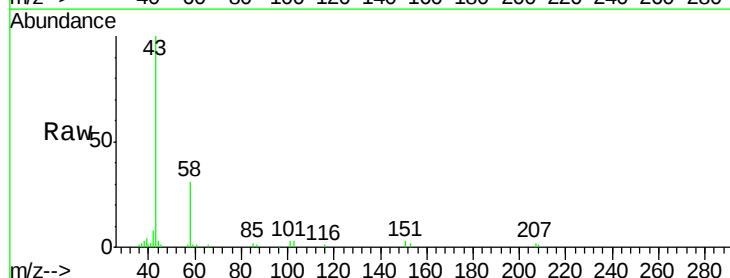
Acq: 10 Mar 2020 11:48

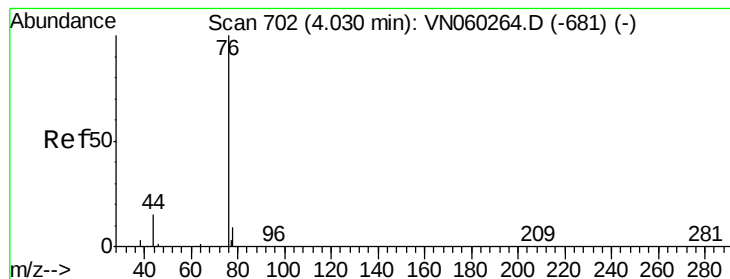
Tgt Ion: 43 Resp: 81531

Ion Ratio Lower Upper

43 100

58 30.6 24.6 36.8





#17

Carbon Disulfide

Concen: 14.722 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

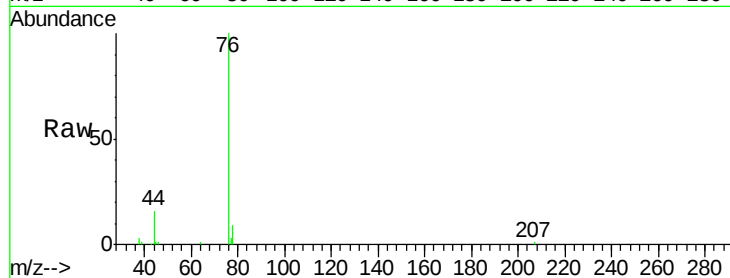
VN0310WBS01

Tgt Ion: 76 Resp: 83553

Ion Ratio Lower Upper

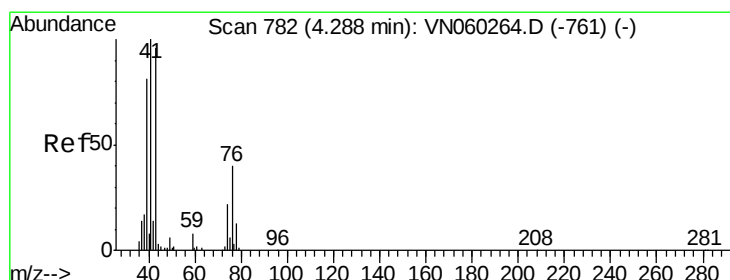
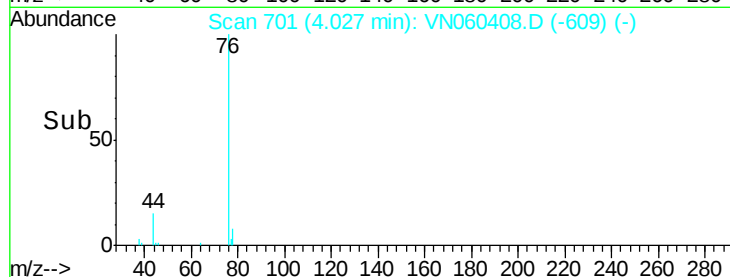
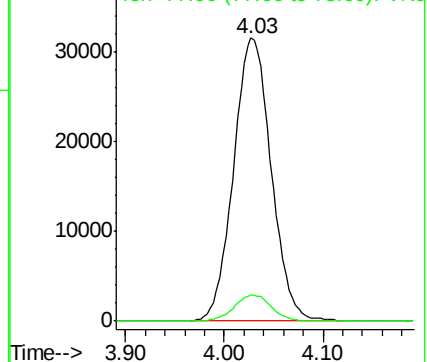
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.611 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060408.D

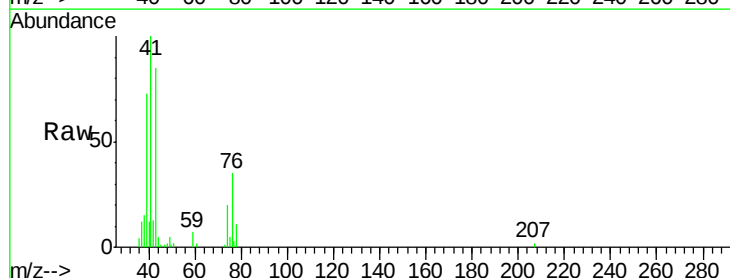
Acq: 10 Mar 2020 11:48

Tgt Ion: 43 Resp: 52436

Ion Ratio Lower Upper

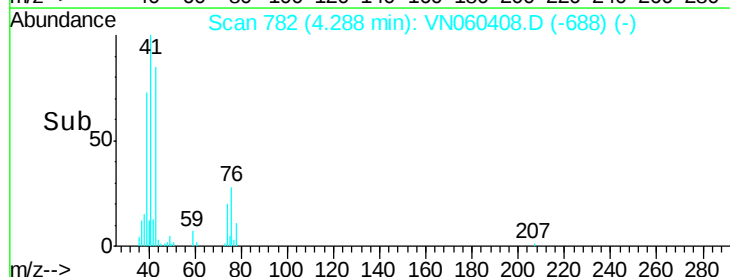
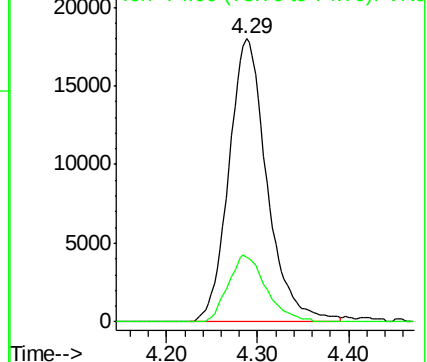
43 100

74 23.3 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

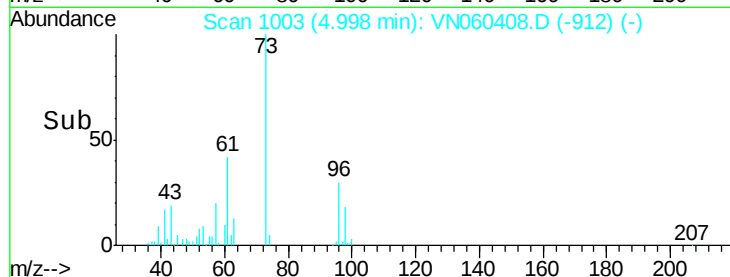
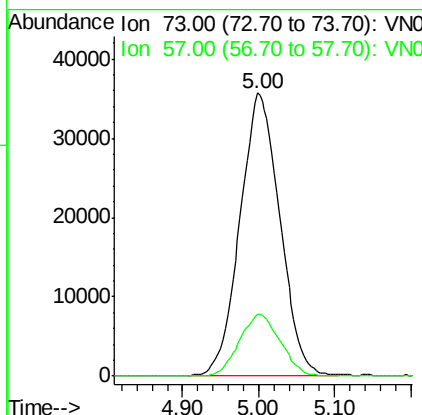
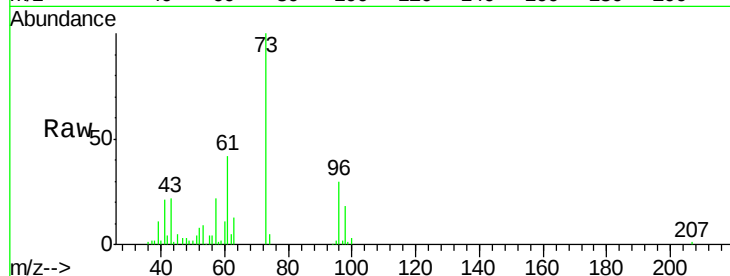




#19
Methyl tert-butyl Ether
Concen: 17.376 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

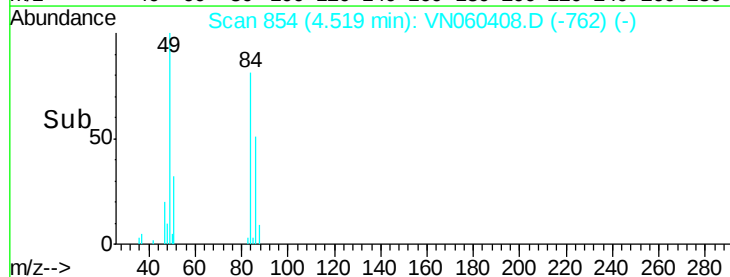
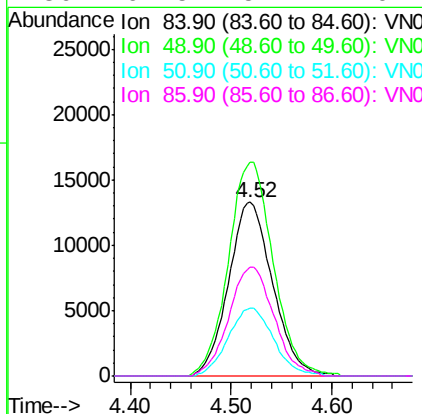
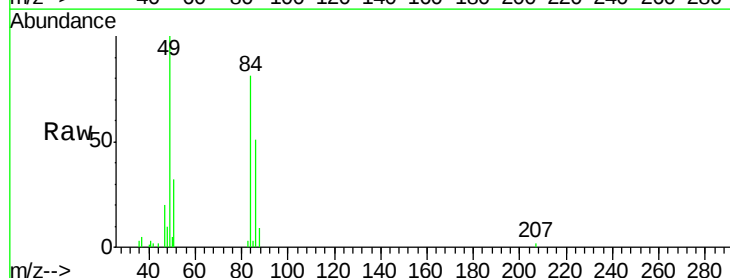
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

Tgt Ion: 73 Resp: 130513
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9



#20
Methylene Chloride
Concen: 16.461 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 84 Resp: 40333
Ion Ratio Lower Upper
84 100
49 122.8 99.3 148.9
51 38.9 30.1 45.1
86 62.5 51.1 76.7

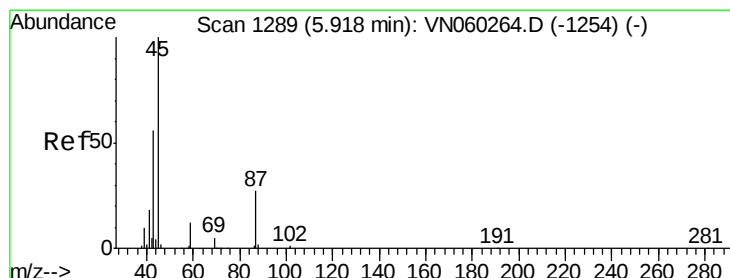
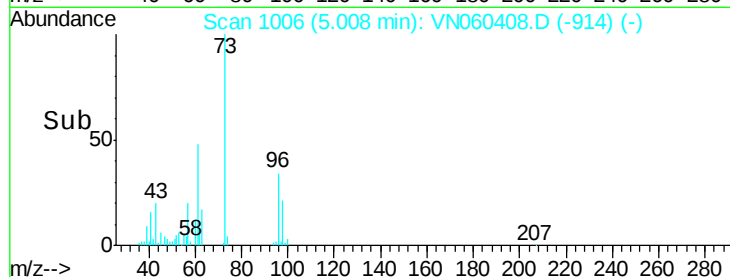
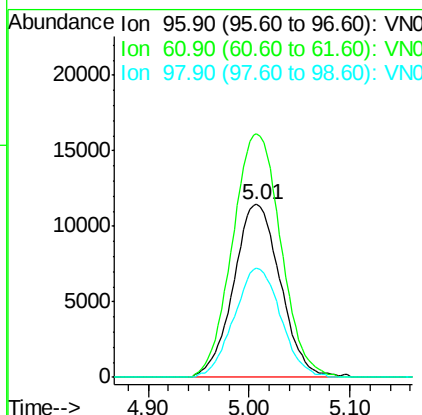
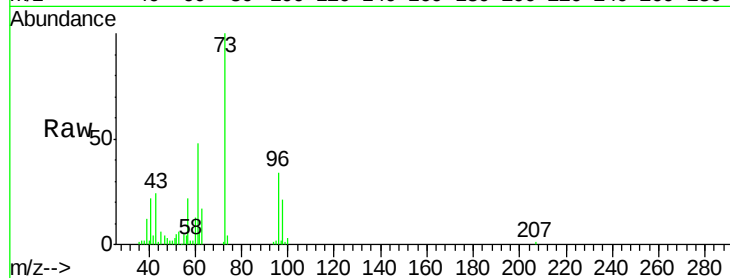




#21
trans-1,2-Dichloroethene
Concen: 16.344 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

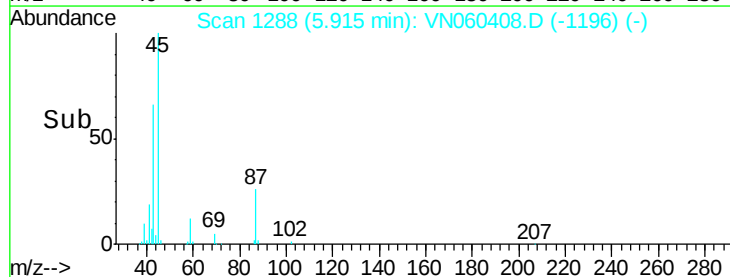
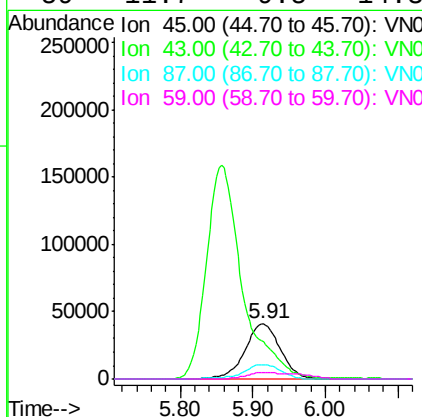
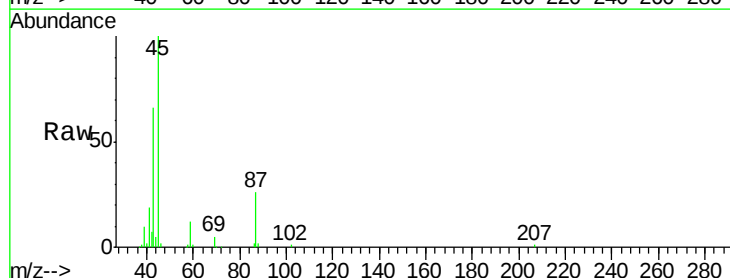
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Tgt Ion: 96 Resp: 36967
Ion Ratio Lower Upper
96 100
61 140.8 113.8 170.8
98 63.2 48.8 73.2



#22
Diisopropyl ether
Concen: 17.978 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 45 Resp: 138905
Ion Ratio Lower Upper
45 100
43 64.4 48.6 72.8
87 26.5 22.2 33.2
59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 89.308 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

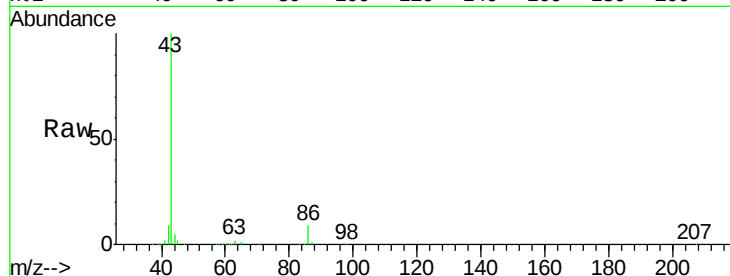
VN0310WBS01

Tgt Ion: 43 Resp: 548327

Ion Ratio Lower Upper

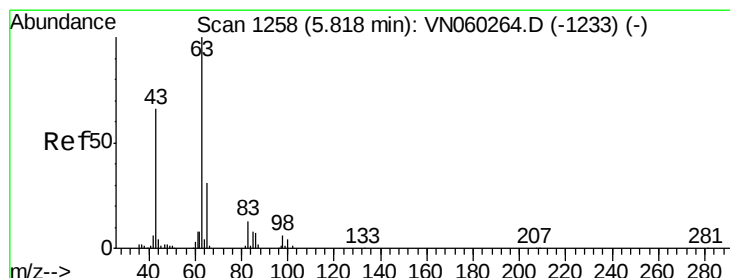
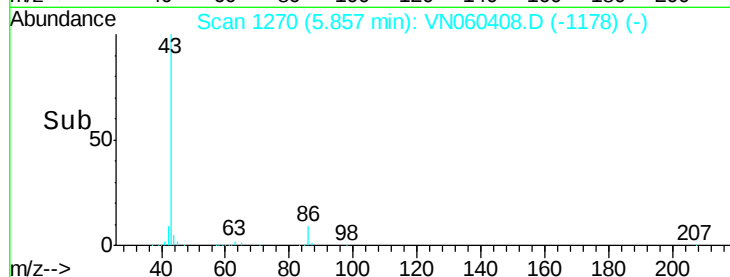
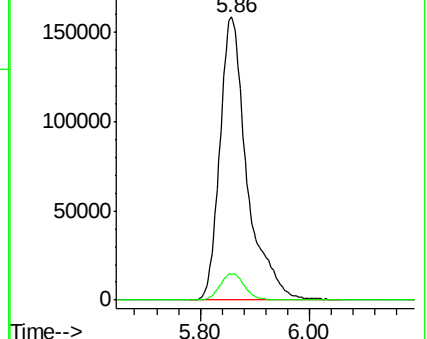
43 100

86 9.4 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.555 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

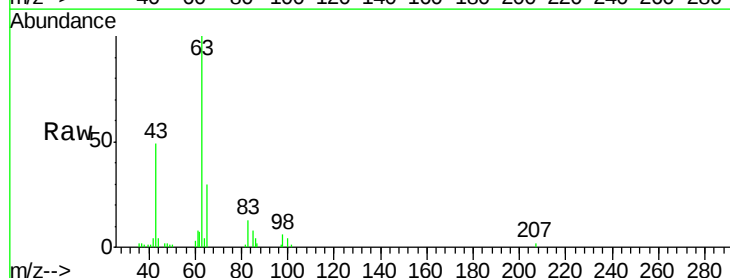
Tgt Ion: 63 Resp: 76780

Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

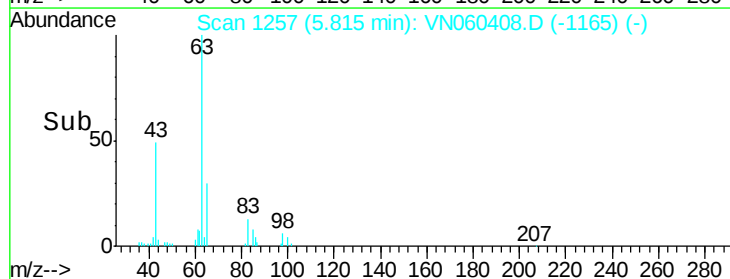
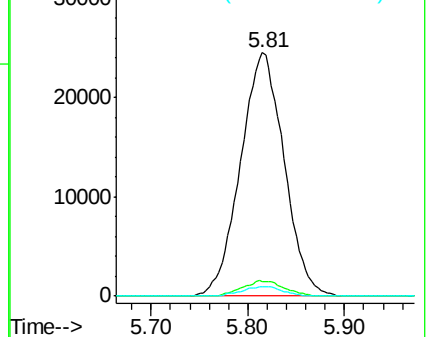
100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

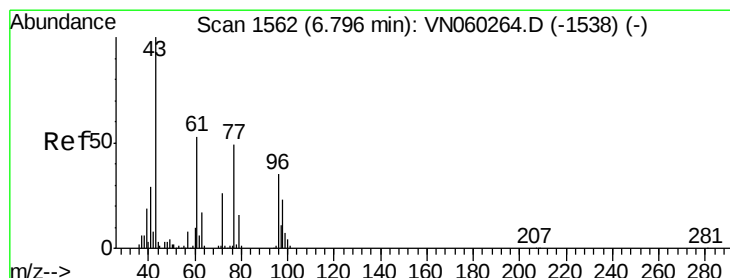
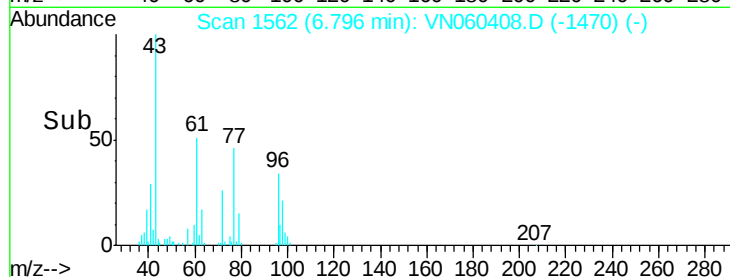
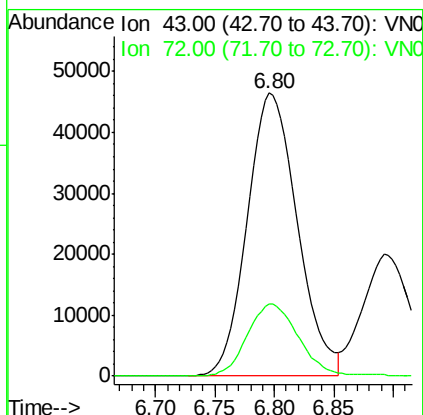
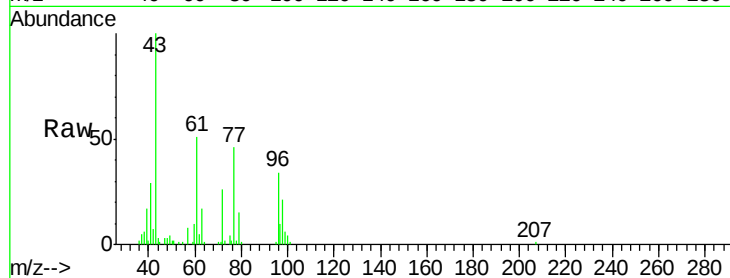




#25
 2-Butanone
 Concen: 94.154 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

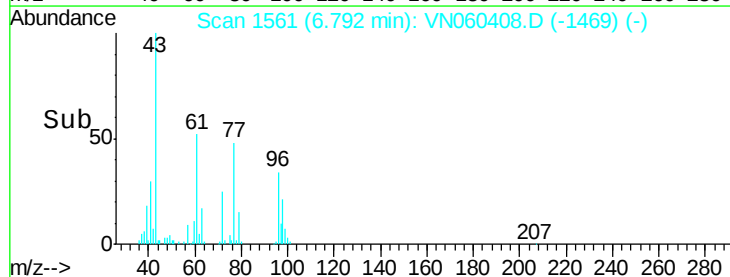
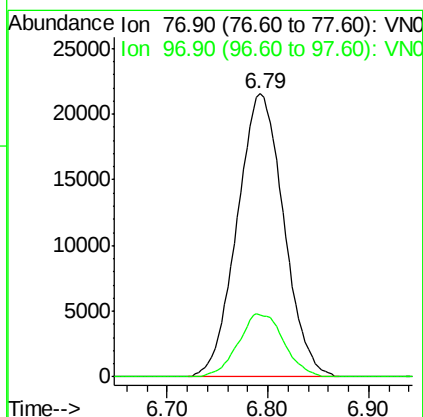
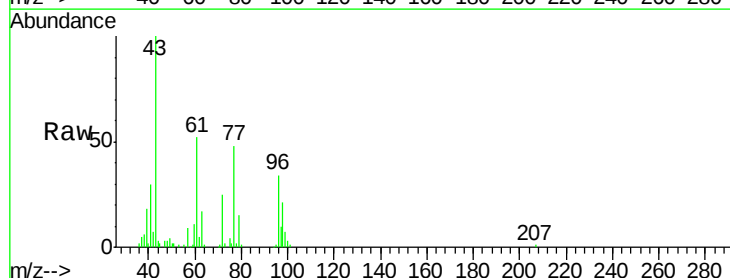
Instrument :
 MSVOA_N
 ClientSampled :
 VN0310WBS01

Tgt Ion: 43 Resp: 135687
 Ion Ratio Lower Upper
 43 100
 72 25.5 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 17.336 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 77 Resp: 69028
 Ion Ratio Lower Upper
 77 100
 97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.345 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

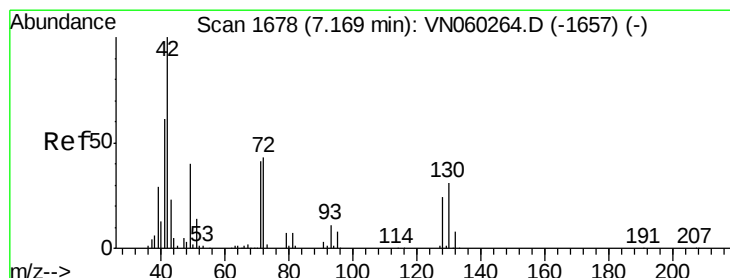
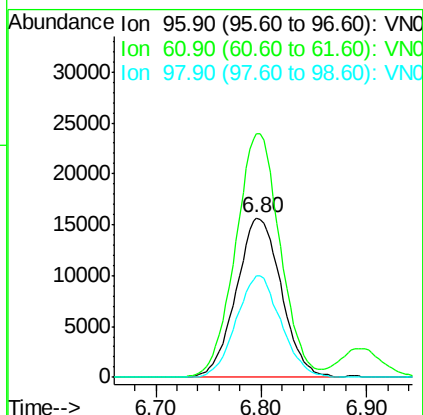
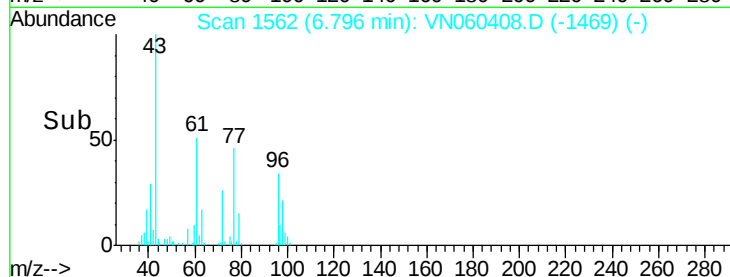
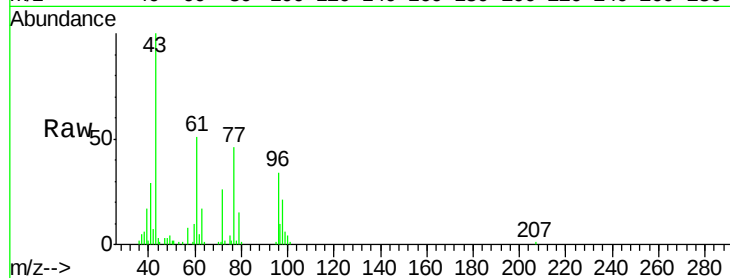
Tgt Ion: 96 Resp: 46441

Ion Ratio Lower Upper

96 100

61 151.6 0.0 300.8

98 63.2 0.0 128.2



#28

Bromochloromethane

Concen: 16.601 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

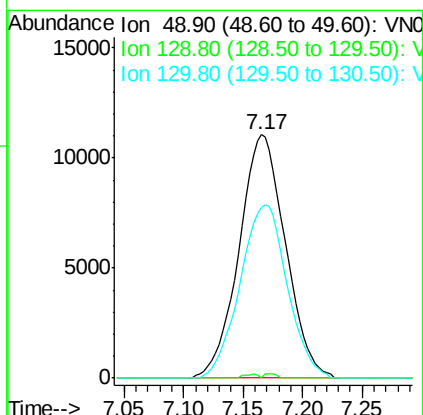
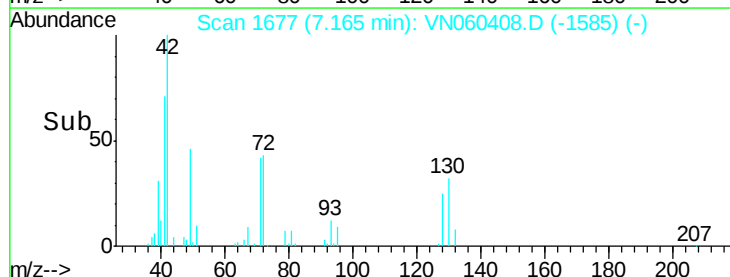
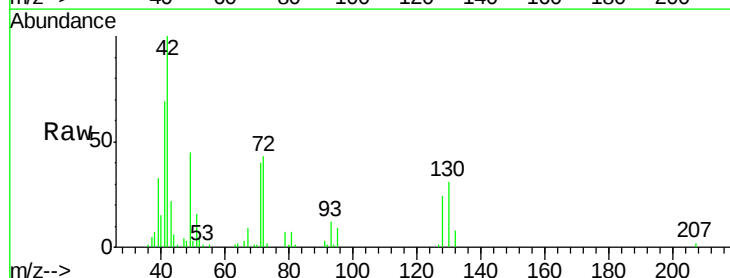
Tgt Ion: 49 Resp: 29811

Ion Ratio Lower Upper

49 100

129 0.5 0.0 3.8

130 72.3 59.8 89.8

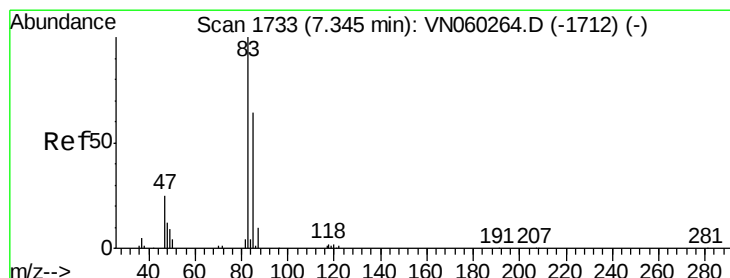
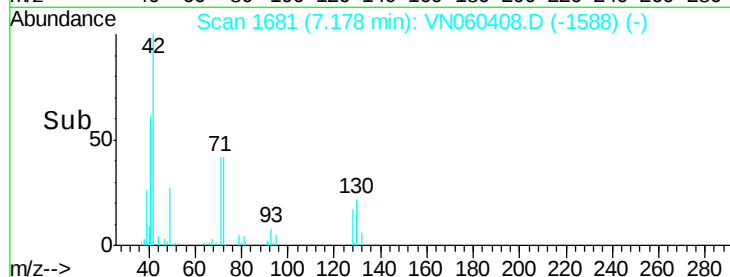
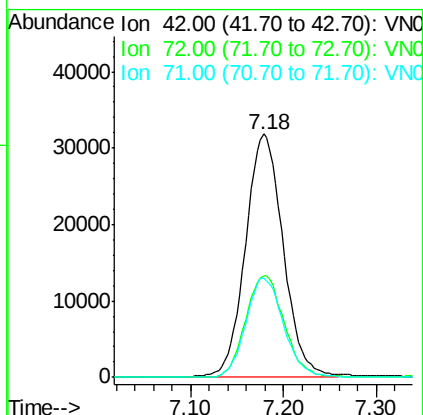
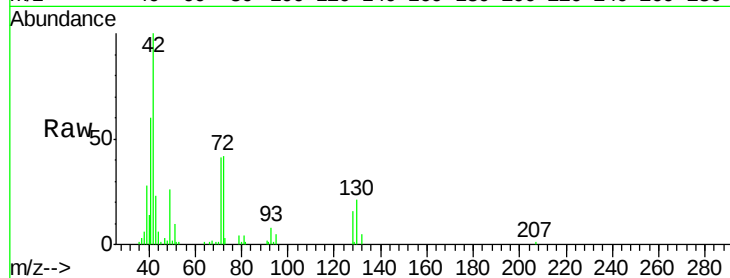




#29
Tetrahydrofuran
Concen: 89.999 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

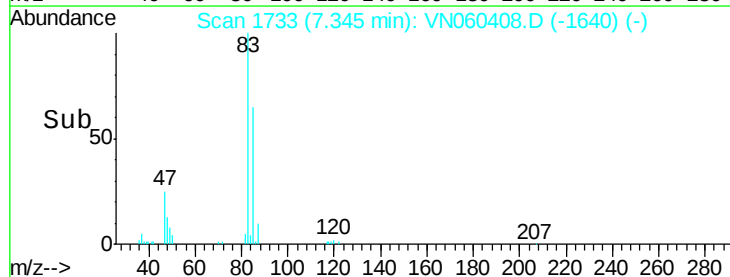
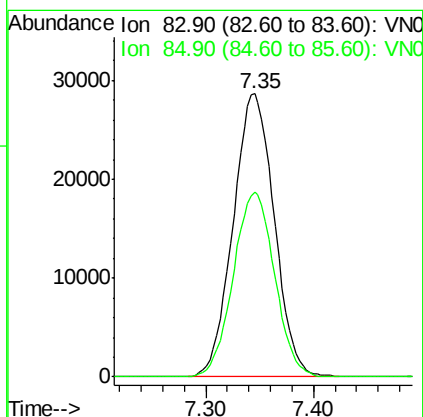
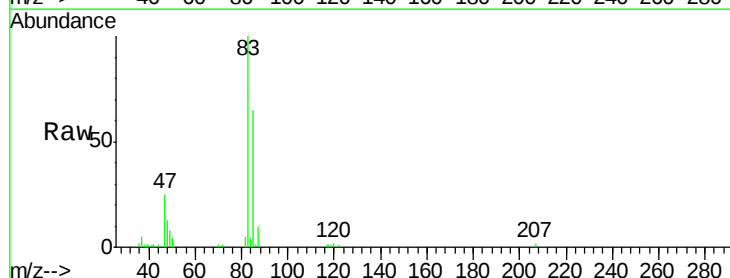
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

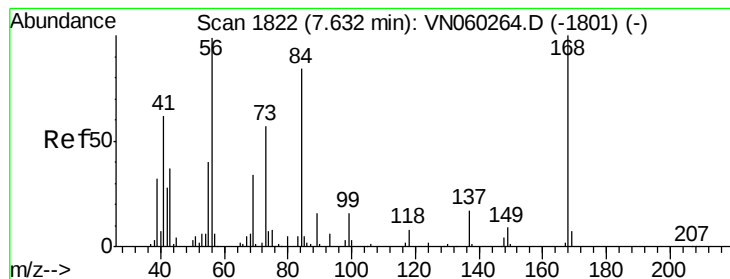
Tgt Ion: 42 Resp: 90190
Ion Ratio Lower Upper
42 100
72 42.6 34.6 52.0
71 40.6 32.9 49.3



#30
Chloroform
Concen: 17.429 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 83 Resp: 75886
Ion Ratio Lower Upper
83 100
85 65.5 51.4 77.2





#31

Cyclohexane

Concen: 17.081 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

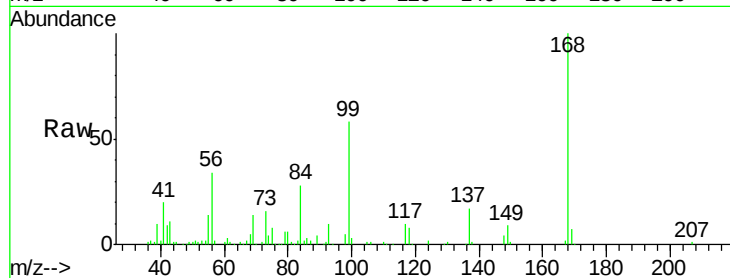
Tgt Ion: 56 Resp: 67048

Ion Ratio Lower Upper

56 100

69 40.2 27.2 40.8

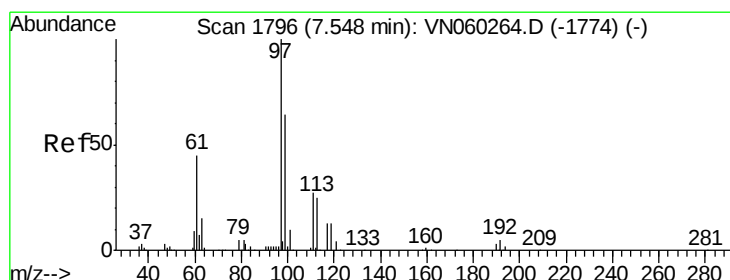
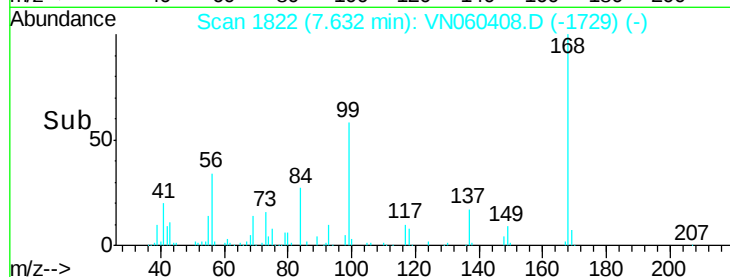
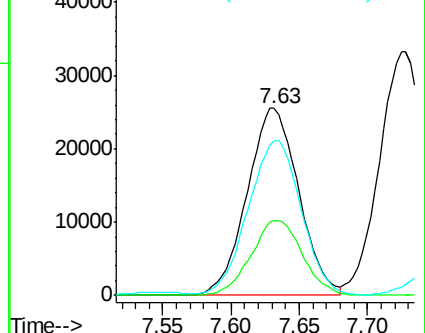
84 81.8 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.050 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

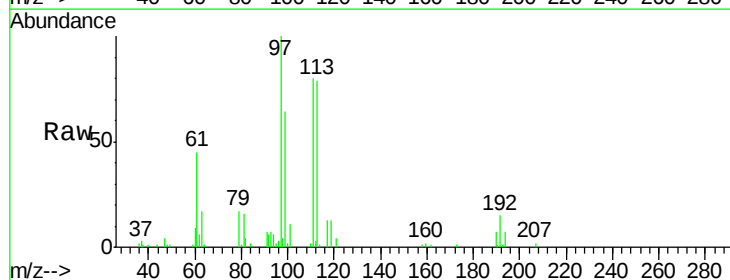
Tgt Ion: 97 Resp: 65772

Ion Ratio Lower Upper

97 100

99 65.0 51.4 77.0

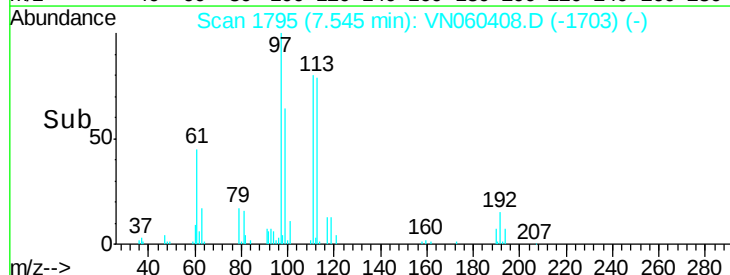
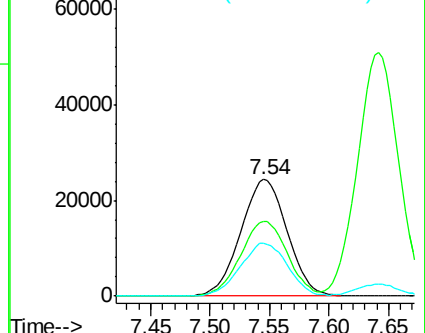
61 46.1 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.171 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

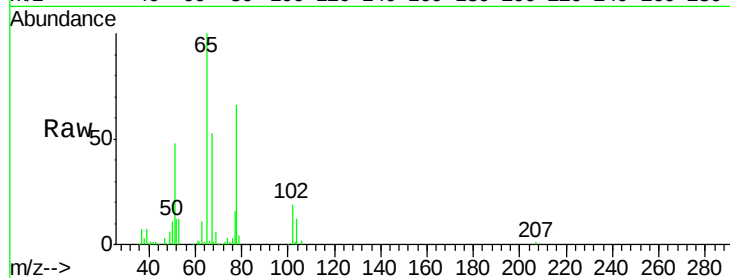
VN0310WBS01

Tgt Ion: 65 Resp: 133087

Ion Ratio Lower Upper

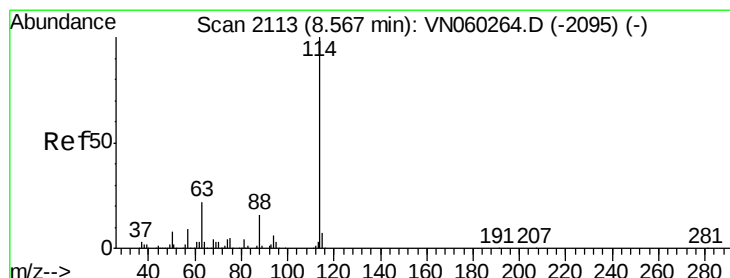
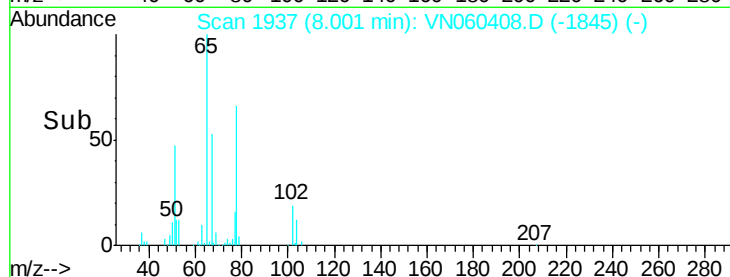
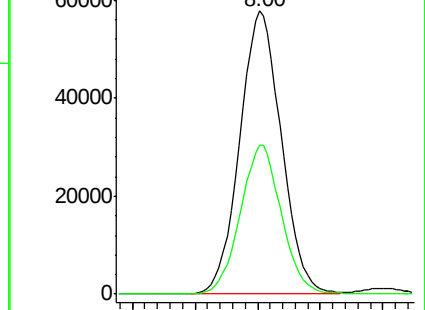
65 100

67 51.9 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060408.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060408.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

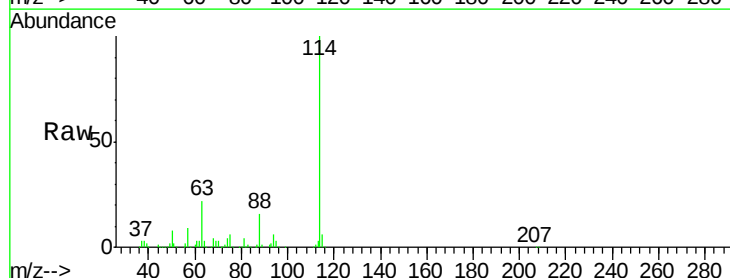
Tgt Ion: 114 Resp: 353637

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

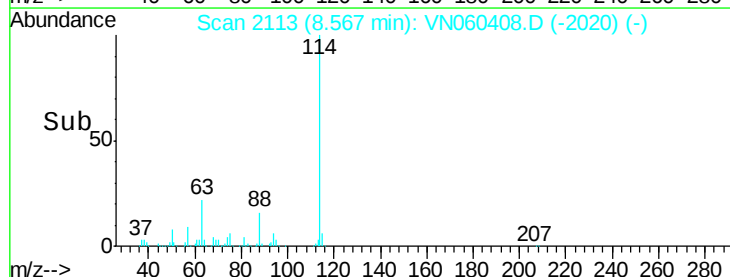
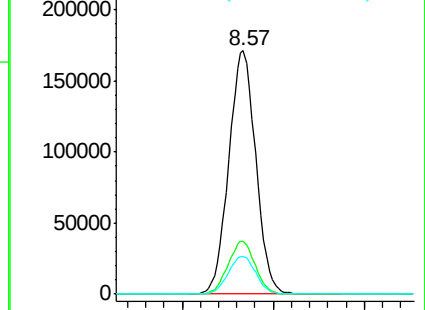
88 15.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060408.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060408.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060408.D (-2020) (-)

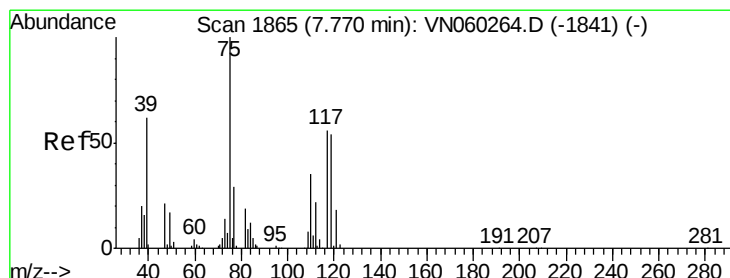
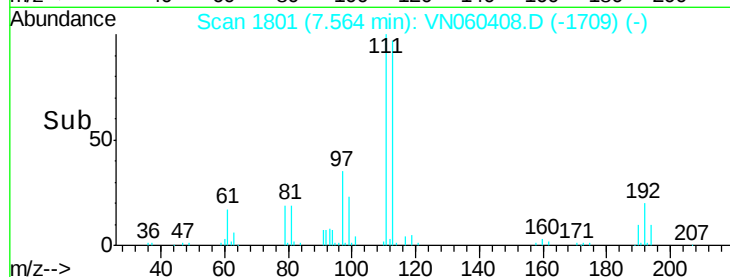
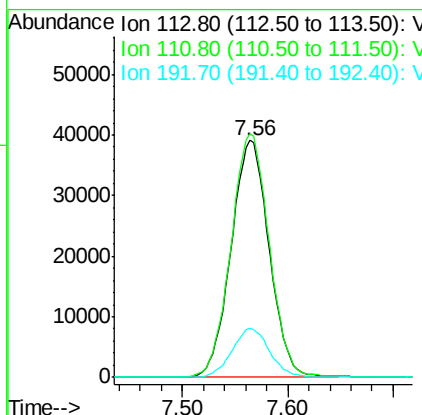
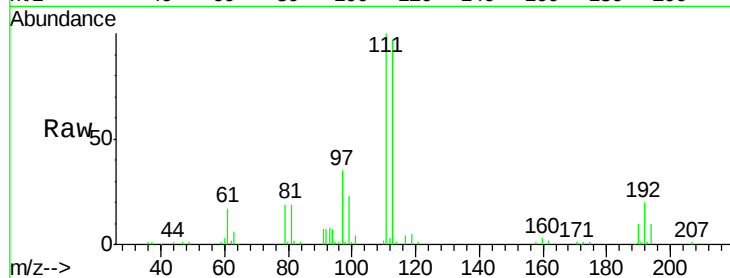




#35
 Dibromofluoromethane
 Concen: 59.787 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

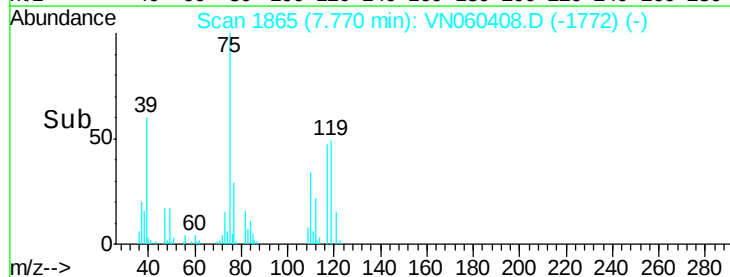
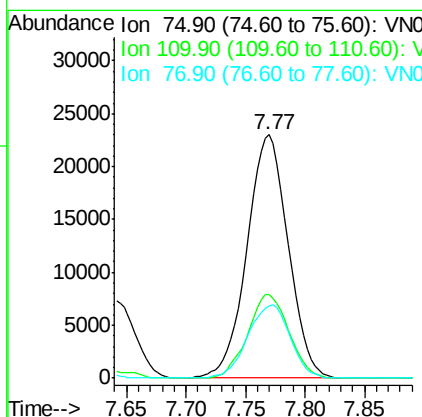
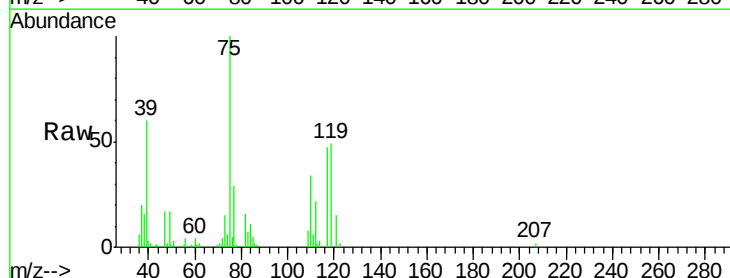
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Tgt Ion: 113 Resp: 98139
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 20.2 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 16.356 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 75 Resp: 55125
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.3 52.0
 77 30.9 24.2 36.2

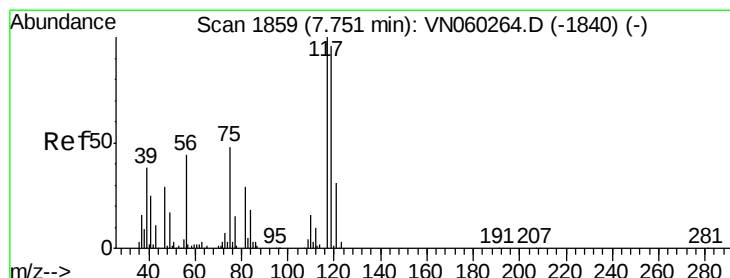
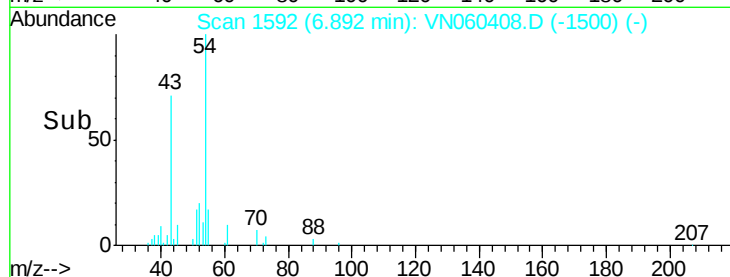
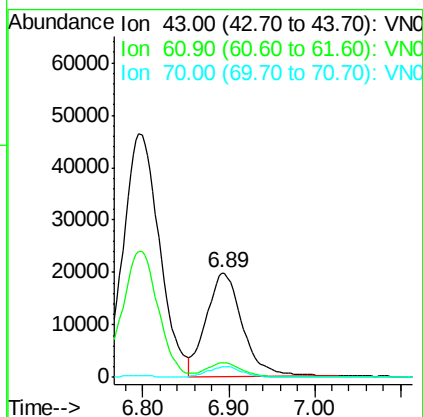
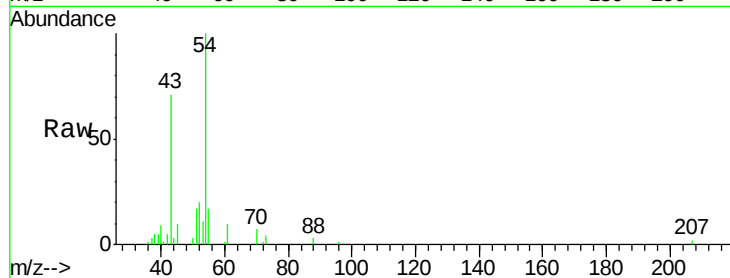




#37
Ethyl Acetate
Concen: 18.357 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

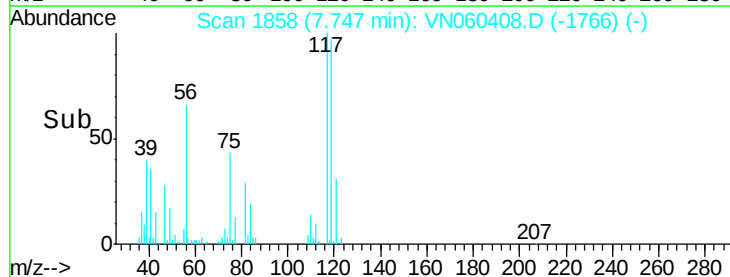
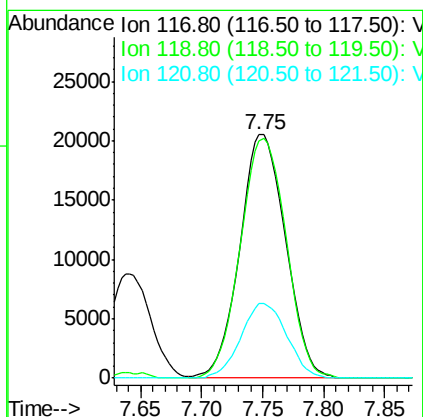
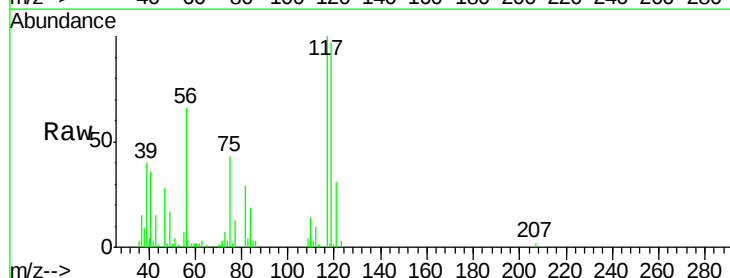
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

Tgt Ion: 43 Resp: 58583
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 9.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 16.259 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 117 Resp: 53354
Ion Ratio Lower Upper
117 100
119 97.4 76.7 115.1
121 30.5 24.5 36.7

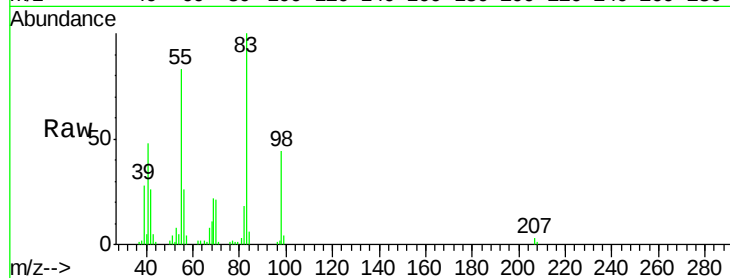




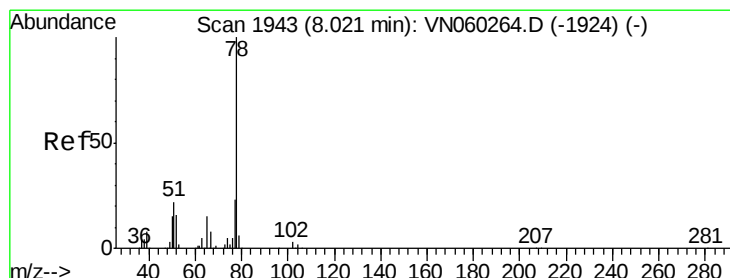
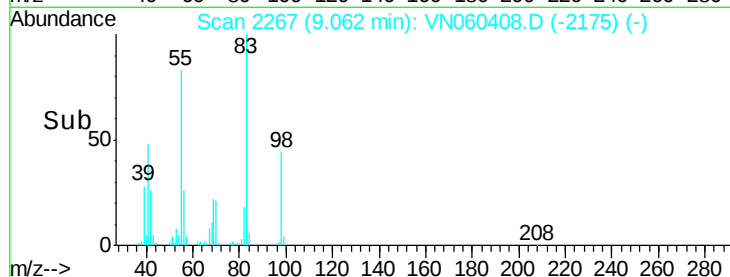
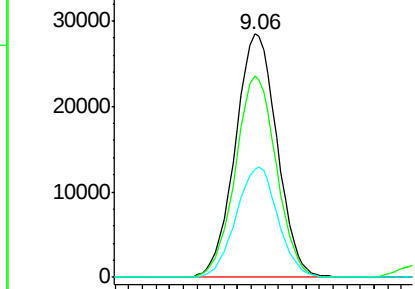
#39
Methylcyclohexane
Concen: 15.204 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Tgt Ion: 83 Resp: 60418
Ion Ratio Lower Upper
83 100
55 82.7 61.0 91.4
98 44.3 36.1 54.1

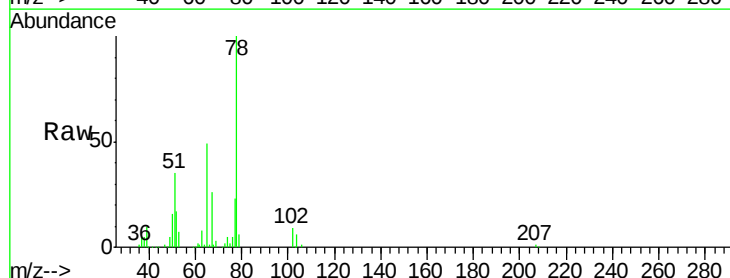


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

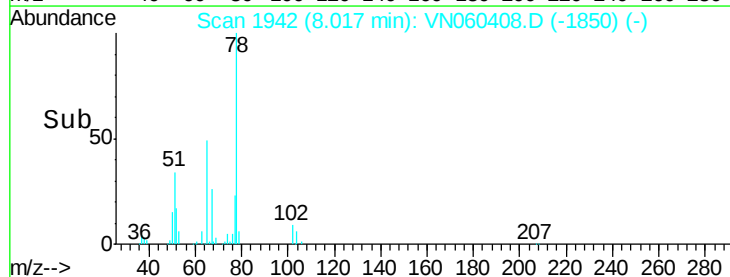
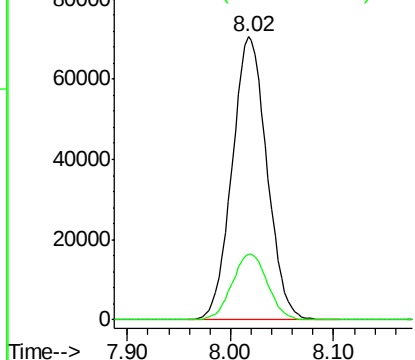


#40
Benzene
Concen: 16.878 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 78 Resp: 165565
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

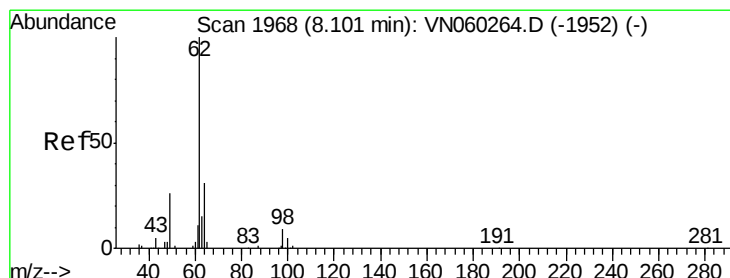
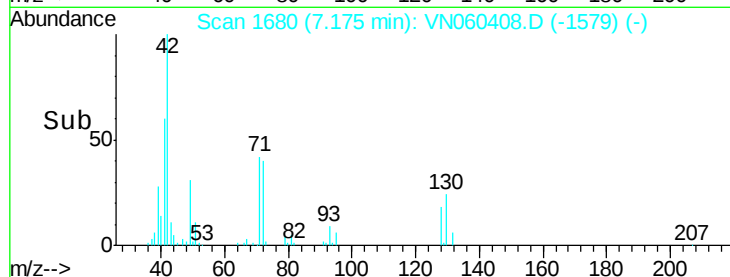
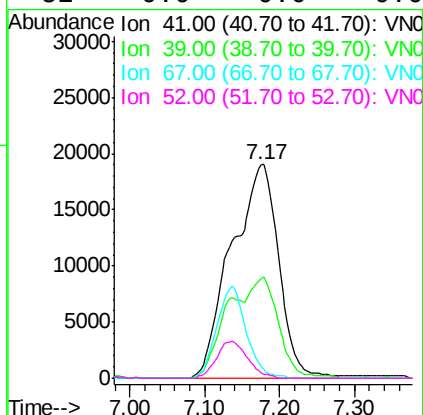
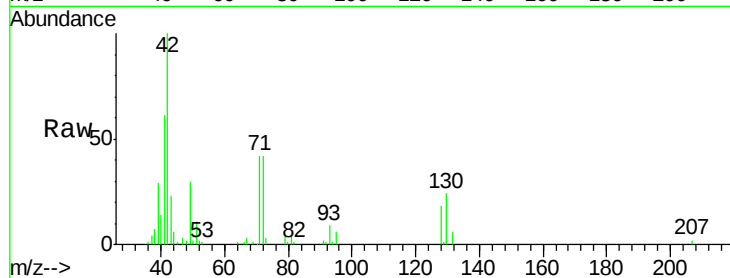




#41
Methacrylonitrile
Concen: 56.550 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

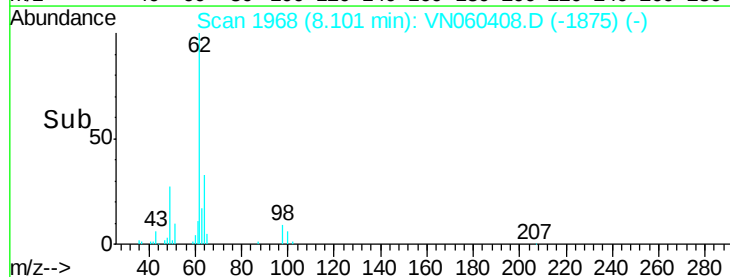
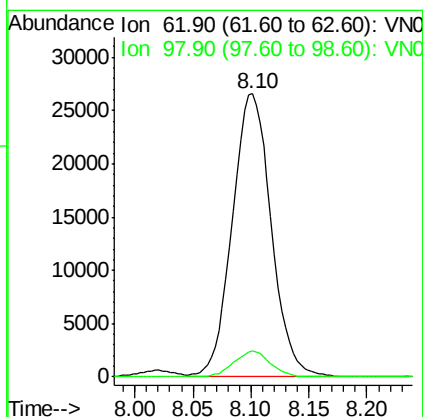
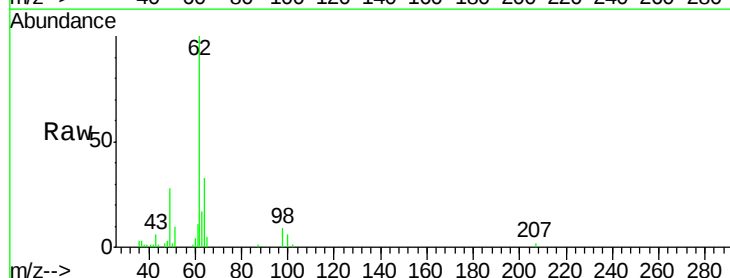
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

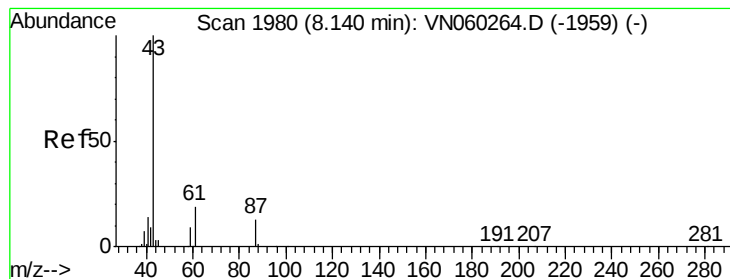
Tgt Ion:	41	Resp:	83328
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 17.506 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion:	62	Resp:	61969
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.0





#43

Isopropyl Acetate

Concen: 18.025 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

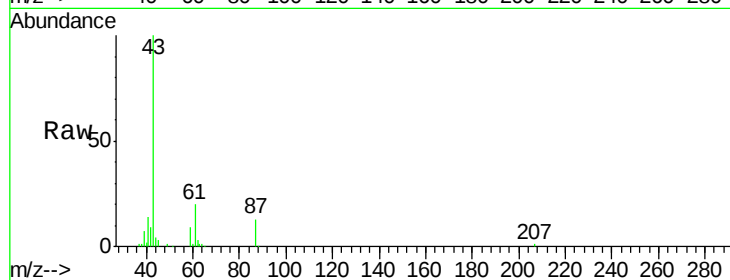
Tgt Ion: 43 Resp: 100706

Ion Ratio Lower Upper

43 100

61 25.3 20.9 31.3

87 12.2 10.6 16.0

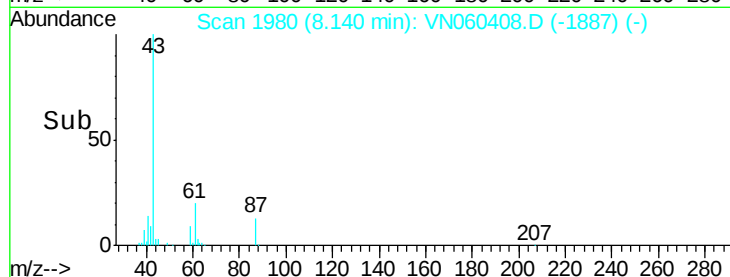


Abundance Ion 43.00 (42.70 to 43.70): VN060408.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060408.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060408.D (-1887) (-)

Time--> 8.00 8.10 8.20

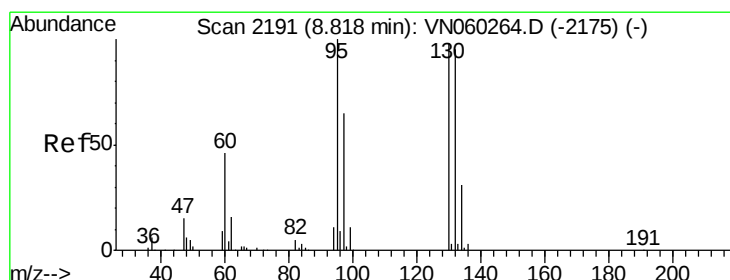


Abundance Ion 43.00 (42.70 to 43.70): VN060408.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060408.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060408.D (-1887) (-)

Time--> 8.00 8.10 8.20



#44

Trichloroethene

Concen: 16.838 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060408.D

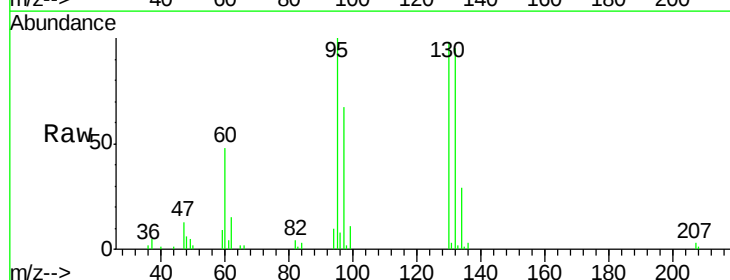
Acq: 10 Mar 2020 11:48

Tgt Ion: 130 Resp: 46002

Ion Ratio Lower Upper

130 100

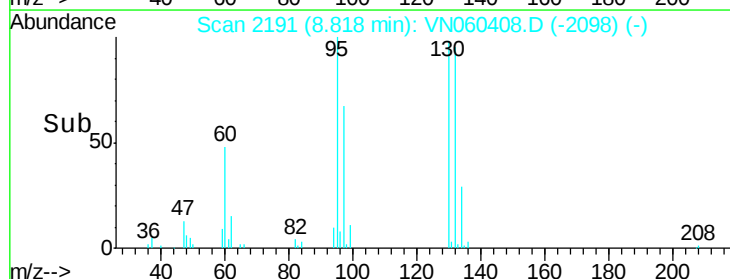
95 102.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060408.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060408.D (-2098) (-)

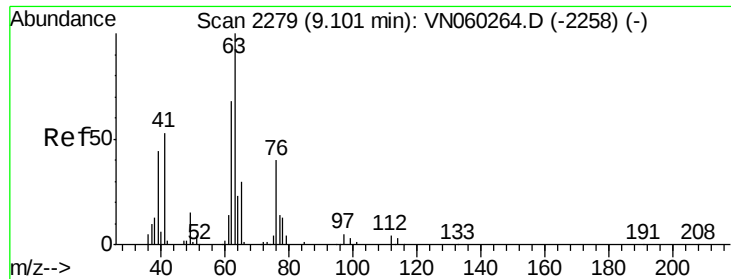
Time--> 8.75 8.80 8.85 8.90



Abundance Ion 129.80 (129.50 to 130.50): VN060408.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060408.D (-2098) (-)

Time--> 8.75 8.80 8.85 8.90



#45

1,2-Dichloropropane

Concen: 18.192 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

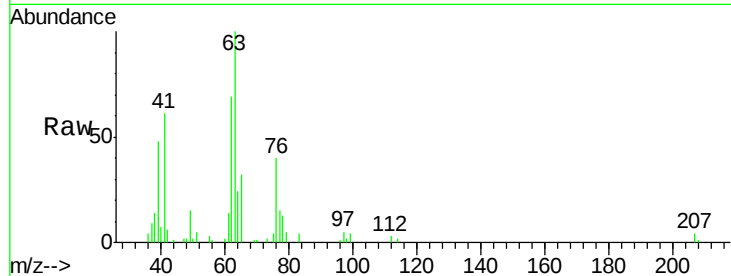
VN0310WBS01

Tgt Ion: 63 Resp: 46657

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

25000

20000

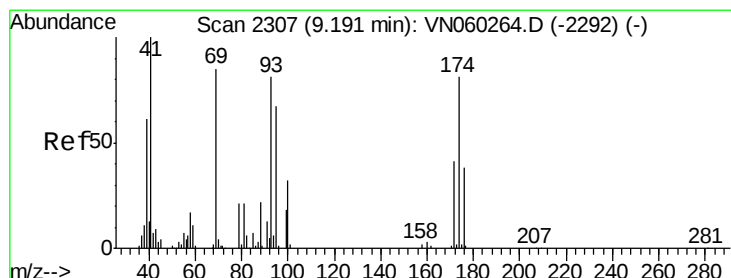
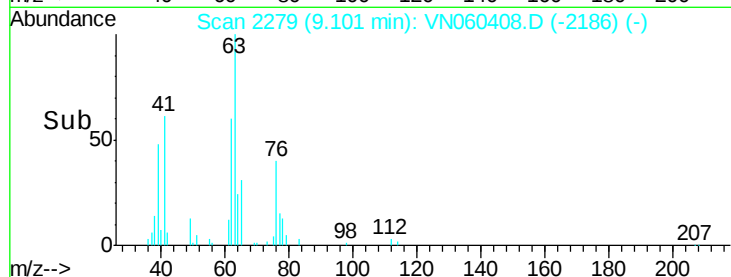
15000

10000

5000

0

Time--> 9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 17.044 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

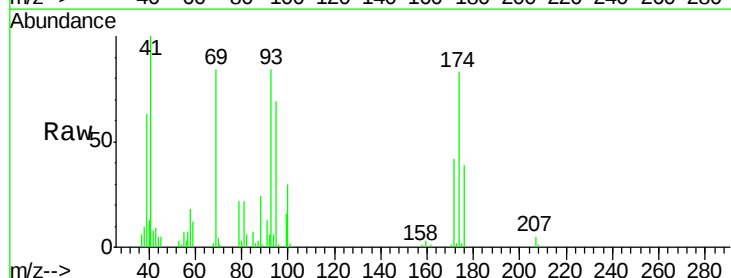
Tgt Ion: 93 Resp: 28364

Ion Ratio Lower Upper

93 100

95 82.9 65.9 98.9

174 97.7 79.6 119.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

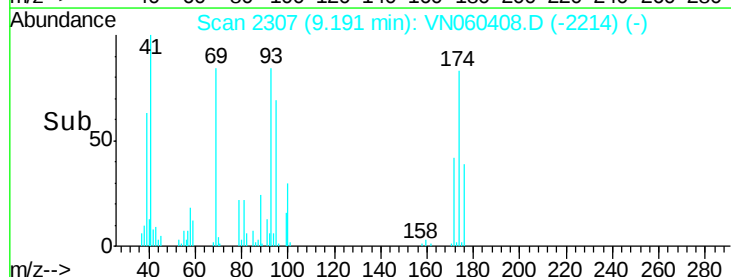
15000

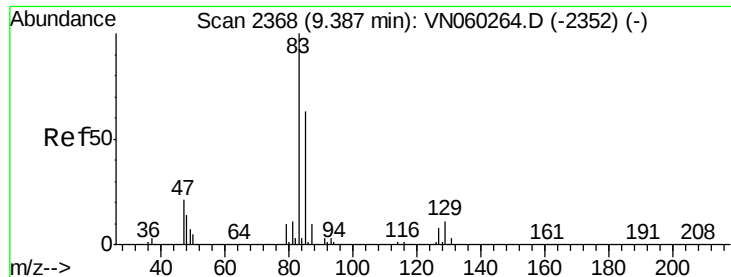
10000

5000

0

Time--> 9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 17.742 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

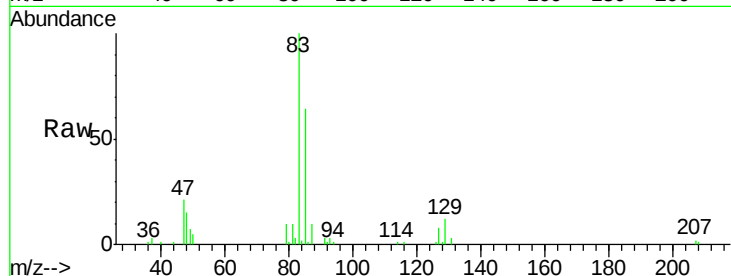
Tgt Ion: 83 Resp: 60051

Ion Ratio Lower Upper

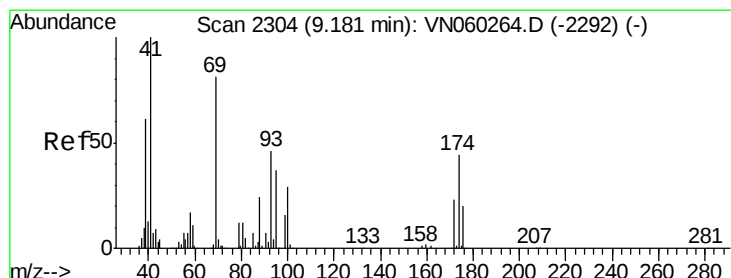
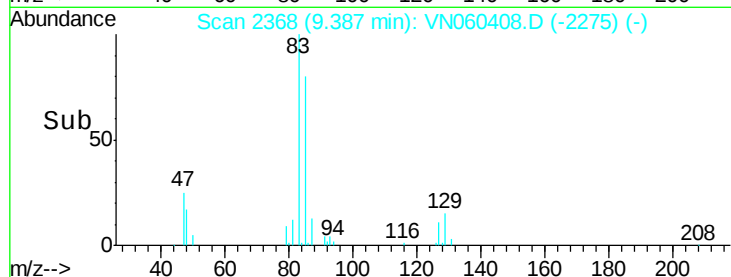
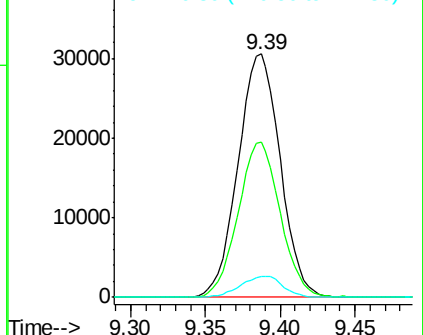
83 100

85 64.0 50.7 76.1

127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.978 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

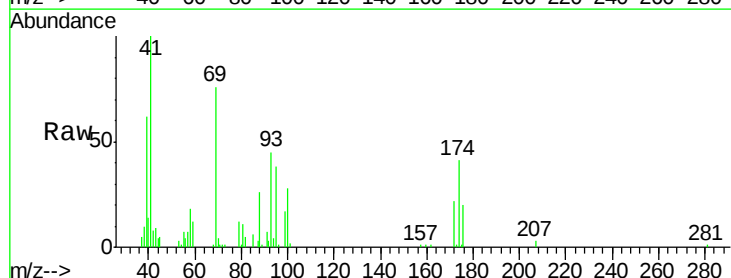
Tgt Ion: 41 Resp: 43256

Ion Ratio Lower Upper

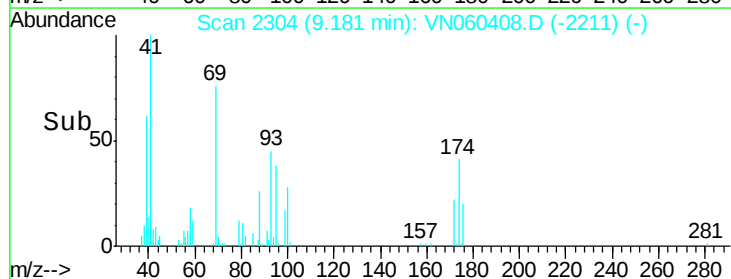
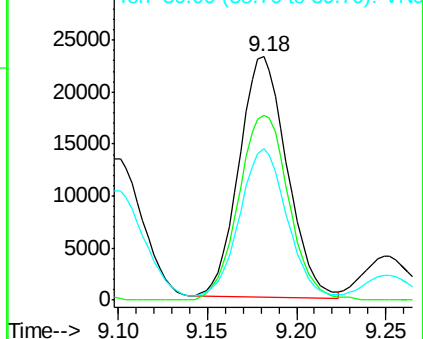
41 100

69 80.4 66.7 100.1

39 63.8 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 337.506 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

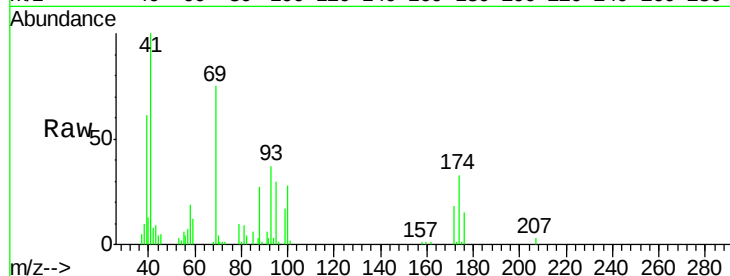
Tgt Ion: 88 Resp: 12092

Ion Ratio Lower Upper

88 100

43 37.5 30.4 45.6

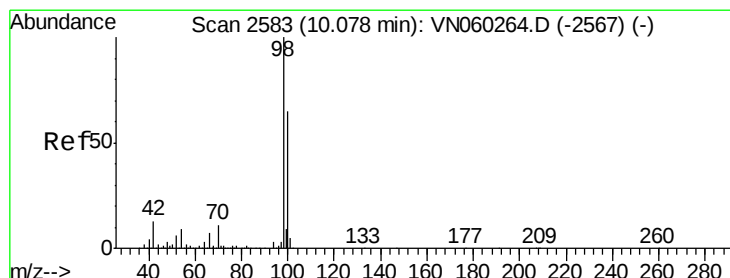
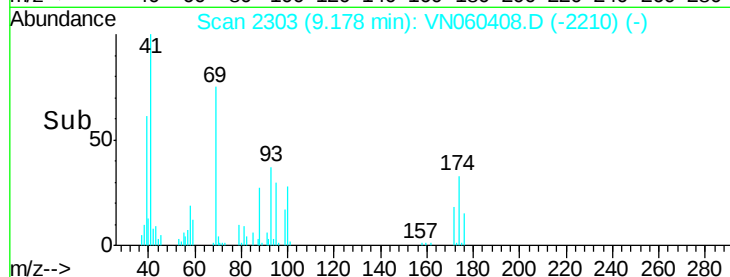
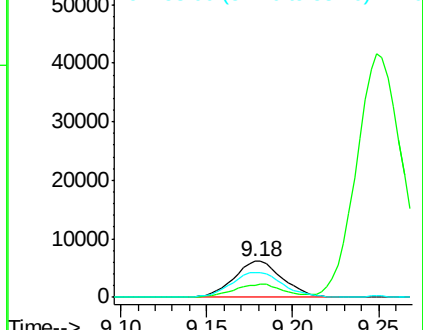
58 73.3 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 46.730 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060408.D

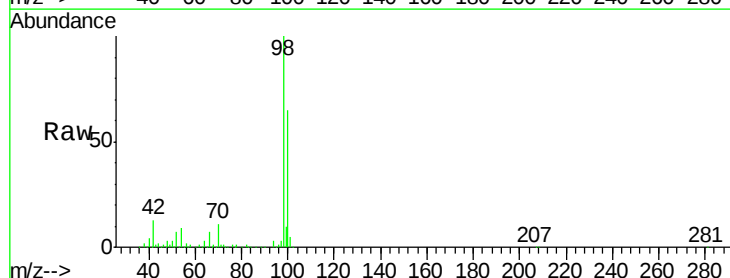
Acq: 10 Mar 2020 11:48

Tgt Ion: 98 Resp: 388218

Ion Ratio Lower Upper

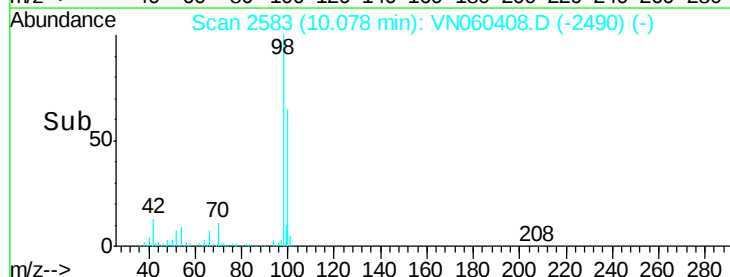
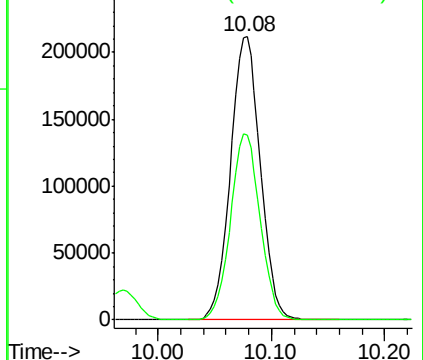
98 100

100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

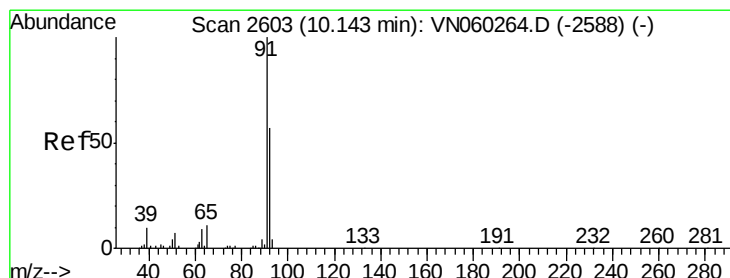
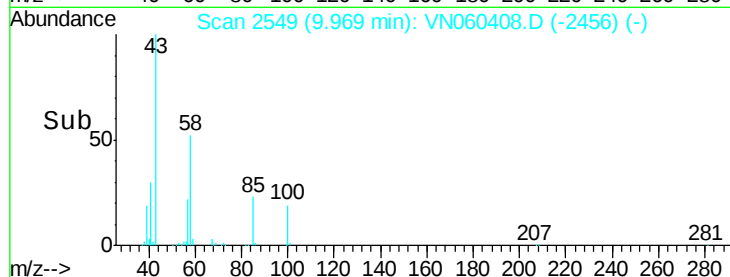
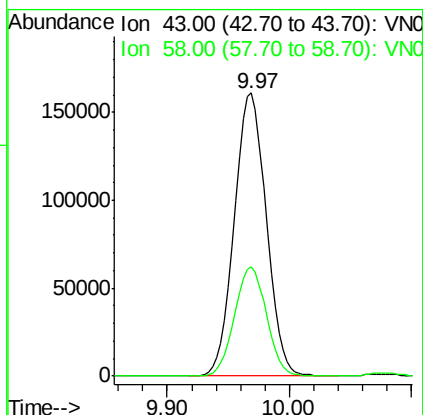
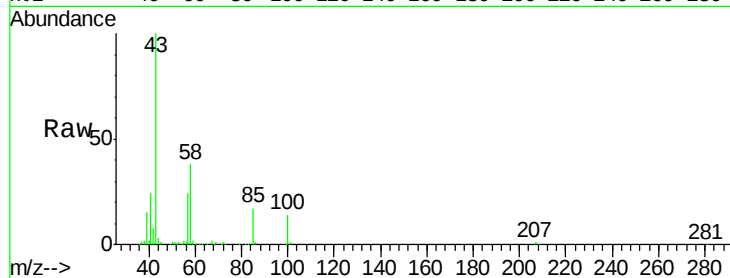




#51
 4-Methyl-2-Pentanone
 Concen: 92.350 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

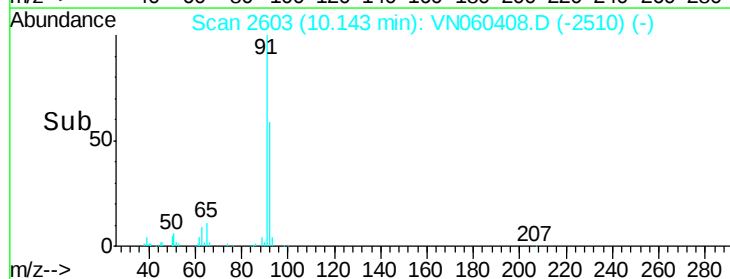
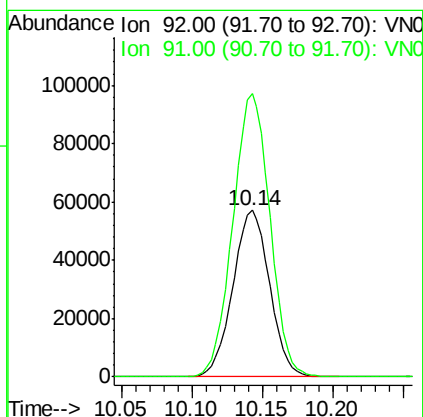
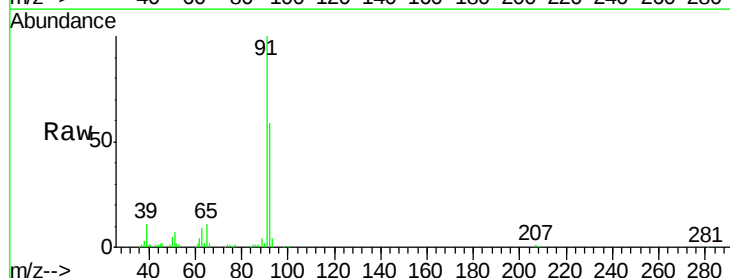
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

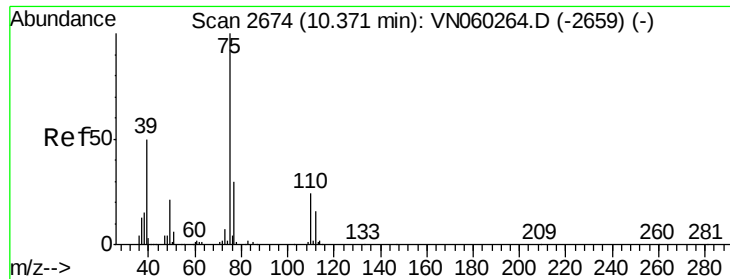
Tgt Ion: 43 Resp: 292535
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.9 46.3



#52
 Toluene
 Concen: 16.929 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 92 Resp: 104317
 Ion Ratio Lower Upper
 92 100
 91 171.4 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 16.600 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

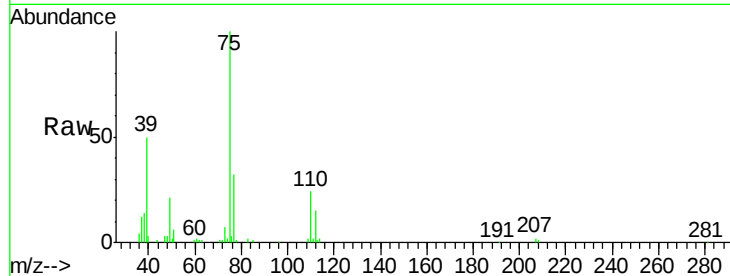
VN0310WBS01

Tgt Ion: 75 Resp: 68845

Ion Ratio Lower Upper

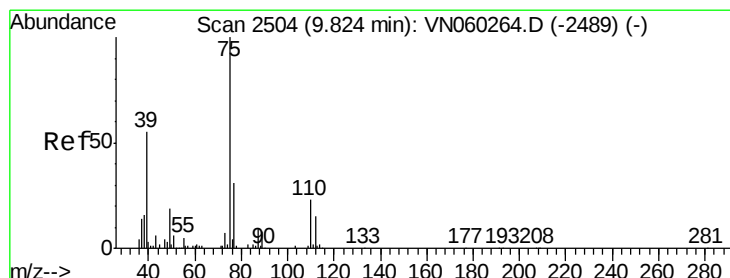
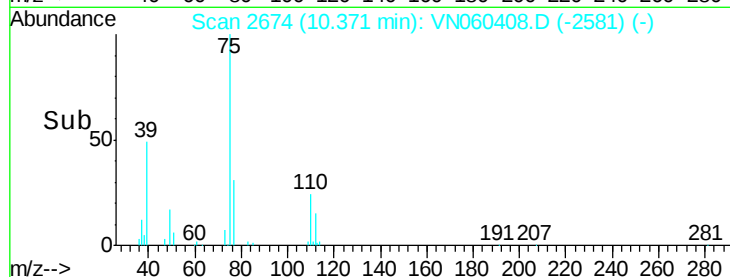
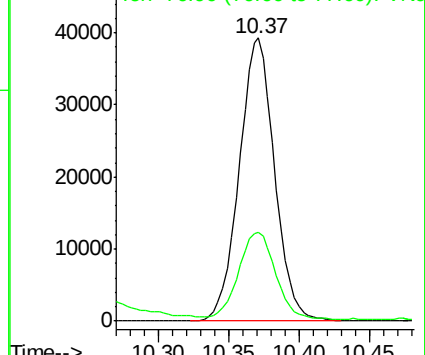
75 100

77 30.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.087 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

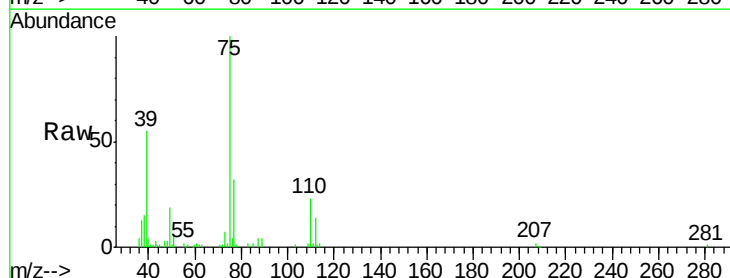
Tgt Ion: 75 Resp: 73430

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

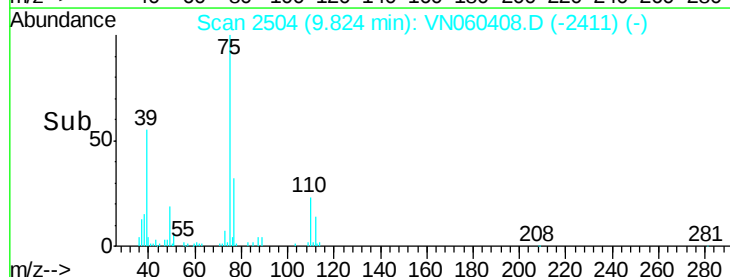
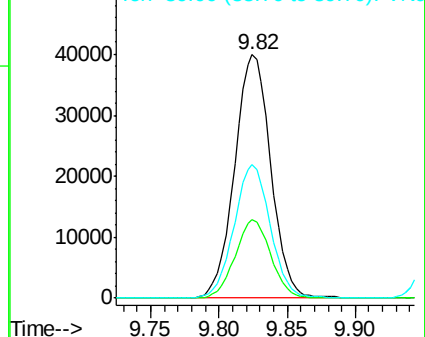
39 55.0 43.8 65.8

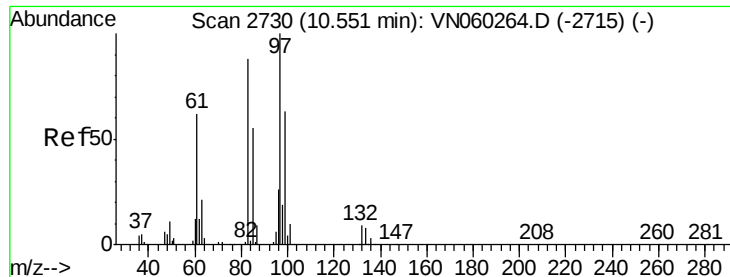


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

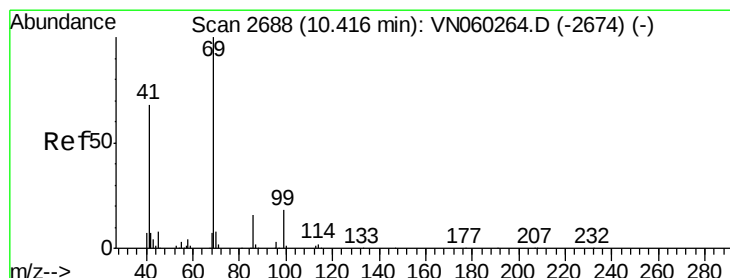
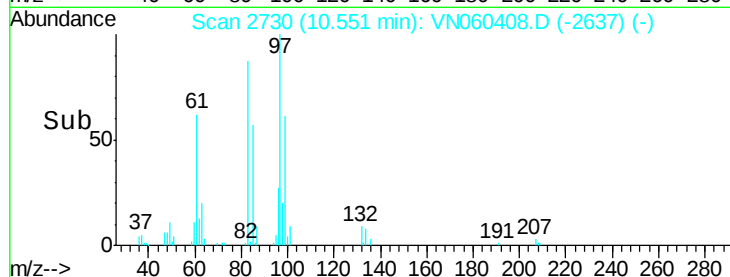
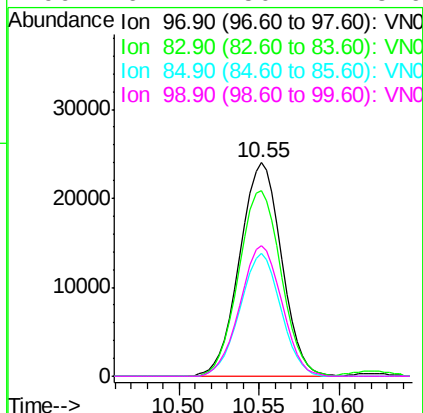
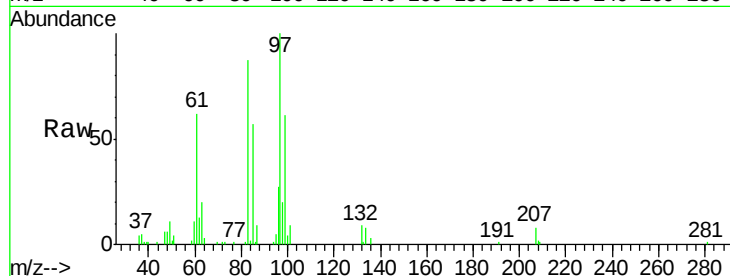




#55
 1,1,2-Trichloroethane
 Concen: 17.356 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

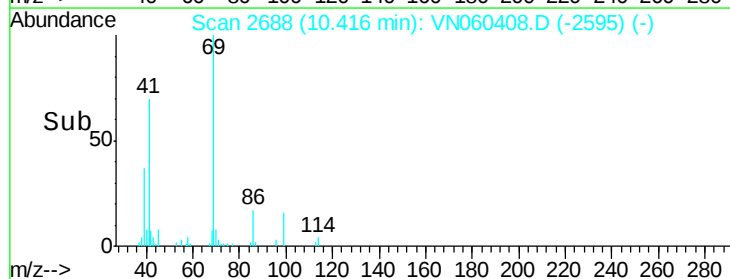
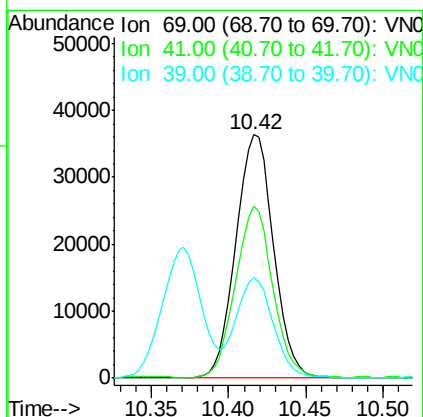
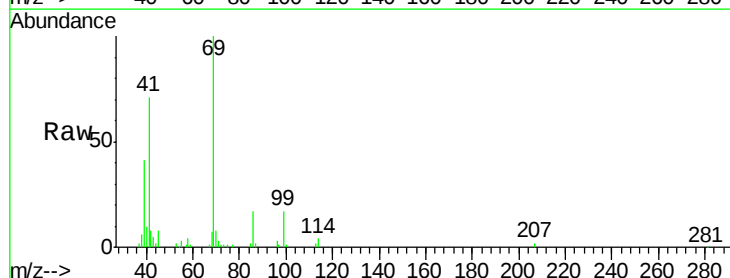
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Tgt Ion:	97	Resp:	43008
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.0	105.0
85	57.3	44.0	66.0
99	61.4	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 17.331 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion:	69	Resp:	61700
Ion	Ratio	Lower	Upper
69	100		
41	70.2	54.1	81.1
39	41.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 17.707 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

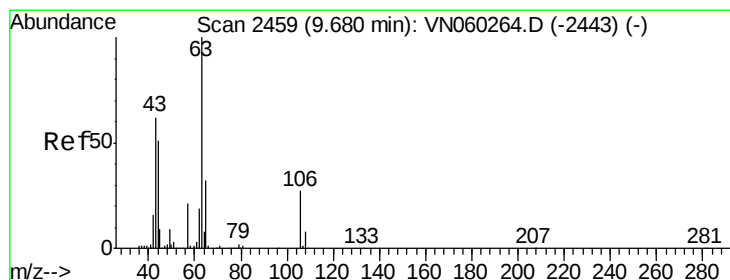
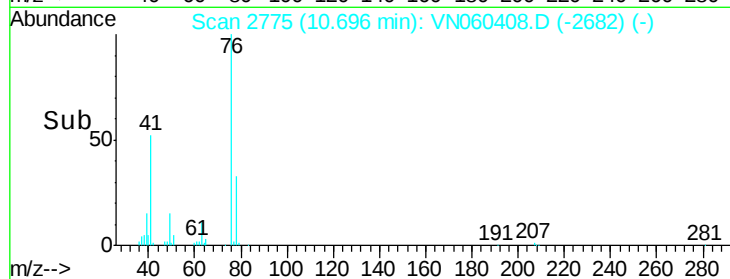
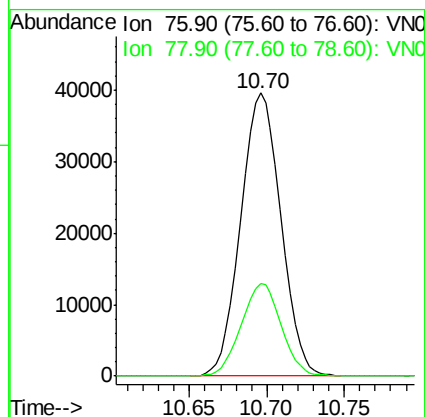
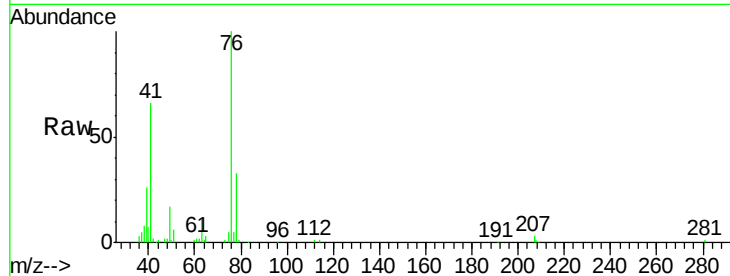
VN0310WBS01

Tgt Ion: 76 Resp: 71557

Ion Ratio Lower Upper

76 100

78 32.5 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 83.135 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060408.D

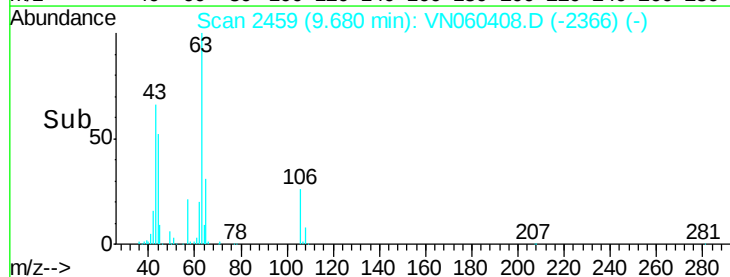
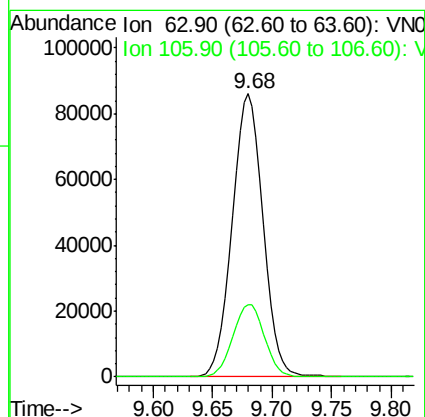
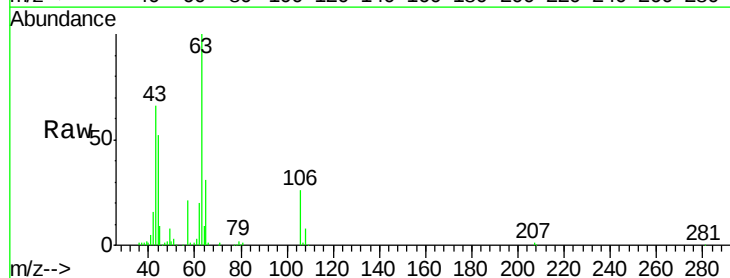
Acq: 10 Mar 2020 11:48

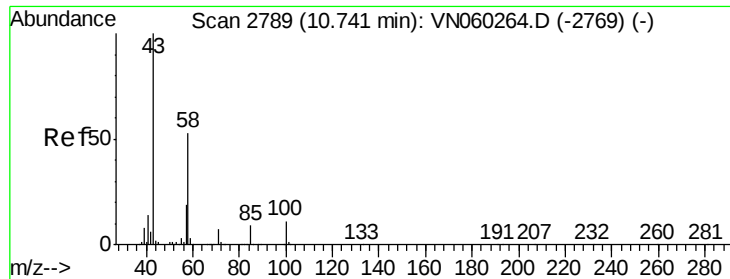
Tgt Ion: 63 Resp: 154791

Ion Ratio Lower Upper

63 100

106 26.1 21.1 31.7

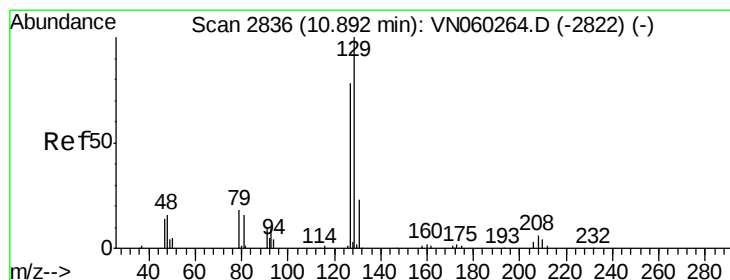
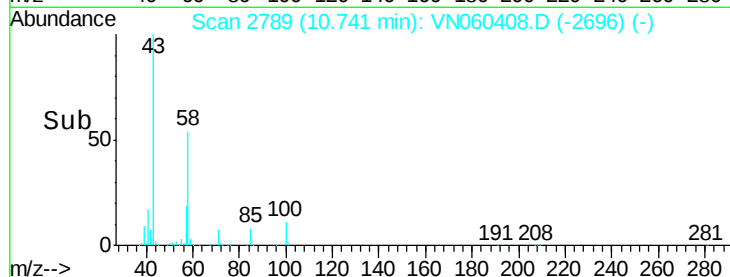
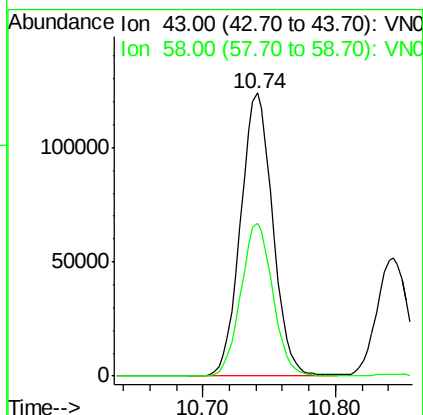
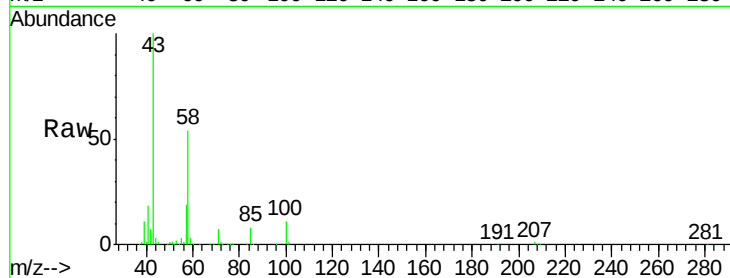




#59
2-Hexanone
Concen: 89.816 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

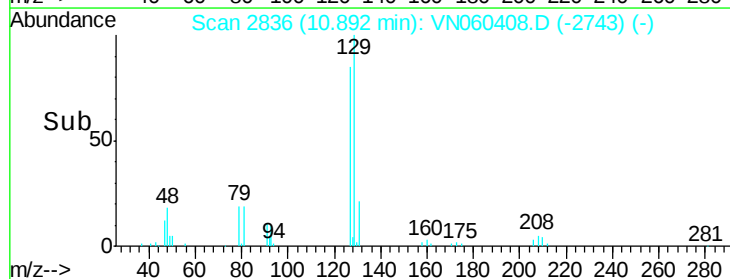
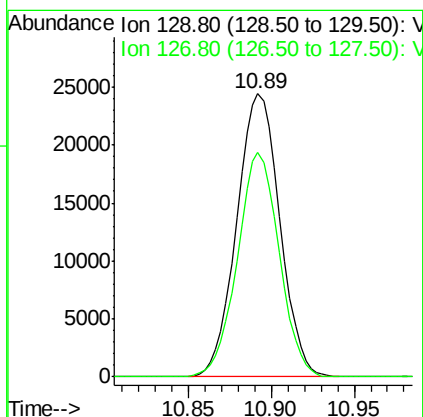
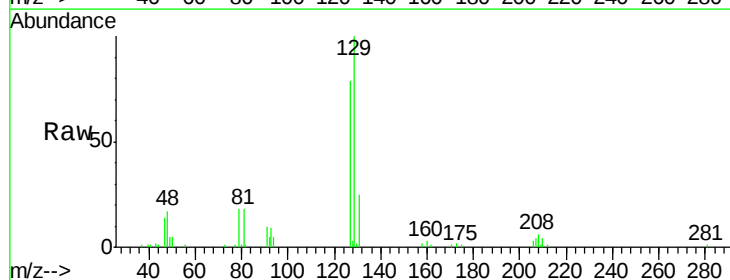
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

Tgt Ion: 43 Resp: 208892
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 17.534 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 129 Resp: 44187
Ion Ratio Lower Upper
129 100
127 76.6 38.9 116.7

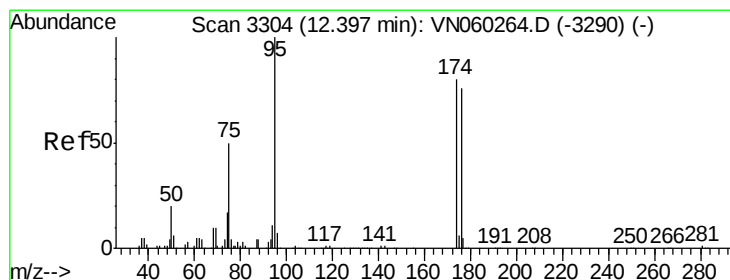
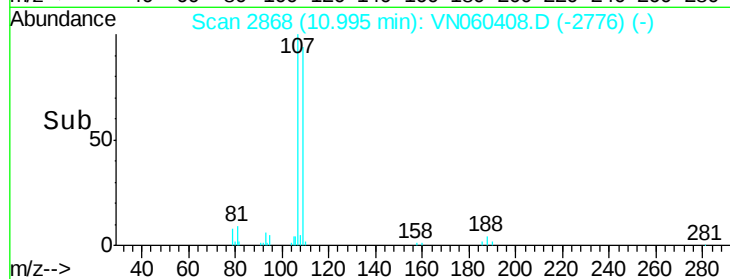
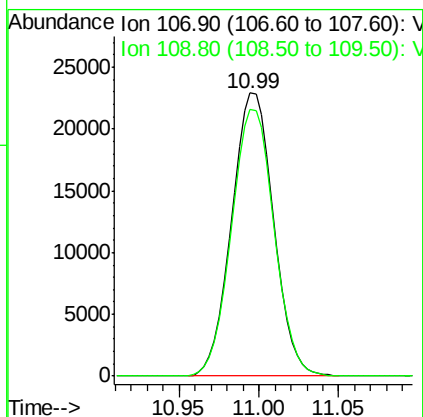
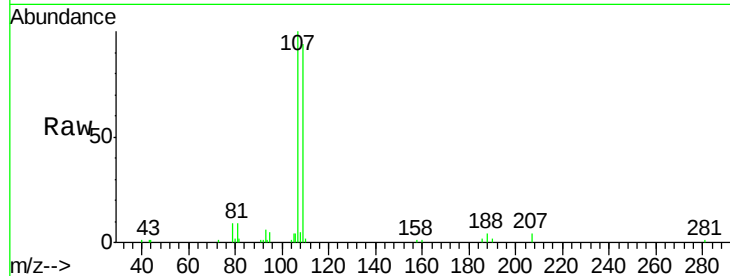




#61
 1,2-Dibromoethane
 Concen: 16.933 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

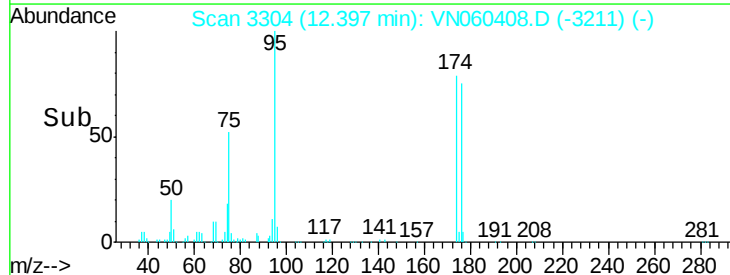
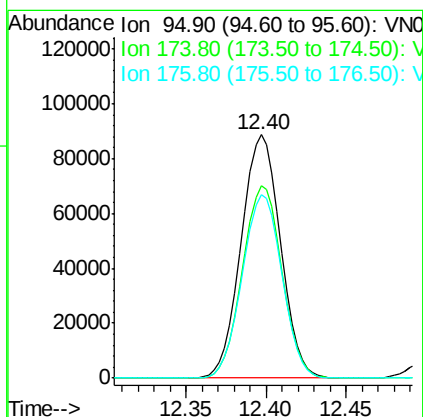
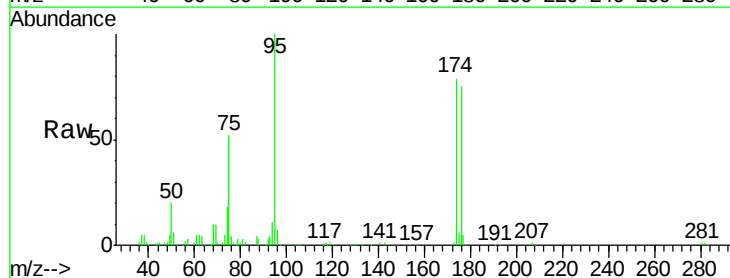
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Tgt Ion: 107 Resp: 40905
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.160 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion: 95 Resp: 148517
 Ion Ratio Lower Upper
 95 100
 174 79.5 0.0 159.2
 176 76.2 0.0 153.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

VN0310WBS01

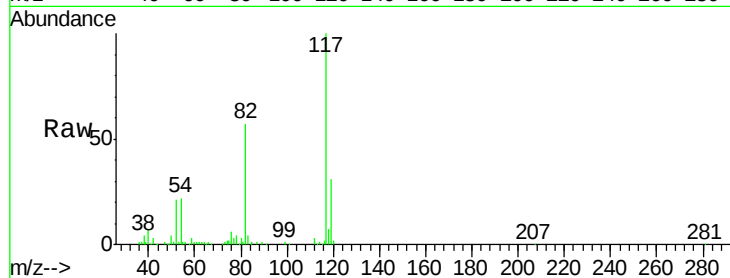
Tgt Ion:117 Resp: 328816

Ion Ratio Lower Upper

117 100

82 56.7 45.8 68.6

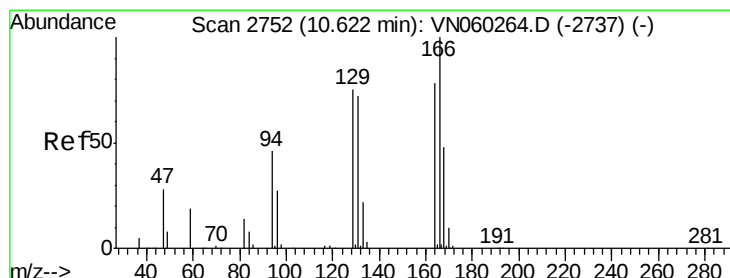
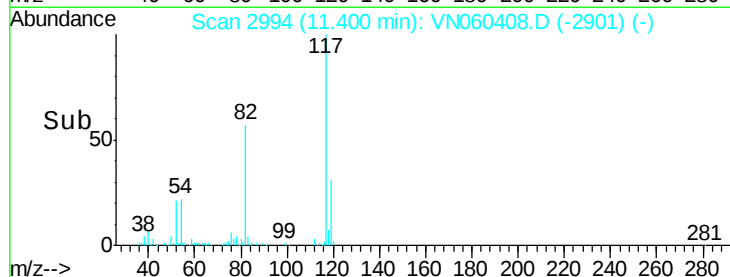
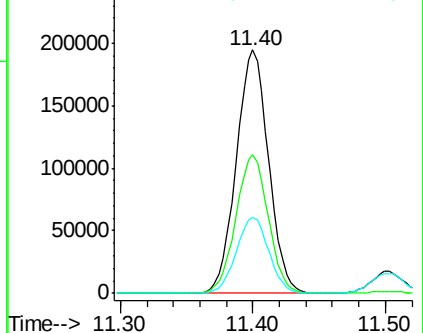
119 31.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 17.426 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Tgt Ion:164 Resp: 47499

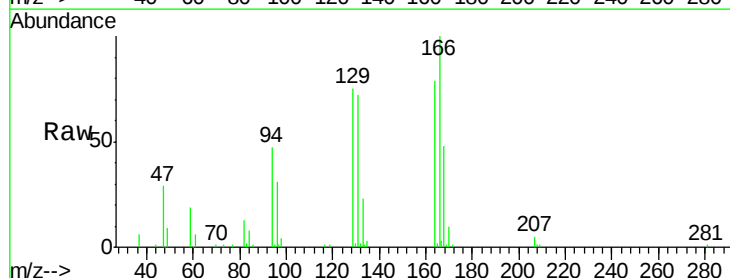
Ion Ratio Lower Upper

164 100

166 126.6 102.0 153.0

129 95.0 76.4 114.6

131 90.6 73.6 110.4

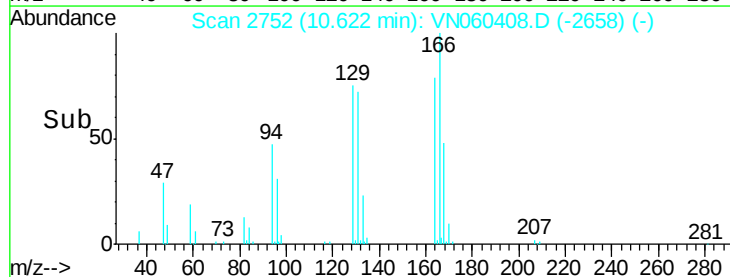
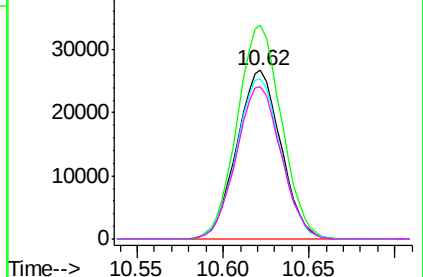


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 16.477 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

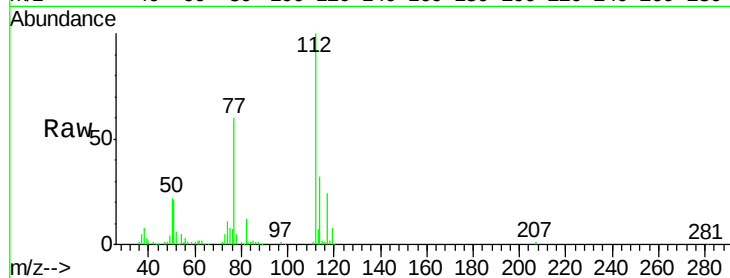
VN0310WBS01

Tgt Ion:112 Resp: 109403

Ion Ratio Lower Upper

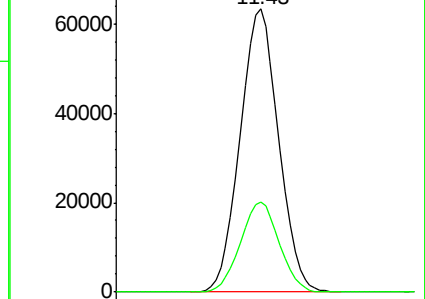
112 100

114 32.0 25.4 38.0

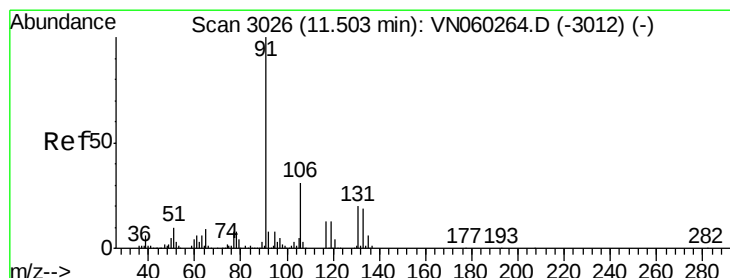
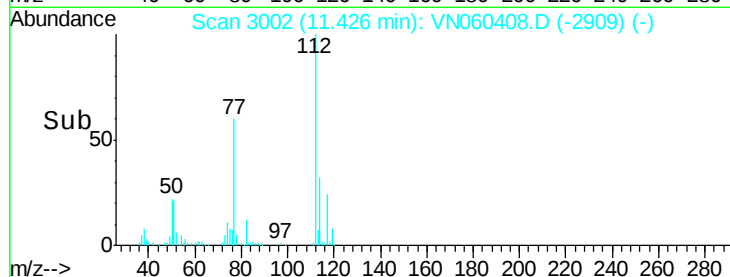


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.050 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

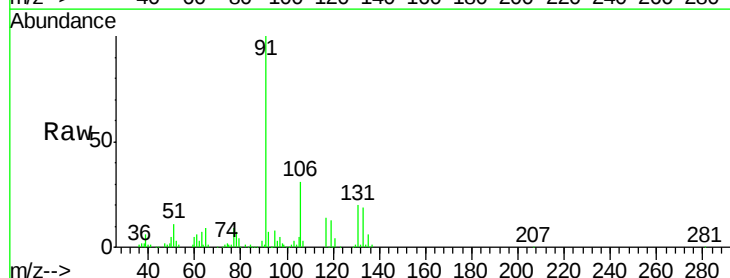
Tgt Ion:131 Resp: 41858

Ion Ratio Lower Upper

131 100

133 95.4 47.7 143.1

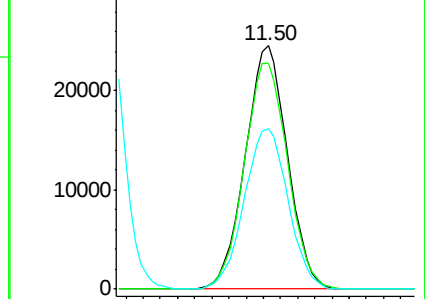
119 68.2 33.2 99.6



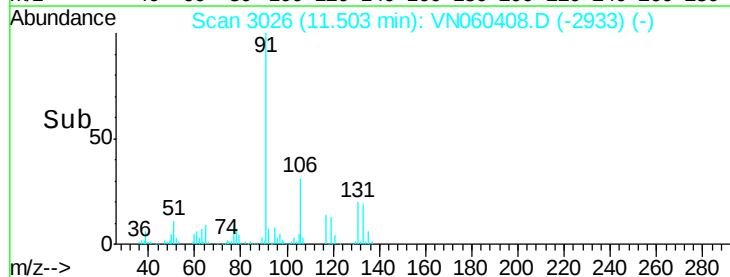
Abundance Ion 130.80 (130.50 to 131.50): V

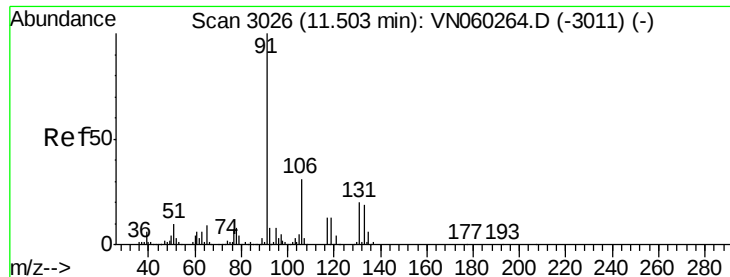
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 16.695 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

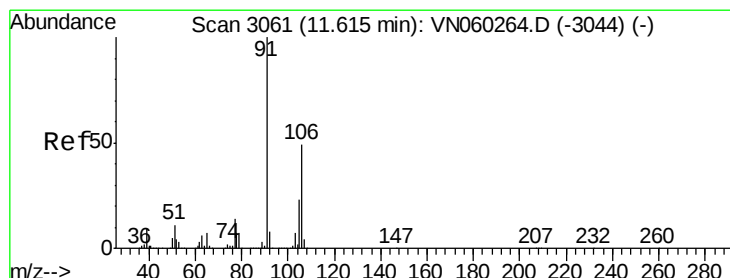
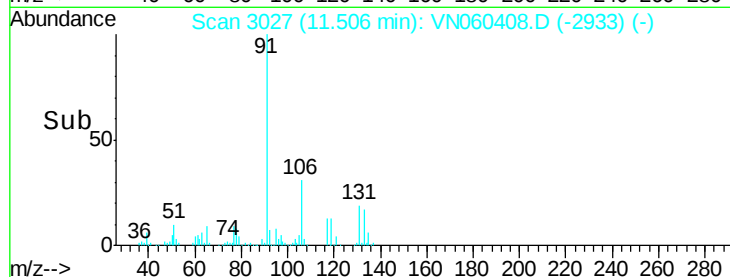
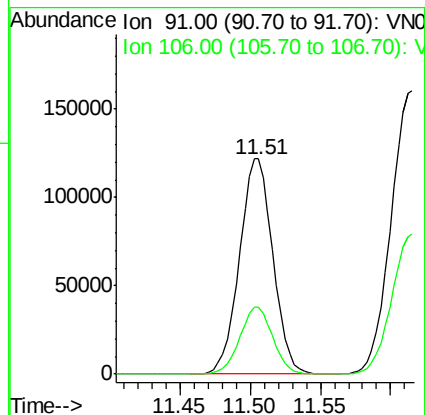
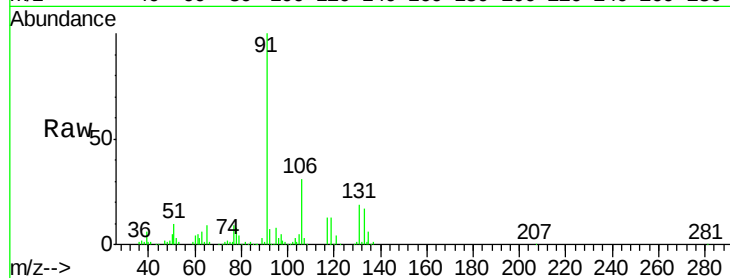
VN0310WBS01

Tgt Ion: 91 Resp: 201868

Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



#68

m/p-Xylenes

Concen: 33.142 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060408.D

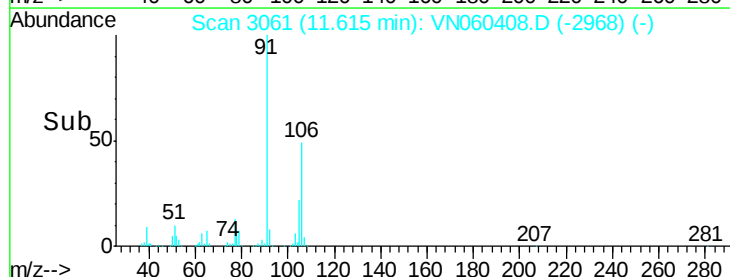
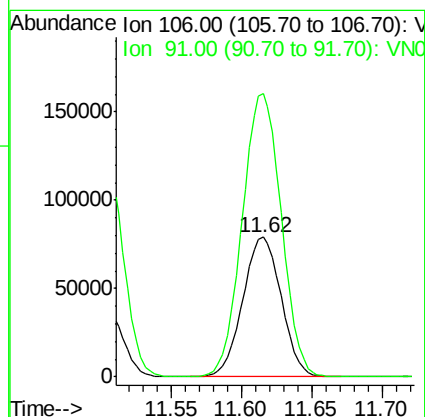
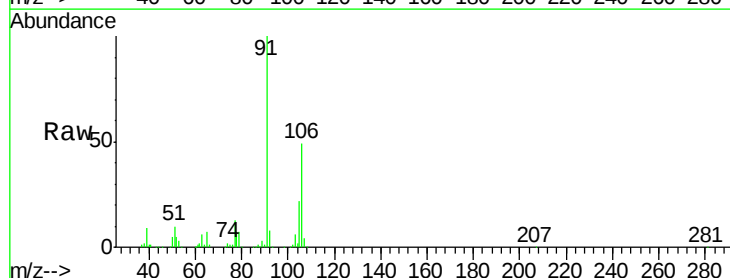
Acq: 10 Mar 2020 11:48

Tgt Ion: 106 Resp: 151194

Ion Ratio Lower Upper

106 100

91 205.6 164.5 246.7

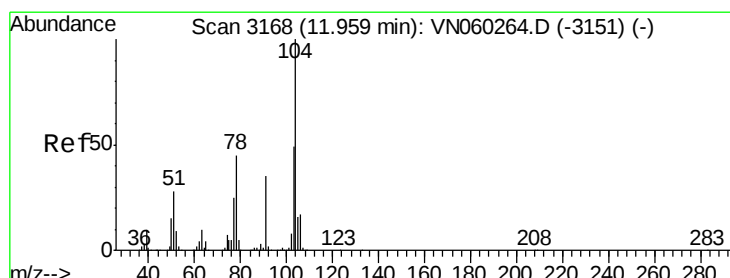
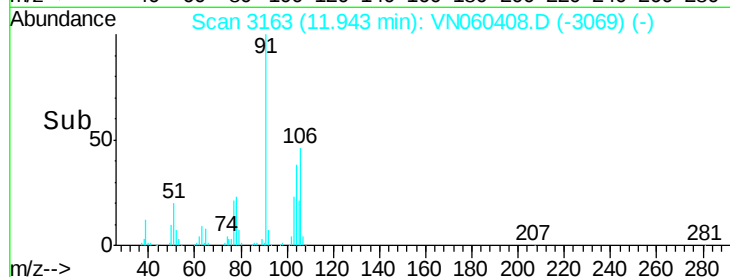
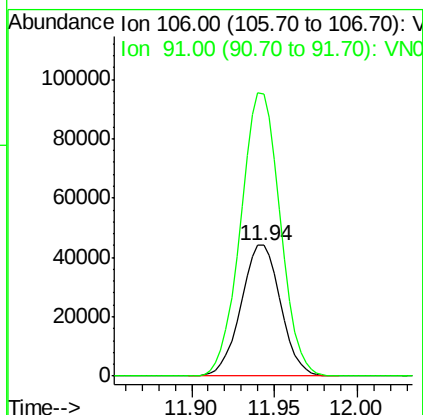
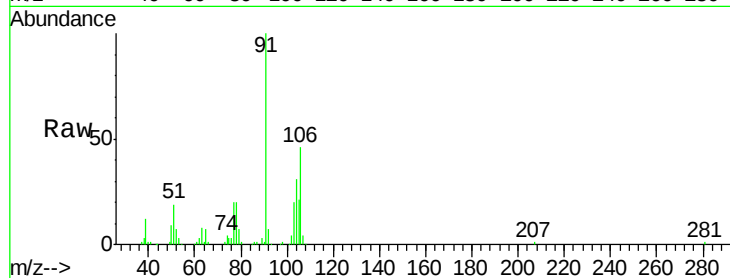




#69
o-Xylene
Concen: 16.892 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

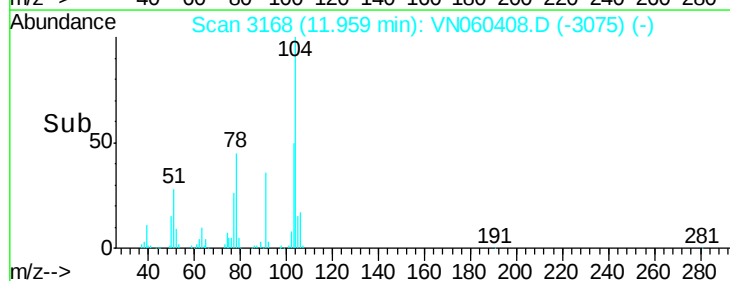
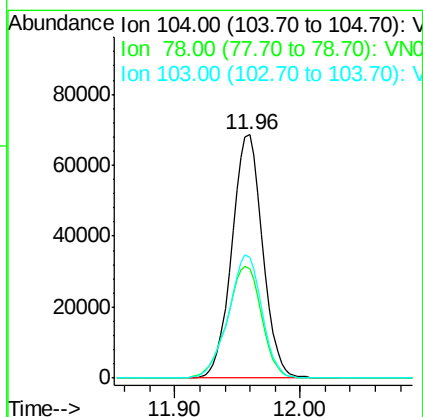
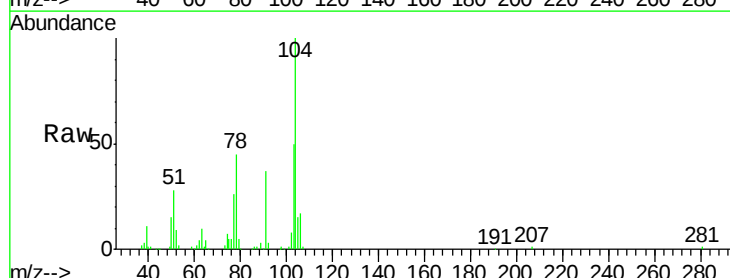
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

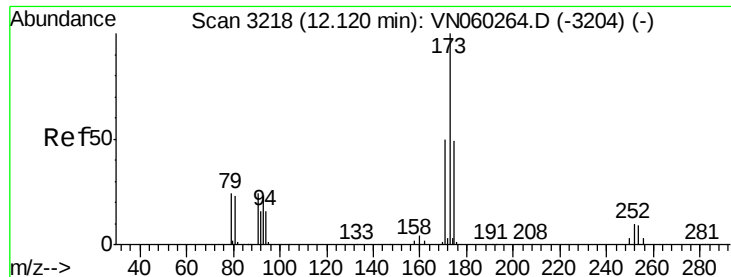
Tgt Ion:106 Resp: 73483
Ion Ratio Lower Upper
106 100
91 215.8 109.5 328.4



#70
Styrene
Concen: 16.350 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion:104 Resp: 116943
Ion Ratio Lower Upper
104 100
78 51.4 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 17.125 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

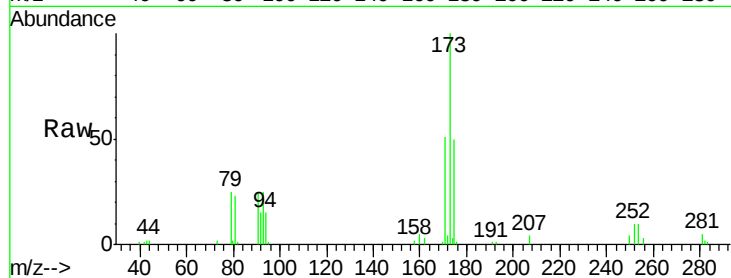
Tgt Ion:173 Resp: 30300

Ion Ratio Lower Upper

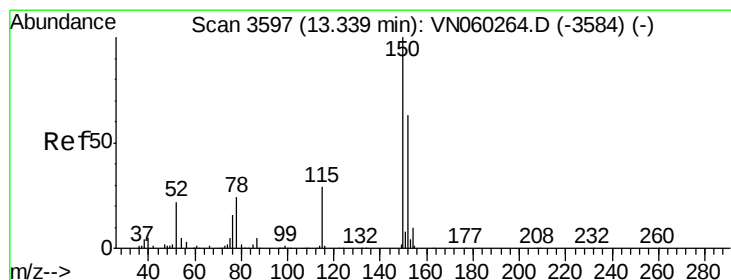
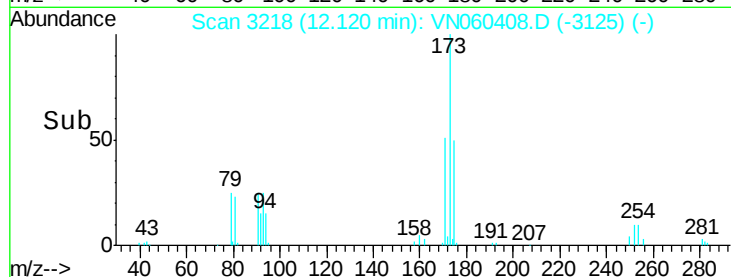
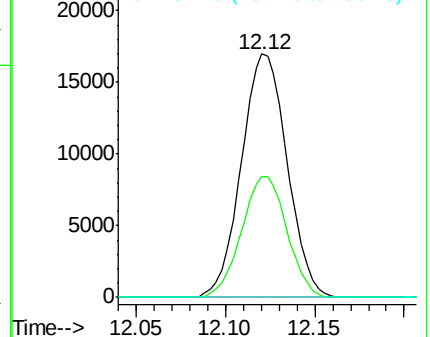
173 100

175 49.2 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

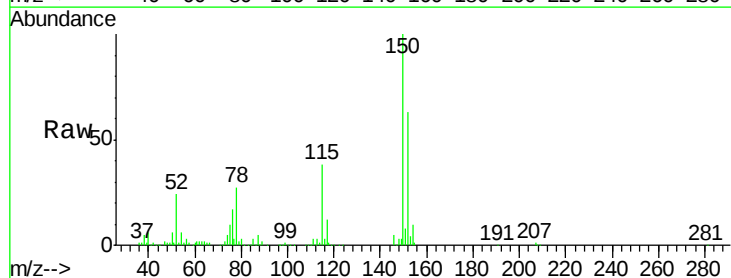
Tgt Ion:152 Resp: 155182

Ion Ratio Lower Upper

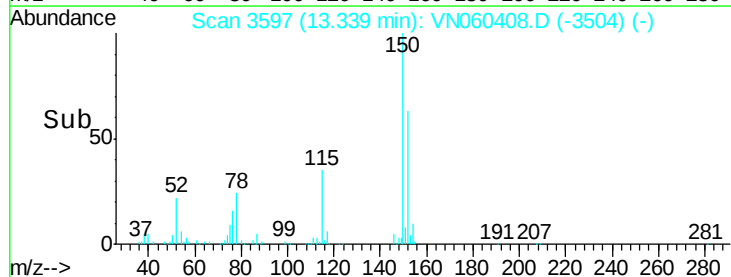
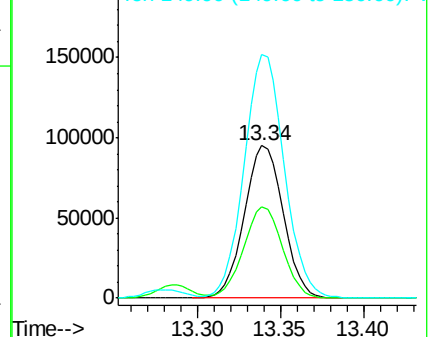
152 100

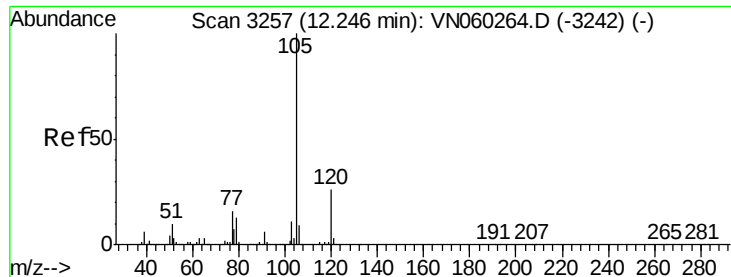
115 59.9 30.0 90.0

150 165.1 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.040 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampled :

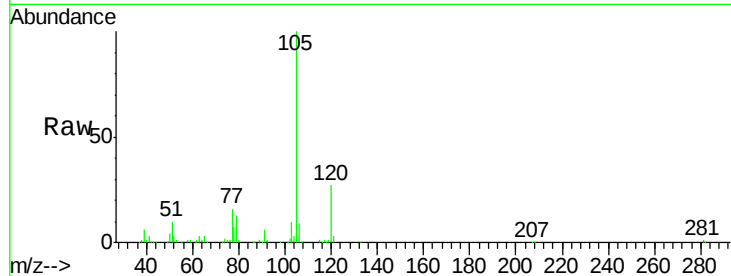
VN0310WBS01

Tgt Ion: 105 Resp: 195990

Ion Ratio Lower Upper

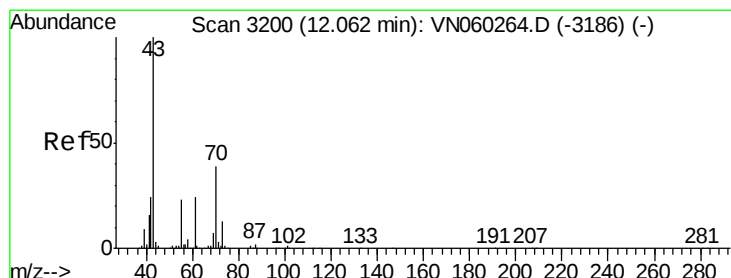
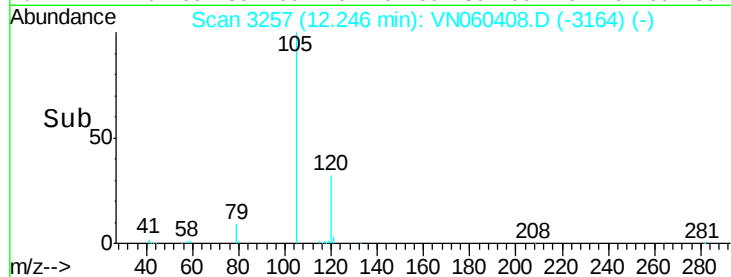
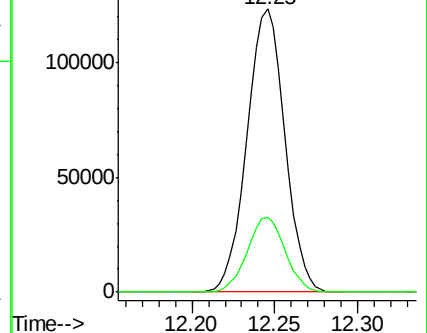
105 100

120 26.5 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.084 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Tgt Ion: 43 Resp: 85865

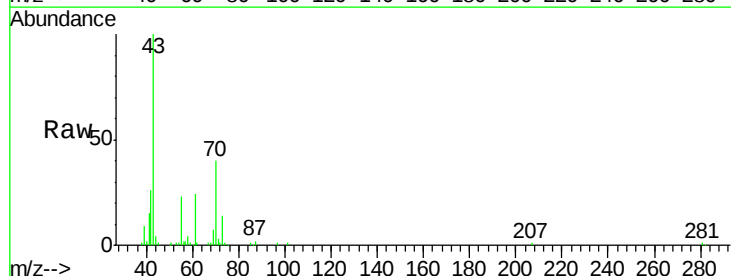
Ion Ratio Lower Upper

43 100

70 39.0 32.2 48.2

55 23.2 18.2 27.4

61 23.2 19.2 28.8

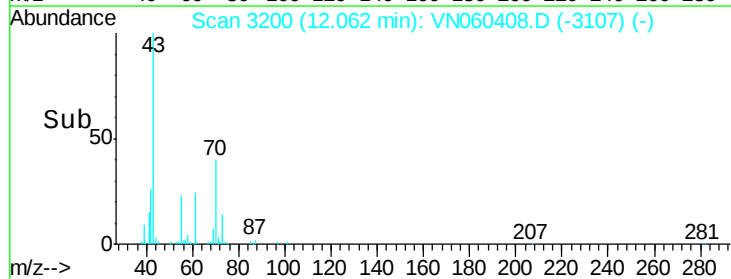
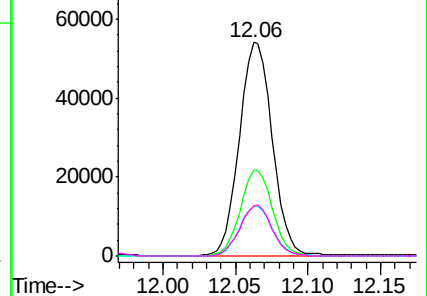


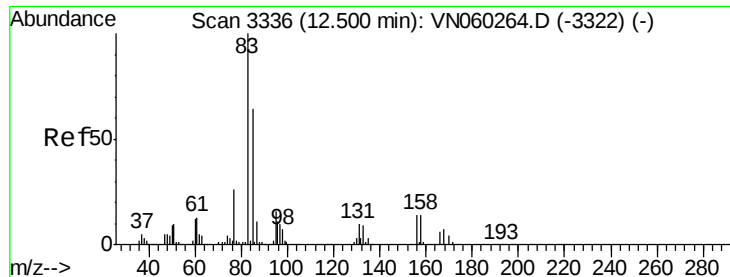
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.458 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

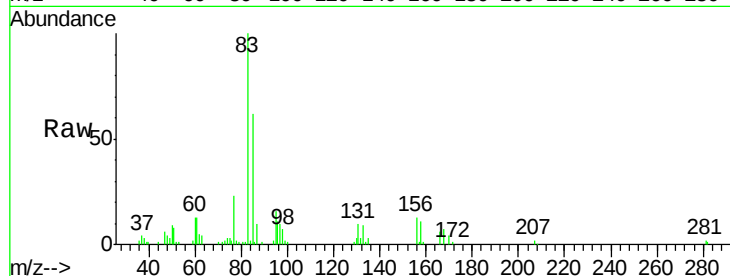
Tgt Ion: 83 Resp: 57709

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

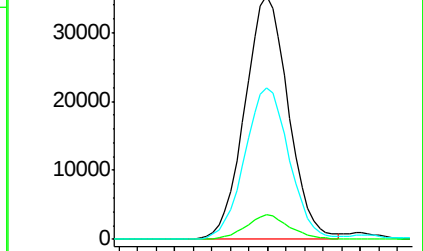
85 63.8 32.3 96.8



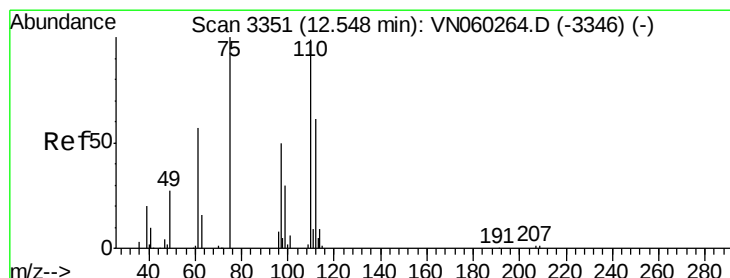
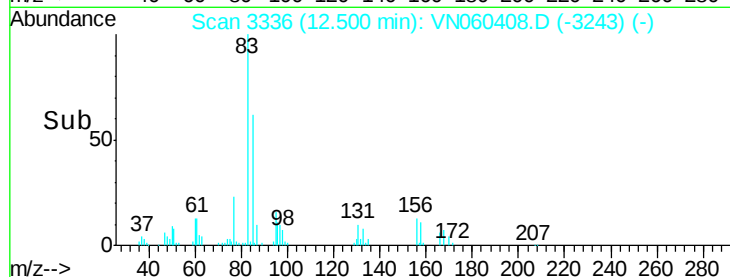
Abundance Ion 82.90 (82.60 to 83.60): VN060408.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060408.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060408.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.374 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060408.D

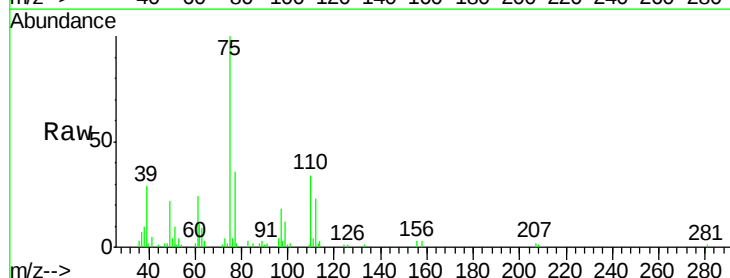
Acq: 10 Mar 2020 11:48

Tgt Ion: 75 Resp: 79580

Ion Ratio Lower Upper

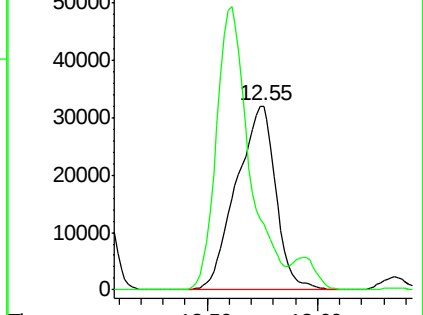
75 100

77 0.0 0.0 0.0

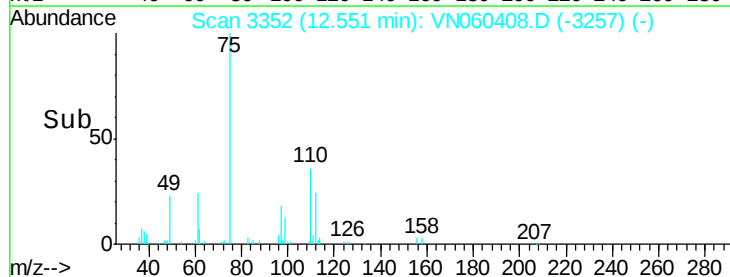


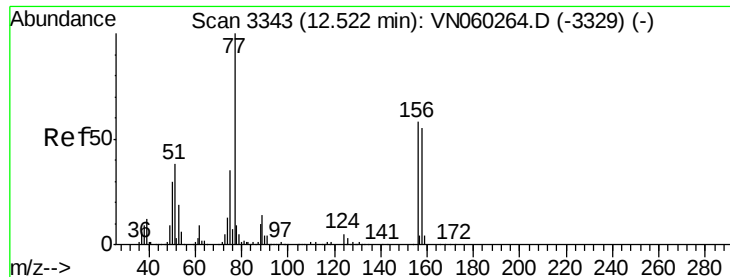
Abundance Ion 74.90 (74.60 to 75.60): VN060408.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN060408.D (-3351) (-)



Time-->





#77

Bromobenzene

Concen: 16.843 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

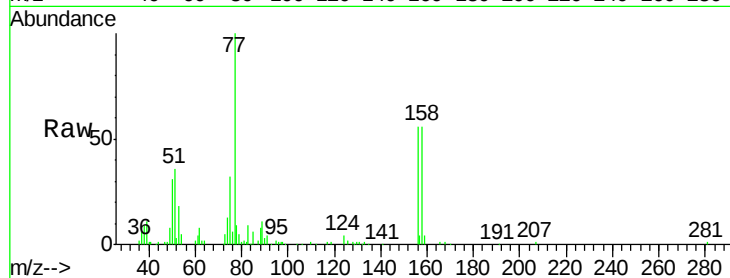
Tgt Ion:156 Resp: 47487

Ion Ratio Lower Upper

156 100

77 216.1 106.1 318.3

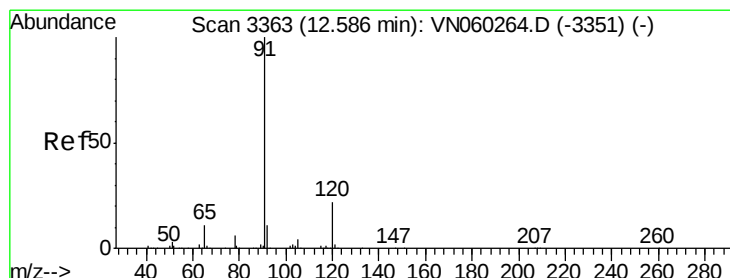
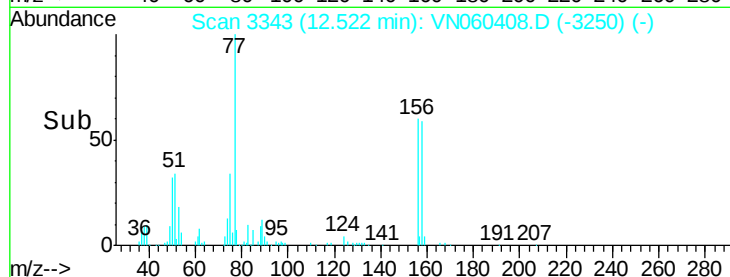
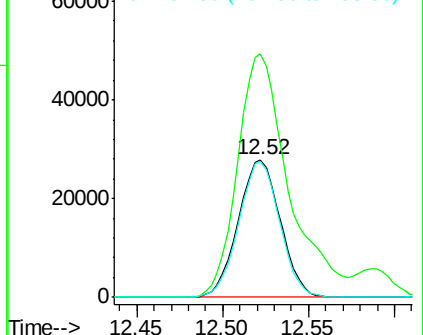
158 96.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 16.766 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060408.D

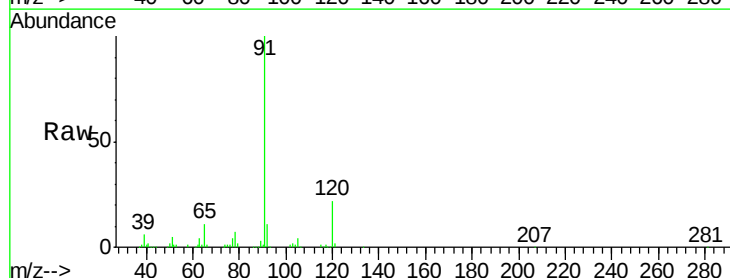
Acq: 10 Mar 2020 11:48

Tgt Ion: 91 Resp: 226045

Ion Ratio Lower Upper

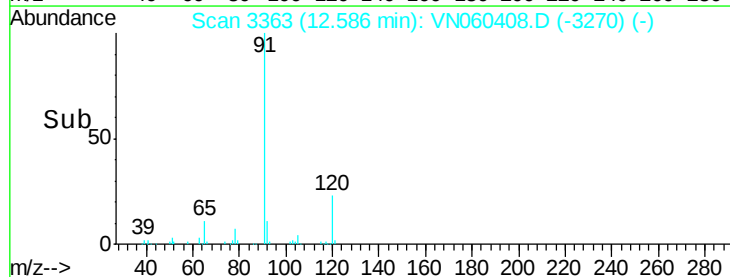
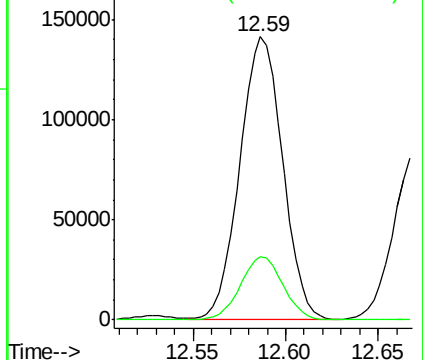
91 100

120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.187 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

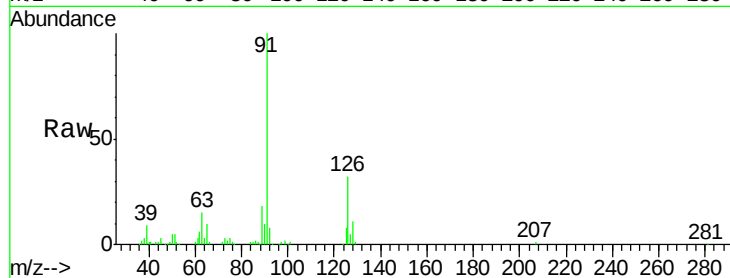
VN0310WBS01

Tgt Ion: 91 Resp: 136214

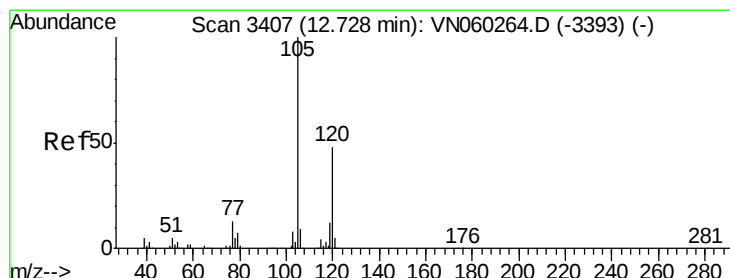
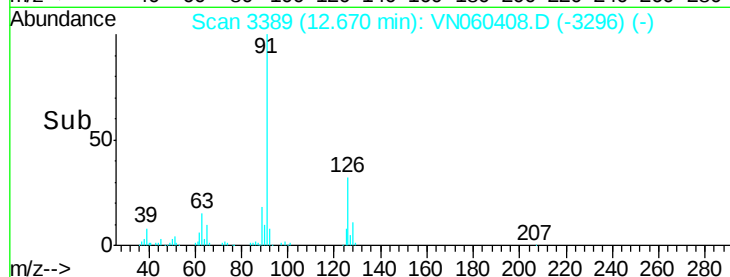
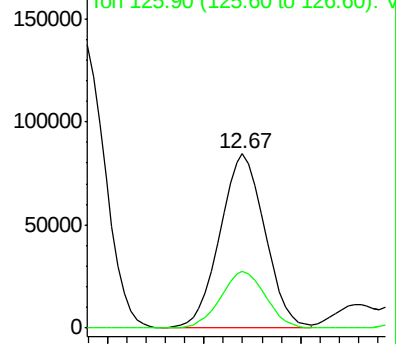
Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060408.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.163 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060408.D

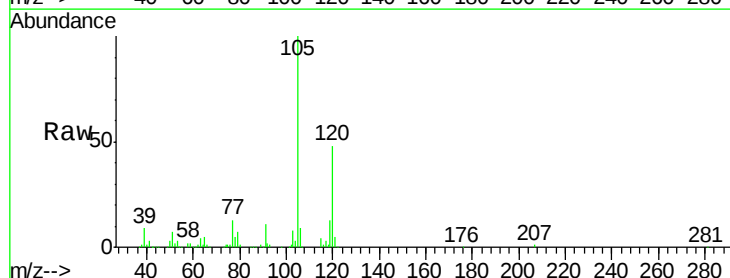
Acq: 10 Mar 2020 11:48

Tgt Ion: 105 Resp: 166211

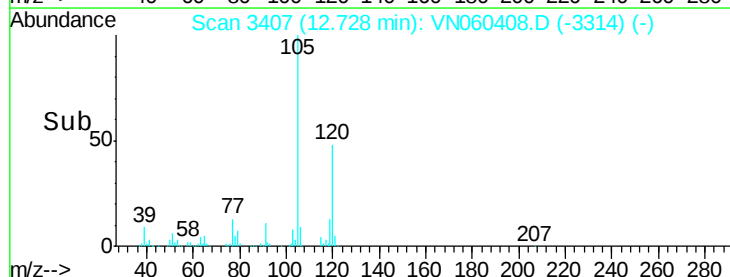
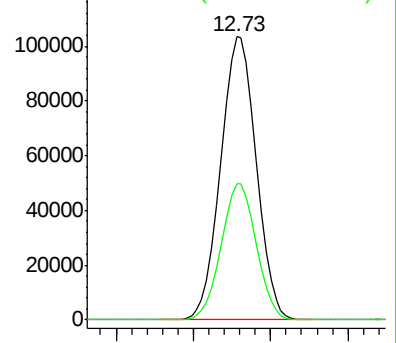
Ion Ratio Lower Upper

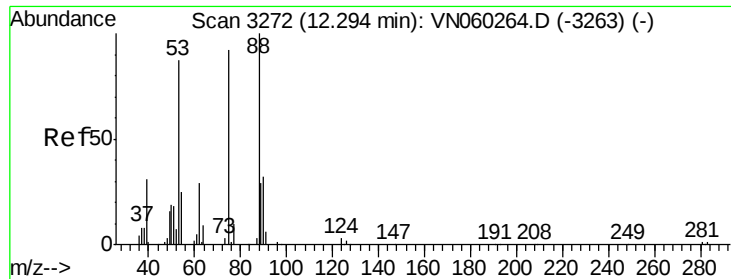
105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060408.D (-3393) (-)

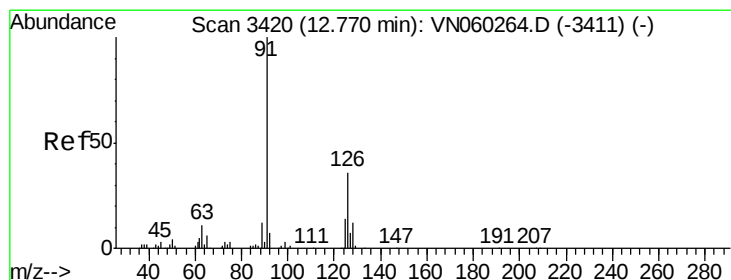
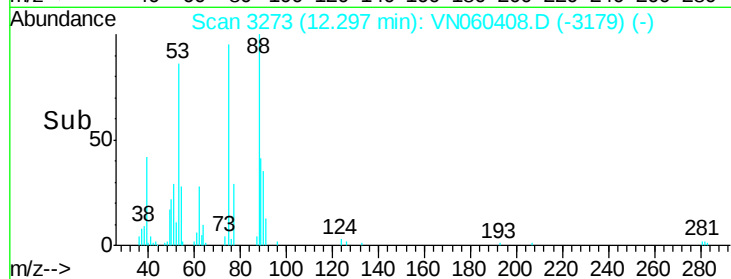
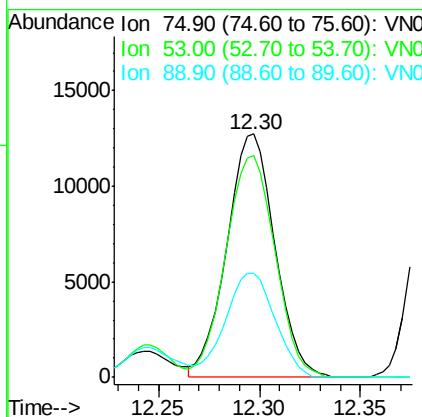
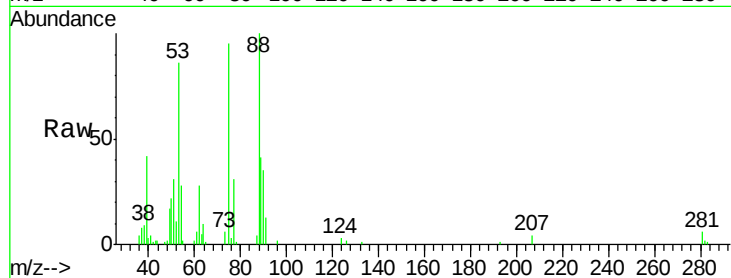




#81
trans-1,4-Dichloro-2-butene
Concen: 17.260 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

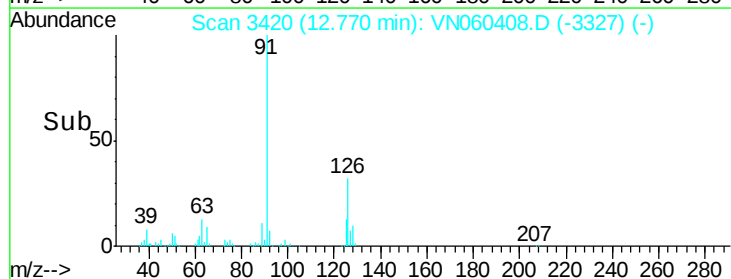
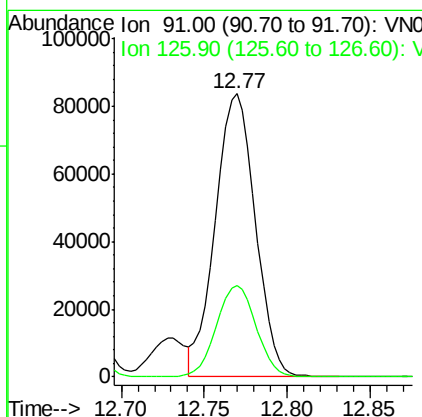
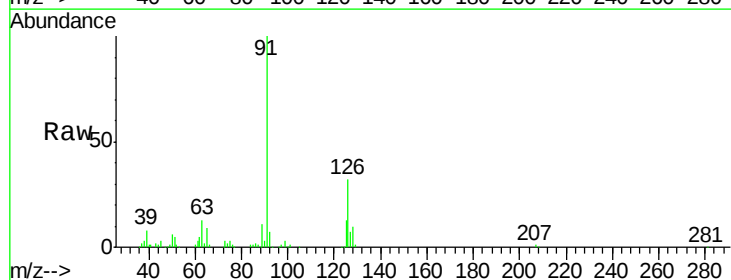
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

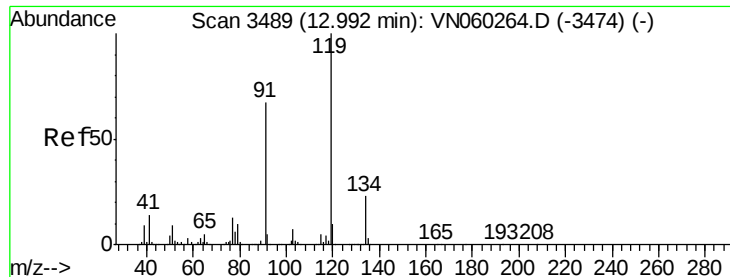
Tgt Ion: 75 Resp: 21288
Ion Ratio Lower Upper
75 100
53 93.2 73.8 110.6
89 44.6 57.1 85.7#



#82
4-Chlorotoluene
Concen: 16.842 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 91 Resp: 140627
Ion Ratio Lower Upper
91 100
126 31.9 16.7 50.1

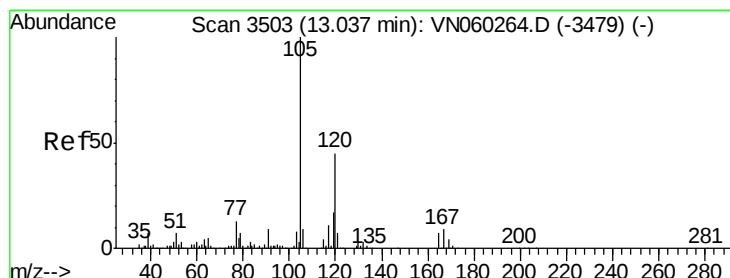
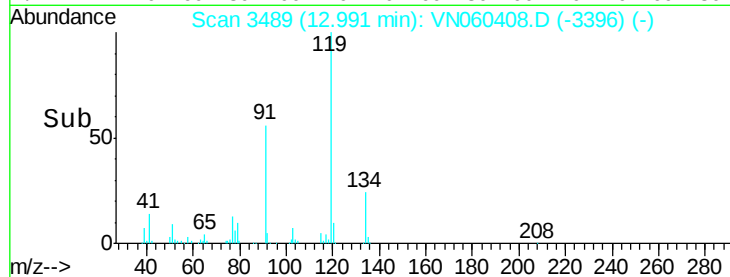
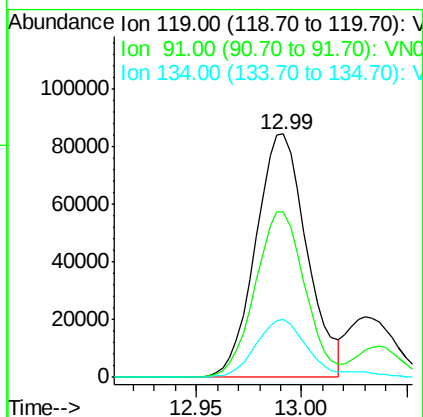
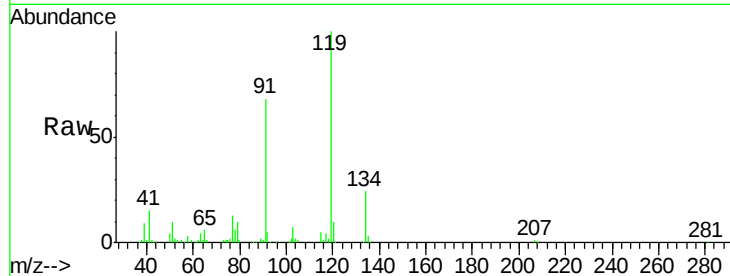




#83
 tert-Butylbenzene
 Concen: 16.987 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

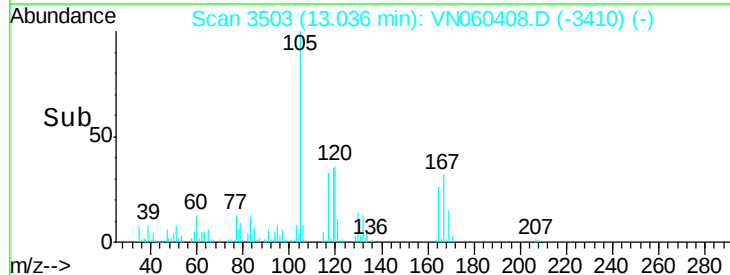
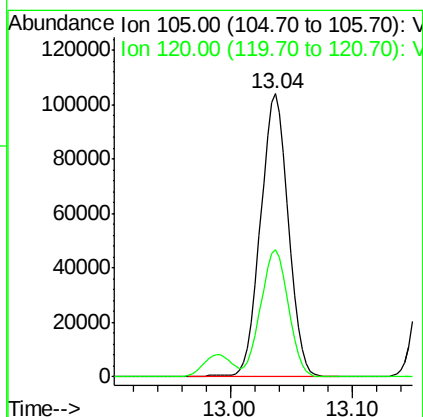
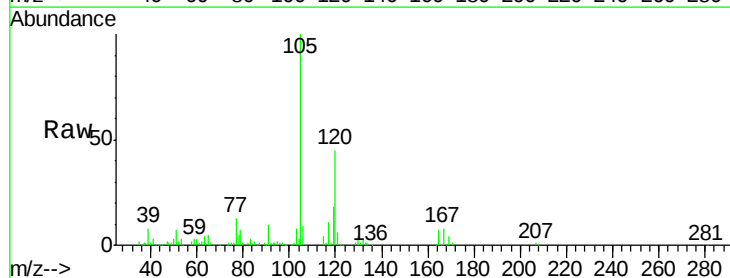
Instrument :
 MSVOA_N
 ClientSampled :
 VN0310WBS01

Tgt Ion:119 Resp: 142431
 Ion Ratio Lower Upper
 119 100
 91 66.1 33.1 99.2
 134 24.9 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 16.827 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion:105 Resp: 164478
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9

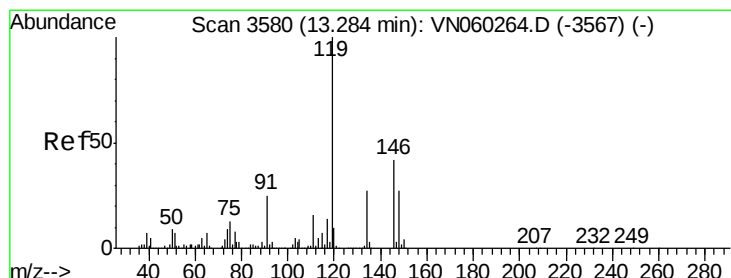
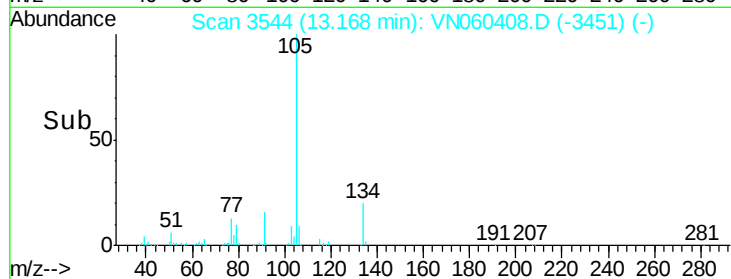
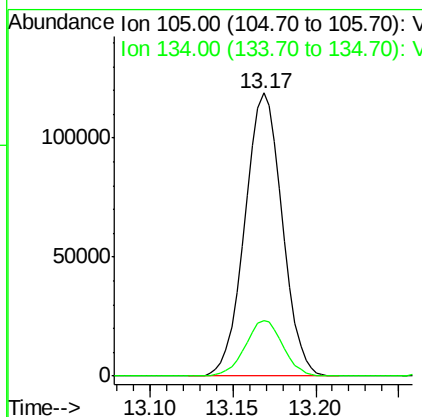
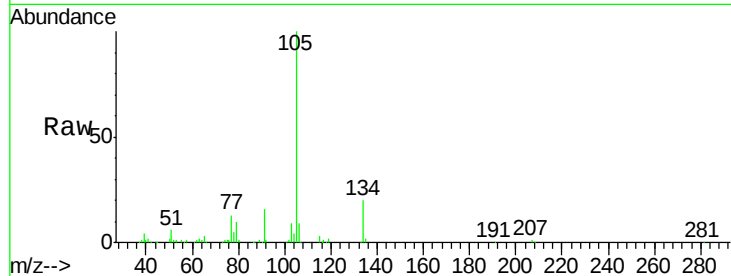




#85
 sec-Butylbenzene
 Concen: 16.640 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

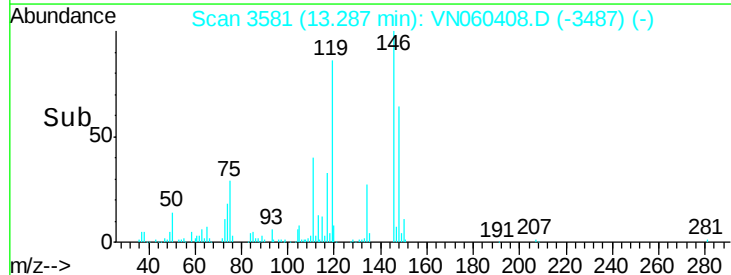
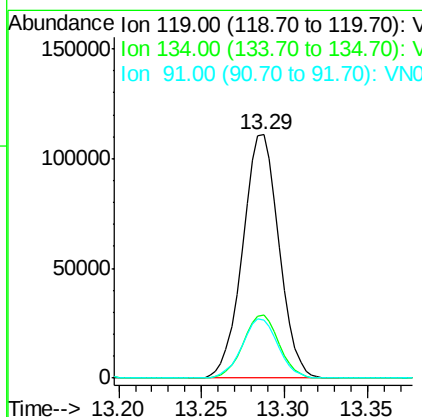
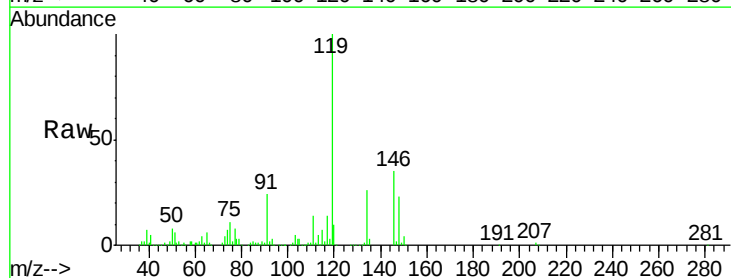
Instrument :
 MSVOA_N
 ClientSampled :
 VN0310WBS01

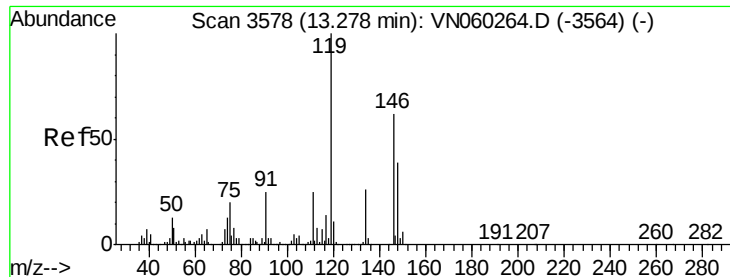
Tgt Ion:105 Resp: 186824
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.189 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion:119 Resp: 168235
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.4 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.204 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBS01

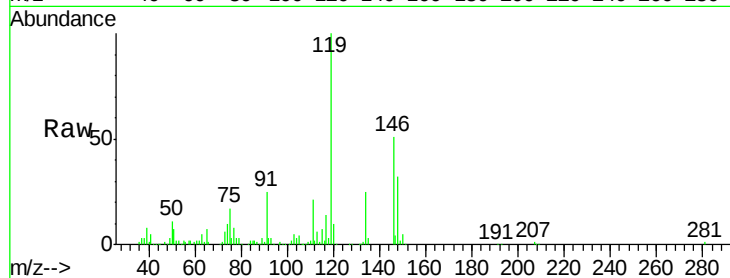
Tgt Ion:146 Resp: 83949

Ion Ratio Lower Upper

146 100

111 40.5 20.0 59.9

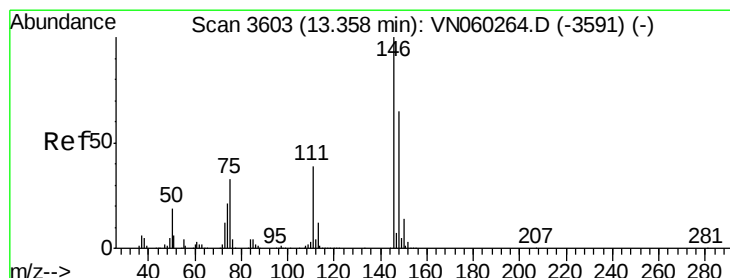
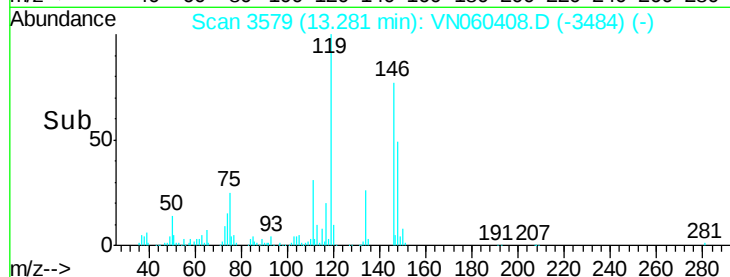
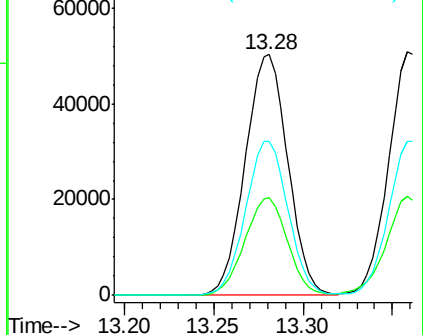
148 63.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.156 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060408.D

Acq: 10 Mar 2020 11:48

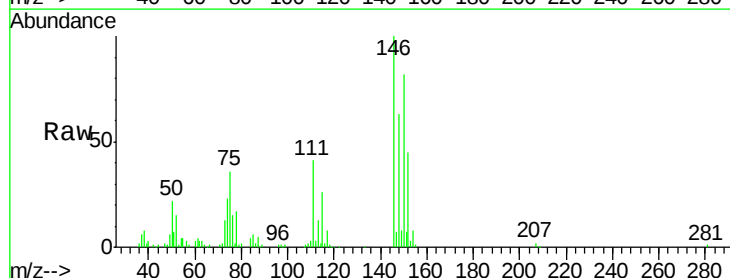
Tgt Ion:146 Resp: 83732

Ion Ratio Lower Upper

146 100

111 41.3 19.8 59.4

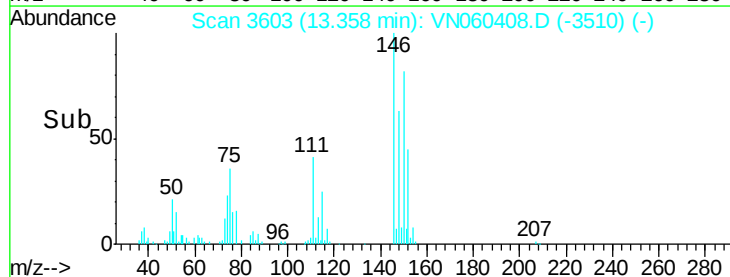
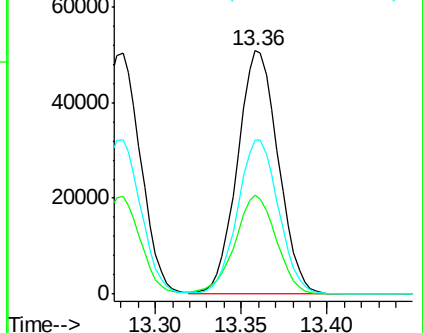
148 63.8 32.3 96.9

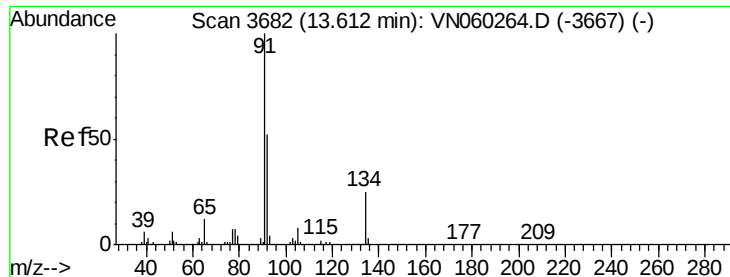


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

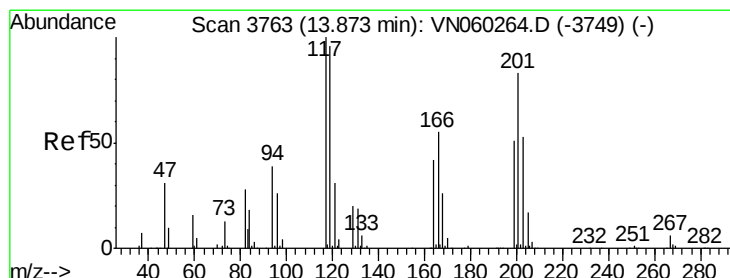
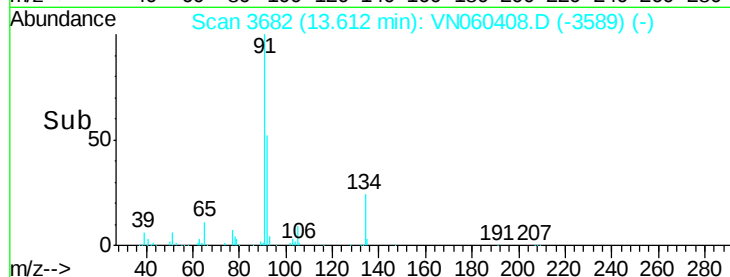
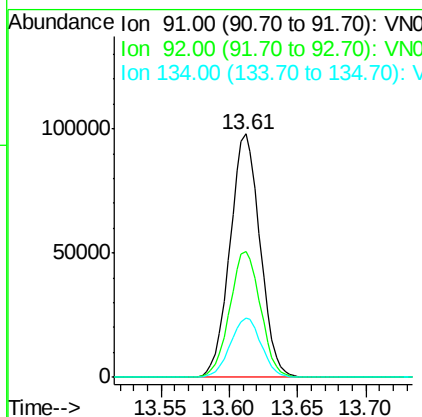
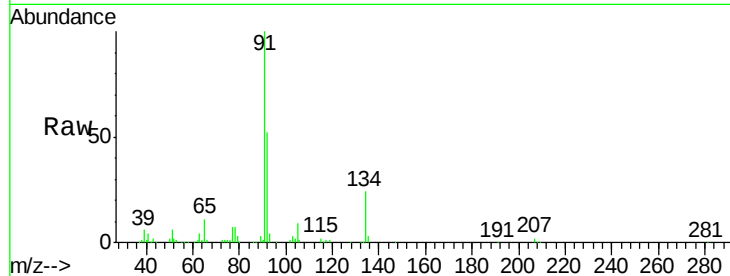




#89
n-Butylbenzene
Concen: 15.699 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

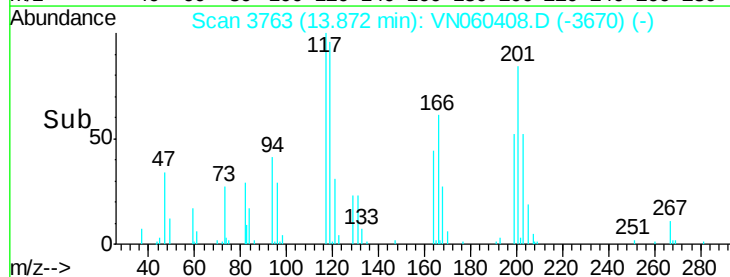
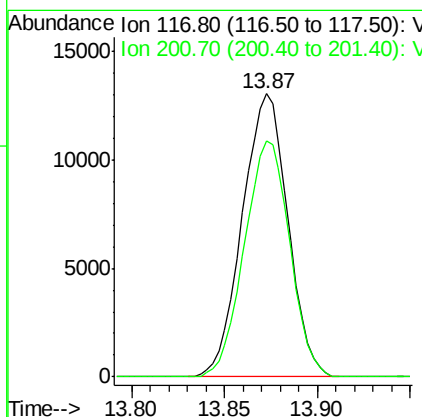
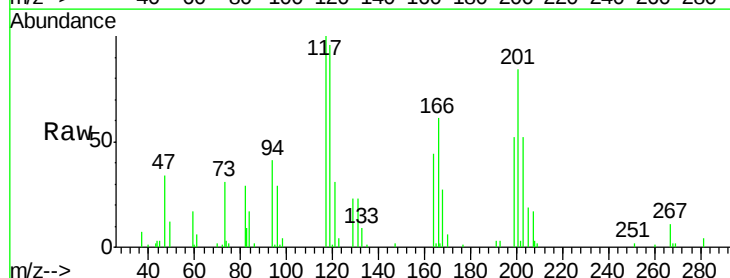
Instrument :
MSVOA_N
ClientSampled :
VN0310WBS01

Tgt Ion: 91 Resp: 149761
Ion Ratio Lower Upper
91 100
92 52.7 26.0 78.0
134 25.1 12.7 38.1



#90
Hexachloroethane
Concen: 14.799 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion: 117 Resp: 22260
Ion Ratio Lower Upper
117 100
201 83.1 41.0 123.0

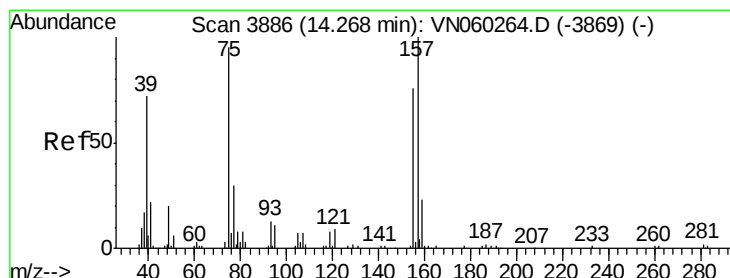
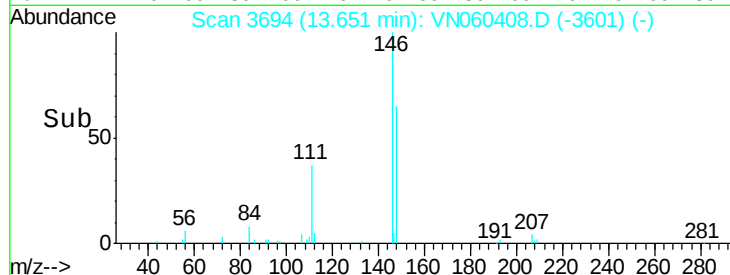
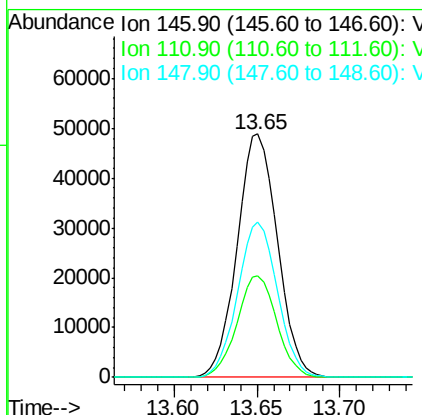
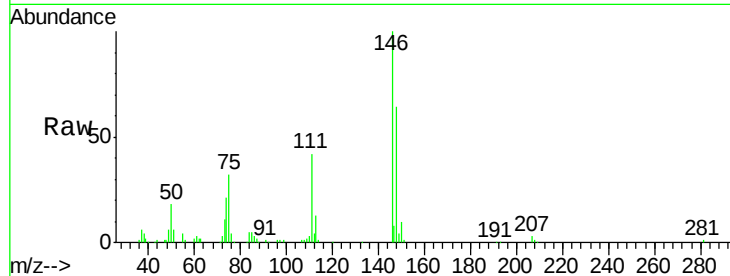




#91
 1,2-Dichlorobenzene
 Concen: 16.729 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

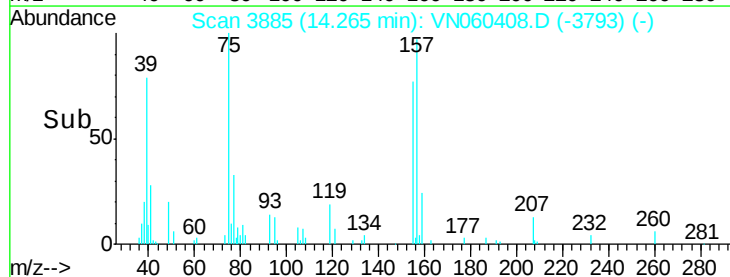
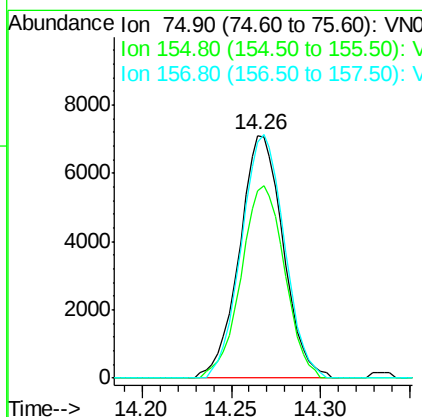
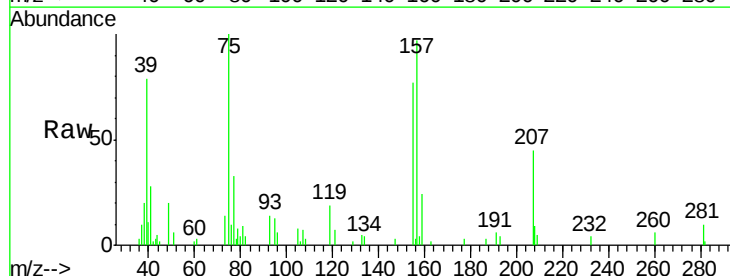
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	63.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.169 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.4	121.2
157	98.6	52.5	157.5

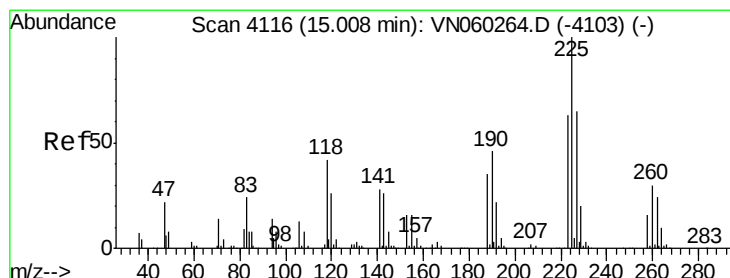
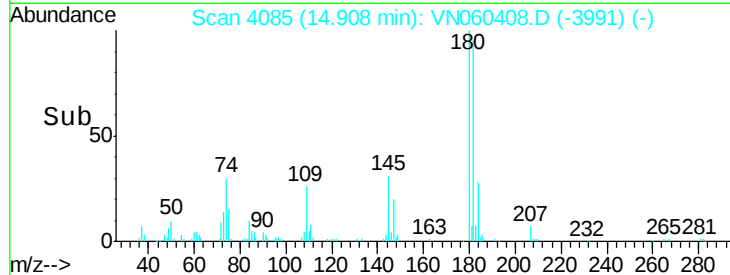
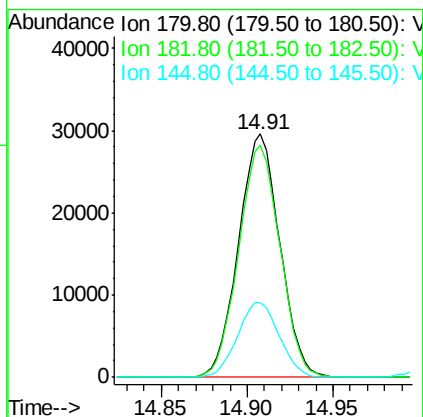
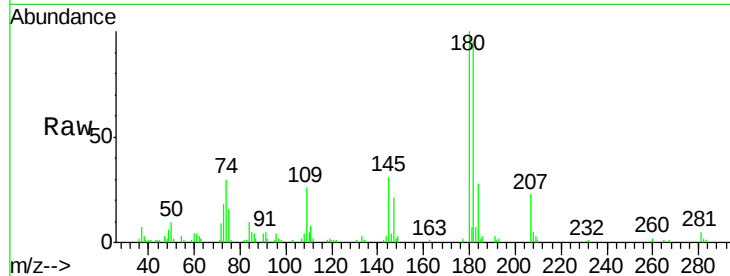




#93
 1,2,4-Trichlorobenzene
 Concen: 15.730 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

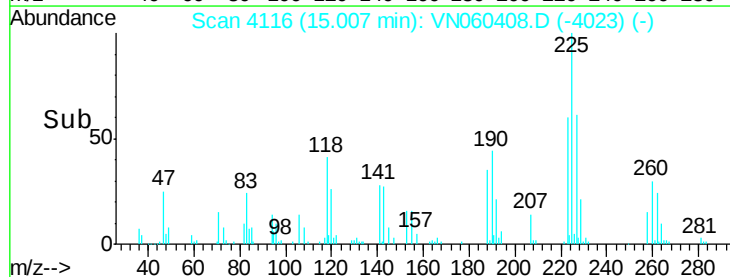
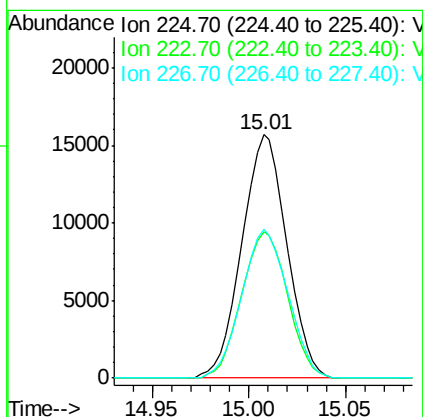
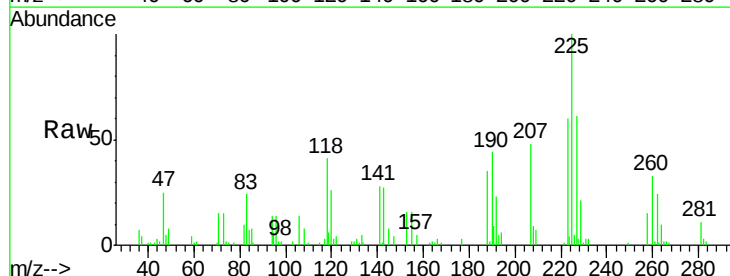
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBS01

Tgt Ion:180 Resp: 49187
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.3
 145 31.1 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 17.173 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060408.D
 Acq: 10 Mar 2020 11:48

Tgt Ion:225 Resp: 25322
 Ion Ratio Lower Upper
 225 100
 223 61.4 31.3 93.9
 227 62.8 32.3 96.9

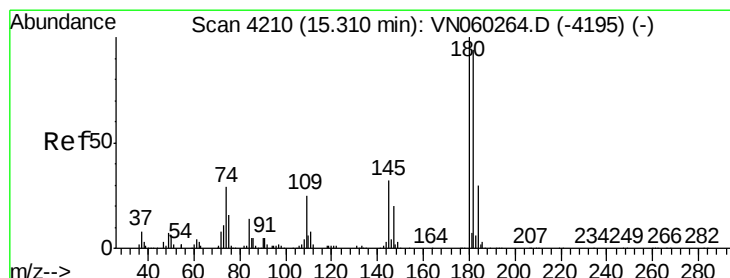
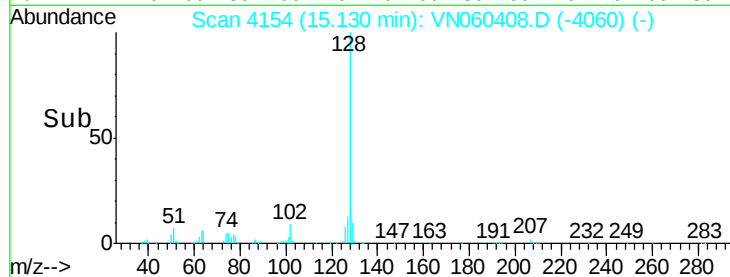
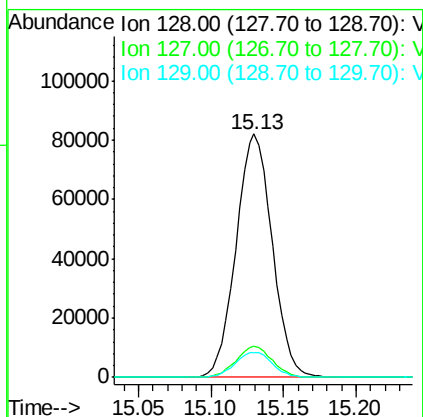
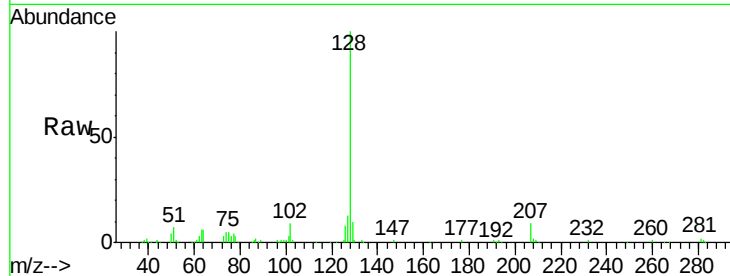




#95
Naphthalene
Concen: 15.185 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBS01

Tgt Ion:128 Resp: 142153
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 10.6 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 15.763 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060408.D
Acq: 10 Mar 2020 11:48

Tgt Ion:180 Resp: 46970
Ion Ratio Lower Upper
180 100
182 93.5 47.3 142.0
145 32.9 16.2 48.5

