

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121218\
 Data File : VN052819.D
 Acq On : 12 Dec 2018 11:36
 Operator : MD\SY
 Sample : VN1212WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

Quant Time: Dec 13 03:41:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	151265	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	878182	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	775863	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	304925	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	361122	30.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.47%
63) Toluene-d8	10.09	98	1053852	29.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	163217	18.946	ug/l 100
3) Chloromethane	2.06	50	208843	18.279	ug/l 100
4) Vinyl Chloride	2.19	62	216145	18.744	ug/l 97
5) Bromomethane	2.58	94	135618	20.626	ug/l 95
6) Chloroethane	2.71	64	132367	19.302	ug/l 97
7) Trichlorofluoromethane	3.03	101	286061	20.100	ug/l 99
8) Diethyl Ether	3.41	74	109666	20.869	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	185737	20.588	ug/l 97
10) 1,1-Dichloroethene	3.74	96	171739	20.246	ug/l 100
11) Methyl Iodide	3.96	142	222089	18.857	ug/l 100
12) Methyl Acetate	4.32	43	156212	21.674	ug/l 98
13) Acrolein	3.61	56	56857	67.157	ug/l 99
14) Acrylonitrile	4.99	53	325187	105.892	ug/l 96
15) Acetone	3.82	58	81493	102.468	ug/l 95
16) Carbon Disulfide	4.06	76	477537	17.781	ug/l 100
17) Allyl chloride	4.33	41	277157	18.735	ug/l 100
18) Methylene Chloride	4.55	84	199790	20.342	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	183660	20.119	ug/l 95
20) Diisopropyl ether	5.95	45	623557	20.058	ug/l 97
21) 1,1-Dichloroethane	5.85	63	356541	20.122	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	215440	20.592	ug/l 98
23) tert-Butyl Alcohol	4.78	59	58220	127.443	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	478646	21.509	ug/l 98
25) Chloroform	7.37	83	351292	20.551	ug/l 98
26) Cyclohexane	7.66	56	320557	19.182	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	271386	20.237	ug/l 98
30) 2-Butanone	6.83	43	385400	107.399	ug/l 99
31) 2,2-Dichloropropane	6.83	77	258945	20.974	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	294945	21.137	ug/l 98
33) Carbon Tetrachloride	7.77	117	253779	20.785	ug/l 99
34) Benzene	8.04	78	812364	20.148	ug/l 99
35) Methacrylonitrile	7.18	41	102241	22.964	ug/l 97
36) 1,2-Dichloroethane	8.13	62	245649	20.105	ug/l 99
37) Trichloroethene	8.84	130	220368	21.554	ug/l 97
38) Methylcyclohexane	9.08	83	327329	19.717	ug/l 98
39) 1,2-Dichloropropane	9.12	63	219492	20.308	ug/l 99
40) Dibromomethane	9.21	93	125219	21.440	ug/l 95

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Instrument :
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	261341	20.253	ug/l	99
42) Vinyl Acetate	5.90	43	1883067	96.985	ug/l	98
43) Ethyl Acetate	6.93	43	167358	21.933	ug/l #	68
44) Isopropyl Acetate	8.16	43	307260	22.960	ug/l	99
45) 1,4-Dioxane	9.20	88	36131	493.519	ug/l	94
46) Methyl methacrylate	9.20	41	149489	21.514	ug/l	98
47) n-amyl Acetate	12.07	43	247721	22.326	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	257742	20.600	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	308481	20.236	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	177430	21.431	ug/l	99
51) Ethyl methacrylate	10.43	69	227448	21.874	ug/l	95
52) 1,3-Dichloropropane	10.71	76	310612	21.078	ug/l	98
53) Dibromochloromethane	10.90	129	195603	21.460	ug/l	99
54) 1,2-Dibromoethane	11.01	107	176452	21.811	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	653813	107.420	ug/l	99
56) Bromoform	12.13	173	129577	21.749	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	837097	111.290	ug/l	99
59) 2-Hexanone	10.75	43	578103	112.510	ug/l	99
61) Tetrachloroethene	10.63	164	229186	23.984	ug/l	96
62) Toluene	10.16	91	880314	20.582	ug/l	100
64) Chlorobenzene	11.43	112	542181	20.768	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	196006	21.630	ug/l	98
66) Ethyl Benzene	11.51	91	943394	20.465	ug/l	98
67) m/p-Xylenes	11.62	106	714764	41.619	ug/l	99
68) o-Xylene	11.95	106	347458	20.845	ug/l	99
69) Styrene	11.96	104	558607	20.762	ug/l	100
70) Isopropylbenzene	12.25	105	936597	21.118	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	203845	21.129	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	260487	31.453	ug/l	46
73) Bromobenzene	12.53	156	235370	21.943	ug/l	94
74) n-propylbenzene	12.59	91	1069527	20.697	ug/l	99
75) 2-Chlorotoluene	12.68	91	633850	21.132	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	759562	21.204	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	54488	20.827	ug/l	100
78) 4-Chlorotoluene	12.77	91	634802	21.193	ug/l	100
79) tert-butylbenzene	12.99	119	673328	21.583	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	764232	21.321	ug/l	100
81) sec-Butylbenzene	13.17	105	918960	21.148	ug/l	99
82) p-Isopropyltoluene	13.29	119	784373	21.198	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	415415	22.020	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	404649	22.201	ug/l	99
85) n-Butylbenzene	13.62	91	645713	20.316	ug/l	99
86) Hexachloroethane	13.88	117	129937	20.726	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	397842	22.161	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31302	23.163	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	213587	24.148	ug/l	99
90) Hexachlorobutadiene	15.01	225	134449	23.172	ug/l	98
91) Naphthalene	15.13	128	431120	24.137	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	197683	24.253	ug/l	98

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ClientSampleId :
VN1212WBS01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

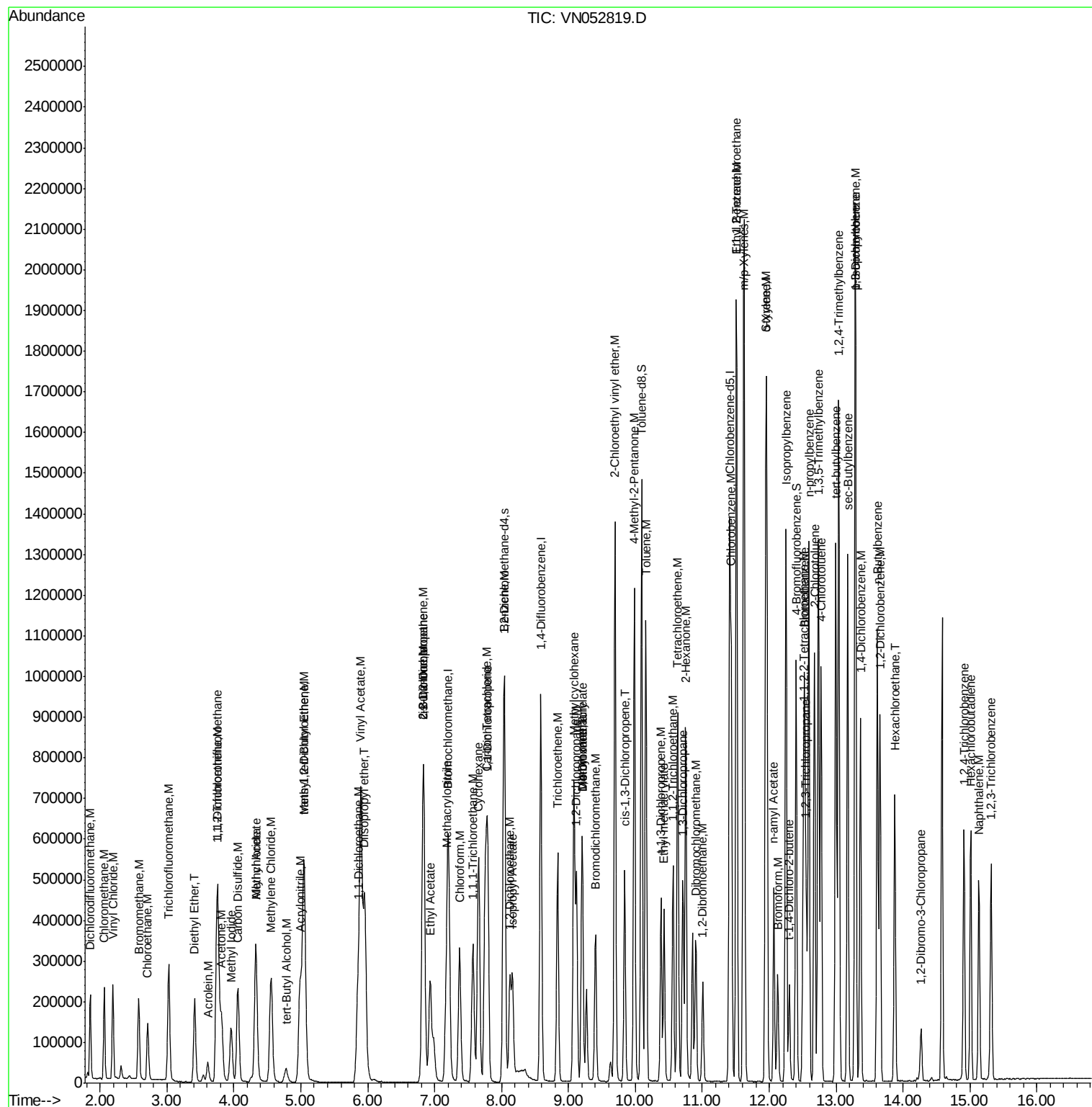
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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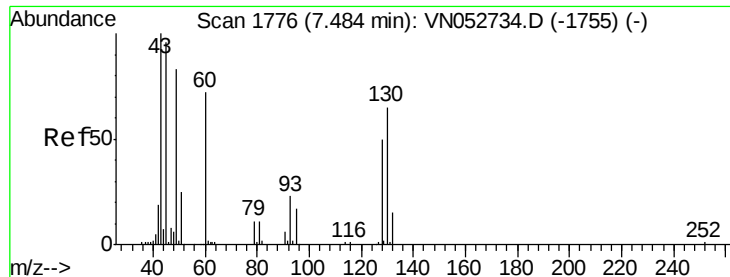
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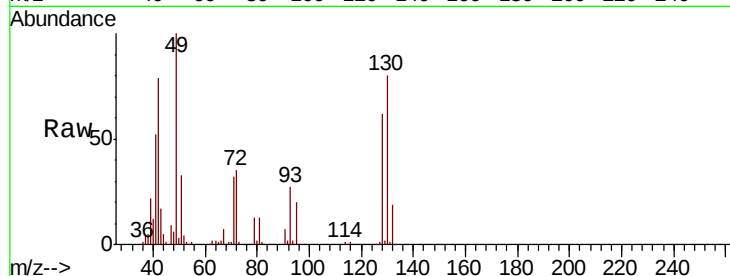




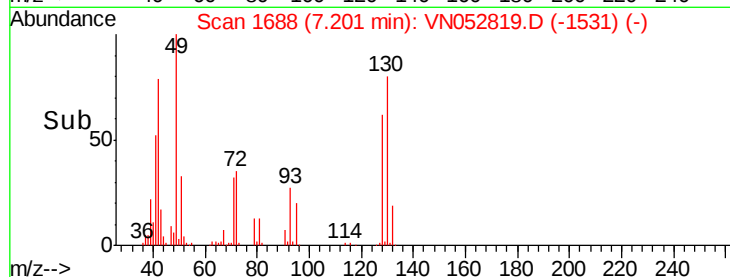
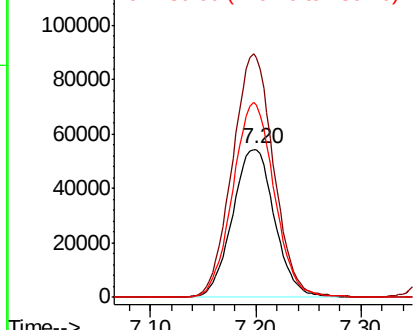
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tot Ion:128 Resp: 151265
Ion Ratio Lower Upper
128 100
49 161.8 0.0 431.8
130 130.2 0.0 317.0

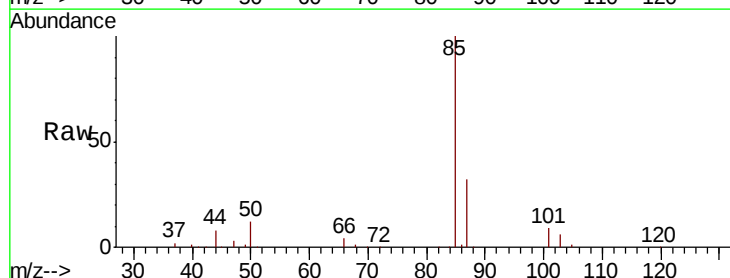
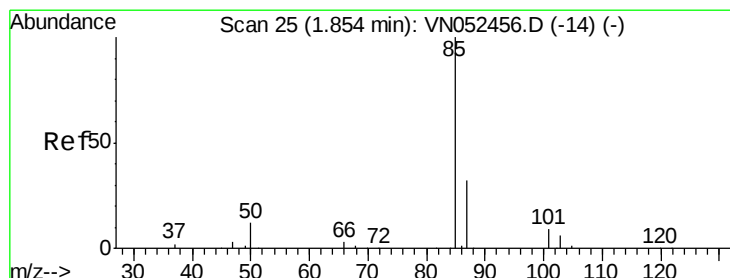


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

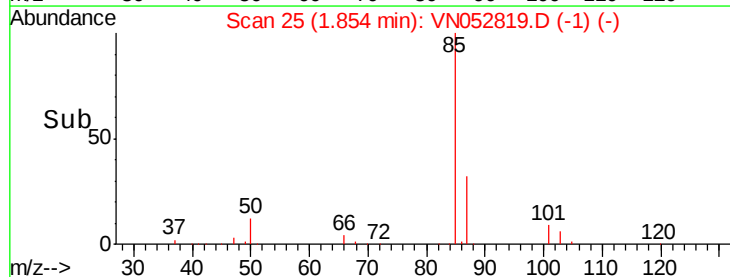
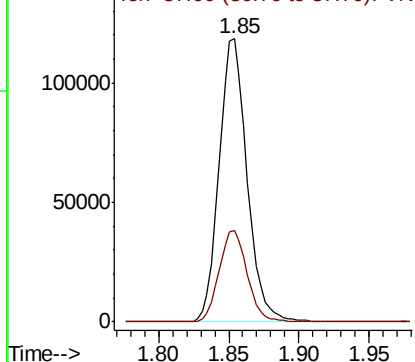


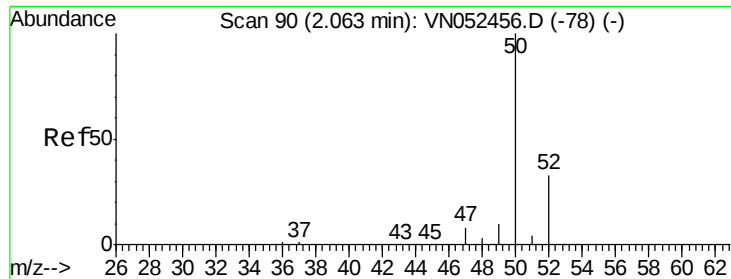
#2
Dichlorodifluoromethane
Concen: 18.946 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 85 Resp: 163217
Ion Ratio Lower Upper
85 100
87 32.4 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.279 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

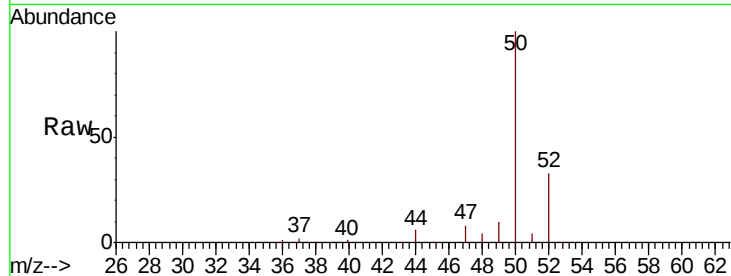
VN1212WBS01

Tot Ion: 50 Resp: 208843

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

150000

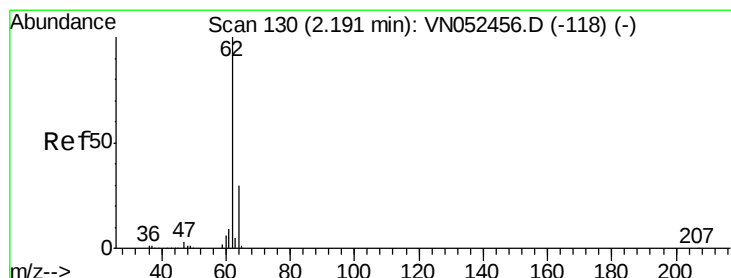
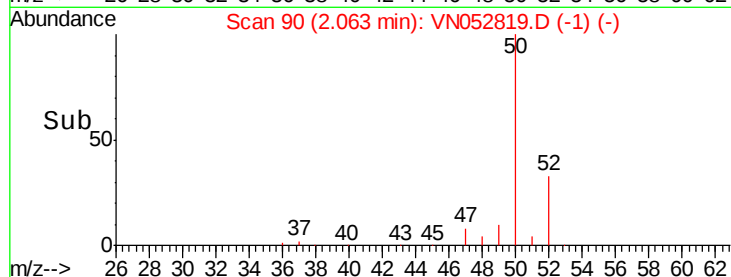
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50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 18.744 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052819.D

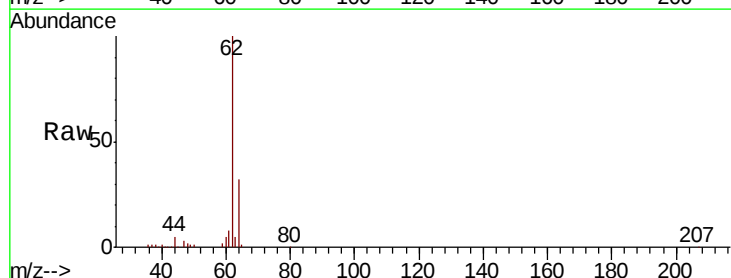
Acq: 12 Dec 2018 11:36

Tgt Ion: 62 Resp: 216145

Ion Ratio Lower Upper

62 100

64 32.0 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO

150000

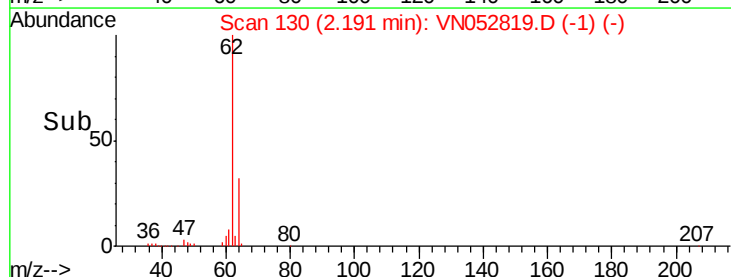
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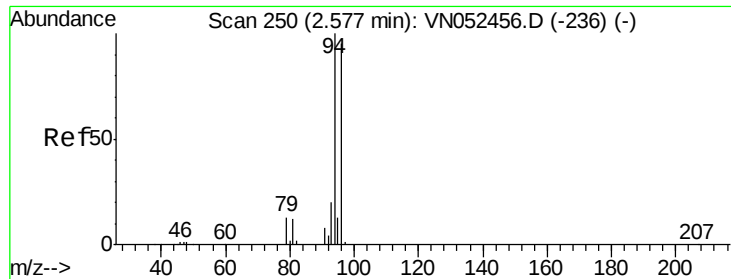
50000

0

2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 20.626 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

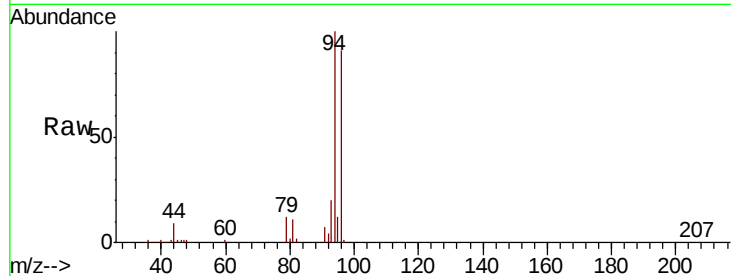
VN1212WBS01

Tot Ion: 94 Resp: 135618

Ion Ratio Lower Upper

94 100

96 90.6 76.2 114.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.58

80000

60000

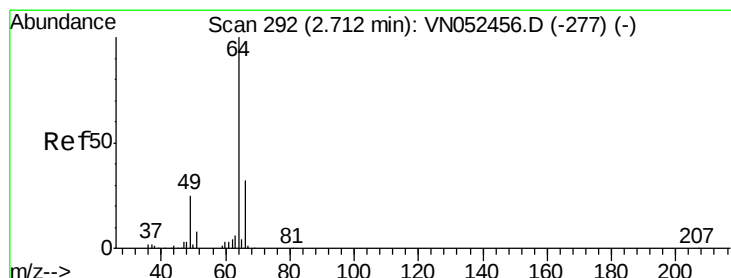
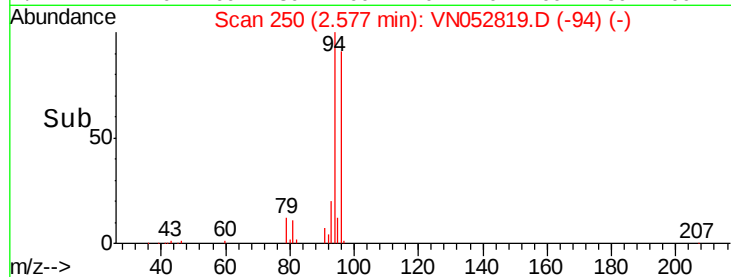
40000

20000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.302 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052819.D

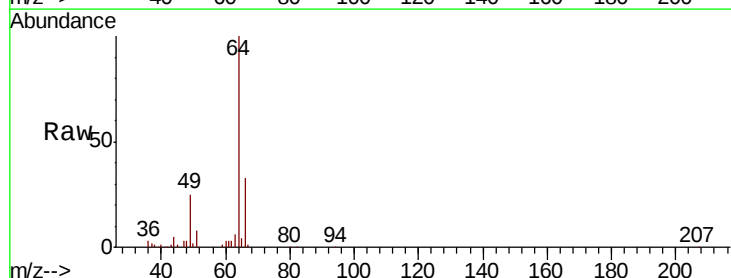
Acq: 12 Dec 2018 11:36

Tgt Ion: 64 Resp: 132367

Ion Ratio Lower Upper

64 100

66 33.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

80000

60000

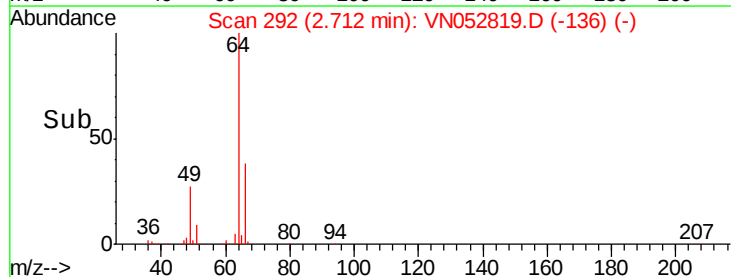
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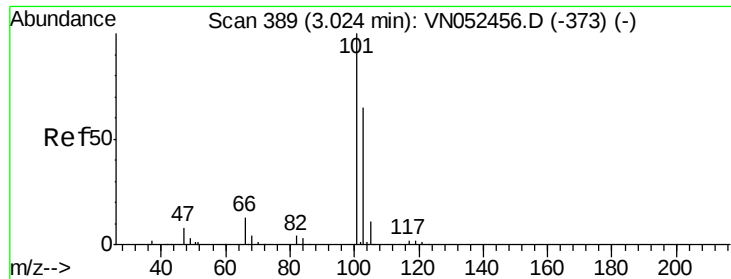
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Time-->

2.65 2.70 2.75 2.80



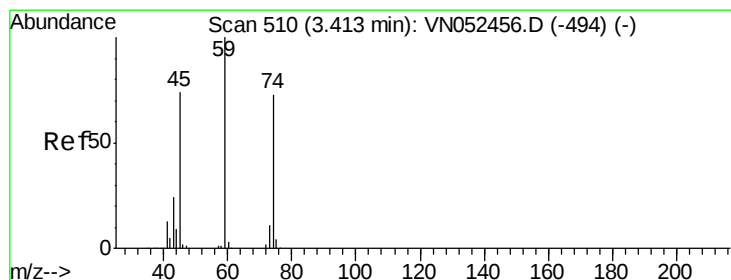
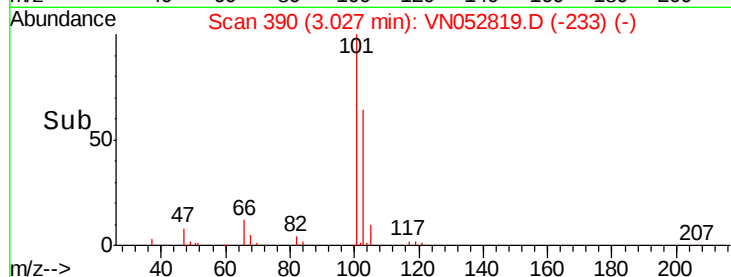
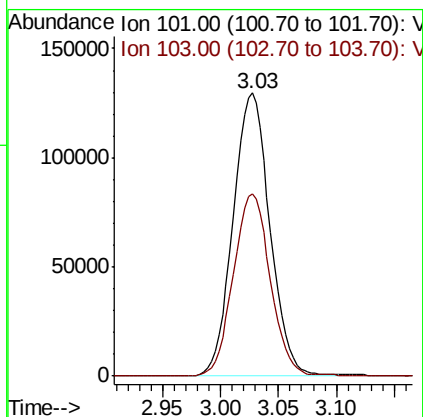
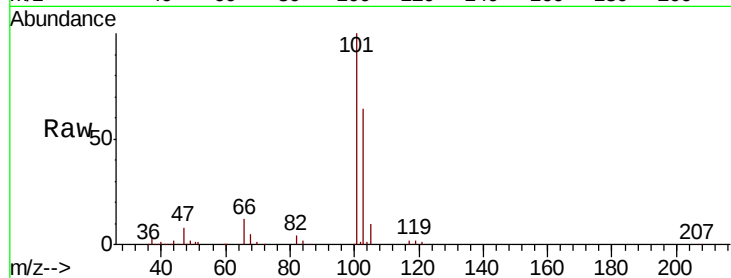


#7

Trichlorofluoromethane
 Concen: 20.100 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Instrument :
 MSVOA_N
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 VN1212WBS01

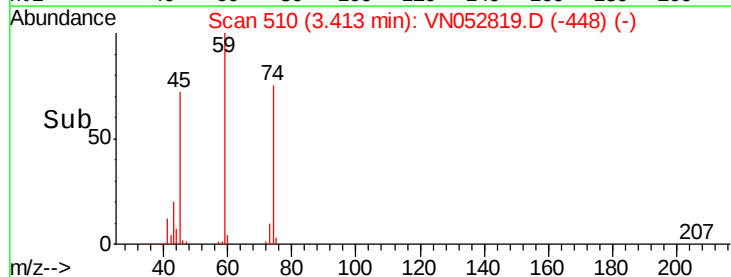
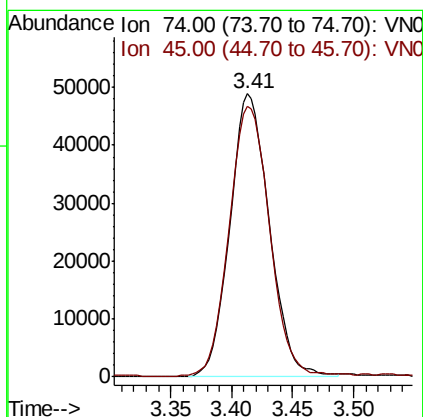
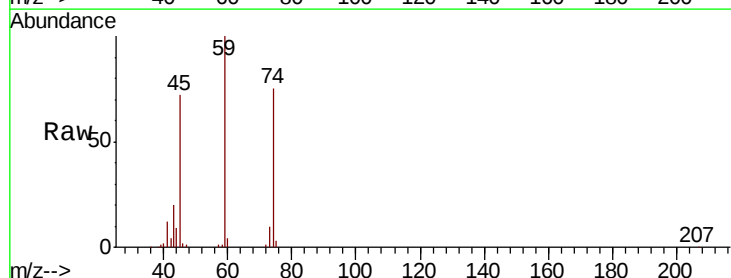
Tot Ion:101 Resp: 286061
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.1 78.1

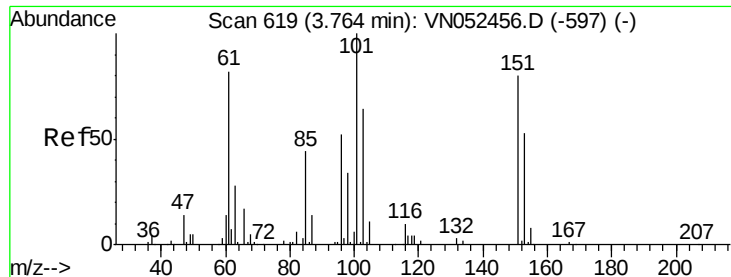


#8

Diethyl Ether
 Concen: 20.869 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 74 Resp: 109666
 Ion Ratio Lower Upper
 74 100
 45 97.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.588 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

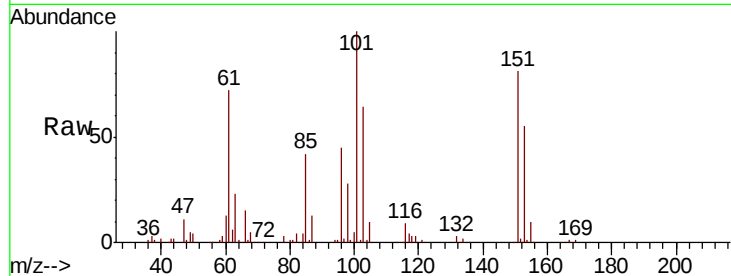
Tot Ion:101 Resp: 185737

Ion Ratio Lower Upper

101 100

85 42.6 0.0 82.6

151 82.3 0.0 158.4

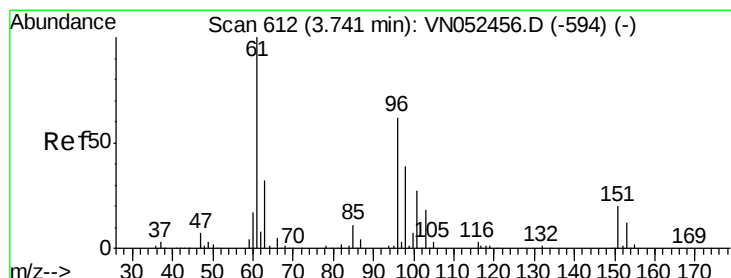
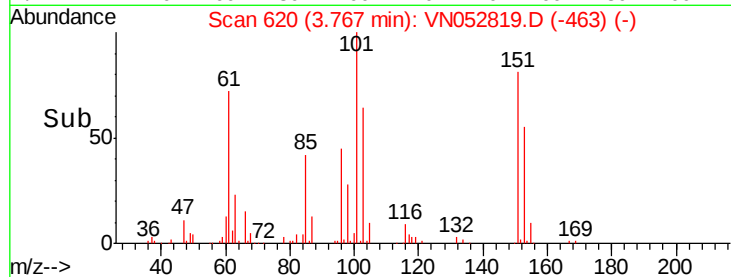
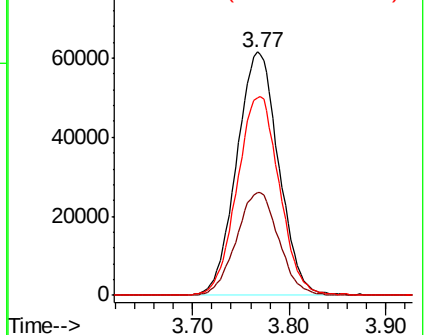


Abundance

Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.246 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

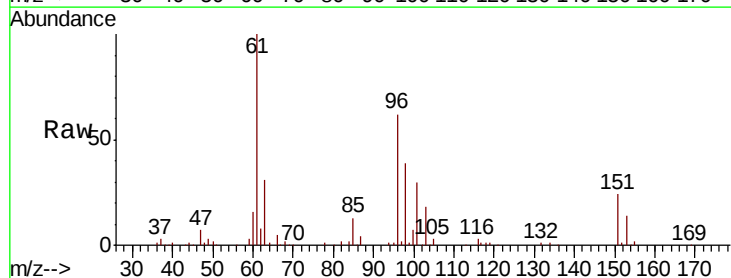
Tgt Ion: 96 Resp: 171739

Ion Ratio Lower Upper

96 100

61 161.9 129.4 194.2

98 63.6 50.4 75.6

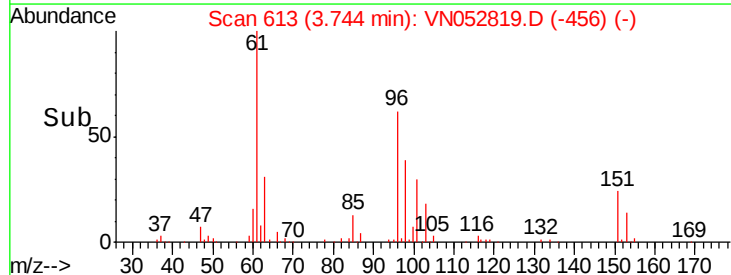
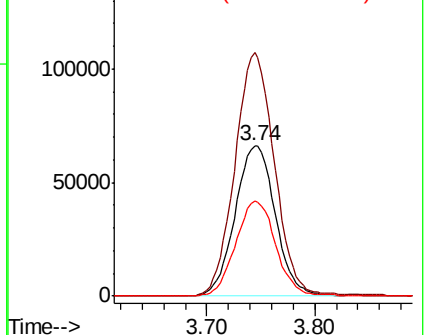


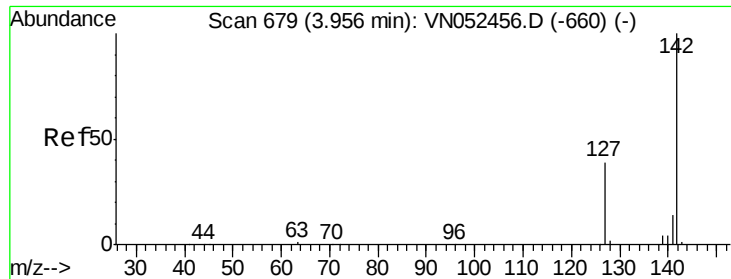
Abundance

Ion 96.00 (95.70 to 96.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 98.00 (97.70 to 98.70): V

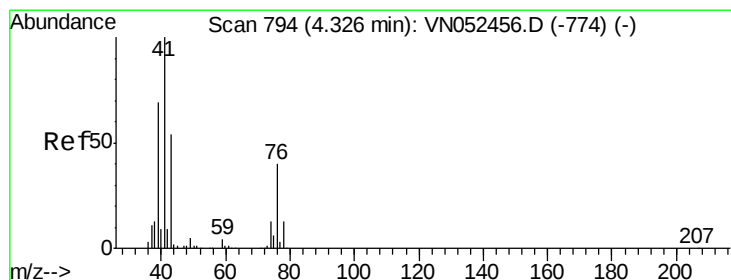
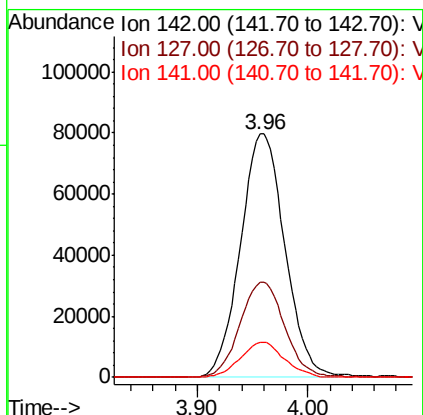
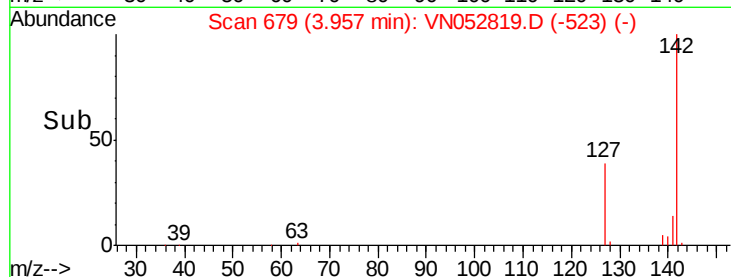
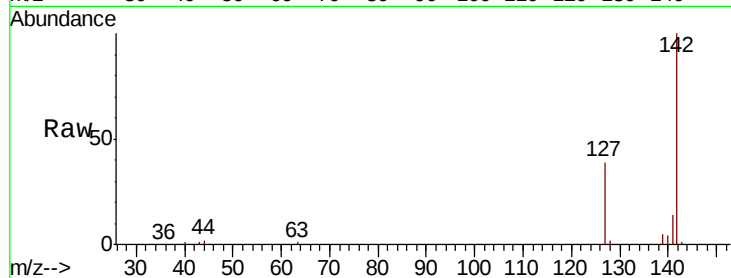




#11
Methvl Iodide
Concen: 18.857 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

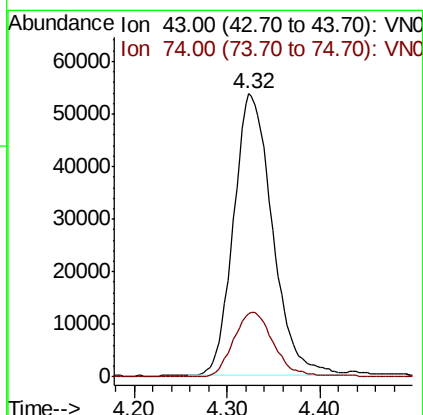
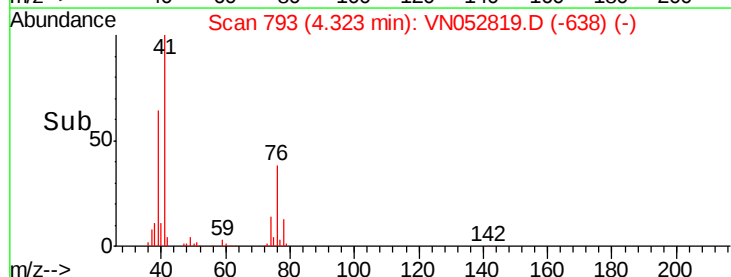
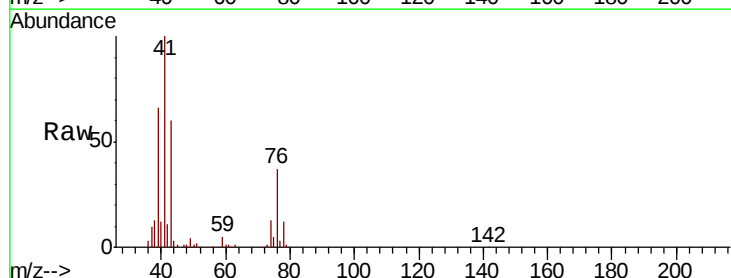
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

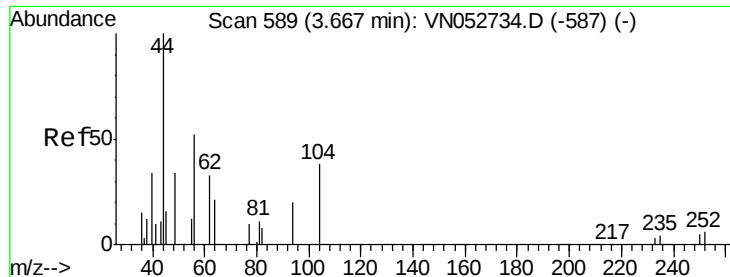
Tot Ion:142 Resp: 222089
Ion Ratio Lower Upper
142 100
127 39.0 19.4 58.1
141 14.4 7.2 21.6



#12
Methyl Acetate
Concen: 21.674 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 43 Resp: 156212
Ion Ratio Lower Upper
43 100
74 22.4 18.9 28.3





#13

Acrolein

Concen: 67.157 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

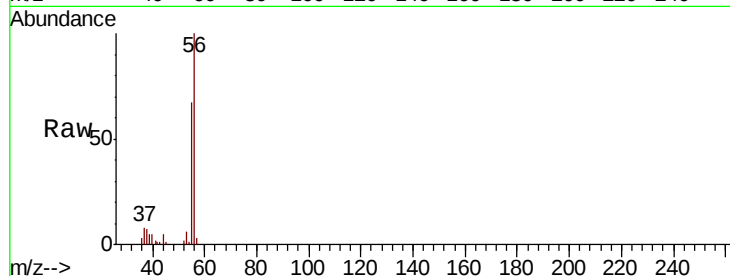
VN1212WBS01

Tot Ion: 56 Resp: 56857

Ion Ratio Lower Upper

56 100

55 69.9 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

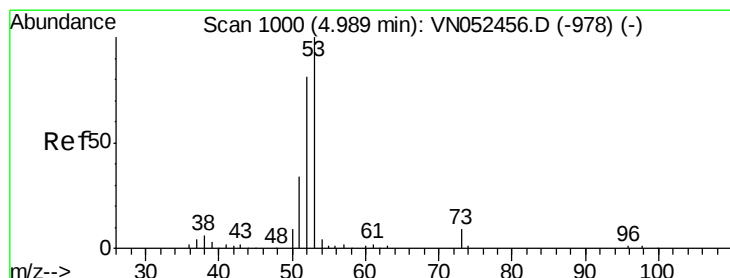
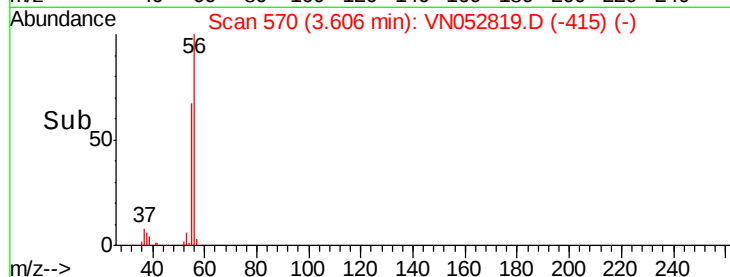
5000

0

3.61

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Acrylonitrile

Concen: 105.892 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

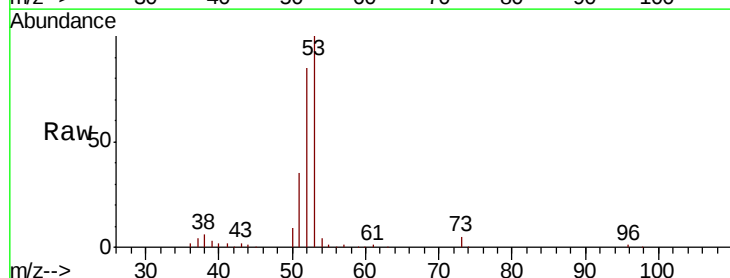
Tgt Ion: 53 Resp: 325187

Ion Ratio Lower Upper

53 100

52 84.2 39.9 119.7

51 36.3 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

120000

100000

80000

60000

40000

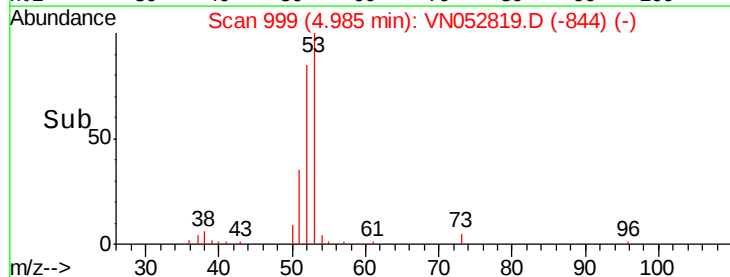
20000

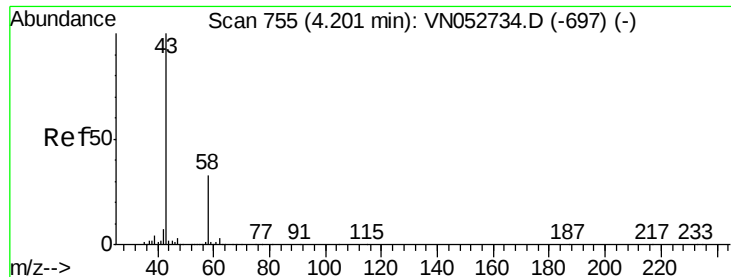
0

4.99

4.90 5.00 5.10

Time-->





#15

Acetone

Concen: 102.468 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

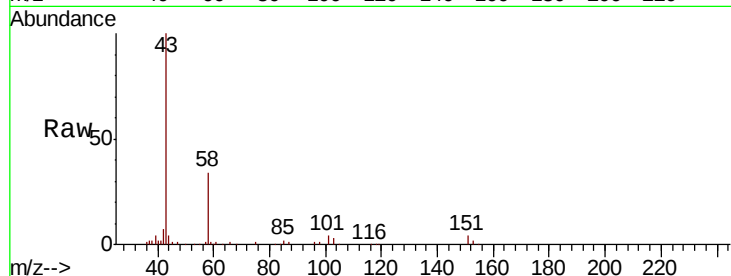
VN1212WBS01

Tot Ion: 58 Resp: 81493

Ion Ratio Lower Upper

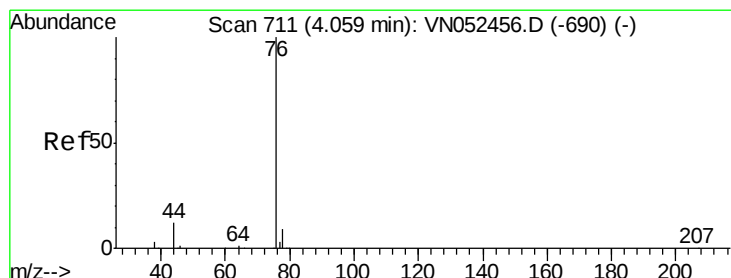
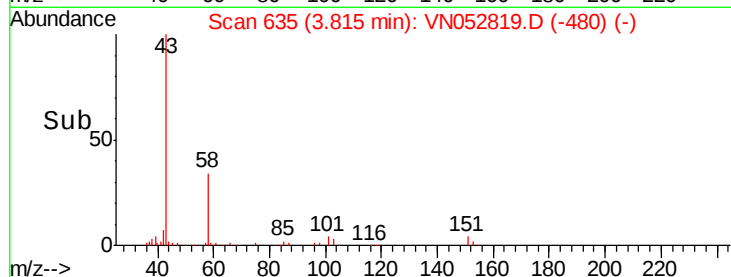
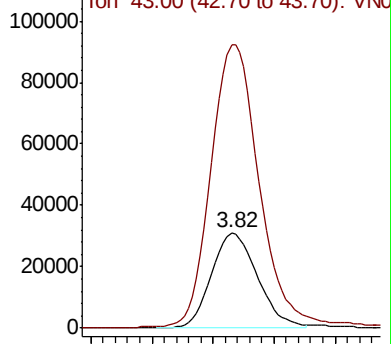
58 100

43 294.5 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN052819.D (-697) (-)

Ion 43.00 (42.70 to 43.70): VN052819.D (-697) (-)



#16

Carbon Disulfide

Concen: 17.781 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052819.D

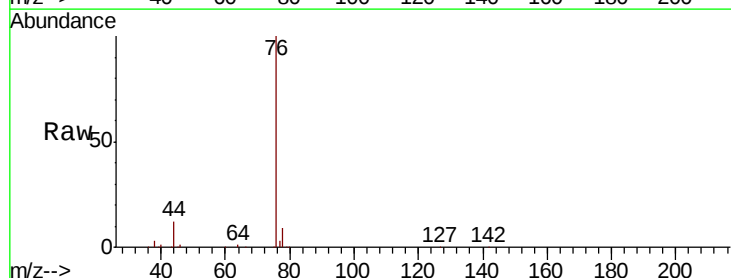
Acq: 12 Dec 2018 11:36

Tgt Ion: 76 Resp: 477537

Ion Ratio Lower Upper

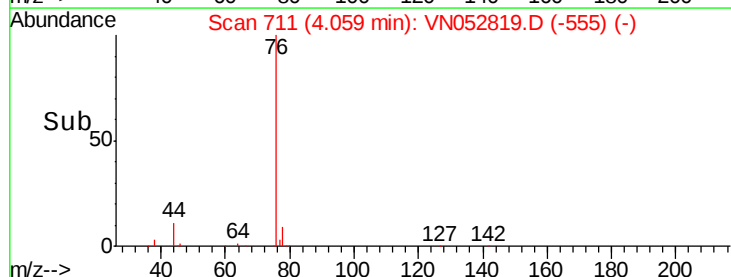
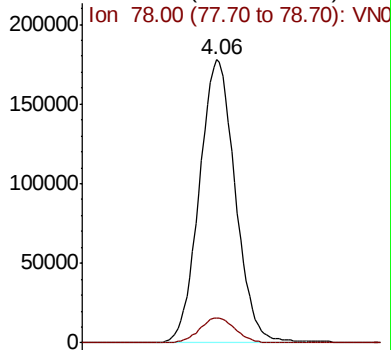
76 100

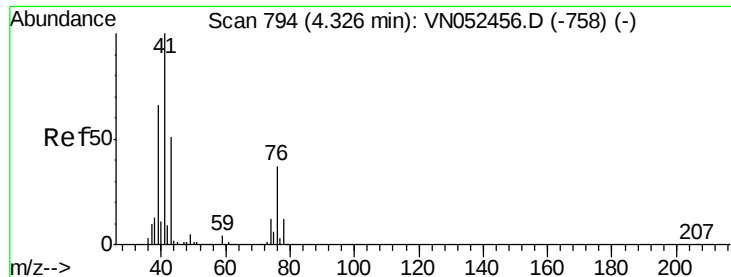
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN052819.D (-555) (-)

Ion 78.00 (77.70 to 78.70): VN052819.D (-555) (-)

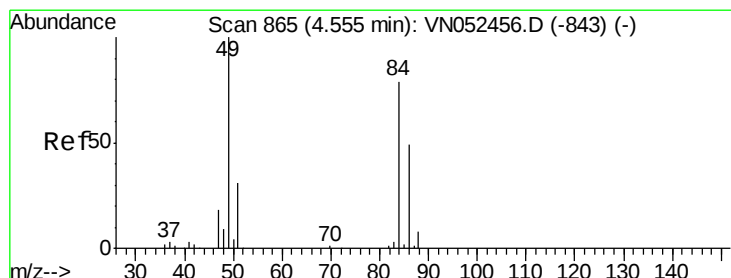
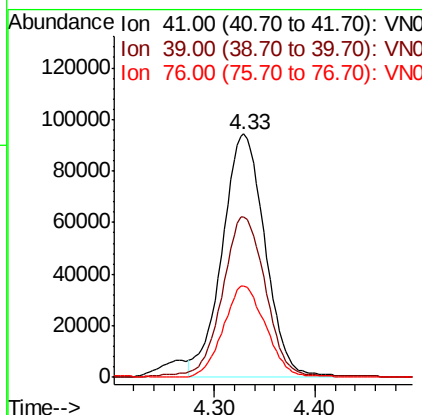
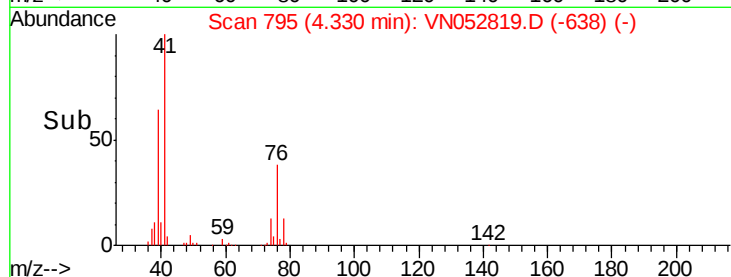
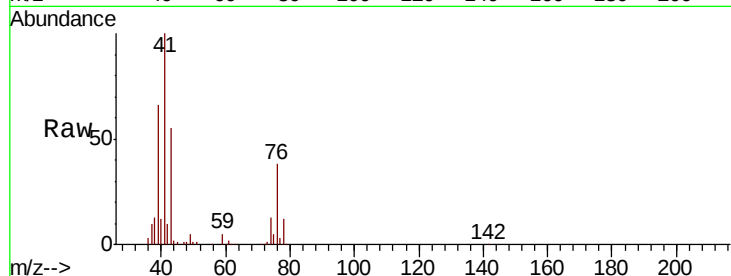




#17
Allvl chloride
Concen: 18.735 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

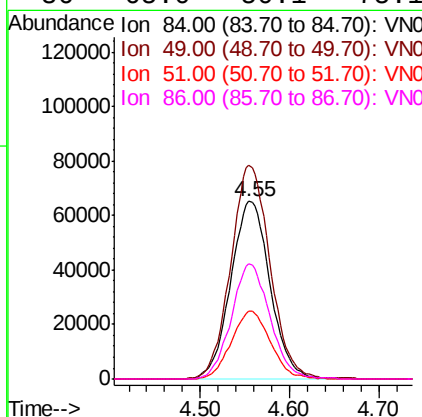
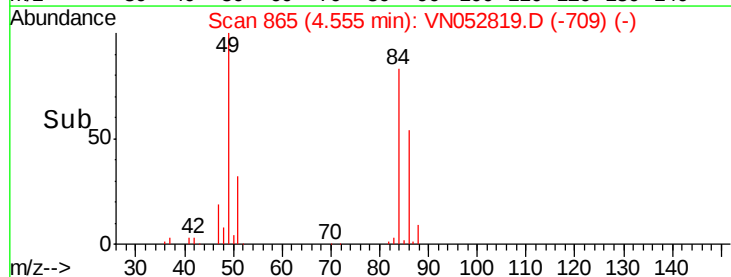
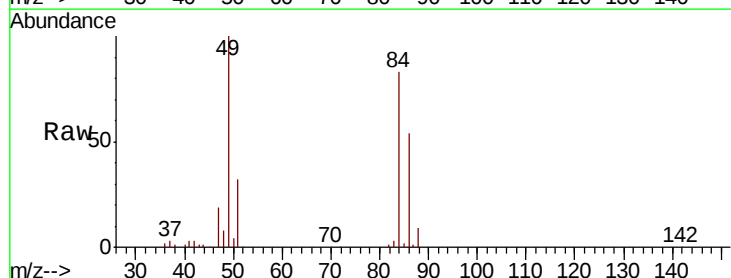
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

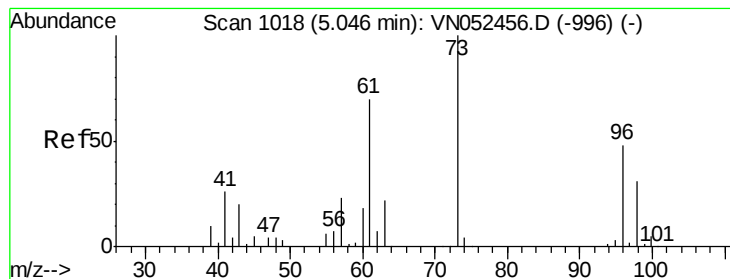
Tot Ion: 41 Resp: 277157
Ion Ratio Lower Upper
41 100
39 65.6 32.8 98.3
76 37.7 18.6 55.8



#18
Methylene Chloride
Concen: 20.342 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 84 Resp: 199790
Ion Ratio Lower Upper
84 100
49 119.8 101.4 152.0
51 38.3 31.7 47.5
86 65.0 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 20.119 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS01

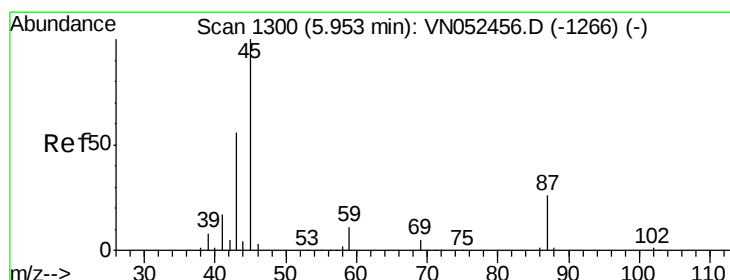
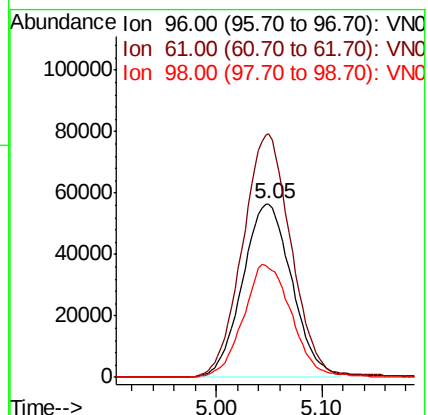
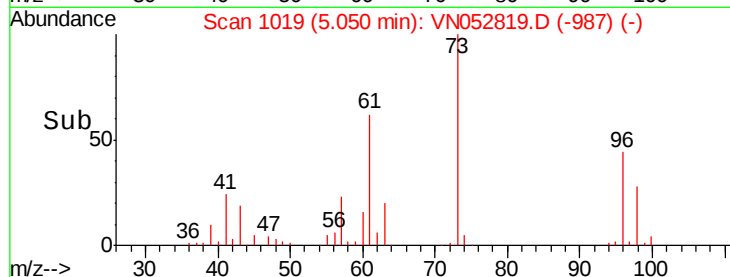
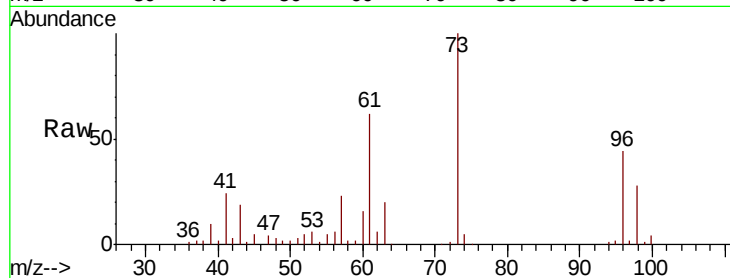
Tot Ion: 96 Resp: 183660

Ion Ratio Lower Upper

96 100

61 139.8 118.2 177.4

98 62.7 51.4 77.2



#20

Diisopropyl ether

Concen: 20.058 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Tgt Ion: 45 Resp: 623557

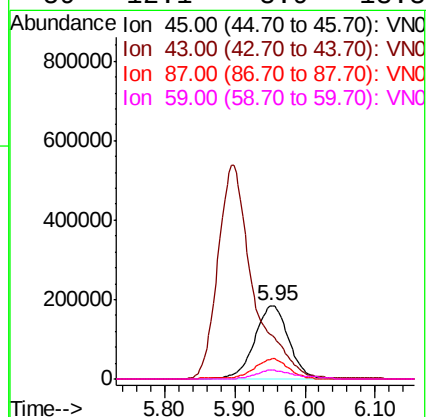
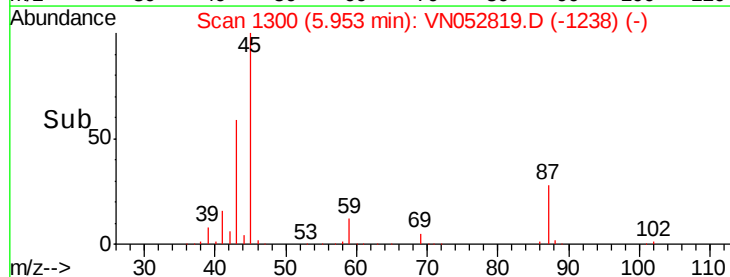
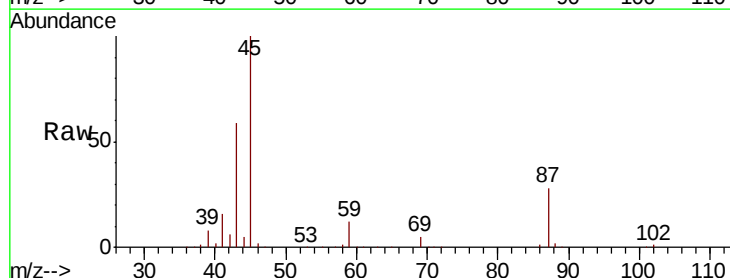
Ion Ratio Lower Upper

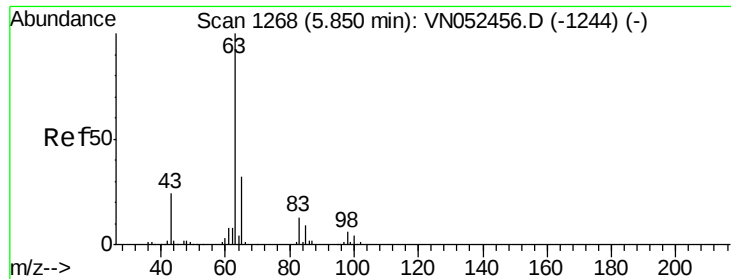
45 100

43 57.8 47.8 71.8

87 27.7 21.3 31.9

59 12.1 8.9 13.3

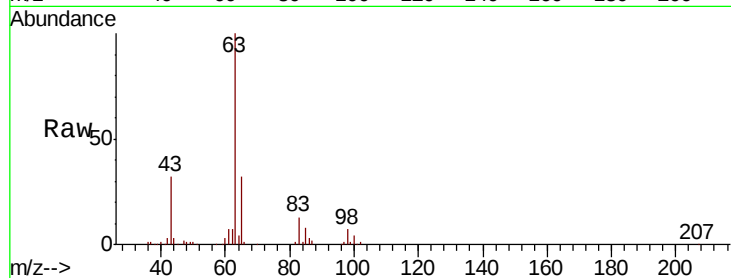




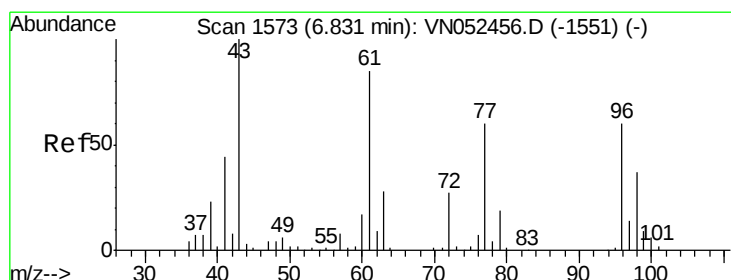
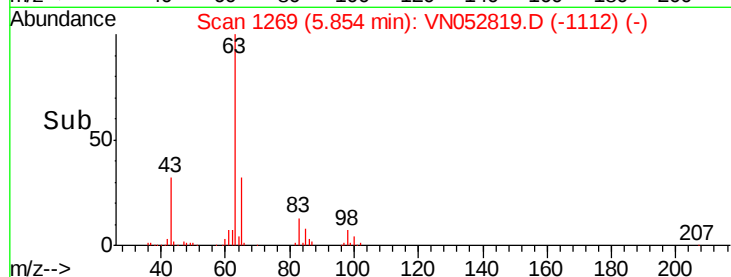
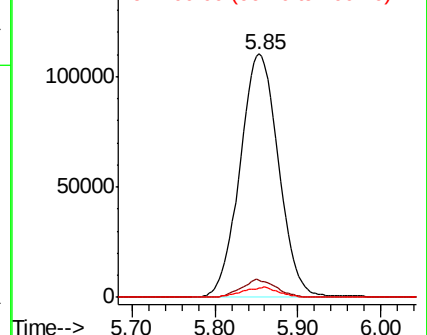
#21
 1,1-Dichloroethane
 Concen: 20.122 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBS01

Tot Ion: 63 Resp: 356541
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.0 9.2
 100 3.7 1.8 5.5

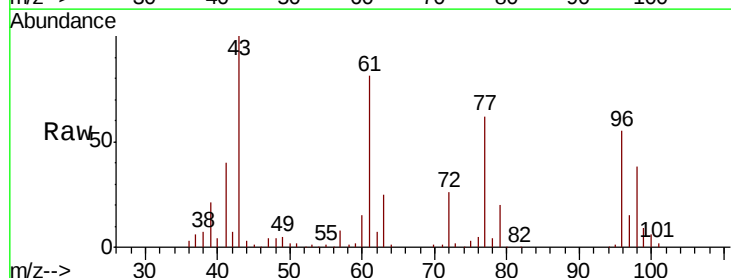


Abundance Ion 63.00 (62.70 to 63.70): VN0
 150000
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

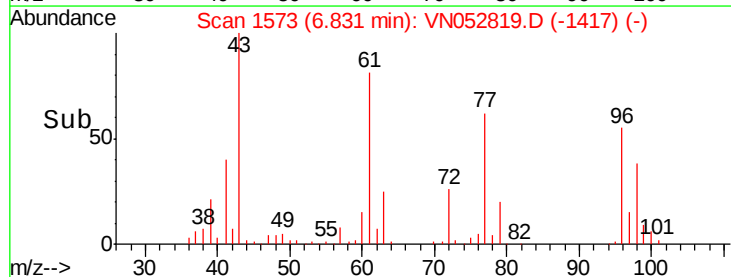
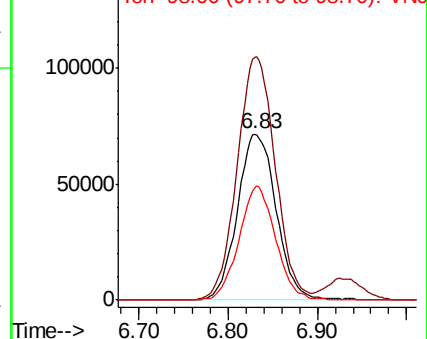


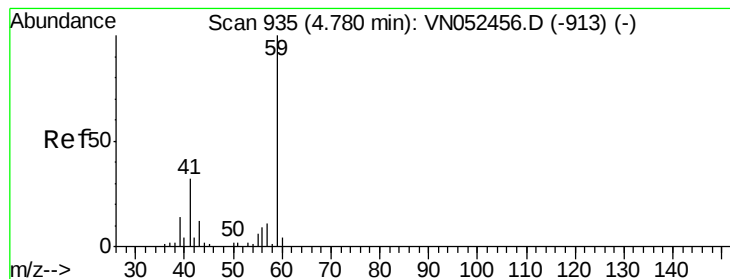
#22
 cis-1,2-Dichloroethene
 Concen: 20.592 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 96 Resp: 215440
 Ion Ratio Lower Upper
 96 100
 61 144.1 116.7 175.1
 98 64.9 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VN0
 100000
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



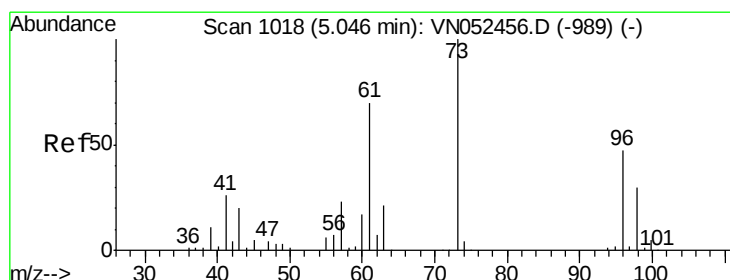
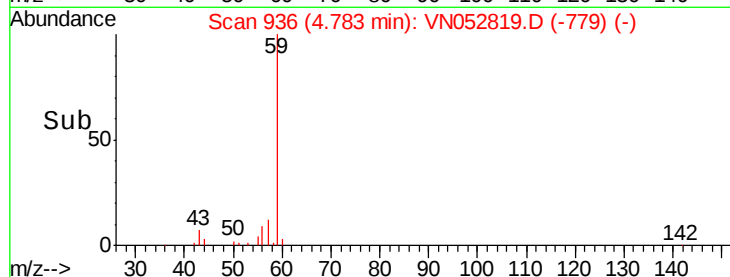
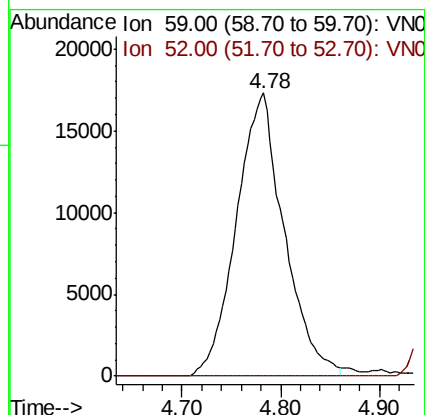
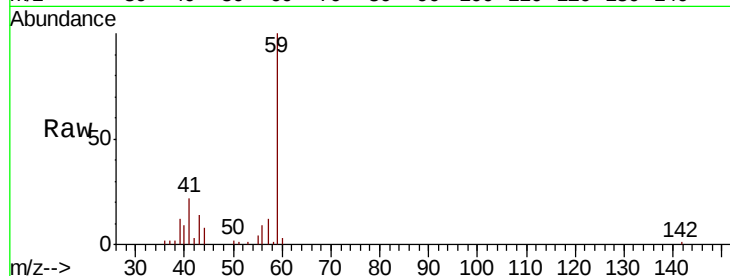


#23

tert-Butyl Alcohol
 Concen: 127.443 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

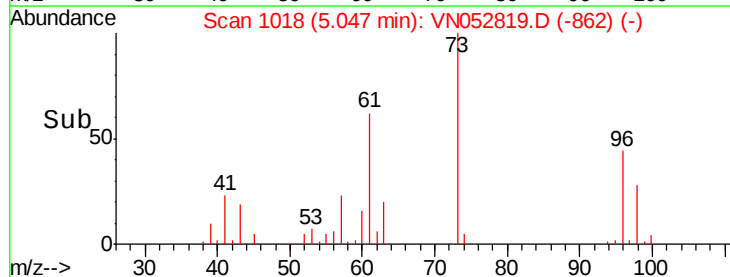
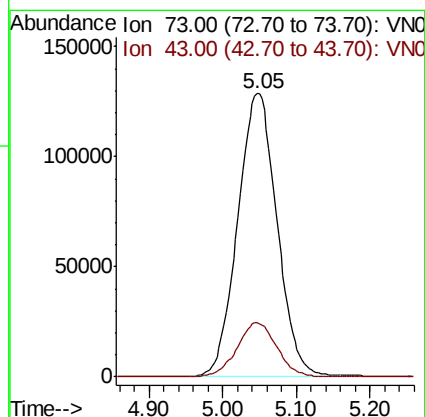
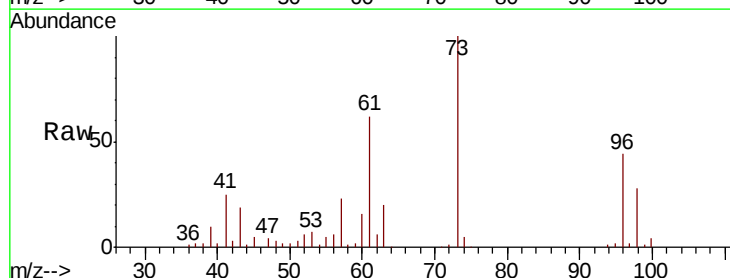
Tot Ion: 59 Resp: 58220
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

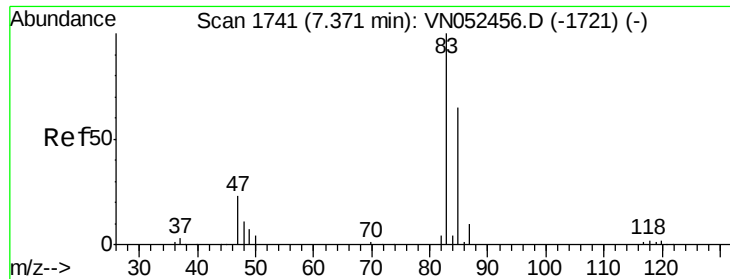


#24

Methyl tert-Butyl Ether
 Concen: 21.509 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 73 Resp: 478646
 Ion Ratio Lower Upper
 73 100
 43 18.9 15.8 23.8

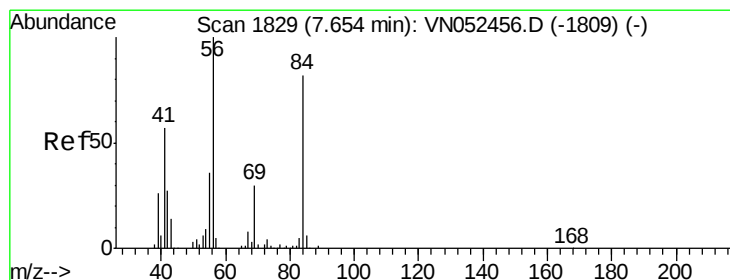
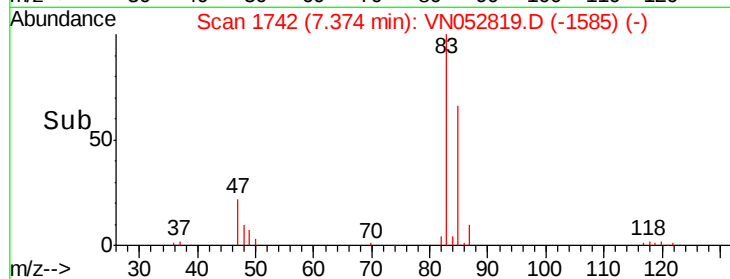
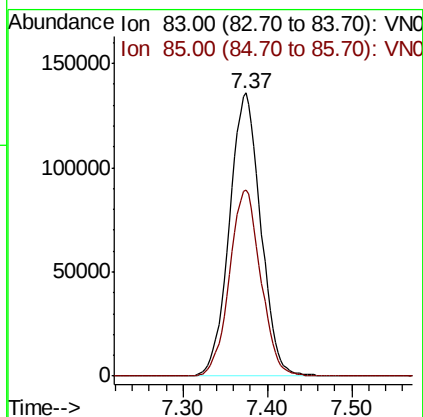
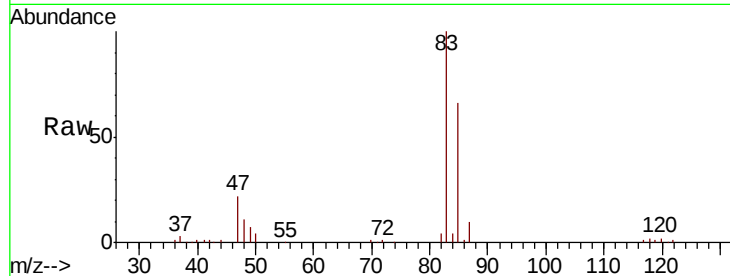




#25
Chloroform
Concen: 20.551 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

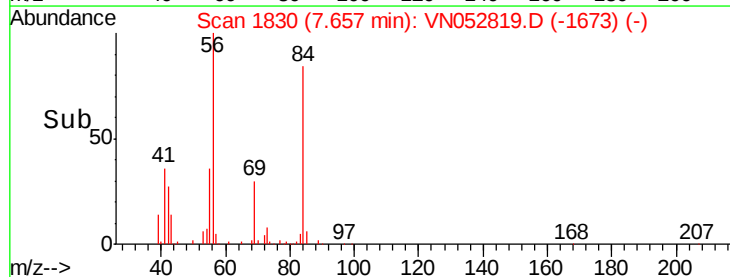
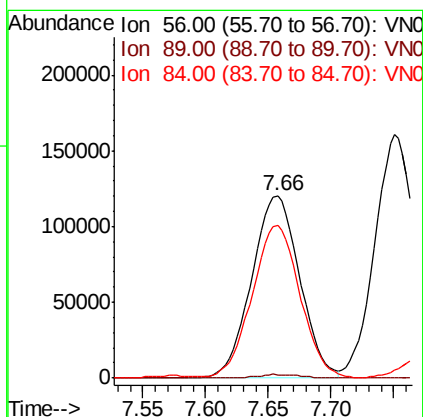
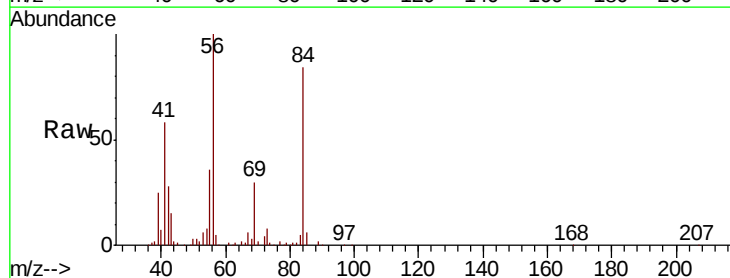
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

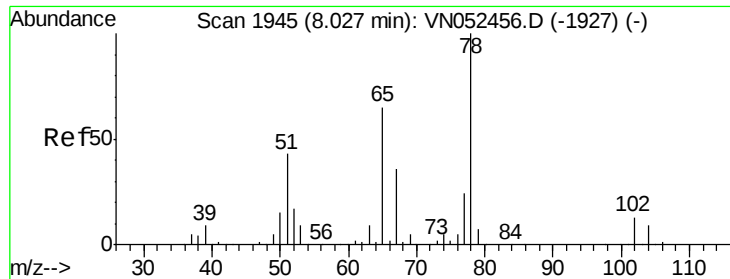
Tot Ion: 83 Resp: 351292
Ion Ratio Lower Upper
83 100
85 66.0 51.7 77.5



#26
Cyclohexane
Concen: 19.182 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 56 Resp: 320557
Ion Ratio Lower Upper
56 100
89 1.8 0.5 0.7#
84 83.7 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 19.182 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

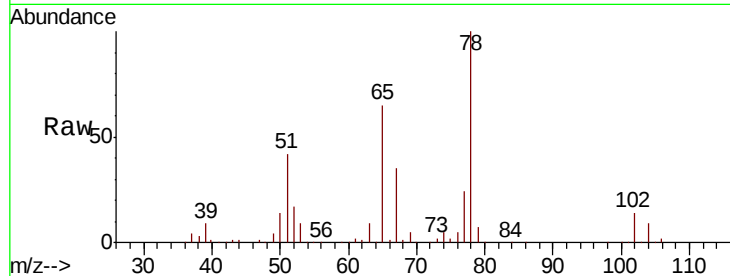
VN1212WBS01

Tot Ion: 65 Resp: 304925

Ion Ratio Lower Upper

65 100

67 54.0 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN052456.D (-1927) (-)

Ion 67.00 (66.70 to 67.70): VN052456.D (-1927) (-)

8.03

150000

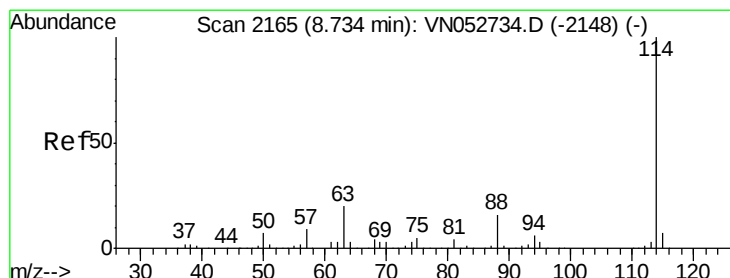
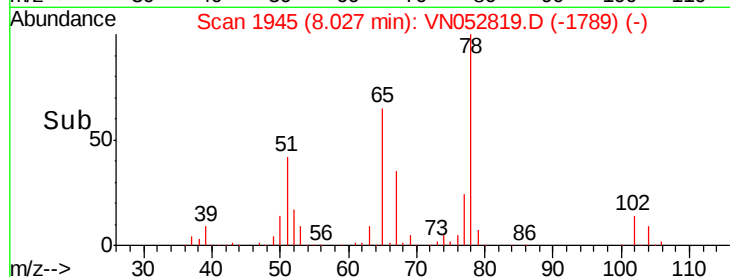
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

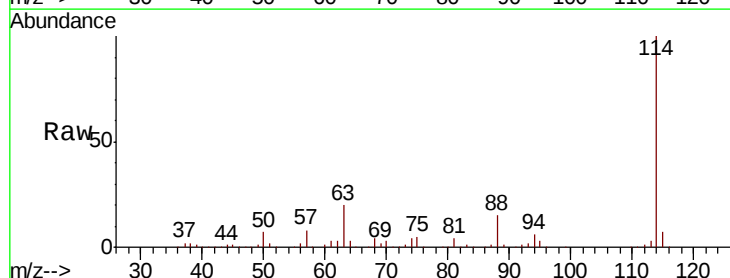
Tgt Ion: 114 Resp: 878182

Ion Ratio Lower Upper

114 100

63 20.3 16.9 25.3

88 15.4 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): VN052734.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN052734.D (-2148) (-)

Ion 88.00 (87.70 to 88.70): VN052734.D (-2148) (-)

8.59

500000

400000

300000

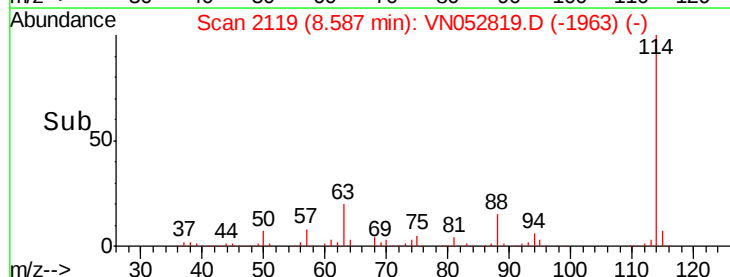
200000

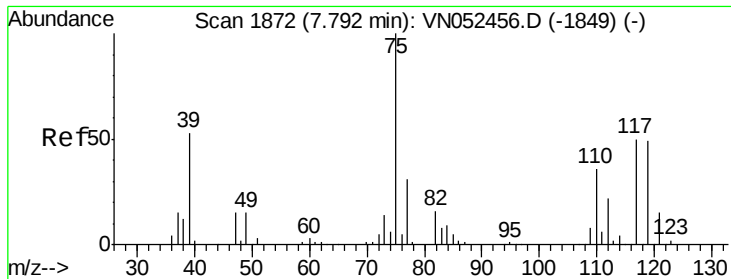
100000

0

8.50 8.60 8.70

Time-->

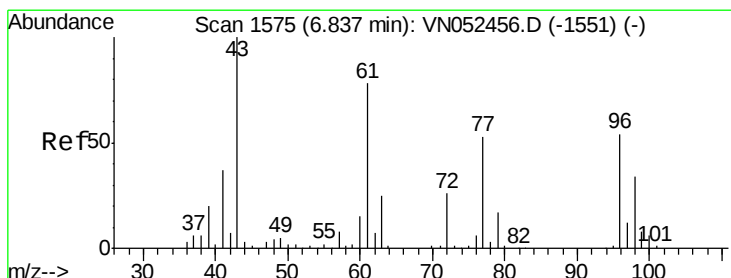
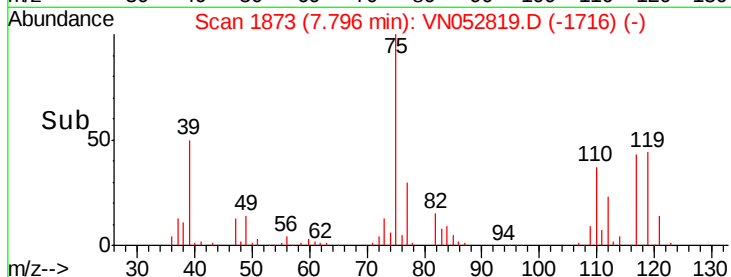
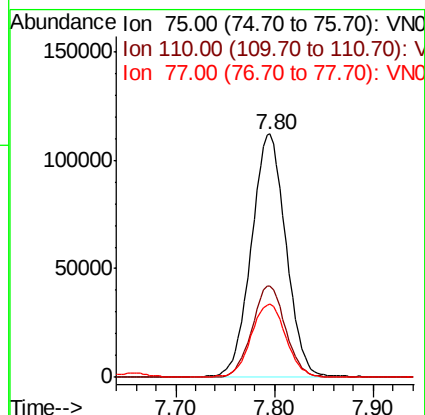
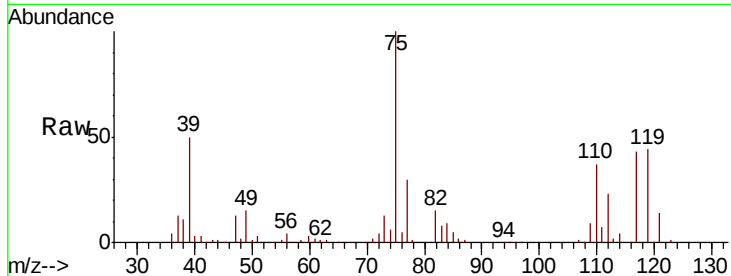




#29
 1,1-Dichloropropene
 Concen: 20.237 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

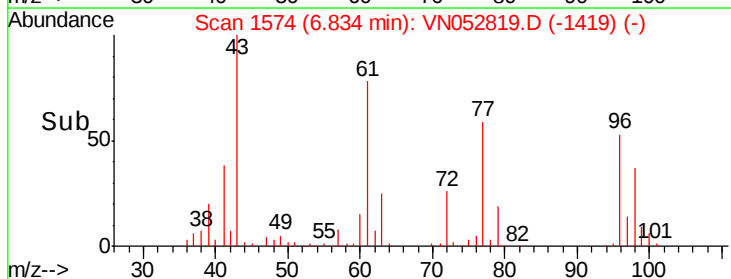
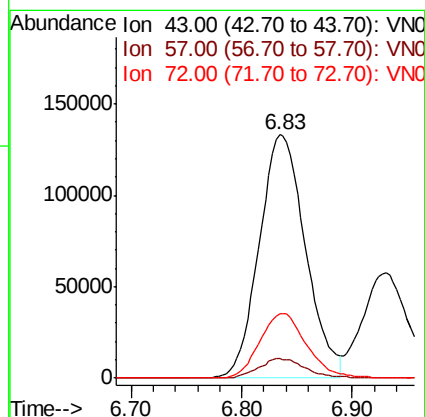
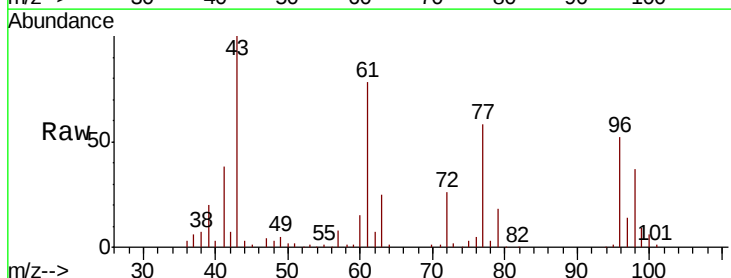
Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBS01

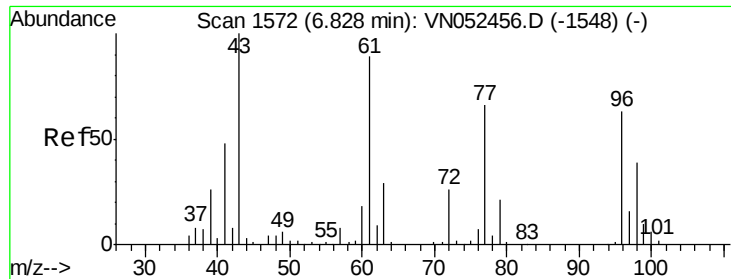
Tot Ion: 75 Resp: 271386
 Ion Ratio Lower Upper
 75 100
 110 36.1 0.0 70.2
 77 30.6 0.0 62.6



#30
 2-Butanone
 Concen: 107.399 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 43 Resp: 385400
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.2 9.4
 72 27.1 21.0 31.6

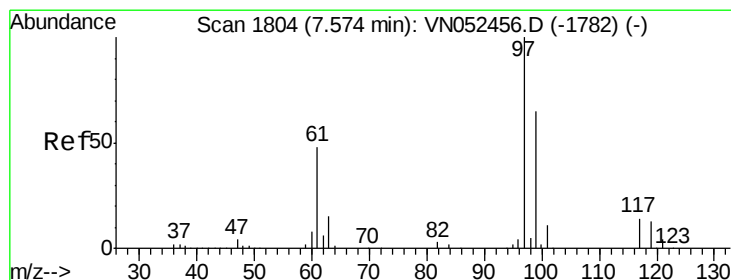
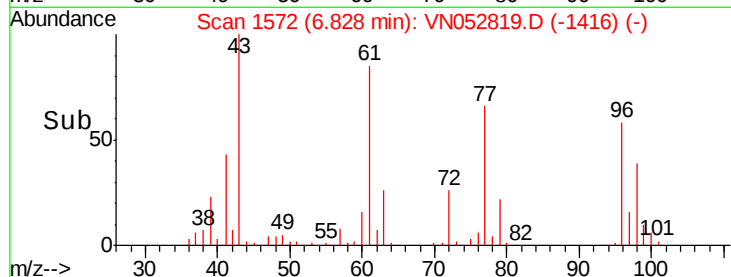
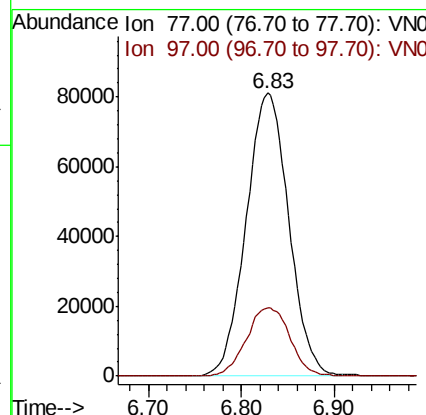
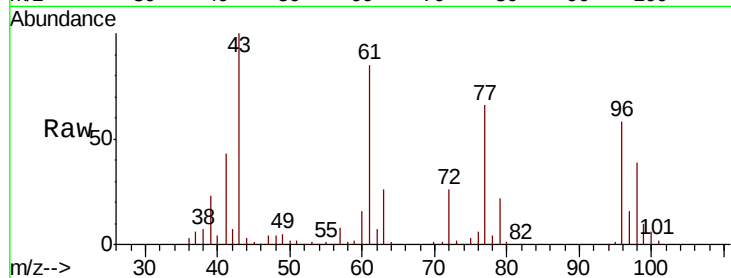




#31
 2,2-Dichloropropane
 Concen: 20.974 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

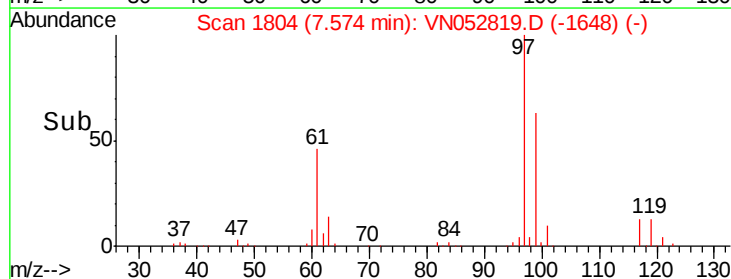
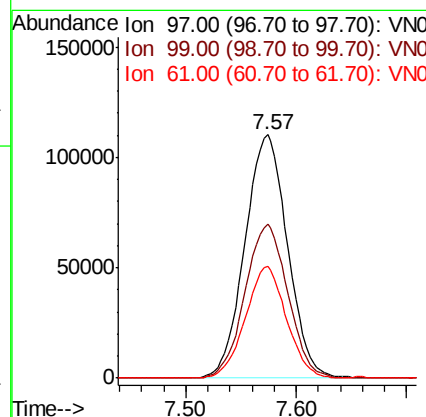
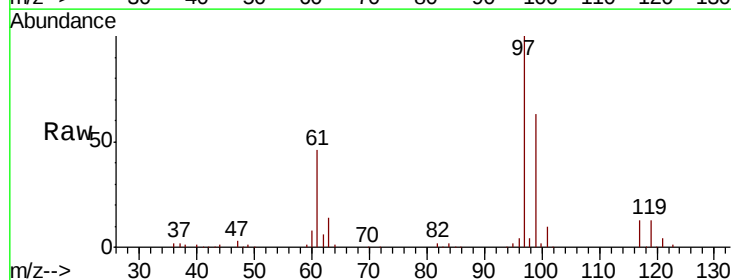
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

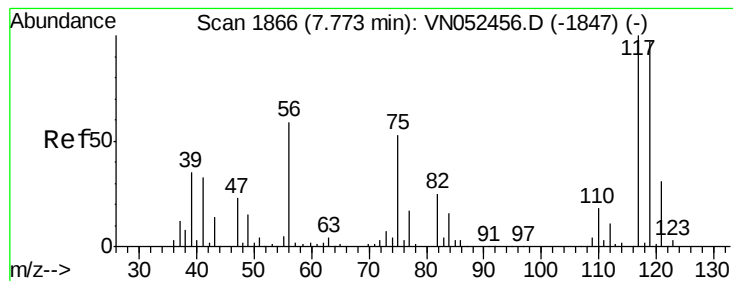
Tot Ion: 77 Resp: 258945
 Ion Ratio Lower Upper
 77 100
 97 24.7 18.7 28.1



#32
 1,1,1-Trichloroethane
 Concen: 21.137 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 97 Resp: 294945
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.9 76.3
 61 44.3 38.1 57.1





#33

Carbon Tetrachloride

Concen: 20.785 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

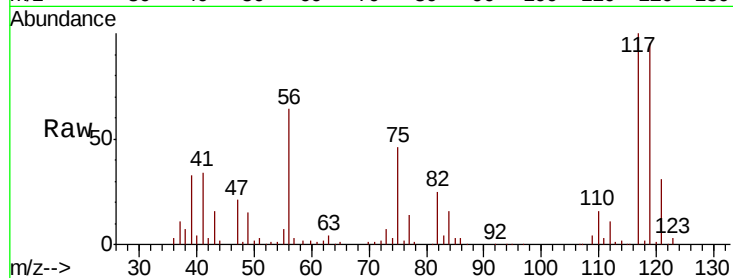
Tot Ion:117 Resp: 253779

Ion Ratio Lower Upper

117 100

119 95.2 77.3 115.9

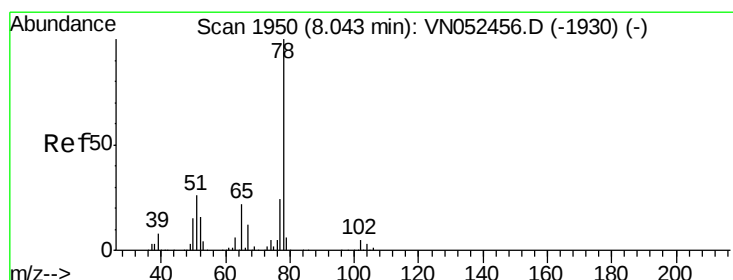
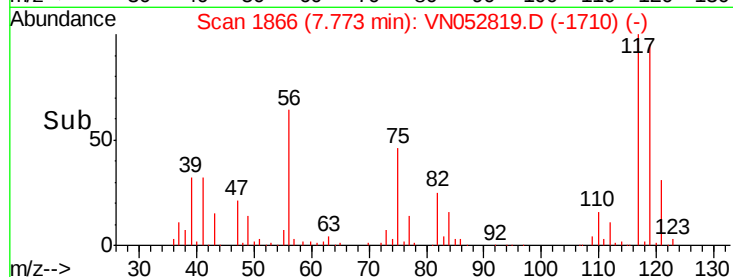
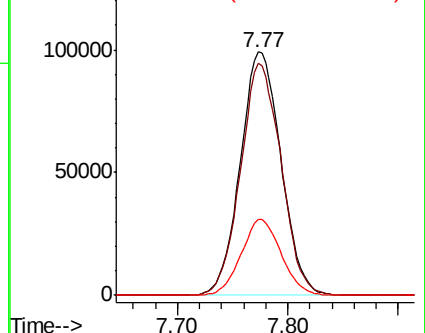
121 31.3 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 20.148 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

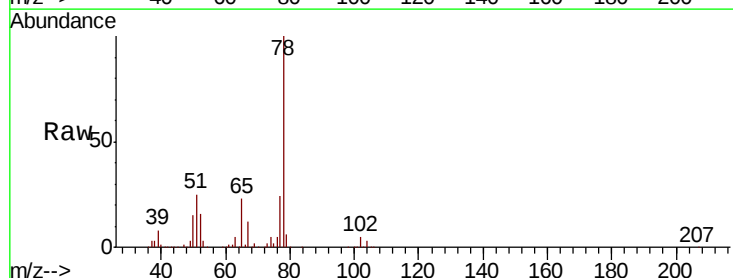
Tgt Ion: 78 Resp: 812364

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

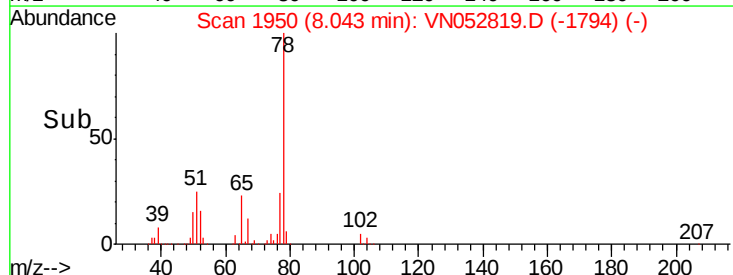
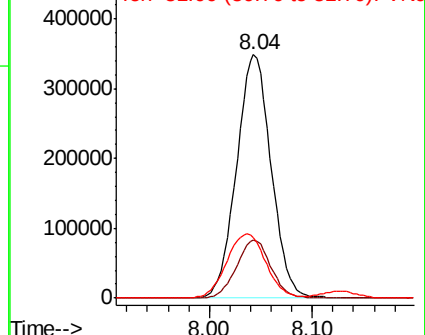
51 24.7 20.5 30.7

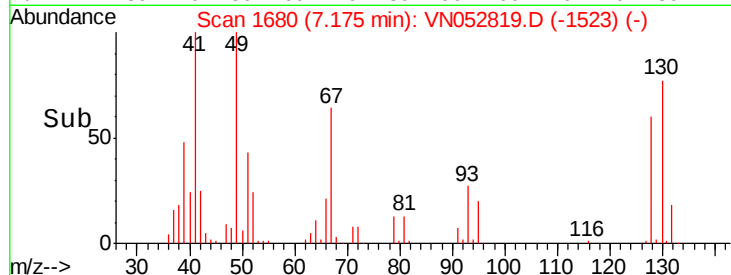
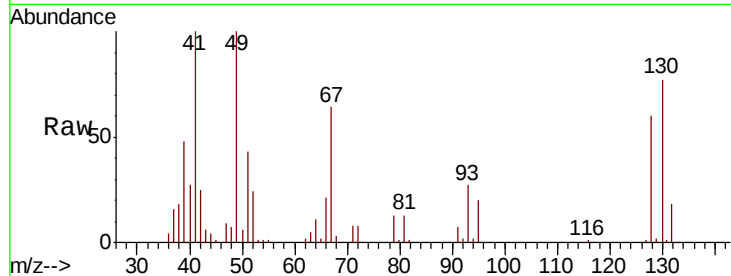
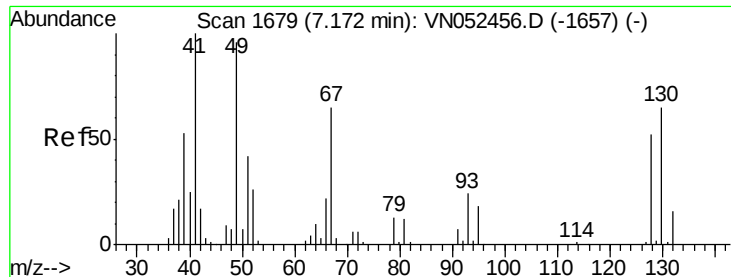


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

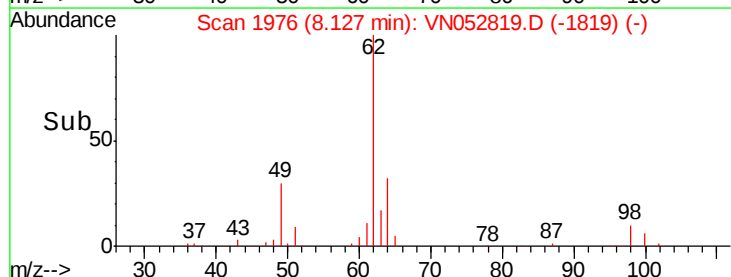
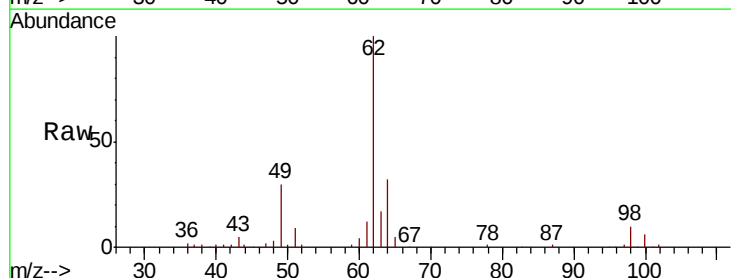
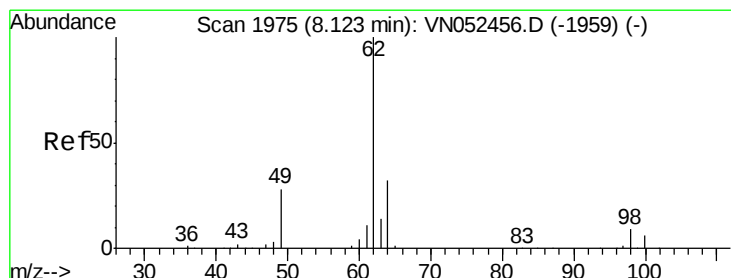
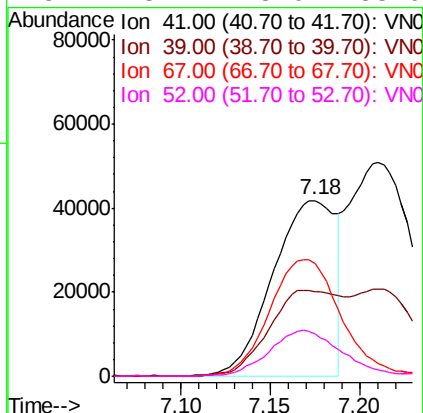




#35
Methacrylonitrile
Concen: 22.964 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

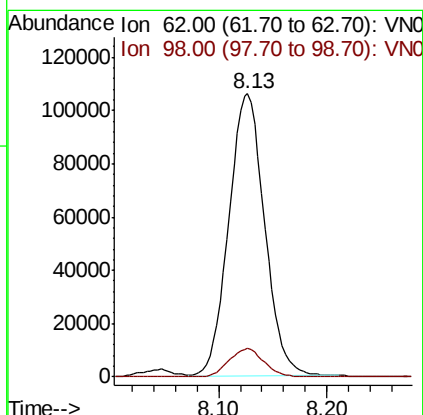
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

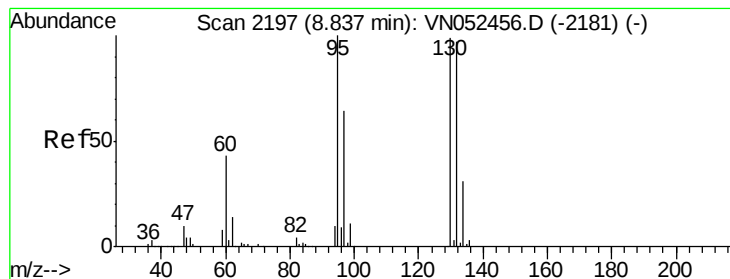
Tot Ion: 41 Resp: 102241
Ion Ratio Lower Upper
41 100
39 48.4 26.6 79.7
67 64.3 32.3 96.9
52 23.7 13.0 38.9



#36
1,2-Dichloroethane
Concen: 20.105 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 62 Resp: 245649
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.2





#37

Trichloroethene

Concen: 21.554 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

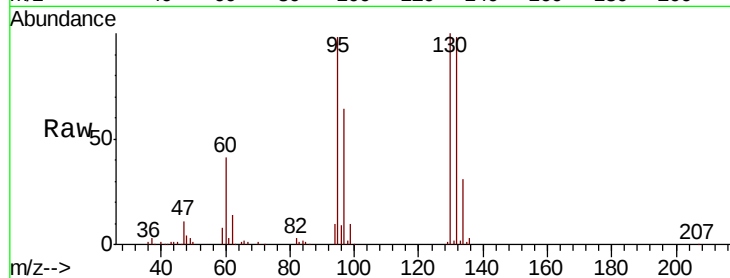
VN1212WBS01

Tot Ion:130 Resp: 220368

Ion Ratio Lower Upper

130 100

95 98.1 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

120000

100000

80000

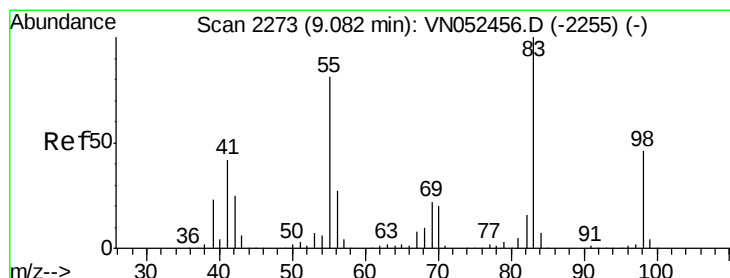
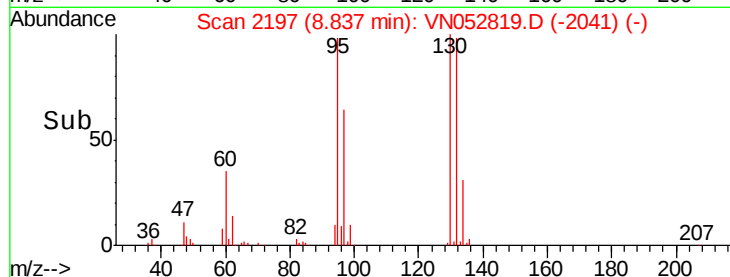
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 19.717 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

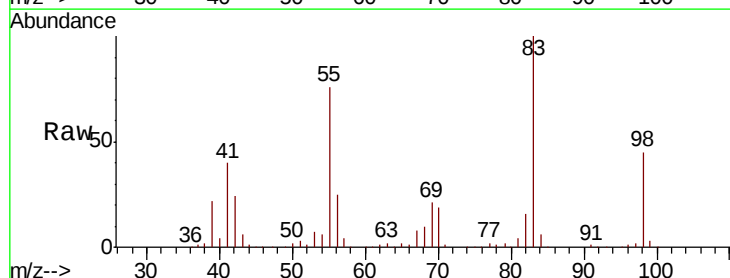
Tgt Ion: 83 Resp: 327329

Ion Ratio Lower Upper

83 100

55 76.6 39.8 119.4

98 45.7 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

200000

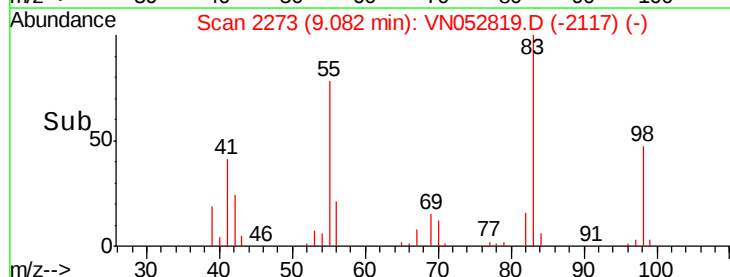
150000

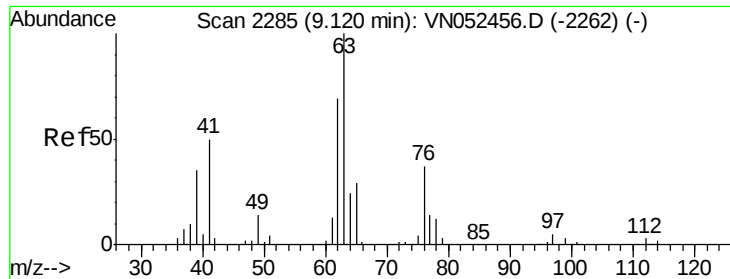
100000

50000

0

Time-->

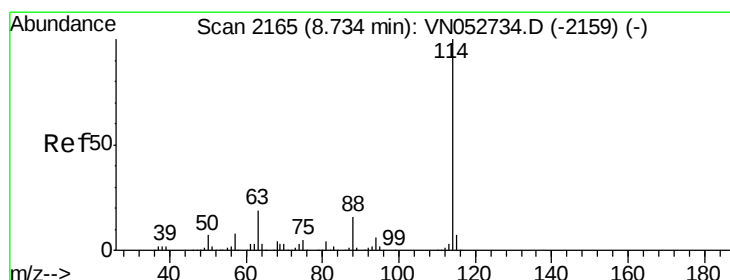
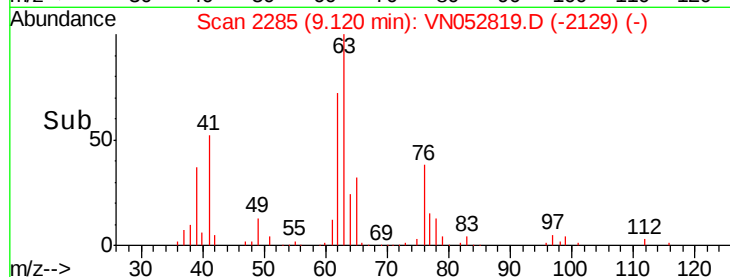
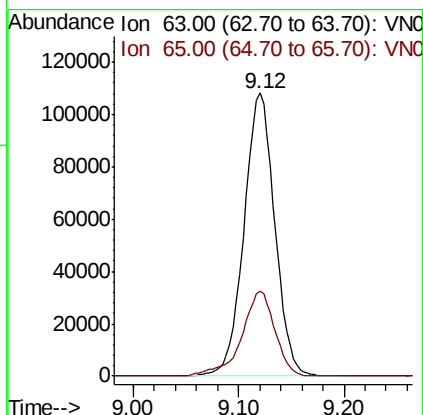
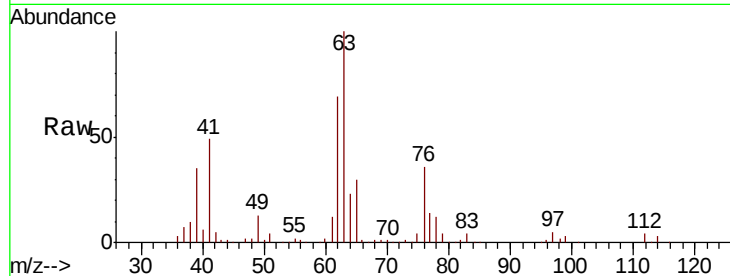




#39
 1,2-Dichloropropane
 Concen: 20.308 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

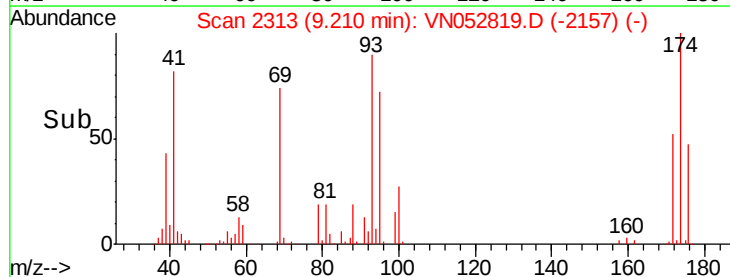
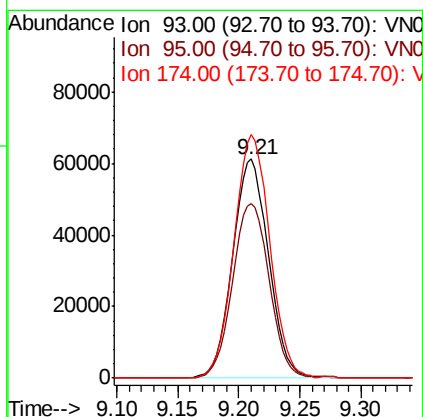
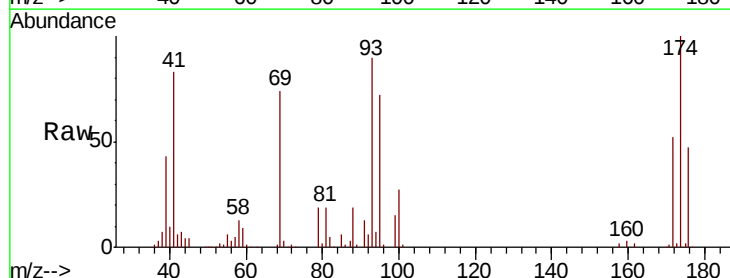
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

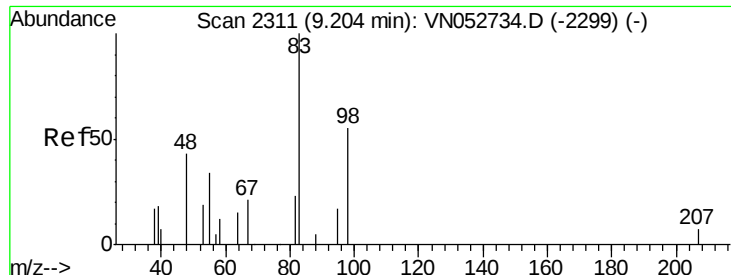
Tot Ion: 63 Resp: 219492
 Ion Ratio Lower Upper
 63 100
 65 30.0 23.6 35.4



#40
 Dibromomethane
 Concen: 21.440 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 93 Resp: 125219
 Ion Ratio Lower Upper
 93 100
 95 81.1 0.0 168.4
 174 110.8 0.0 210.0





#41

Bromodichloromethane

Concen: 20.253 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

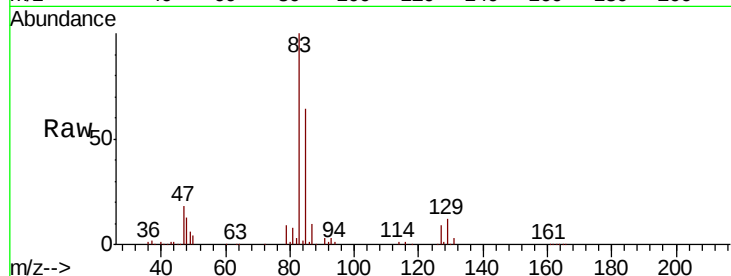
Tot Ion: 83 Resp: 261341

Ion Ratio Lower Upper

83 100

85 64.5 52.4 78.6

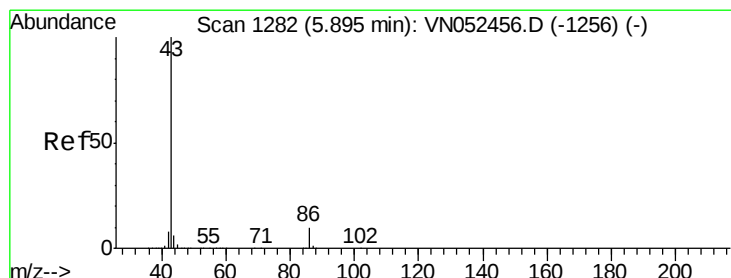
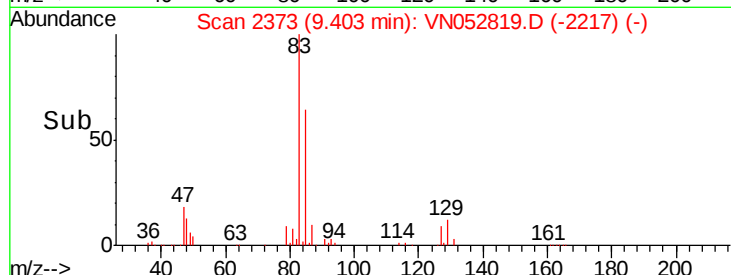
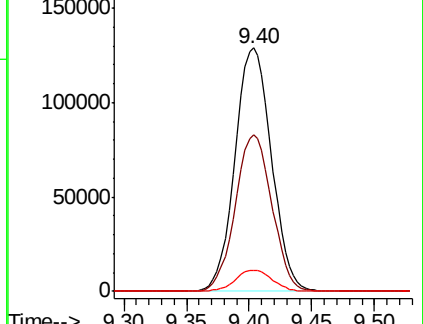
127 8.7 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 96.985 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052819.D

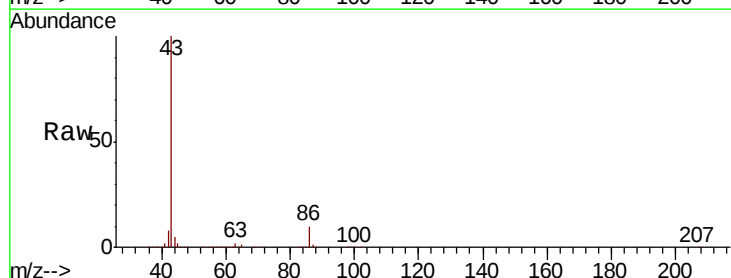
Acq: 12 Dec 2018 11:36

Tgt Ion: 43 Resp: 1883067

Ion Ratio Lower Upper

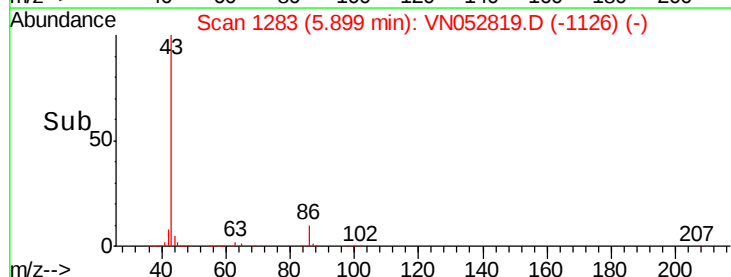
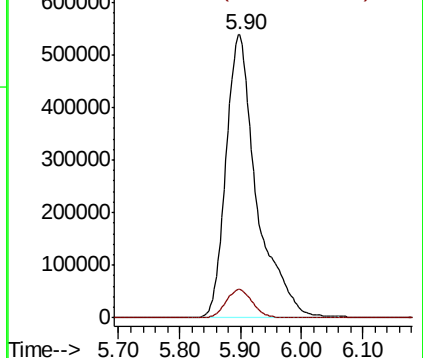
43 100

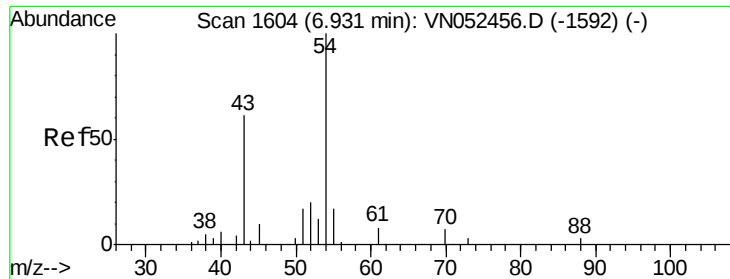
86 8.8 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 21.933 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

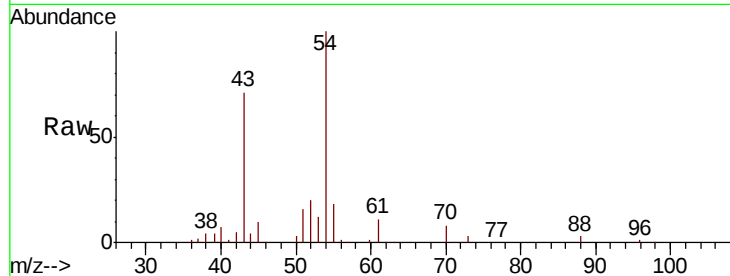
VN1212WBS01

Tot Ion: 43 Resp: 167358

Ion Ratio Lower Upper

43 100

45 13.9 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

150000

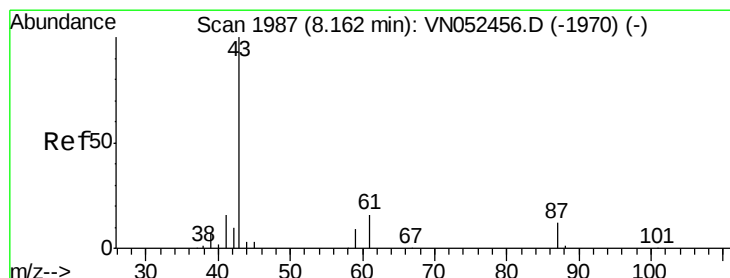
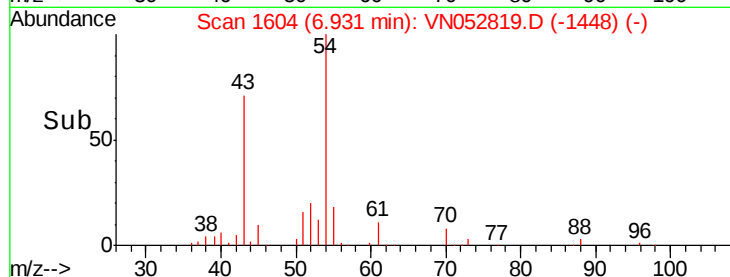
100000

50000

0

6.93

Time-->



#44

Isopropyl Acetate

Concen: 22.960 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052819.D

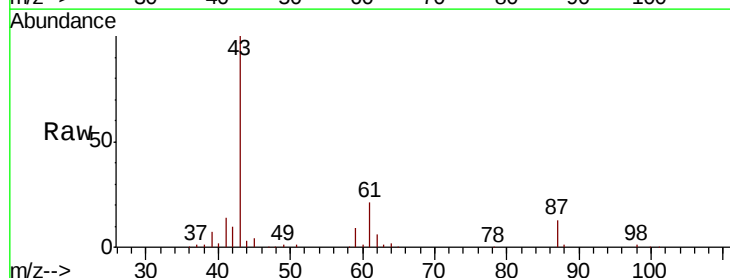
Acq: 12 Dec 2018 11:36

Tgt Ion: 43 Resp: 307260

Ion Ratio Lower Upper

43 100

61 19.7 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

150000

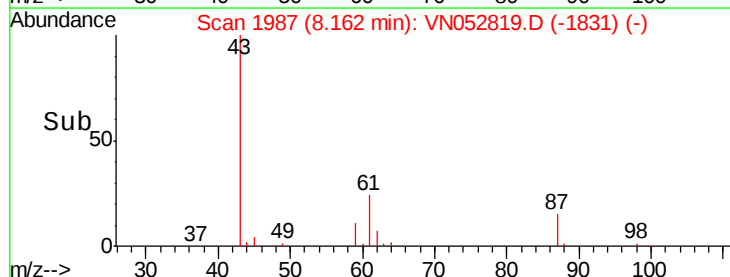
100000

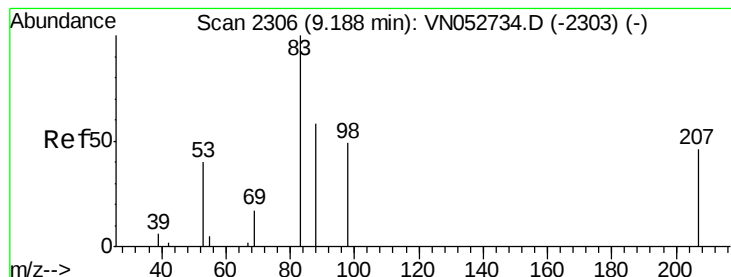
50000

0

8.16

Time-->





#45

1,4-Dioxane

Concen: 493.519 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

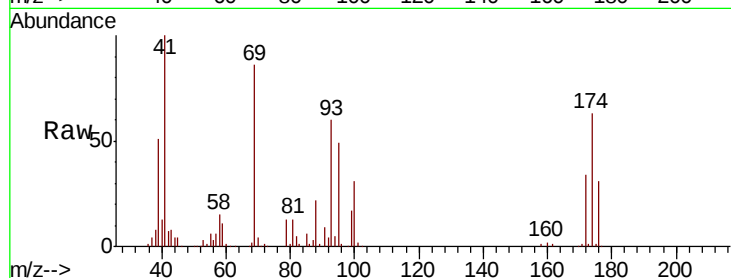
Tot Ion: 88 Resp: 36131

Ion Ratio Lower Upper

88 100

43 32.5 29.5 44.3

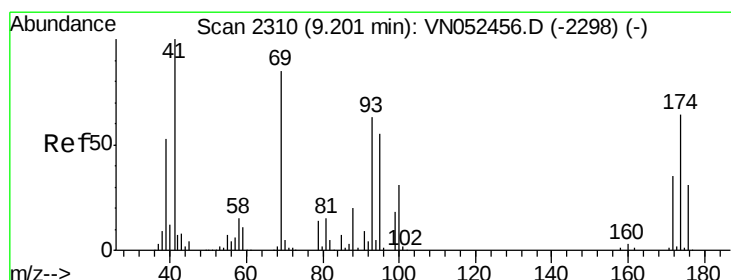
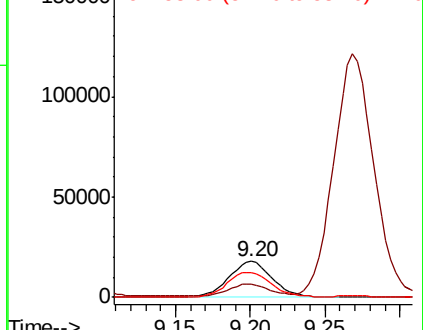
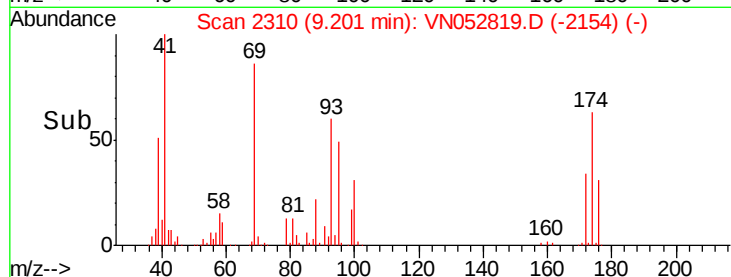
58 71.7 61.5 92.3



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



#46

Methyl methacrylate

Concen: 21.514 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

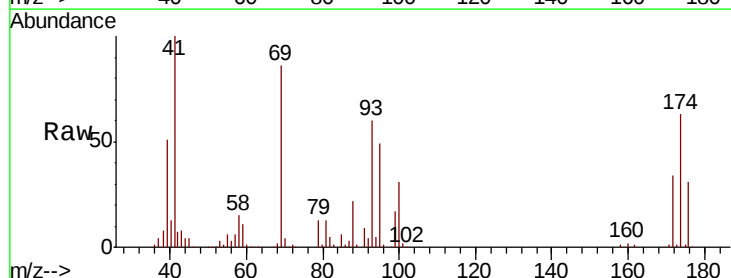
Tgt Ion: 41 Resp: 149489

Ion Ratio Lower Upper

41 100

69 87.1 42.5 127.6

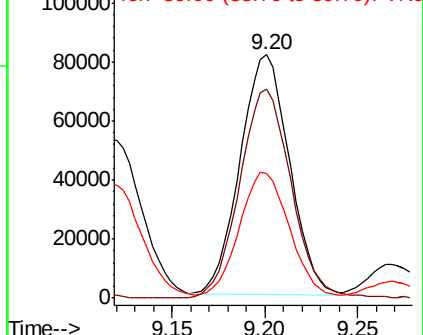
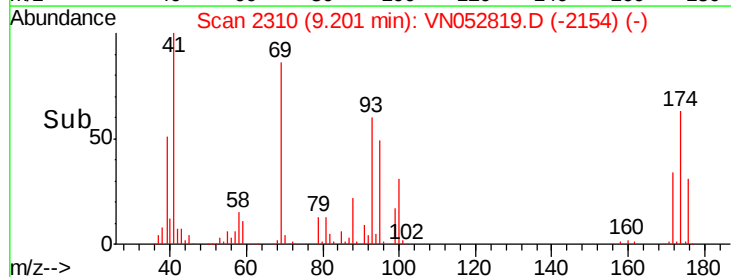
39 50.9 26.3 78.9

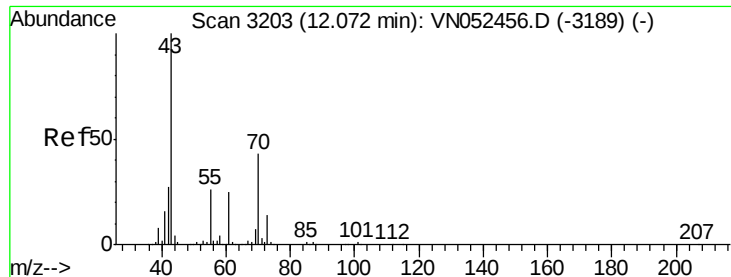


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

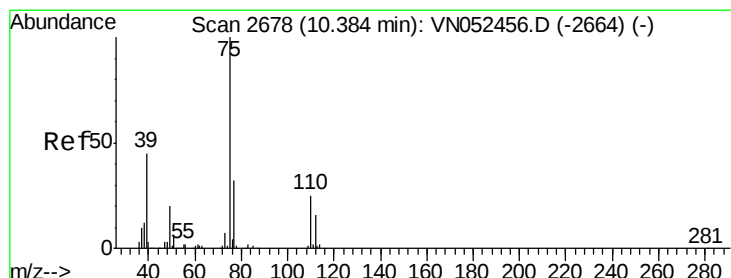
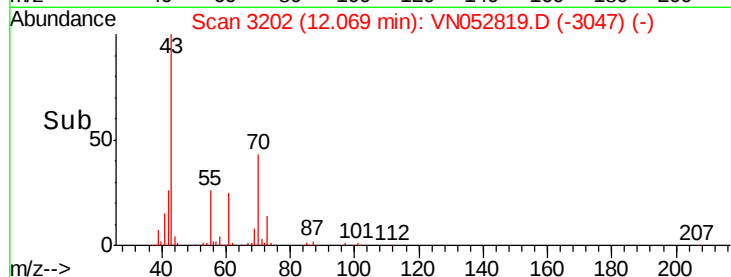
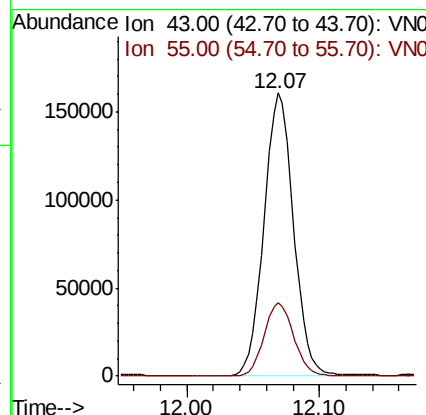
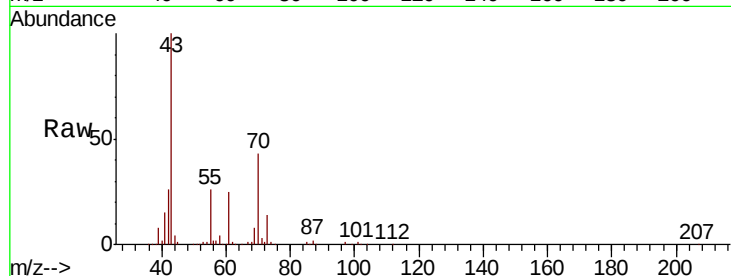




#47
 n-amvl Acetate
 Concen: 22.326 ug/l
 RT: 12.07 min Scan# 3202
 Delta R.T. -0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

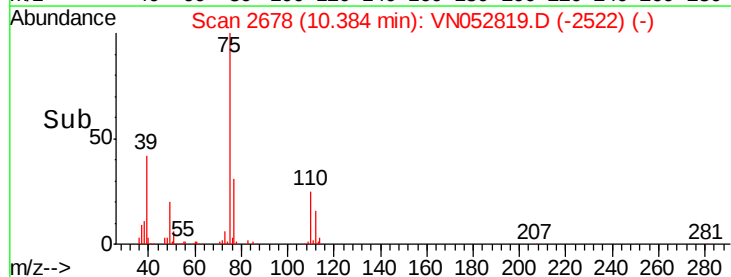
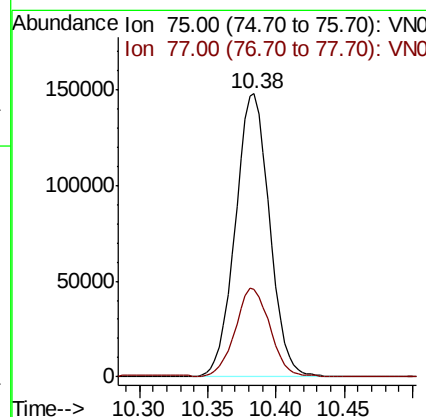
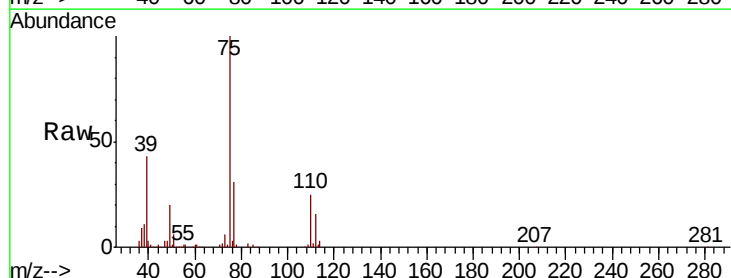
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

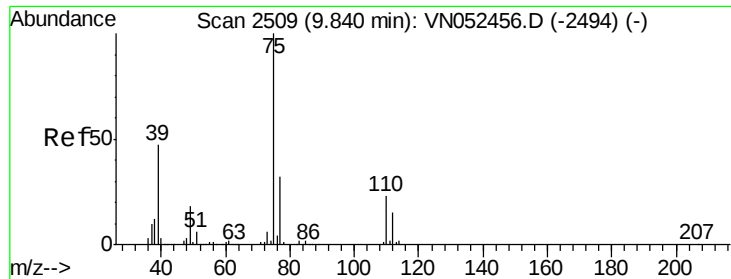
Tot Ion: 43 Resp: 247721
 Ion Ratio Lower Upper
 43 100
 55 26.3 21.1 31.7



#48
 t-1,3-Dichloropropene
 Concen: 20.600 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 75 Resp: 257742
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.6 38.4





#49

cis-1,3-Dichloropropene

Concen: 20.236 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

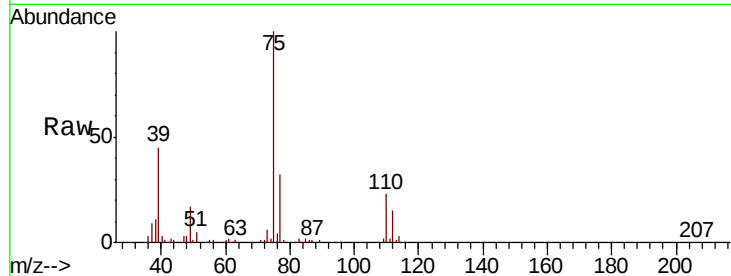
Tot Ion: 75 Resp: 308481

Ion Ratio Lower Upper

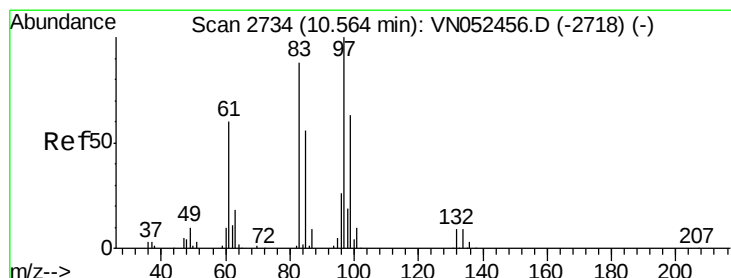
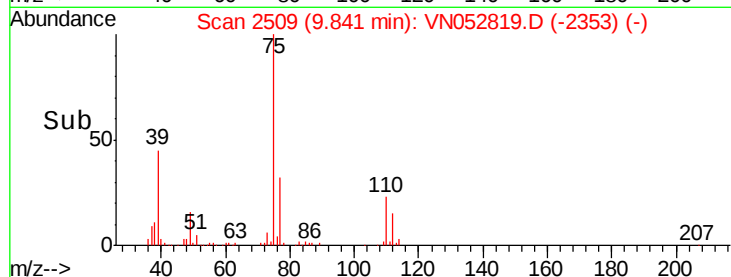
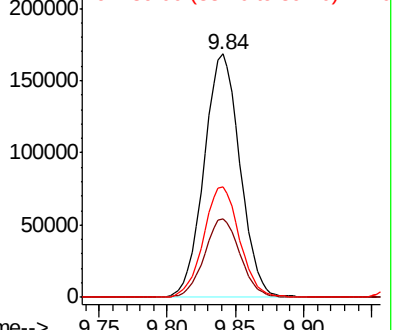
75 100

77 32.1 25.4 38.0

39 45.3 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 21.431 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Tgt Ion: 97 Resp: 177430

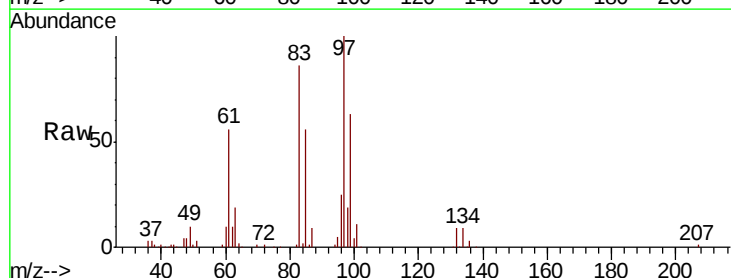
Ion Ratio Lower Upper

97 100

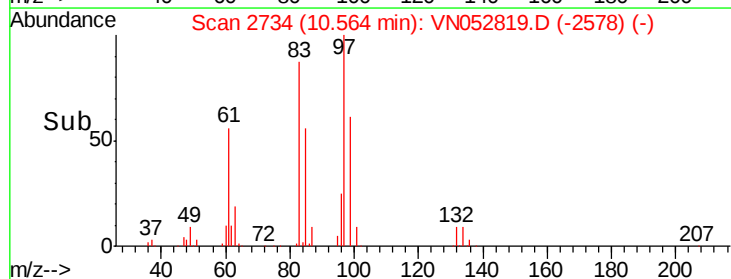
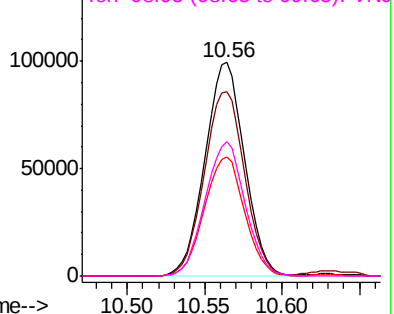
83 86.3 70.4 105.6

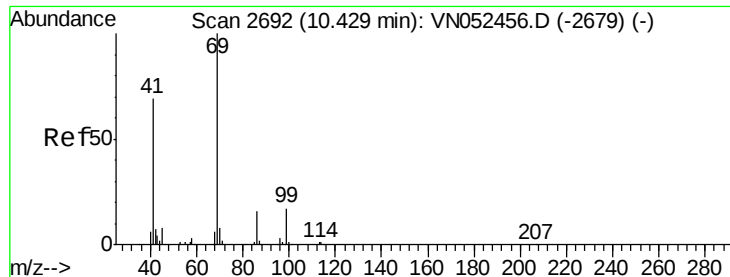
85 55.9 45.0 67.6

99 63.0 50.2 75.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 21.874 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

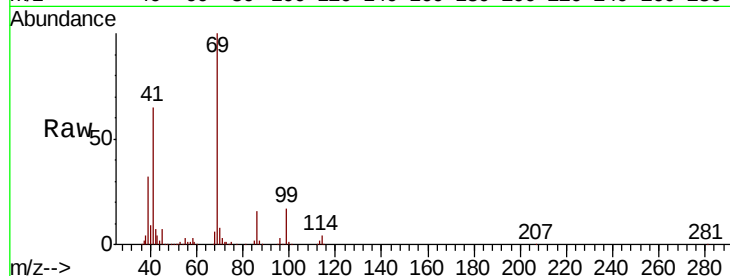
Tot Ion: 69 Resp: 227448

Ion Ratio Lower Upper

69 100

41 64.4 34.4 103.3

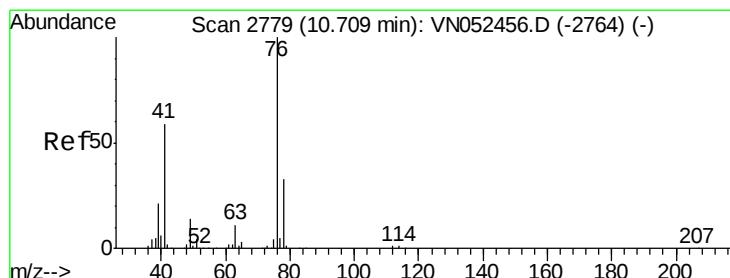
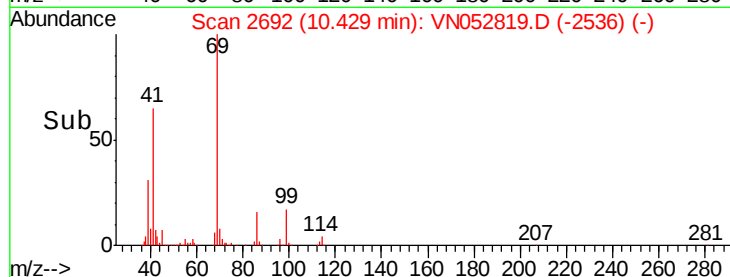
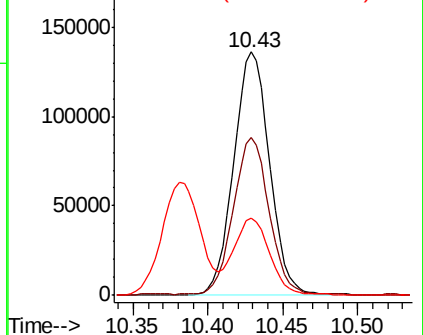
39 31.4 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052819.D (-2536) (-)

Ion 41.00 (40.70 to 41.70): VN052819.D (-2536) (-)

Ion 39.00 (38.70 to 39.70): VN052819.D (-2536) (-)



#52

1,3-Dichloropropane

Concen: 21.078 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052819.D

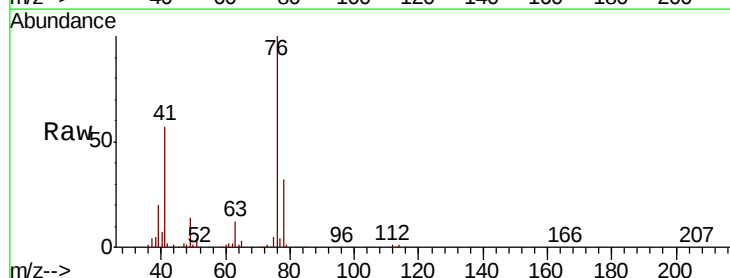
Acq: 12 Dec 2018 11:36

Tgt Ion: 76 Resp: 310612

Ion Ratio Lower Upper

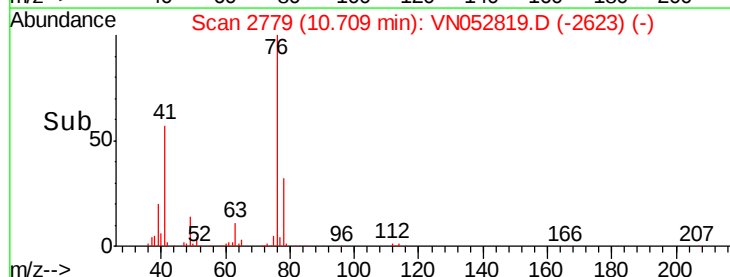
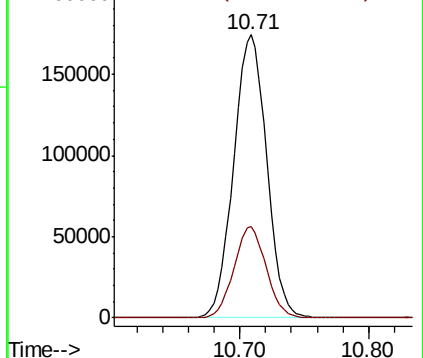
76 100

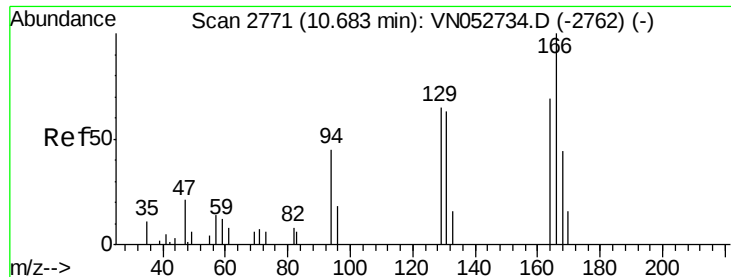
78 31.5 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052819.D (-2623) (-)

Ion 78.00 (77.70 to 78.70): VN052819.D (-2623) (-)





#53

Dibromochloromethane

Concen: 21.460 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

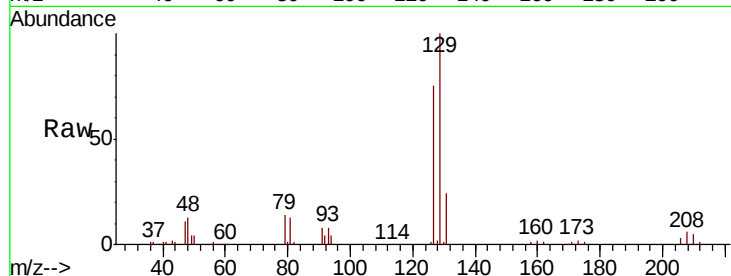
VN1212WBS01

Tot Ion:129 Resp: 195603

Ion Ratio Lower Upper

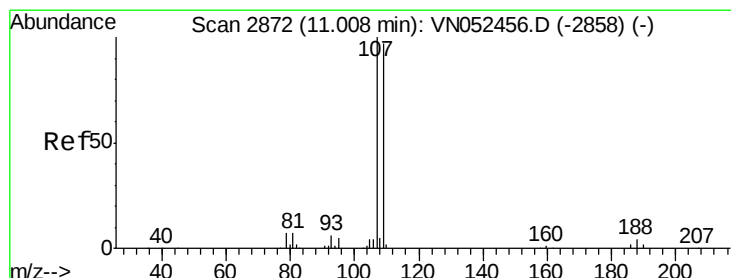
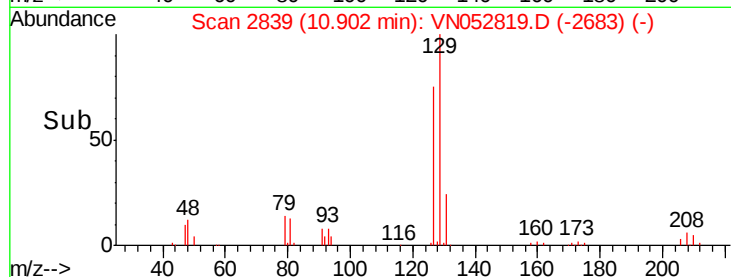
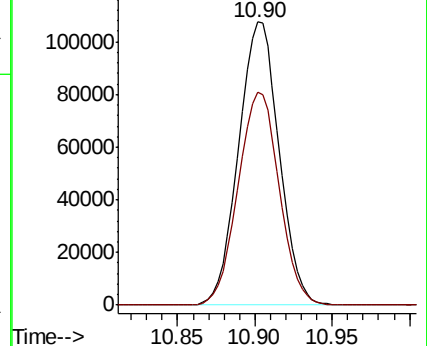
129 100

127 76.5 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 21.811 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052819.D

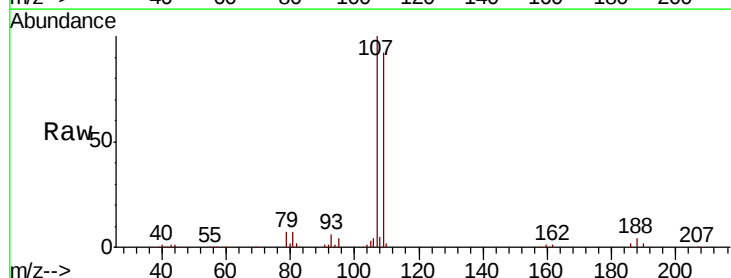
Acq: 12 Dec 2018 11:36

Tgt Ion:107 Resp: 176452

Ion Ratio Lower Upper

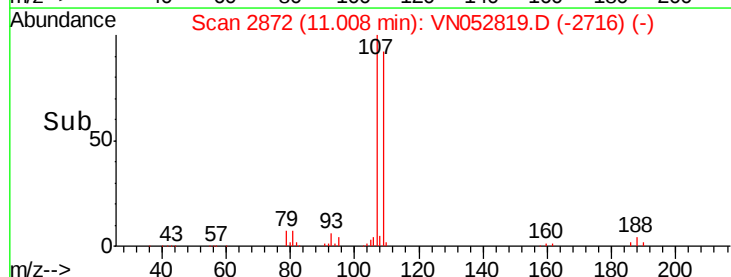
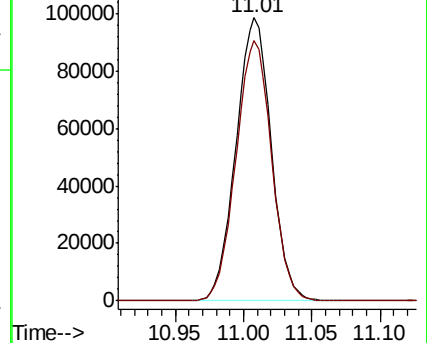
107 100

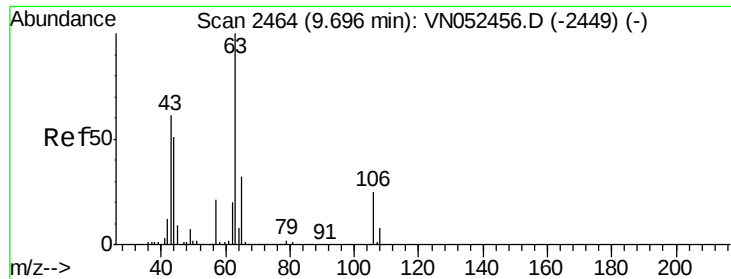
109 93.1 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

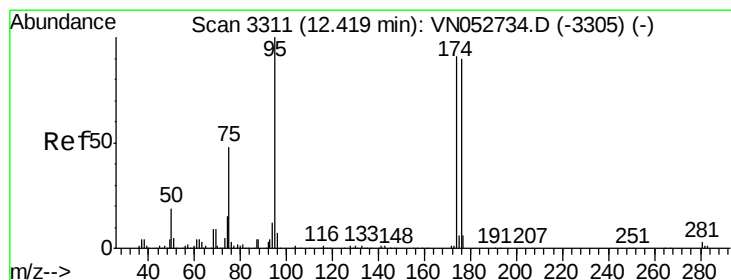
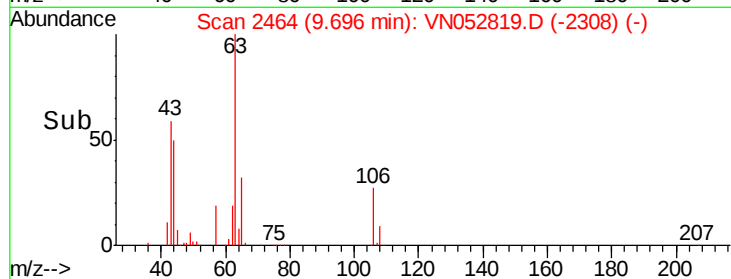
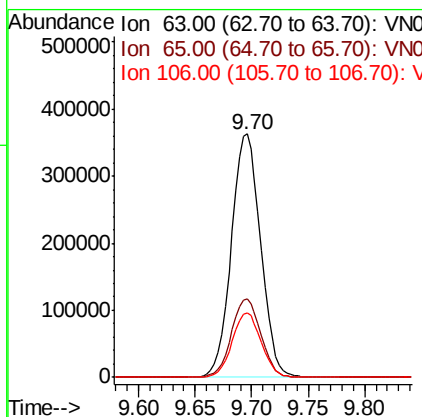
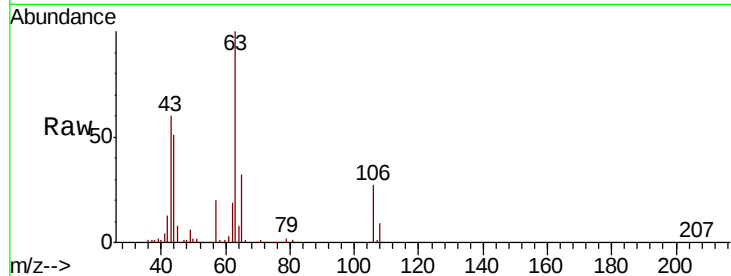




#55
 2-Chloroethyl vinyl ether
 Concen: 107.420 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

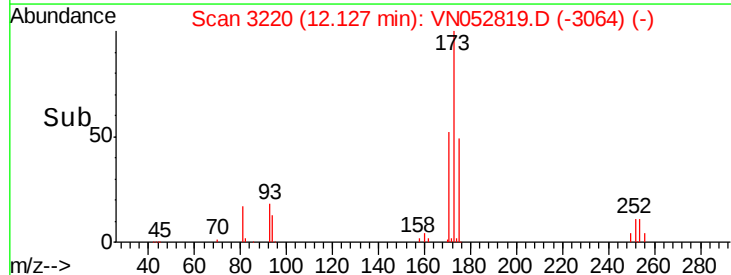
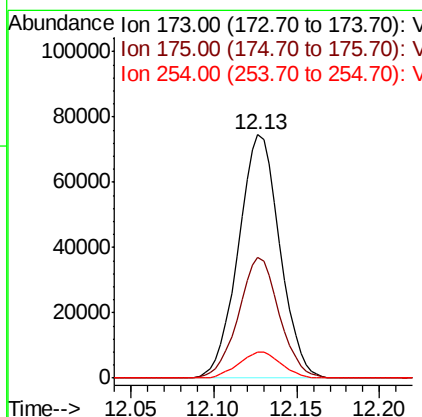
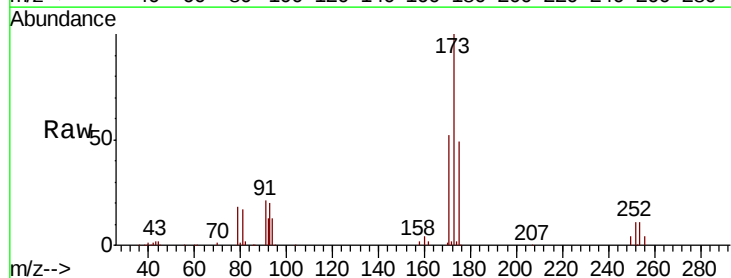
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

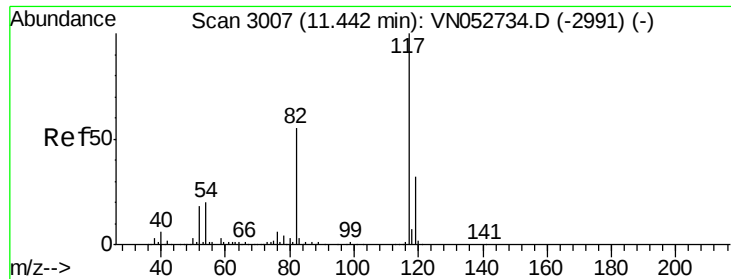
Tot Ion: 63 Resp: 653813
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 26.4 20.4 30.6



#56
 Bromoform
 Concen: 21.749 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion: 173 Resp: 129577
 Ion Ratio Lower Upper
 173 100
 175 48.6 38.7 58.1
 254 10.8 8.4 12.6

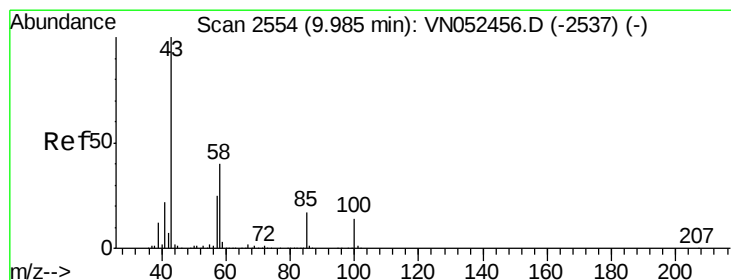
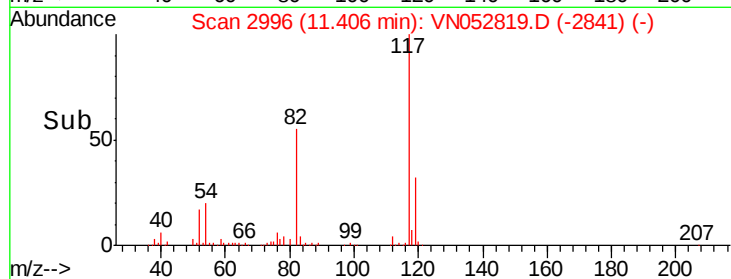
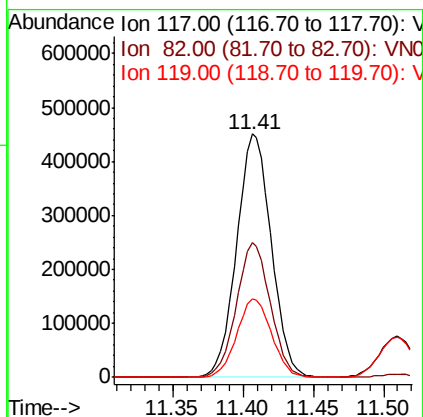
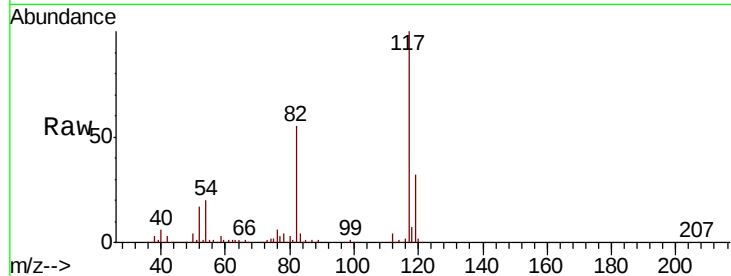




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

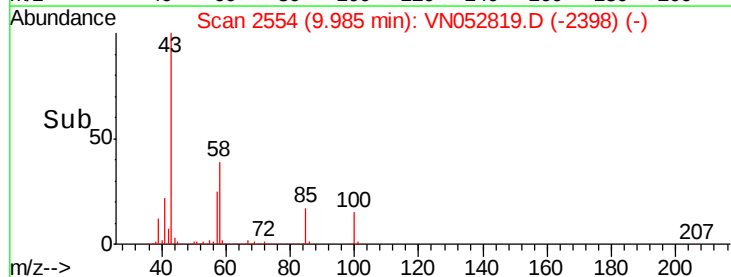
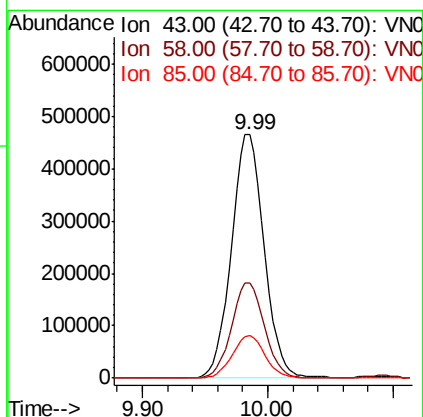
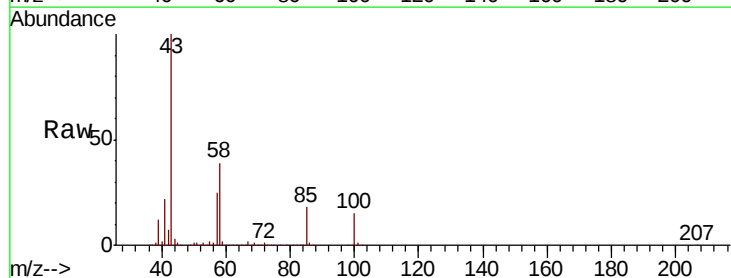
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

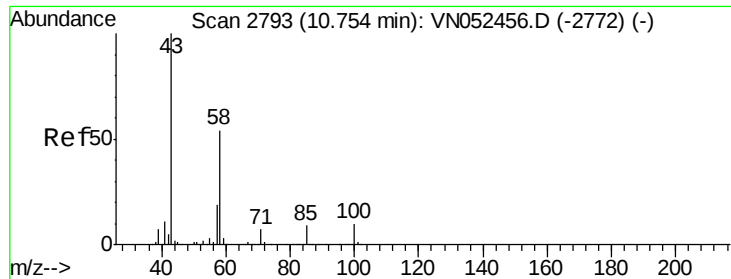
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.2	66.2
119	32.4	25.4	38.2



#58
4-Methyl-2-Pentanone
Concen: 111.290 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.6	47.4
85	17.6	13.3	19.9

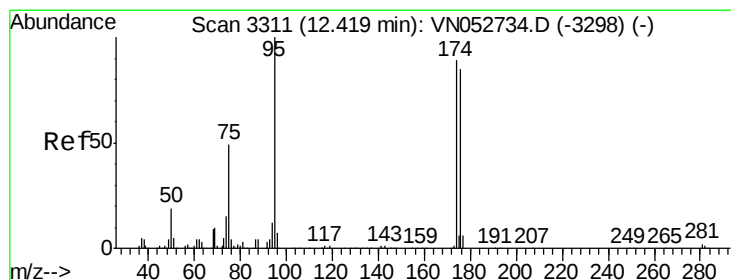
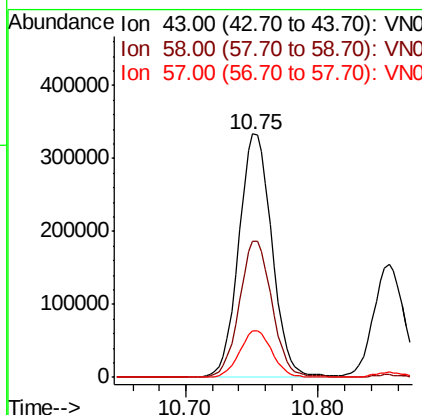
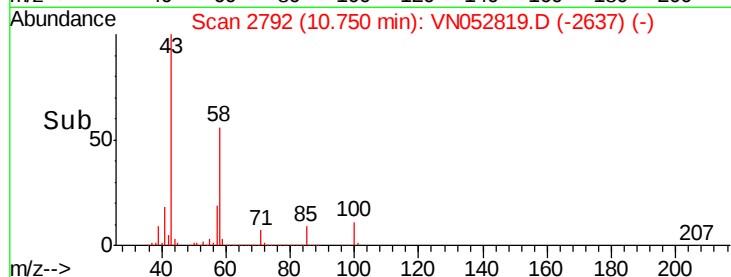
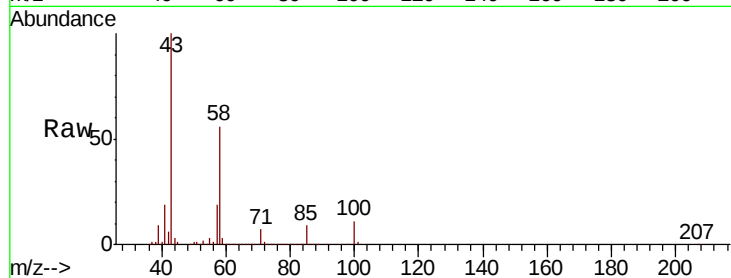




#59
2-Hexanone
Concen: 112.510 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

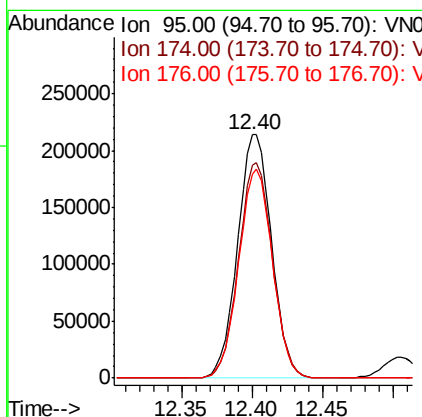
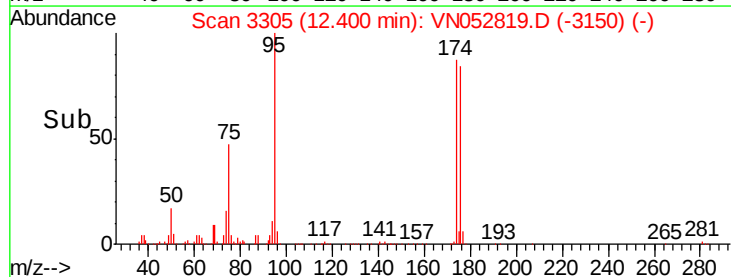
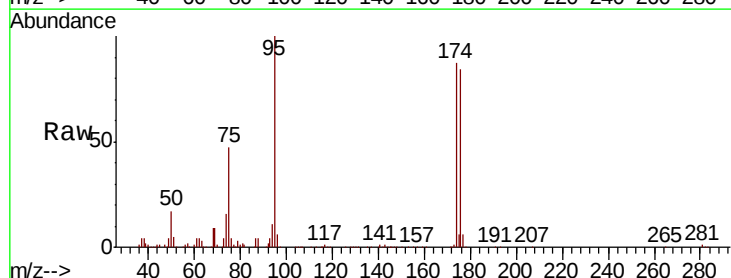
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

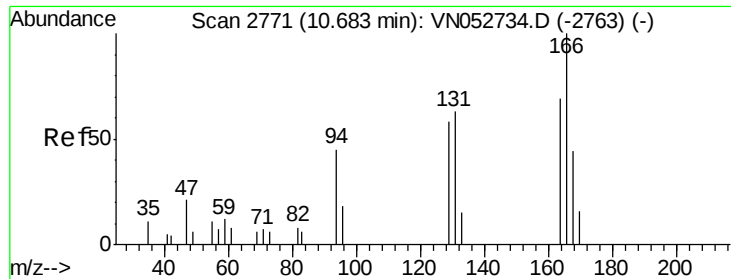
Tot Ion: 43 Resp: 578103
Ion Ratio Lower Upper
43 100
58 55.3 43.2 64.8
57 18.8 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 112.510 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 95 Resp: 361122
Ion Ratio Lower Upper
95 100
174 88.1 67.9 101.9
176 85.4 66.4 99.6

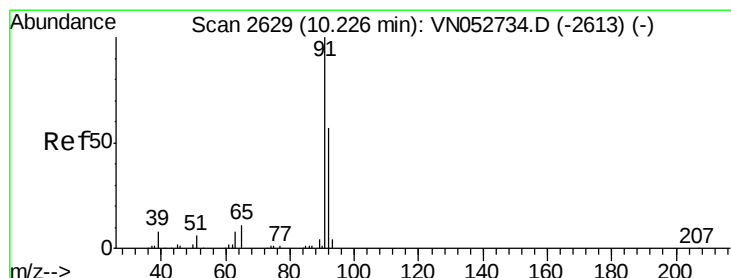
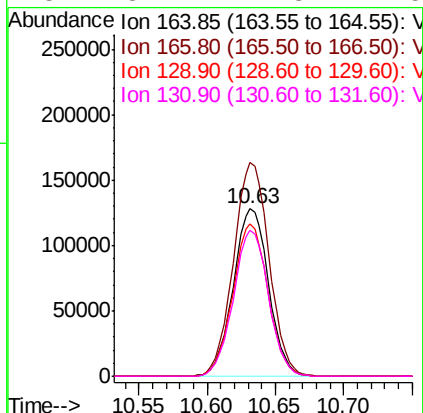
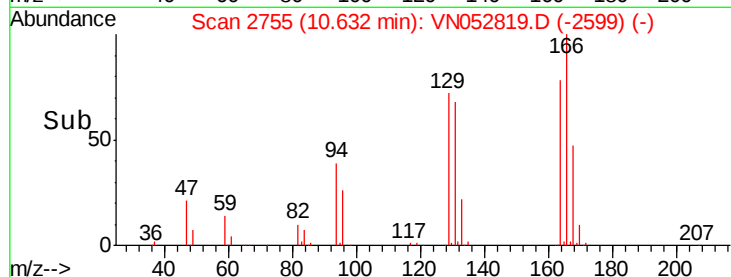
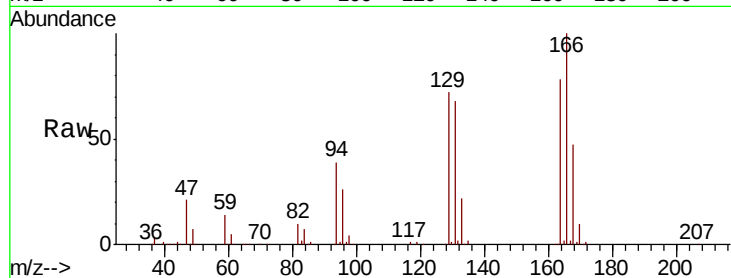




#61
Tetrachloroethene
Concen: 23.984 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

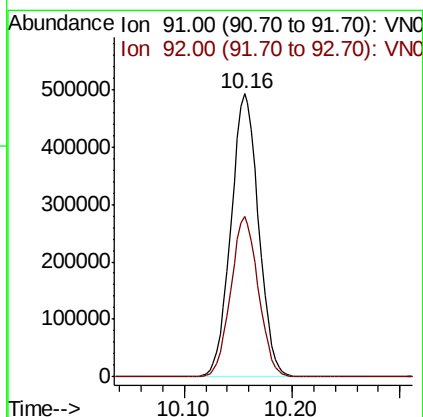
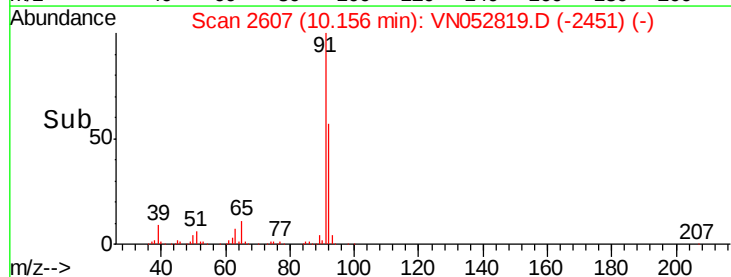
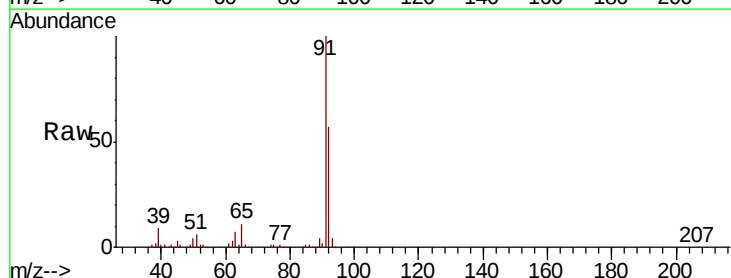
Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

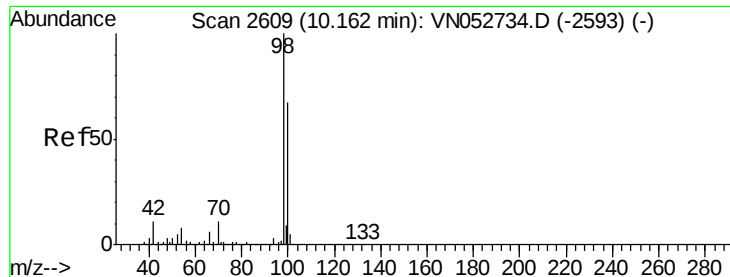
Tot Ion:164 Resp: 229186
Ion Ratio Lower Upper
164 100
166 127.7 104.6 157.0
129 91.5 75.3 112.9
131 87.4 74.3 111.5



#62
Toluene
Concen: 20.582 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 91 Resp: 880314
Ion Ratio Lower Upper
91 100
92 56.5 45.4 68.2





#63

Toluene-d8

Concen: 20.582 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

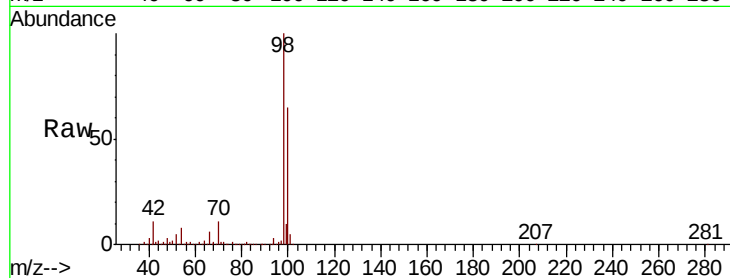
VN1212WBS01

Tot Ion: 98 Resp: 1053852

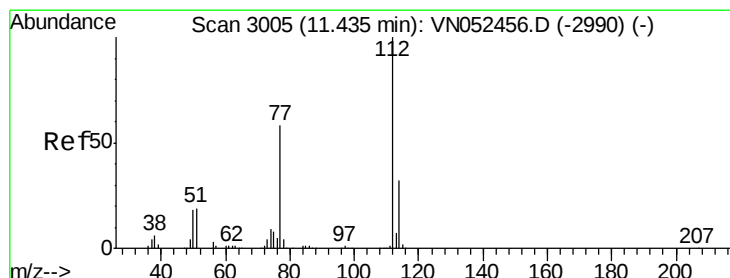
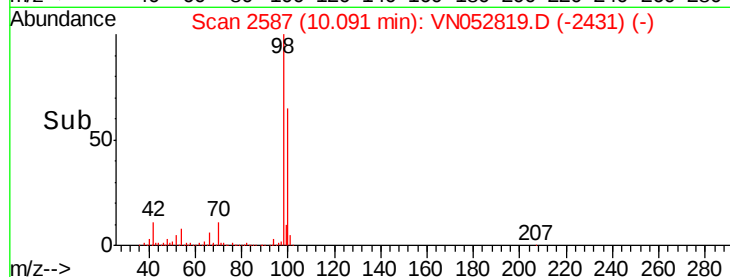
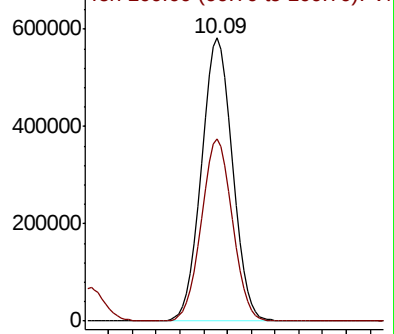
Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052819.D (-2593) (-)



#64

Chlorobenzene

Concen: 20.768 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052819.D

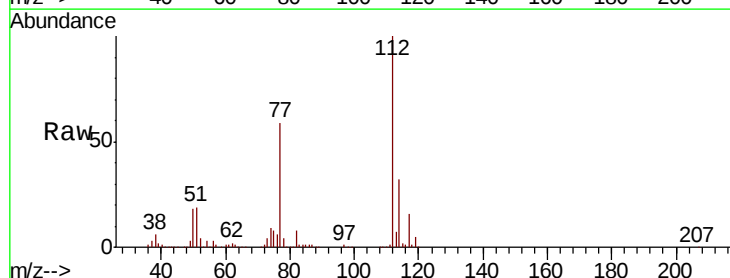
Acq: 12 Dec 2018 11:36

Tgt Ion: 112 Resp: 542181

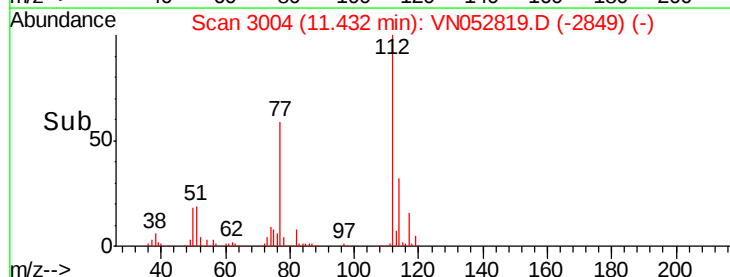
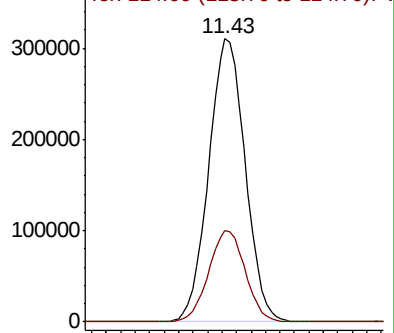
Ion Ratio Lower Upper

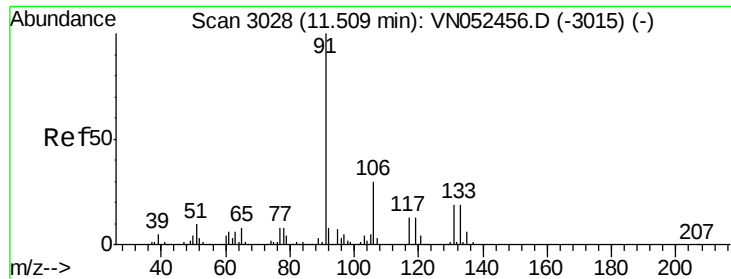
112 100

114 32.1 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN052819.D (-2849) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 21.630 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS01

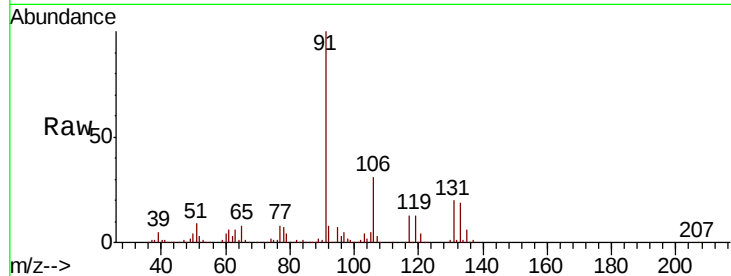
Tot Ion:131 Resp: 196006

Ion Ratio Lower Upper

131 100

133 93.8 0.0 193.4

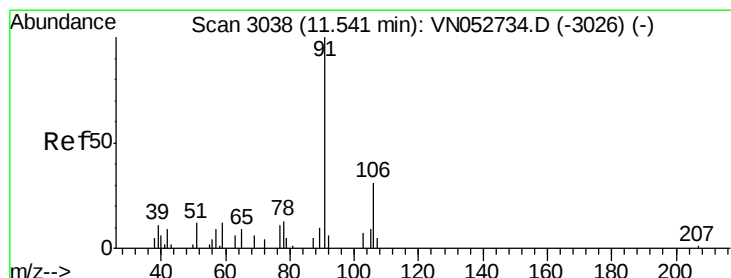
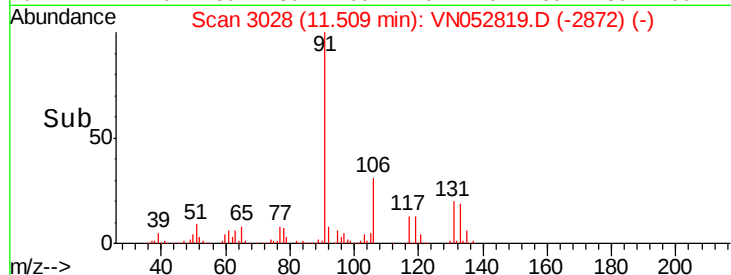
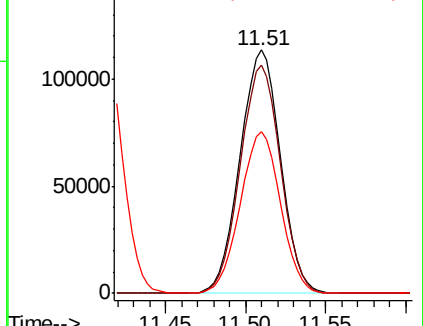
119 66.2 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.465 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052819.D

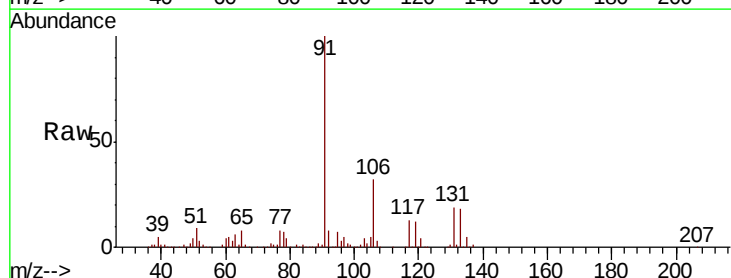
Acq: 12 Dec 2018 11:36

Tgt Ion: 91 Resp: 943394

Ion Ratio Lower Upper

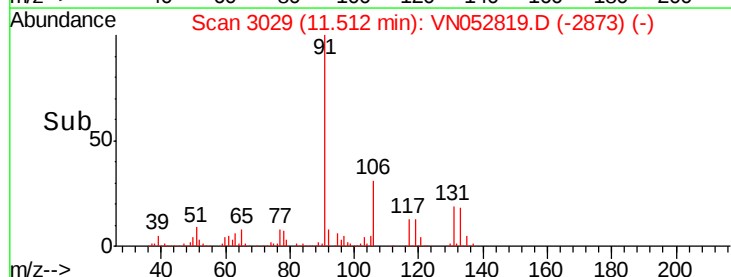
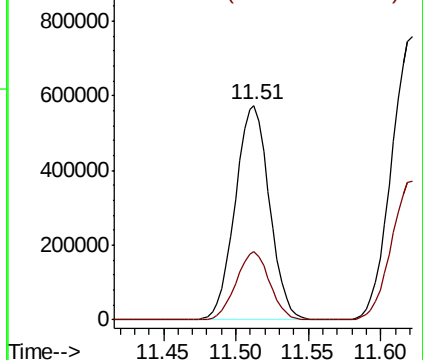
91 100

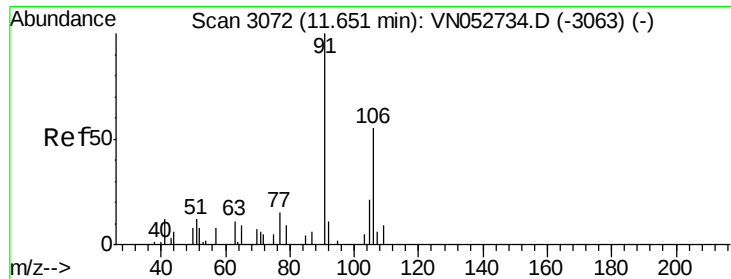
106 31.6 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.619 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

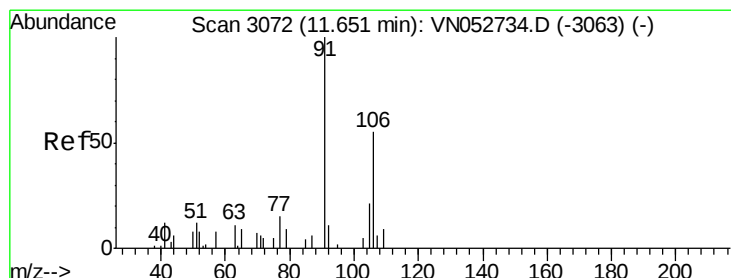
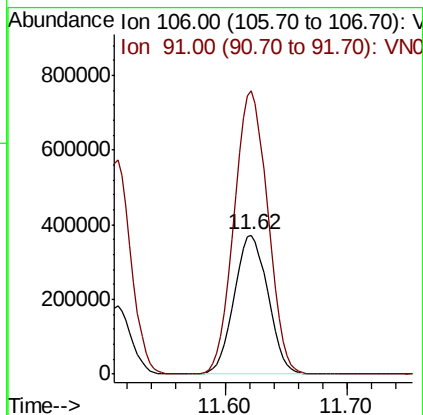
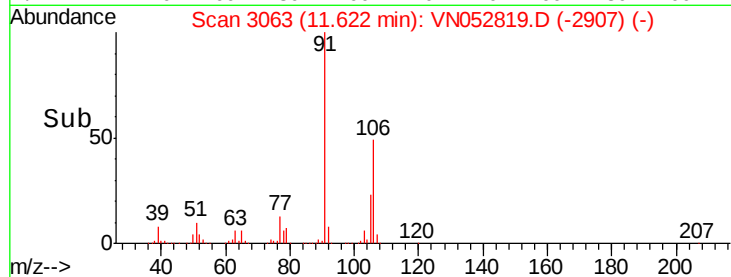
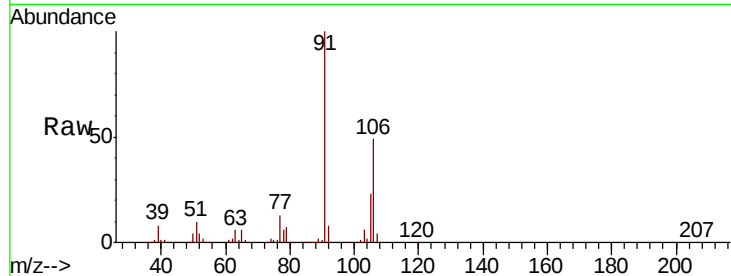
VN1212WBS01

Tot Ion:106 Resp: 714764

Ion Ratio Lower Upper

106 100

91 202.8 163.9 245.9



#68

o-Xylene

Concen: 20.845 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052819.D

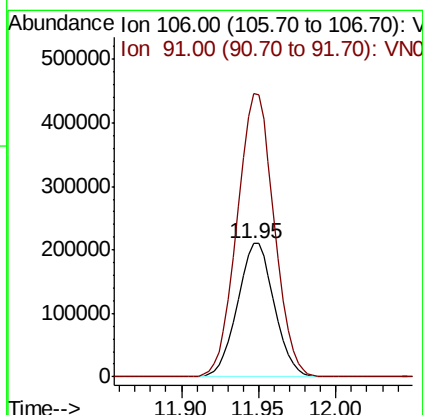
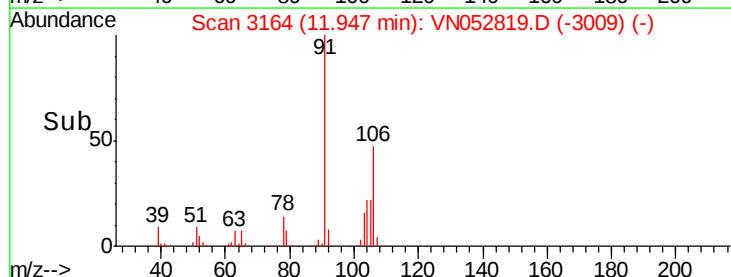
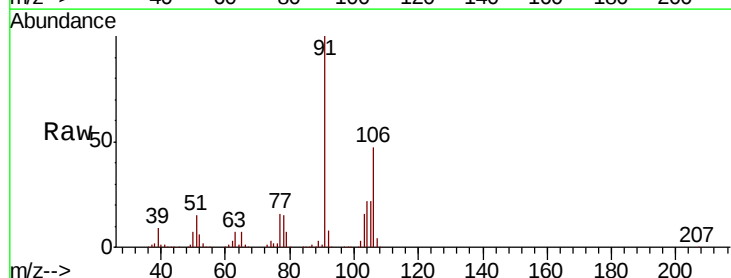
Acq: 12 Dec 2018 11:36

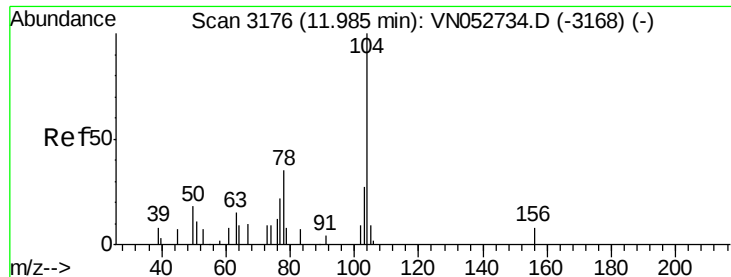
Tgt Ion:106 Resp: 347458

Ion Ratio Lower Upper

106 100

91 213.4 107.8 323.4

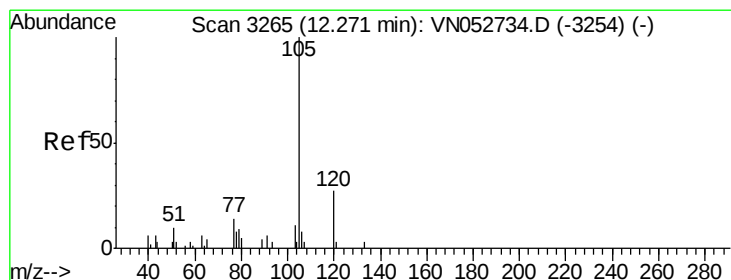
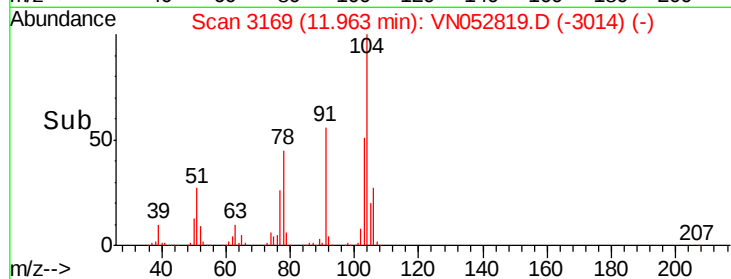
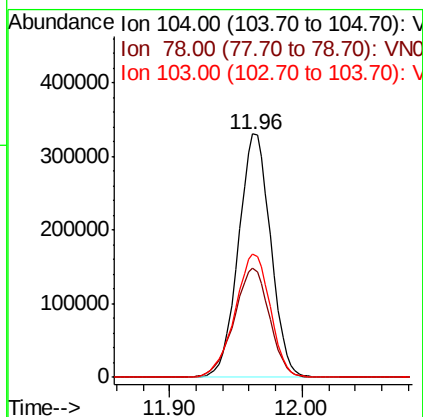
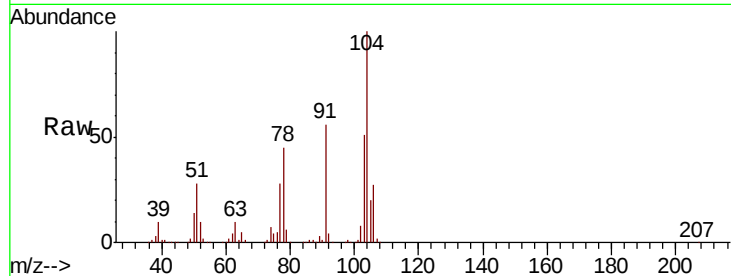




#69
Stvrene
Concen: 20.762 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

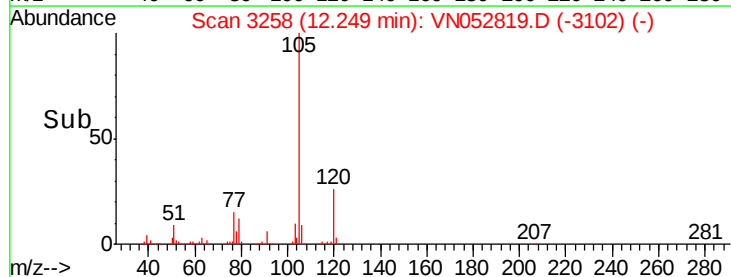
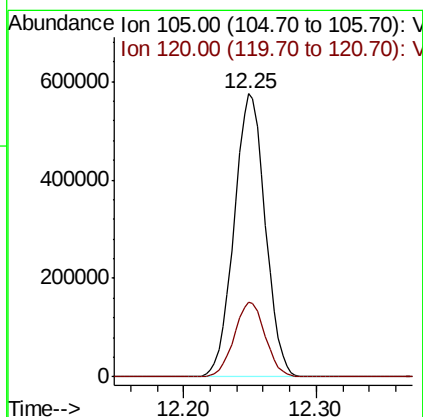
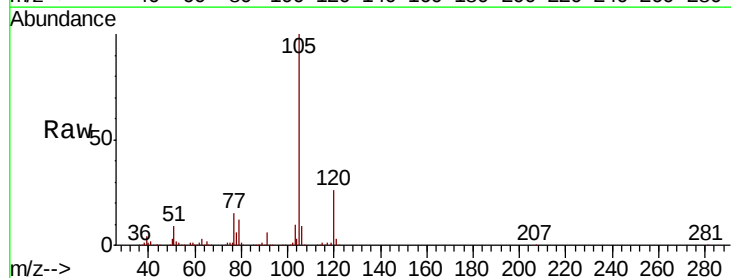
Instrument :
MSVOA_N
ClientSampled :
VN1212WBS01

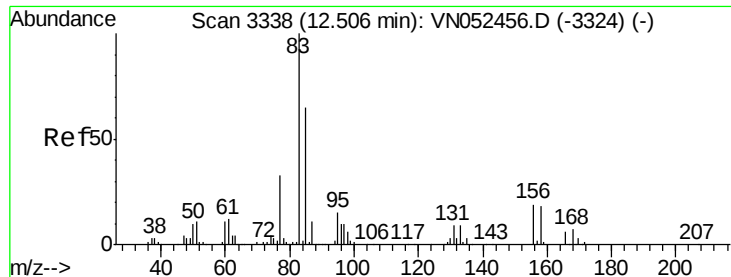
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	55.5	44.6	66.8



#70
Isopropylbenzene
Concen: 21.118 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6

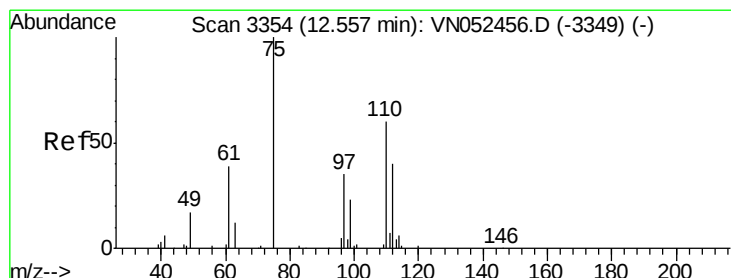
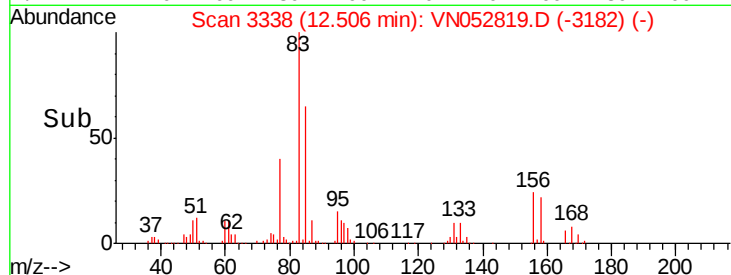
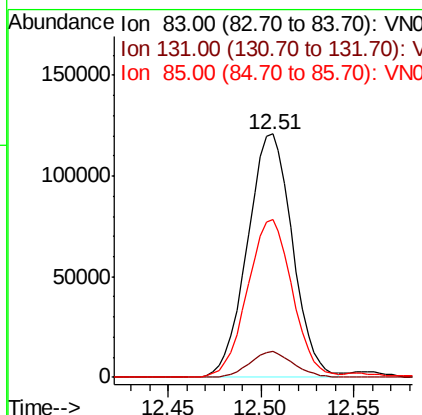
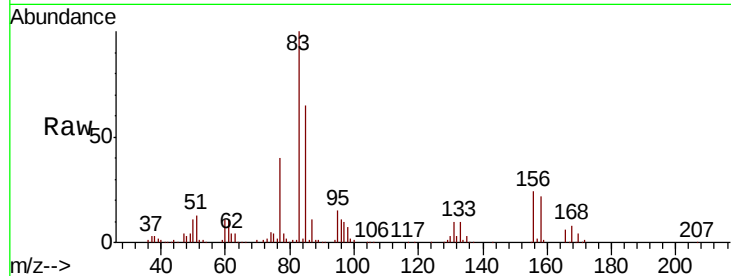




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.129 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

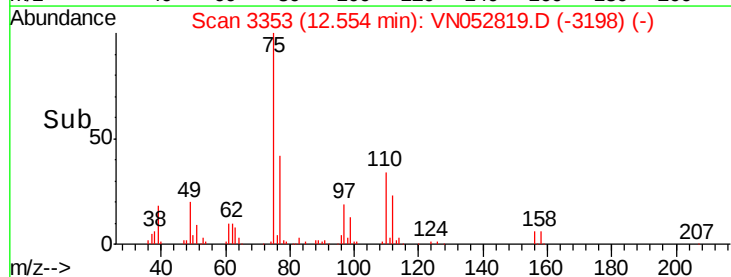
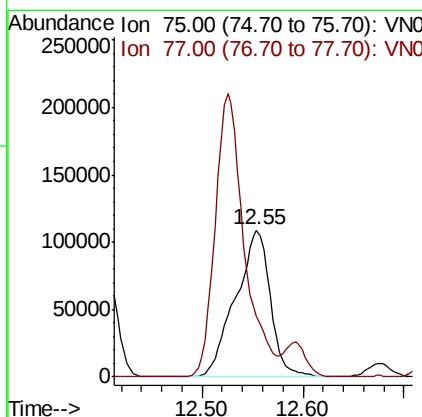
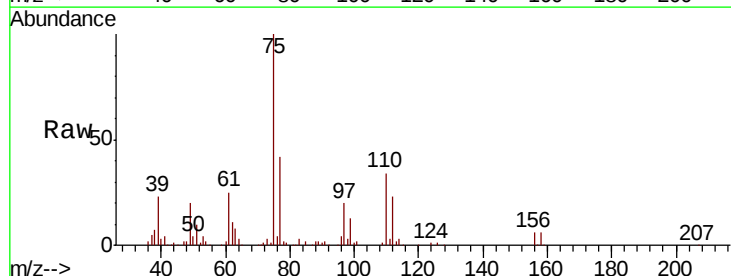
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

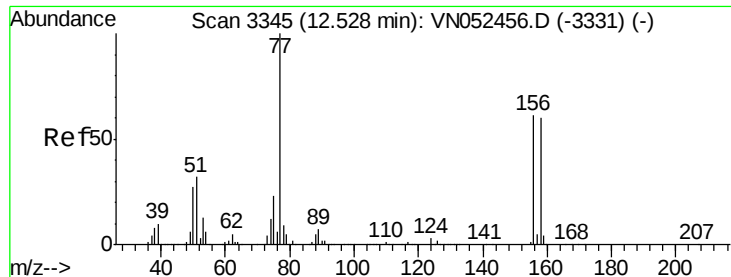
Tot Ion	83	Resp	203845
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.6
85	64.7	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 31.453 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion	75	Resp	260487
Ion Ratio	Lower	Upper	
75	100		
77	161.8	0.0	514.8





#73

Bromobenzene

Concen: 21.943 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBS01

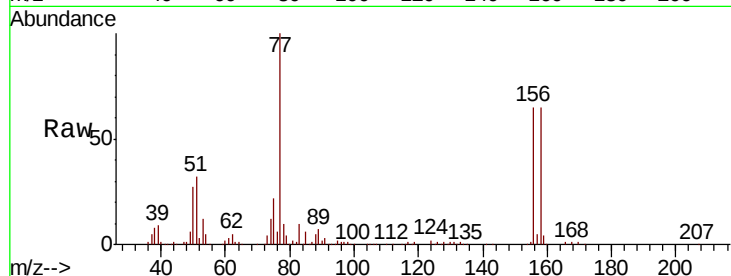
Tot Ion:156 Resp: 235370

Ion Ratio Lower Upper

156 100

77 179.1 0.0 382.6

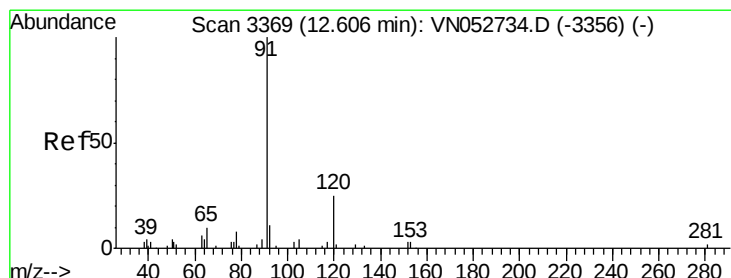
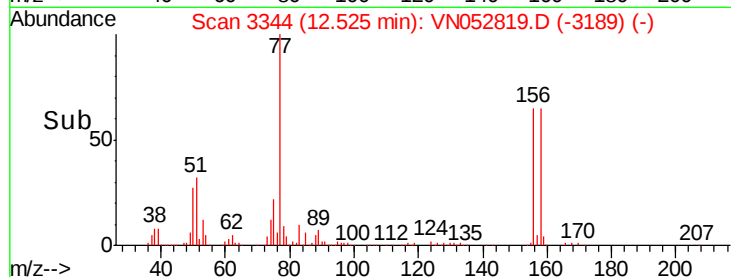
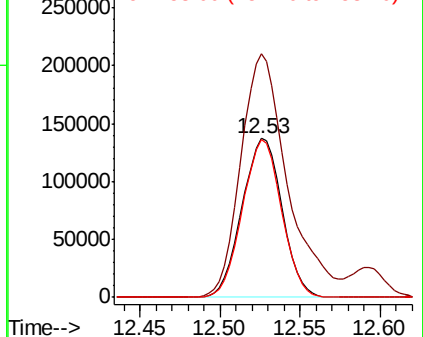
158 96.9 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.697 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052819.D

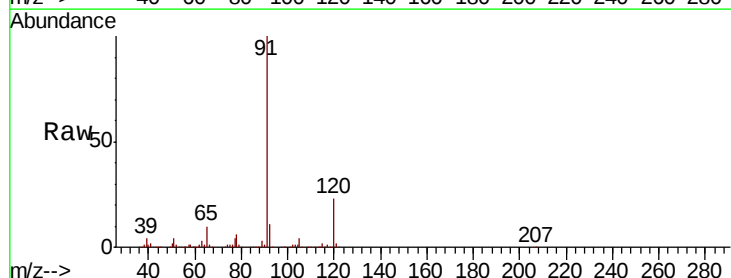
Acq: 12 Dec 2018 11:36

Tgt Ion: 91 Resp: 1069527

Ion Ratio Lower Upper

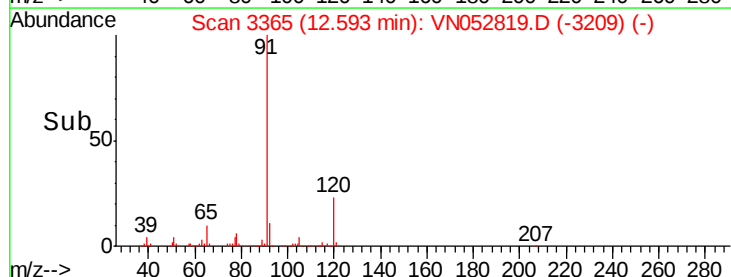
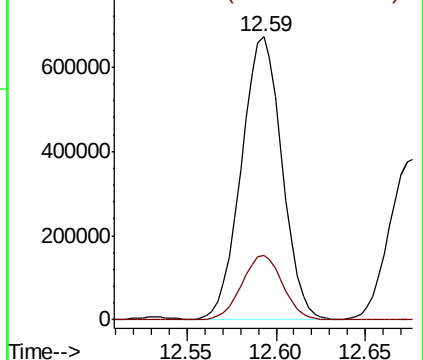
91 100

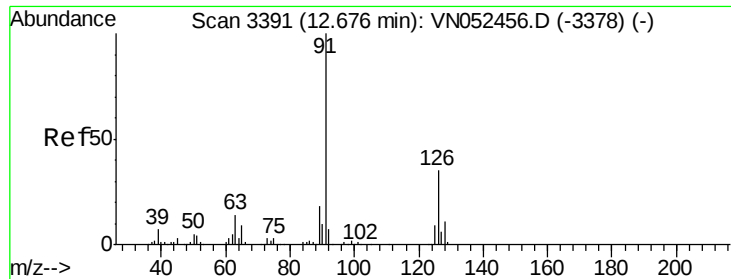
120 23.0 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.132 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

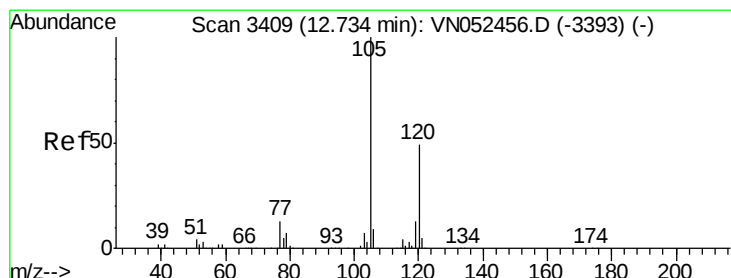
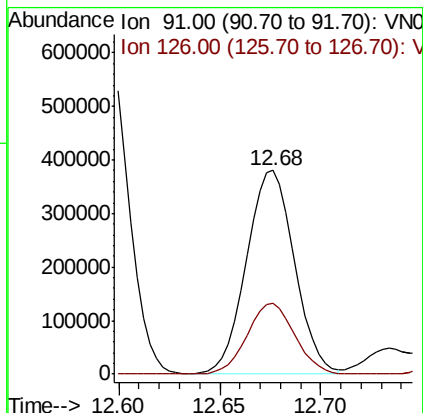
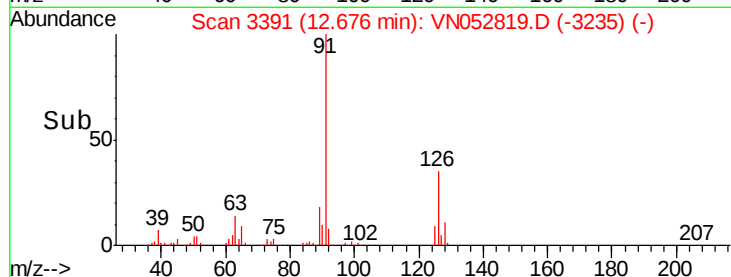
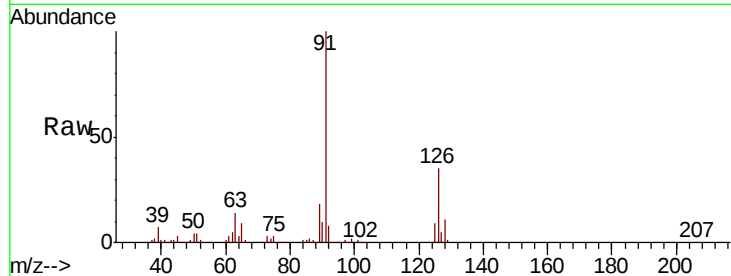
VN1212WBS01

Tot Ion: 91 Resp: 633850

Ion Ratio Lower Upper

91 100

126 34.6 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 21.204 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052819.D

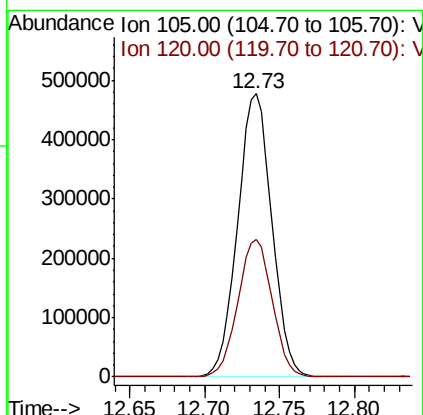
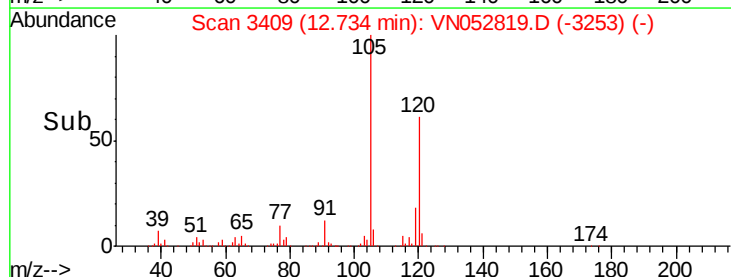
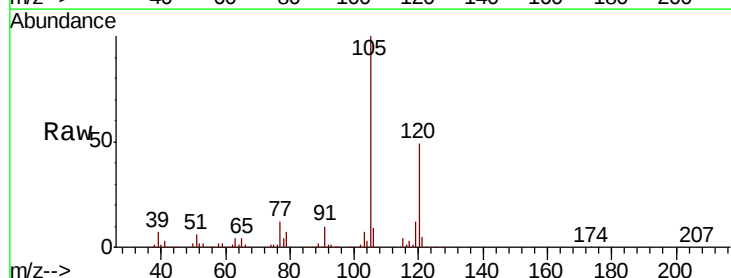
Acq: 12 Dec 2018 11:36

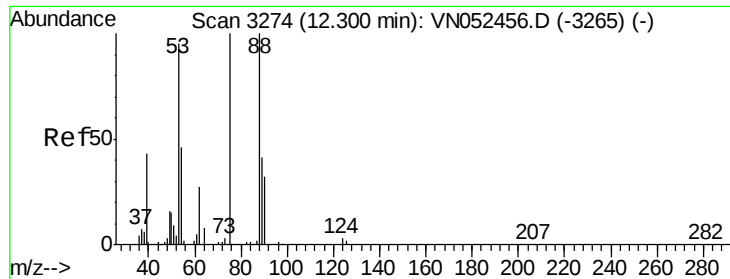
Tgt Ion: 105 Resp: 759562

Ion Ratio Lower Upper

105 100

120 48.9 0.0 97.4



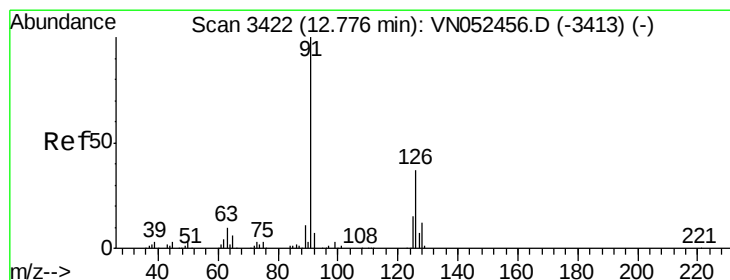
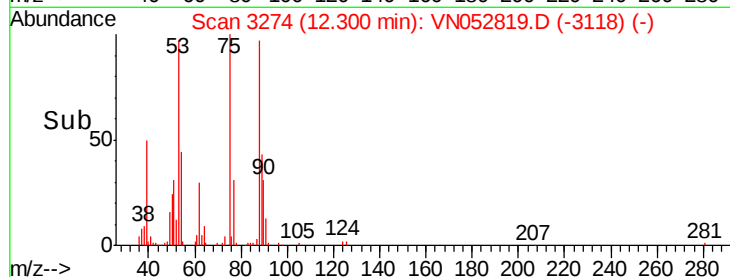
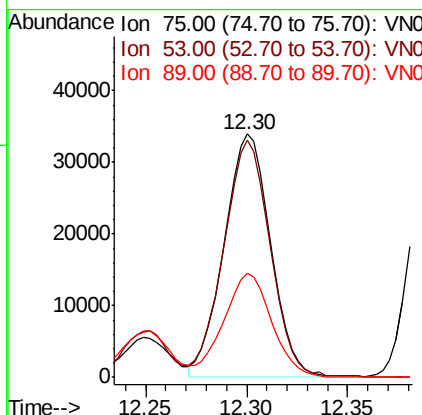
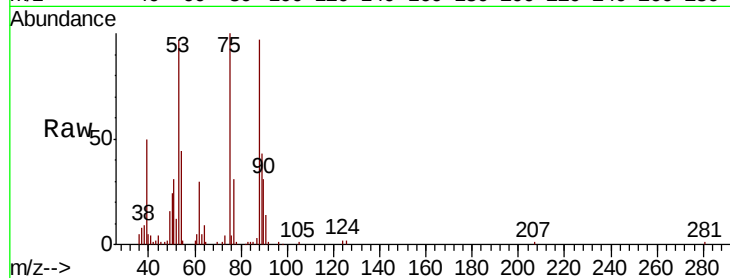


#77
t-1,4-Dichloro-2-butene
Concen: 20.827 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tot Ion: 75 Resp: 54488

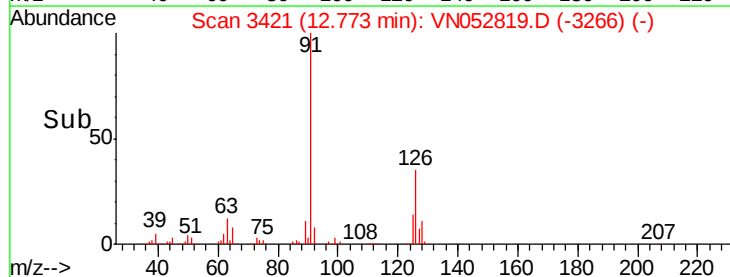
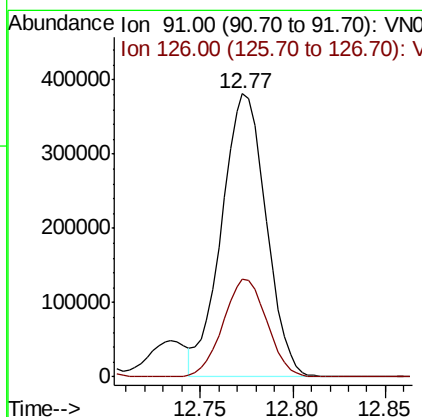
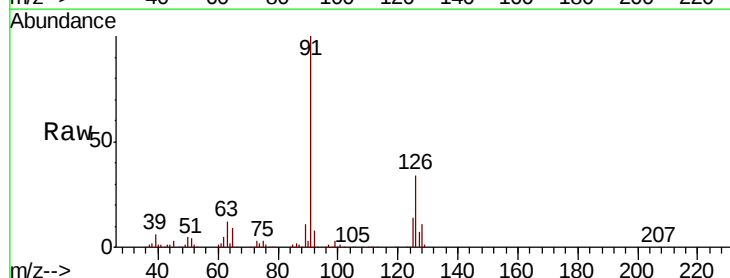
Ion	Ratio	Lower	Upper
75	100		
53	97.1	48.5	145.6
89	42.9	21.7	65.1



#78
4-Chlorotoluene
Concen: 21.193 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 91 Resp: 634802

Ion	Ratio	Lower	Upper
91	100		
126	34.1	0.0	68.2





#79

tert-butylbenzene

Concen: 21.583 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampled :

VN1212WBS01

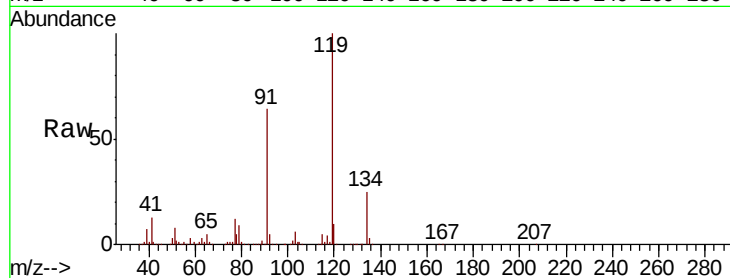
Tot Ion:119 Resp: 673328

Ion Ratio Lower Upper

119 100

91 63.9 0.0 129.8

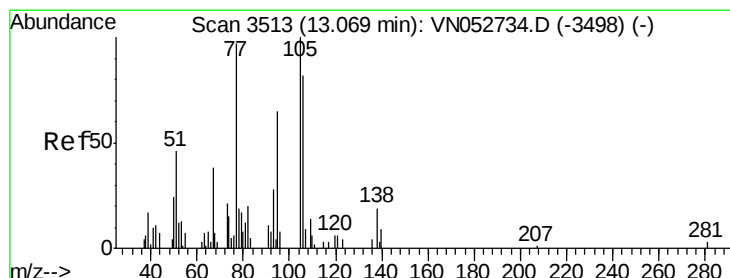
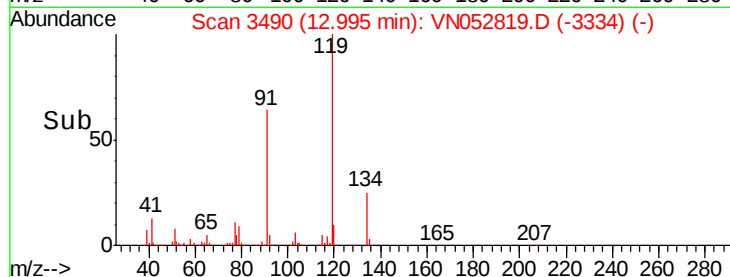
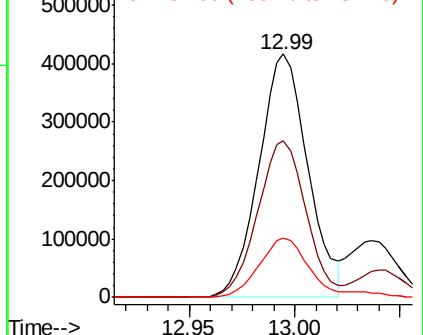
134 25.8 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 21.321 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052819.D

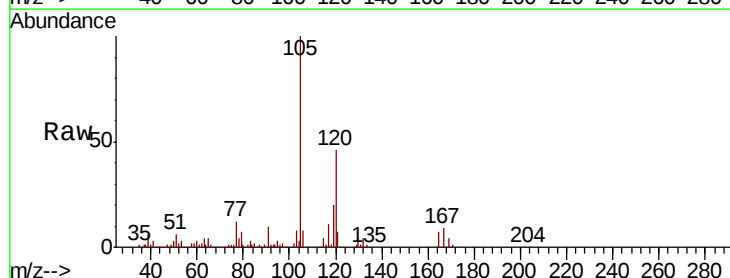
Acq: 12 Dec 2018 11:36

Tgt Ion:105 Resp: 764232

Ion Ratio Lower Upper

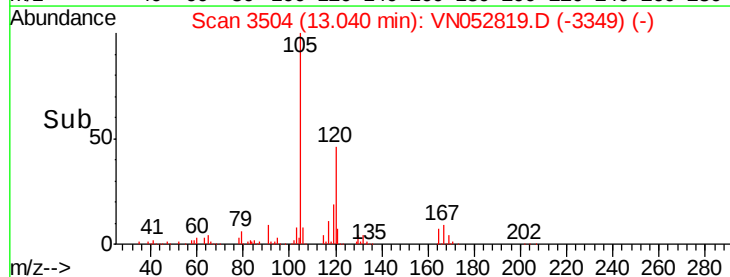
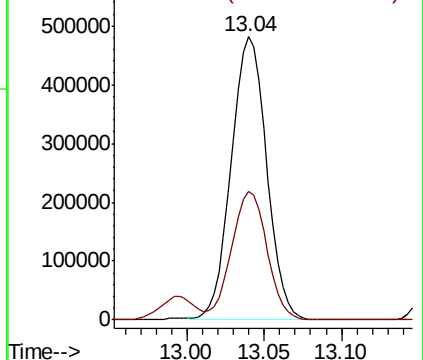
105 100

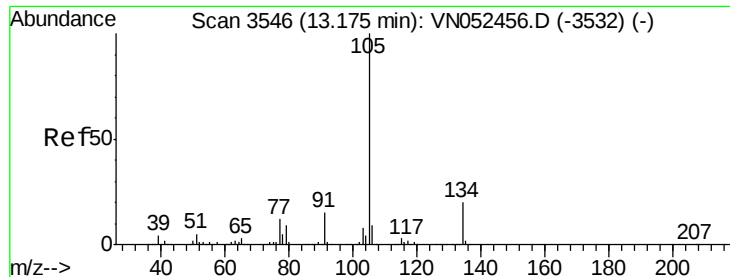
120 45.6 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 21.148 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

Instrument :

MSVOA_N

ClientSampleId :

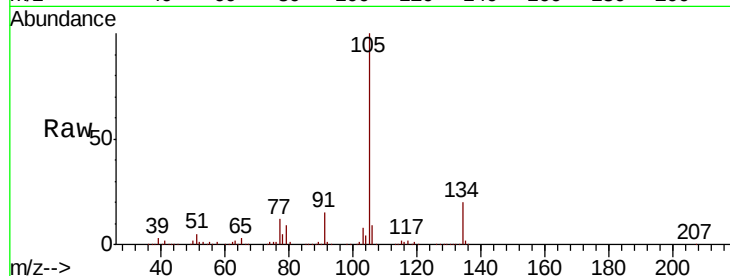
VN1212WBS01

Tot Ion:105 Resp: 918960

Ion Ratio Lower Upper

105 100

134 19.8 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

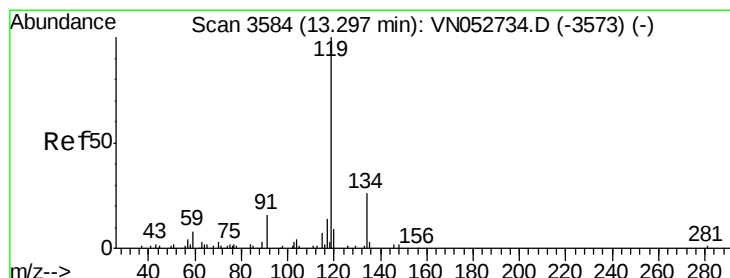
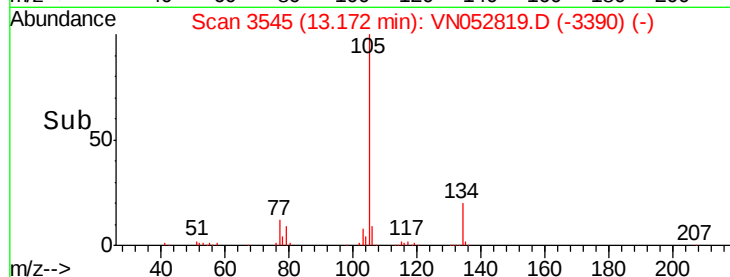
600000

400000

200000

0

Time-->



#82

p-Isopropyltoluene

Concen: 21.198 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052819.D

Acq: 12 Dec 2018 11:36

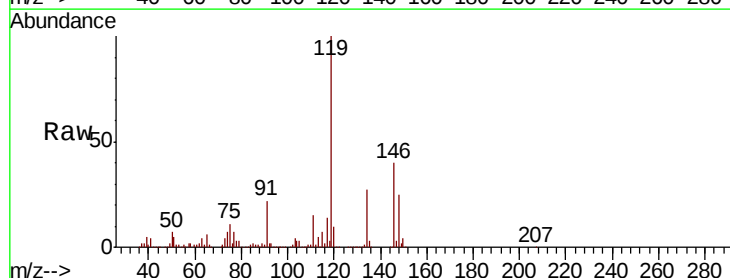
Tgt Ion:119 Resp: 784373

Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.6

91 22.5 0.0 46.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

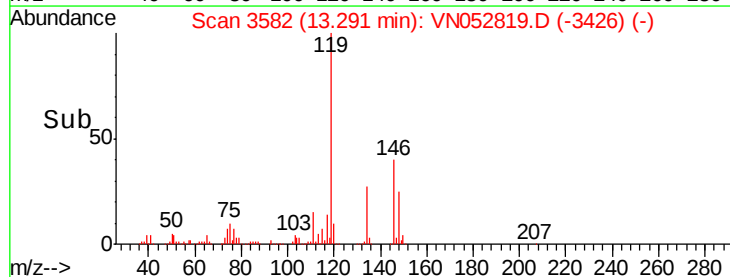
600000

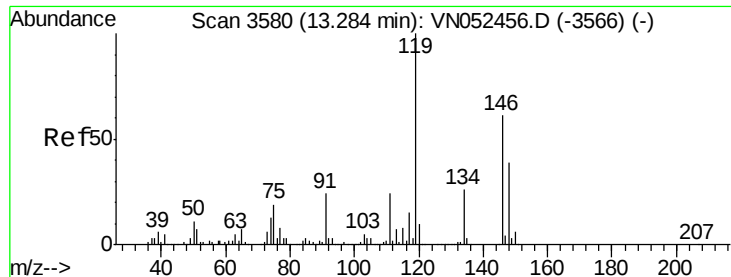
400000

200000

0

Time-->

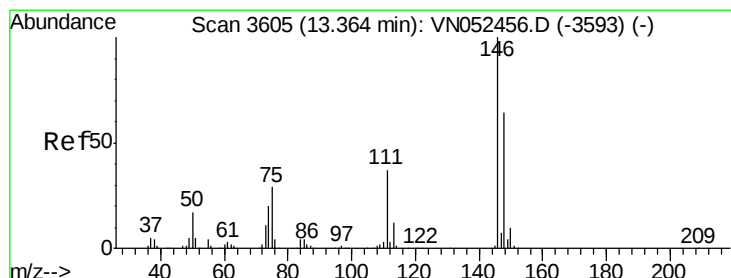
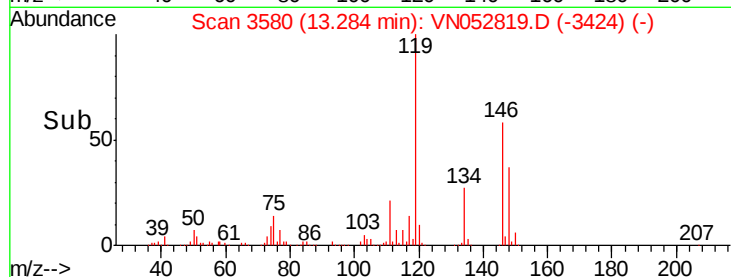
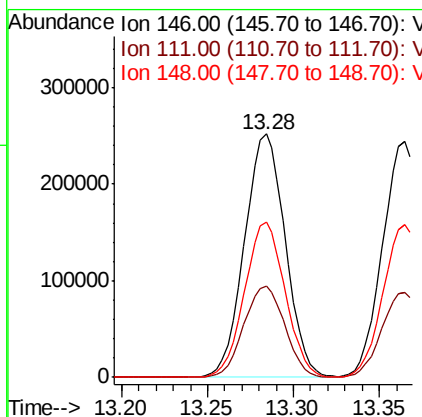
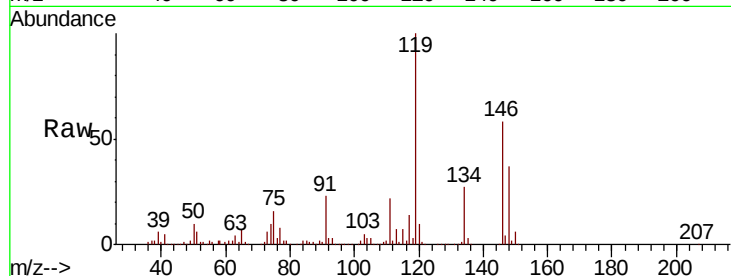




#83
 1,3-Dichlorobenzene
 Concen: 22.020 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

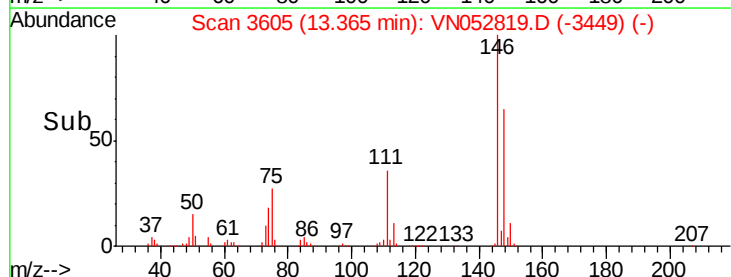
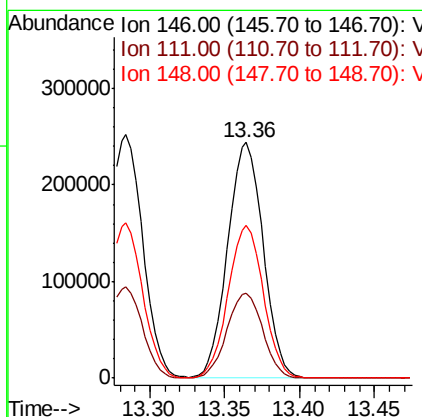
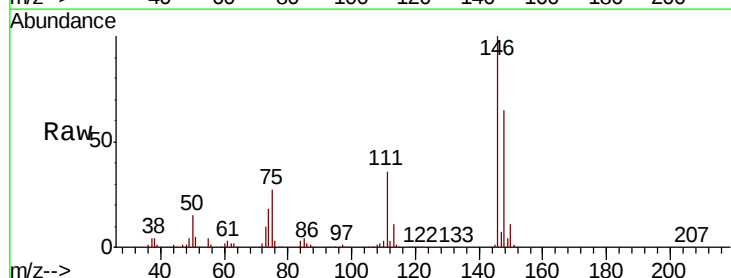
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

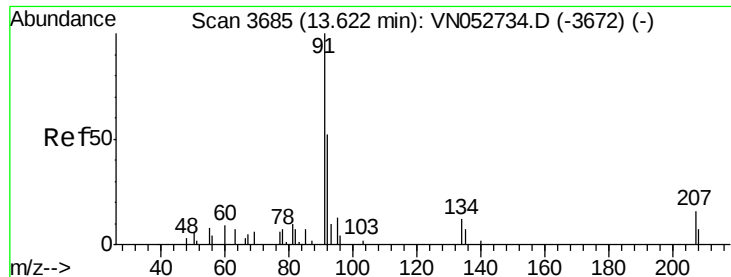
Tot Ion:146 Resp: 415415
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.7 59.0
 148 63.2 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 22.201 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion:146 Resp: 404649
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.8 56.3
 148 64.2 32.5 97.4

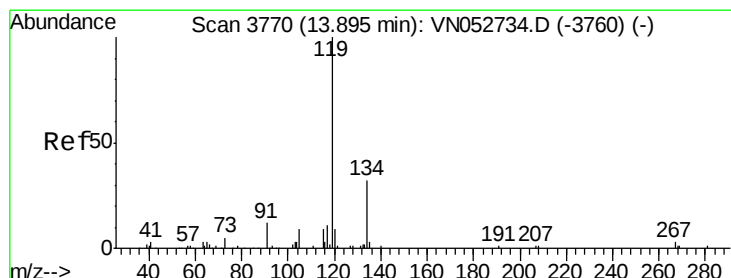
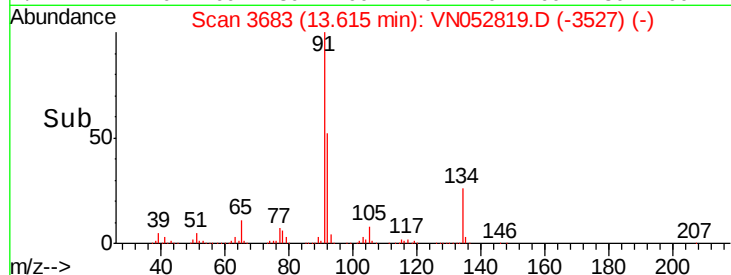
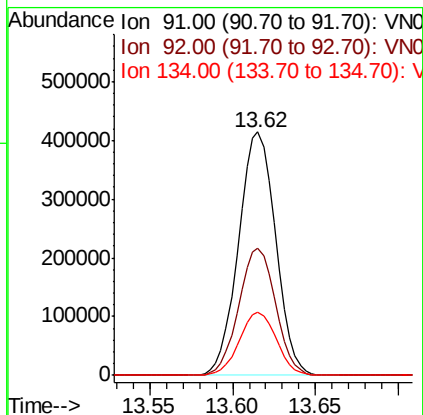
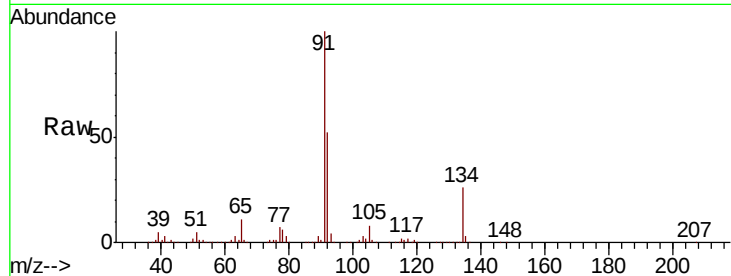




#85
n-Butylbenzene
Concen: 20.316 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

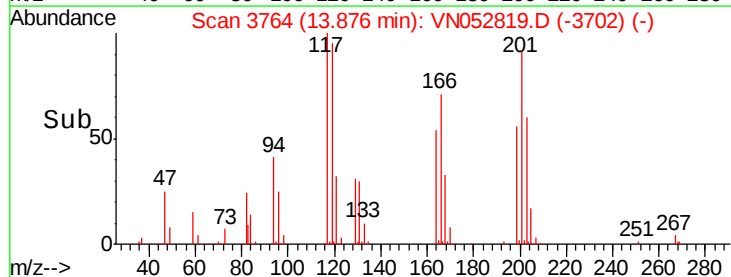
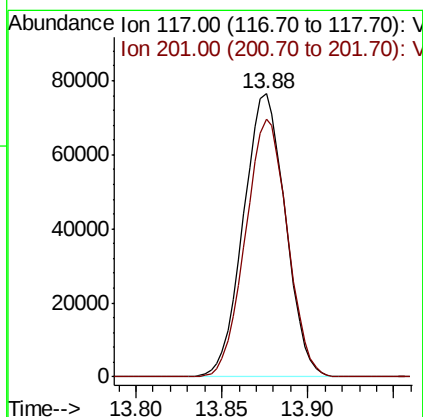
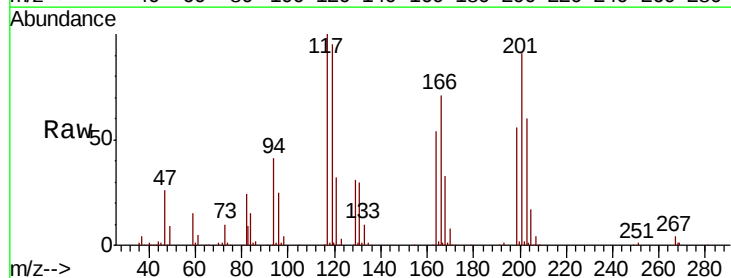
Instrument :
MSVOA_N
ClientSampled :
VN1212WBS01

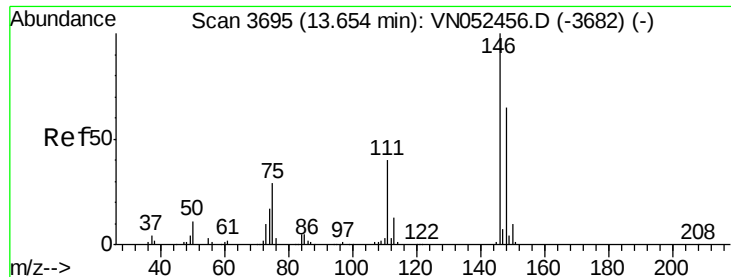
Tot Ion: 91 Resp: 645713
Ion Ratio Lower Upper
91 100
92 51.9 0.0 104.2
134 25.9 0.0 50.6



#86
Hexachloroethane
Concen: 20.726 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion: 117 Resp: 129937
Ion Ratio Lower Upper
117 100
201 90.8 43.8 131.3

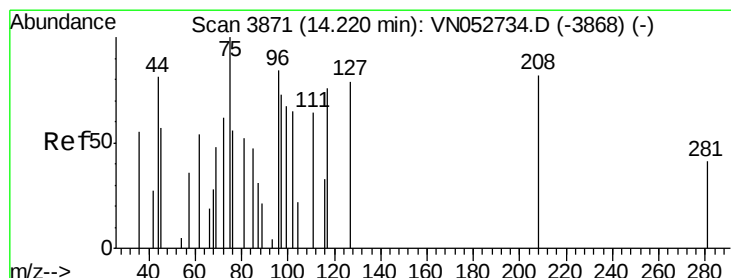
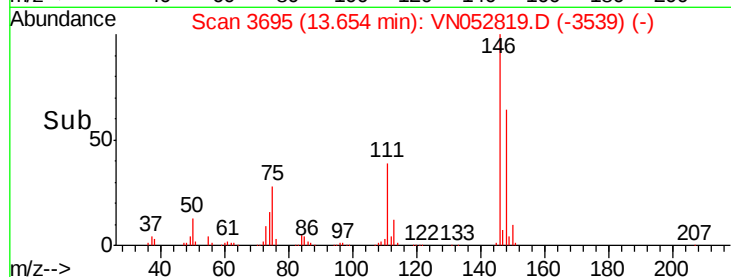
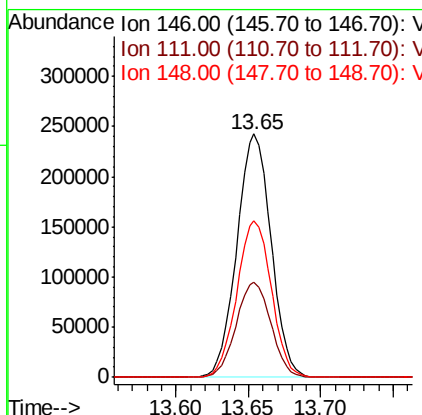
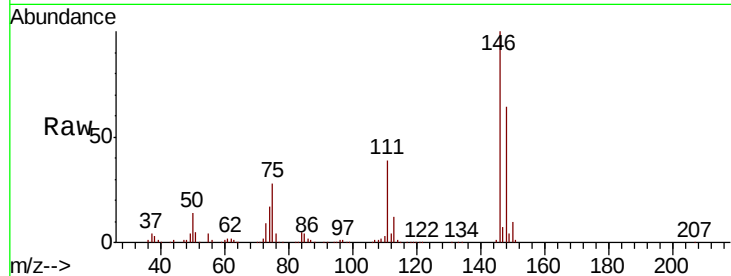




#87
 1,2-Dichlorobenzene
 Concen: 22.161 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

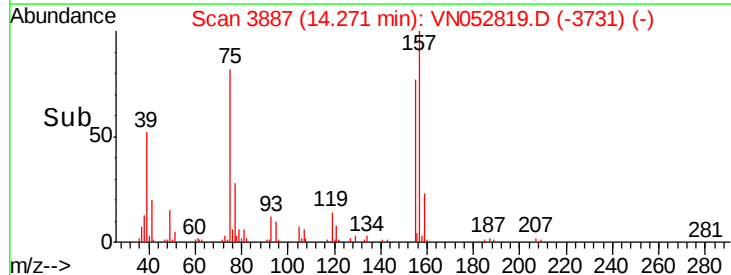
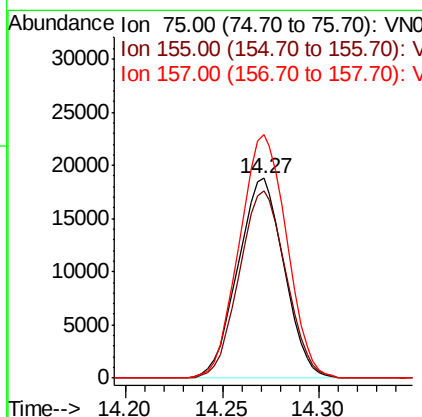
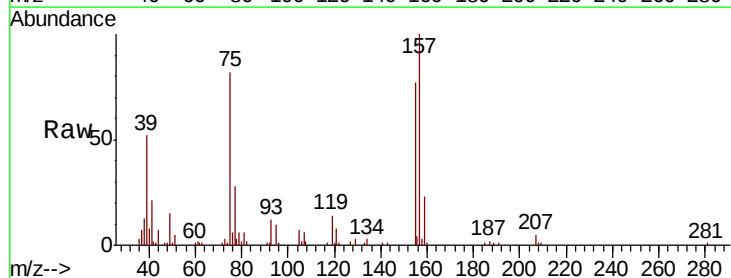
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

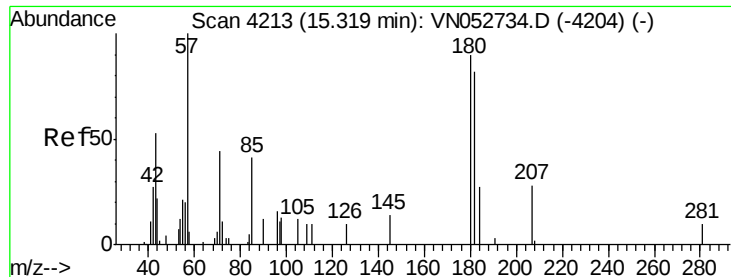
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.8
148	64.9	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 23.163 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.5	72.2	108.2
157	124.6	94.2	141.2

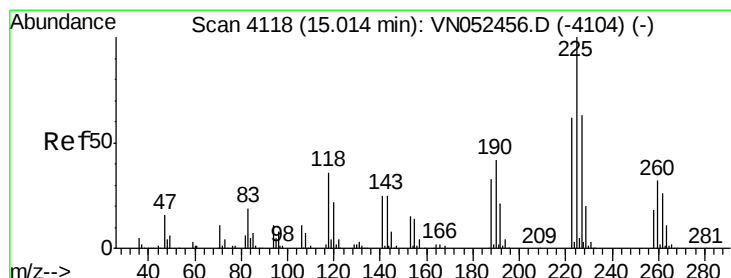
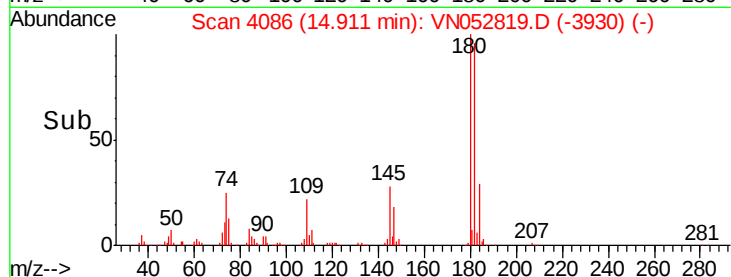
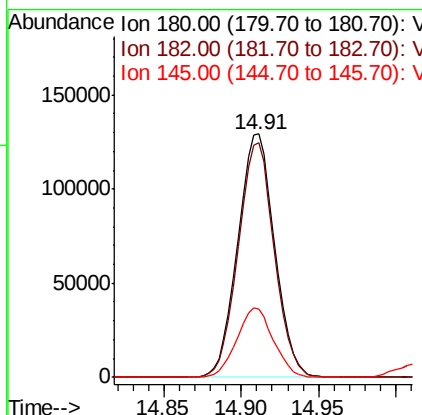
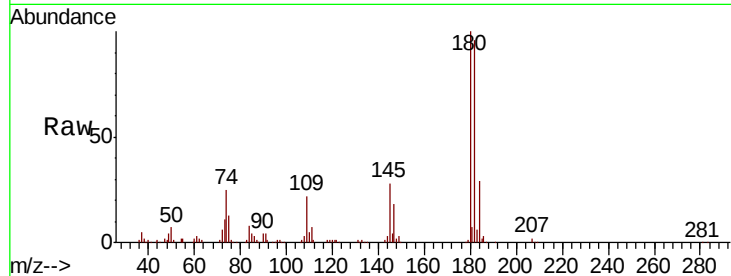




#89
 1,2,4-Trichlorobenzene
 Concen: 24.148 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

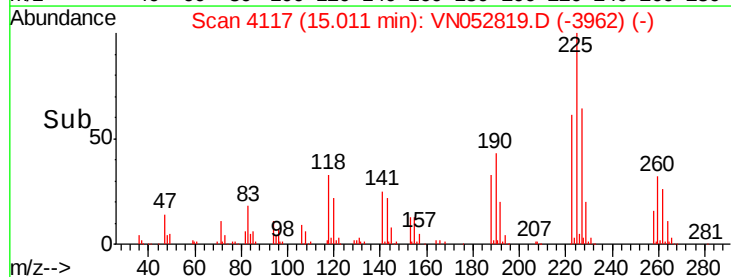
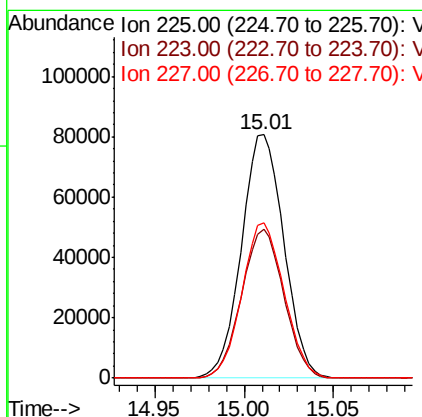
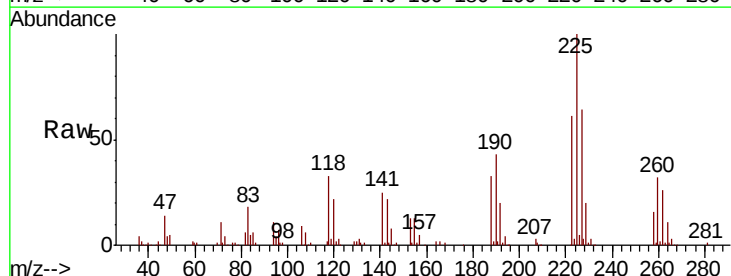
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBS01

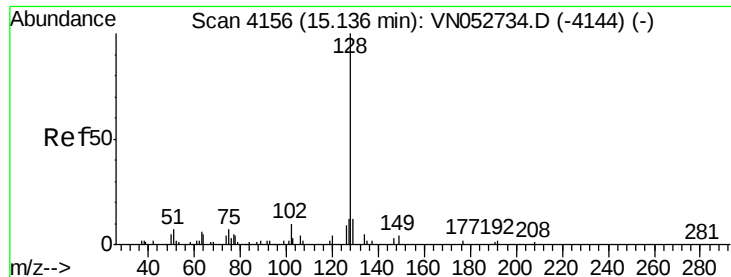
Tot Ion:180 Resp: 213587
 Ion Ratio Lower Upper
 180 100
 182 94.8 76.6 114.8
 145 28.3 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 23.172 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052819.D
 Acq: 12 Dec 2018 11:36

Tgt Ion:225 Resp: 134449
 Ion Ratio Lower Upper
 225 100
 223 61.1 0.0 125.6
 227 63.2 0.0 127.8

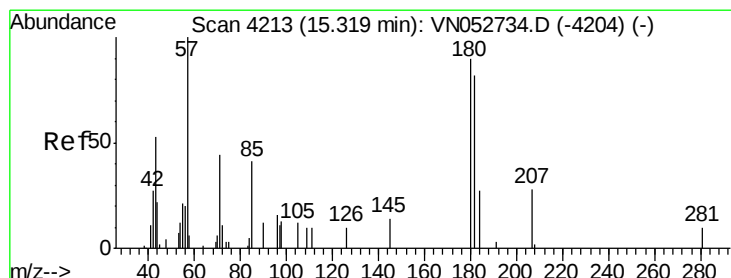
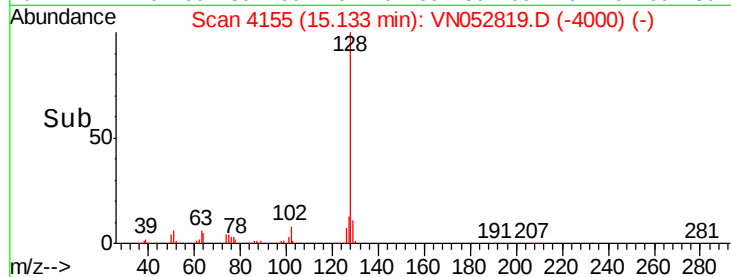
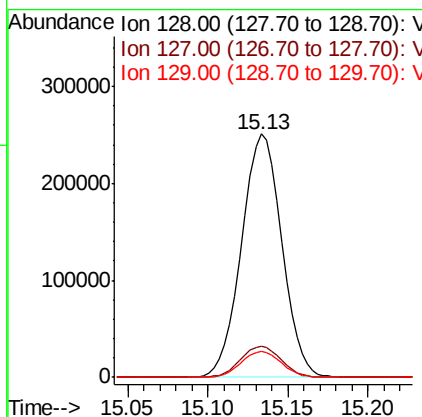
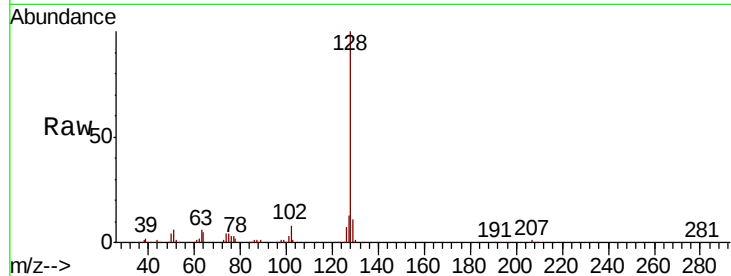




#91
Naphthalene
Concen: 24.137 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBS01

Tot Ion:128 Resp: 431120
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 10.6 8.5 12.7



#92
1,2,3-Trichlorobenzene
Concen: 24.253 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052819.D
Acq: 12 Dec 2018 11:36

Tgt Ion:180 Resp: 197683
Ion Ratio Lower Upper
180 100
182 95.5 0.0 196.2
145 30.4 0.0 62.2

