

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053470.D
 Acq On : 18 Jan 2019 14:23
 Operator : JC/SP
 Sample : VN0118WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

Quant Time: Jan 19 00:21:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	833670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1225239	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1108839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	539445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	412644	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.59	113	365418	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.09	98	1503792	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	525871	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	133072	19.853	ug/l	99
3) Chloromethane	2.06	50	174949	18.256	ug/l	99
4) Vinyl Chloride	2.19	62	174179	18.855	ug/l	99
5) Bromomethane	2.58	94	118913	18.761	ug/l	97
6) Chloroethane	2.71	64	103120	18.463	ug/l	97
7) Trichlorofluoromethane	3.03	101	239982	19.861	ug/l	99
8) Diethyl Ether	3.42	74	90241	19.885	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	158783	20.750	ug/l	98
10) Methyl Iodide	3.96	142	218033	18.645	ug/l	99
11) Tert butyl alcohol	4.79	59	43953	109.010	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	143635	19.352	ug/l	98
13) Acrolein	3.61	56	58999	90.906	ug/l	99
14) Allyl chloride	4.33	41	235123	19.502	ug/l	99
15) Acrylonitrile	4.99	53	269832	101.689	ug/l	99
16) Acetone	3.82	43	205377	106.234	ug/l	98
17) Carbon Disulfide	4.06	76	416409	18.552	ug/l	100
18) Methyl Acetate	4.33	43	131786	20.233	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	397235	20.142	ug/l	99
20) Methylene Chloride	4.56	84	167990	19.033	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	156799	19.760	ug/l	97
22) Diisopropyl ether	5.95	45	505359	20.079	ug/l	98
23) Vinyl Acetate	5.90	43	1553588	100.417	ug/l	99
24) 1,1-Dichloroethane	5.85	63	299713	20.144	ug/l	99
25) 2-Butanone	6.84	43	313089	105.093	ug/l	99
26) 2,2-Dichloropropane	6.83	77	223351	19.882	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	183300	20.200	ug/l	99
28) Bromochloromethane	7.20	49	115363	17.600	ug/l	99
29) Tetrahydrofuran	7.21	42	199445	102.836	ug/l	99
30) Chloroform	7.37	83	293852	20.271	ug/l	97
31) Cyclohexane	7.66	56	281031	19.271	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	244942	19.919	ug/l	99
36) 1,1-Dichloropropene	7.80	75	225974	20.251	ug/l	99
37) Ethyl Acetate	6.93	43	134532	20.956	ug/l	99
38) Carbon Tetrachloride	7.78	117	212282	20.095	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	279650	20.277	ug/l	97
40) Benzene	8.04	78	684589	20.189	ug/l	99
41) Methacrylonitrile	7.17	41	75003	20.067	ug/l	96
42) 1,2-Dichloroethane	8.13	62	204244	20.676	ug/l	100
43) Isopropyl Acetate	8.16	43	247787	21.466	ug/l	98
44) Trichloroethene	8.84	130	190821	20.293	ug/l	100
45) 1,2-Dichloropropane	9.12	63	182787	20.352	ug/l	99
46) Dibromomethane	9.21	93	104755	20.301	ug/l	99
47) Bromodichloromethane	9.40	83	219144	20.195	ug/l	97
48) Methyl methacrylate	9.20	41	119760	20.093	ug/l	99
49) 1,4-Dioxane	9.20	88	25369	435.830	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	669315	106.215	ug/l	100
52) Toluene	10.16	92	427285	20.298	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	222232	20.204	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	259724	20.143	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	152010	20.945	ug/l	99
56) Ethyl methacrylate	10.43	69	191104	19.848	ug/l	99
57) 1,3-Dichloropropane	10.71	76	256977	20.468	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	509768	100.400	ug/l	100
59) 2-Hexanone	10.75	43	469955	106.238	ug/l	100
60) Dibromochloromethane	10.90	129	167302	20.324	ug/l	100
61) 1,2-Dibromoethane	11.01	107	149745	20.401	ug/l	100
64) Tetrachloroethene	10.63	164	210213	20.117	ug/l	99
65) Chlorobenzene	11.43	112	476757	20.313	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165684	20.292	ug/l	99
67) Ethyl Benzene	11.51	91	811556	20.289	ug/l	99
68) m/p-Xylenes	11.62	106	630403	41.743	ug/l	99
69) o-Xylene	11.95	106	299676	20.422	ug/l	100
70) Styrene	11.96	104	501480	21.056	ug/l	100
71) Bromoform	12.13	173	115379	20.526	ug/l #	99
73) Isopropylbenzene	12.25	105	808208	20.459	ug/l	100
74) N-amyl acetate	12.07	43	216160	20.526	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	174226	21.029	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	229997	32.354	ug/l #	100
77) Bromobenzene	12.53	156	212444	20.409	ug/l	99
78) n-propylbenzene	12.59	91	935607	20.633	ug/l	99
79) 2-Chlorotoluene	12.68	91	551237	20.509	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	666031	20.722	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51029	19.779	ug/l	97
82) 4-Chlorotoluene	12.77	91	563447	20.556	ug/l	100
83) tert-Butylbenzene	12.99	119	585553	20.627	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	673228	20.773	ug/l	100
85) sec-Butylbenzene	13.17	105	813016	20.883	ug/l	100
86) p-Isopropyltoluene	13.29	119	706739	20.907	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	375568	20.511	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	373227	20.320	ug/l	99
89) n-Butylbenzene	13.62	91	591300	20.520	ug/l	100
90) Hexachloroethane	13.88	117	105056	19.815	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	349445	20.744	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22736	21.643	ug/l	96

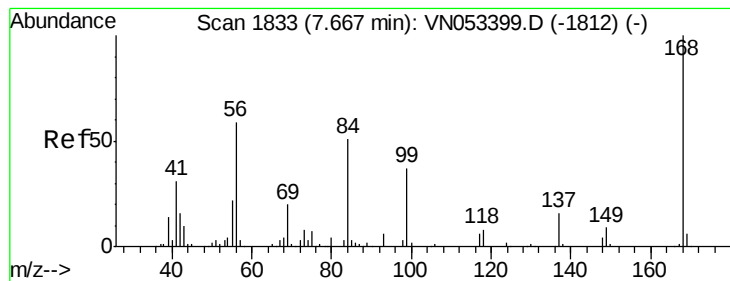
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	154533	22.407	ug/l	99
94) Hexachlorobutadiene	15.01	225	119650	22.769	ug/l	100
95) Naphthalene	15.13	128	248994	21.528	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	114992	23.397	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

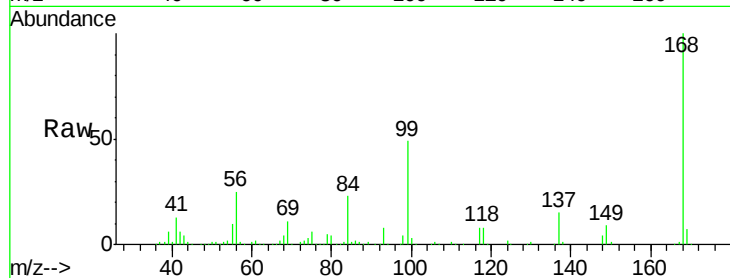
VN0118WBS02

Tot Ion:168 Resp: 833670

Ion Ratio Lower Upper

168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

300000

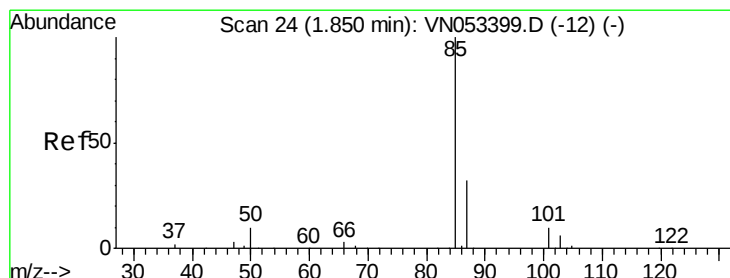
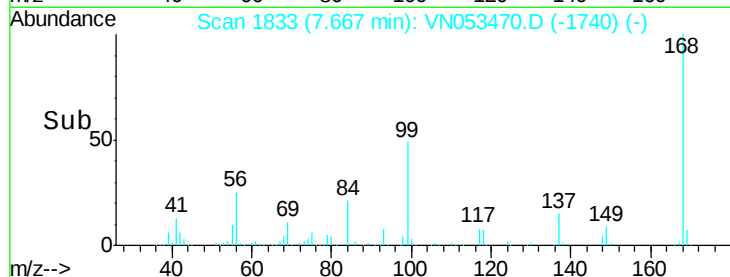
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.853 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN053470.D

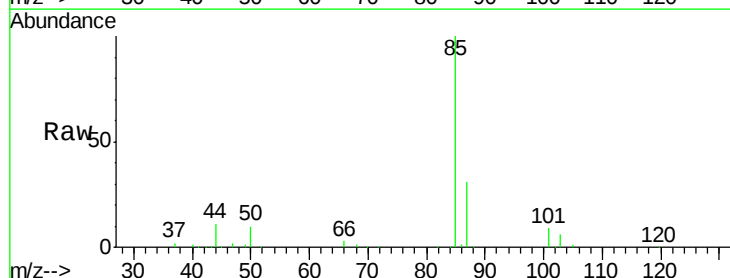
Acq: 18 Jan 2019 14:23

Tgt Ion: 85 Resp: 133072

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

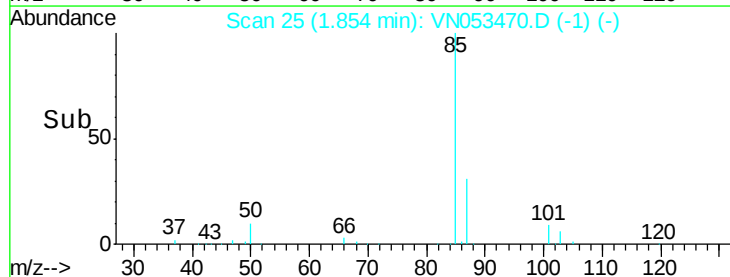
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.256 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

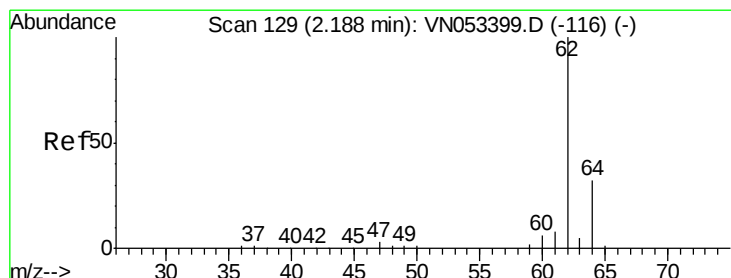
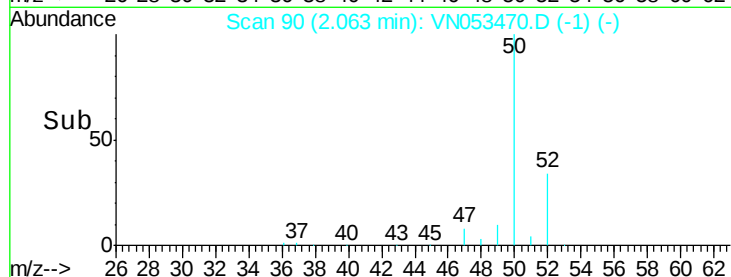
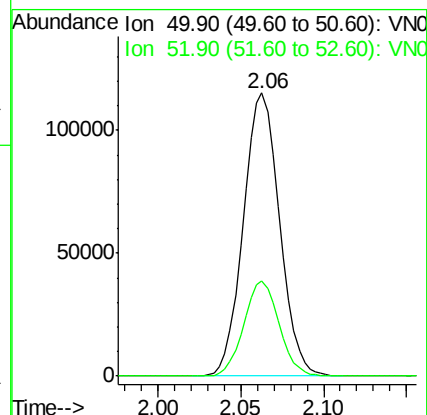
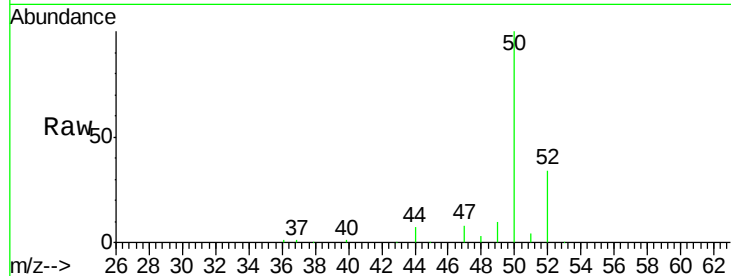
VN0118WBS02

Tot Ion: 50 Resp: 174949

Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0



#4

Vinyl Chloride

Concen: 18.855 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053470.D

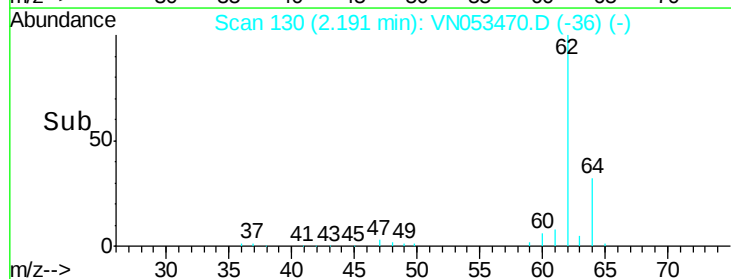
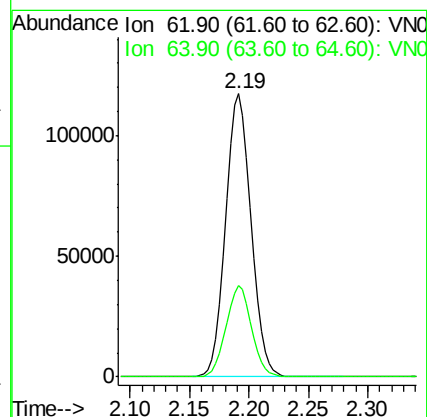
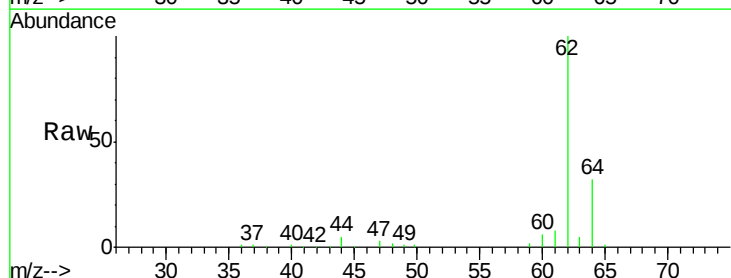
Acq: 18 Jan 2019 14:23

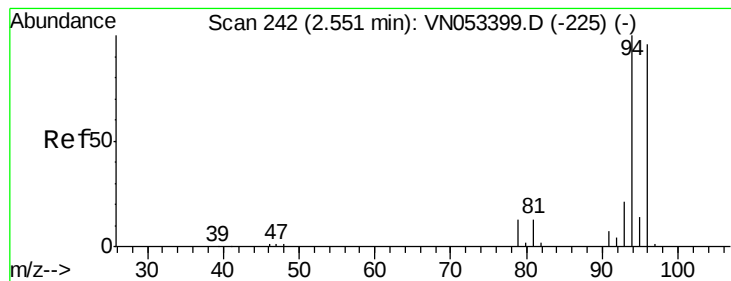
Tgt Ion: 62 Resp: 174179

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 18.761 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.03 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

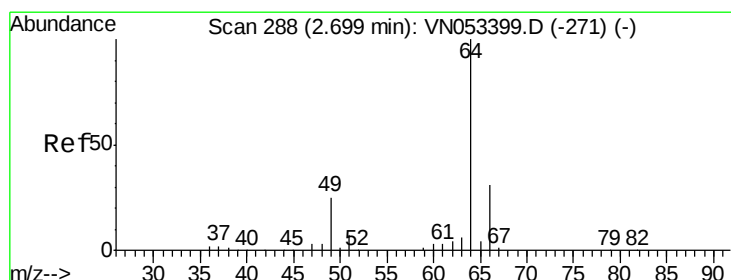
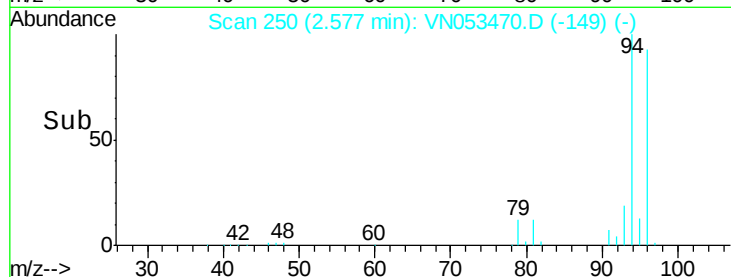
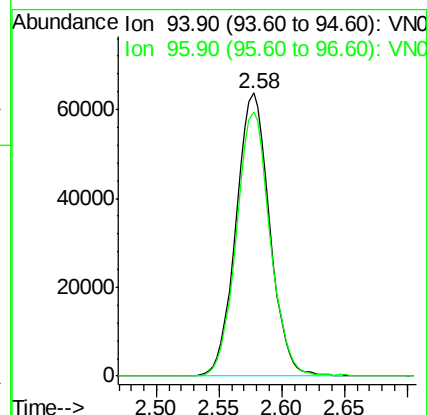
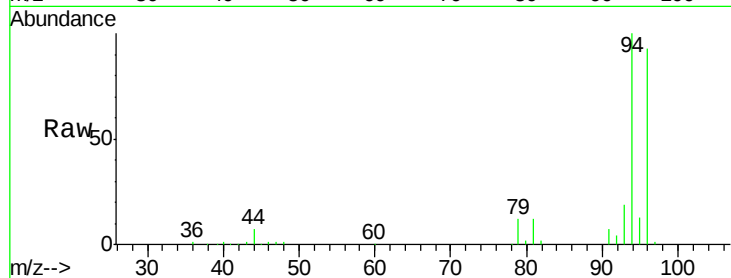
VN0118WBS02

Tot Ion: 94 Resp: 118913

Ion Ratio Lower Upper

94 100

96 93.3 76.8 115.2



#6

Chloroethane

Concen: 18.463 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053470.D

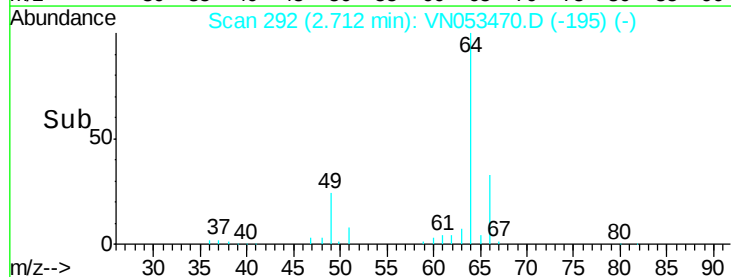
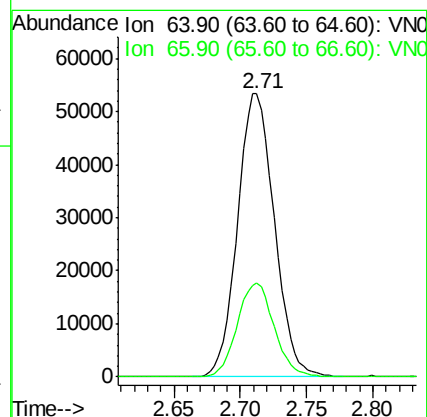
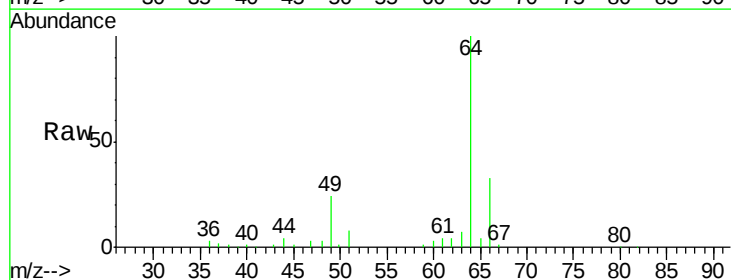
Acq: 18 Jan 2019 14:23

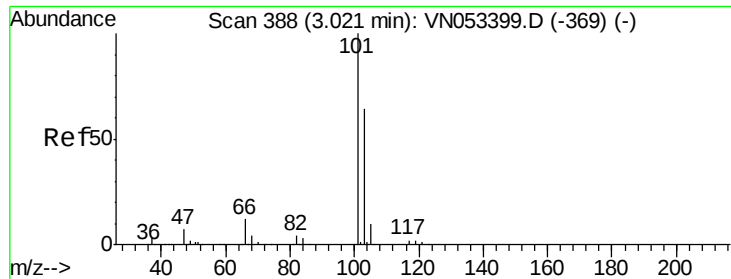
Tgt Ion: 64 Resp: 103120

Ion Ratio Lower Upper

64 100

66 33.0 25.1 37.7



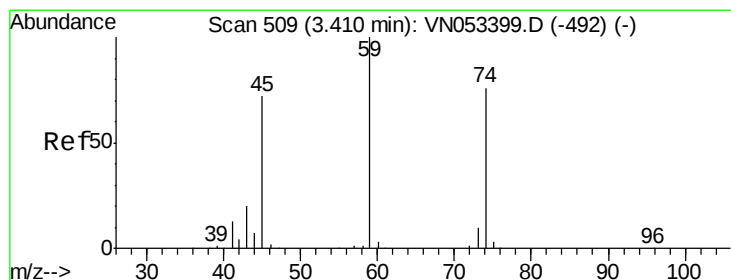
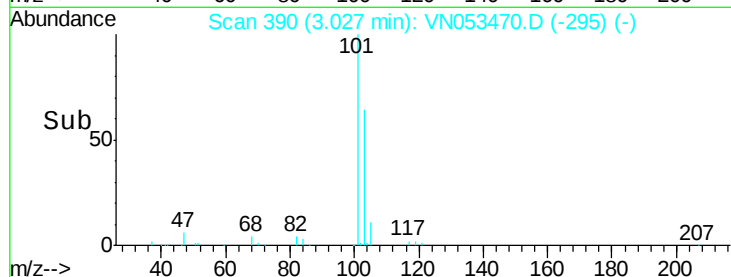
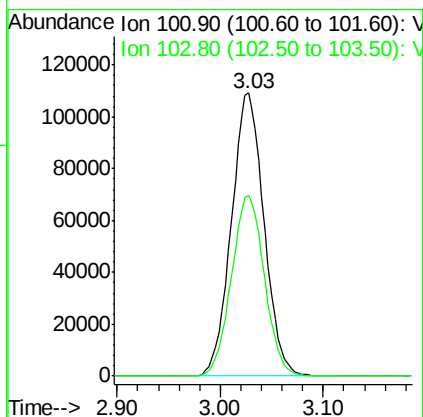
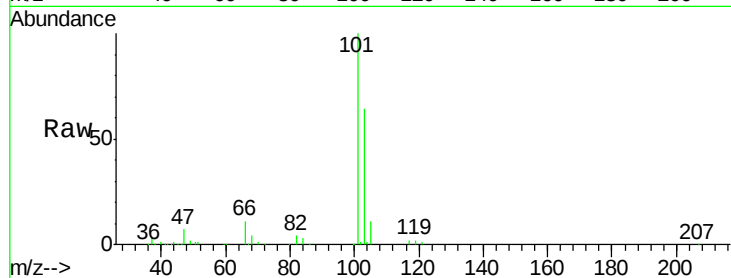


#7

Trichlorofluoromethane
 Concen: 19.861 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Instrument :
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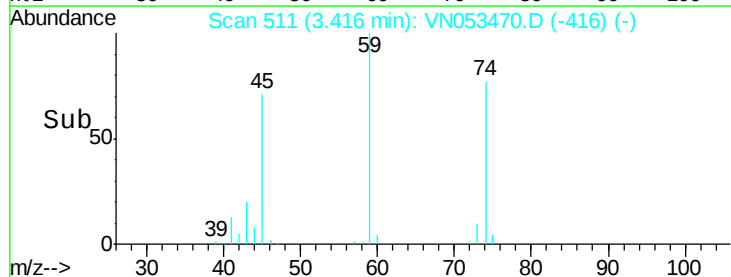
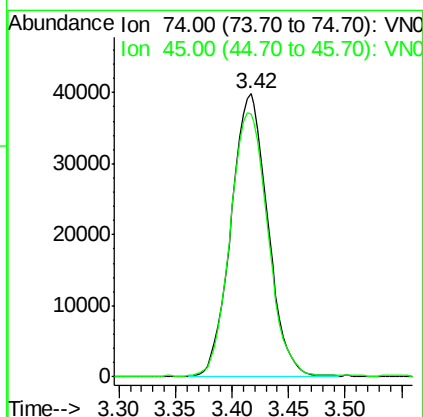
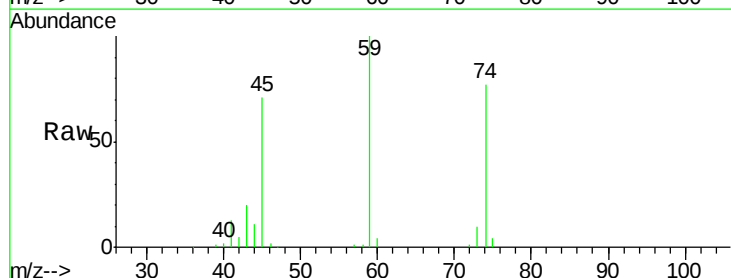
Tot Ion:101 Resp: 239982
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.6 77.4

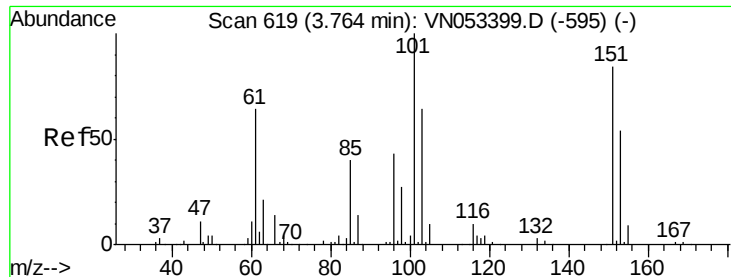


#8

Diethyl Ether
 Concen: 19.885 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 74 Resp: 90241
 Ion Ratio Lower Upper
 74 100
 45 96.2 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.750 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

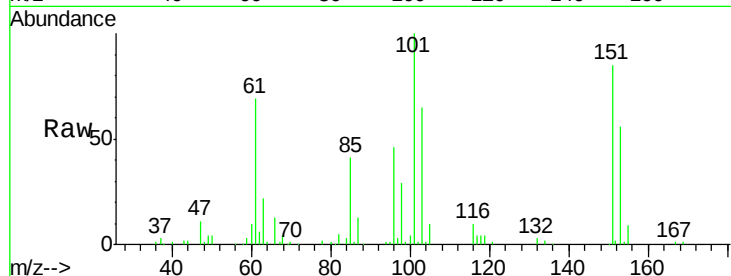
Tot Ion:101 Resp: 158783

Ion Ratio Lower Upper

101 100

85 42.3 32.8 49.2

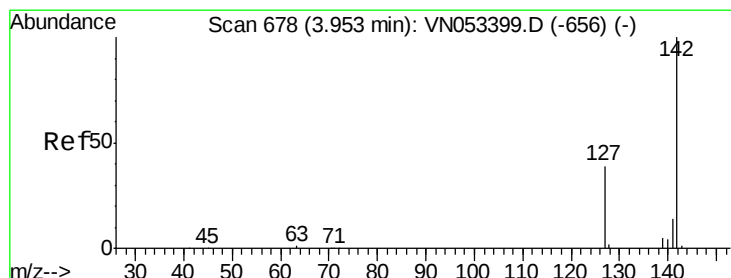
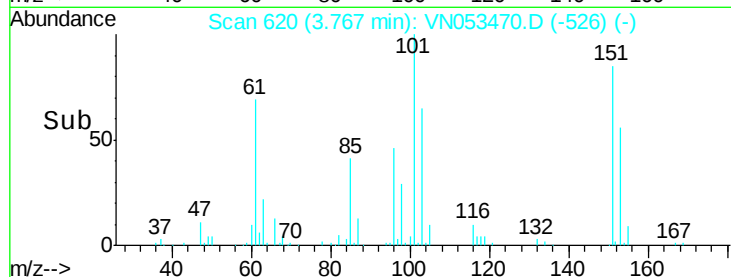
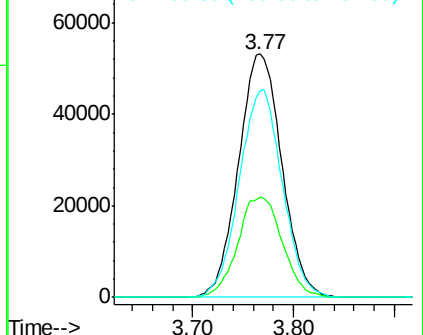
151 84.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.645 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

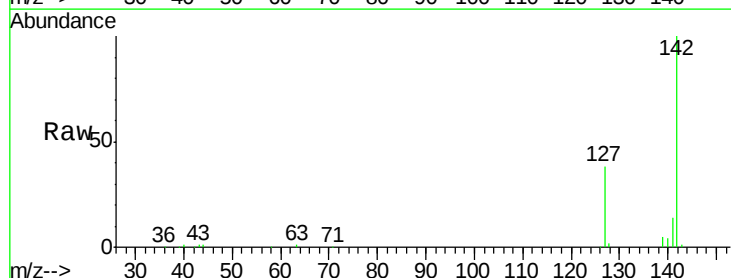
Tgt Ion:142 Resp: 218033

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.4

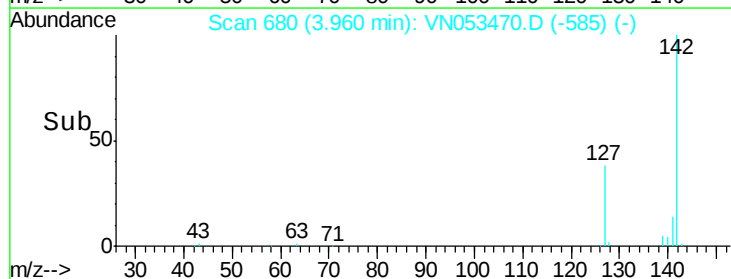
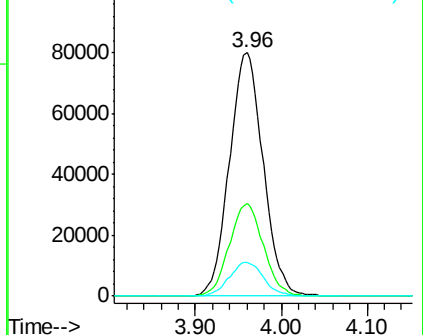
141 14.1 11.1 16.7

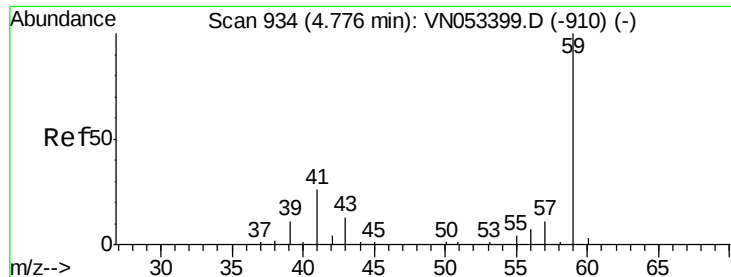


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



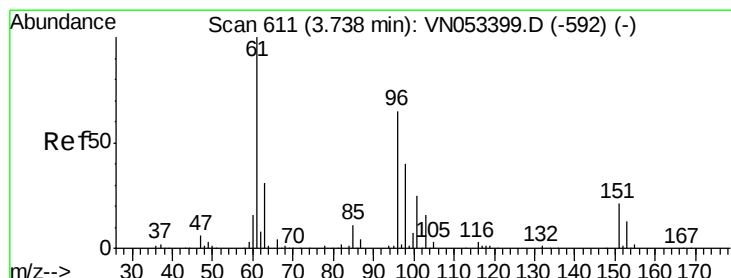
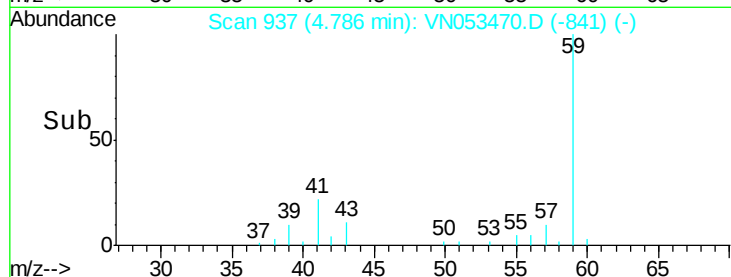
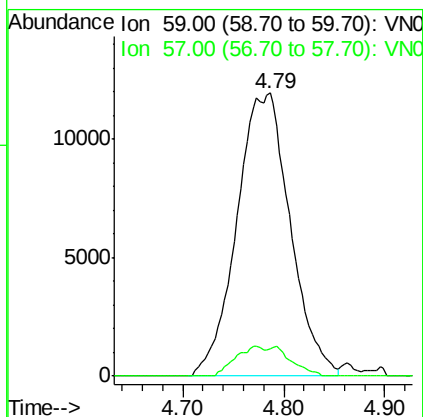
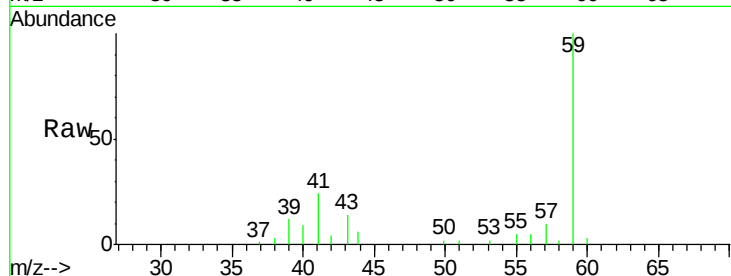


#11

Tert butyl alcohol
 Concen: 109.010 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS02

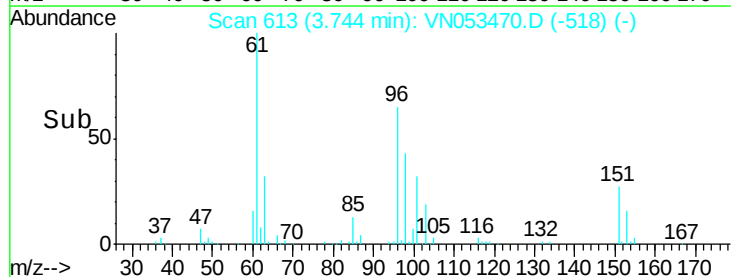
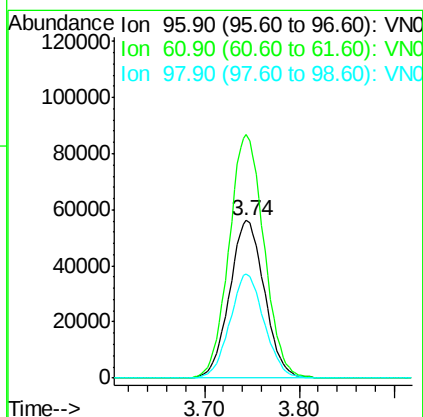
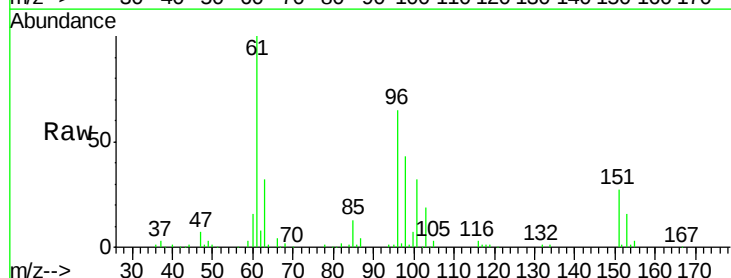
Tot Ion: 59 Resp: 43953
 Ion Ratio Lower Upper
 59 100
 57 6.0 8.2 12.4#

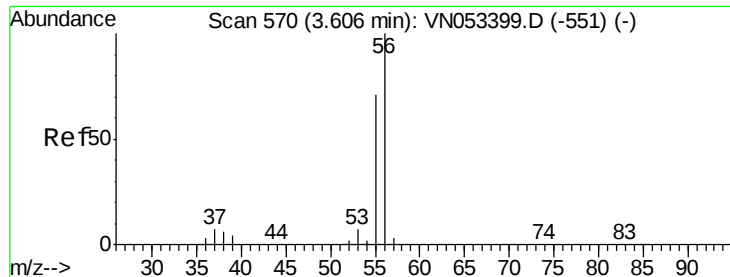


#12

1,1-Dichloroethene
 Concen: 19.352 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 96 Resp: 143635
 Ion Ratio Lower Upper
 96 100
 61 154.7 122.9 184.3
 98 66.1 49.4 74.0

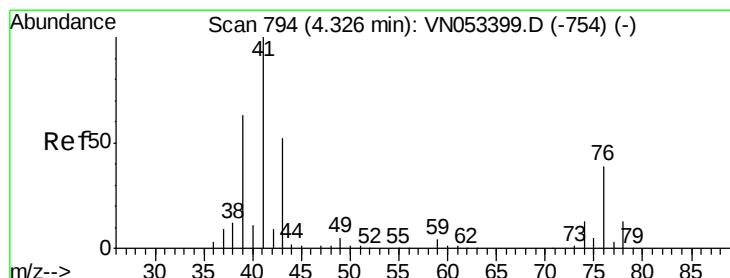
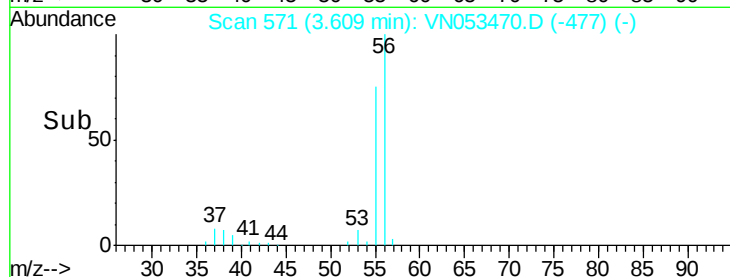
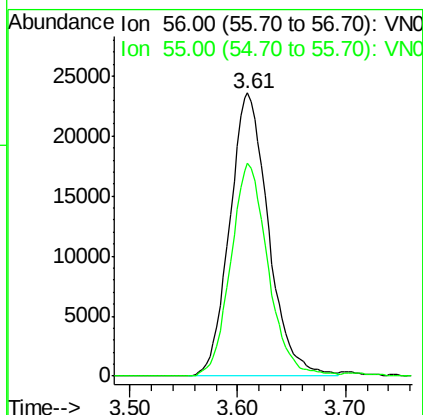
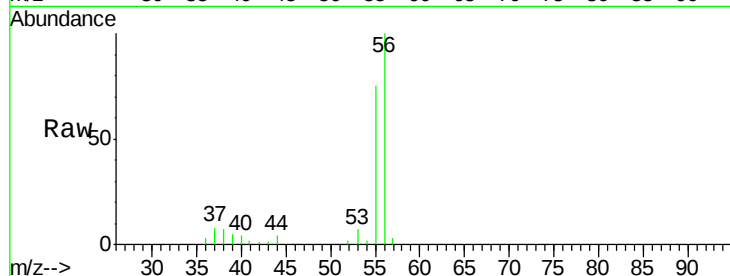




#13
Acrolein
Concen: 90.906 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

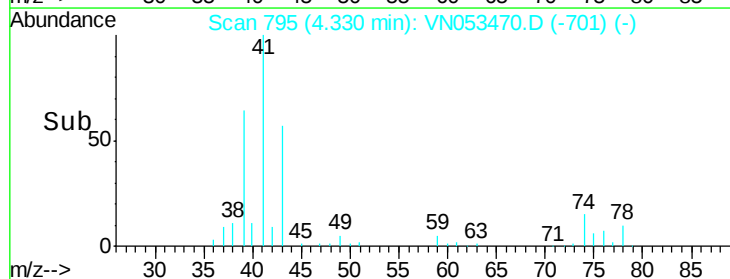
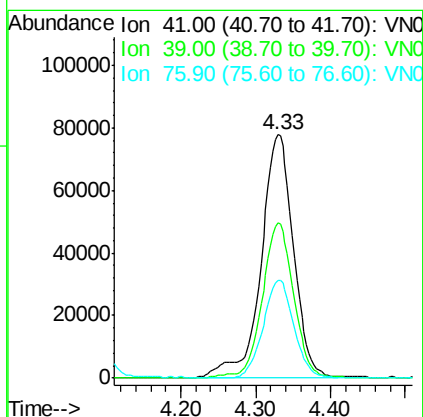
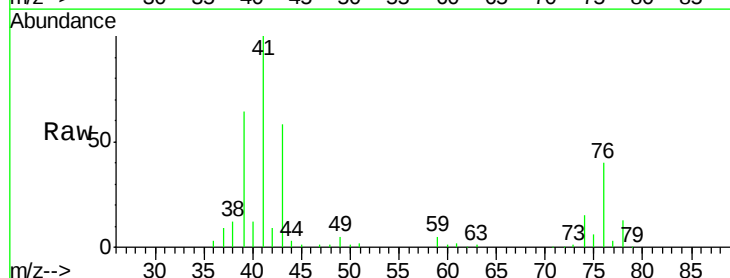
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

Tot Ion: 56 Resp: 58999
Ion Ratio Lower Upper
56 100
55 72.3 57.4 86.0



#14
Allyl chloride
Concen: 19.502 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 41 Resp: 235123
Ion Ratio Lower Upper
41 100
39 61.7 48.9 73.3
76 37.3 29.4 44.2





#15

Acrylonitrile

Concen: 101.689 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

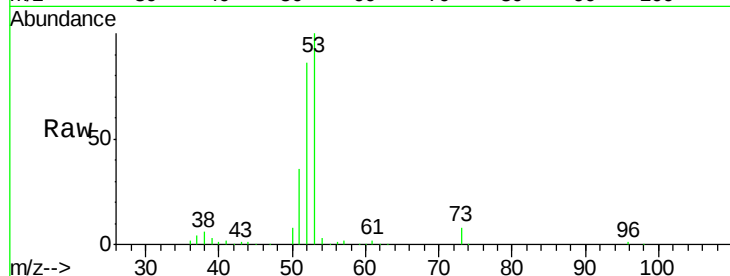
Tot Ion: 53 Resp: 269832

Ion Ratio Lower Upper

53 100

52 83.1 66.0 99.0

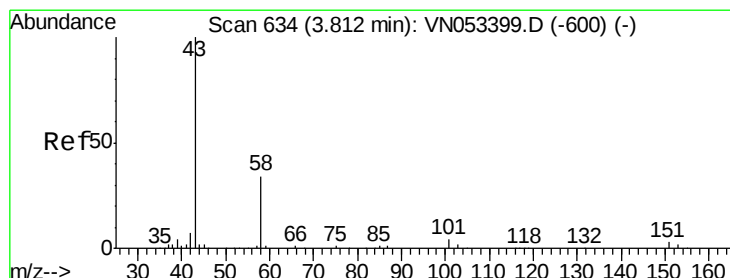
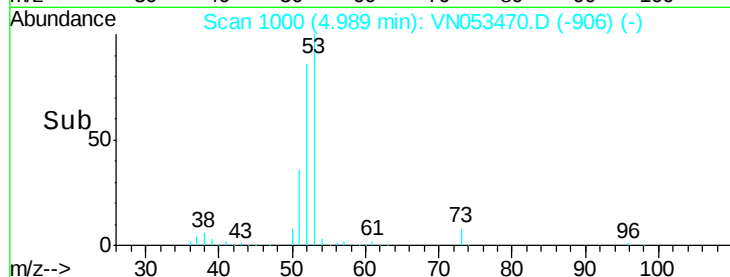
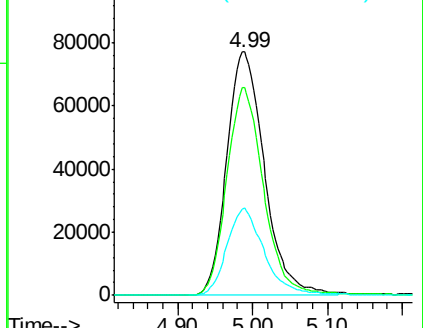
51 35.3 28.3 42.5



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



#16

Acetone

Concen: 106.234 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053470.D

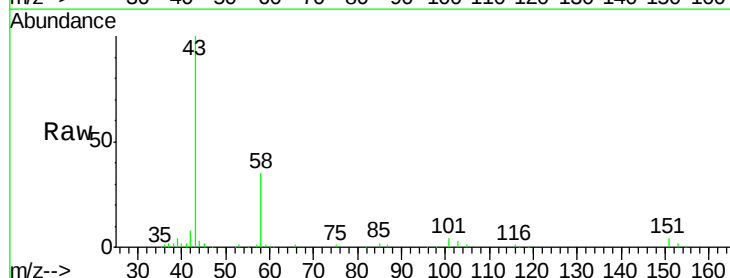
Acq: 18 Jan 2019 14:23

Tgt Ion: 43 Resp: 205377

Ion Ratio Lower Upper

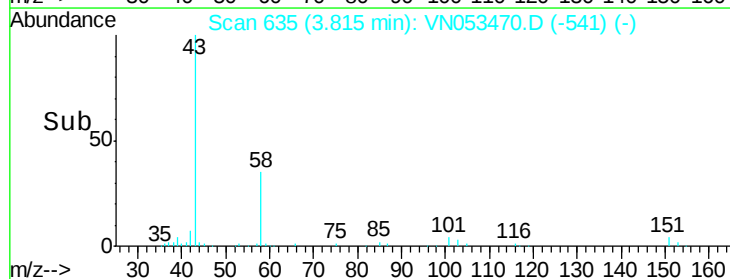
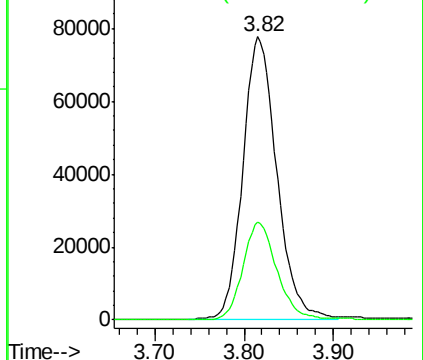
43 100

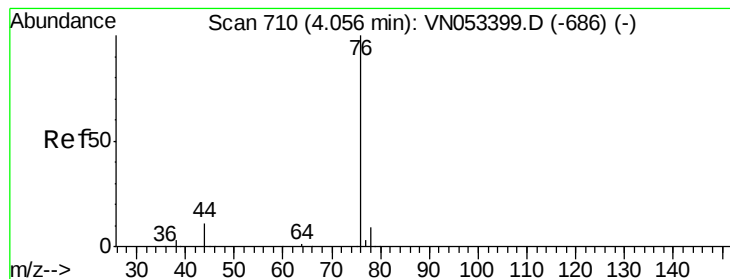
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.552 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

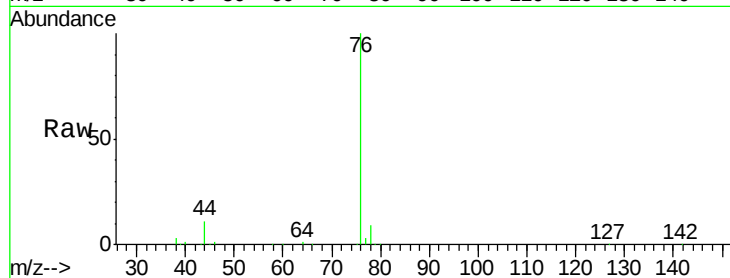
VN0118WBS02

Tot Ion: 76 Resp: 416409

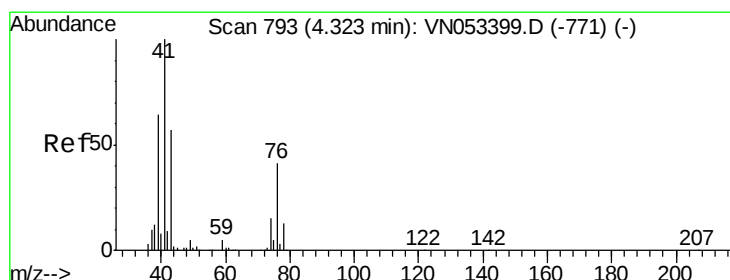
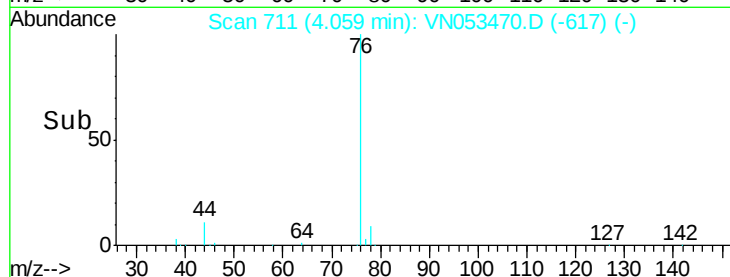
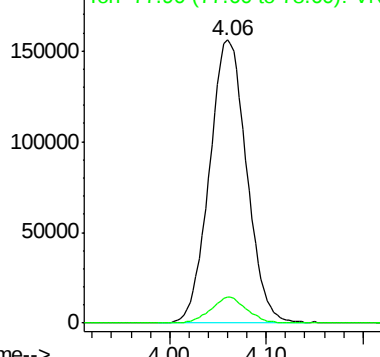
Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 20.233 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053470.D

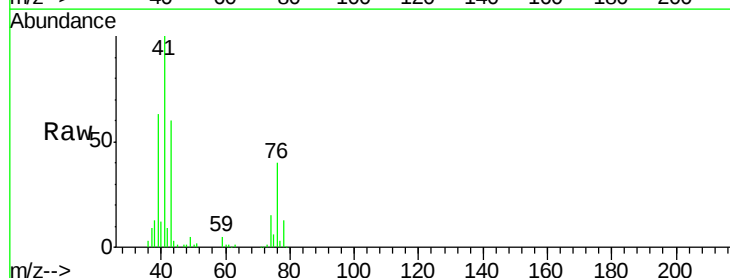
Acq: 18 Jan 2019 14:23

Tgt Ion: 43 Resp: 131786

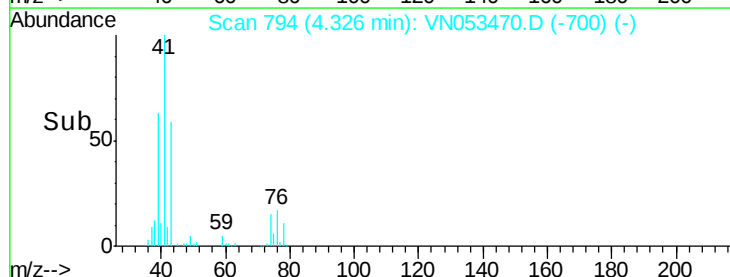
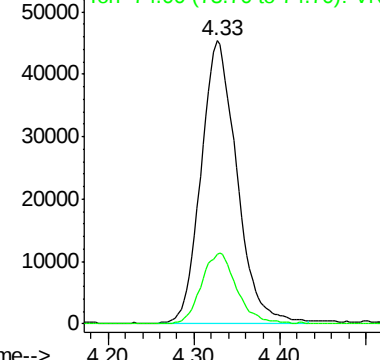
Ion Ratio Lower Upper

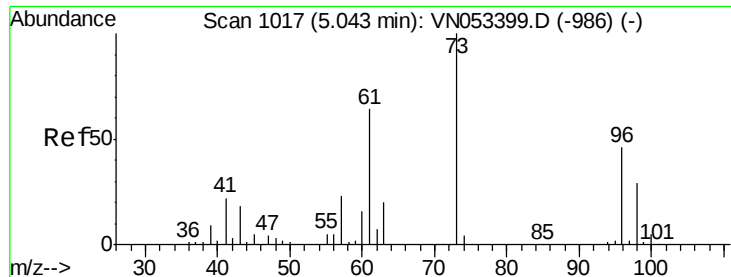
43 100

74 24.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

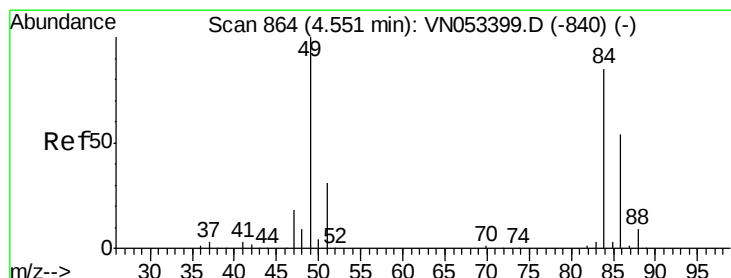
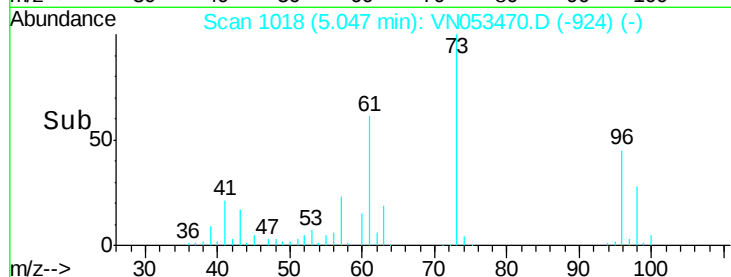
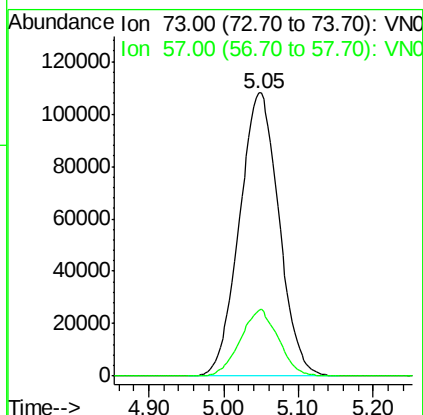
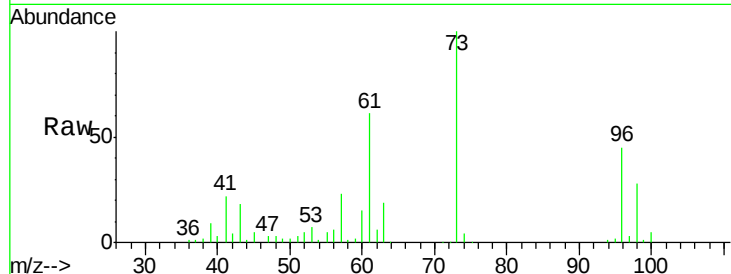




#19
Methvl tert-butvl Ether
Concen: 20.142 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

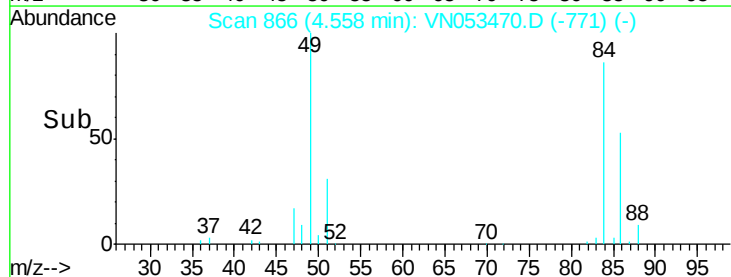
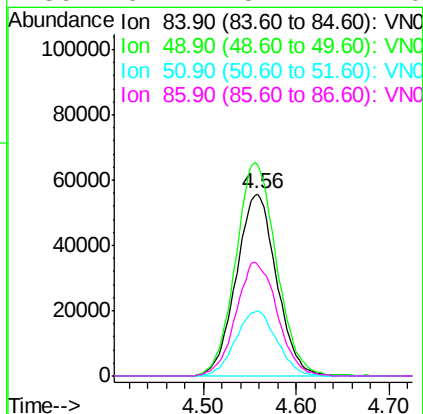
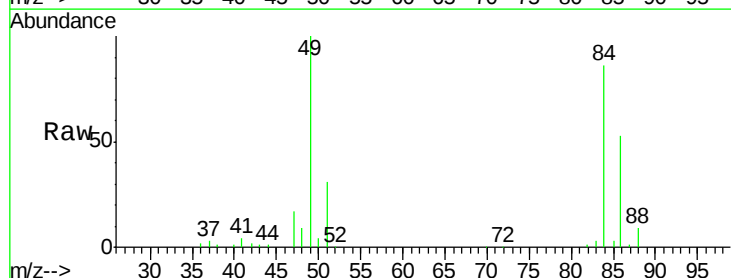
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

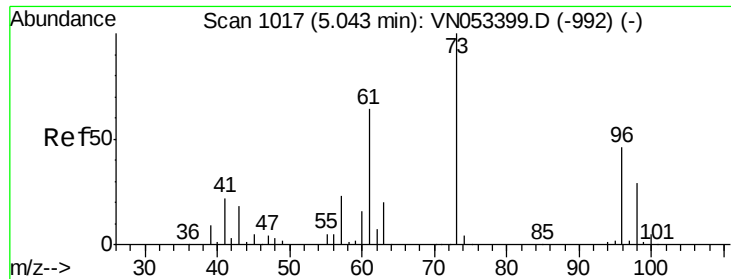
Tot Ion: 73 Resp: 397235
Ion Ratio Lower Upper
73 100
57 23.4 18.3 27.5



#20
Methylene Chloride
Concen: 19.033 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 84 Resp: 167990
Ion Ratio Lower Upper
84 100
49 116.4 94.3 141.5
51 36.0 29.4 44.2
86 61.4 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 19.760 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

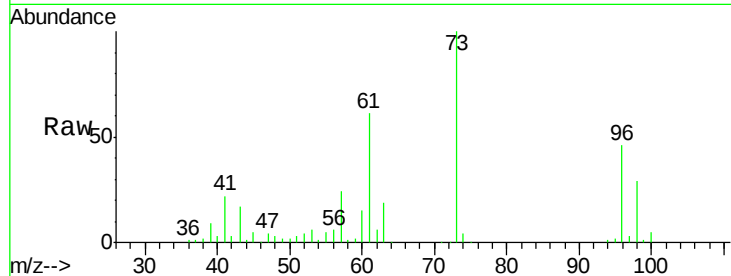
Tot Ion: 96 Resp: 156799

Ion Ratio Lower Upper

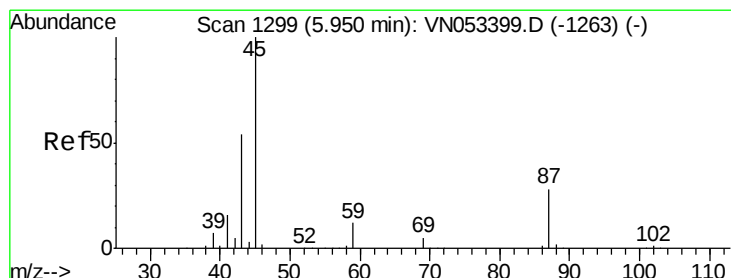
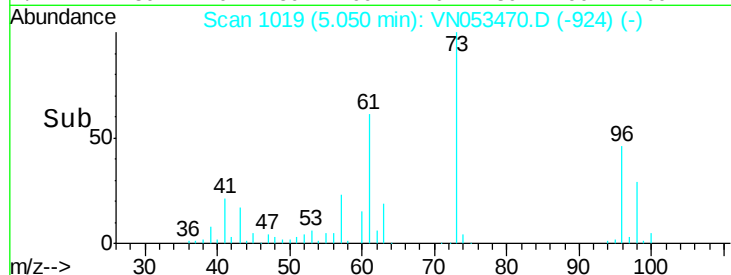
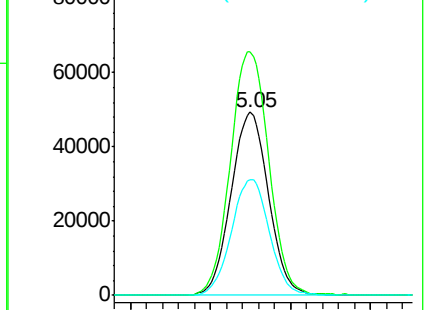
96 100

61 132.8 110.1 165.1

98 63.3 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.079 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Tgt Ion: 45 Resp: 505359

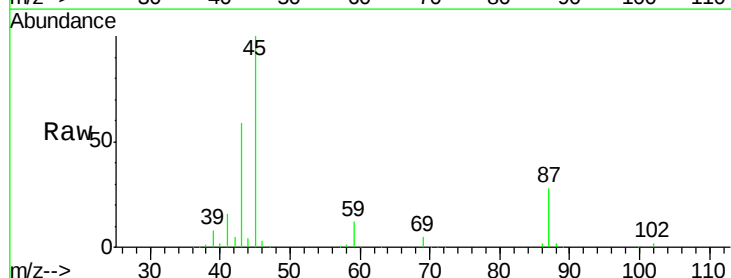
Ion Ratio Lower Upper

45 100

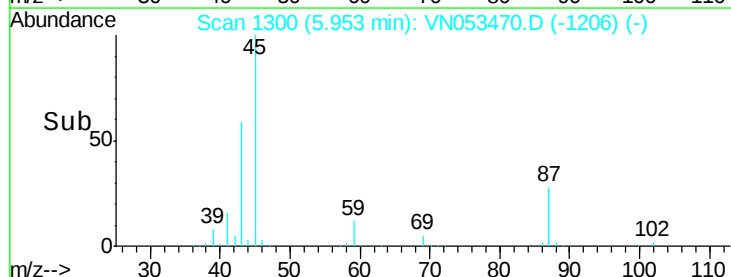
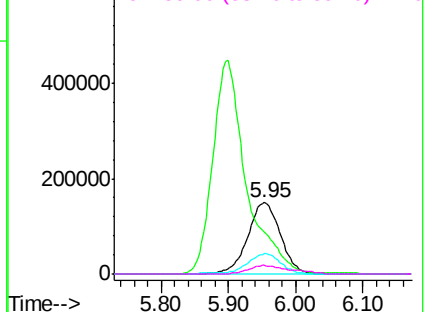
43 57.6 44.2 66.4

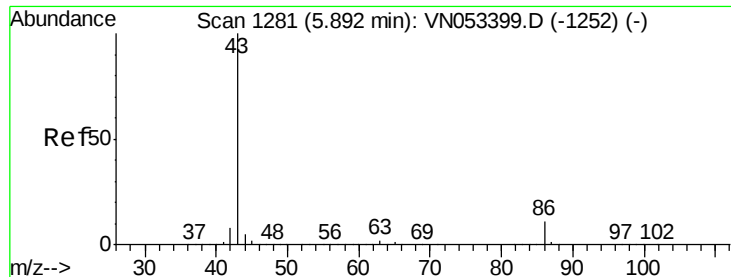
87 28.0 22.7 34.1

59 11.5 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 100.417 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

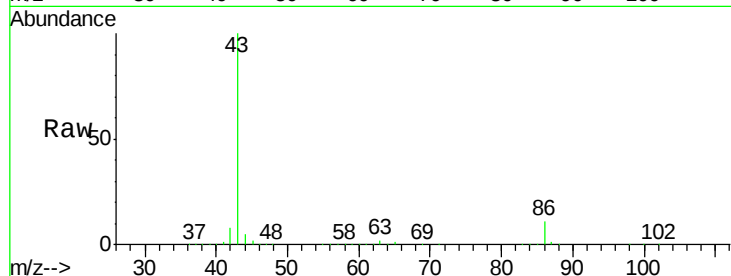
VN0118WBS02

Tot Ion: 43 Resp: 1553588

Ion Ratio Lower Upper

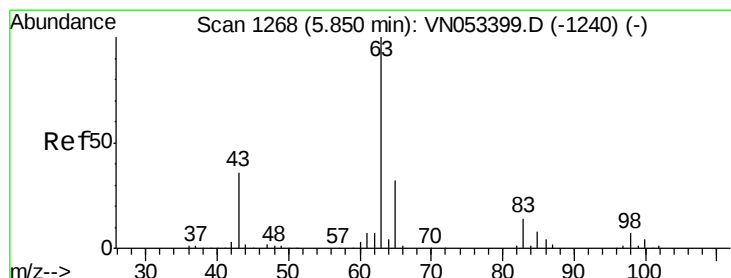
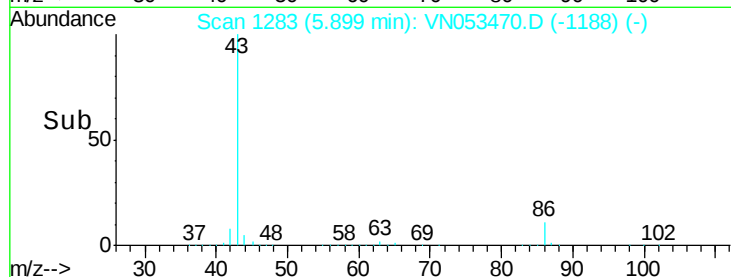
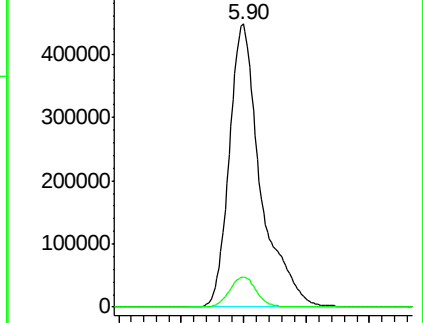
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.144 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

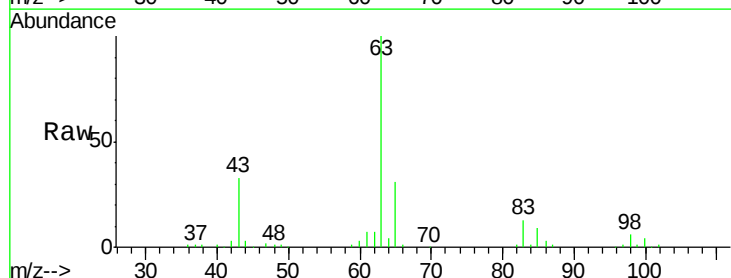
Tgt Ion: 63 Resp: 299713

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

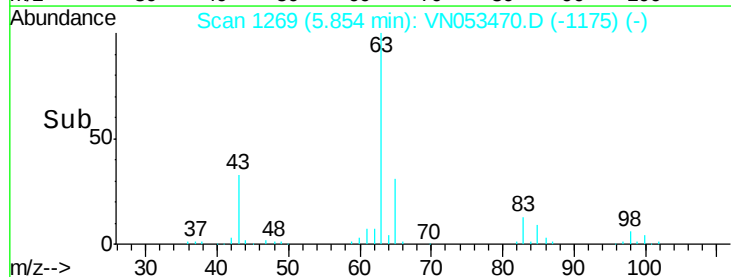
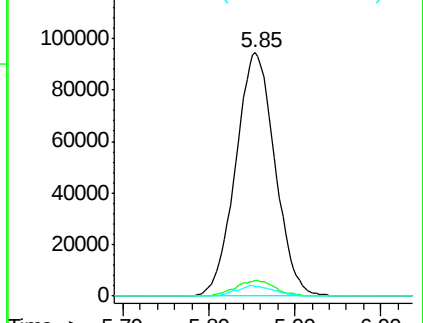
100 4.1 2.1 6.5

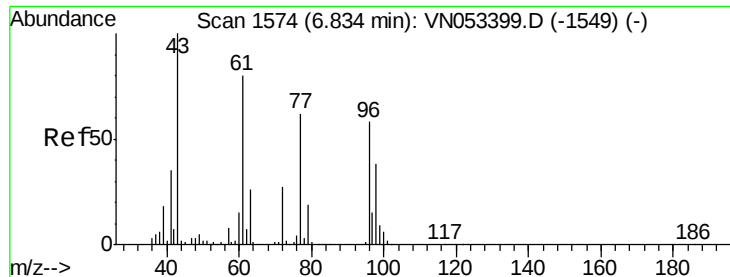


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 105.093 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

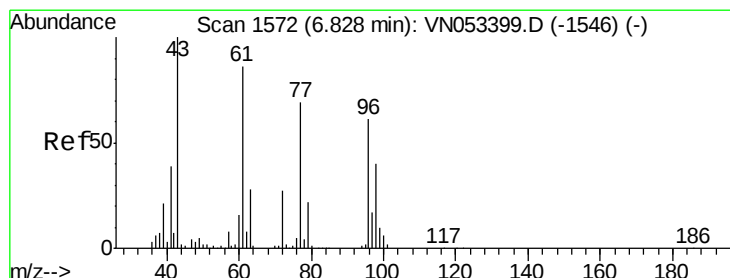
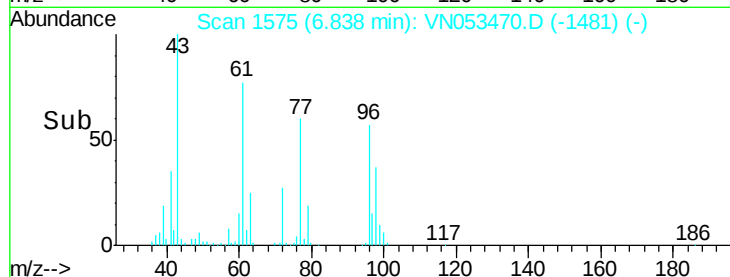
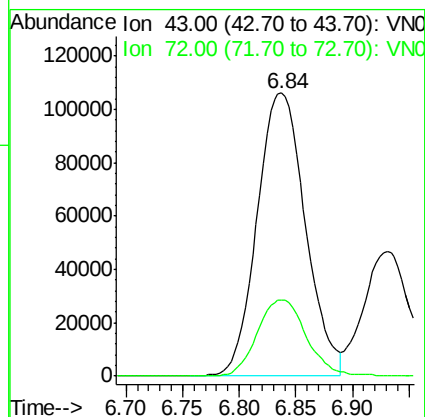
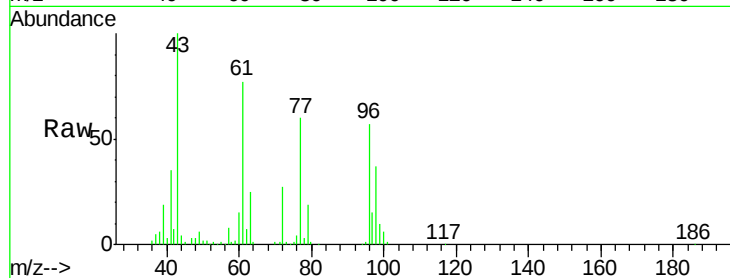
VN0118WBS02

Tot Ion: 43 Resp: 313089

Ion Ratio Lower Upper

43 100

72 27.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.882 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053470.D

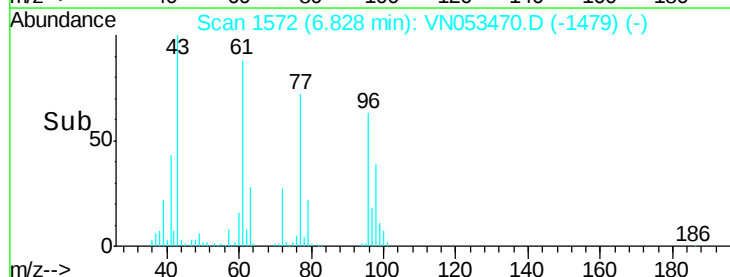
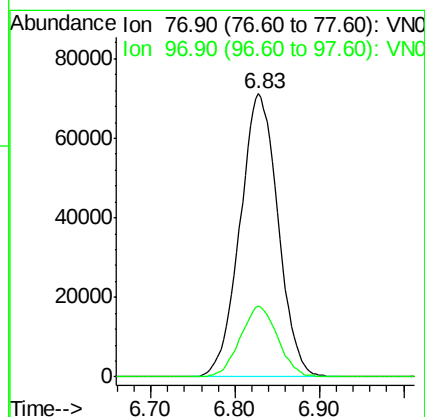
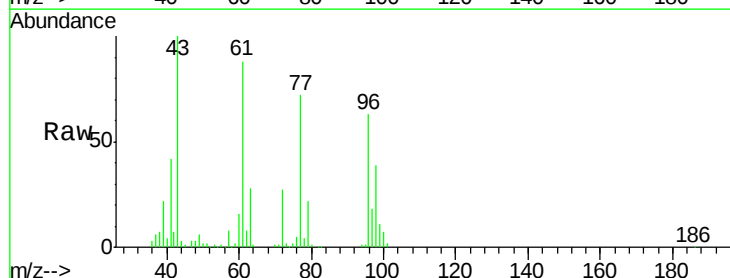
Acq: 18 Jan 2019 14:23

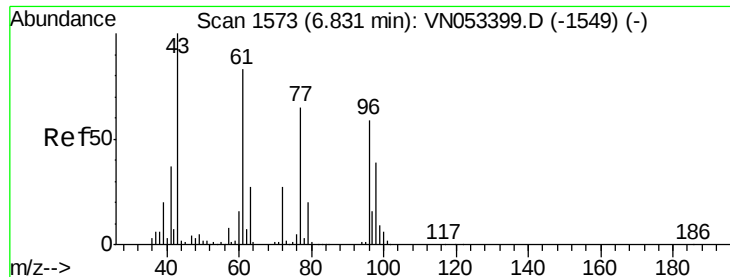
Tgt Ion: 77 Resp: 223351

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.200 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

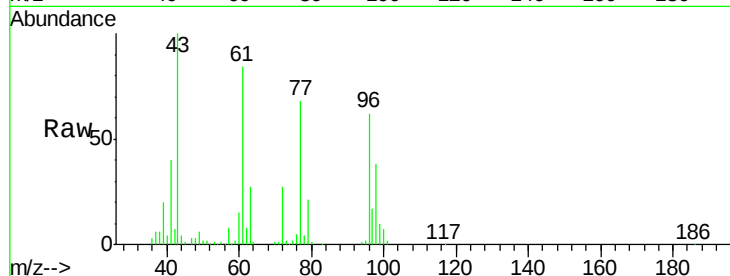
Tot Ion: 96 Resp: 183300

Ion Ratio Lower Upper

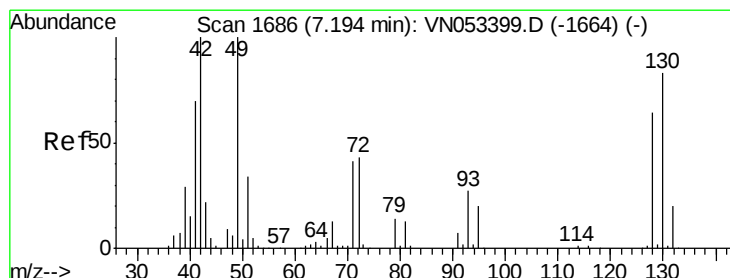
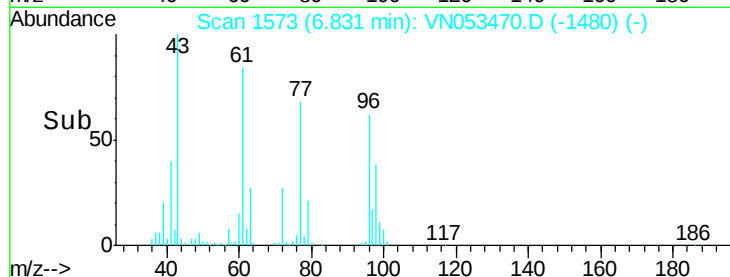
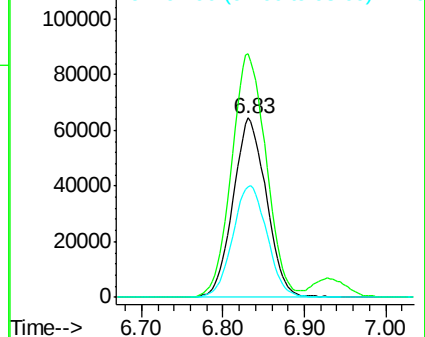
96 100

61 140.7 0.0 283.8

98 64.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 17.600 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

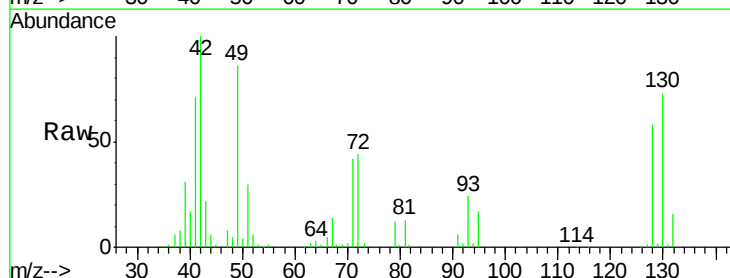
Tgt Ion: 49 Resp: 115363

Ion Ratio Lower Upper

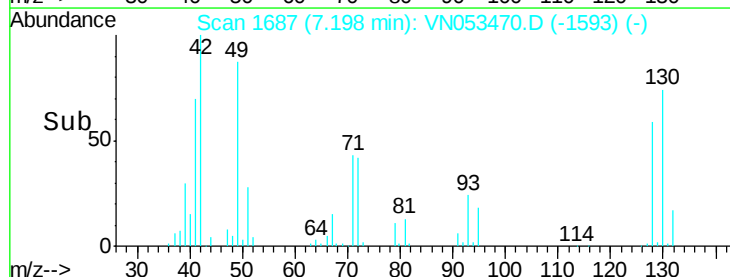
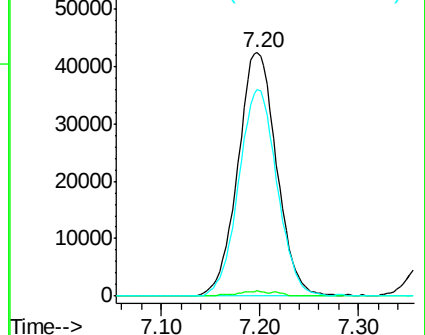
49 100

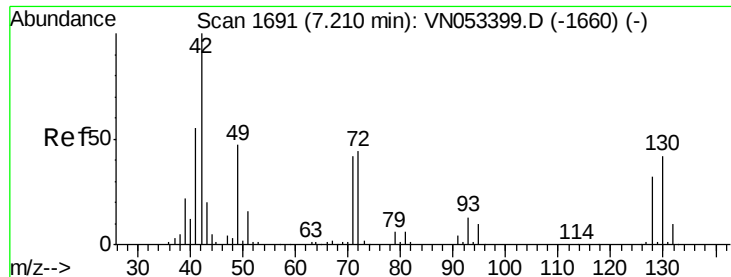
129 0.8 0.0 4.0

130 84.1 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 102.836 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

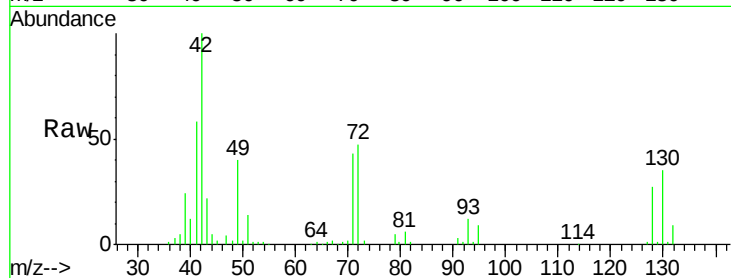
Tot Ion: 42 Resp: 199445

Ion Ratio Lower Upper

42 100

72 44.7 35.2 52.8

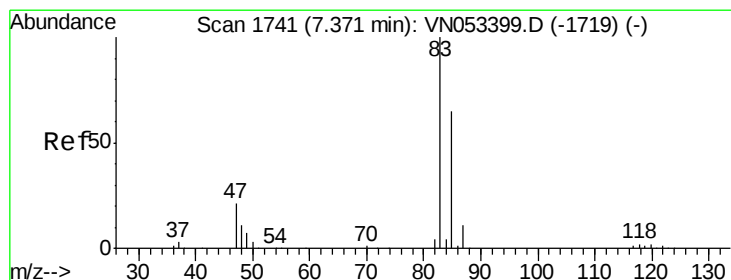
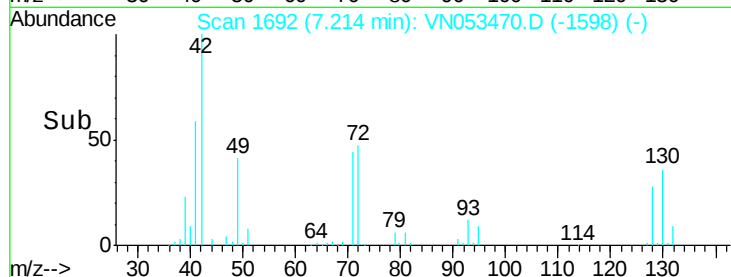
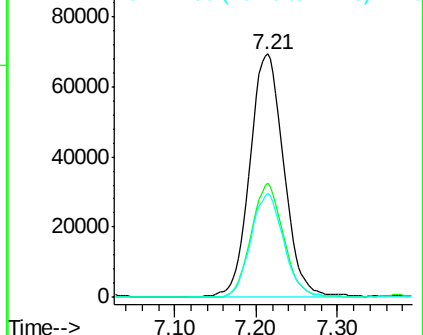
71 41.4 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.271 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053470.D

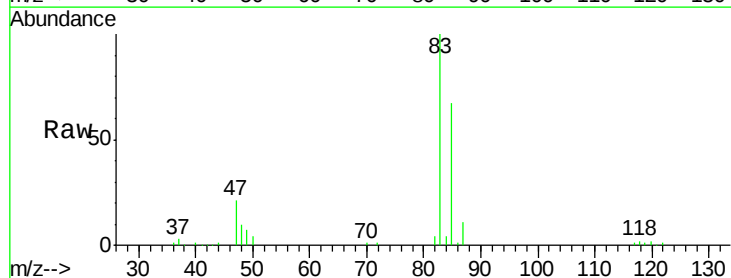
Acq: 18 Jan 2019 14:23

Tgt Ion: 83 Resp: 293852

Ion Ratio Lower Upper

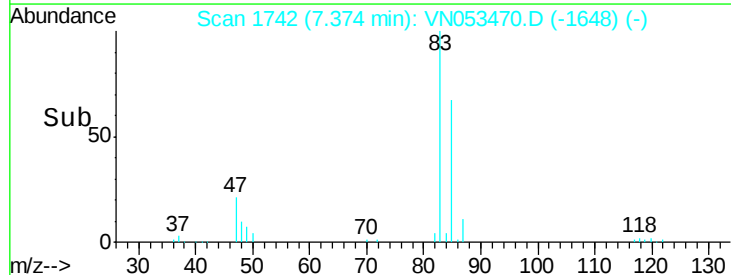
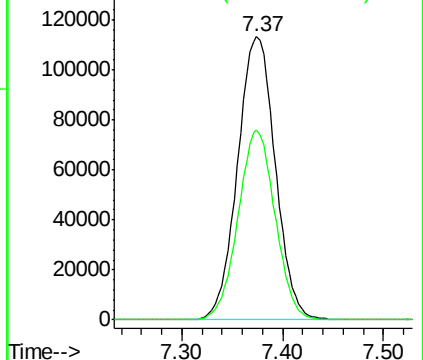
83 100

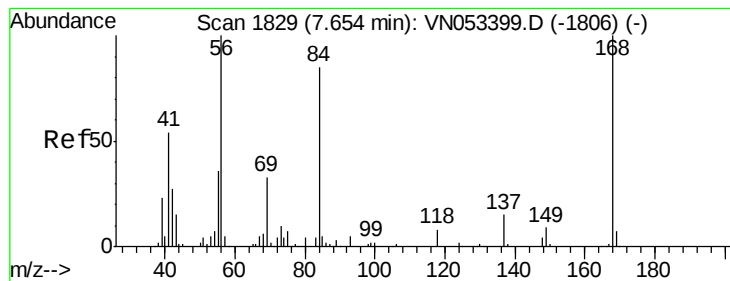
85 67.2 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.271 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

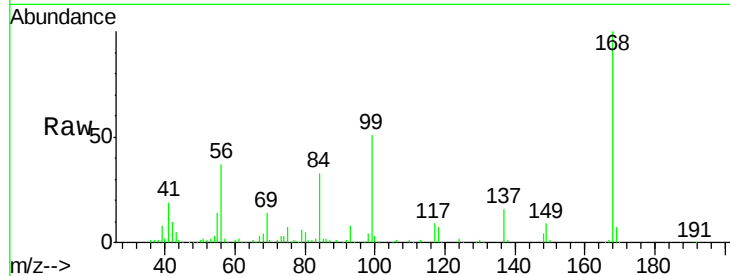
Tot Ion: 56 Resp: 281031

Ion Ratio Lower Upper

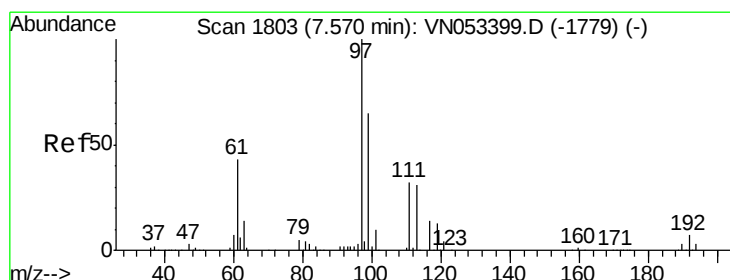
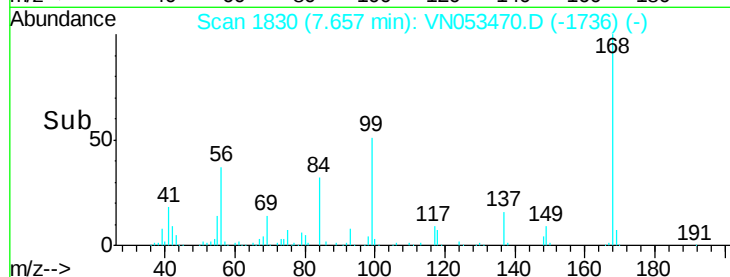
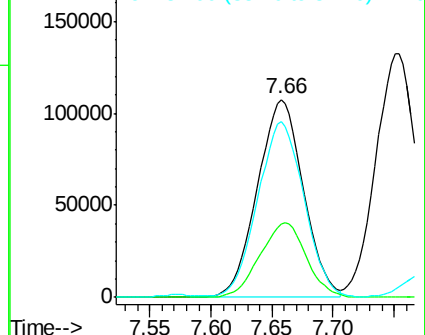
56 100

69 37.0 26.4 39.6

84 87.8 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 19.919 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

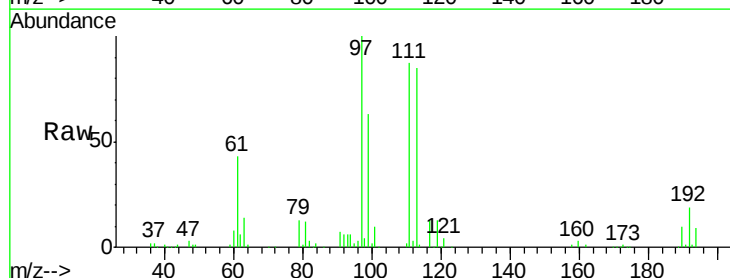
Tgt Ion: 97 Resp: 244942

Ion Ratio Lower Upper

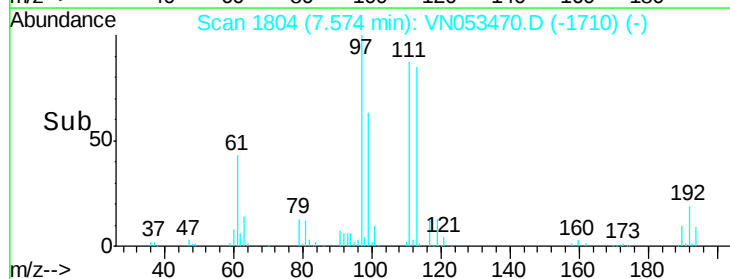
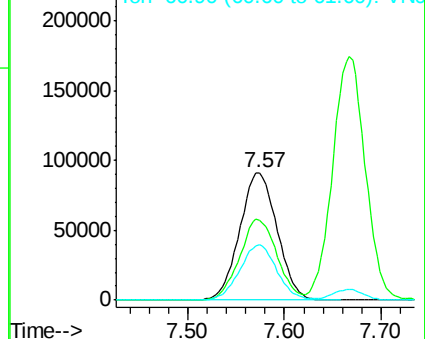
97 100

99 63.5 52.0 78.0

61 42.9 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

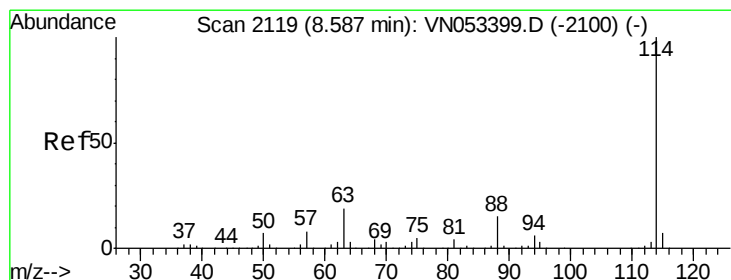
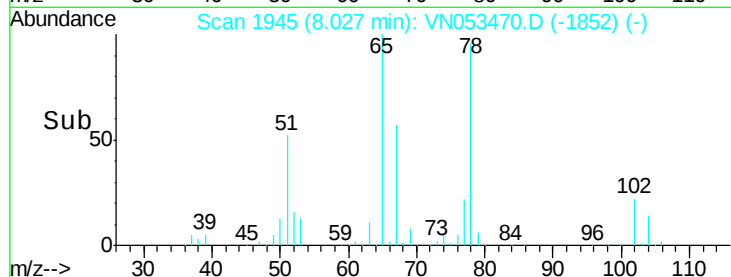
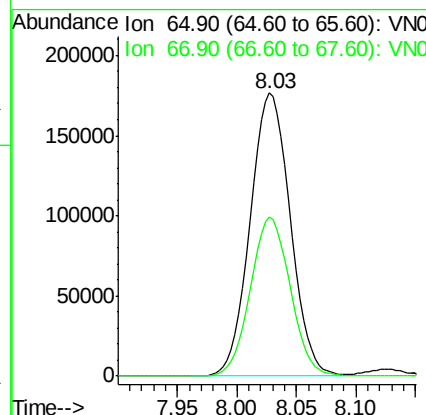
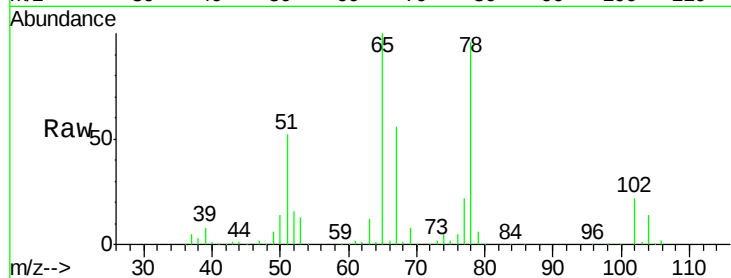




#33
 1,2-Dichloroethane-d4
 Concen: 19.919 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

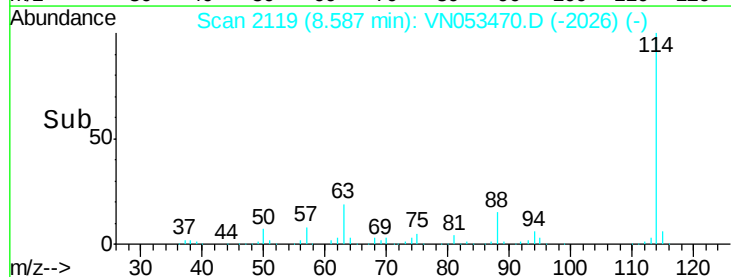
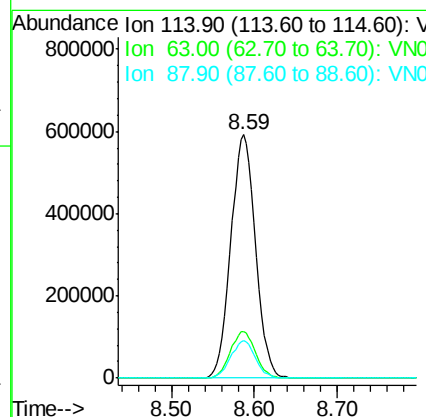
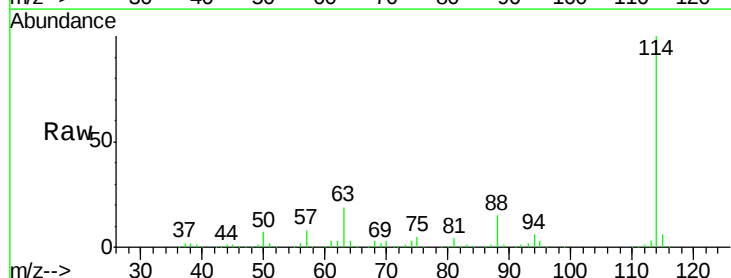
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

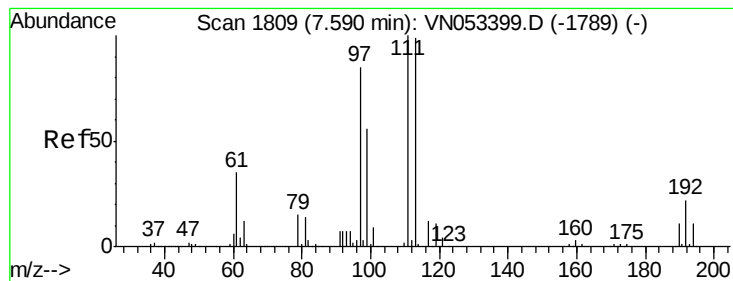
Tot Ion: 65 Resp: 412644
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 114 Resp: 1225239
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

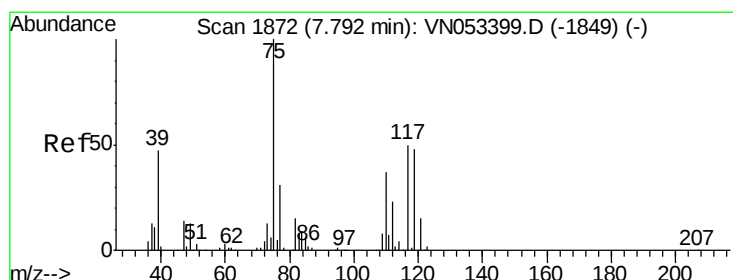
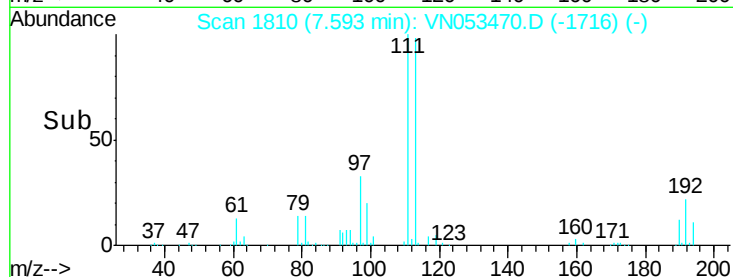
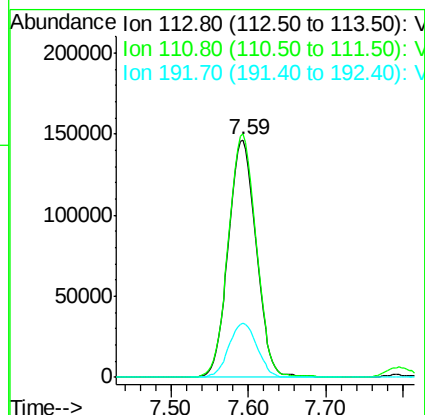
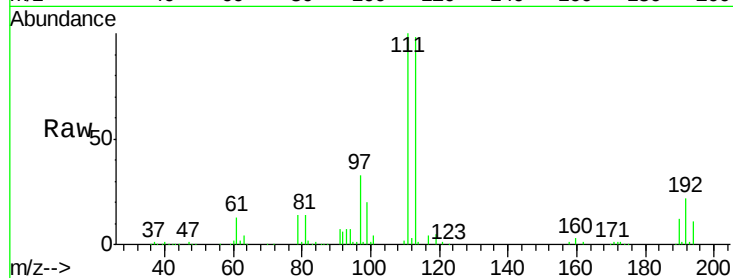
Tot Ion:113 Resp: 365418

Ion Ratio Lower Upper

113 100

111 101.8 81.1 121.7

192 23.1 18.2 27.2



#36

1,1-Dichloropropene

Concen: 20.251 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

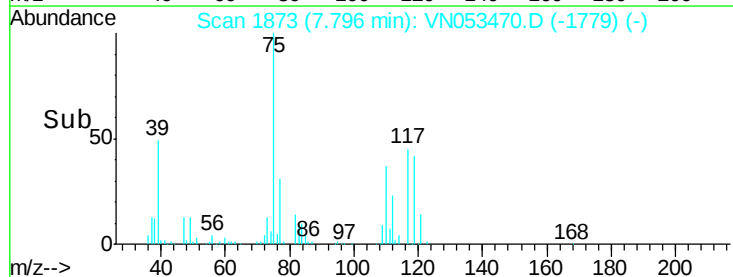
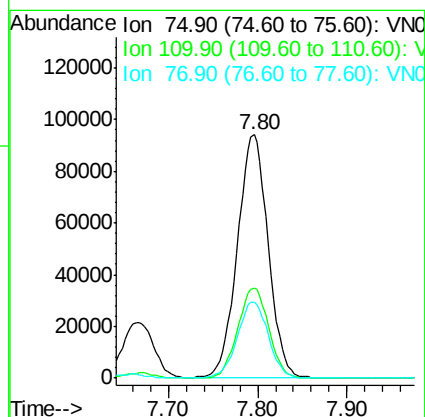
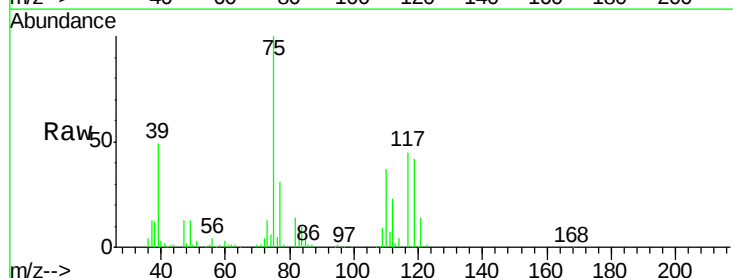
Tgt Ion: 75 Resp: 225974

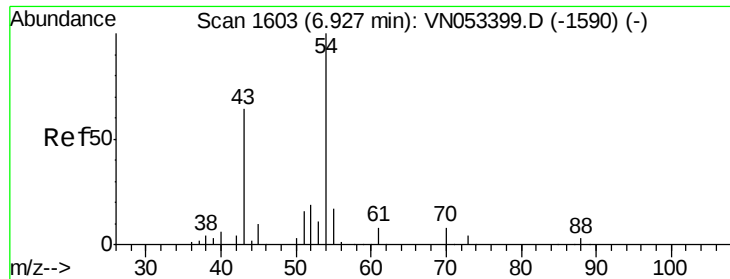
Ion Ratio Lower Upper

75 100

110 37.1 18.1 54.3

77 31.5 25.1 37.7

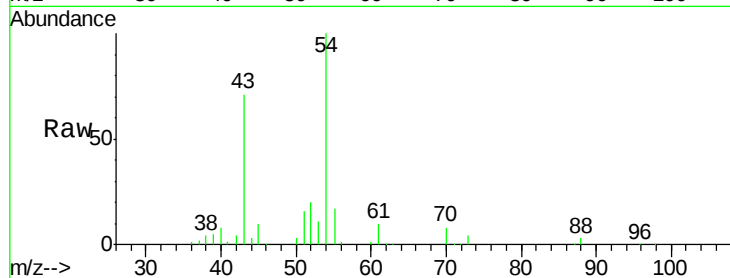




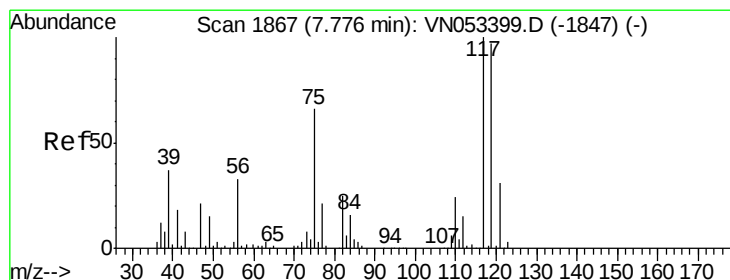
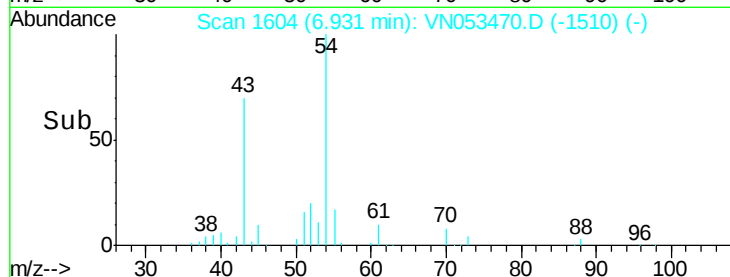
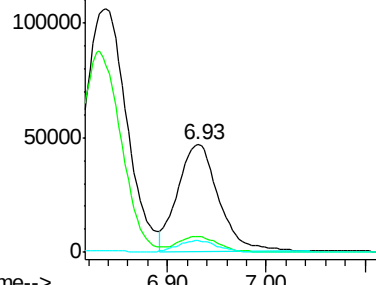
#37
Ethyl Acetate
Concen: 20.956 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

Tot Ion: 43 Resp: 134532
Ion Ratio Lower Upper
43 100
61 14.0 11.8 17.6
70 10.8 8.6 12.8

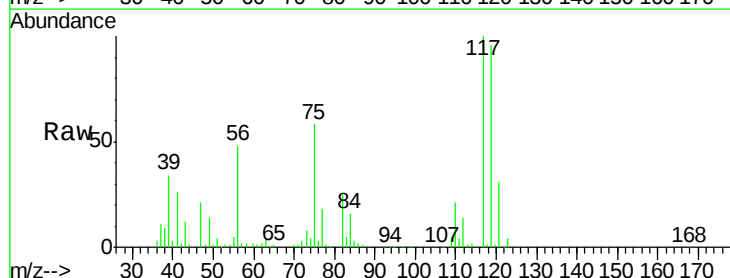


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

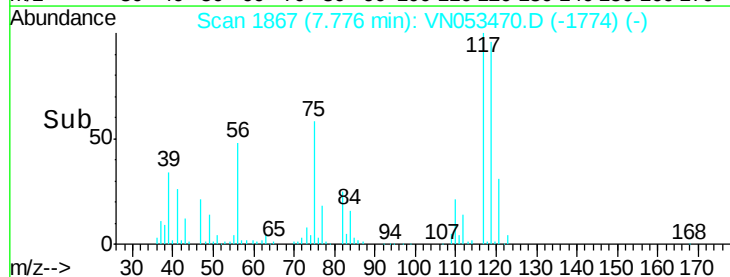
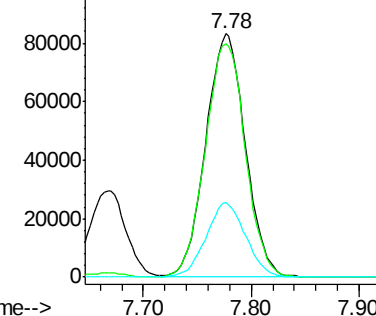


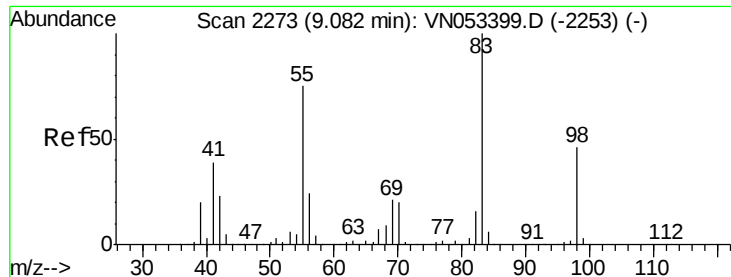
#38
Carbon Tetrachloride
Concen: 20.095 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 117 Resp: 212282
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 30.6 24.6 37.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

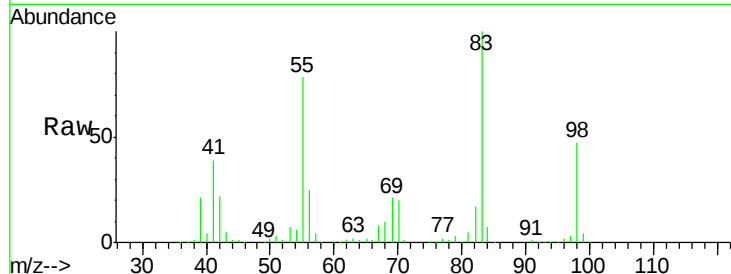




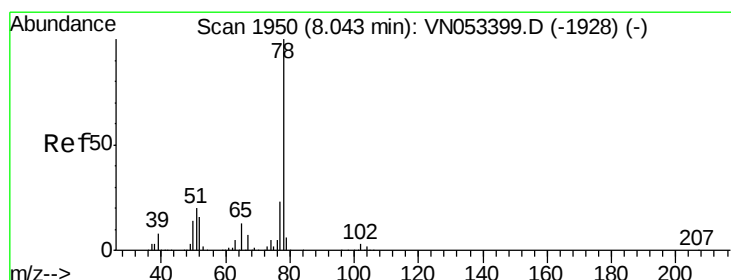
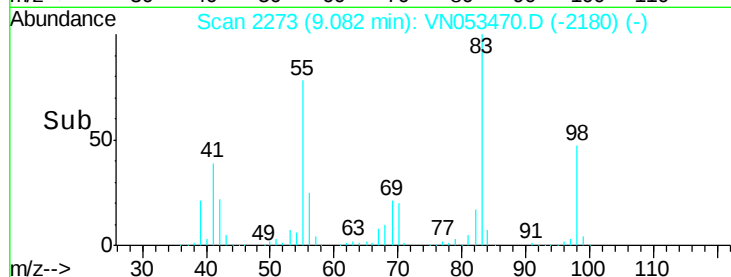
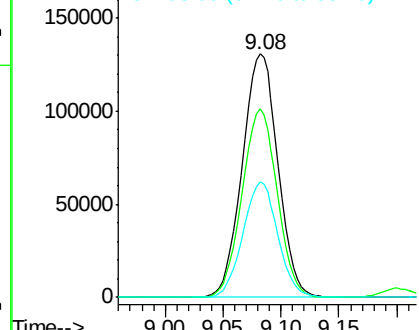
#39
Methvlcvclohexane
Concen: 20.277 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

Tot Ion: 83 Resp: 279650
Ion Ratio Lower Upper
83 100
55 77.5 60.1 90.1
98 47.5 36.6 55.0

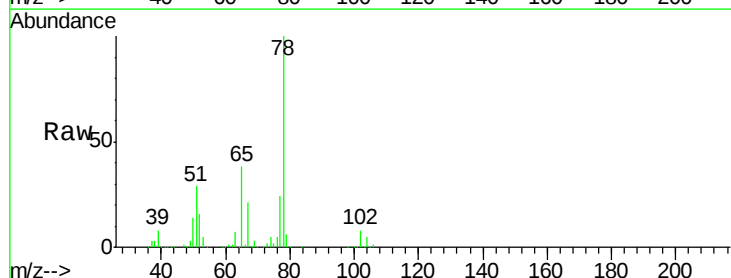


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

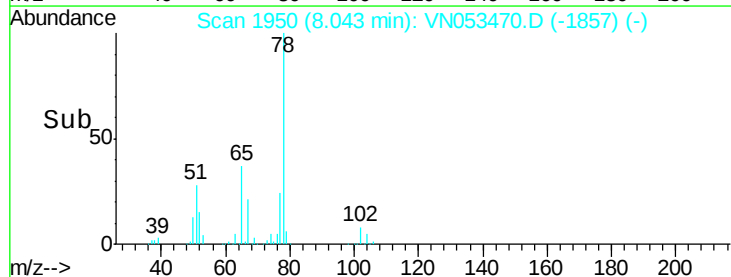
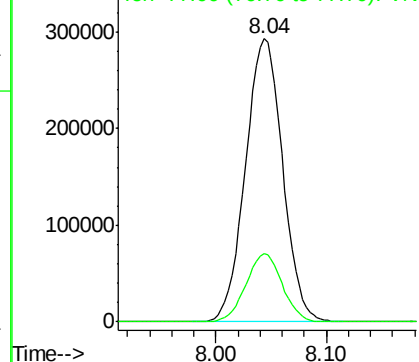


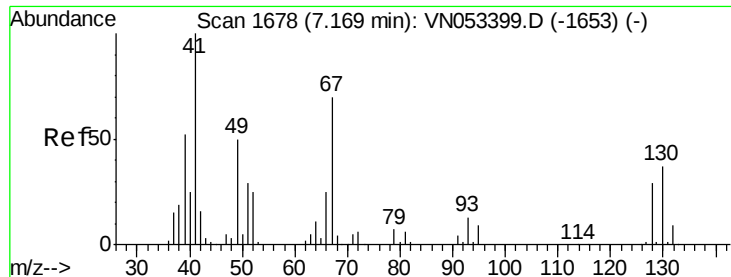
#40
Benzene
Concen: 20.189 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 78 Resp: 684589
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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

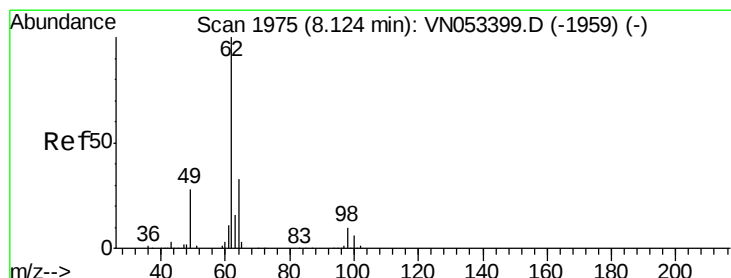
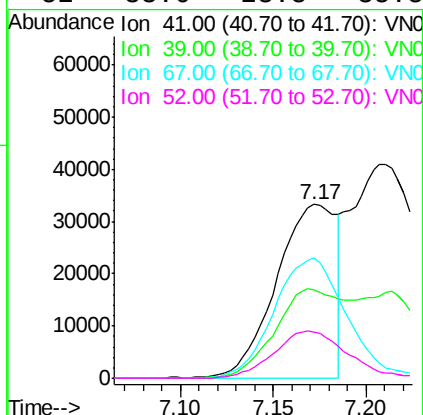
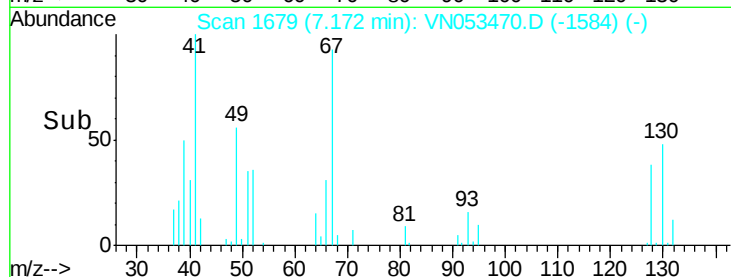
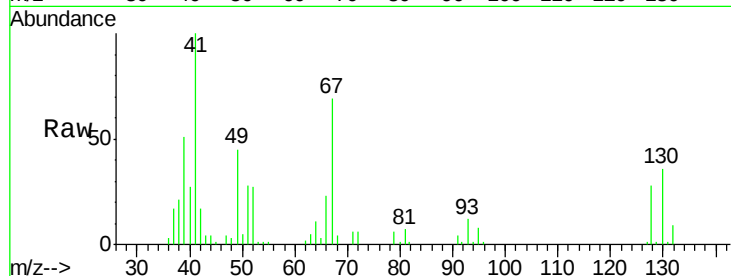




#41
Methacrylonitrile
Concen: 20.067 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

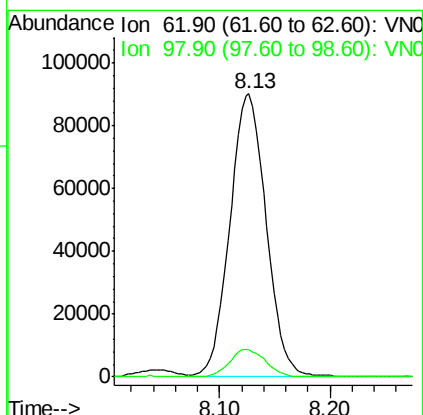
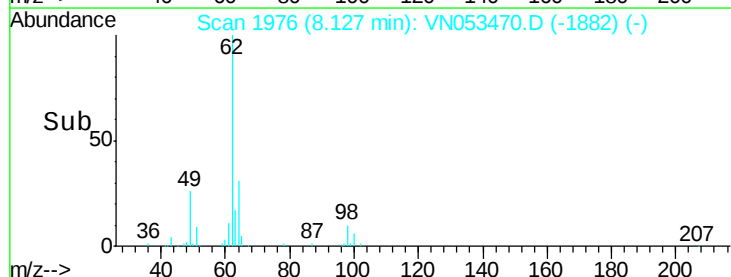
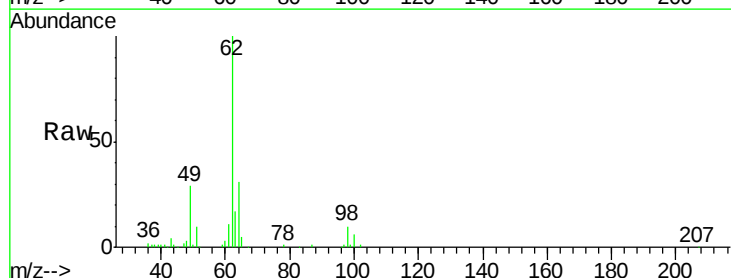
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

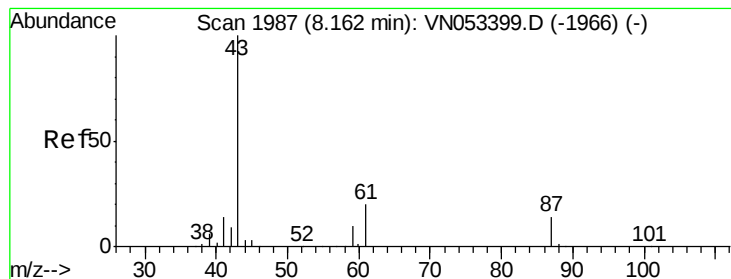
Tot Ion:	41	Resp:	75003
Ion	Ratio	Lower	Upper
41	100		
39	58.9	46.8	70.2
67	83.6	63.0	94.6
52	33.6	23.8	35.8



#42
1,2-Dichloroethane
Concen: 20.676 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:	62	Resp:	204244
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.466 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

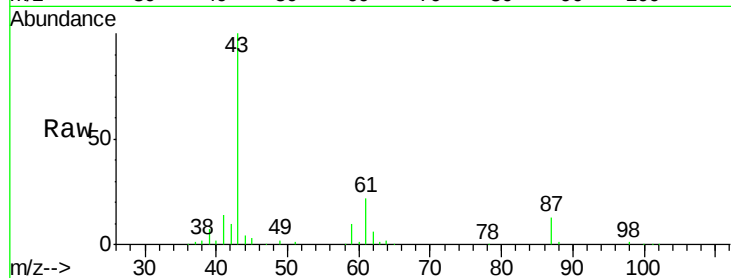
Tot Ion: 43 Resp: 247787

Ion Ratio Lower Upper

43 100

61 28.8 23.9 35.9

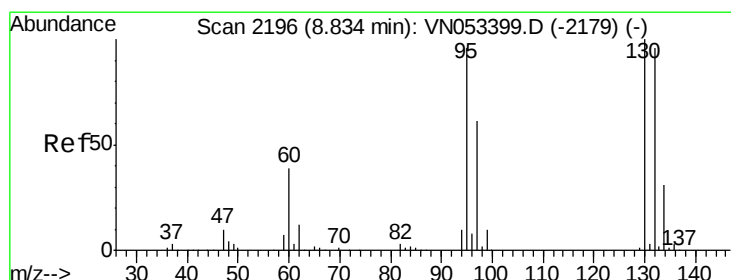
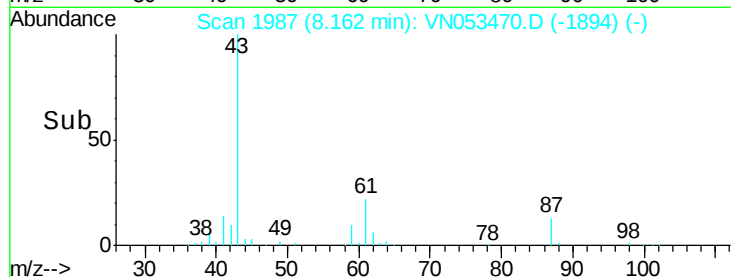
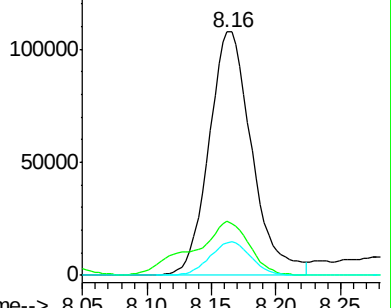
87 13.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 20.293 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053470.D

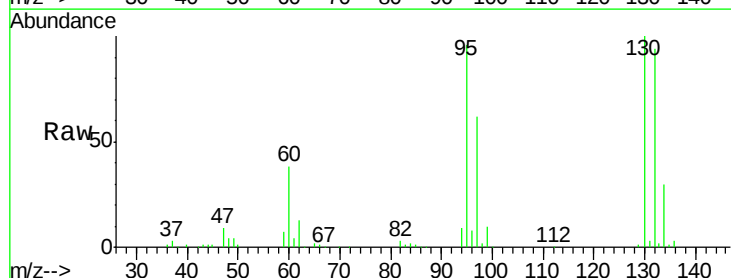
Acq: 18 Jan 2019 14:23

Tgt Ion:130 Resp: 190821

Ion Ratio Lower Upper

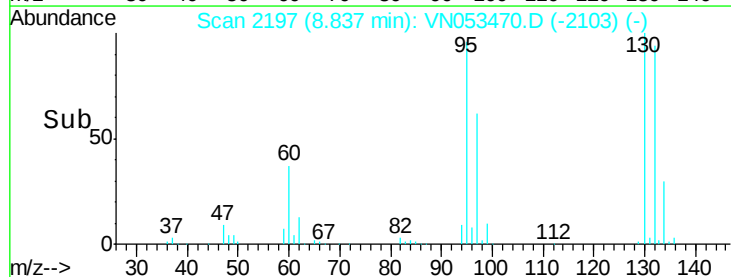
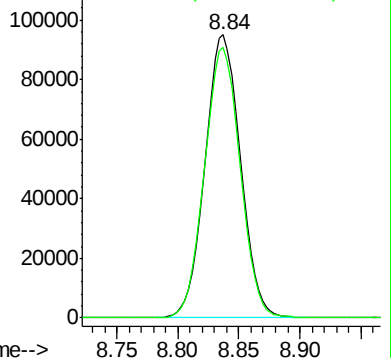
130 100

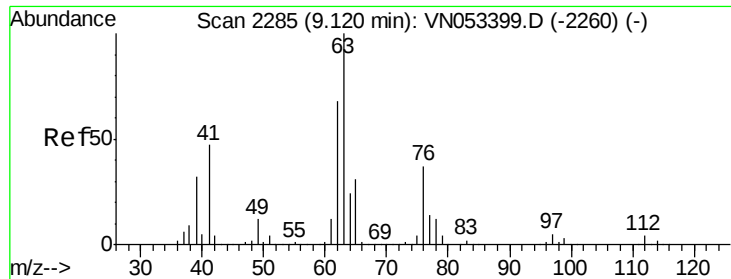
95 95.7 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

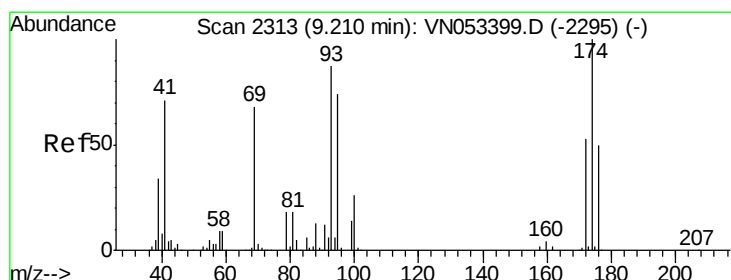
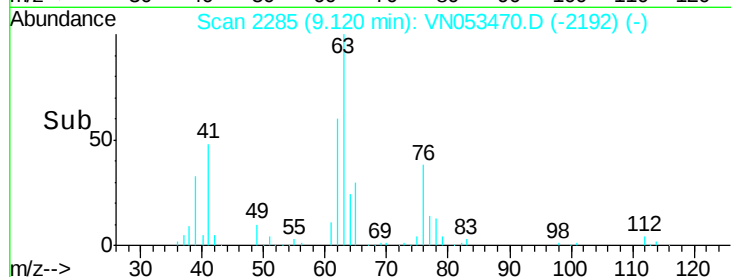
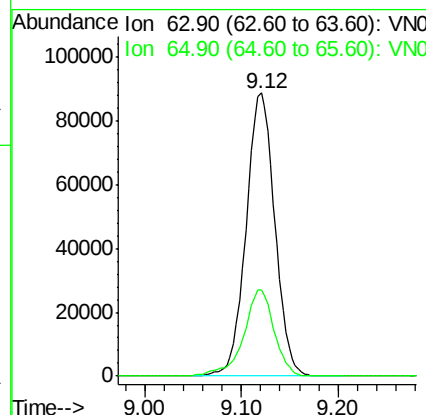
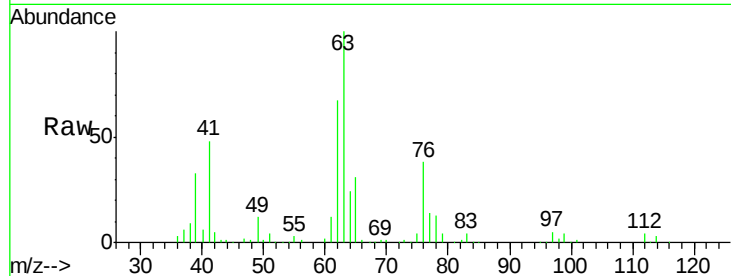




#45
 1,2-Dichloropropane
 Concen: 20.352 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

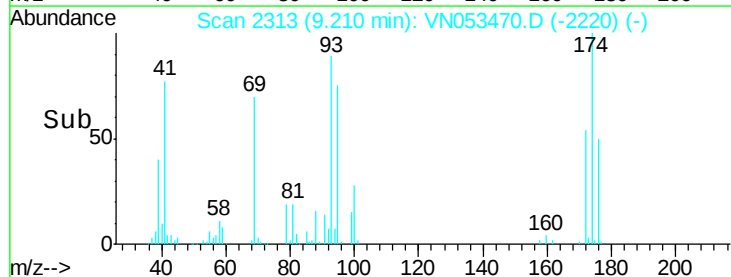
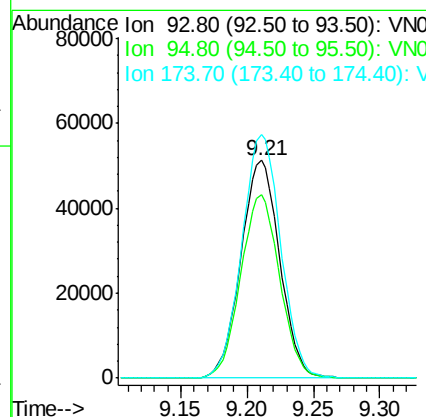
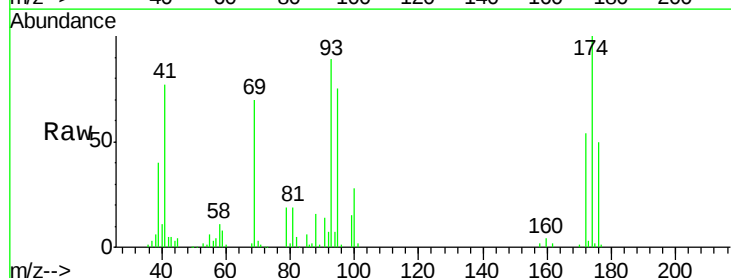
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

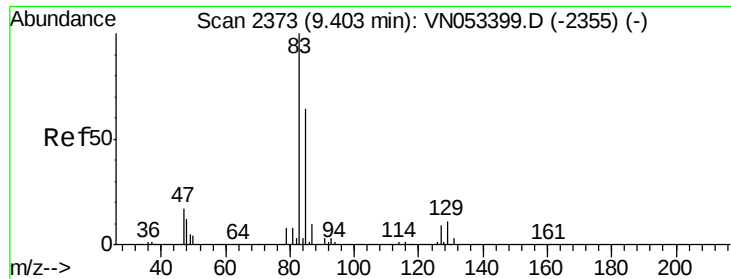
Tot Ion: 63 Resp: 182787
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4



#46
 Dibromomethane
 Concen: 20.301 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 93 Resp: 104755
 Ion Ratio Lower Upper
 93 100
 95 84.3 67.3 100.9
 174 111.9 91.0 136.4





#47

Bromodichloromethane

Concen: 20.195 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS02

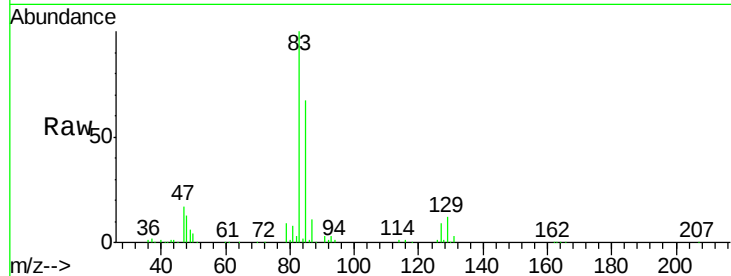
Tot Ion: 83 Resp: 219144

Ion Ratio Lower Upper

83 100

85 66.6 51.0 76.6

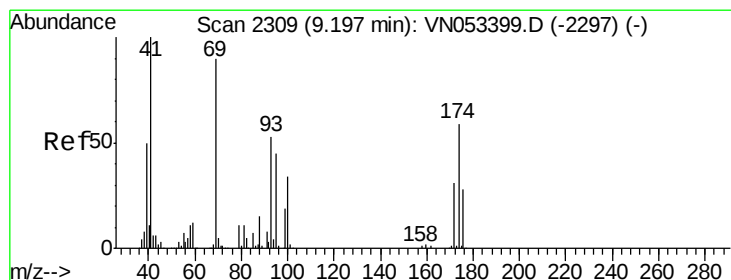
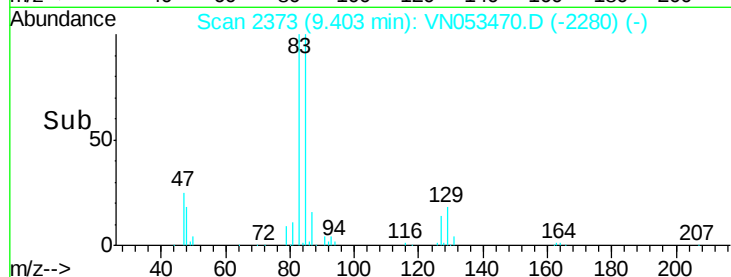
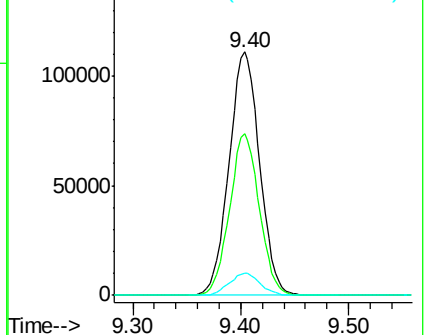
127 9.1 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.093 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

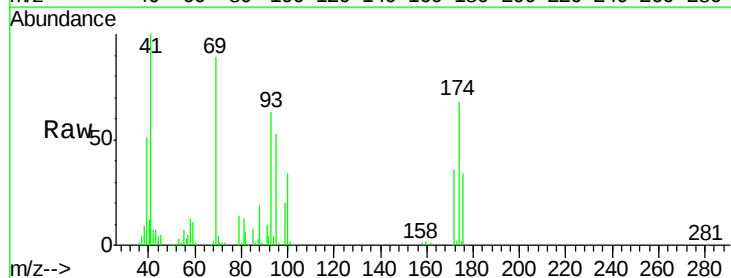
Tgt Ion: 41 Resp: 119760

Ion Ratio Lower Upper

41 100

69 93.4 73.8 110.6

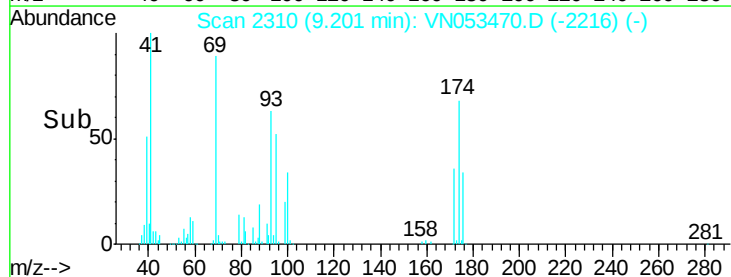
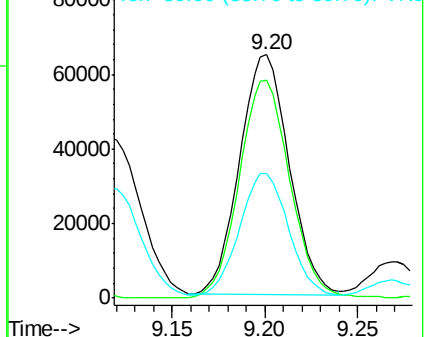
39 50.3 40.0 60.0

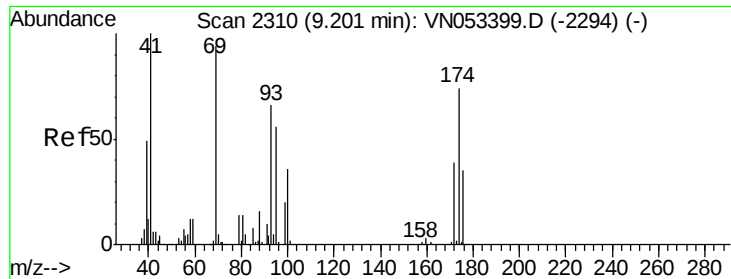


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

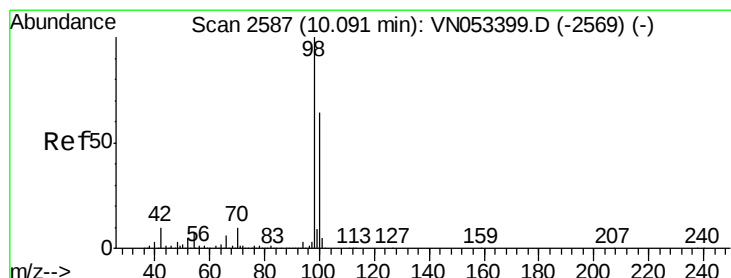
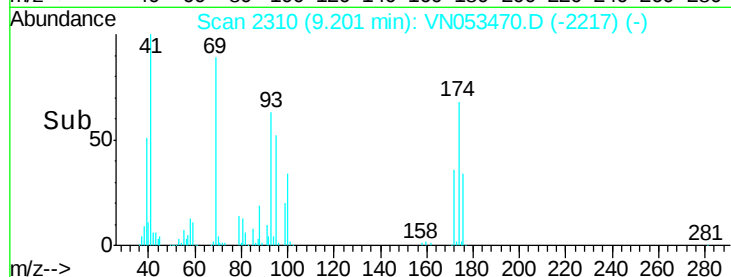
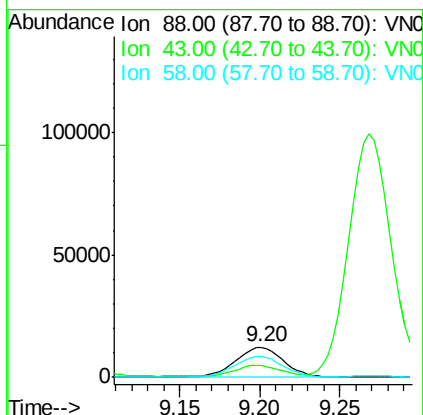
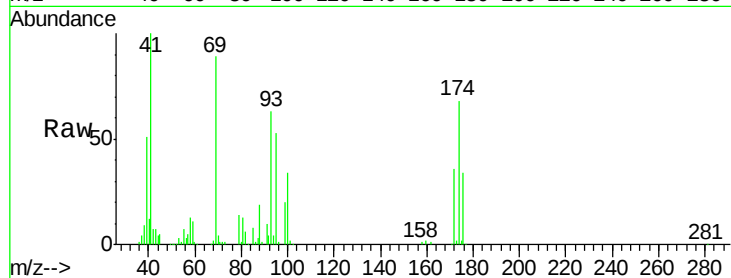




#49
1,4-Dioxane
Concen: 435.830 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

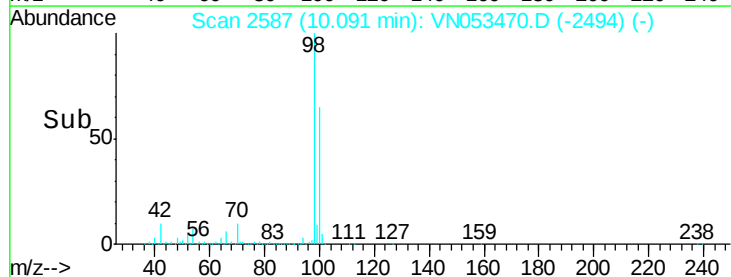
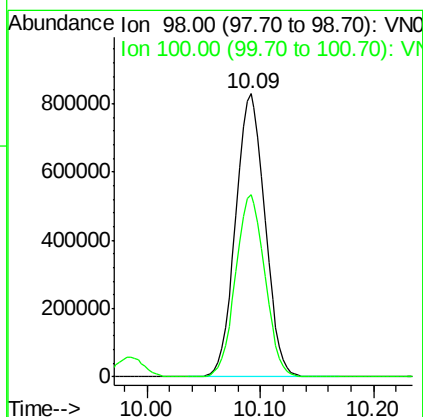
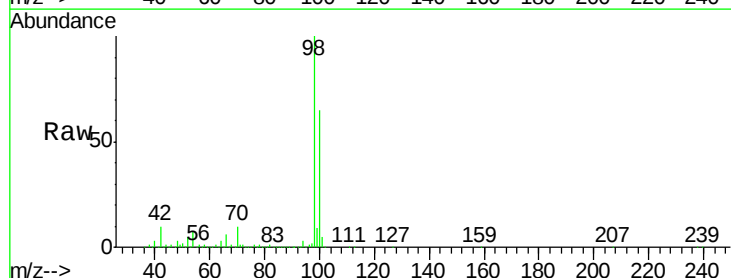
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

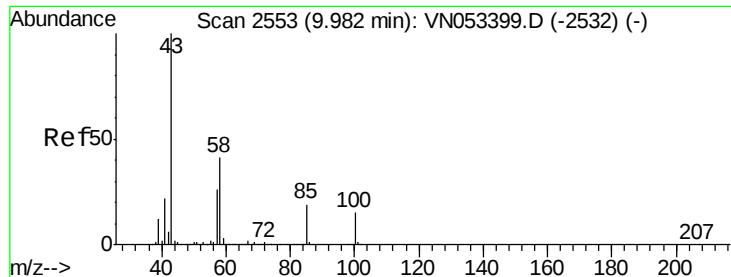
Tot Ion: 88 Resp: 25369
Ion Ratio Lower Upper
88 100
43 31.5 27.8 41.6
58 69.8 56.5 84.7



#50
Toluene-d8
Concen: 435.830 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 98 Resp: 1503792
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0

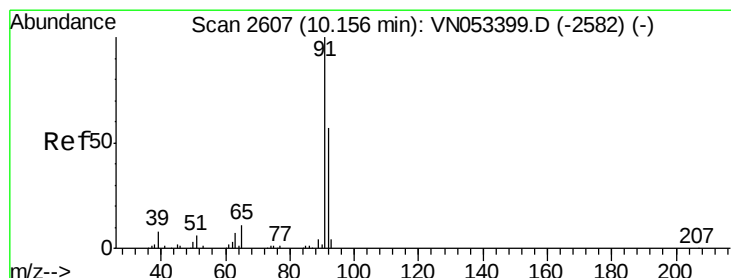
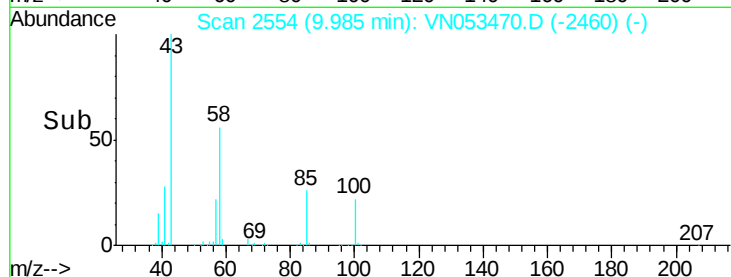
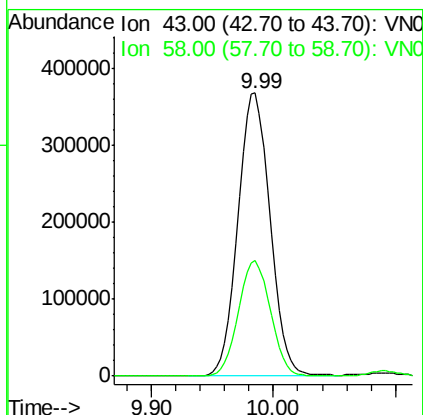
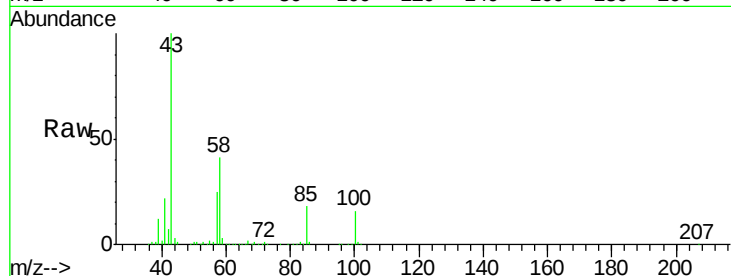




#51
 4-Methyl-2-Pentanone
 Concen: 106.215 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

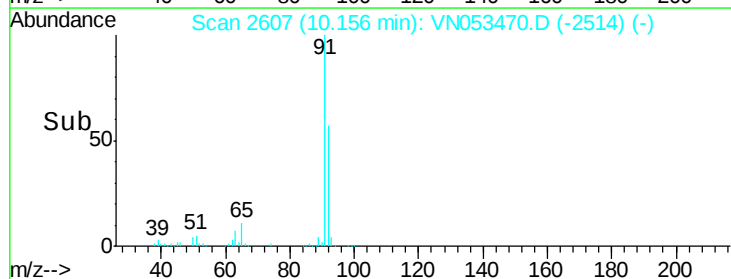
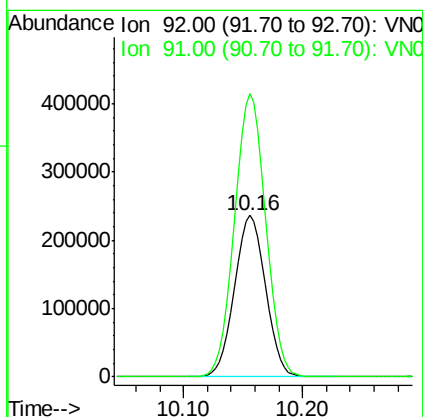
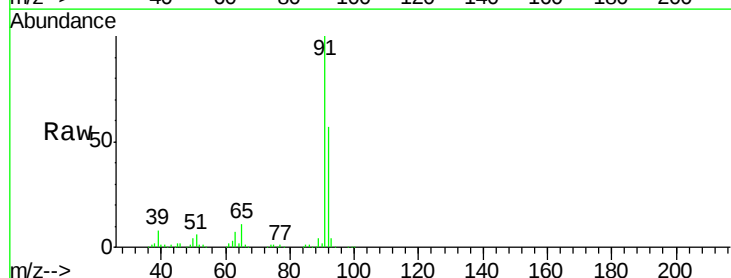
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

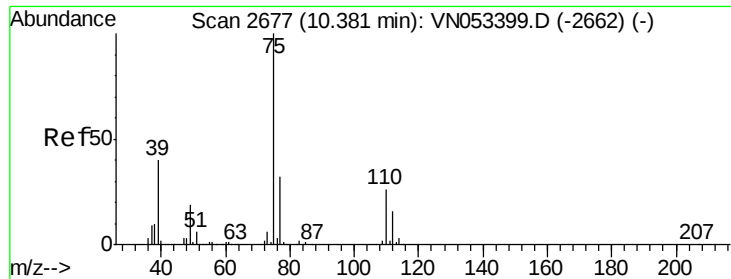
Tot Ion: 43 Resp: 669315
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 20.298 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 92 Resp: 427285
 Ion Ratio Lower Upper
 92 100
 91 176.1 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 20.204 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

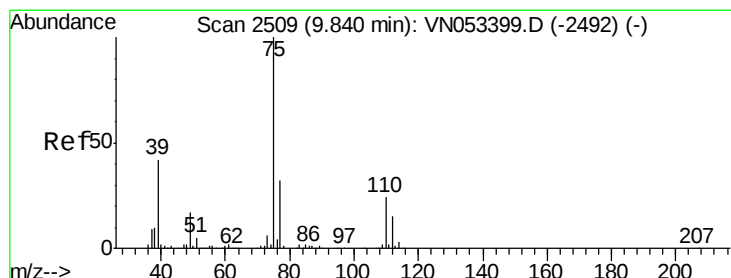
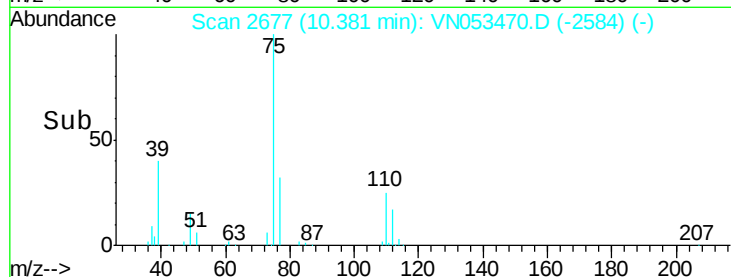
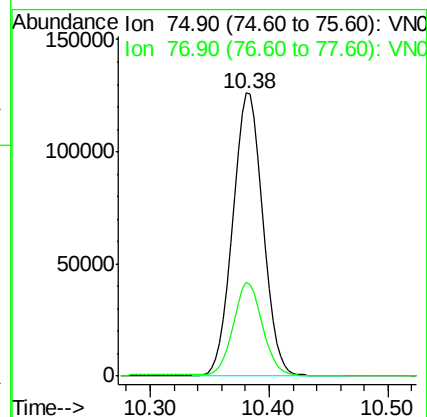
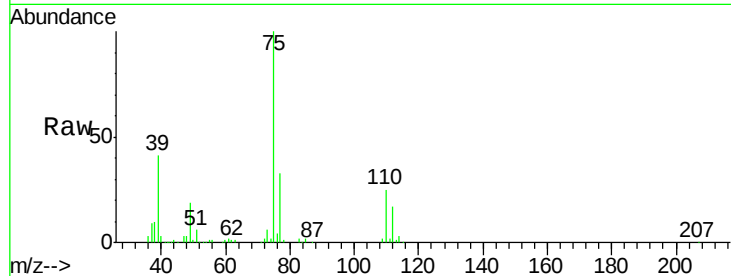
VN0118WBS02

Tot Ion: 75 Resp: 222232

Ion Ratio Lower Upper

75 100

77 32.8 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 20.143 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

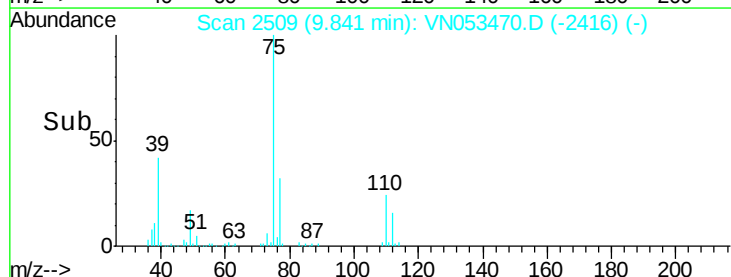
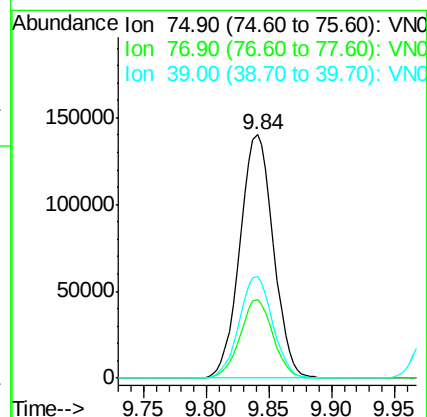
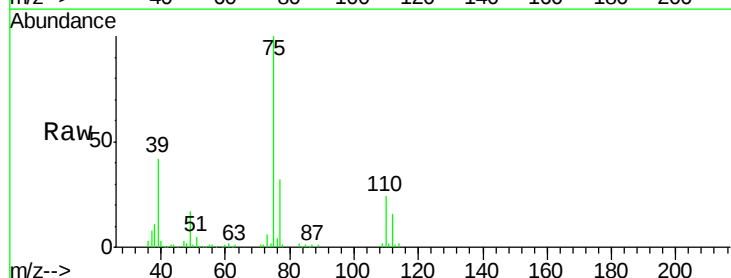
Tgt Ion: 75 Resp: 259724

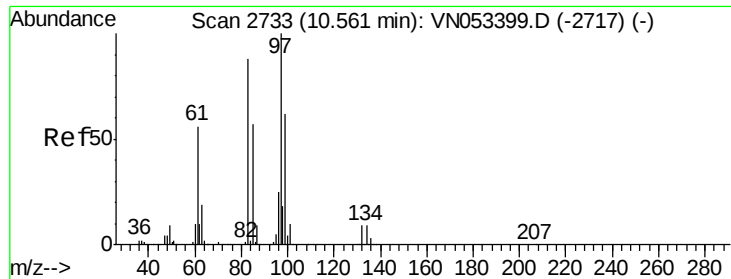
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6

39 41.6 33.4 50.0

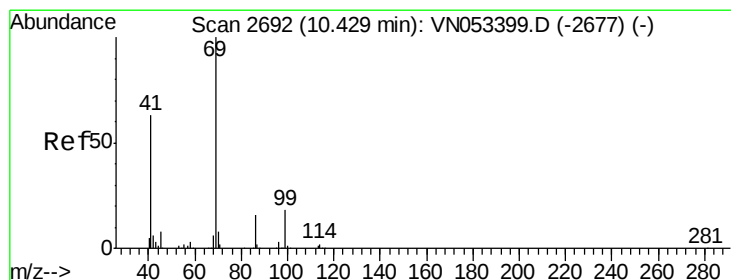
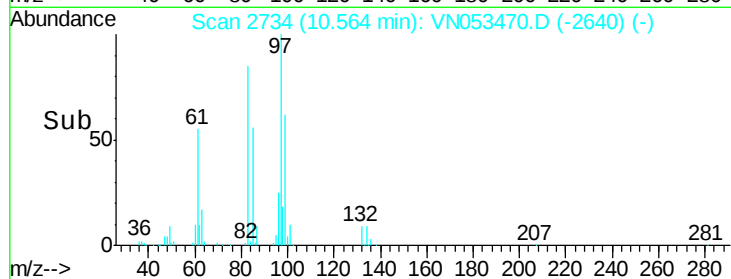
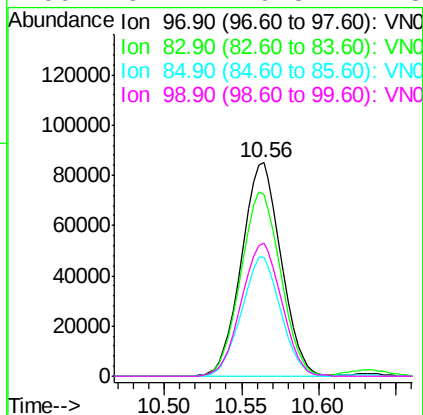
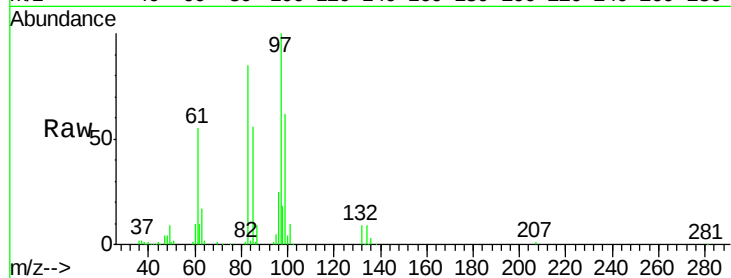




#55
 1,1,2-Trichloroethane
 Concen: 20.945 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

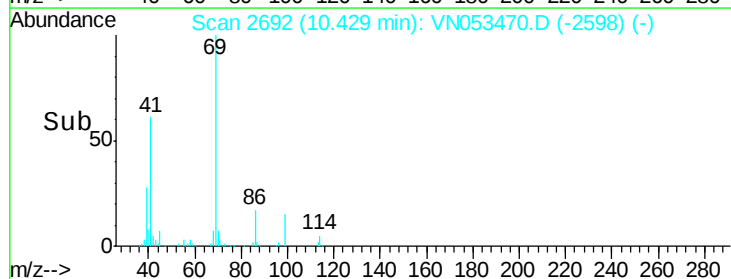
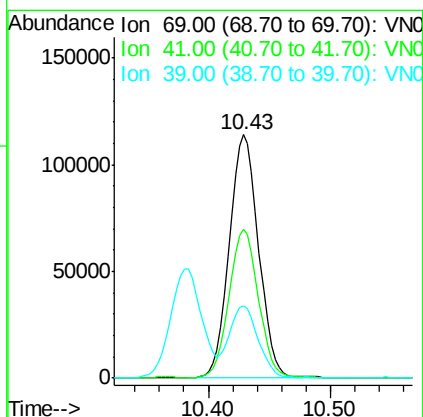
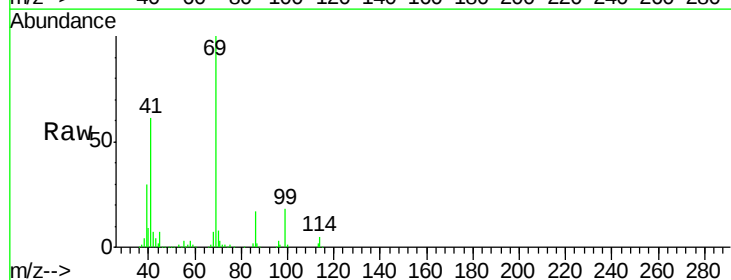
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

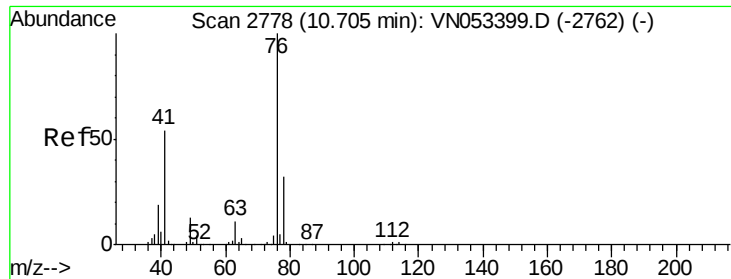
Tot Ion:	97	Resp:	152010
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.1	105.1
85	55.9	45.4	68.0
99	62.4	49.8	74.8



#56
 Ethyl methacrylate
 Concen: 19.848 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion:	69	Resp:	191104
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.0
39	29.4	23.3	34.9

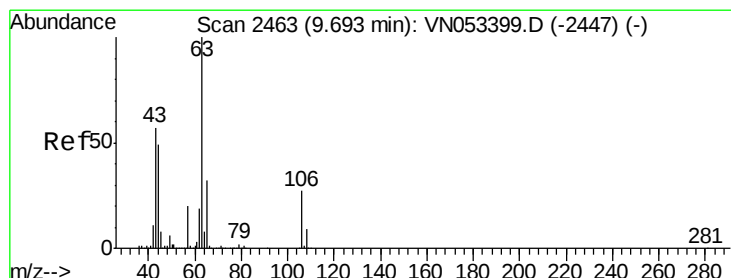
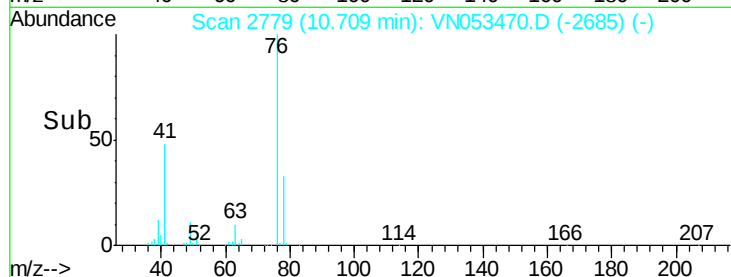
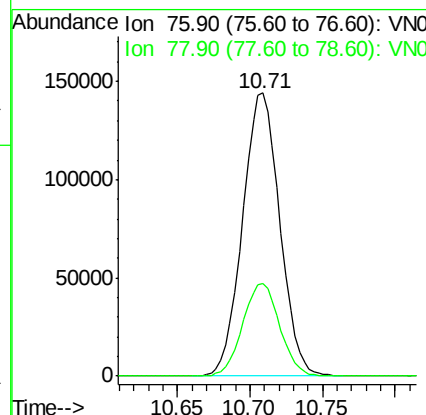
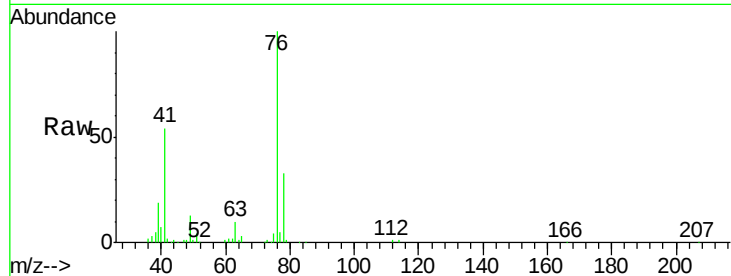




#57
 1,3-Dichloropropane
 Concen: 20.468 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

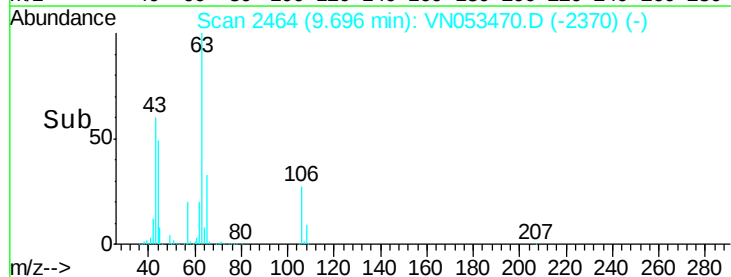
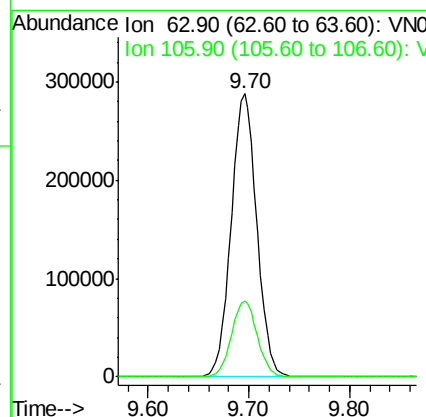
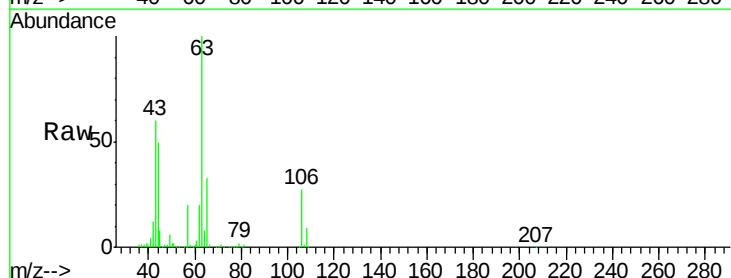
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

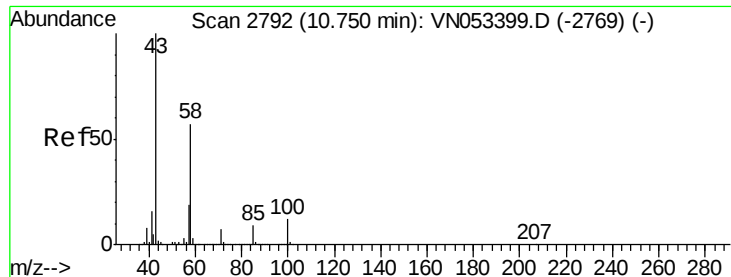
Tot Ion: 76 Resp: 256977
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.400 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 63 Resp: 509768
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.5 32.3

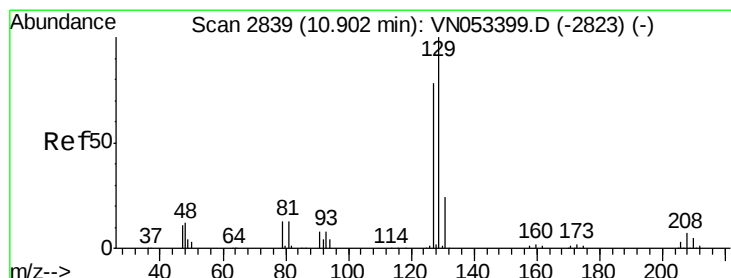
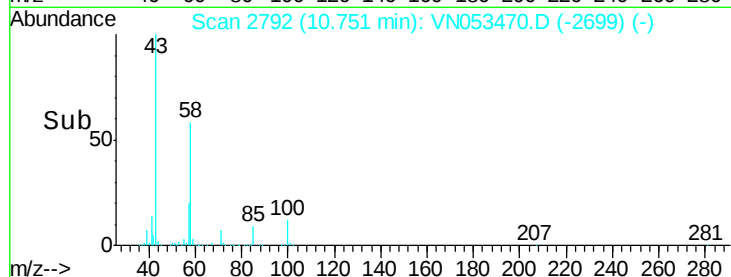
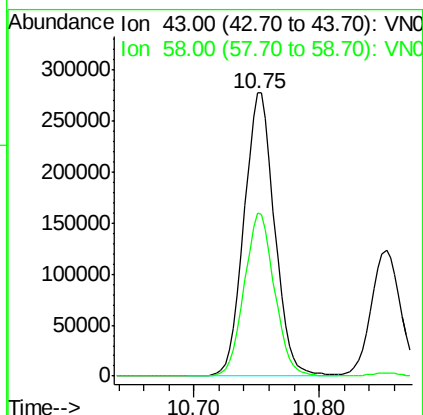
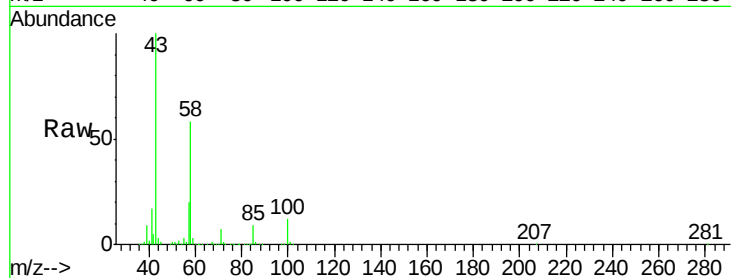




#59
2-Hexanone
Concen: 106.238 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

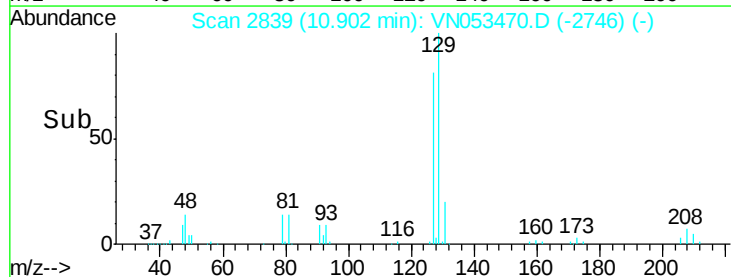
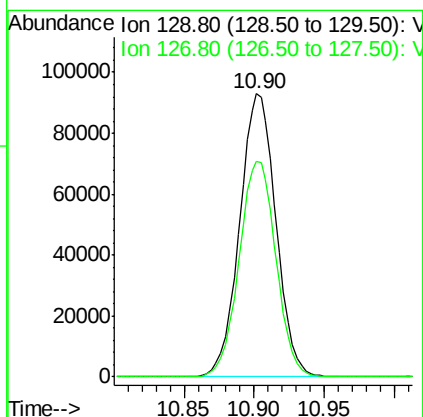
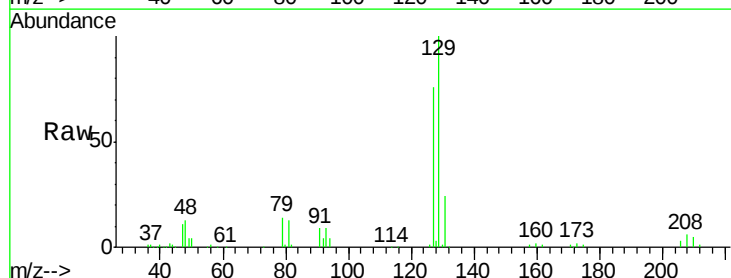
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

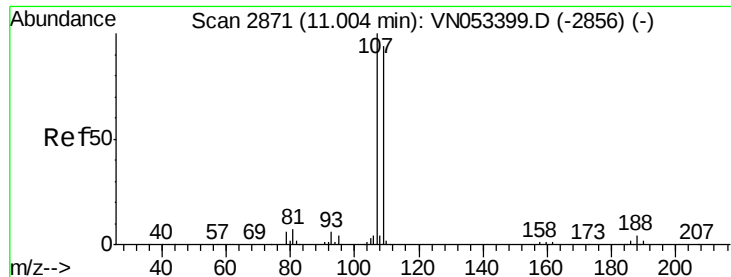
Tot Ion: 43 Resp: 469955
Ion Ratio Lower Upper
43 100
58 57.0 28.6 85.8



#60
Dibromochloromethane
Concen: 20.324 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:129 Resp: 167302
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

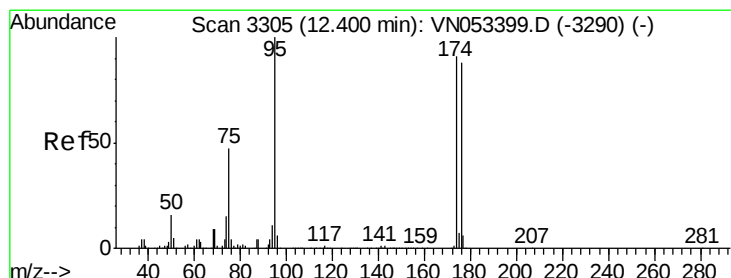
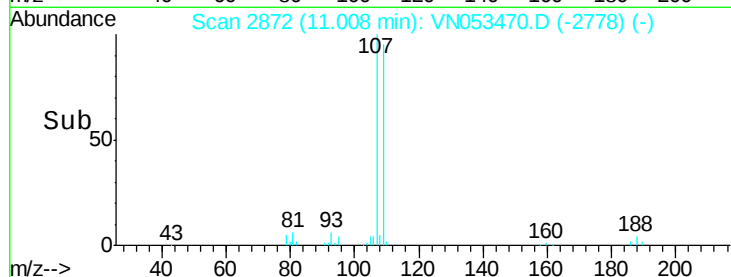
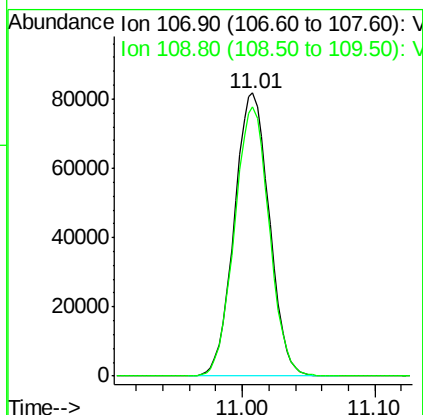
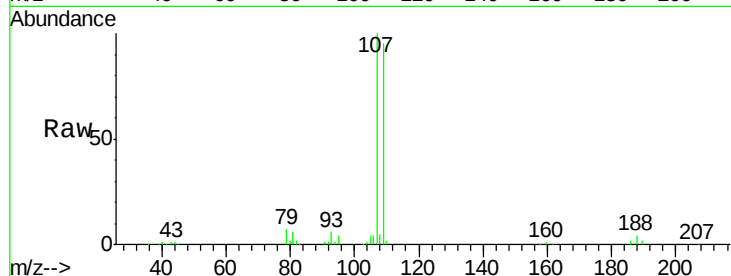




#61
 1,2-Dibromoethane
 Concen: 20.401 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

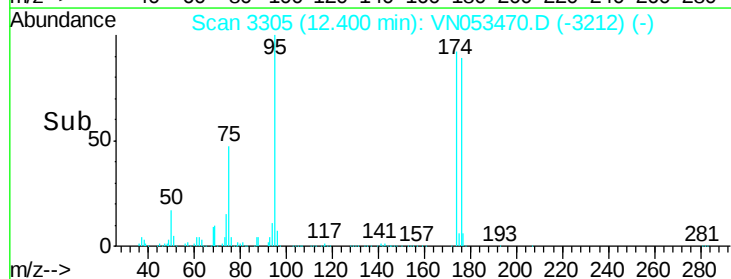
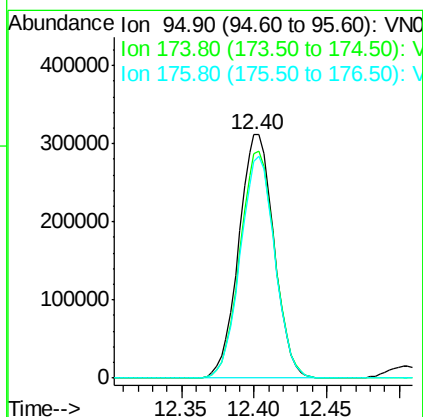
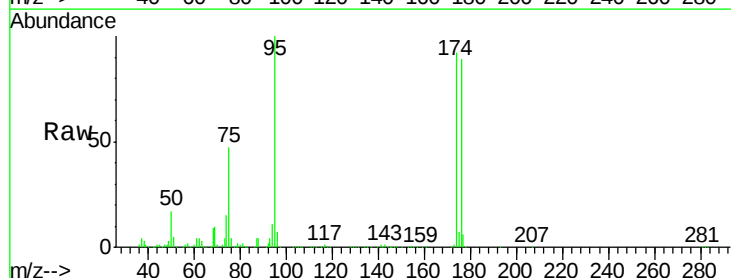
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

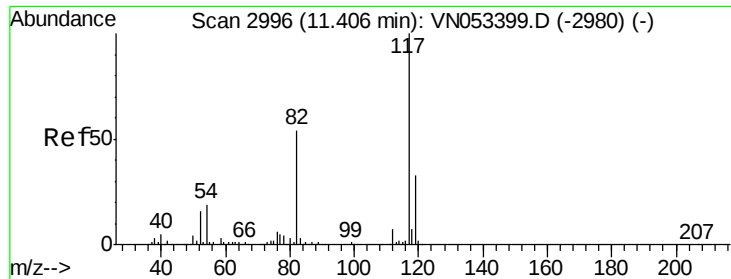
Tot Ion:107 Resp: 149745
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 20.401 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion: 95 Resp: 525871
 Ion Ratio Lower Upper
 95 100
 174 92.0 0.0 183.2
 176 89.3 0.0 177.4

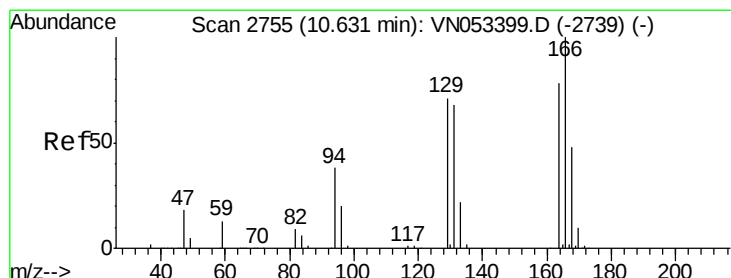
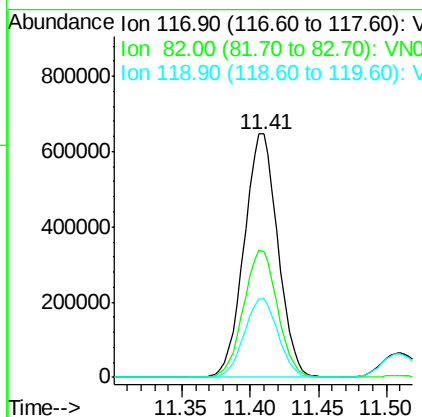
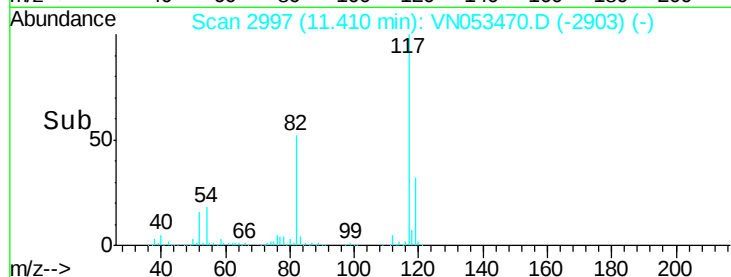
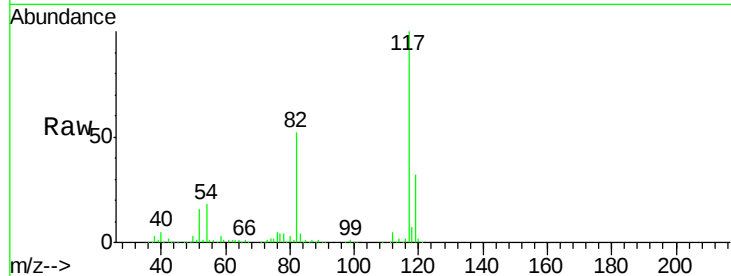




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

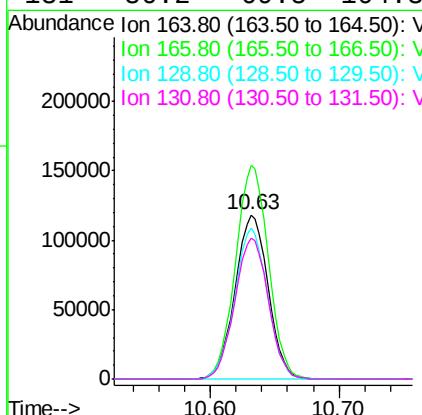
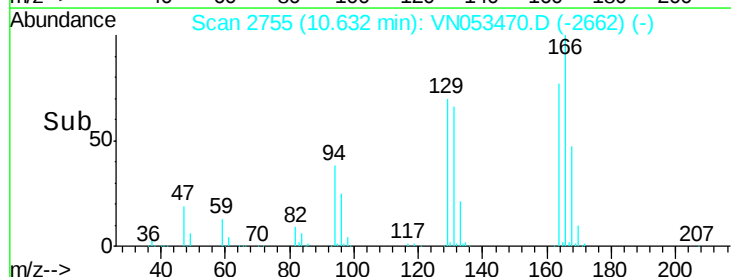
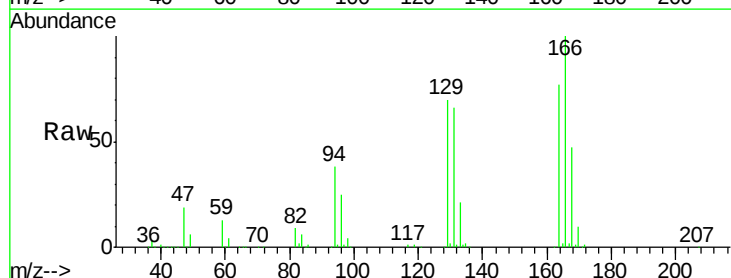
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

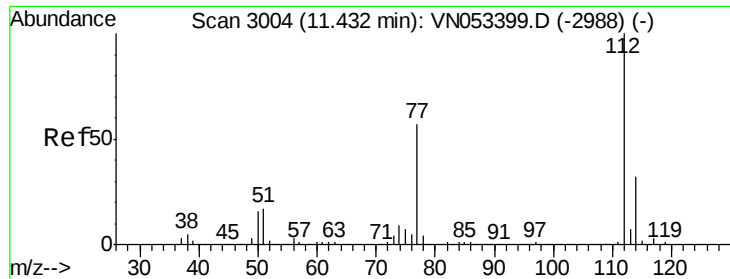
Tot Ion:117 Resp: 1108839
Ion Ratio Lower Upper
117 100
82 51.7 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 20.117 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:164 Resp: 210213
Ion Ratio Lower Upper
164 100
166 130.3 102.2 153.4
129 91.8 72.6 109.0
131 86.2 69.5 104.3

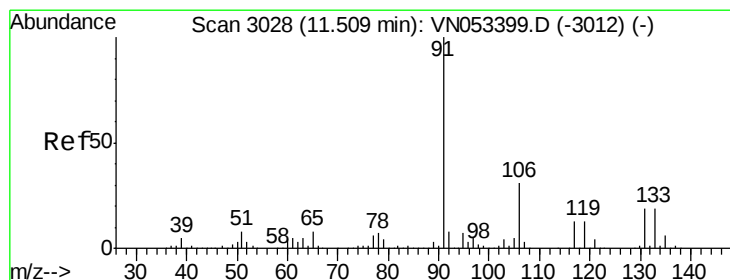
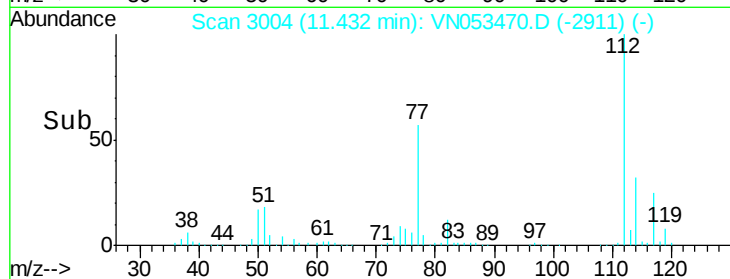
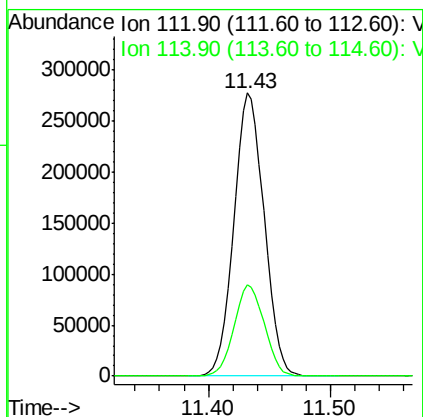
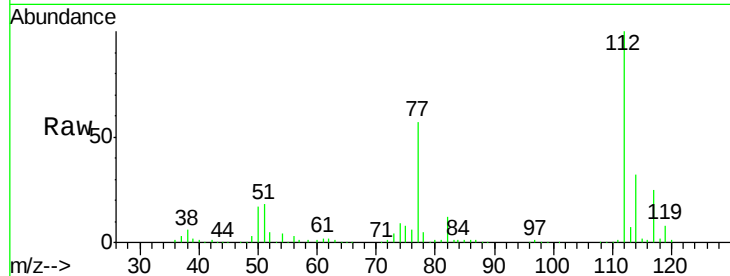




#65
Chlorobenzene
Concen: 20.313 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

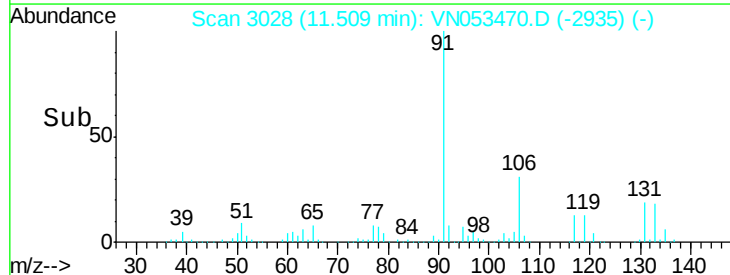
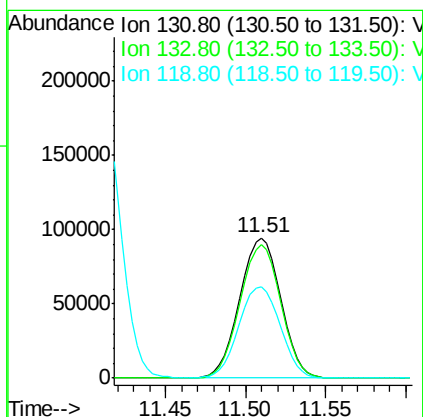
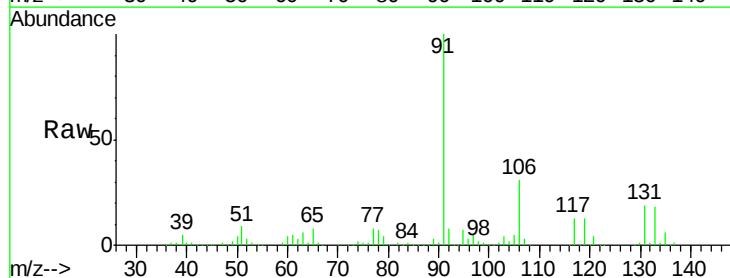
Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

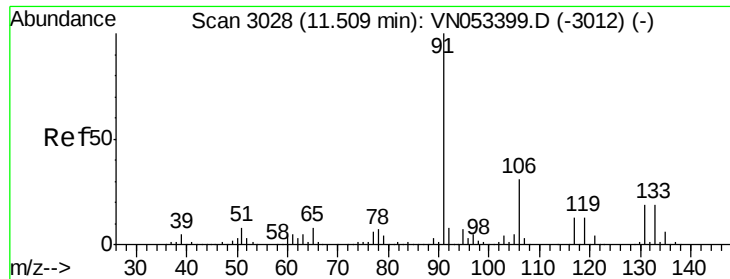
Tot Ion:112 Resp: 476757
Ion Ratio Lower Upper
112 100
114 32.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.292 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:131 Resp: 165684
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 65.8 33.5 100.5

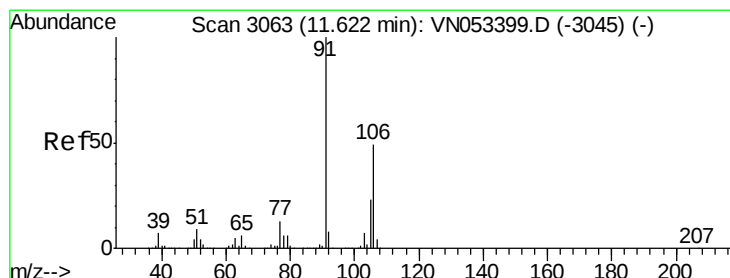
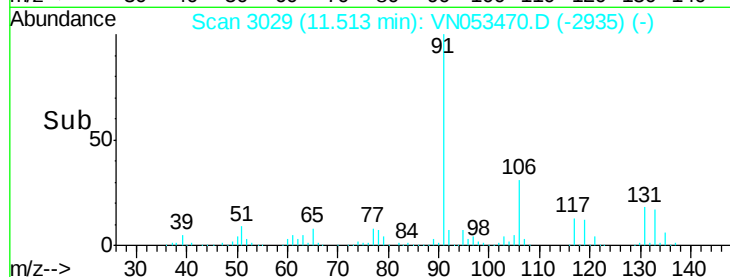
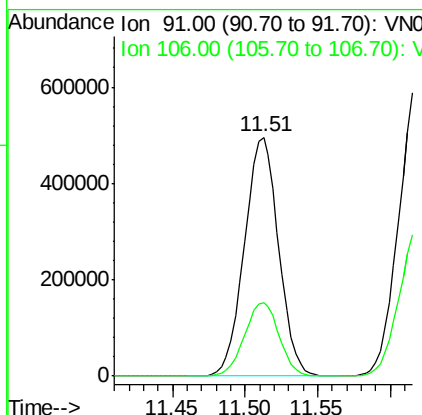
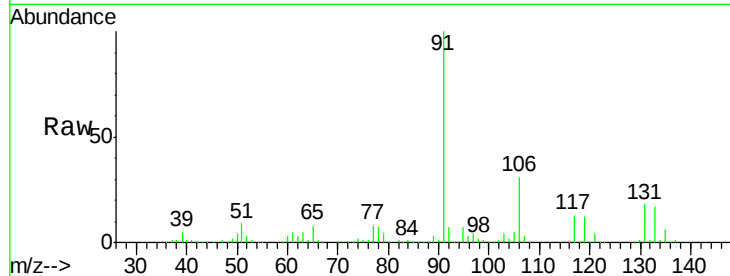




#67
Ethyl Benzene
Concen: 20.289 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

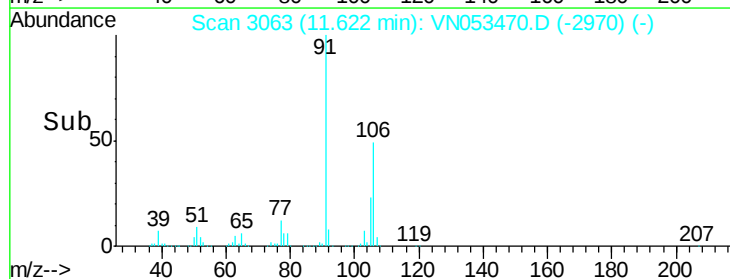
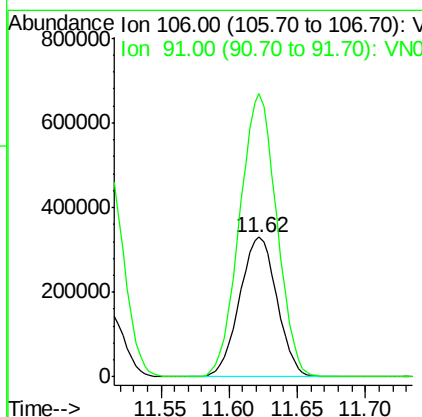
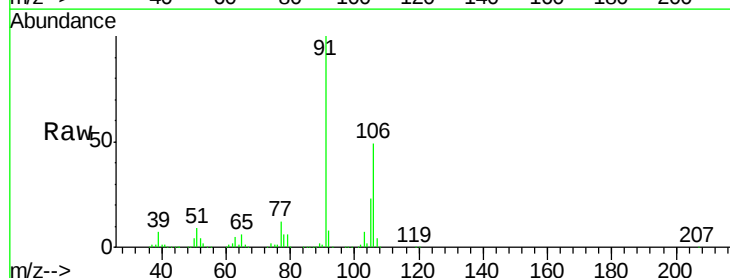
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS02

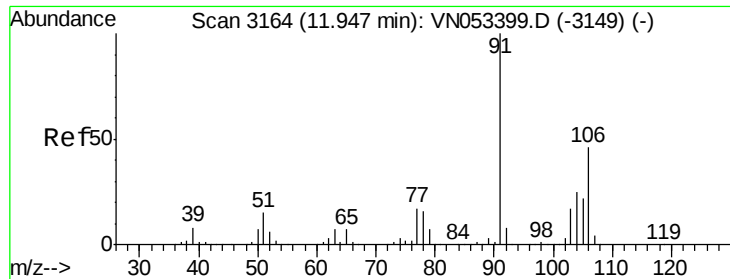
Tot Ion: 91 Resp: 811556
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6



#68
m/p-Xylenes
Concen: 41.743 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 106 Resp: 630403
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2

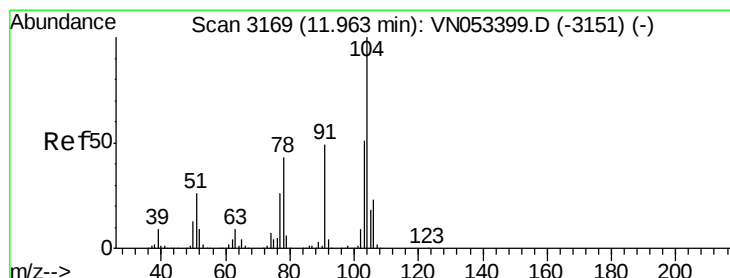
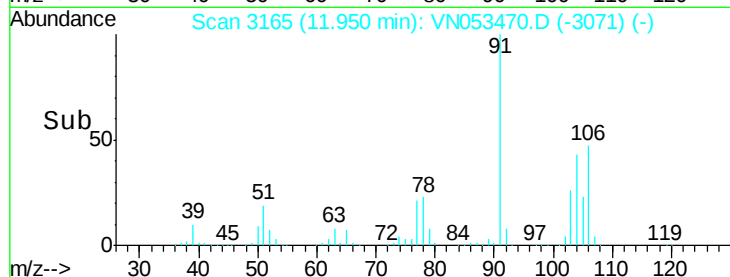
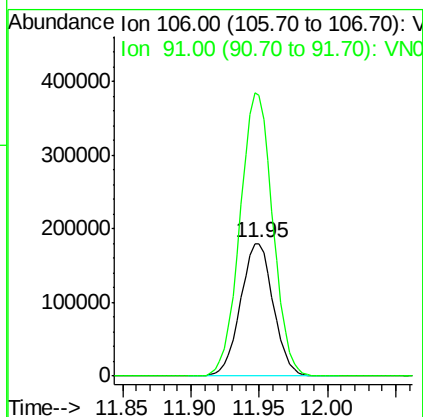
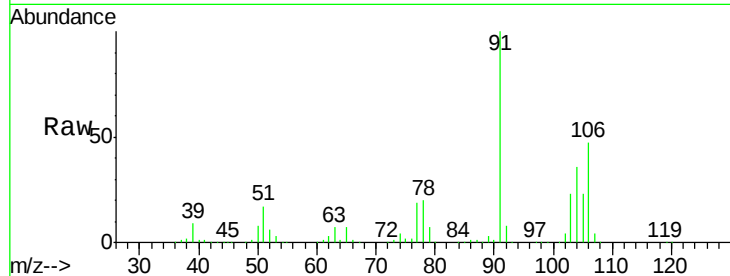




#69
o-Xylene
Concen: 20.422 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

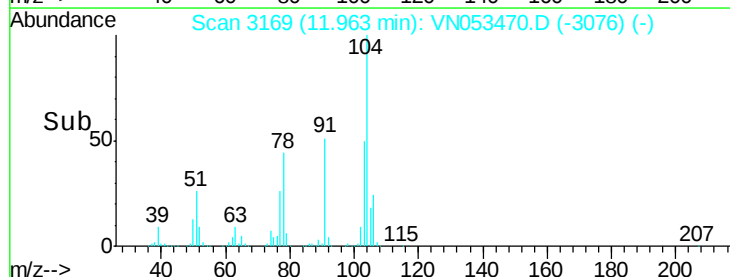
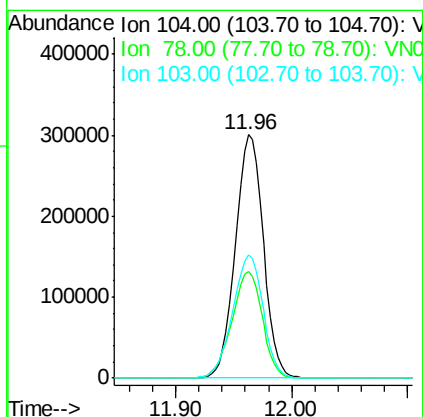
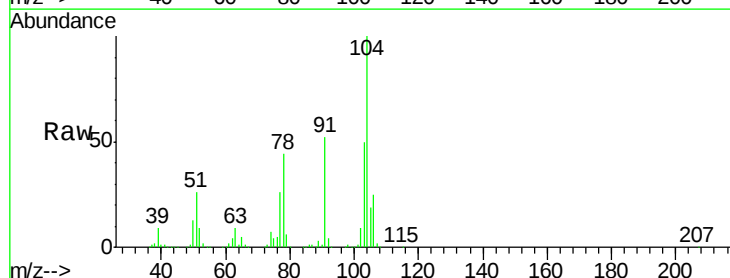
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS02

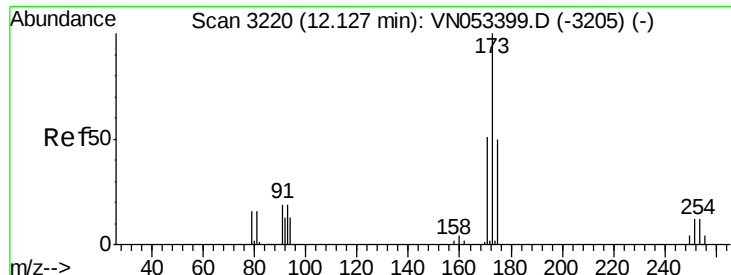
Tot Ion:106 Resp: 299676
Ion Ratio Lower Upper
106 100
91 213.7 106.9 320.8



#70
Styrene
Concen: 21.056 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:104 Resp: 501480
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 54.9 44.4 66.6

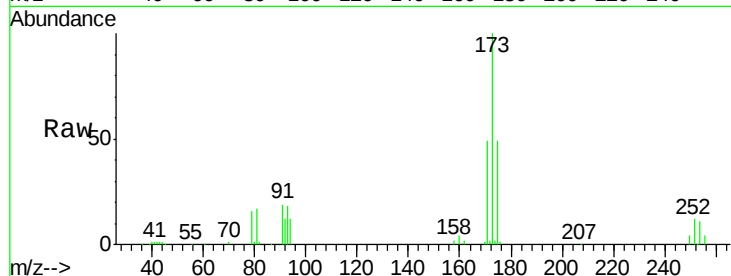




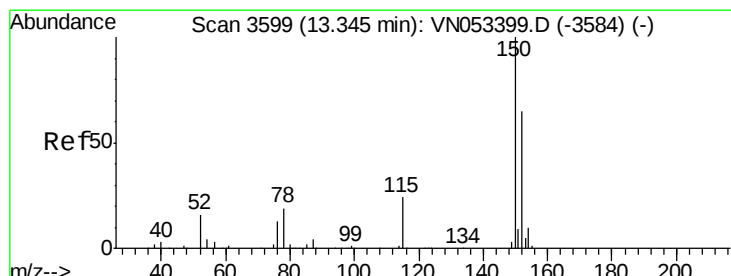
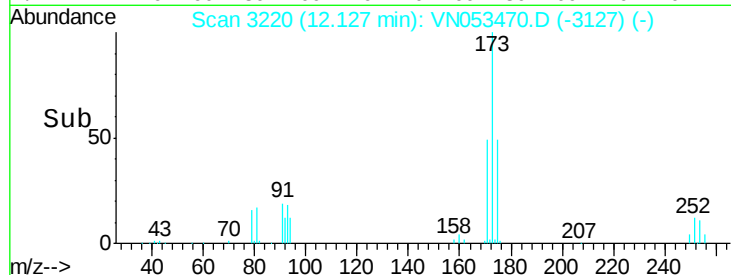
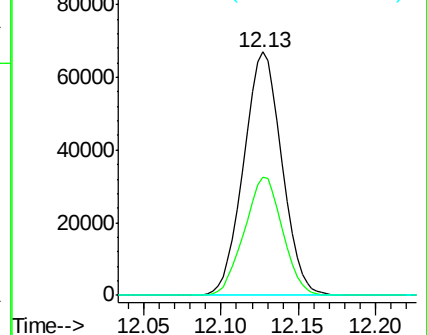
#71
Bromoform
Concen: 20.526 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS02

Tot Ion:173 Resp: 115379
Ion Ratio Lower Upper
173 100
175 48.6 24.6 74.0
254 0.0 0.2 0.2#

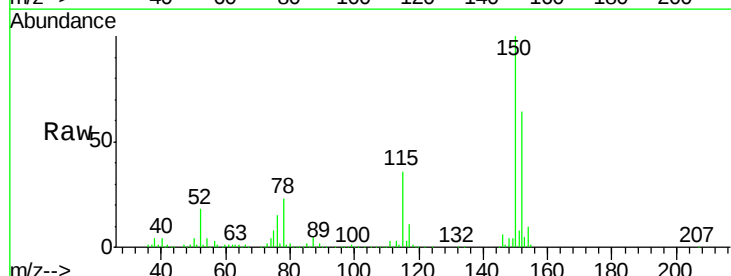


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

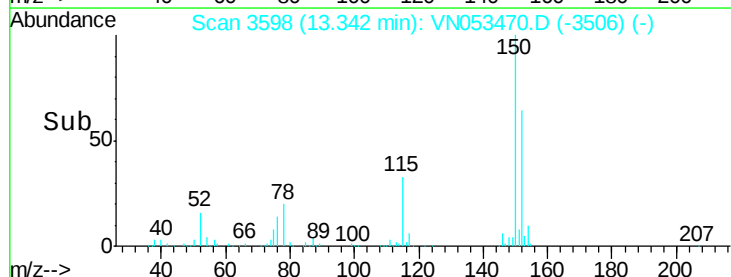
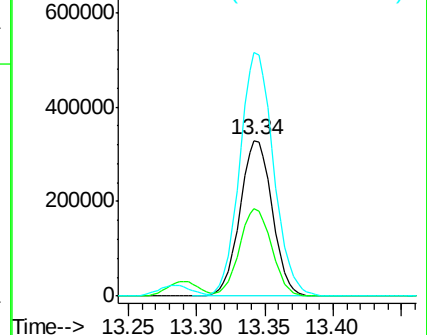


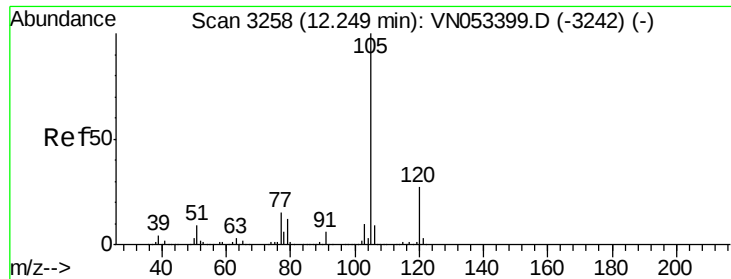
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion:152 Resp: 539445
Ion Ratio Lower Upper
152 100
115 56.0 27.8 83.4
150 164.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.459 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

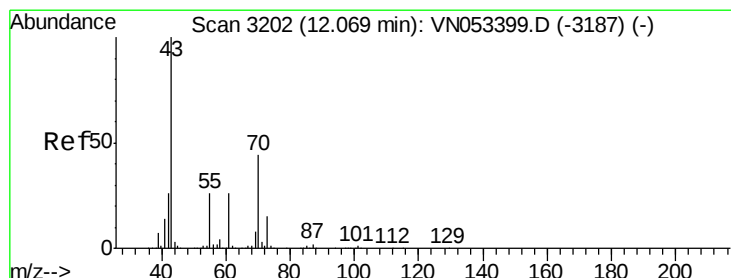
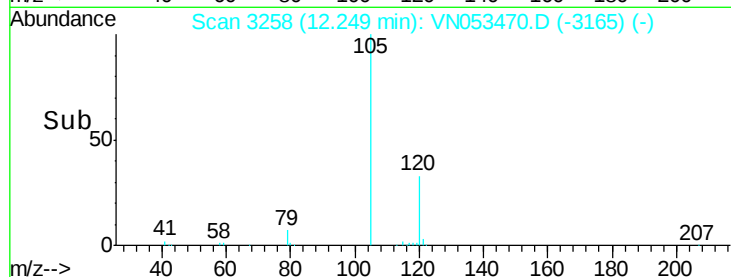
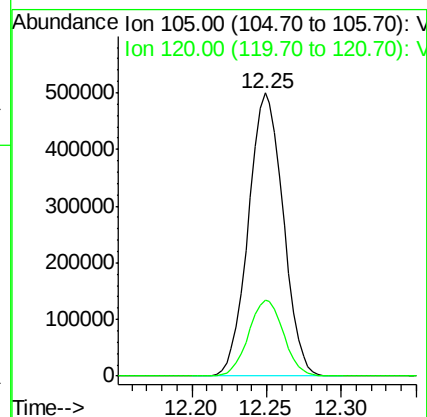
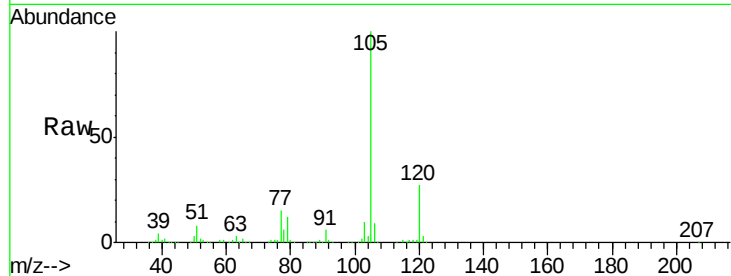
VN0118WBS02

Tot Ion:105 Resp: 808208

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 20.526 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Tgt Ion: 43 Resp: 216160

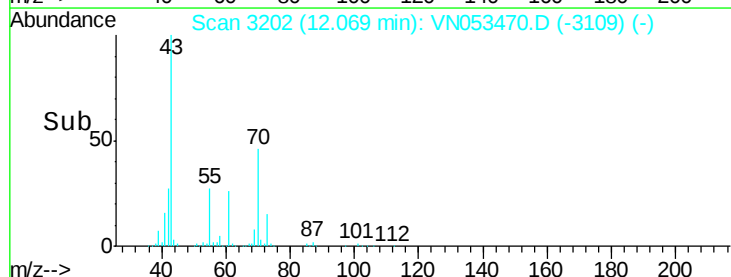
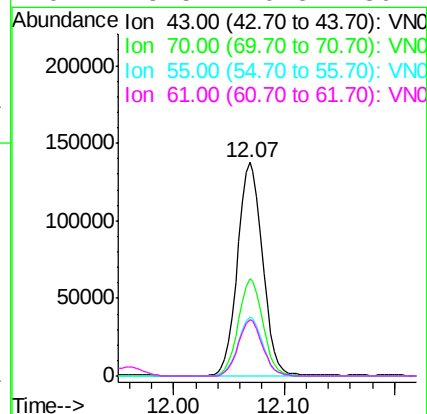
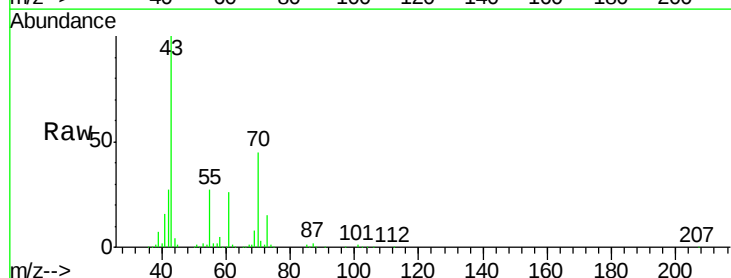
Ion Ratio Lower Upper

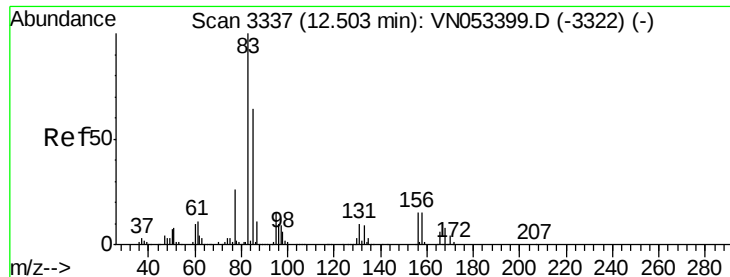
43 100

70 44.7 35.4 53.2

55 27.0 20.9 31.3

61 25.5 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.029 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS02

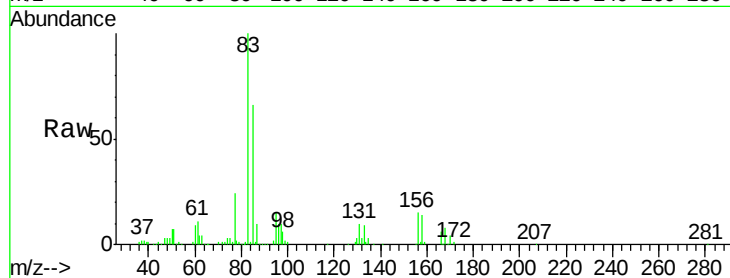
Tot Ion: 83 Resp: 174226

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

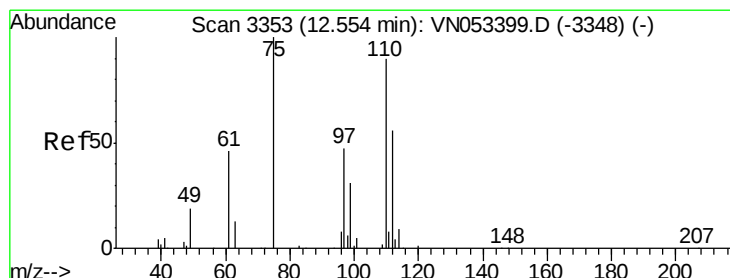
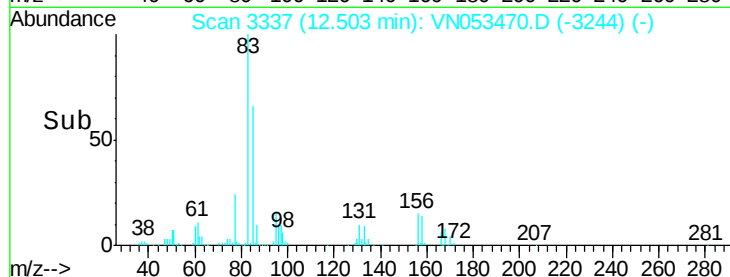
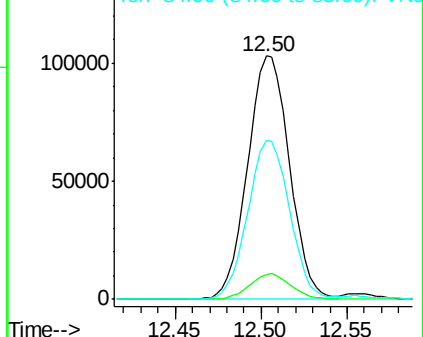
85 65.2 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.354 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053470.D

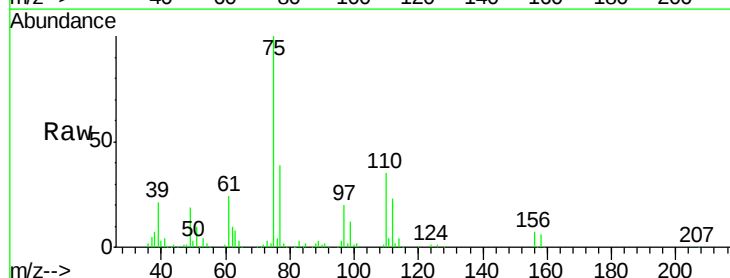
Acq: 18 Jan 2019 14:23

Tgt Ion: 75 Resp: 229997

Ion Ratio Lower Upper

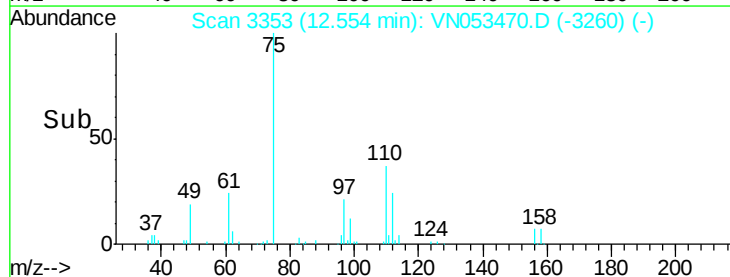
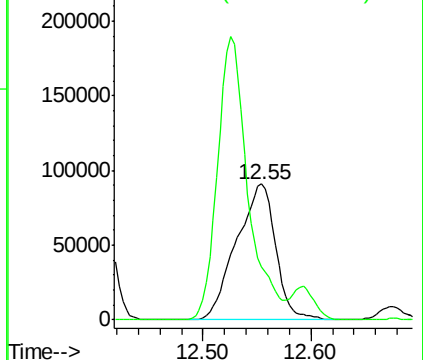
75 100

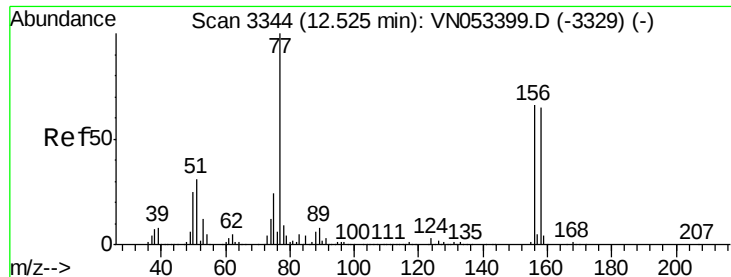
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.409 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS02

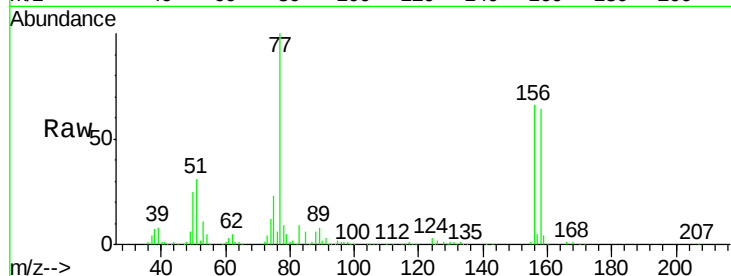
Tot Ion:156 Resp: 212444

Ion Ratio Lower Upper

156 100

77 175.5 87.9 263.8

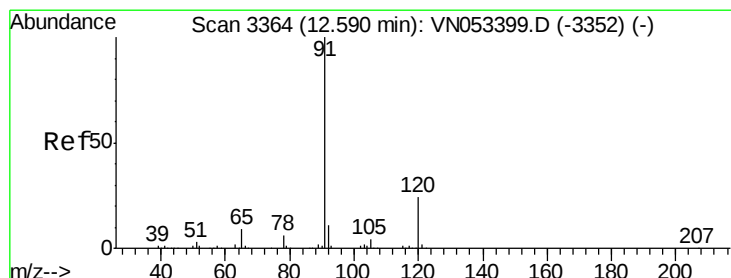
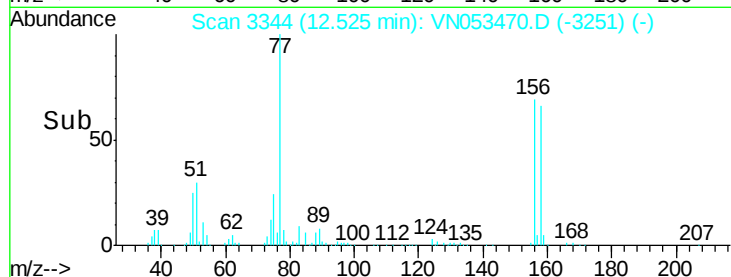
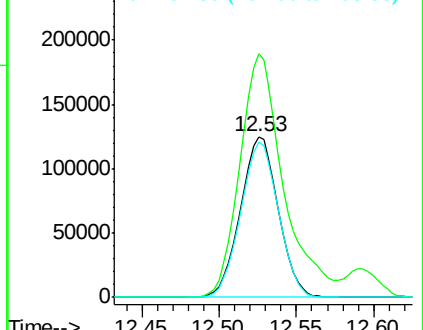
158 96.5 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.633 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053470.D

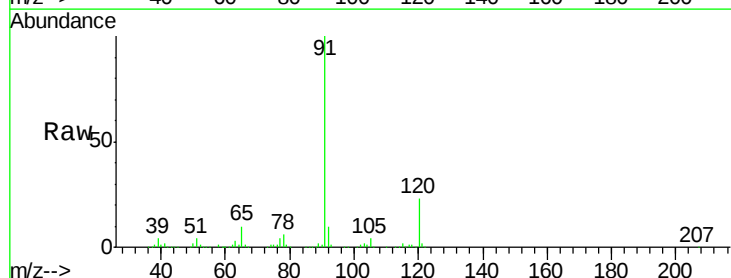
Acq: 18 Jan 2019 14:23

Tgt Ion: 91 Resp: 935607

Ion Ratio Lower Upper

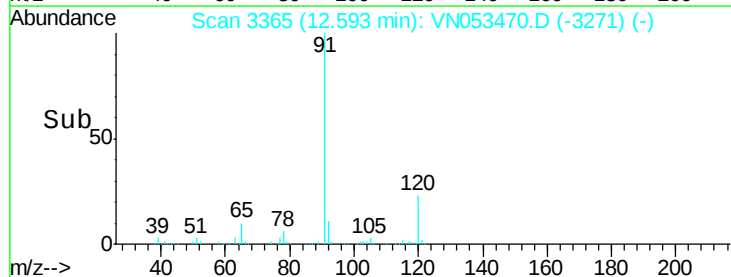
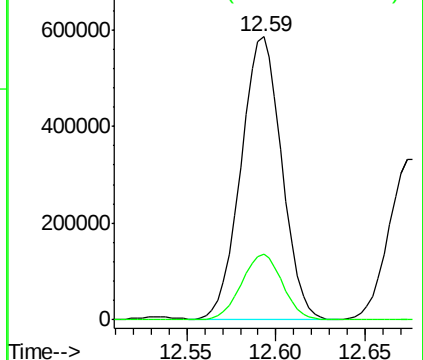
91 100

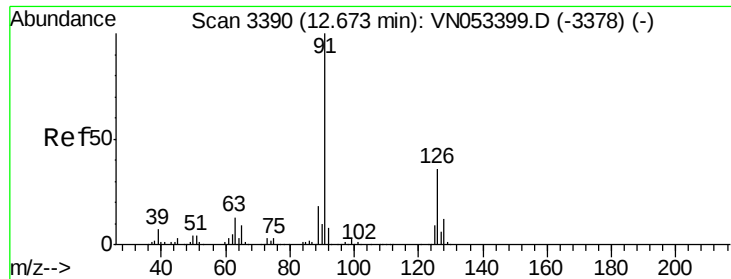
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.509 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

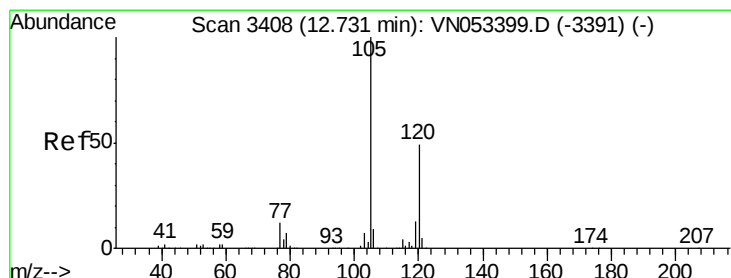
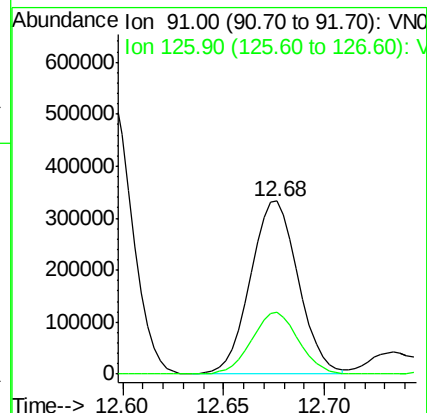
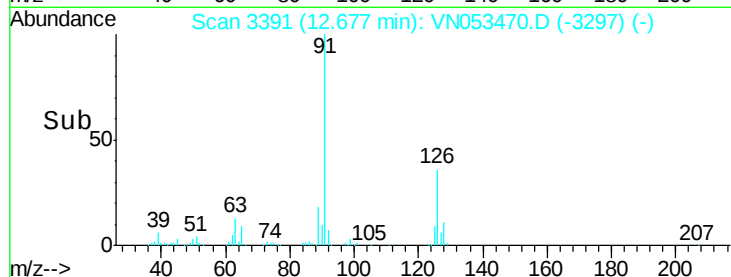
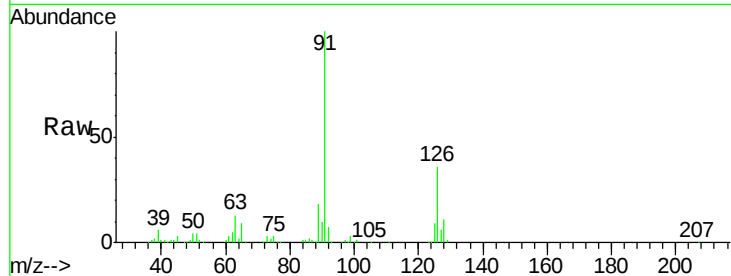
VN0118WBS02

Tot Ion: 91 Resp: 551237

Ion Ratio Lower Upper

91 100

126 35.3 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.722 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053470.D

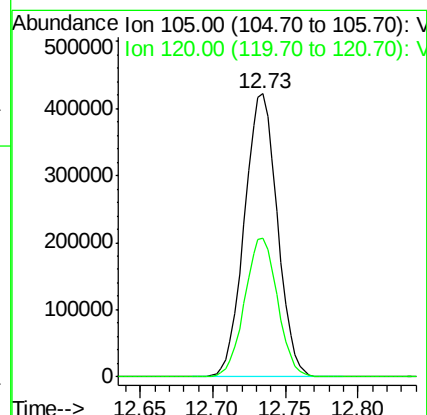
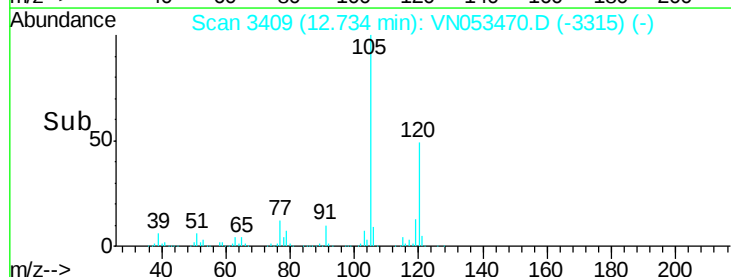
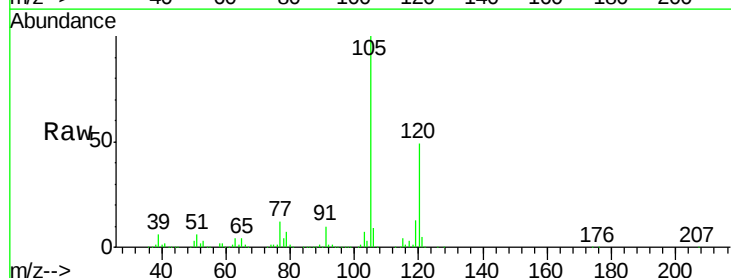
Acq: 18 Jan 2019 14:23

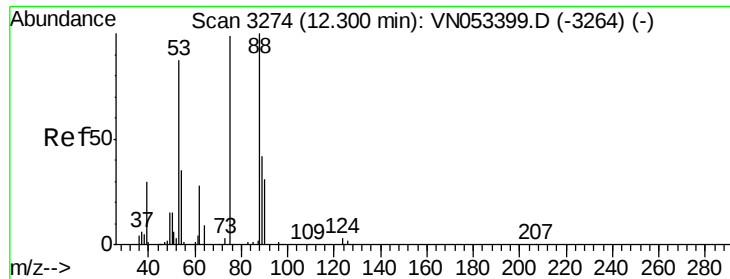
Tgt Ion: 105 Resp: 666031

Ion Ratio Lower Upper

105 100

120 48.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 19.779 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

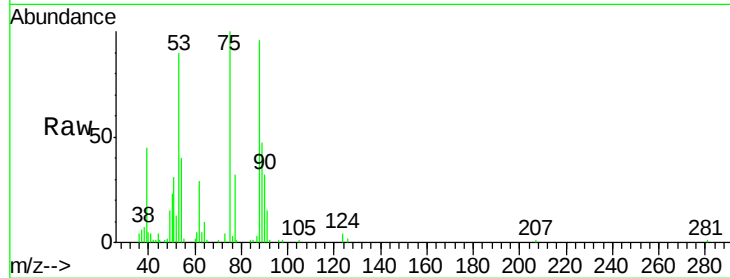
Tot Ion: 75 Resp: 51029

Ion Ratio Lower Upper

75 100

53 89.9 69.8 104.6

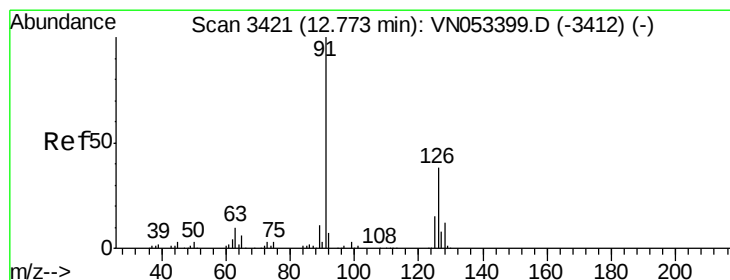
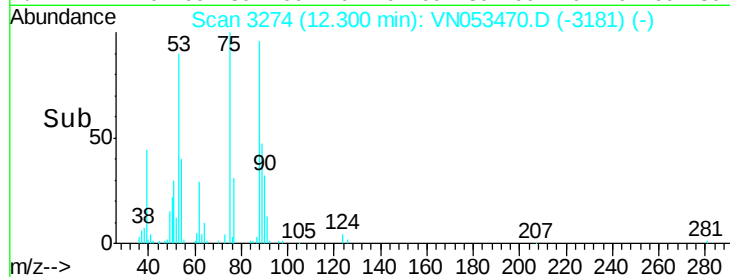
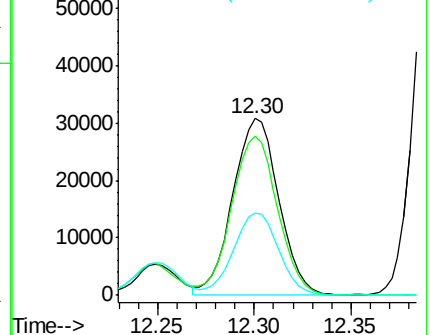
89 45.8 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.556 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053470.D

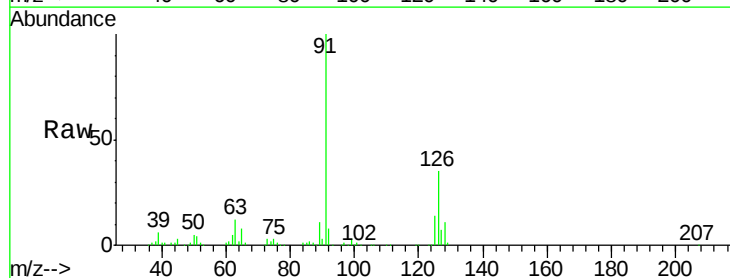
Acq: 18 Jan 2019 14:23

Tgt Ion: 91 Resp: 563447

Ion Ratio Lower Upper

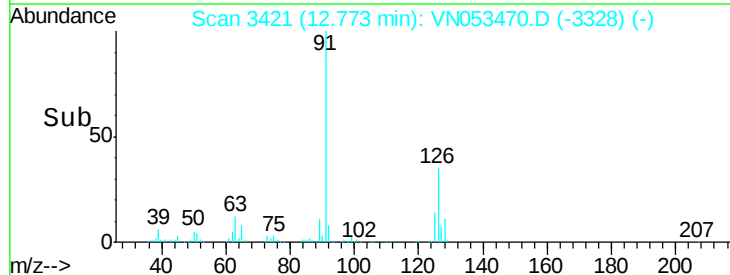
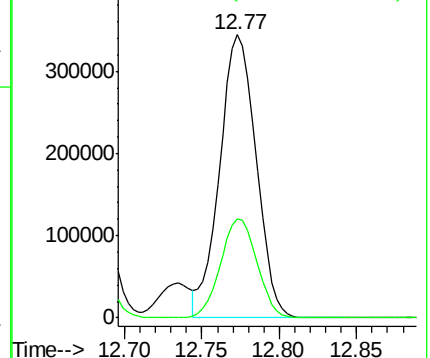
91 100

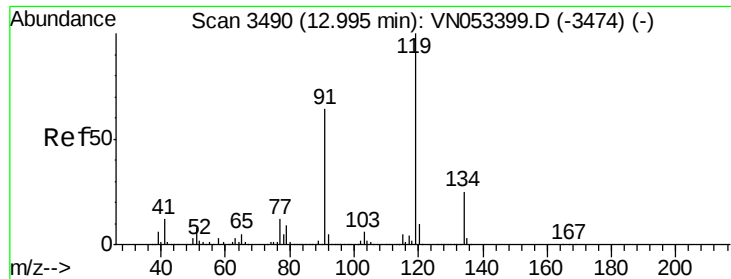
126 35.1 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

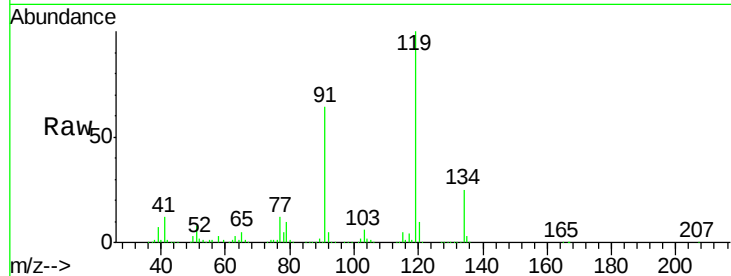




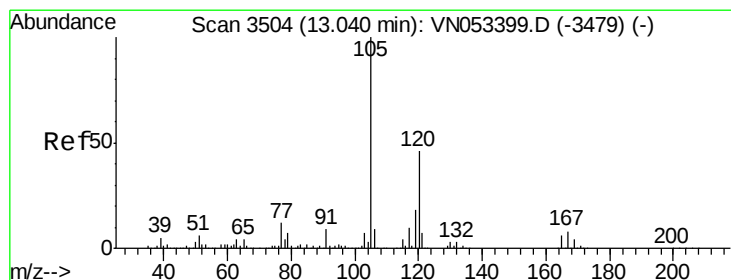
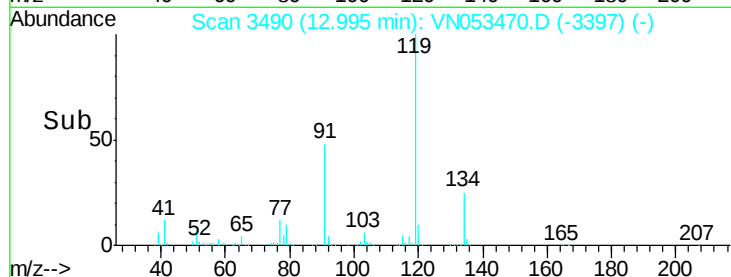
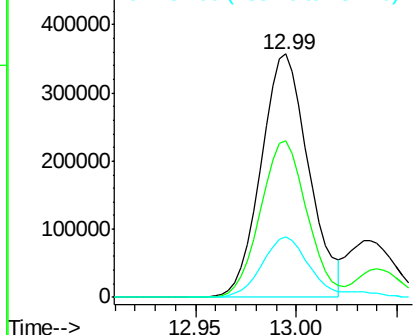
#83
 tert-Butylbenzene
 Concen: 20.627 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS02

Tot Ion:119 Resp: 585553
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.3 93.8
 134 26.0 12.9 38.7

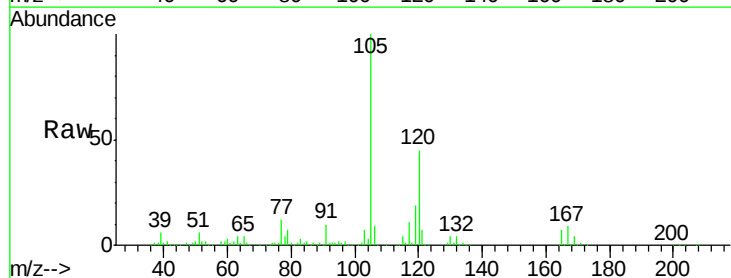


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

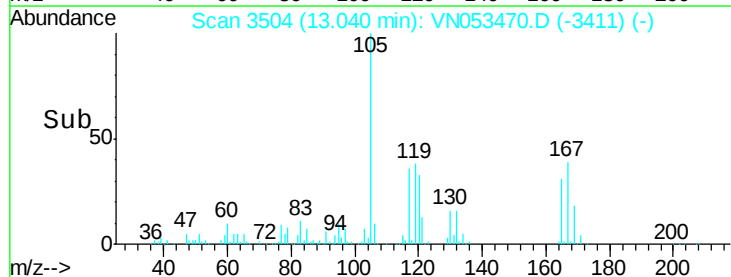
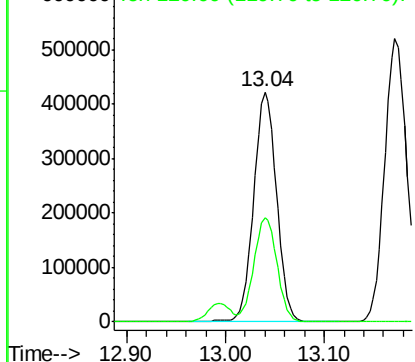


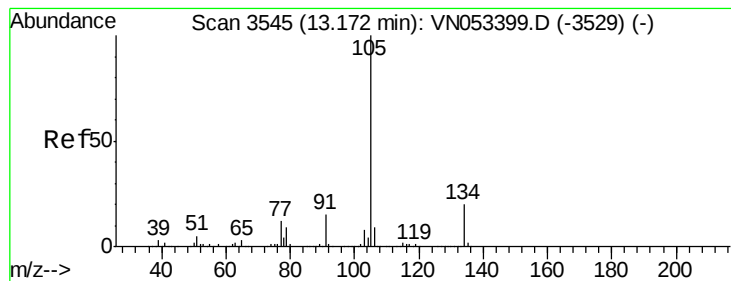
#84
 1,2,4-Trimethylbenzene
 Concen: 20.773 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053470.D
 Acq: 18 Jan 2019 14:23

Tgt Ion:105 Resp: 673228
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.883 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

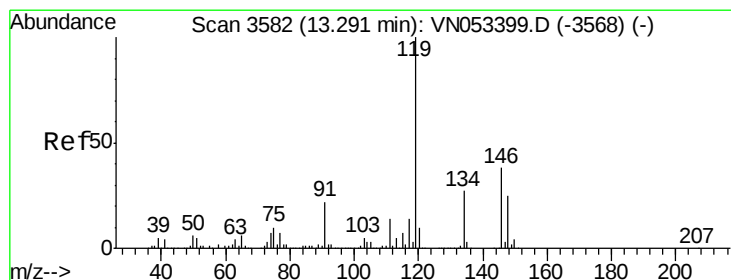
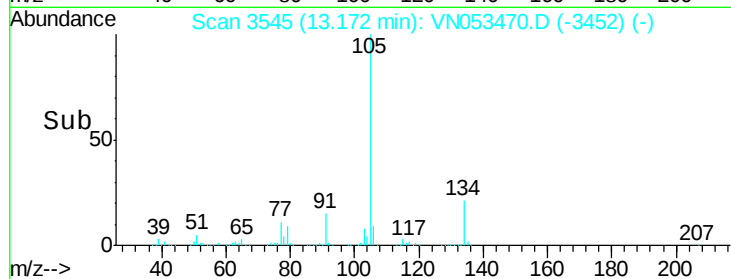
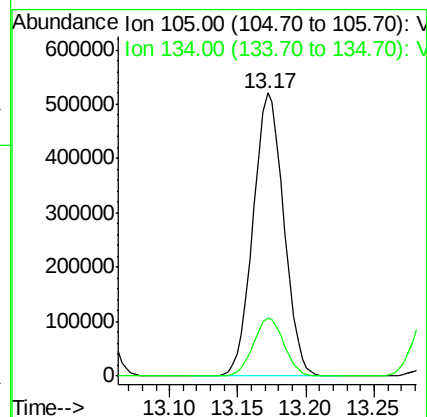
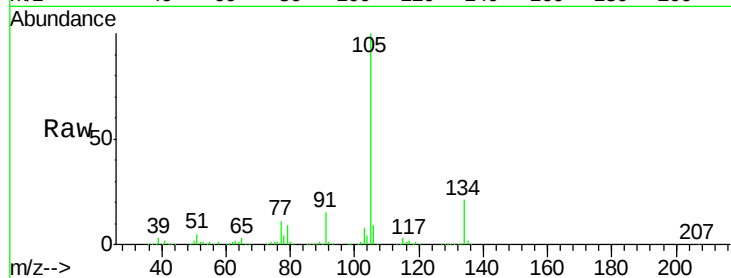
VN0118WBS02

Tot Ion:105 Resp: 813016

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.907 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

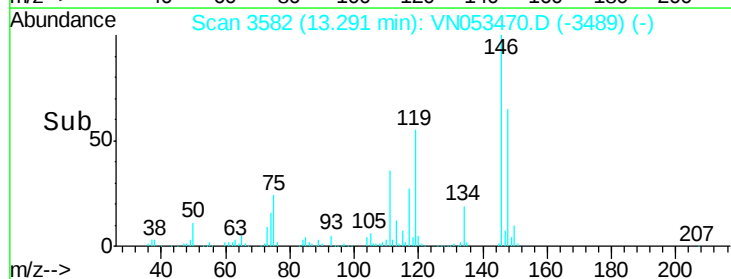
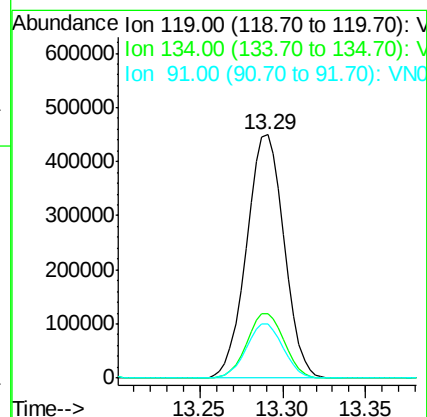
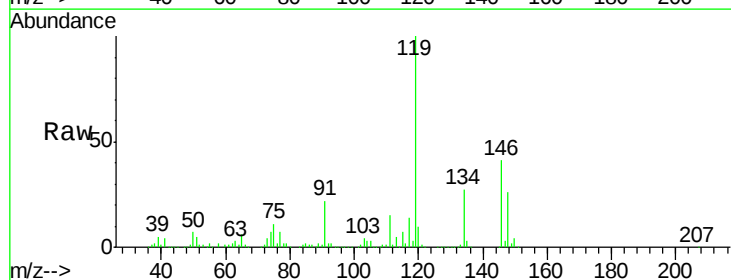
Tgt Ion:119 Resp: 706739

Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 21.9 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 20.511 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

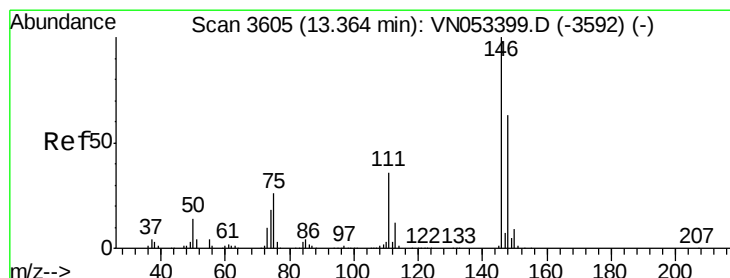
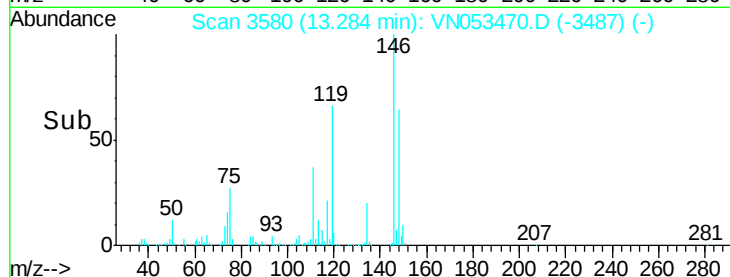
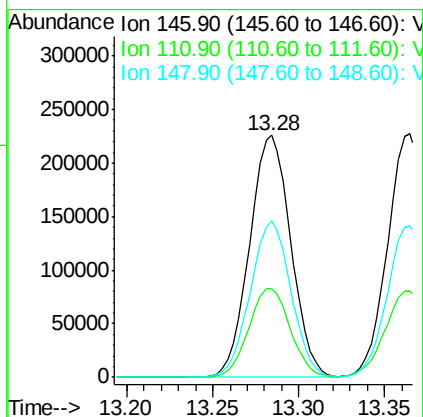
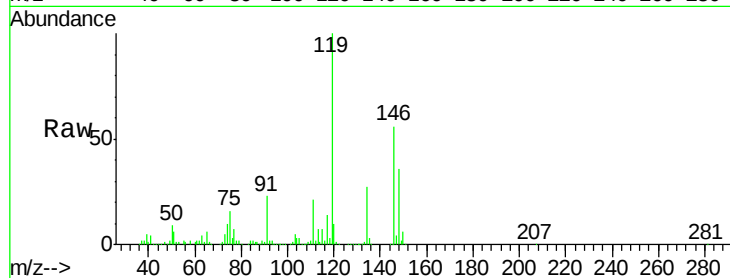
Tot Ion:146 Resp: 375568

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

148 63.8 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 20.320 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

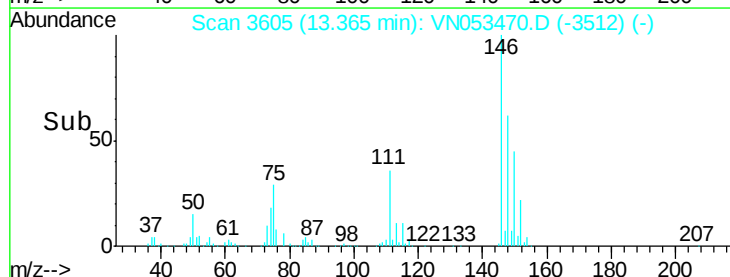
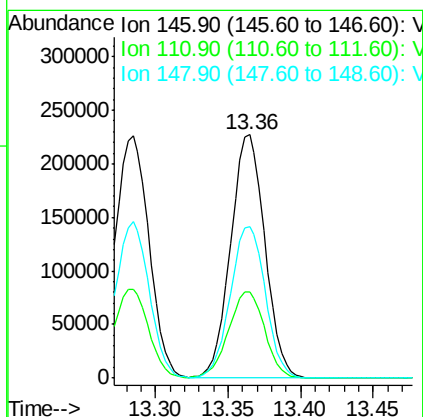
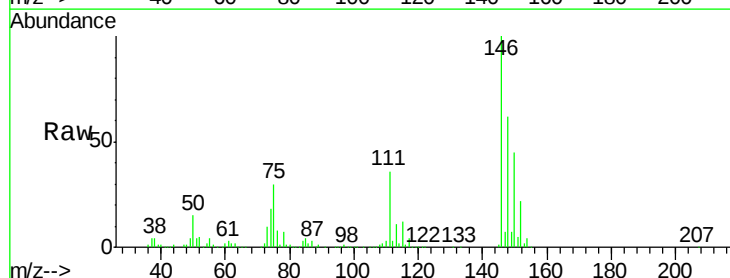
Tgt Ion:146 Resp: 373227

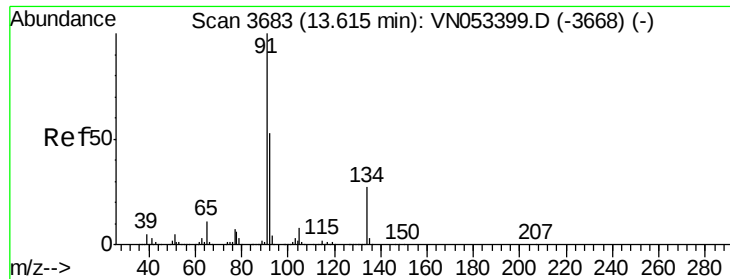
Ion Ratio Lower Upper

146 100

111 37.6 18.6 55.8

148 63.6 32.4 97.0

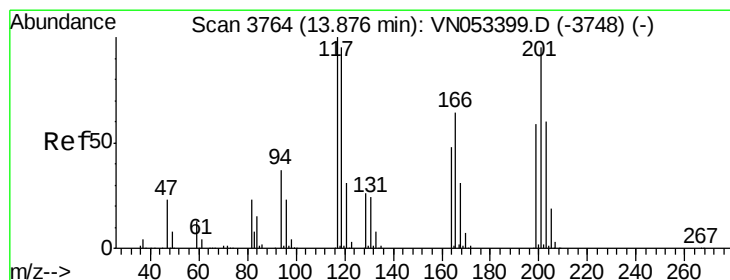
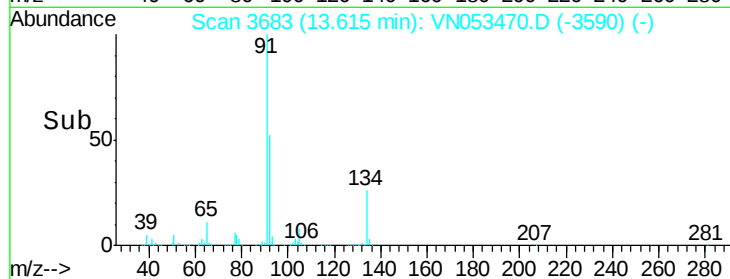
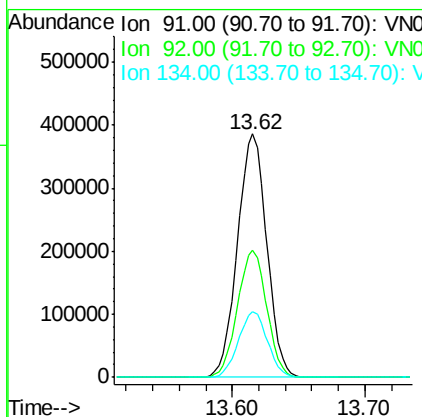
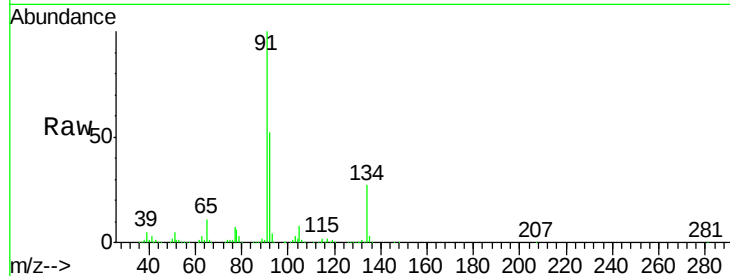




#89
n-Butylbenzene
Concen: 20.520 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

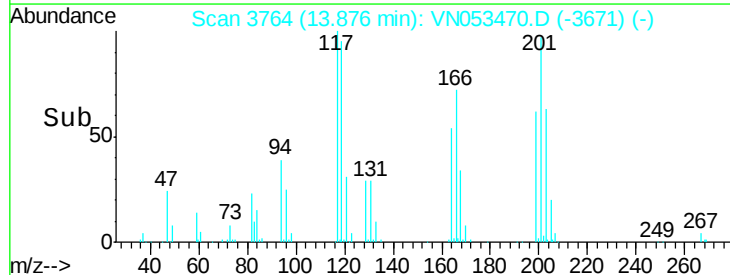
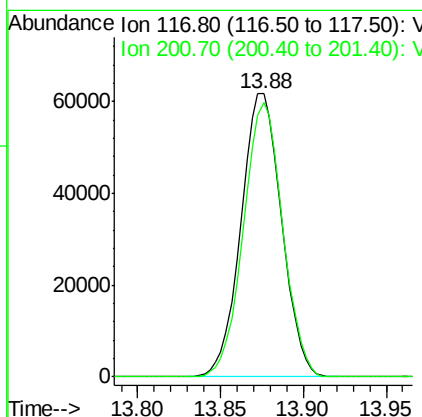
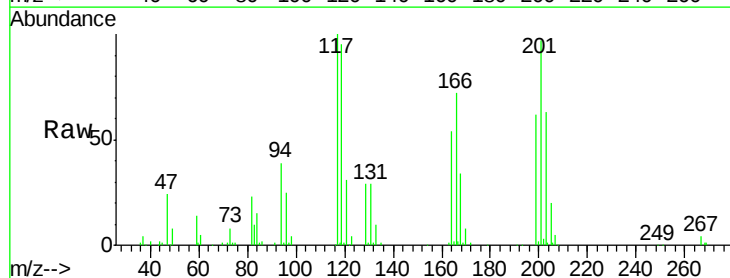
Instrument :
MSVOA_N
ClientSampled :
VN0118WBS02

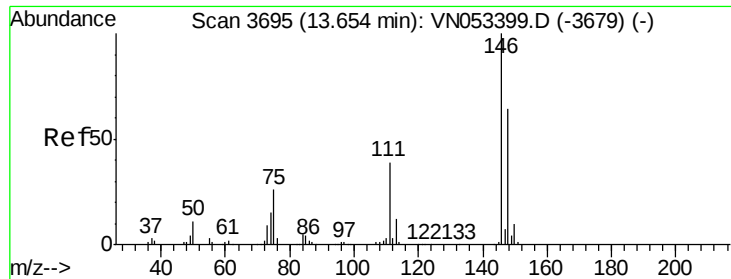
Tot Ion: 91 Resp: 591300
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 26.8 13.5 40.5



#90
Hexachloroethane
Concen: 19.815 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053470.D
Acq: 18 Jan 2019 14:23

Tgt Ion: 117 Resp: 105056
Ion Ratio Lower Upper
117 100
201 93.5 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.744 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

VN0118WBS02

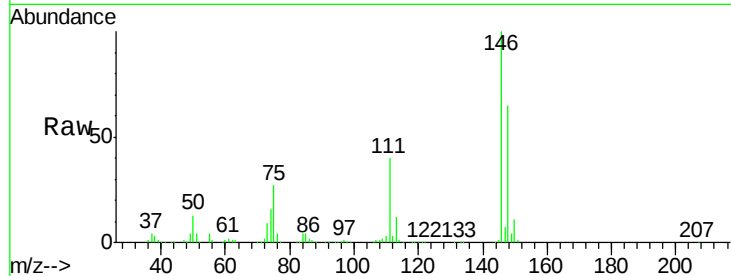
Tot Ion:146 Resp: 349445

Ion Ratio Lower Upper

146 100

111 39.5 19.5 58.5

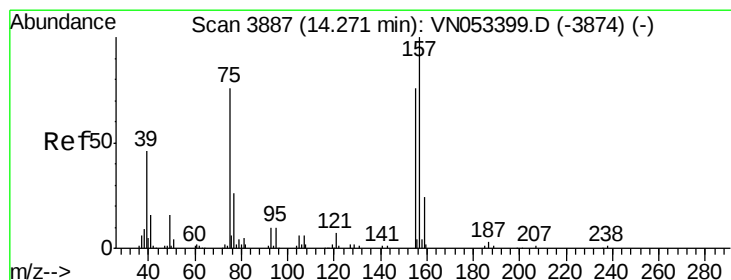
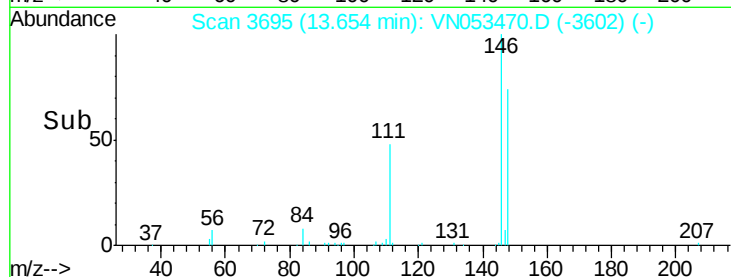
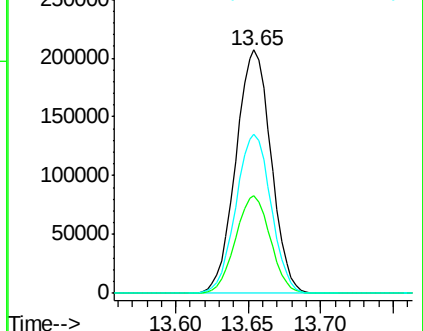
148 65.2 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.643 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

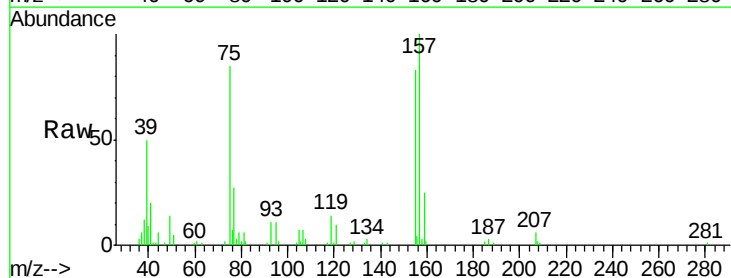
Tgt Ion: 75 Resp: 22736

Ion Ratio Lower Upper

75 100

155 98.4 48.9 146.7

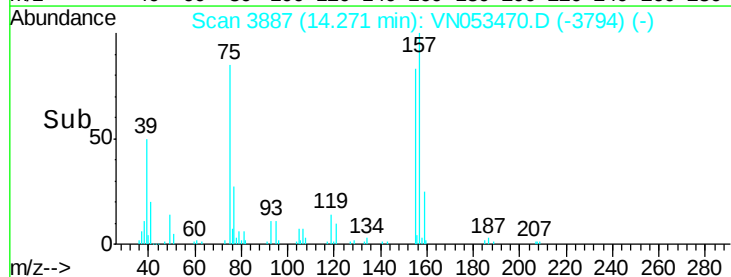
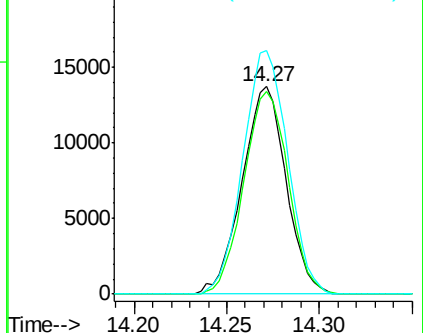
157 119.6 63.7 191.3

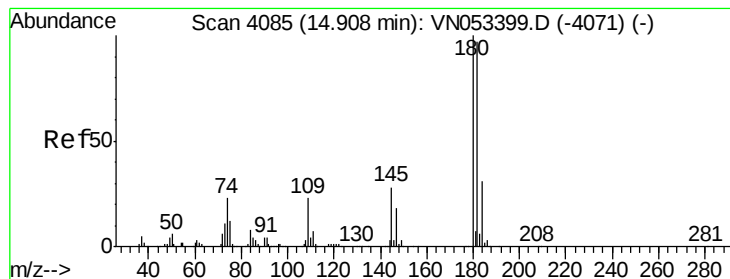


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 22.407 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

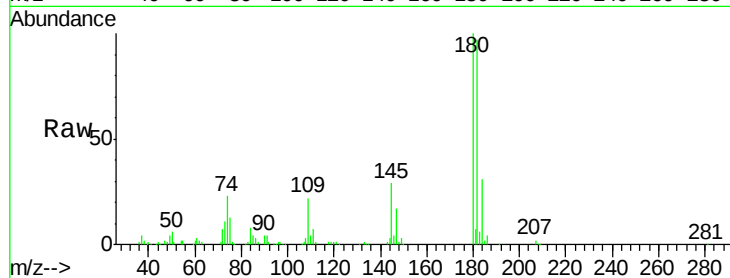
Tot Ion:180 Resp: 154533

Ion Ratio Lower Upper

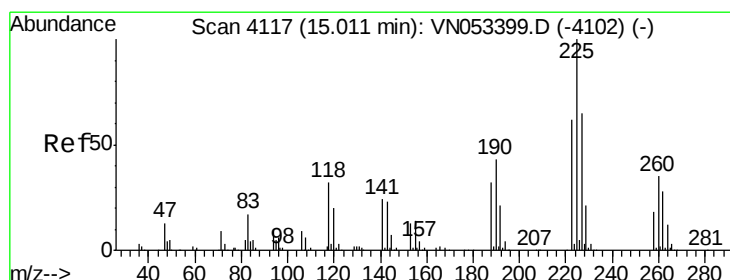
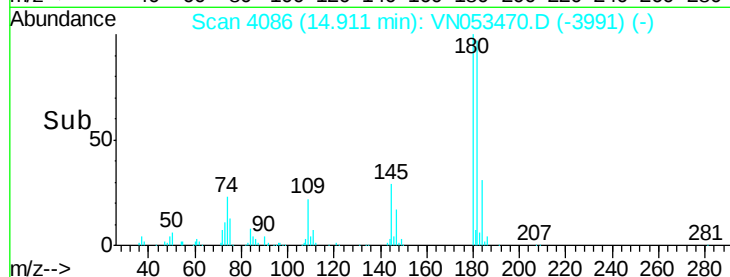
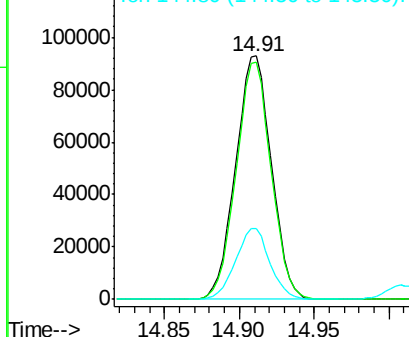
180 100

182 95.1 48.1 144.3

145 27.7 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 22.769 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

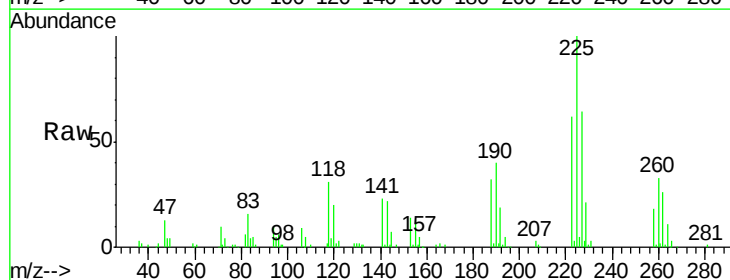
Tgt Ion:225 Resp: 119650

Ion Ratio Lower Upper

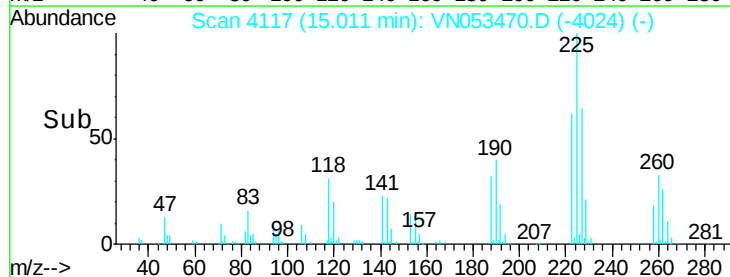
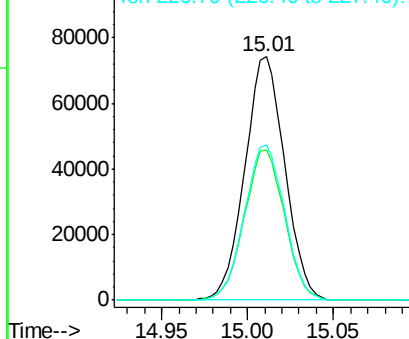
225 100

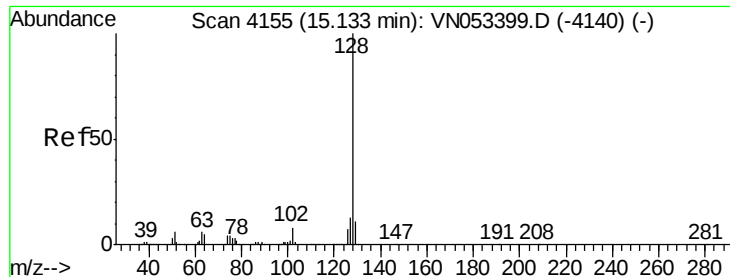
223 62.1 31.1 93.2

227 64.5 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 21.528 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS02

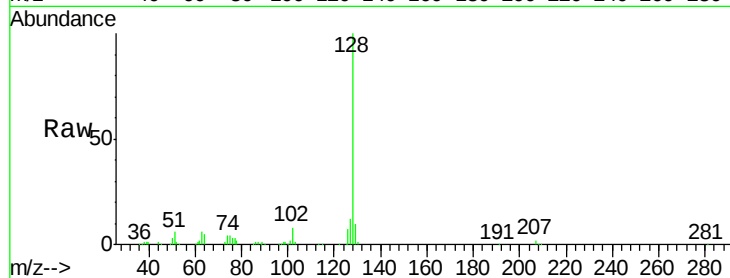
Tot Ion:128 Resp: 248994

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

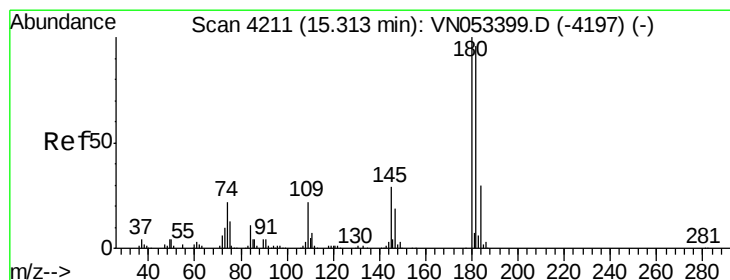
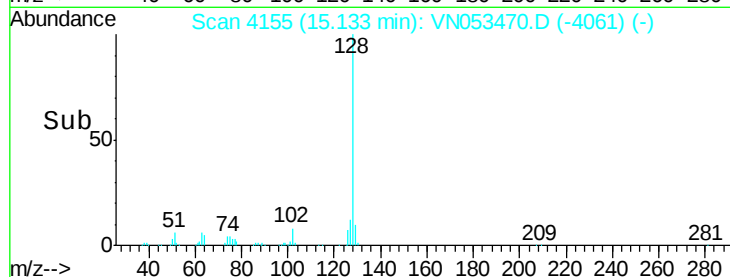
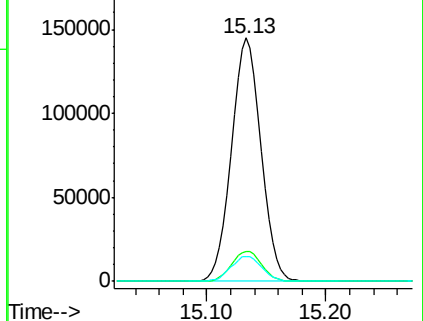
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.397 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053470.D

Acq: 18 Jan 2019 14:23

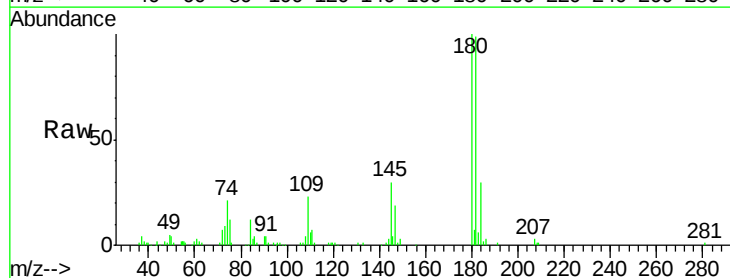
Tgt Ion:180 Resp: 114992

Ion Ratio Lower Upper

180 100

182 97.3 47.9 143.8

145 30.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

