

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053672.D
 Acq On : 8 Feb 2019 10:29
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 03:55:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	137688	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	753208	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	652581	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	256683	29.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.83%
60) 4-Bromofluorobenzene	12.40	95	300464	30.09	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.30%
63) Toluene-d8	10.09	98	920445	31.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	103263	11.256 ug/l	98
3) Chloromethane	2.06	50	135460	12.581 ug/l	99
4) Vinyl Chloride	2.19	62	142091	13.411 ug/l	97
5) Bromomethane	2.58	94	99333	14.541 ug/l	98
6) Chloroethane	2.71	64	96306	15.779 ug/l	99
7) Trichlorofluoromethane	3.02	101	230804	17.639 ug/l	98
8) Diethyl Ether	3.41	74	75003	15.429 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140658	17.110 ug/l	94
10) 1,1-Dichloroethene	3.74	96	128095	15.967 ug/l	91
11) Methyl Iodide	3.96	142	191729	16.319 ug/l	100
12) Methyl Acetate	4.32	43	110213	17.625 ug/l	97
13) Acrolein	3.61	56	16870	22.597 ug/l	99
14) Acrylonitrile	4.99	53	228086	81.534 ug/l	98
15) Acetone	3.81	58	73217	123.151 ug/l	92
16) Carbon Disulfide	4.06	76	353280	14.314 ug/l	100
17) Allyl chloride	4.33	41	198093	15.695 ug/l	97
18) Methylene Chloride	4.55	84	155444	16.929 ug/l	92
19) trans-1,2-Dichloroethene	5.04	96	137368	16.202 ug/l	93
20) Diisopropyl ether	5.95	45	390718	14.456 ug/l	99
21) 1,1-Dichloroethane	5.85	63	259871	16.513 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	161613	16.921 ug/l	94
23) tert-Butyl Alcohol	4.77	59	39408	83.566 ug/l	# 100
24) Methyl tert-Butyl Ether	5.04	73	332010	15.870 ug/l	95
25) Chloroform	7.37	83	263247	17.402 ug/l	99
26) Cyclohexane	7.66	56	216717	14.764 ug/l	# 95
29) 1,1-Dichloropropene	7.79	75	194743	17.069 ug/l	98
30) 2-Butanone	6.84	43	263859	92.698 ug/l	95
31) 2,2-Dichloropropane	6.83	77	195349	17.686 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	220993	18.487 ug/l	96
33) Carbon Tetrachloride	7.78	117	195533	18.687 ug/l	97
34) Benzene	8.04	78	597446	17.424 ug/l	98
35) Methacrylonitrile	7.17	41	52880	14.397 ug/l	92
36) 1,2-Dichloroethane	8.12	62	178389	17.921 ug/l	98
37) Trichloroethene	8.83	130	161757	17.414 ug/l	94
38) Methylcyclohexane	9.08	83	220152	16.497 ug/l	95
39) 1,2-Dichloropropane	9.12	63	157728	17.616 ug/l	100
40) Dibromomethane	9.21	93	92240	18.216 ug/l	93

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	200546	18.443	ug/l	97
42) Vinyl Acetate	5.90	43	1300135	83.722	ug/l	96
43) Ethyl Acetate	6.93	43	107498	16.911	ug/l #	69
44) Isopropyl Acetate	8.16	43	188122	15.887	ug/l	97
45) 1,4-Dioxane	9.20	88	27017	373.113	ug/l #	91
46) Methyl methacrylate	9.20	41	90300	15.095	ug/l	95
47) n-amyl Acetate	12.07	43	147601	14.194	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	191227	17.230	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	228430	17.479	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	133101	18.333	ug/l	99
51) Ethyl methacrylate	10.43	69	145781	15.407	ug/l	91
52) 1,3-Dichloropropane	10.71	76	220387	17.622	ug/l	100
53) Dibromochloromethane	10.90	129	150805	18.494	ug/l	99
54) 1,2-Dibromoethane	11.00	107	126051	17.210	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	359498	66.203	ug/l	97
56) Bromoform	12.13	173	100417	18.002	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	513528	82.582	ug/l	97
59) 2-Hexanone	10.75	43	332587	77.472	ug/l	96
61) Tetrachloroethene	10.63	164	165017	17.111	ug/l	95
62) Toluene	10.16	91	633498	17.701	ug/l	99
64) Chlorobenzene	11.43	112	402264	17.911	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	144703	18.368	ug/l	99
66) Ethyl Benzene	11.51	91	665641	17.151	ug/l	99
67) m/p-Xylenes	11.62	106	532532	36.279	ug/l	96
68) o-Xylene	11.95	106	251338	17.670	ug/l	97
69) Styrene	11.96	104	411897	17.741	ug/l	99
70) Isopropylbenzene	12.25	105	673721	18.002	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	149784	19.013	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	182525	26.457	ug/l	48
73) Bromobenzene	12.53	156	176494	18.347	ug/l	90
74) n-propylbenzene	12.59	91	785951	18.552	ug/l	97
75) 2-Chlorotoluene	12.67	91	462186	18.421	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	581939	19.602	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38323	15.810	ug/l	95
78) 4-Chlorotoluene	12.77	91	471005	18.442	ug/l	99
79) tert-butylbenzene	12.99	119	510549	19.719	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	597733	20.089	ug/l	99
81) sec-Butylbenzene	13.17	105	701917	20.473	ug/l	98
82) p-Isopropyltoluene	13.29	119	616121	20.797	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	318819	19.464	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	310341	19.437	ug/l	98
85) n-Butylbenzene	13.62	91	516010	21.418	ug/l	99
86) Hexachloroethane	13.87	117	102470	21.664	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	311006	20.434	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21534	19.113	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	171287	23.187	ug/l	98
90) Hexachlorobutadiene	15.01	225	121041	27.070	ug/l	99
91) Naphthalene	15.13	128	313206	19.983	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	160910	24.415	ug/l	96

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
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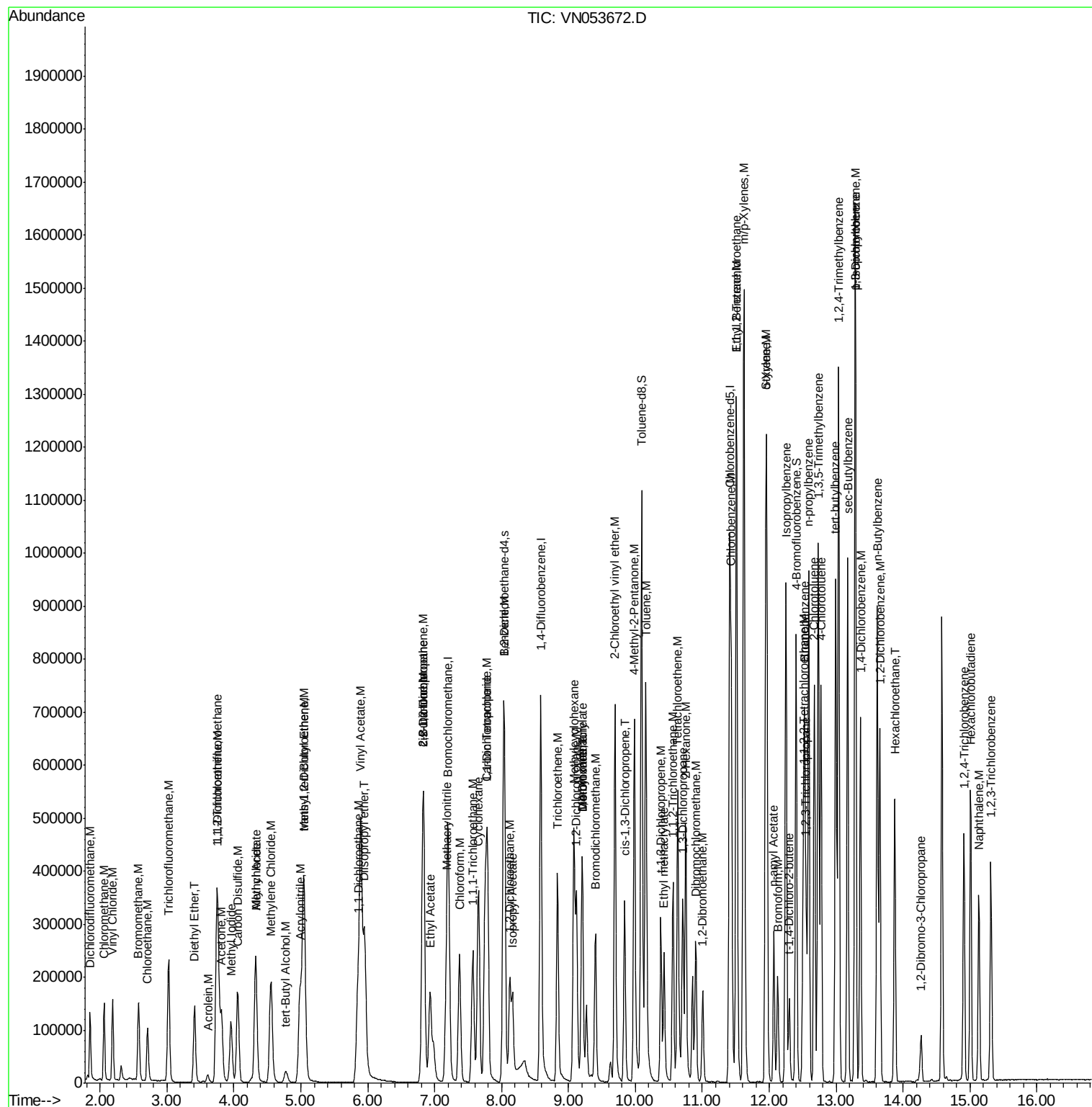
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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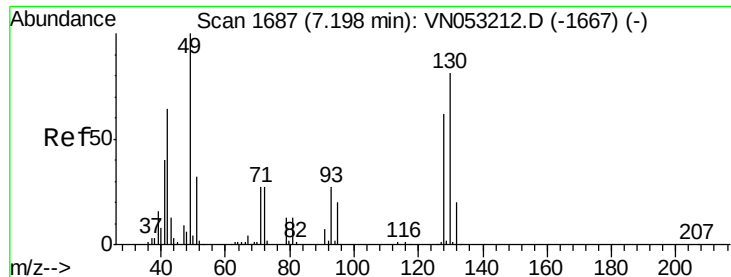
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 09 03:55:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

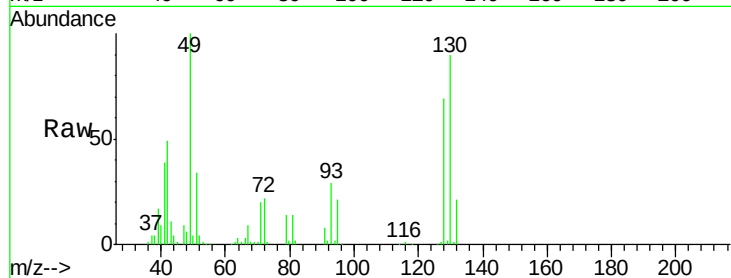
Tot Ion:128 Resp: 137688

Ion Ratio Lower Upper

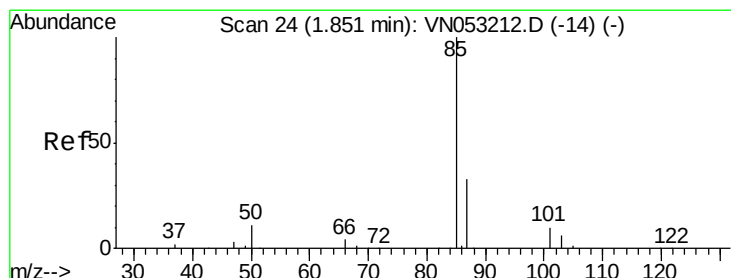
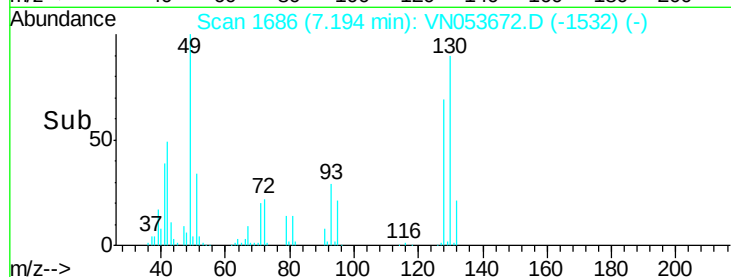
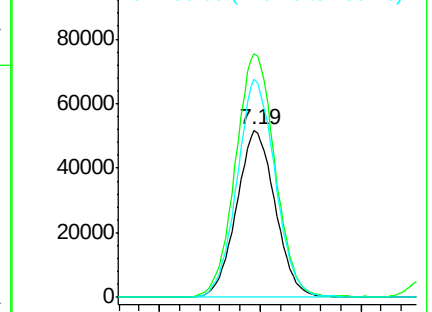
128 100

49 149.4 0.0 431.8

130 129.1 0.0 317.0



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



#2

Dichlorodifluoromethane

Concen: 11.256 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053672.D

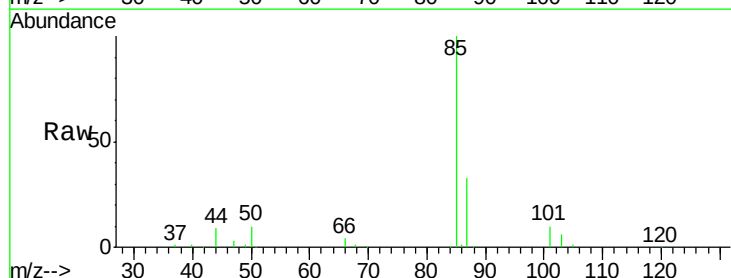
Acq: 8 Feb 2019 10:29

Tgt Ion: 85 Resp: 103263

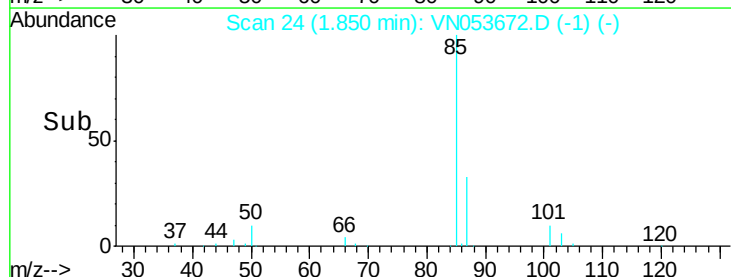
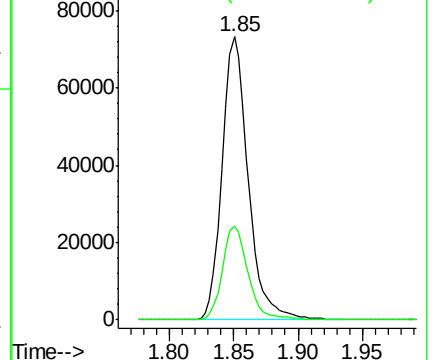
Ion Ratio Lower Upper

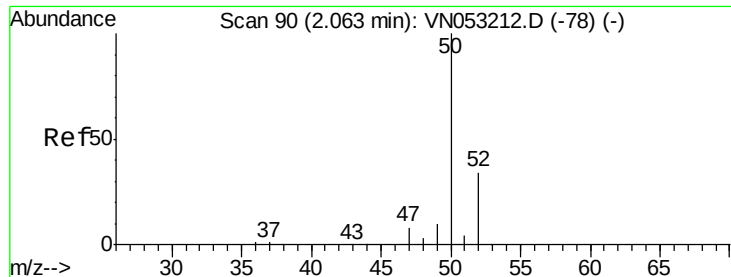
85 100

87 33.3 16.1 48.3



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





#3

Chloromethane

Concen: 12.581 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

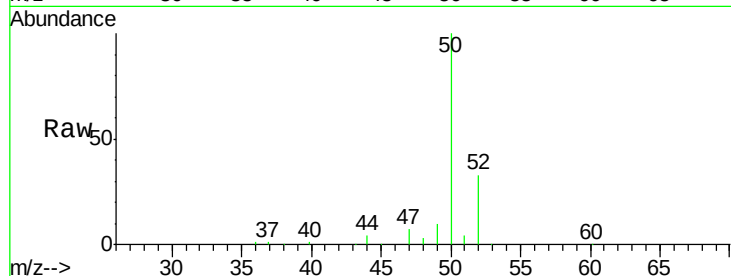
ClientSampled :

Tot Ion: 50 Resp: 135460

Ion Ratio Lower Upper

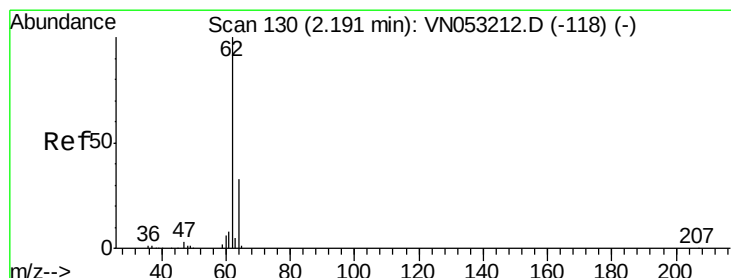
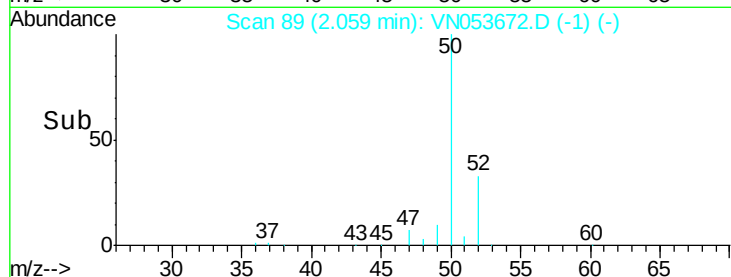
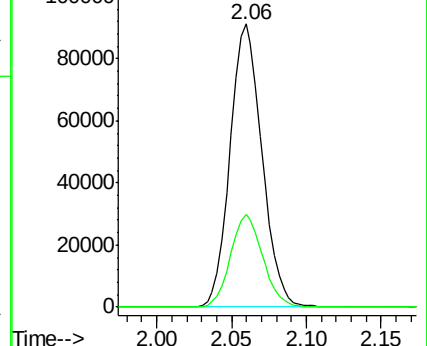
50 100

52 32.7 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 13.411 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053672.D

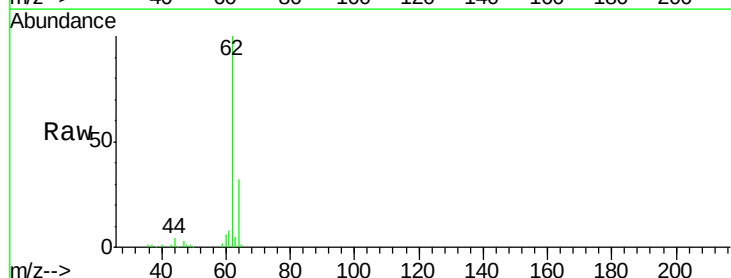
Acq: 8 Feb 2019 10:29

Tgt Ion: 62 Resp: 142091

Ion Ratio Lower Upper

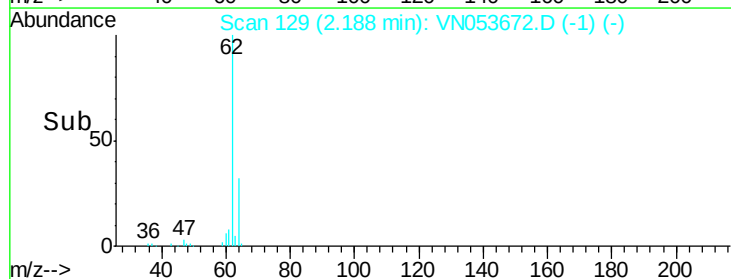
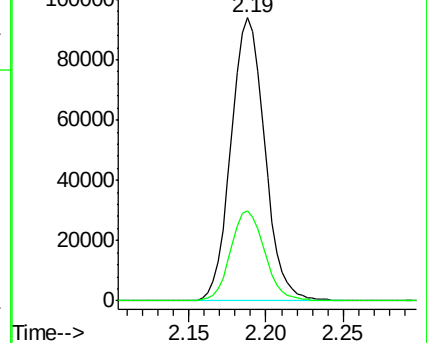
62 100

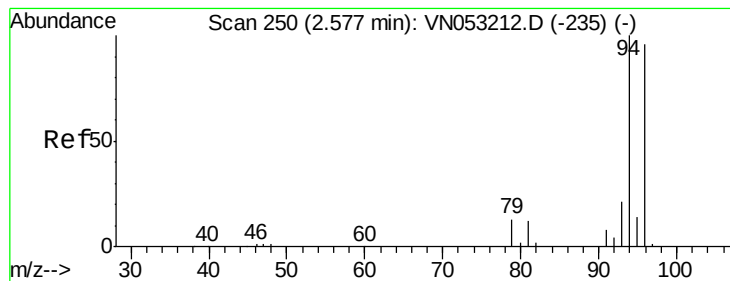
64 32.0 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 14.541 ug/l

RT: 2.58 min Scan# 250

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

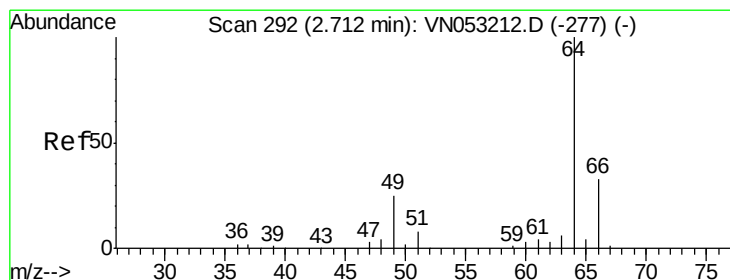
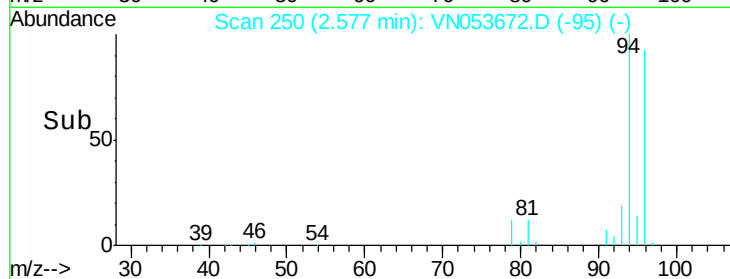
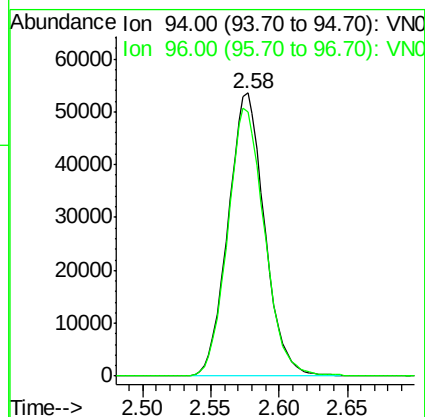
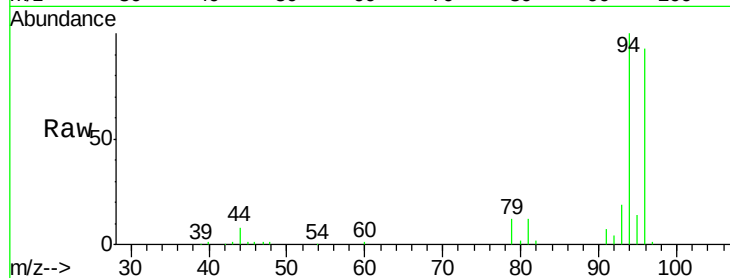
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 99333

Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.2



#6

Chloroethane

Concen: 15.779 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053672.D

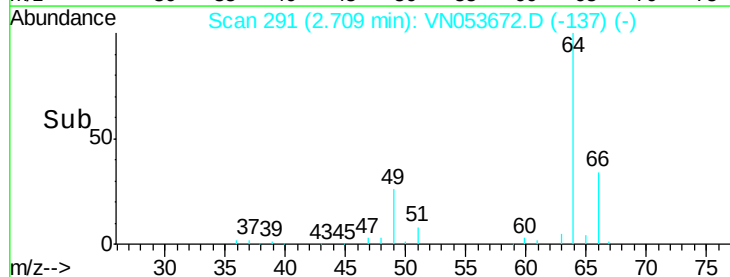
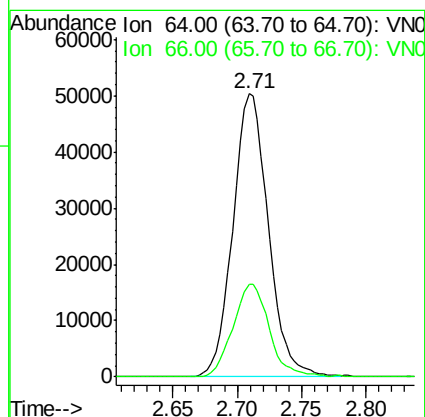
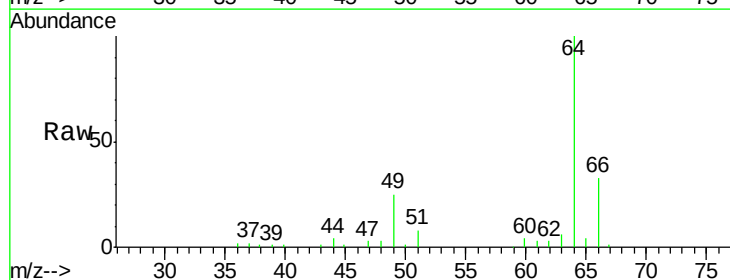
Acq: 8 Feb 2019 10:29

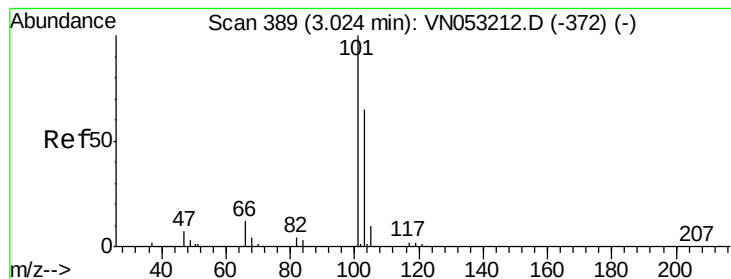
Tgt Ion: 64 Resp: 96306

Ion Ratio Lower Upper

64 100

66 32.6 25.6 38.4



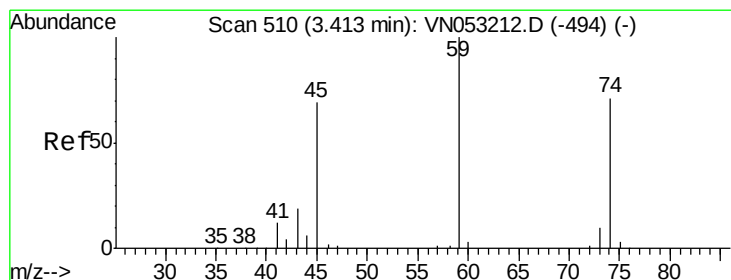
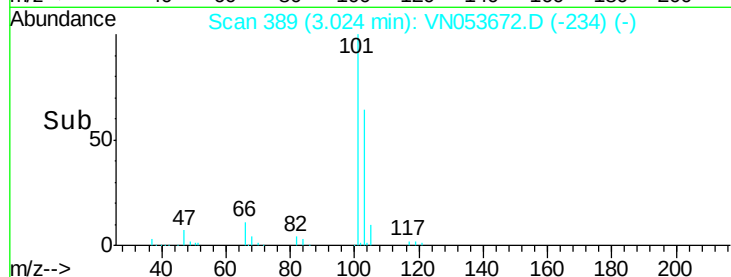
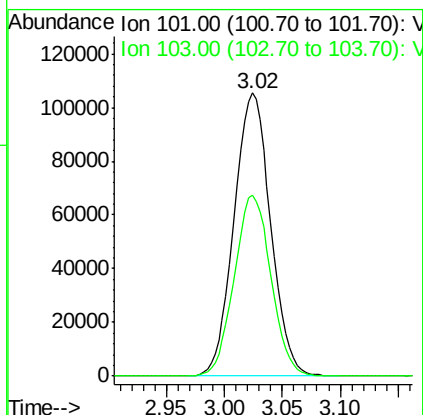
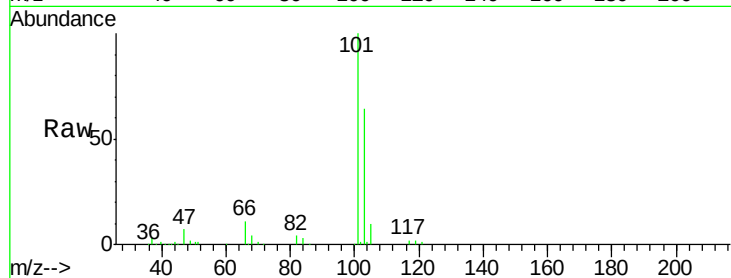


#7

Trichlorofluoromethane
Concen: 17.639 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

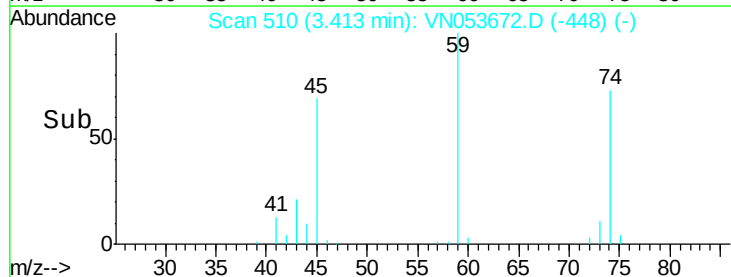
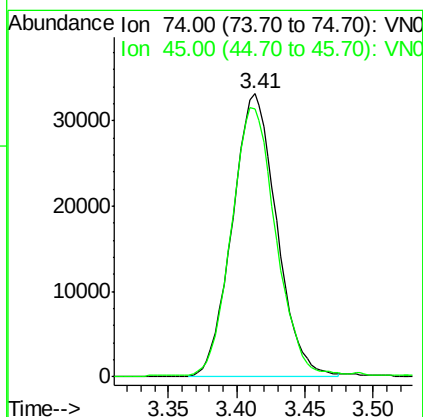
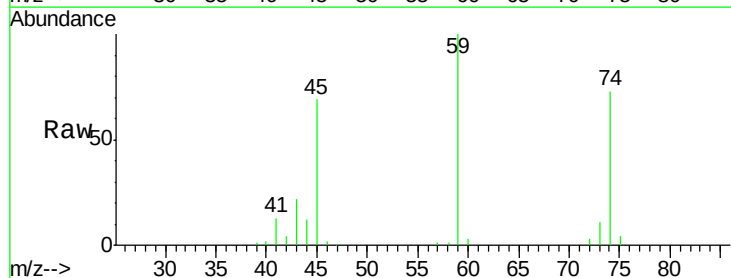
Tot Ion:101 Resp: 230804
Ion Ratio Lower Upper
101 100
103 63.8 52.1 78.1

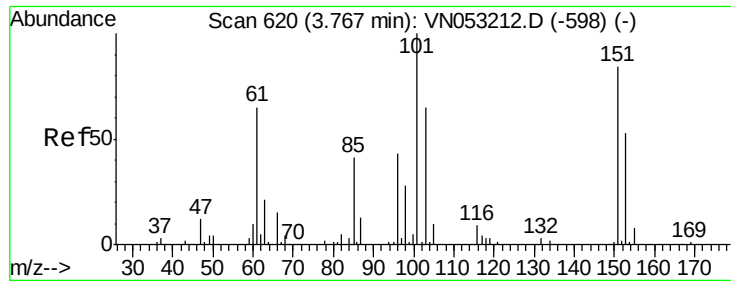


#8

Diethyl Ether
Concen: 15.429 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 74 Resp: 75003
Ion Ratio Lower Upper
74 100
45 94.1 20.6 185.8

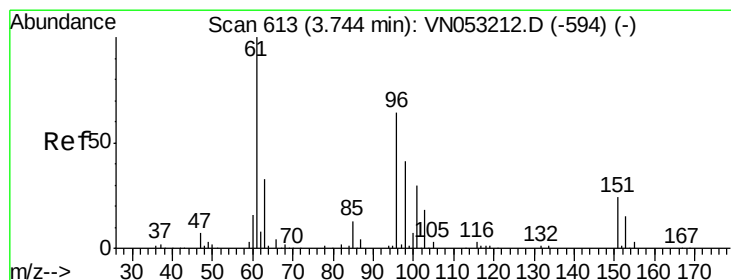
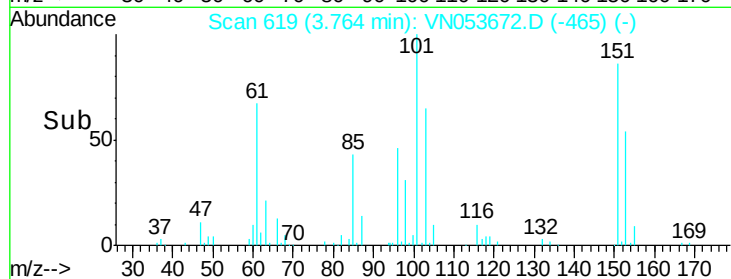
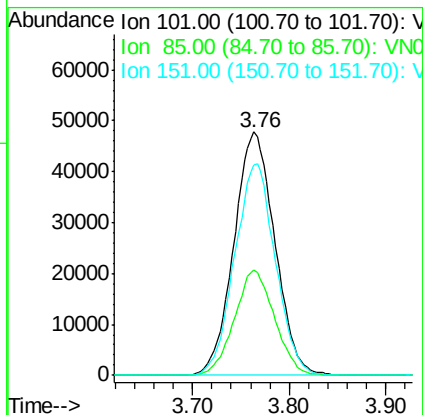
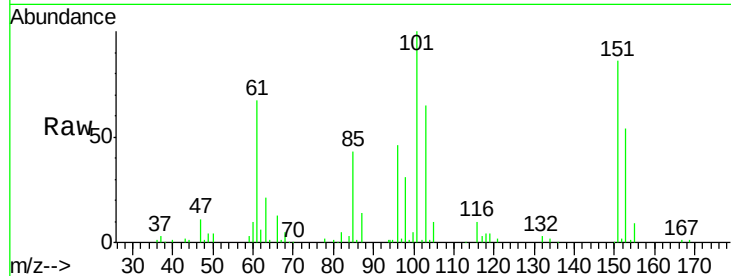




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.110 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

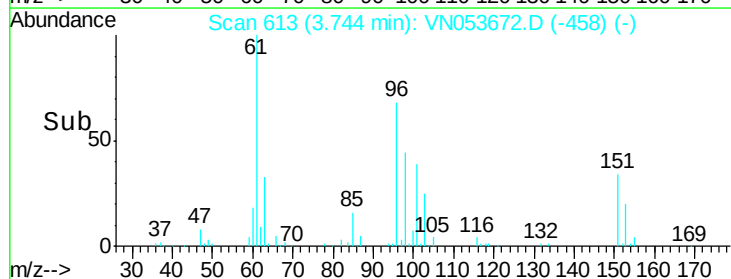
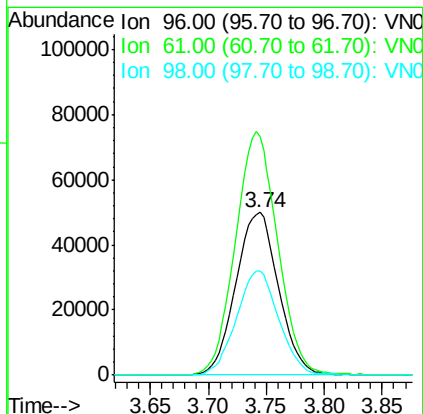
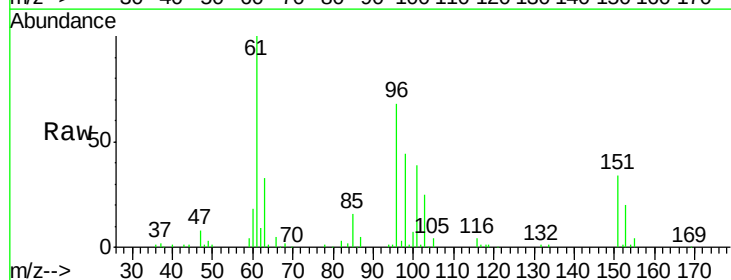
Instrument :
 MSVOA_N
 ClientSampleId :

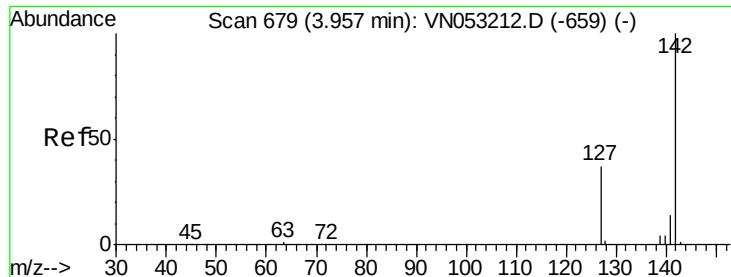
Tot Ion:101 Resp: 140658
 Ion Ratio Lower Upper
 101 100
 85 42.3 0.0 82.6
 151 86.4 0.0 158.4



#10
 1,1-Dichloroethene
 Concen: 15.967 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 96 Resp: 128095
 Ion Ratio Lower Upper
 96 100
 61 146.5 129.4 194.2
 98 64.0 50.4 75.6

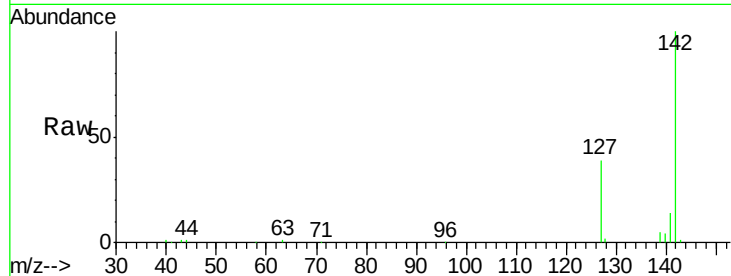




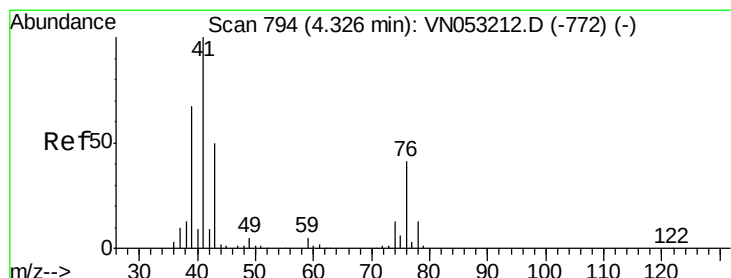
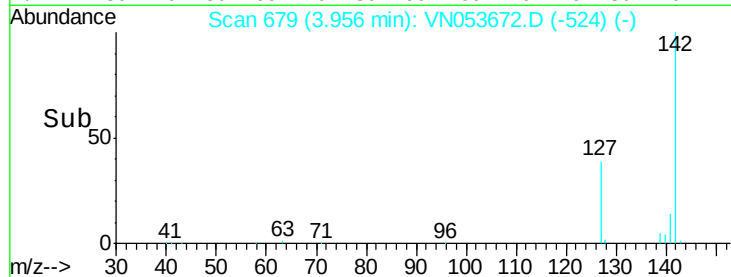
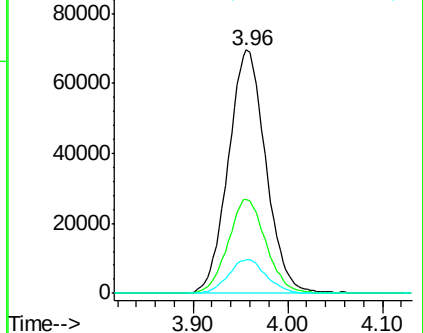
#11
Methvl Iodide
Concen: 16.319 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:142 Resp: 191729
Ion Ratio Lower Upper
142 100
127 38.7 19.4 58.1
141 13.8 7.2 21.6

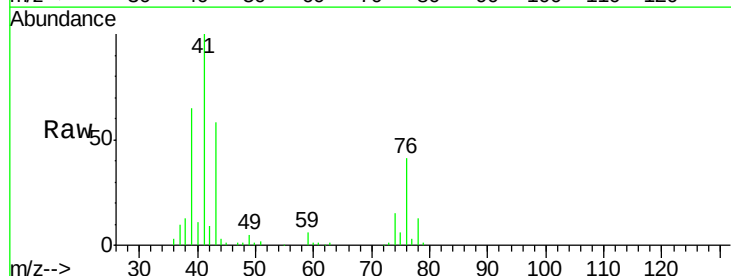


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

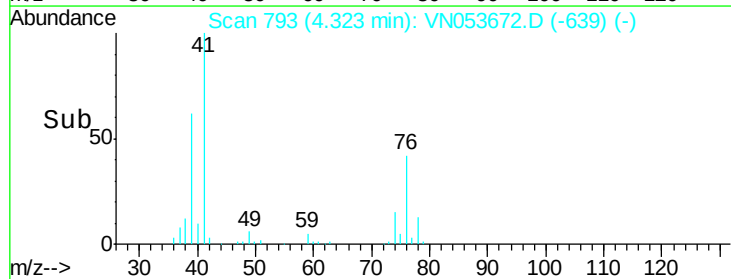
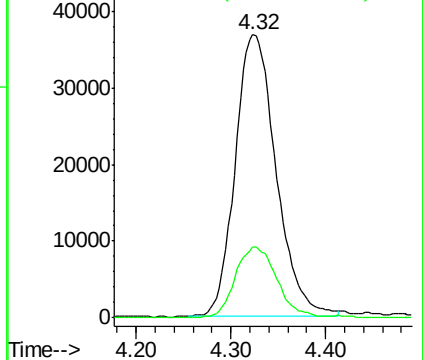


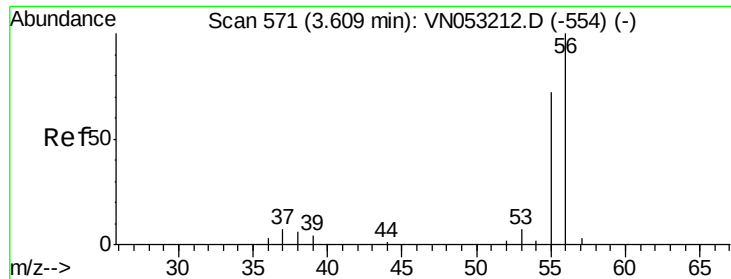
#12
Methyl Acetate
Concen: 17.625 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 43 Resp: 110213
Ion Ratio Lower Upper
43 100
74 25.1 18.9 28.3



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

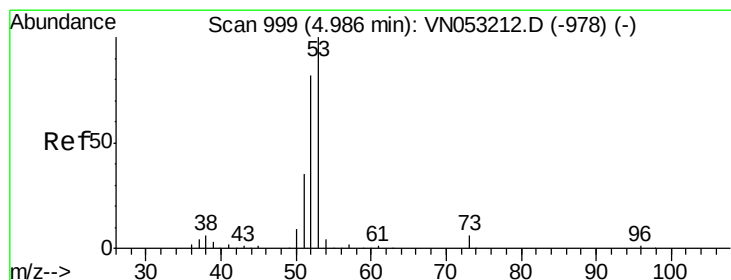
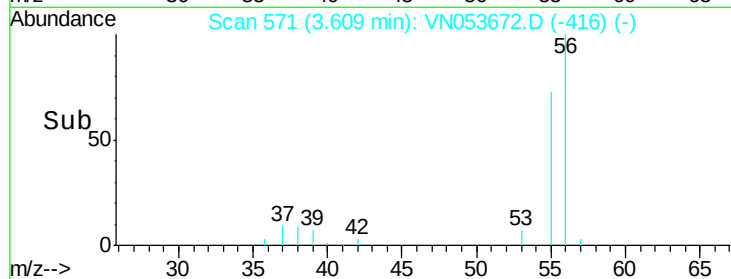
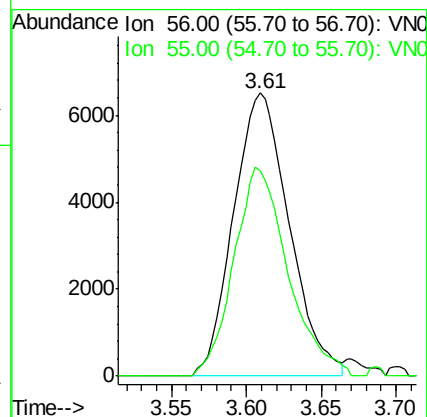
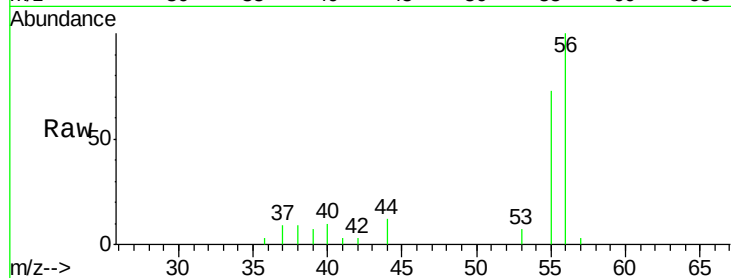




#13
Acrolein
Concen: 22.597 ug/l
RT: 3.61 min Scan# 571
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

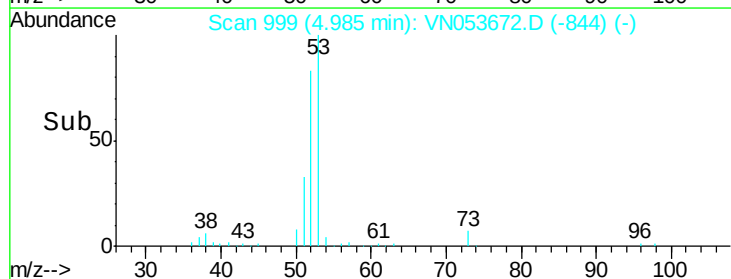
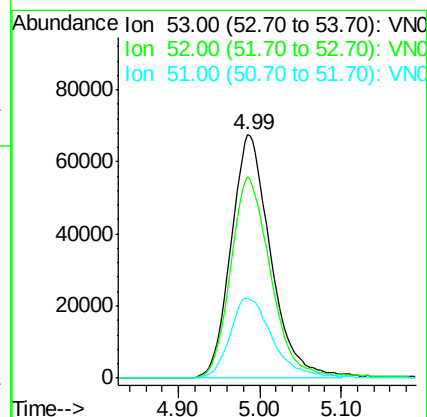
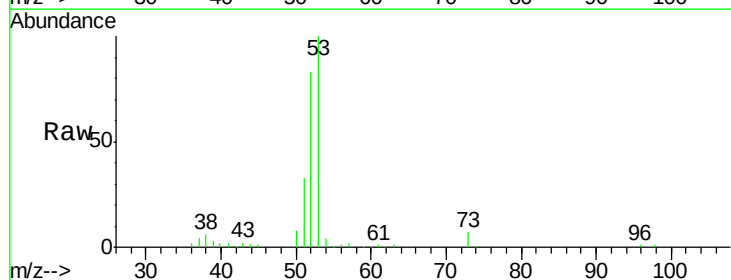
Instrument :
MSVOA_N
ClientSampled :

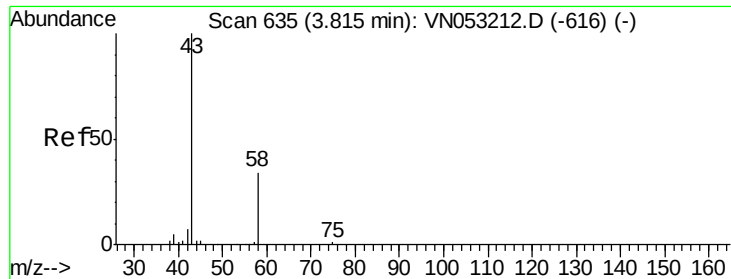
Tot Ion: 56 Resp: 16870
Ion Ratio Lower Upper
56 100
55 71.7 56.7 85.1



#14
Acrylonitrile
Concen: 81.534 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 53 Resp: 228086
Ion Ratio Lower Upper
53 100
52 82.8 39.9 119.7
51 35.4 17.6 52.9





#15

Acetone

Concen: 123.151 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

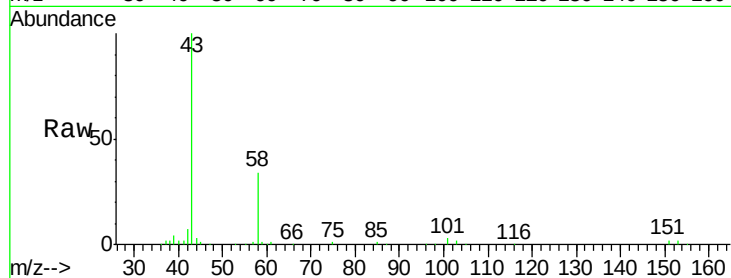
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 73217

Ion Ratio Lower Upper

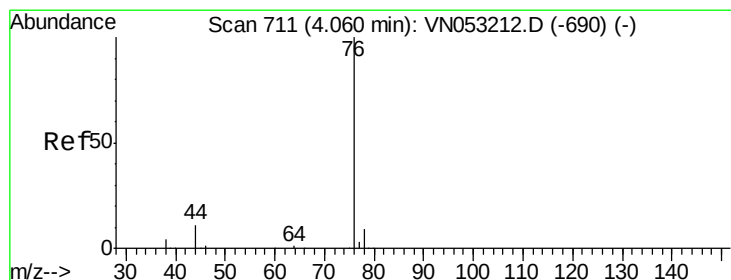
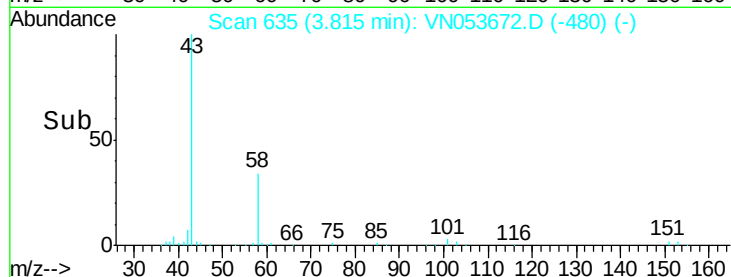
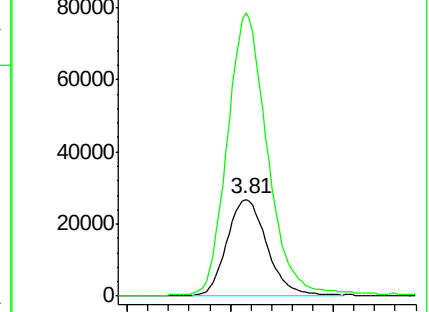
58 100

43 289.0 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN053212.D (-616) (-)

Ion 43.00 (42.70 to 43.70): VN053212.D (-616) (-)



#16

Carbon Disulfide

Concen: 14.314 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053672.D

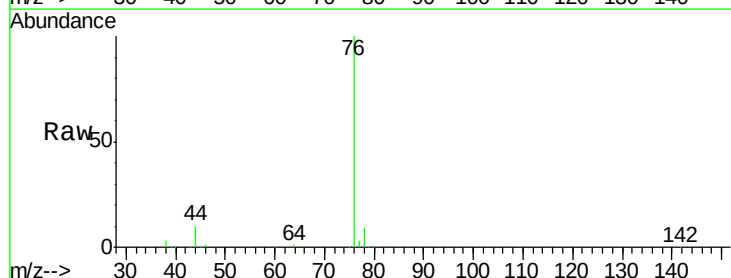
Acq: 8 Feb 2019 10:29

Tgt Ion: 76 Resp: 353280

Ion Ratio Lower Upper

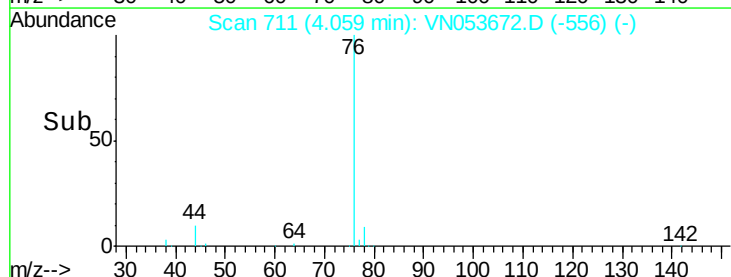
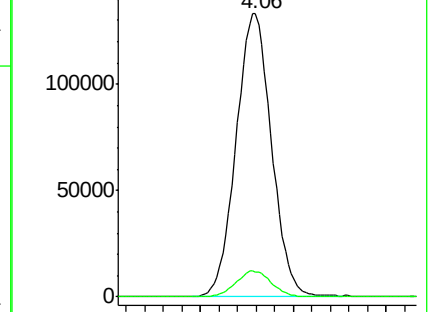
76 100

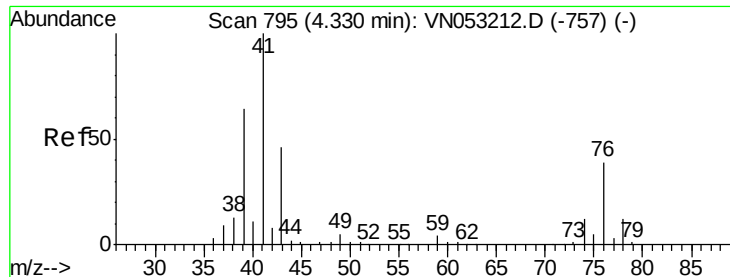
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN053212.D (-690) (-)

Ion 78.00 (77.70 to 78.70): VN053212.D (-690) (-)

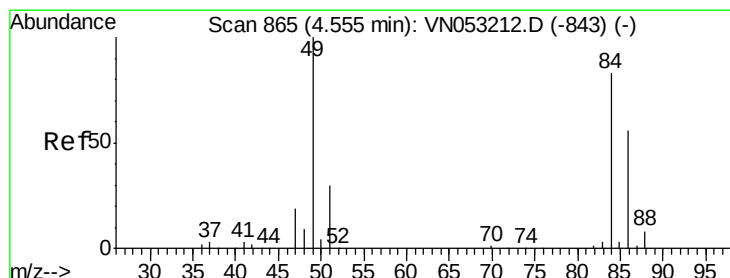
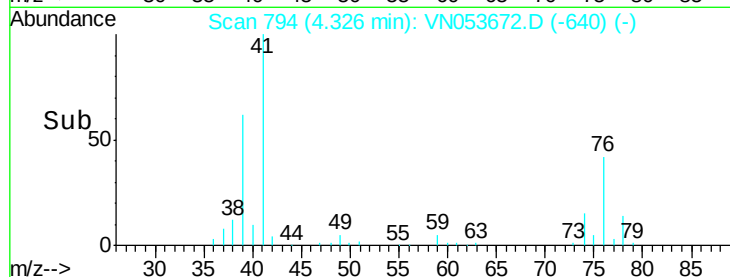
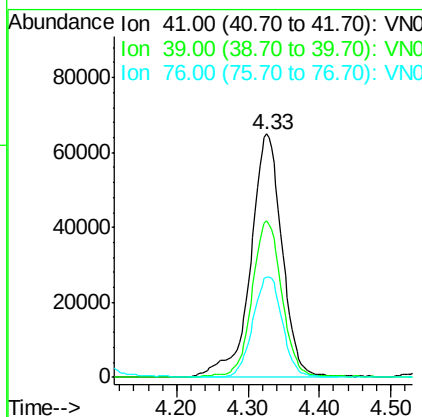
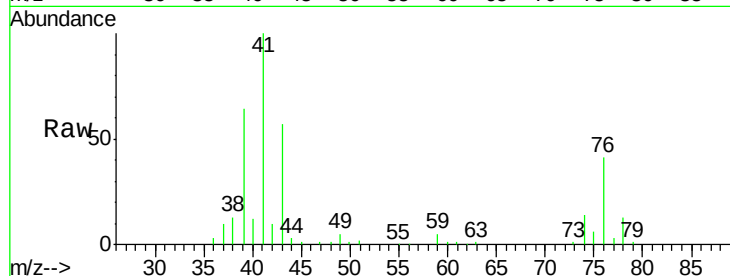




#17
Allvl chloride
Concen: 15.695 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

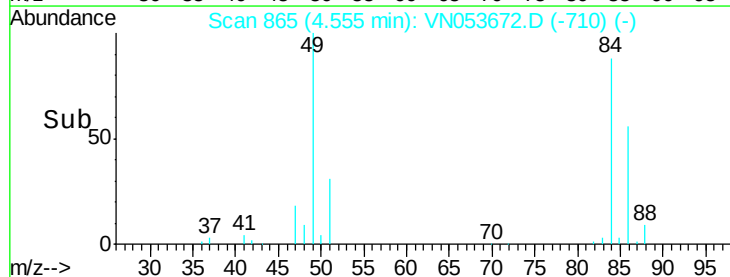
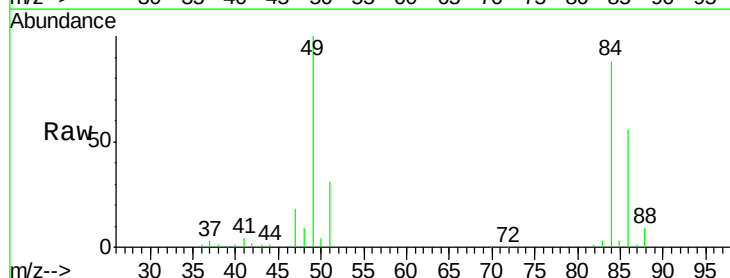
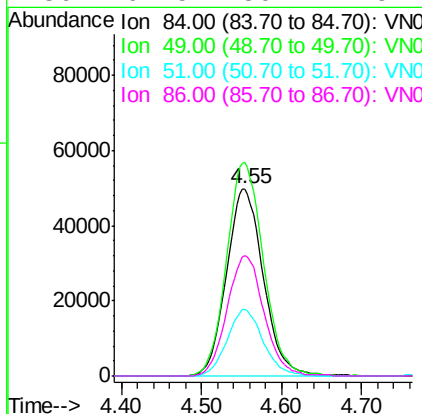
Instrument :
MSVOA_N
ClientSampled :

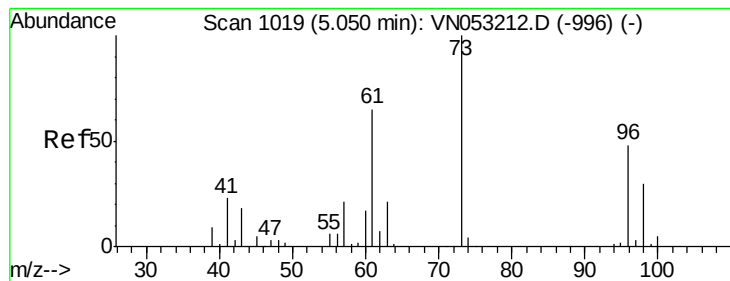
Tot Ion: 41 Resp: 198093
Ion Ratio Lower Upper
41 100
39 64.2 32.8 98.3
76 41.1 18.6 55.8



#18
Methylene Chloride
Concen: 16.929 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 84 Resp: 155444
Ion Ratio Lower Upper
84 100
49 114.2 101.4 152.0
51 35.7 31.7 47.5
86 64.5 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 16.202 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampleId :

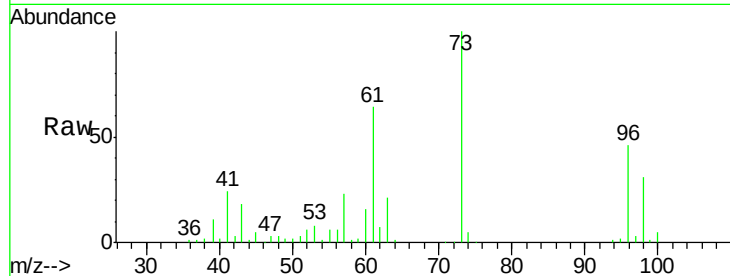
Tot Ion: 96 Resp: 137368

Ion Ratio Lower Upper

96 100

61 137.4 118.2 177.4

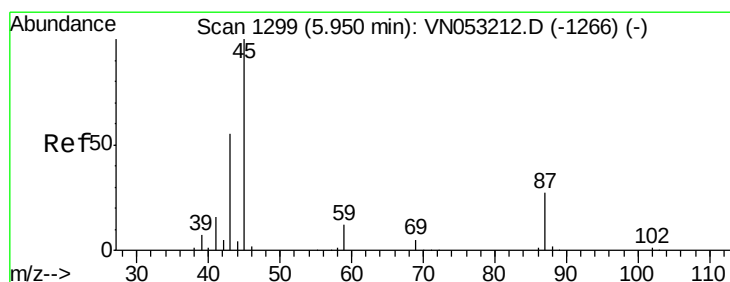
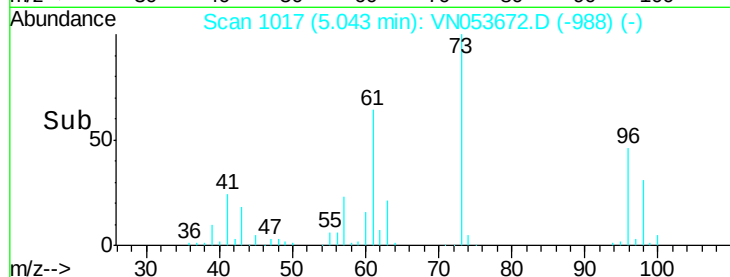
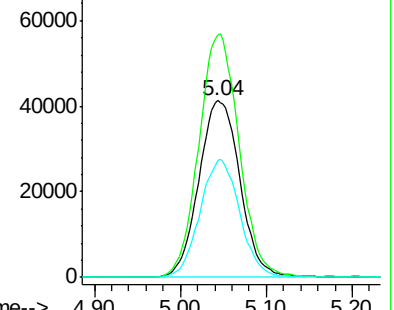
98 66.3 51.4 77.2



Abundance Ion 96.00 (95.70 to 96.70): VN053212.D (-996) (-)

Ion 61.00 (60.70 to 61.70): VN053212.D (-996) (-)

Ion 98.00 (97.70 to 98.70): VN053212.D (-996) (-)



#20

Diisopropyl ether

Concen: 14.456 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Tgt Ion: 45 Resp: 390718

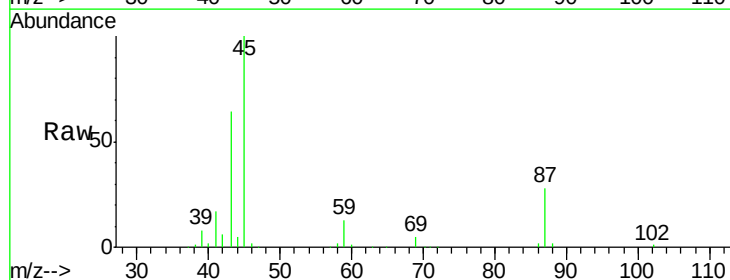
Ion Ratio Lower Upper

45 100

43 59.3 47.8 71.8

87 27.4 21.3 31.9

59 12.3 8.9 13.3

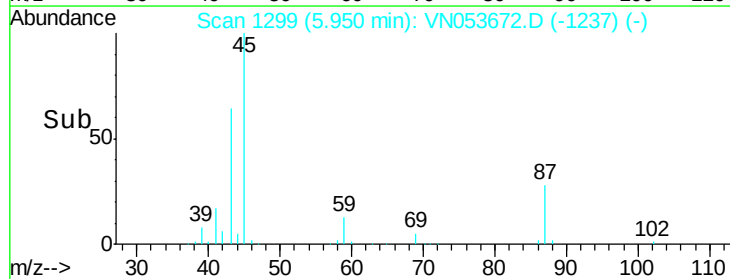
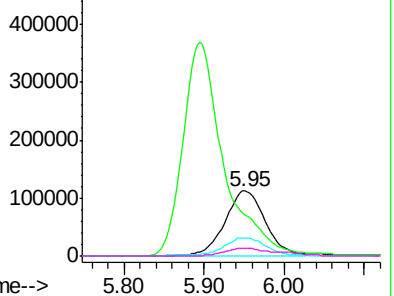


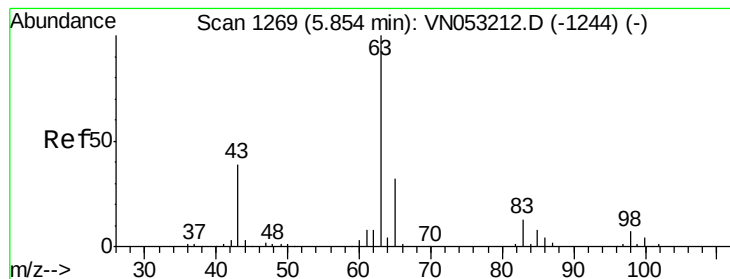
Abundance Ion 45.00 (44.70 to 45.70): VN053212.D (-1266) (-)

Ion 43.00 (42.70 to 43.70): VN053212.D (-1266) (-)

Ion 87.00 (86.70 to 87.70): VN053212.D (-1266) (-)

Ion 59.00 (58.70 to 59.70): VN053212.D (-1266) (-)





#21

1,1-Dichloroethane

Concen: 16.513 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

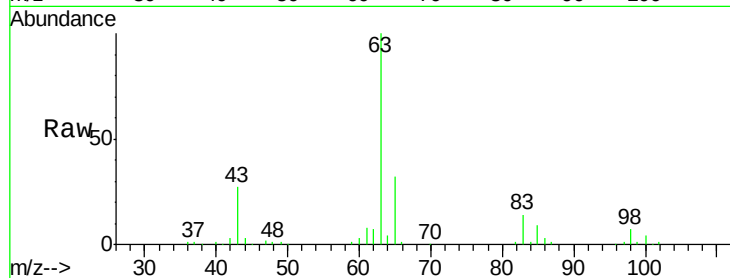
Tot Ion: 63 Resp: 259871

Ion Ratio Lower Upper

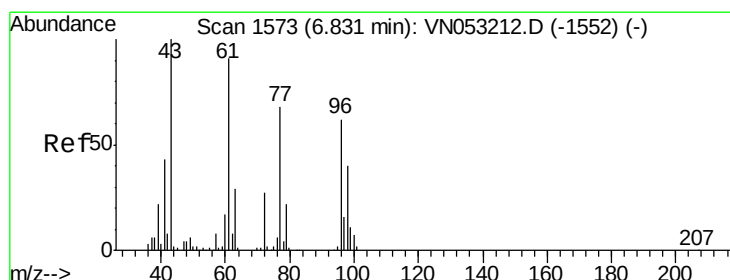
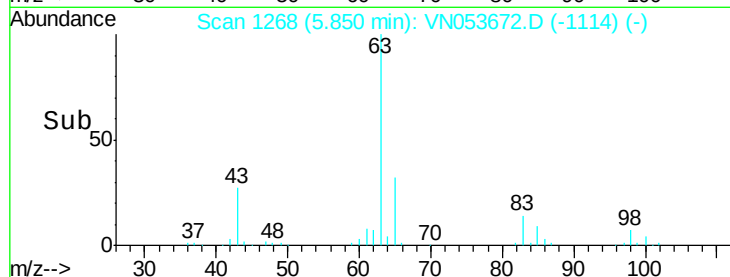
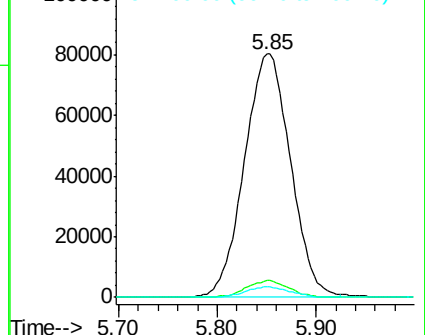
63 100

98 7.0 3.0 9.2

100 4.4 1.8 5.5



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



#22

cis-1,2-Dichloroethene

Concen: 16.921 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

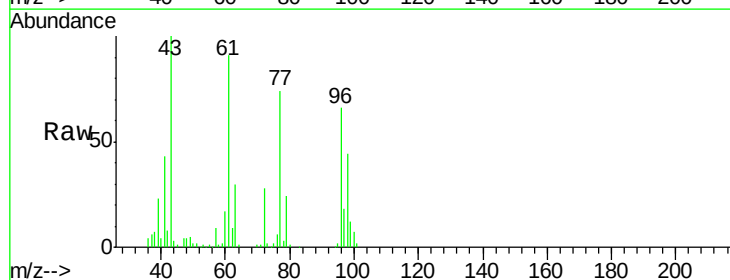
Tgt Ion: 96 Resp: 161613

Ion Ratio Lower Upper

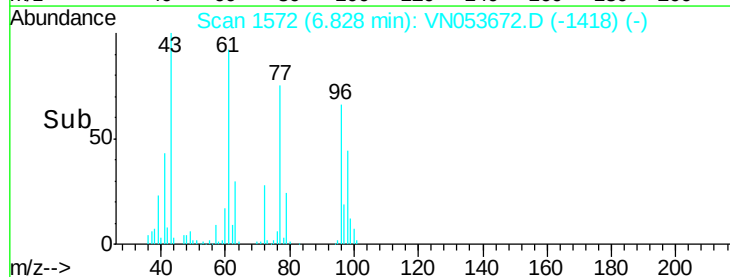
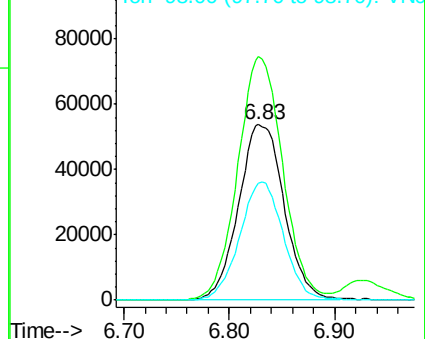
96 100

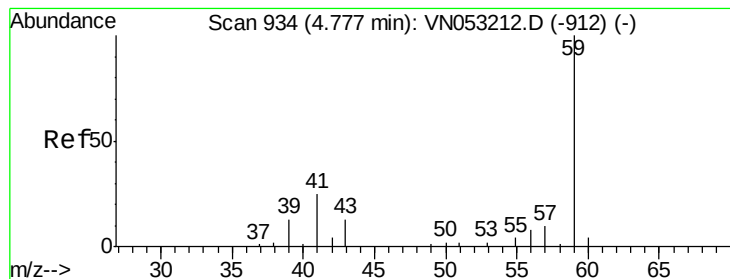
61 136.6 116.7 175.1

98 64.5 50.8 76.2



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



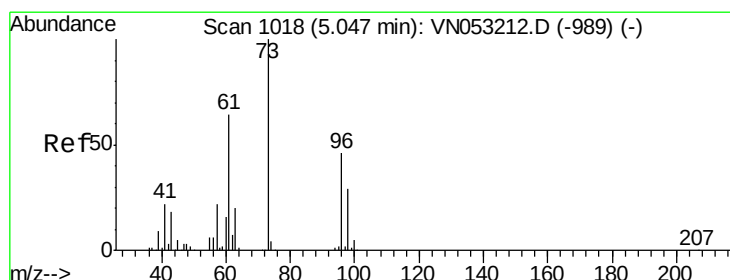
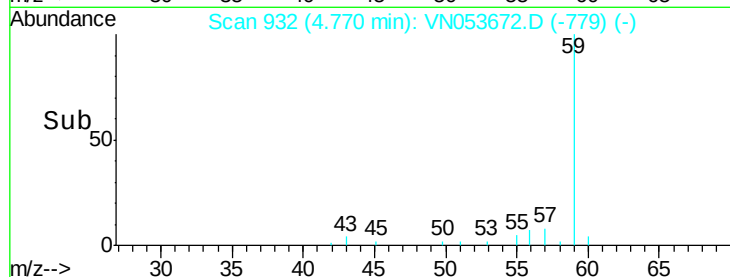
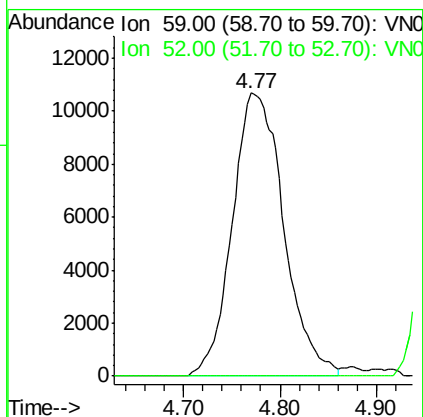
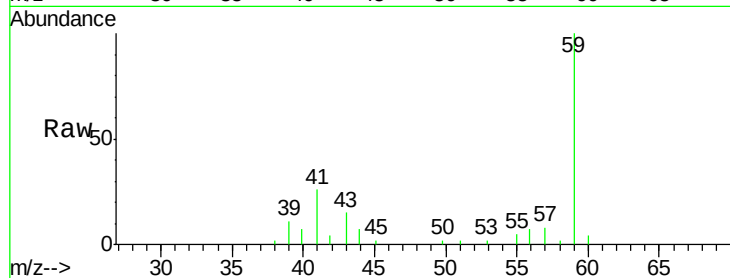


#23

tert-Butyl Alcohol
 Concen: 83.566 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Instrument :
 MSVOA_N
 ClientSampled :

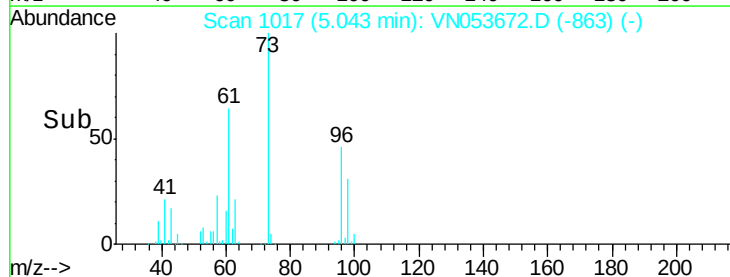
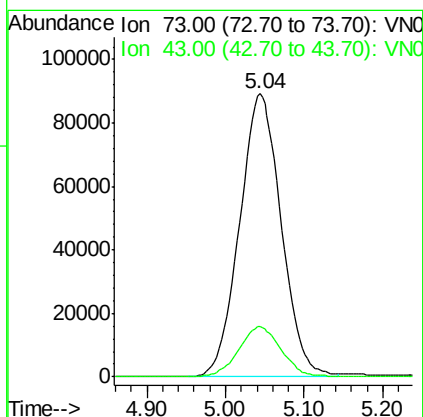
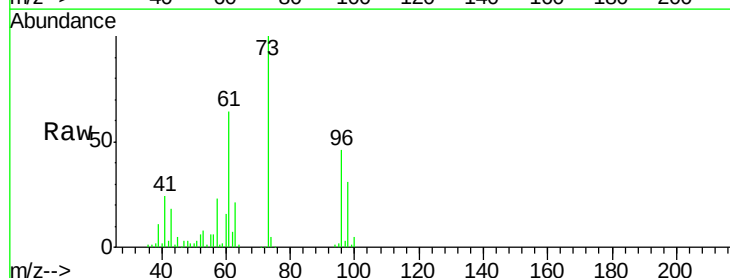
Tot Ion: 59 Resp: 39408
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

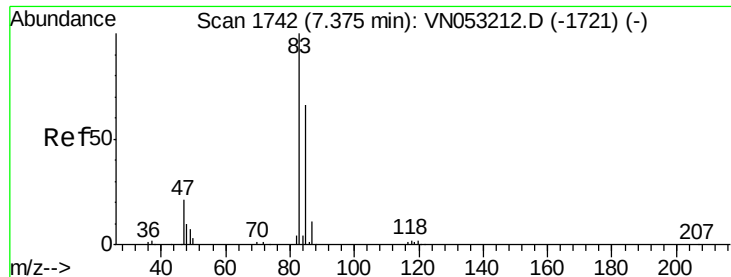


#24

Methyl tert-Butyl Ether
 Concen: 15.870 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 73 Resp: 332010
 Ion Ratio Lower Upper
 73 100
 43 17.6 15.8 23.8





#25

Chloroform

Concen: 17.402 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

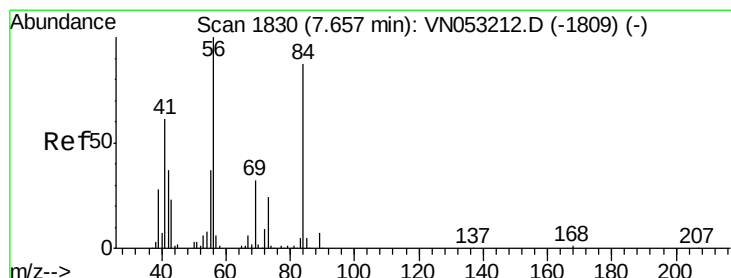
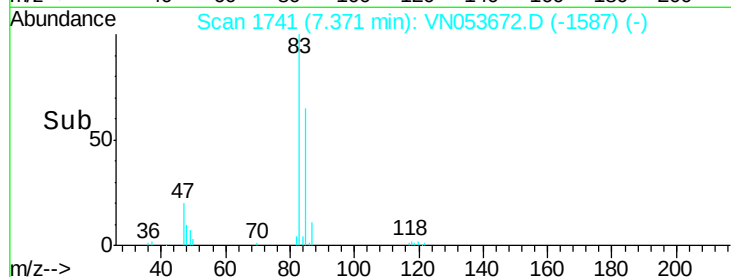
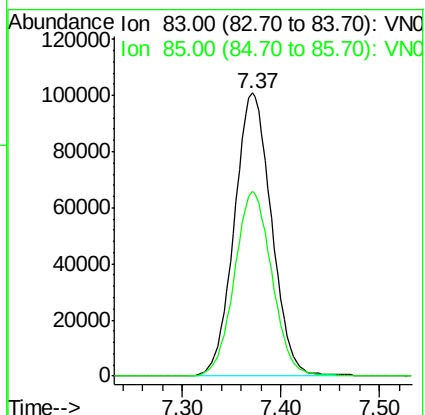
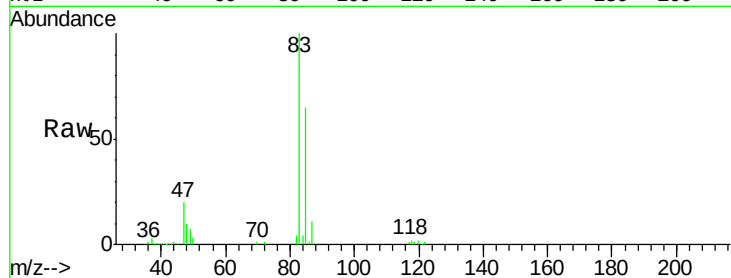
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 263247

Ion Ratio Lower Upper

83 100

85 65.3 51.7 77.5



#26

Cyclohexane

Concen: 14.764 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

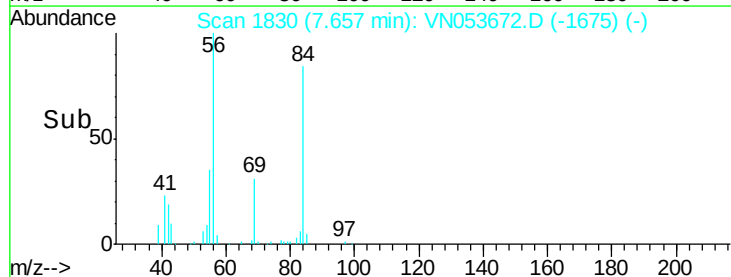
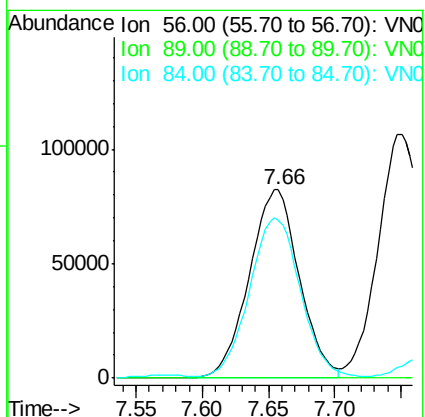
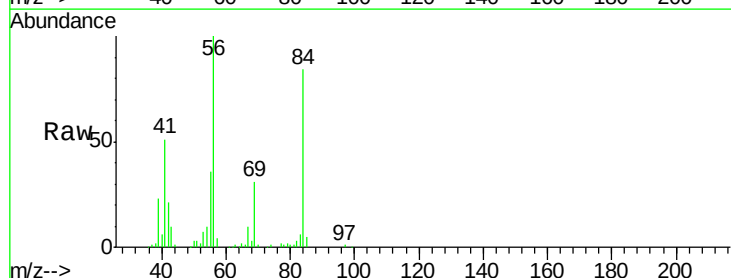
Tgt Ion: 56 Resp: 216717

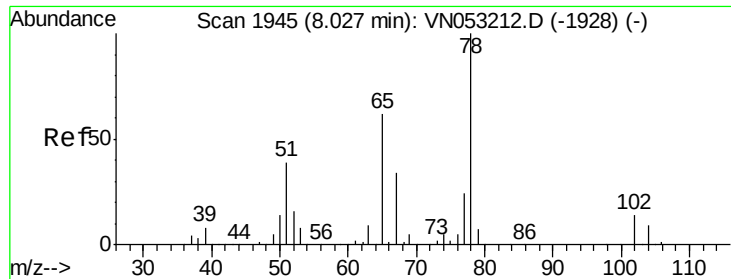
Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 87.3 66.2 99.2

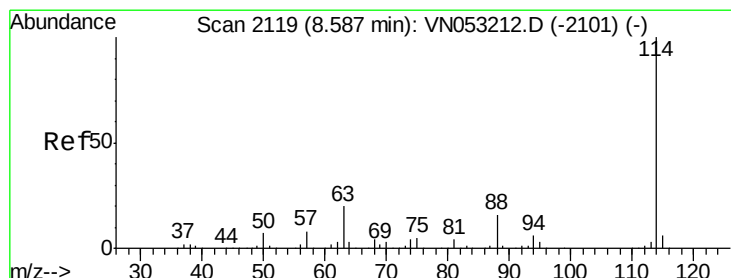
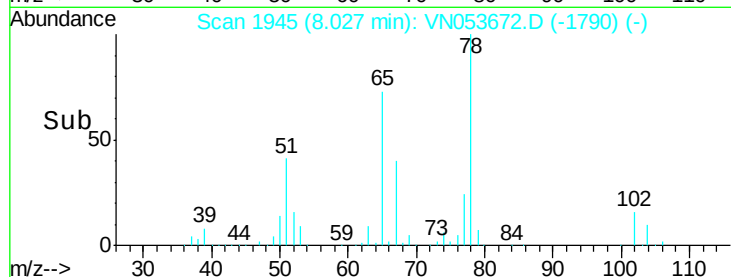
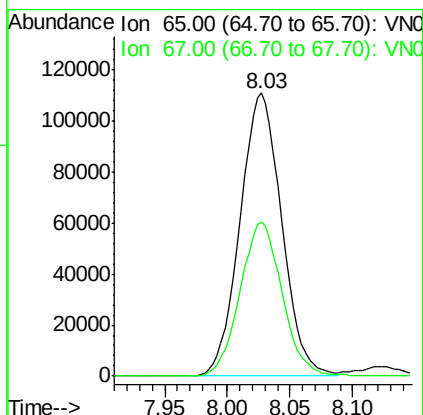
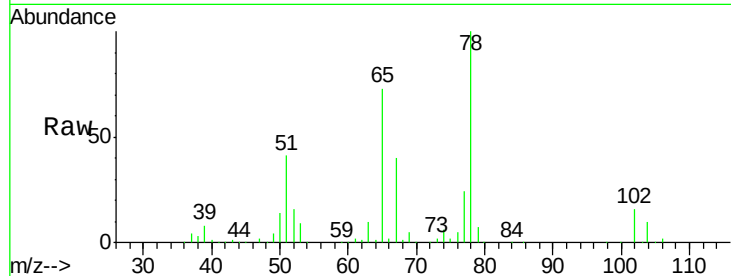




#27
 1,2-Dichloroethane-d4
 Concen: 14.764 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

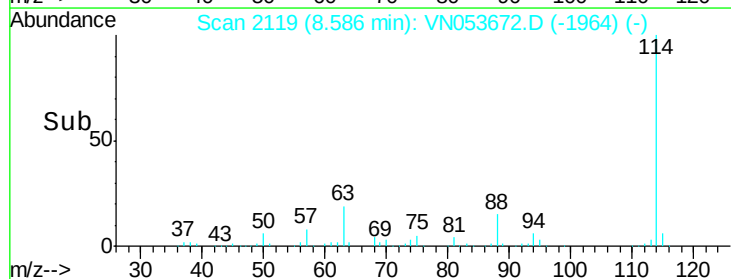
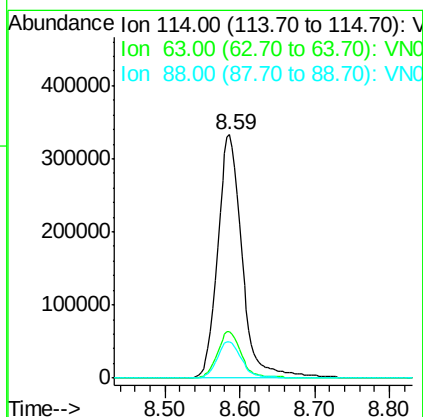
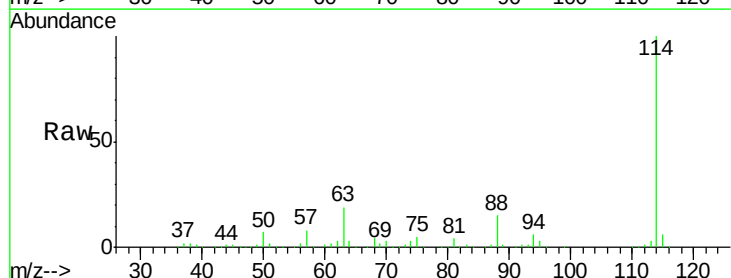
Instrument :
 MSVOA_N
 ClientSampled :

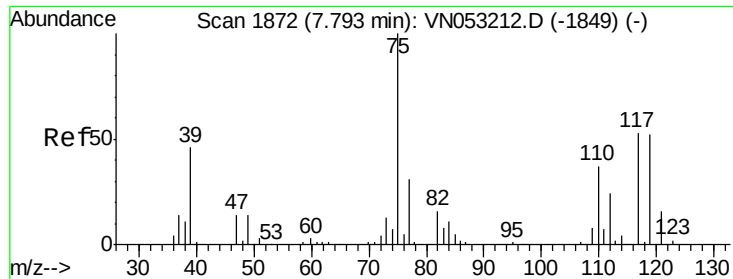
Tot Ion: 65 Resp: 256683
 Ion Ratio Lower Upper
 65 100
 67 54.8 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 114 Resp: 753208
 Ion Ratio Lower Upper
 114 100
 63 19.0 16.9 25.3
 88 14.7 12.8 19.2

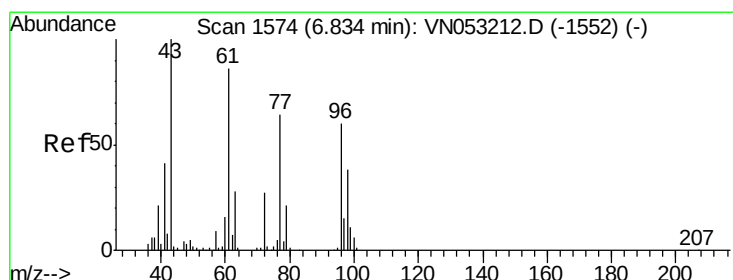
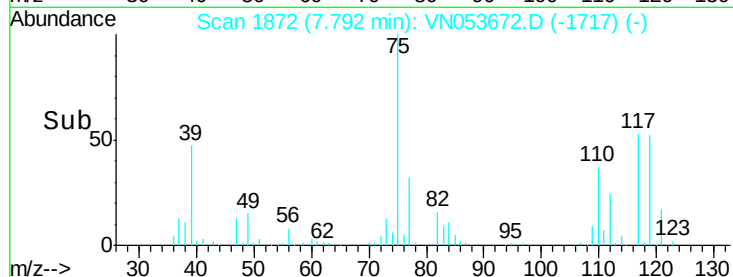
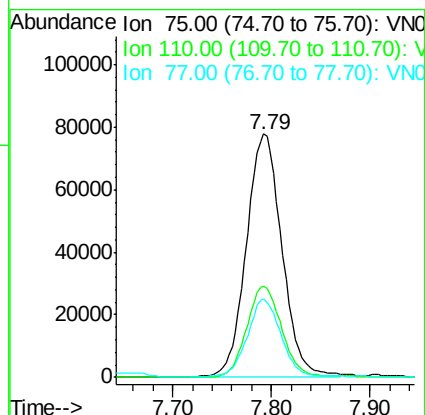
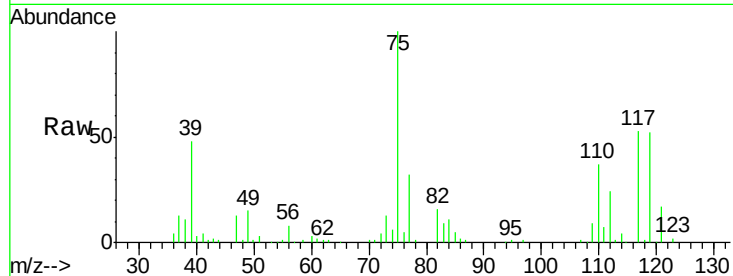




#29
 1,1-Dichloropropene
 Concen: 17.069 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

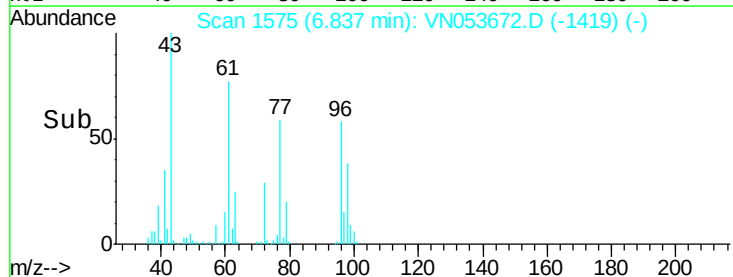
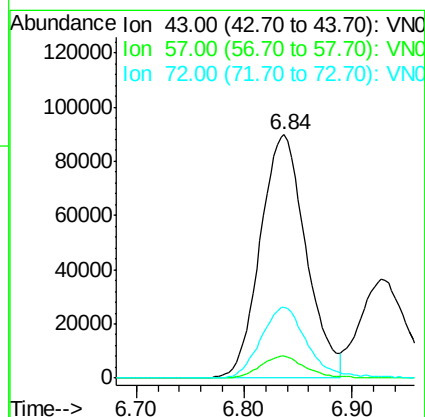
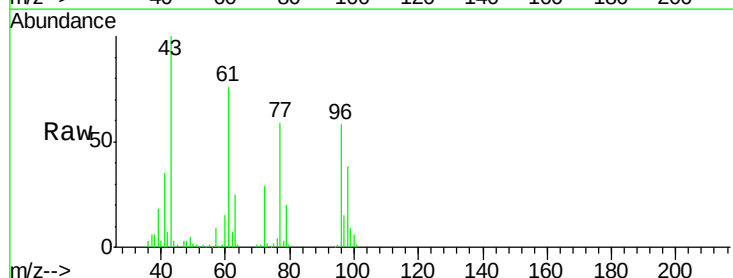
Instrument :
 MSVOA_N
 ClientSampled :

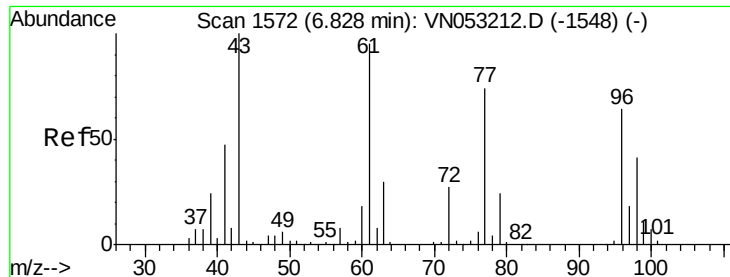
Tot Ion: 75 Resp: 194743
 Ion Ratio Lower Upper
 75 100
 110 36.7 0.0 70.2
 77 30.7 0.0 62.6



#30
 2-Butanone
 Concen: 92.698 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 43 Resp: 263859
 Ion Ratio Lower Upper
 43 100
 57 8.7 6.2 9.4
 72 29.0 21.0 31.6





#31

2,2-Dichloropropane

Concen: 17.686 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

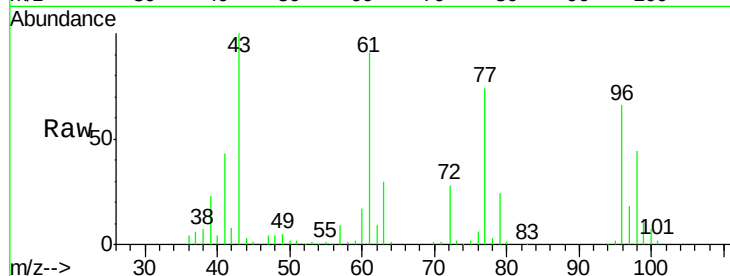
ClientSampleId :

Tot Ion: 77 Resp: 195349

Ion Ratio Lower Upper

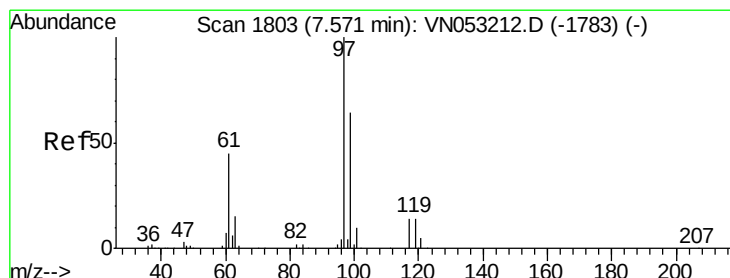
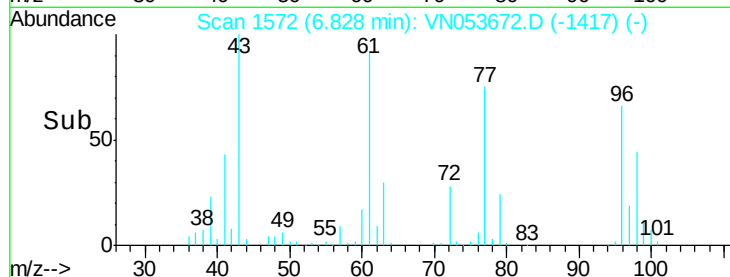
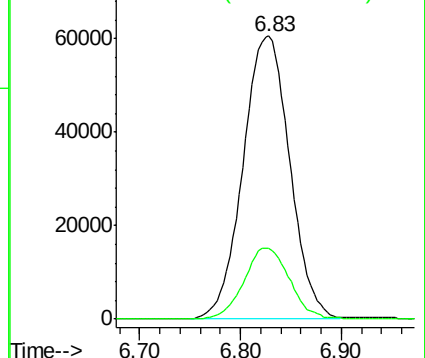
77 100

97 24.4 18.7 28.1



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.487 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

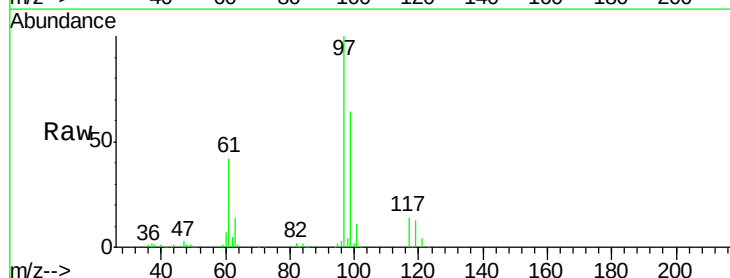
Tgt Ion: 97 Resp: 220993

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

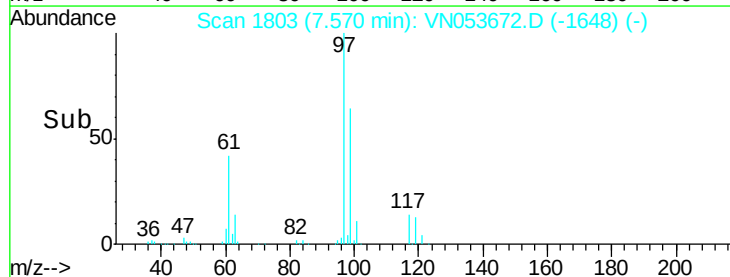
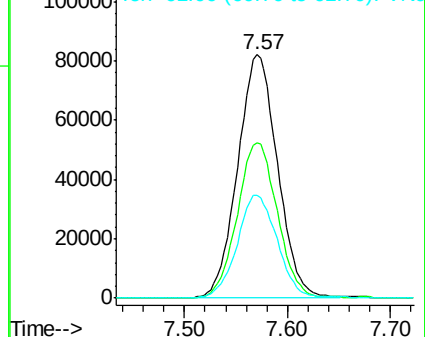
61 42.3 38.1 57.1

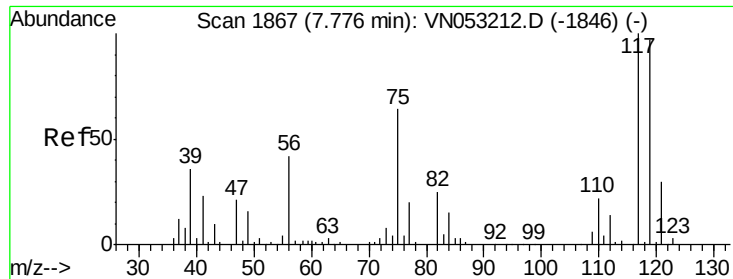


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

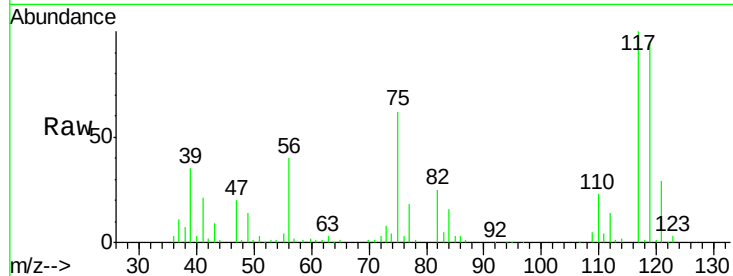




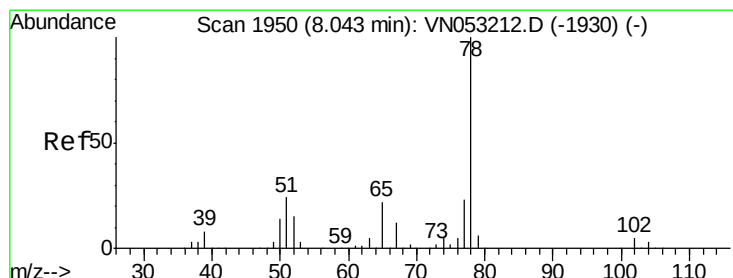
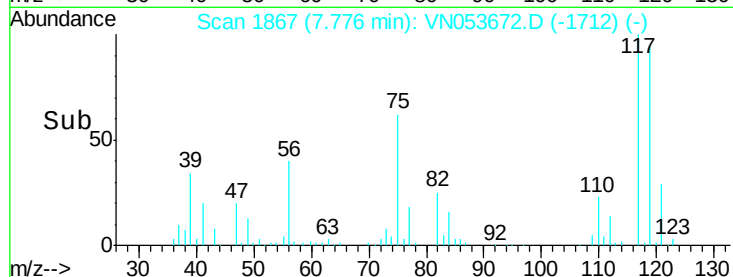
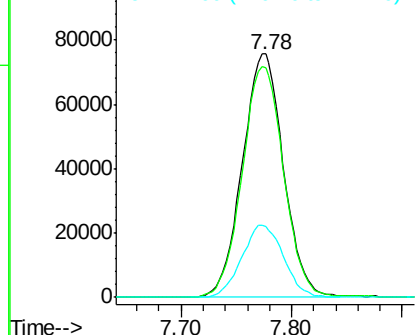
#33
Carbon Tetrachloride
Concen: 18.687 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 195533
Ion Ratio Lower Upper
117 100
119 94.3 77.3 115.9
121 29.0 24.9 37.3

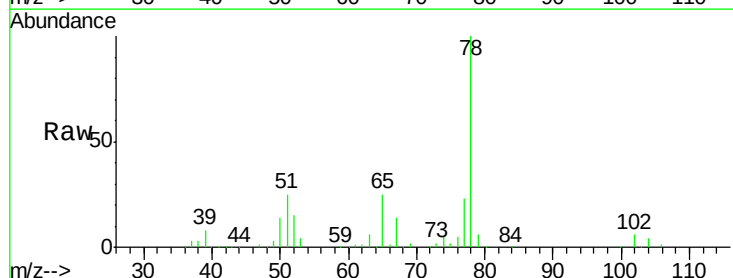


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

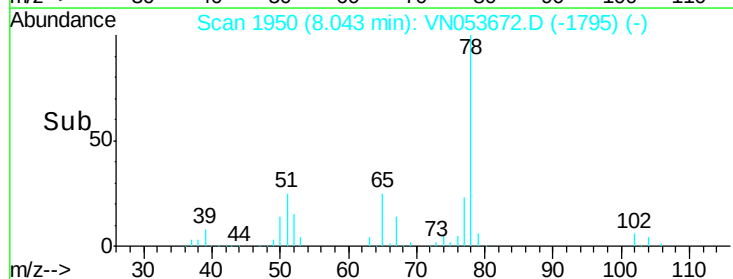
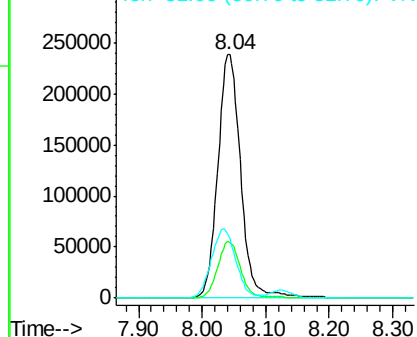


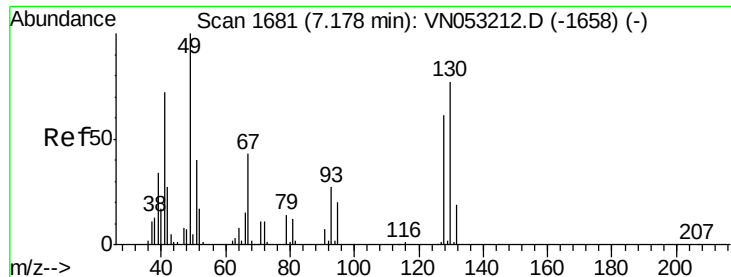
#34
Benzene
Concen: 17.424 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 78 Resp: 597446
Ion Ratio Lower Upper
78 100
77 23.0 19.0 28.6
51 24.5 20.5 30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

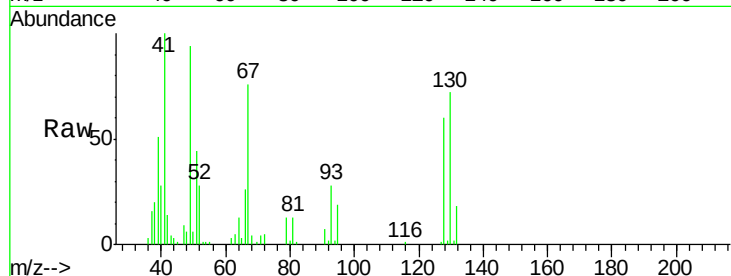




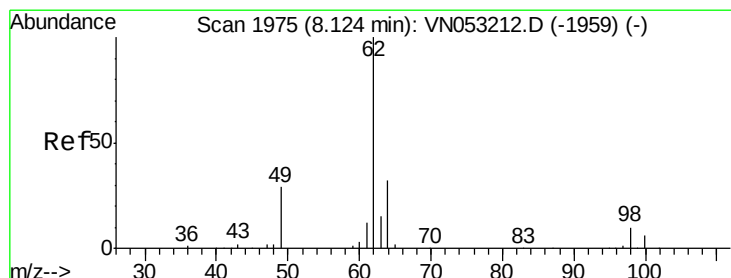
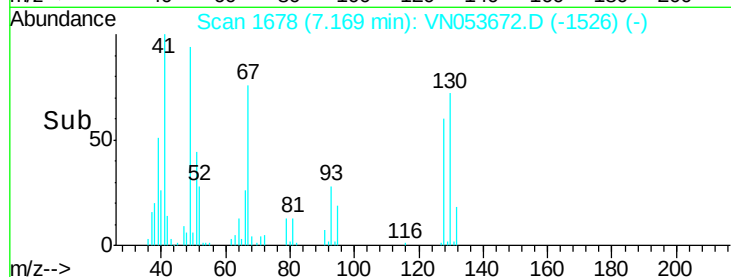
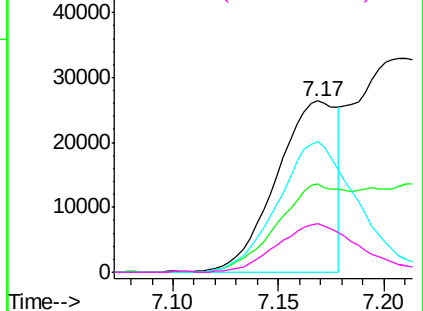
#35
Methacrylonitrile
Concen: 14.397 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 52880
Ion Ratio Lower Upper
41 100
39 51.2 26.6 79.7
67 76.5 32.3 96.9
52 27.5 13.0 38.9

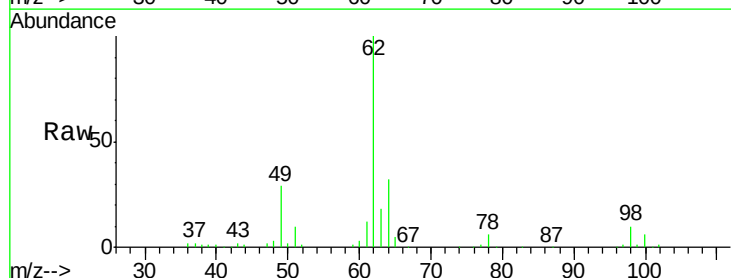


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

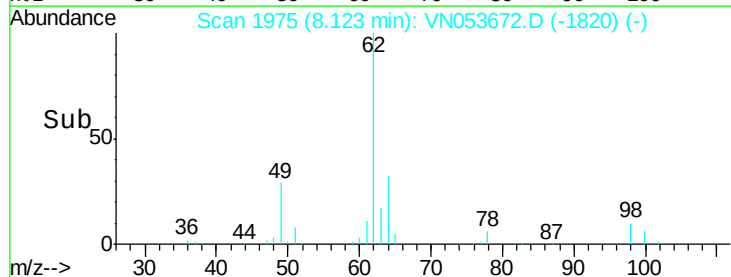
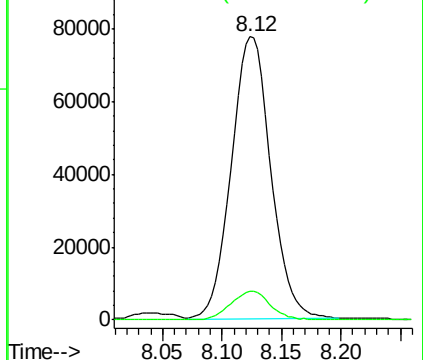


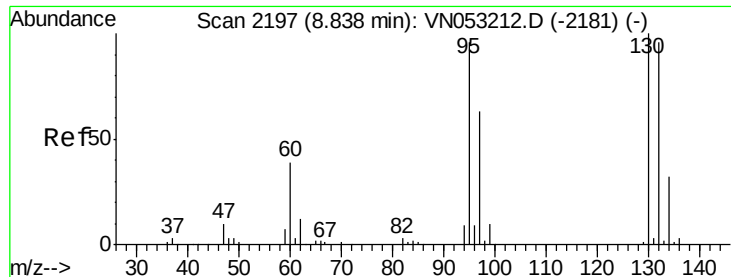
#36
1,2-Dichloroethane
Concen: 17.921 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 62 Resp: 178389
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VNC
Ion 98.00 (97.70 to 98.70): VNC





#37

Trichloroethene

Concen: 17.414 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

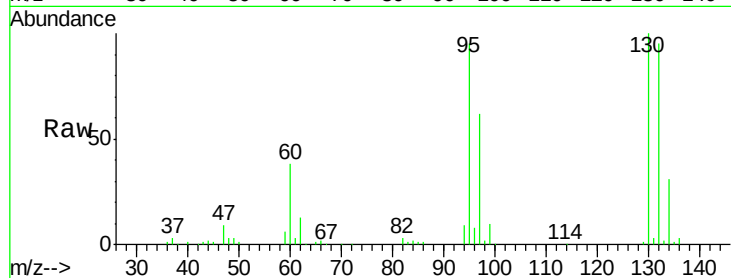
ClientSampleId :

Tot Ion:130 Resp: 161757

Ion Ratio Lower Upper

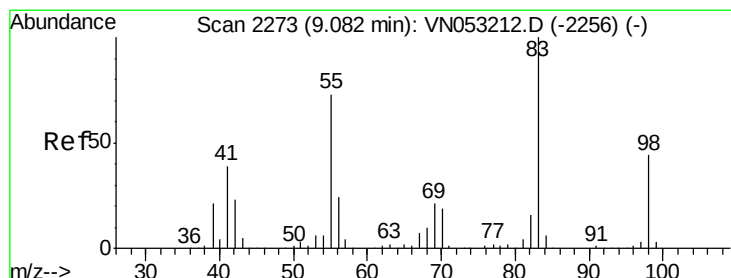
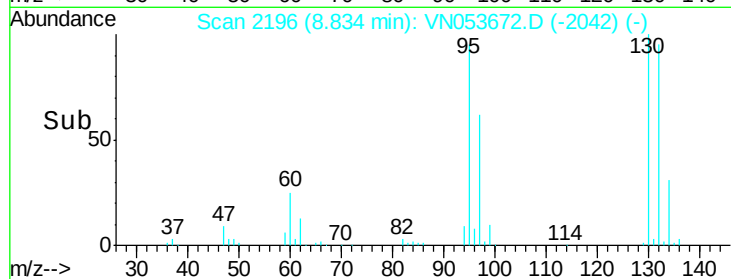
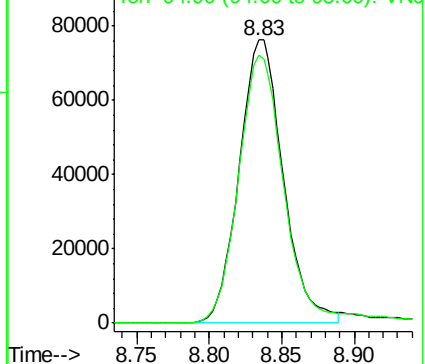
130 100

95 94.7 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO



#38

Methylcyclohexane

Concen: 16.497 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

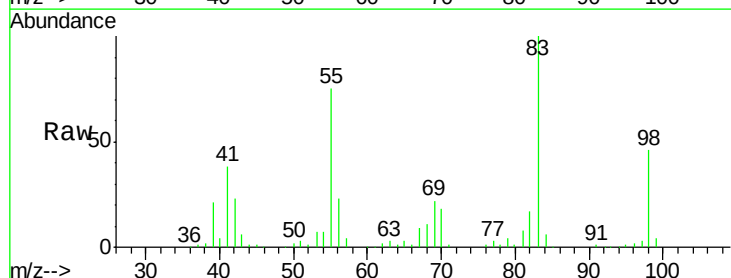
Tgt Ion: 83 Resp: 220152

Ion Ratio Lower Upper

83 100

55 73.6 39.8 119.4

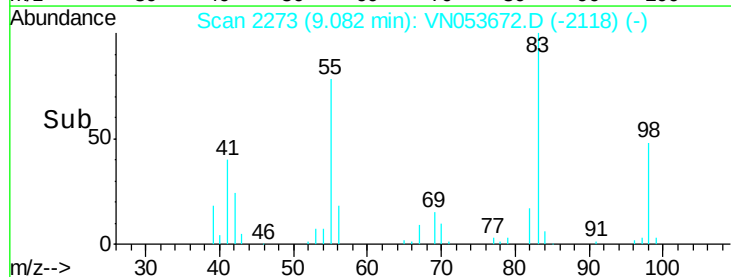
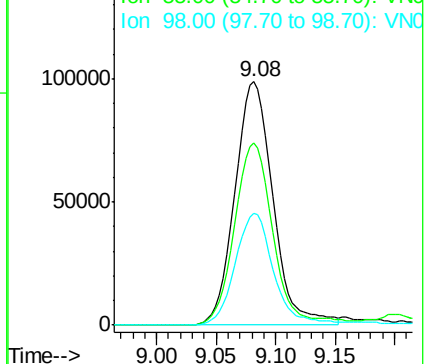
98 46.4 22.9 68.5

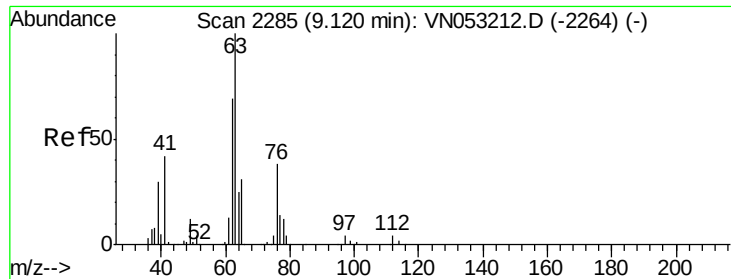


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

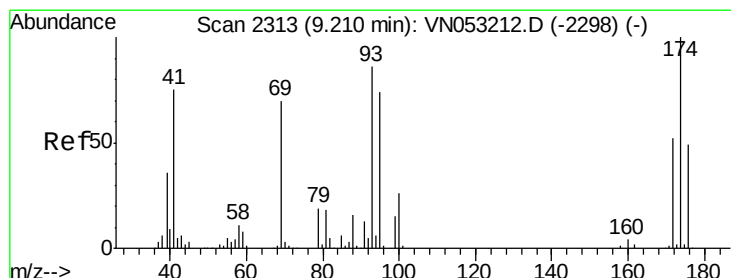
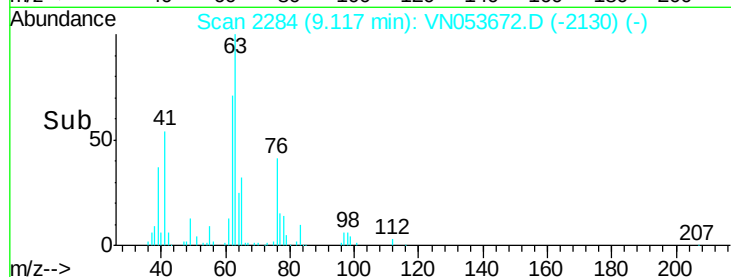
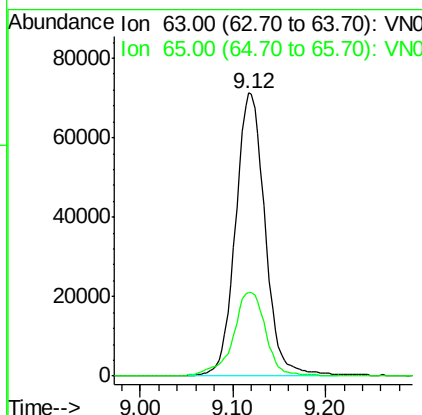
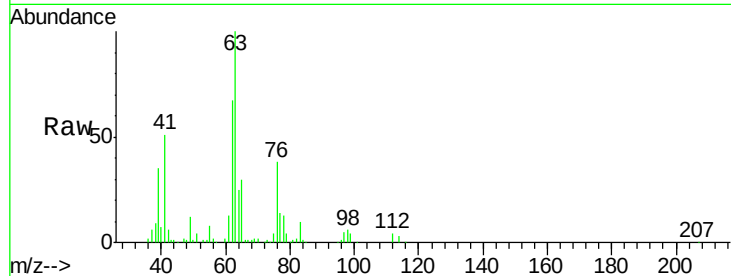




#39
 1,2-Dichloropropane
 Concen: 17.616 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

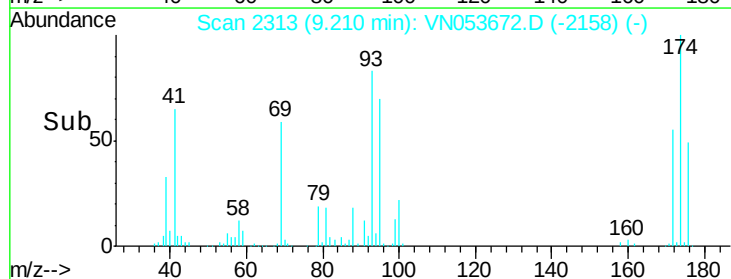
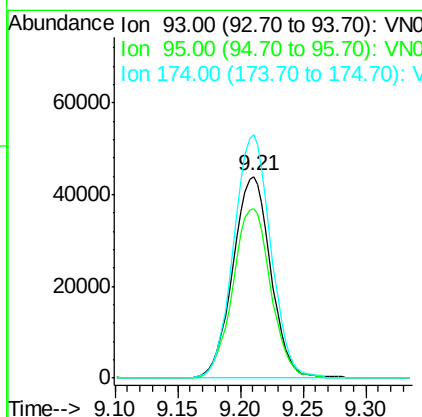
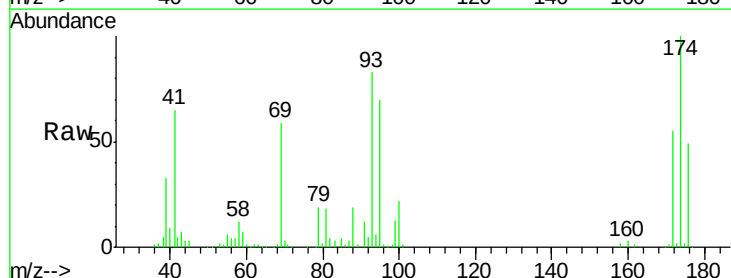
Instrument :
 MSVOA_N
 ClientSampleId :

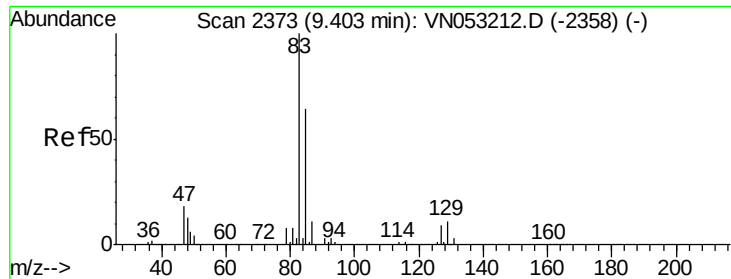
Tot Ion: 63 Resp: 157728
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.6 35.4



#40
 Dibromomethane
 Concen: 18.216 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 93 Resp: 92240
 Ion Ratio Lower Upper
 93 100
 95 84.4 0.0 168.4
 174 118.4 0.0 210.0





#41

Bromodichloromethane

Concen: 18.443 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

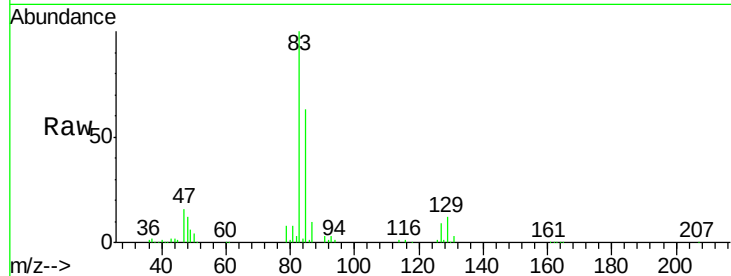
Tot Ion: 83 Resp: 200546

Ion Ratio Lower Upper

83 100

85 63.0 52.4 78.6

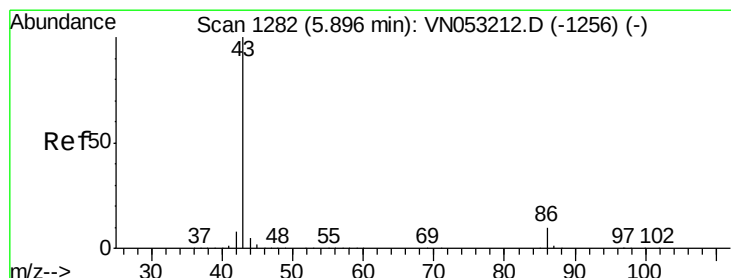
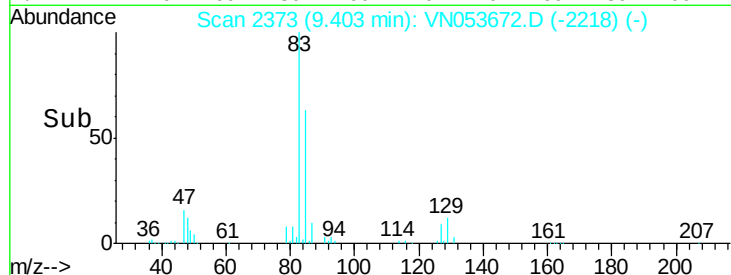
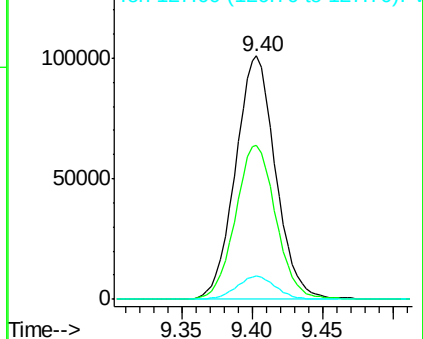
127 9.5 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 83.722 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN053672.D

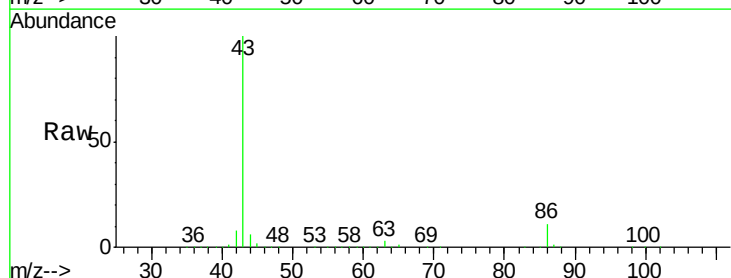
Acq: 8 Feb 2019 10:29

Tgt Ion: 43 Resp: 1300135

Ion Ratio Lower Upper

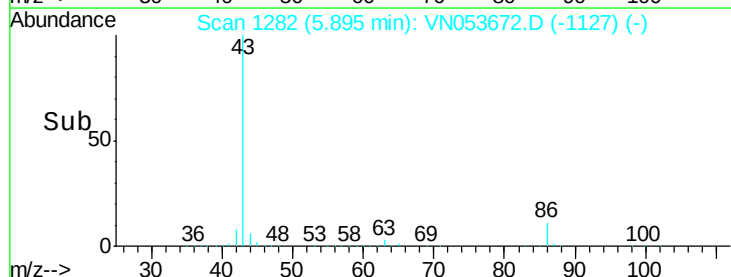
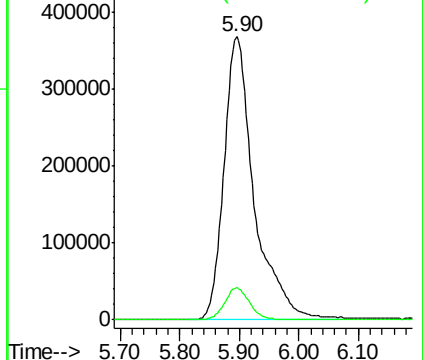
43 100

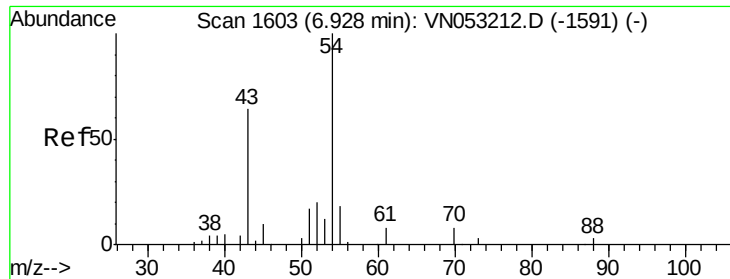
86 9.4 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

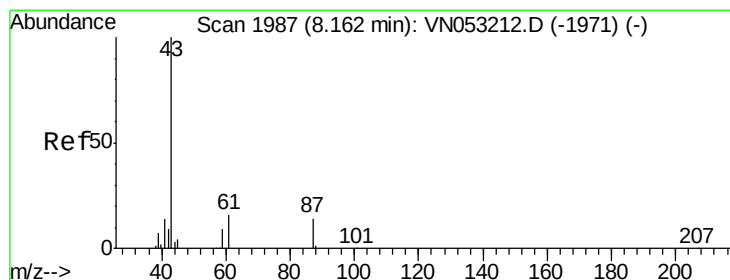
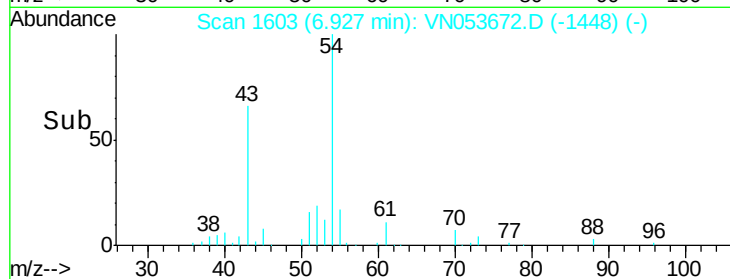
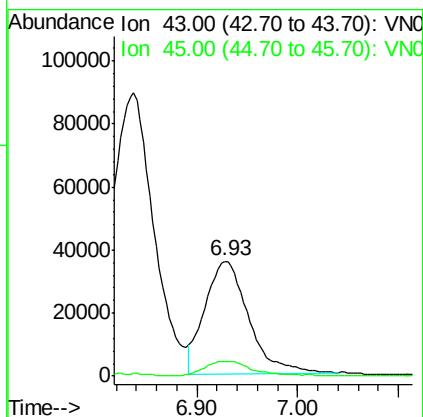
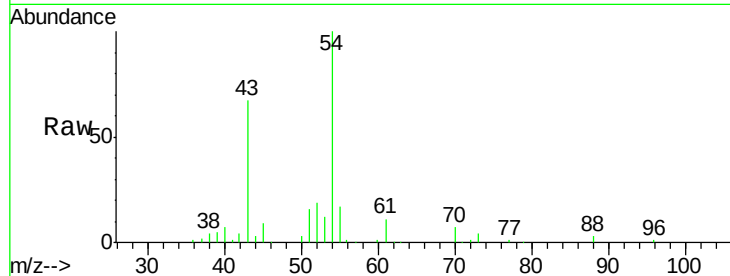




#43
Ethyl Acetate
Concen: 16.911 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

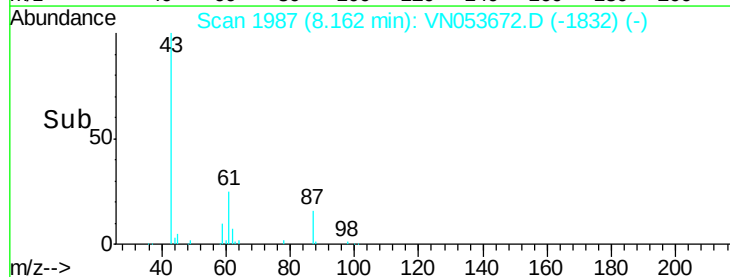
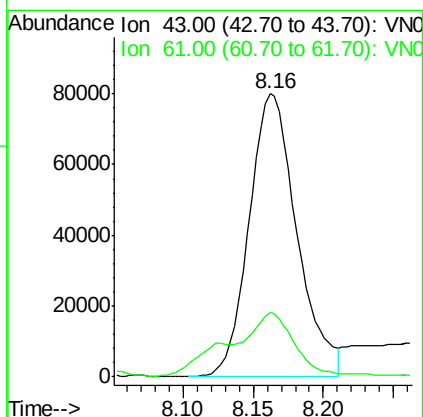
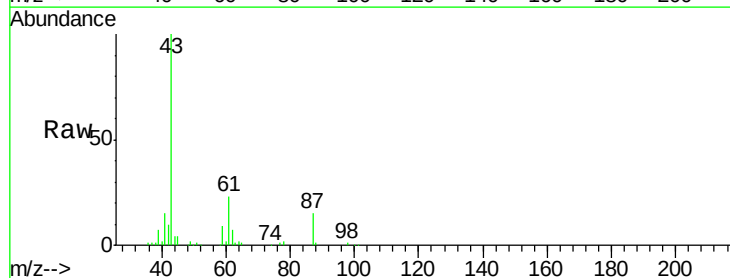
Instrument :
MSVOA_N
ClientSampleId :

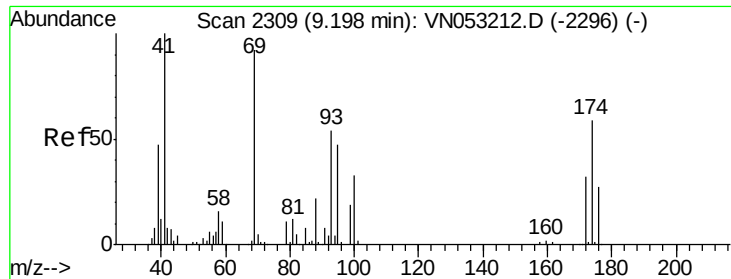
Tot Ion: 43 Resp: 107498
Ion Ratio Lower Upper
43 100
45 13.8 1.0 1.6#



#44
Isopropyl Acetate
Concen: 15.887 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 43 Resp: 188122
Ion Ratio Lower Upper
43 100
61 18.5 16.0 24.0

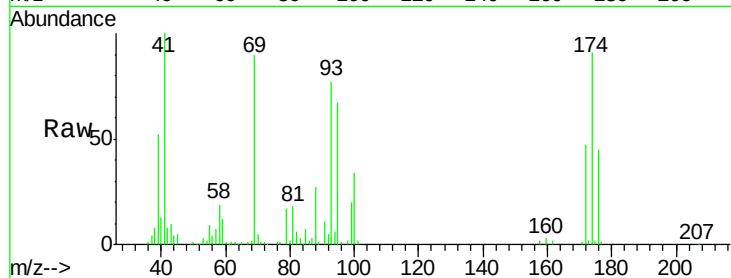




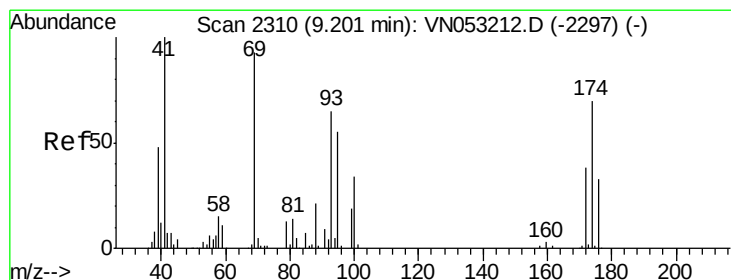
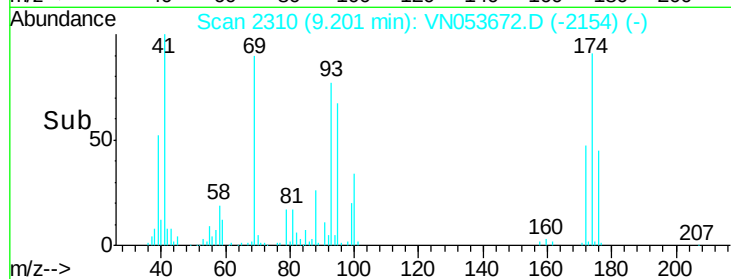
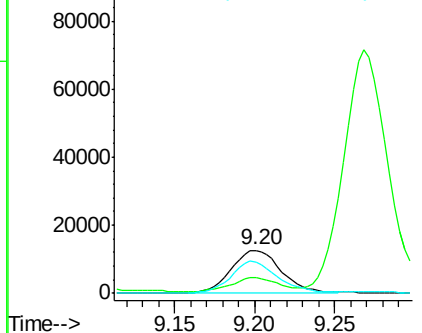
#45
 1,4-Dioxane
 Concen: 373.113 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 27017
 Ion Ratio Lower Upper
 88 100
 43 29.4 29.5 44.3#
 58 70.7 61.5 92.3

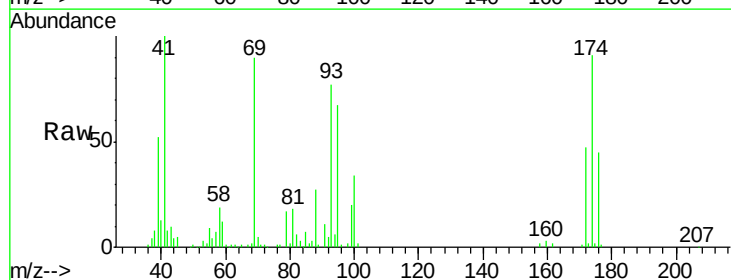


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

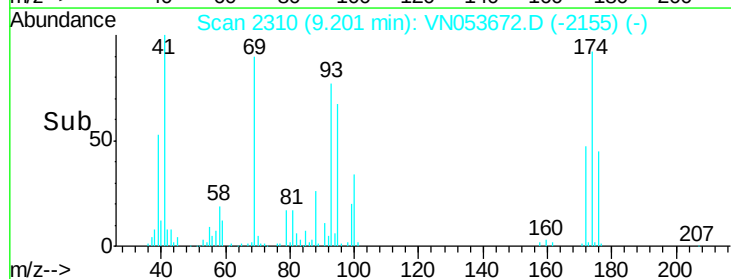
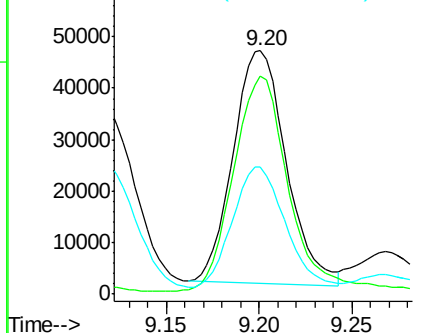


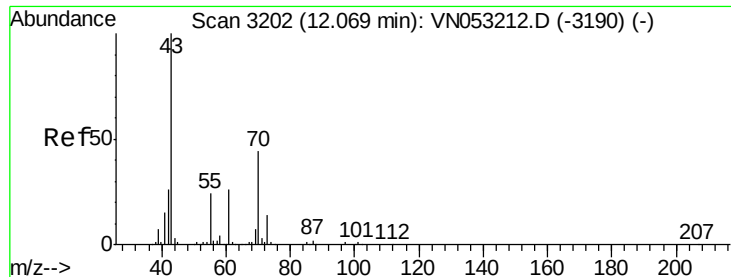
#46
 Methyl methacrylate
 Concen: 15.095 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion: 41 Resp: 90300
 Ion Ratio Lower Upper
 41 100
 69 92.5 42.5 127.6
 39 52.6 26.3 78.9



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





#47

n-amyl Acetate

Concen: 14.194 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

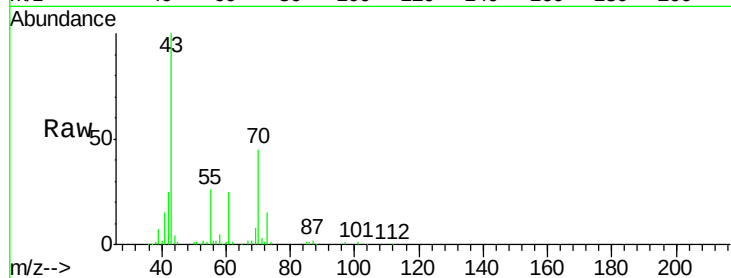
ClientSampled :

Tot Ion: 43 Resp: 147601

Ion Ratio Lower Upper

43 100

55 27.0 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

100000

80000

60000

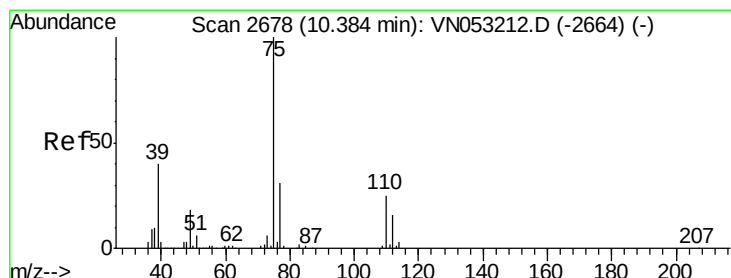
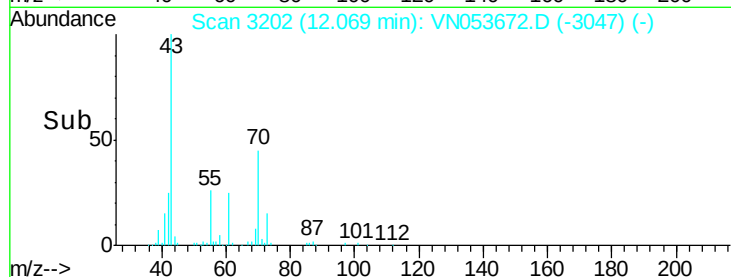
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 17.230 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053672.D

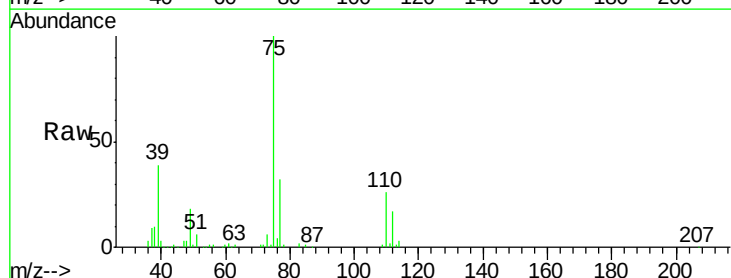
Acq: 8 Feb 2019 10:29

Tgt Ion: 75 Resp: 191227

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

120000

100000

80000

60000

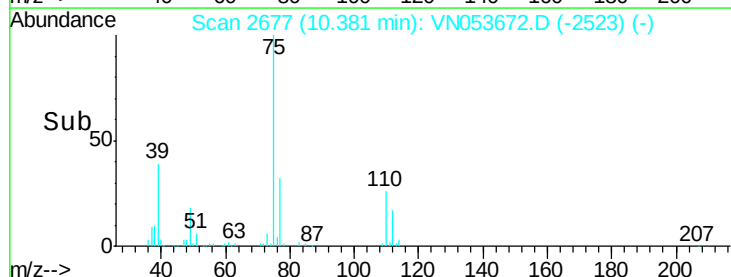
40000

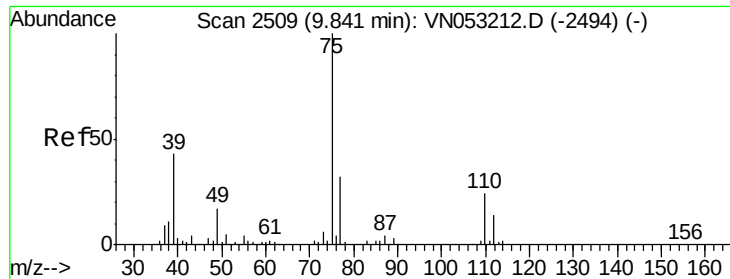
20000

0

Time-->

10.30 10.40 10.50



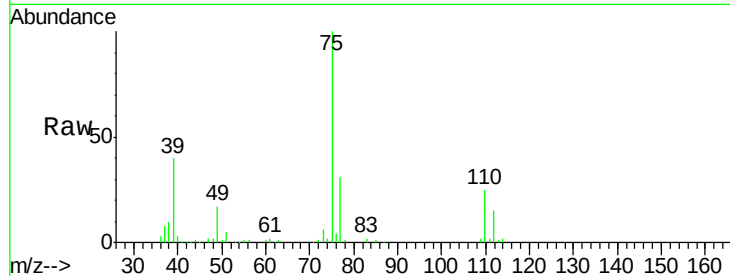


#49

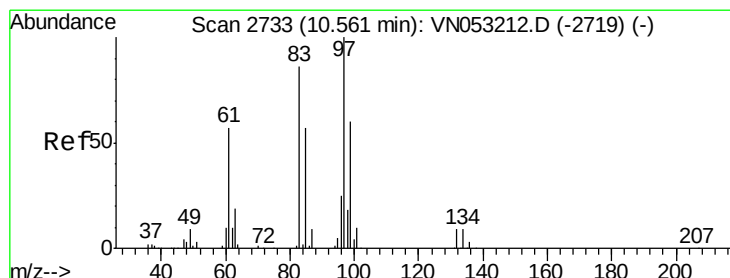
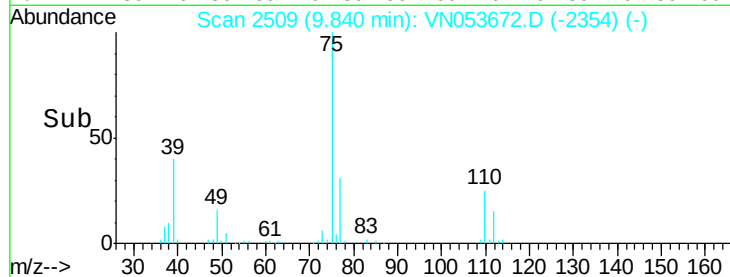
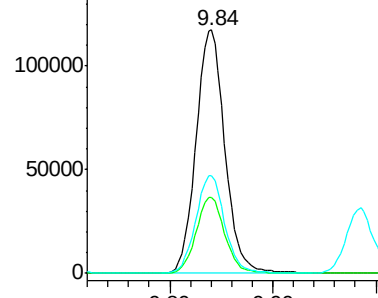
cis-1,3-Dichloropropene
 Concen: 17.479 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	40.3	37.3	55.9



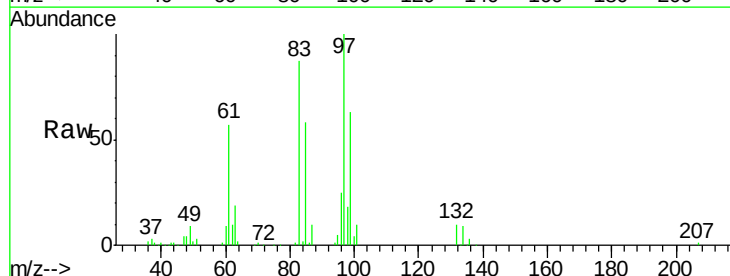
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



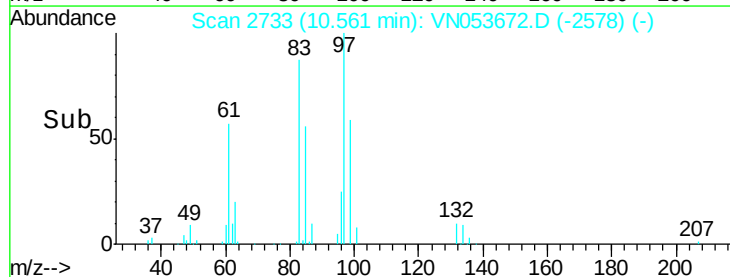
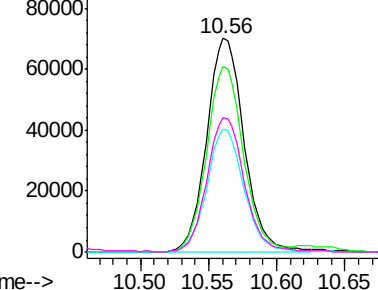
#50

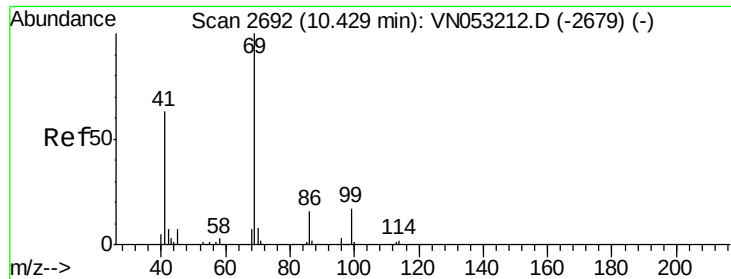
1,1,2-Trichloroethane
 Concen: 18.333 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	70.4	105.6
85	57.7	45.0	67.6
99	62.7	50.2	75.2



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





#51

Ethyl methacrylate

Concen: 15.407 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampled :

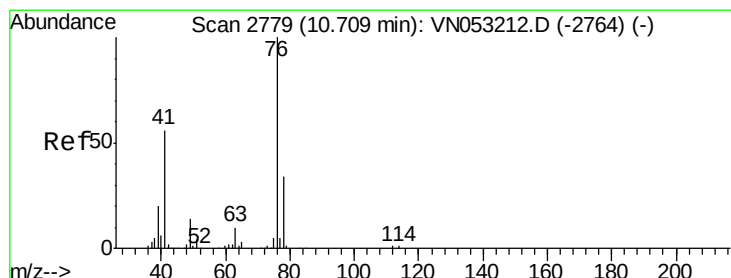
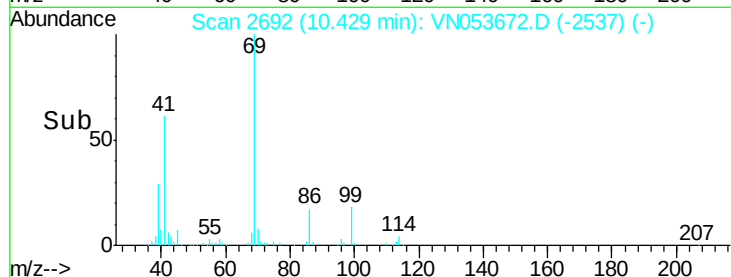
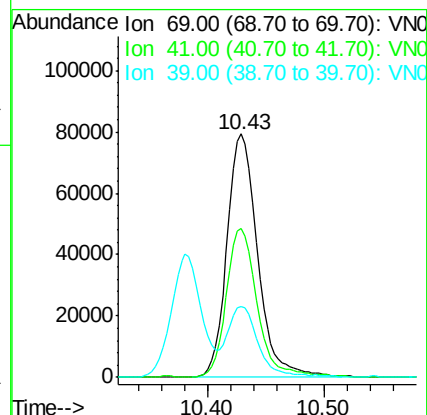
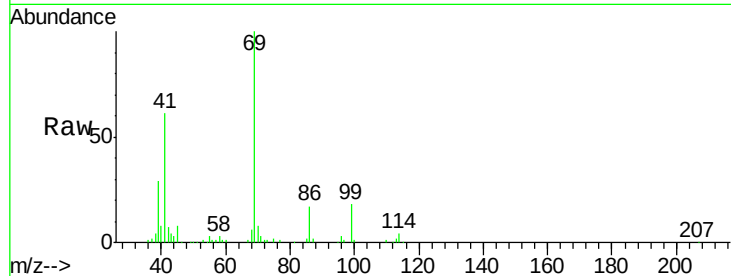
Tot Ion: 69 Resp: 145781

Ion Ratio Lower Upper

69 100

41 61.1 34.4 103.3

39 29.0 16.4 49.2



#52

1,3-Dichloropropane

Concen: 17.622 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN053672.D

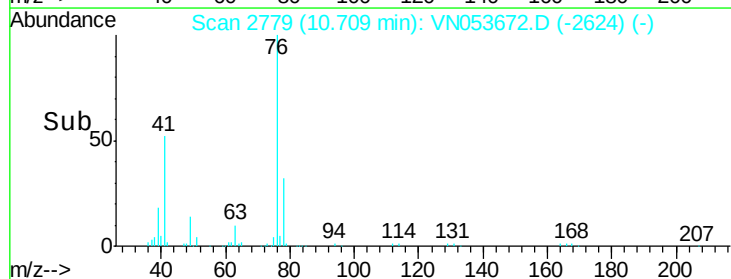
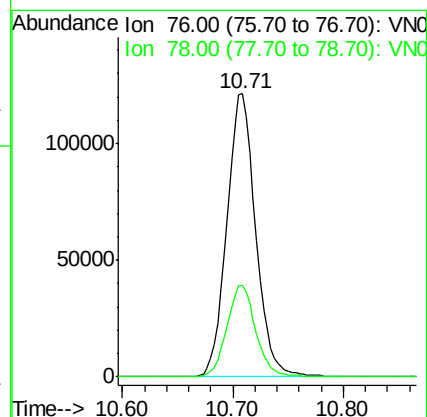
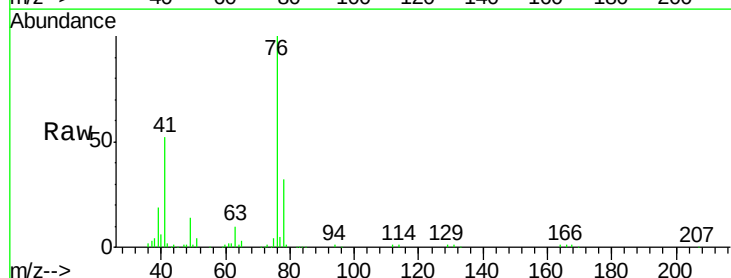
Acq: 8 Feb 2019 10:29

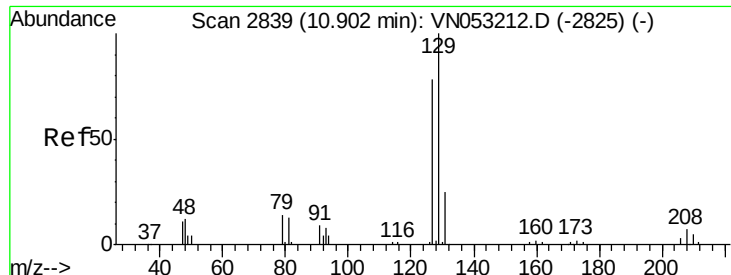
Tgt Ion: 76 Resp: 220387

Ion Ratio Lower Upper

76 100

78 32.4 0.0 64.8

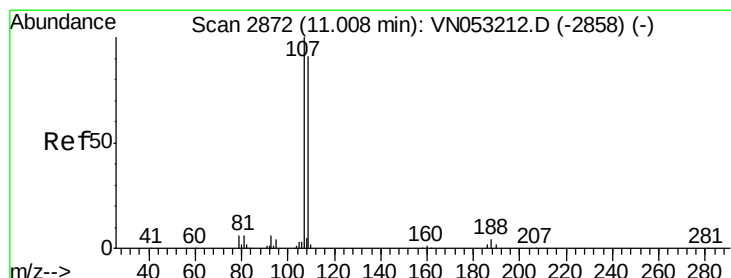
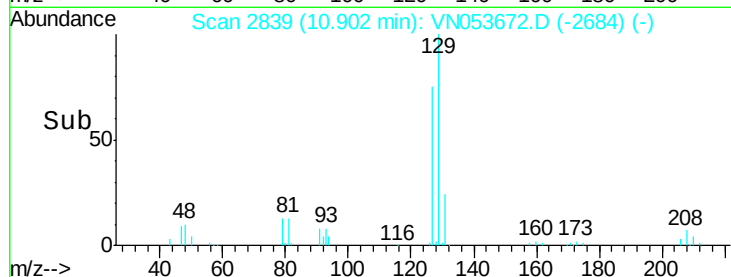
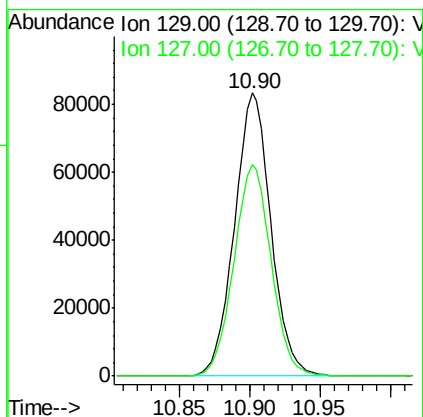
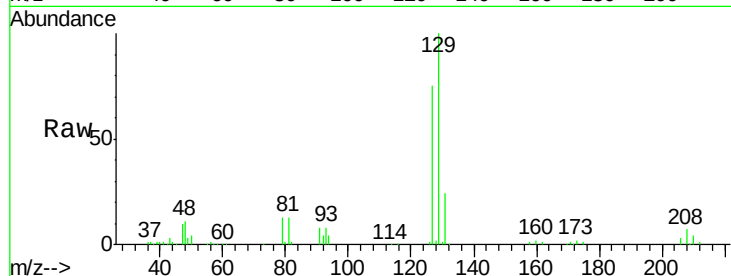




#53
 Dibromochloromethane
 Concen: 18.494 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

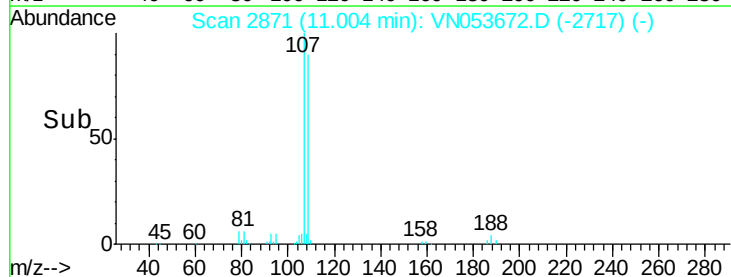
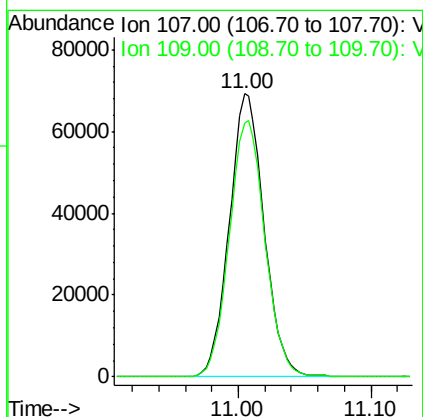
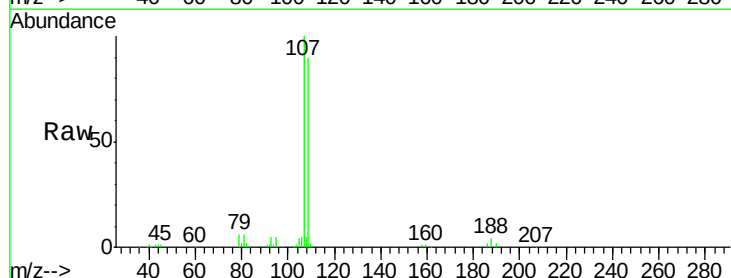
Instrument :
 MSVOA_N
 ClientSampled :

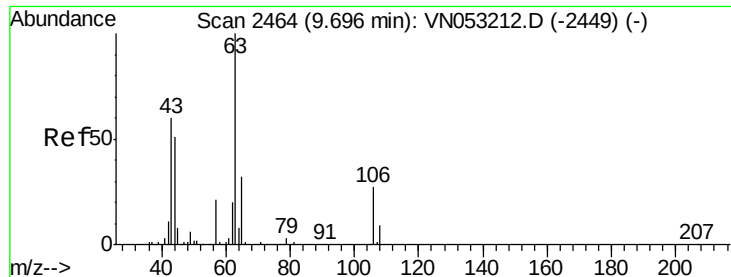
Tot Ion:129 Resp: 150805
 Ion Ratio Lower Upper
 129 100
 127 76.3 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 17.210 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion:107 Resp: 126051
 Ion Ratio Lower Upper
 107 100
 109 92.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 66.203 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

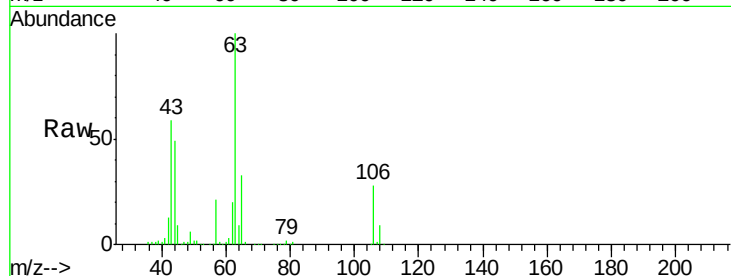
Tot Ion: 63 Resp: 359498

Ion Ratio Lower Upper

63 100

65 32.5 25.4 38.2

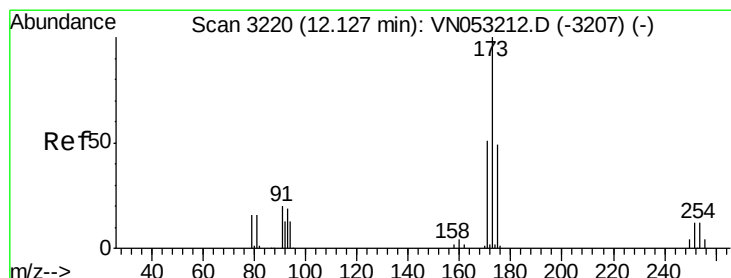
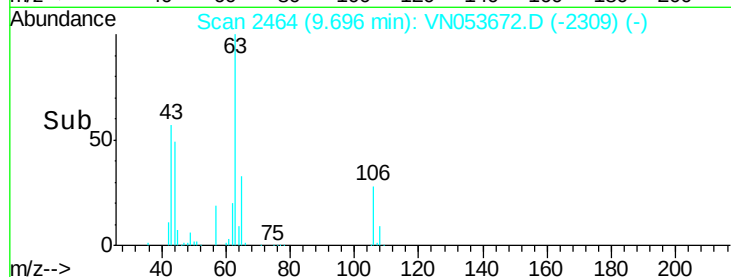
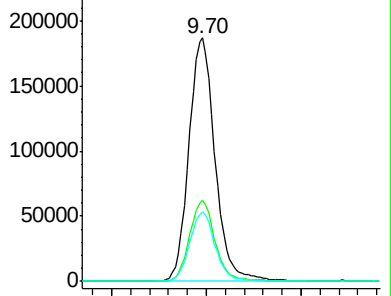
106 27.9 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN053212.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN053212.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN053212.D (-2449) (-)



#56

Bromoform

Concen: 18.002 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

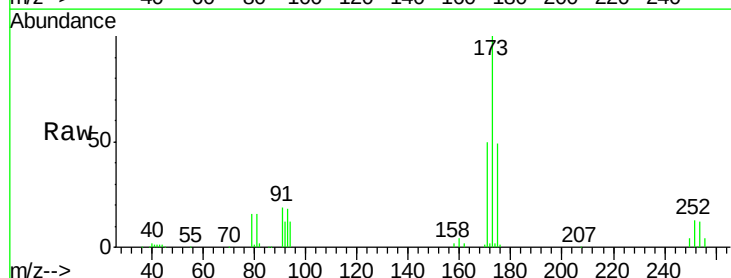
Tgt Ion: 173 Resp: 100417

Ion Ratio Lower Upper

173 100

175 49.5 38.7 58.1

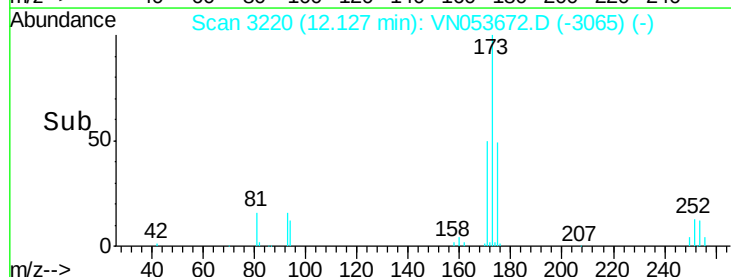
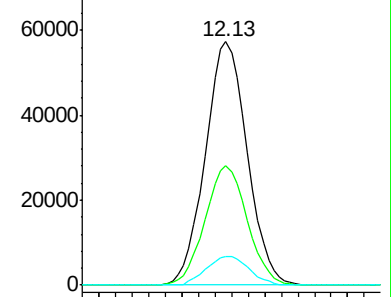
254 12.0 8.4 12.6

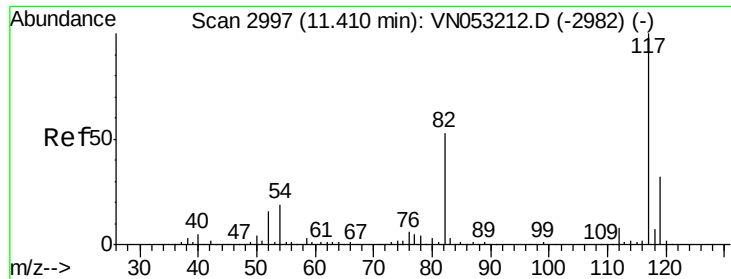


Abundance Ion 173.00 (172.70 to 173.70): VN053212.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN053212.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN053212.D (-3207) (-)

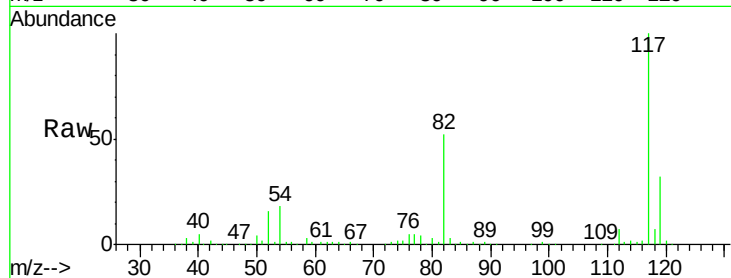




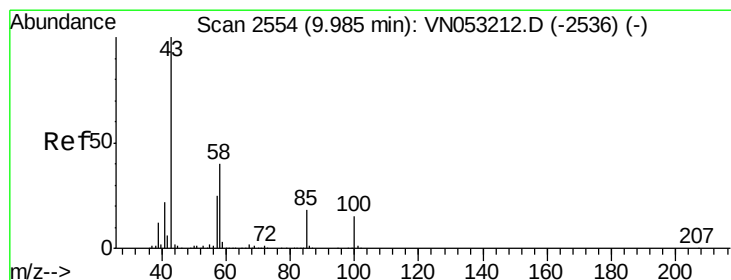
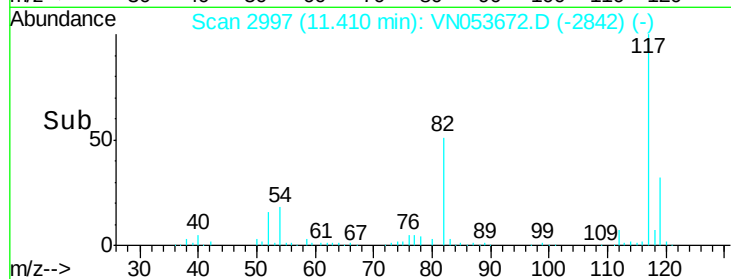
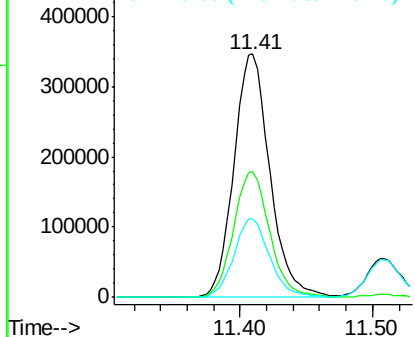
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 652581
Ion Ratio Lower Upper
117 100
82 52.0 44.2 66.2
119 32.2 25.4 38.2

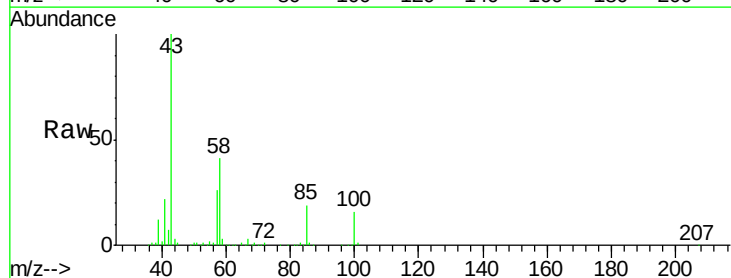


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

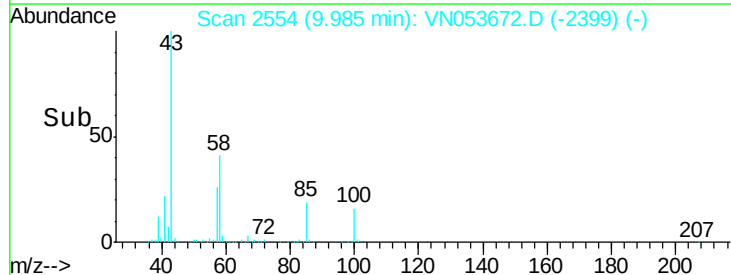
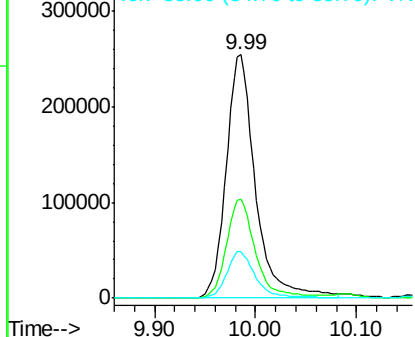


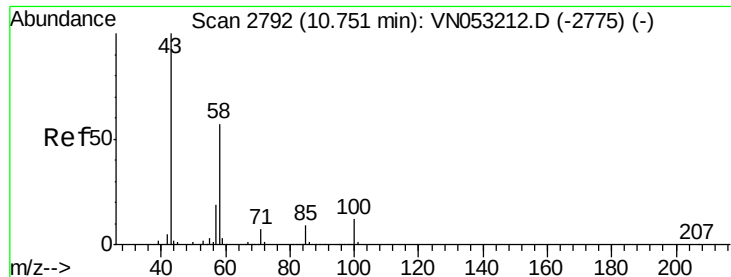
#58
4-Methyl-2-Pentanone
Concen: 82.582 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion: 43 Resp: 513528
Ion Ratio Lower Upper
43 100
58 40.7 31.6 47.4
85 18.9 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

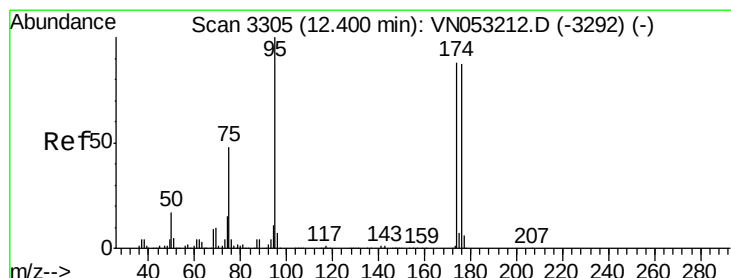
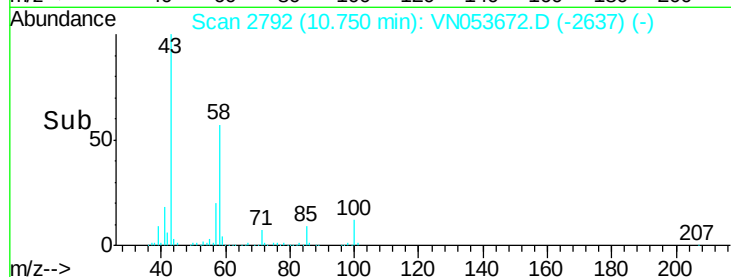
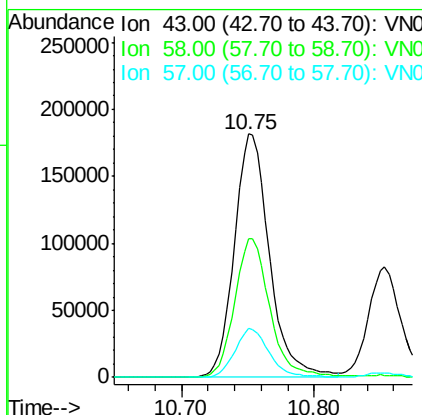
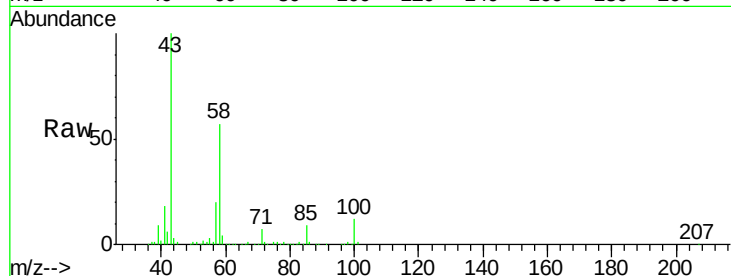




#59
2-Hexanone
Concen: 77.472 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

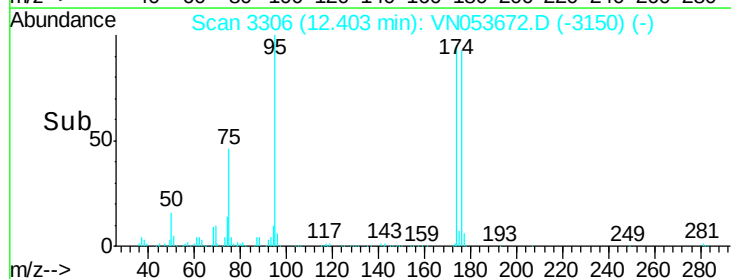
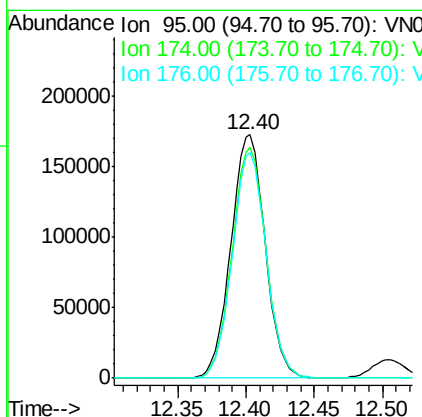
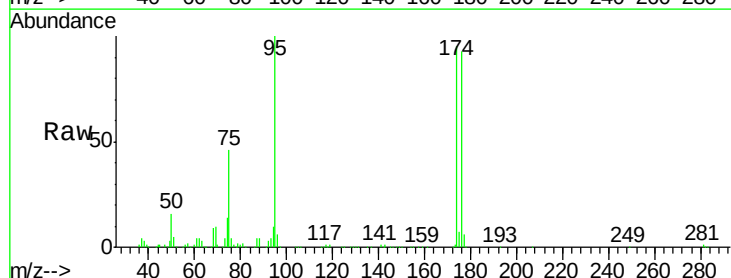
Instrument :
MSVOA_N
ClientSampleId :

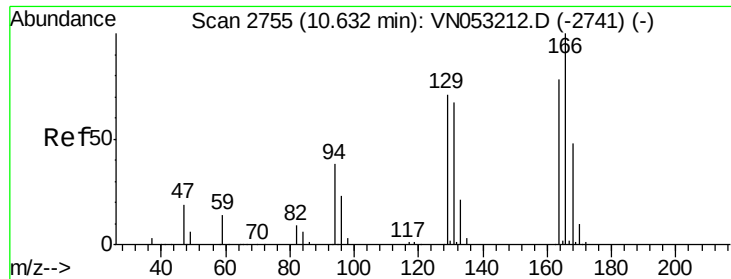
Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	43.2	64.8
57	19.7	14.9	22.3



#60
4-Bromofluorobenzene
Concen: 77.472 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.4	67.9	101.9
176	91.5	66.4	99.6





#61

Tetrachloroethene

Concen: 17.111 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 165017

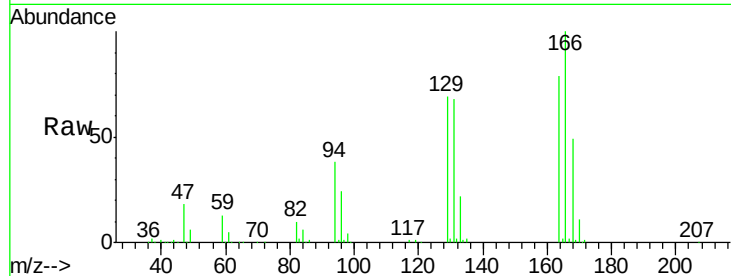
Ion Ratio Lower Upper

164 100

166 126.9 104.6 157.0

129 87.4 75.3 112.9

131 86.9 74.3 111.5

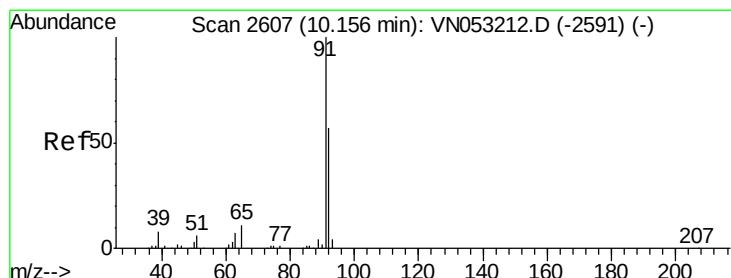
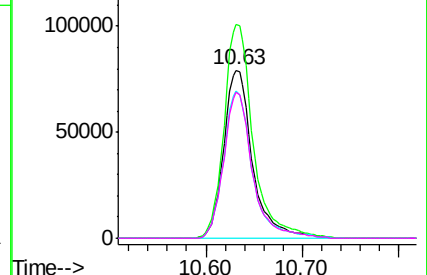
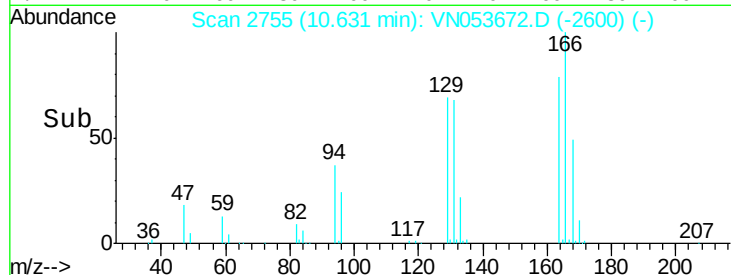


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.701 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053672.D

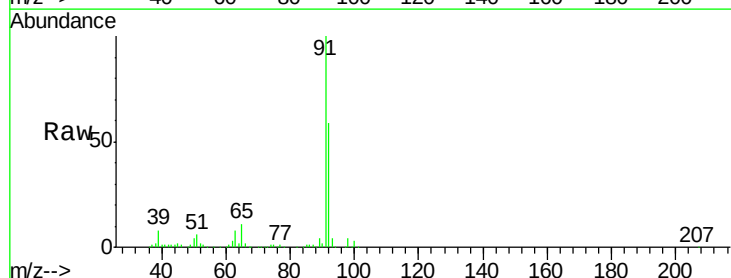
Acq: 8 Feb 2019 10:29

Tgt Ion: 91 Resp: 633498

Ion Ratio Lower Upper

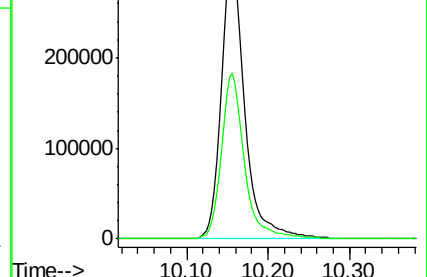
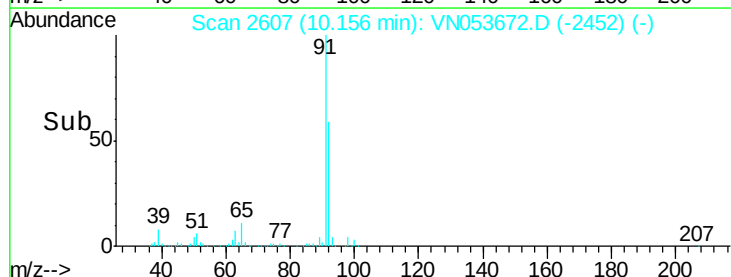
91 100

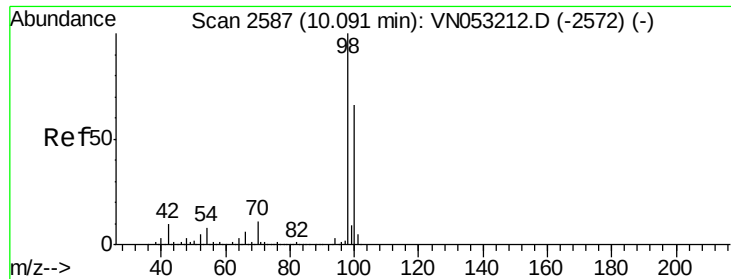
92 57.5 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 17.701 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

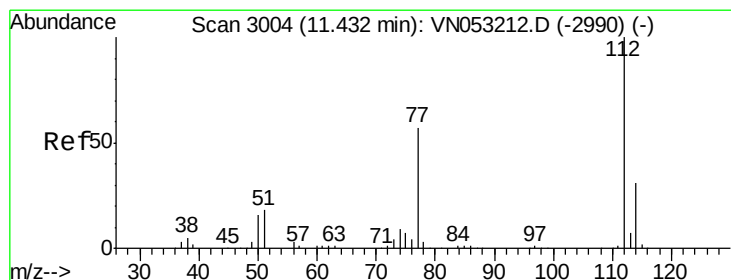
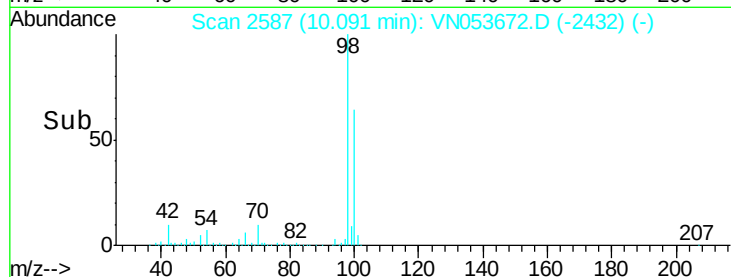
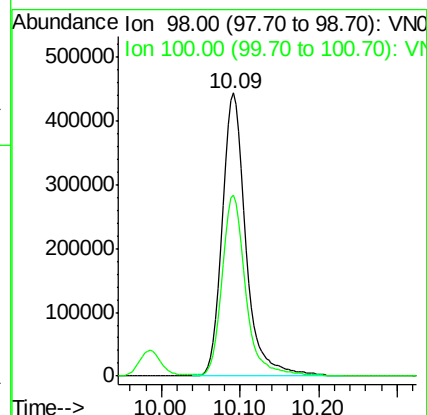
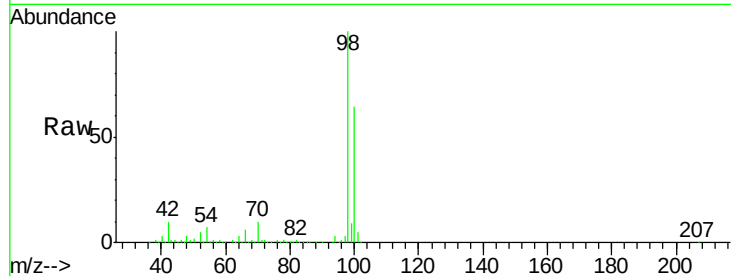
ClientSampled :

Tot Ion: 98 Resp: 920445

Ion Ratio Lower Upper

98 100

100 62.5 51.1 76.7



#64

Chlorobenzene

Concen: 17.911 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053672.D

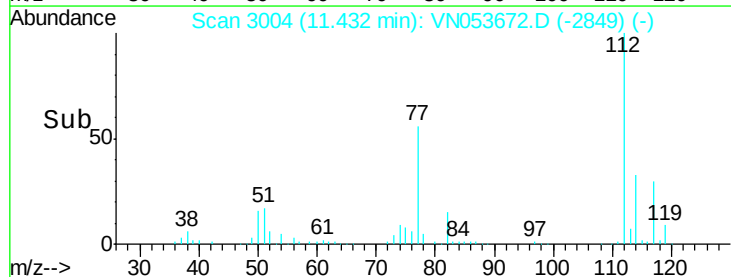
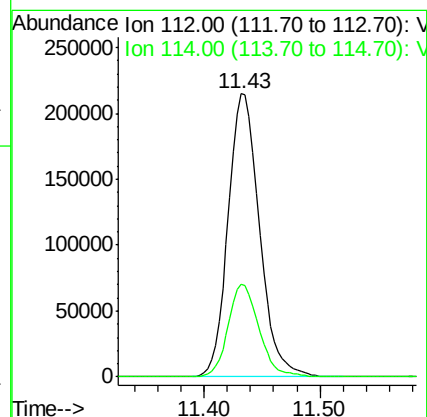
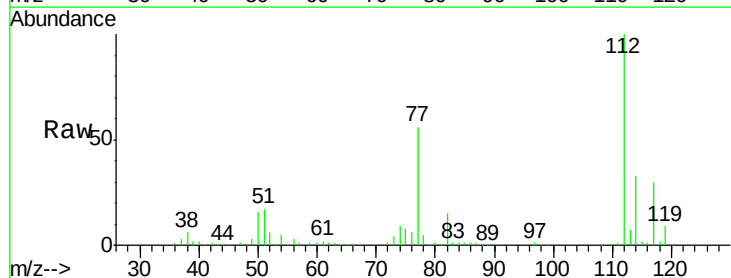
Acq: 8 Feb 2019 10:29

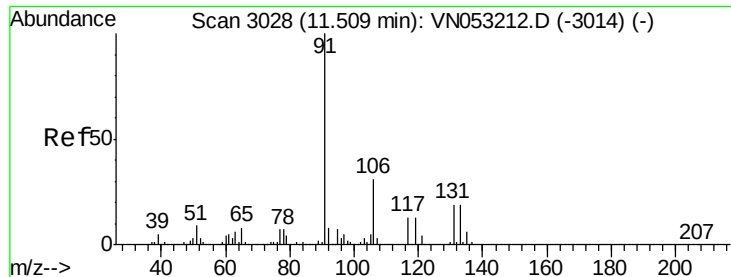
Tgt Ion: 112 Resp: 402264

Ion Ratio Lower Upper

112 100

114 32.8 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 18.368 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

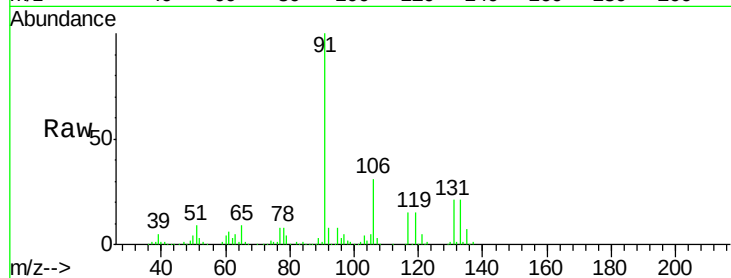
Tot Ion:131 Resp: 144703

Ion Ratio Lower Upper

131 100

133 97.5 0.0 193.4

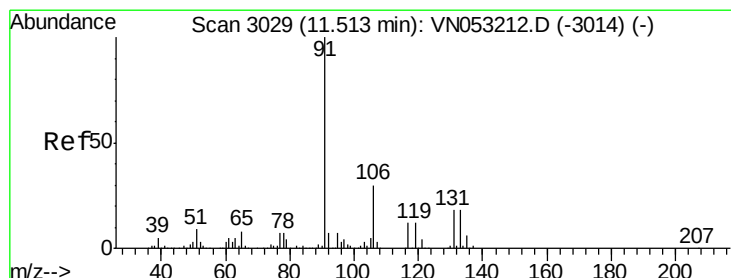
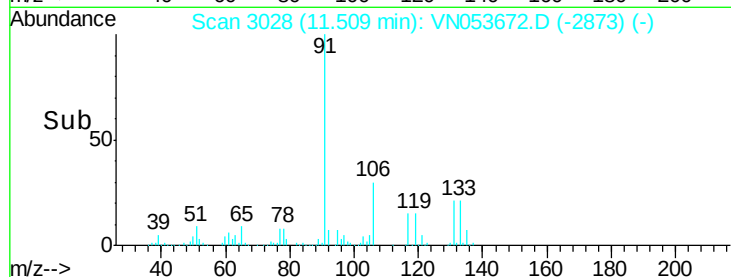
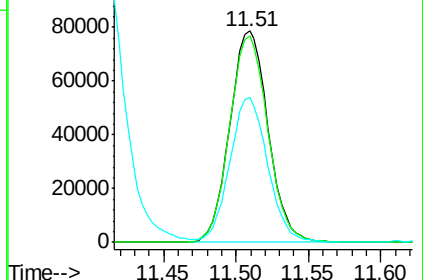
119 68.0 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.151 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN053672.D

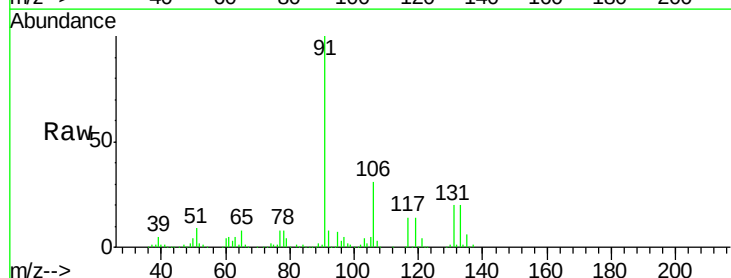
Acq: 8 Feb 2019 10:29

Tgt Ion: 91 Resp: 665641

Ion Ratio Lower Upper

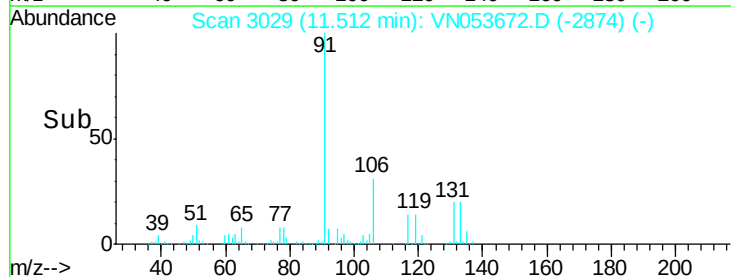
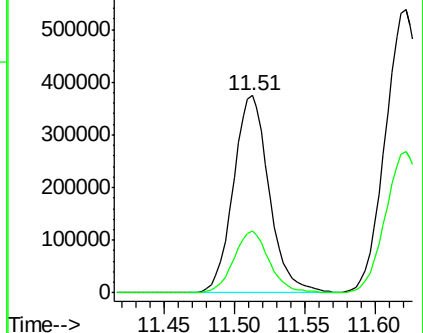
91 100

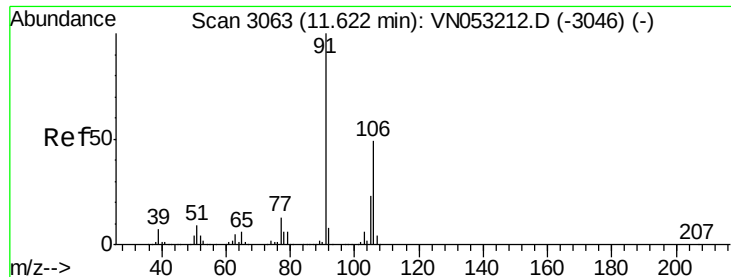
106 31.2 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

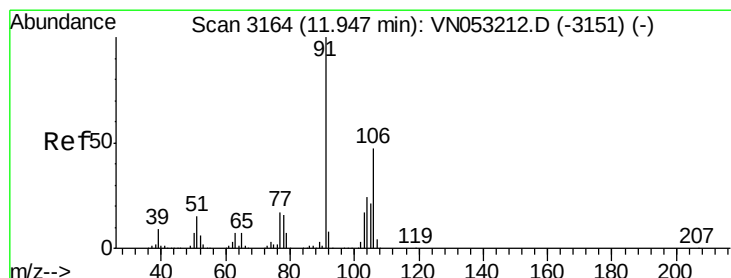
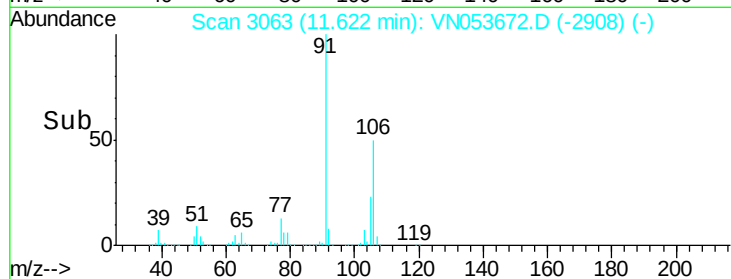
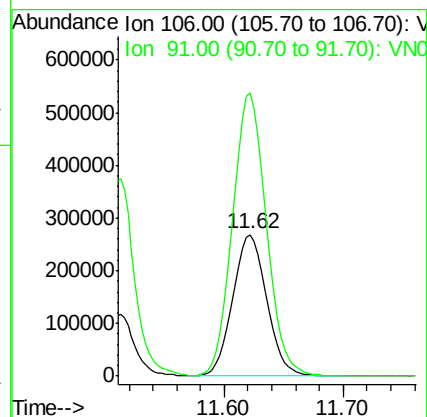
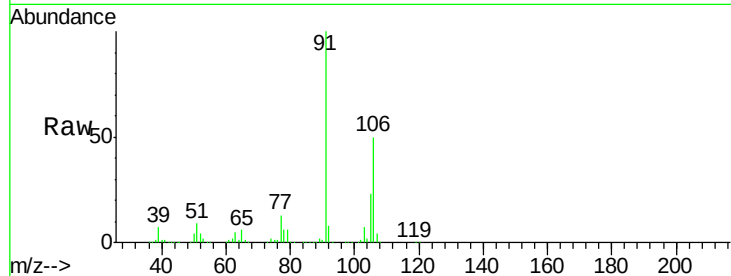




#67
m/p-Xylenes
Concen: 36.279 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

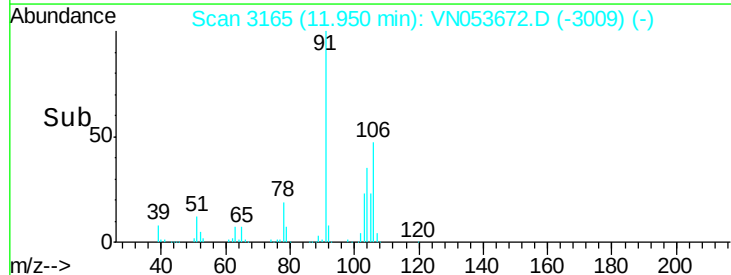
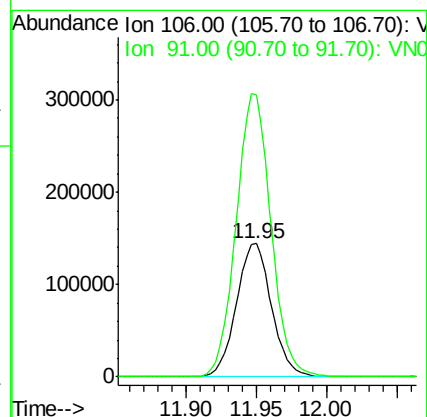
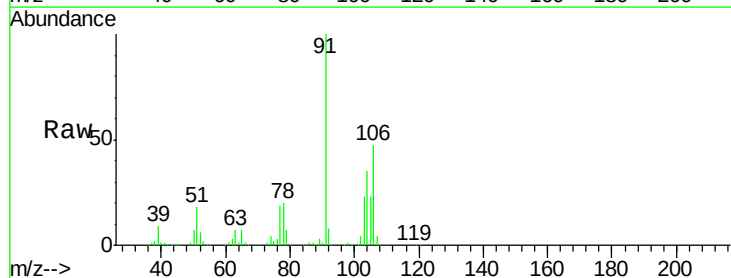
Instrument :
MSVOA_N
ClientSampled :

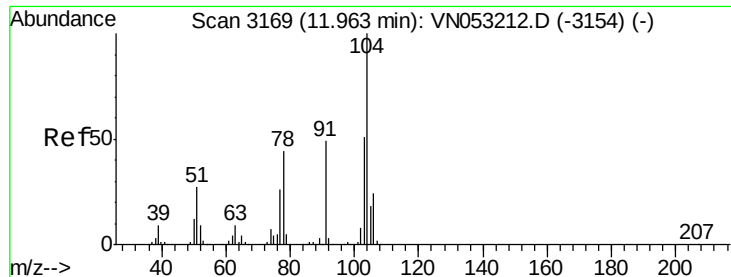
Tot Ion:106 Resp: 532532
Ion Ratio Lower Upper
106 100
91 198.6 163.9 245.9



#68
o-Xylene
Concen: 17.670 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion:106 Resp: 251338
Ion Ratio Lower Upper
106 100
91 211.3 107.8 323.4

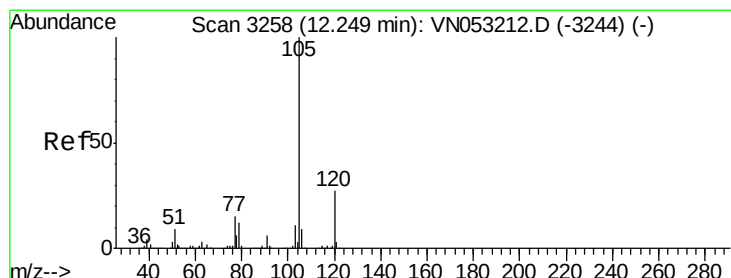
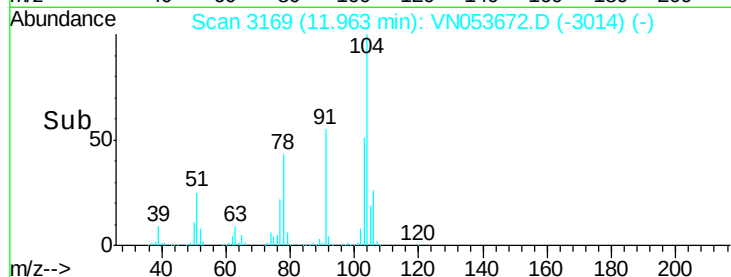
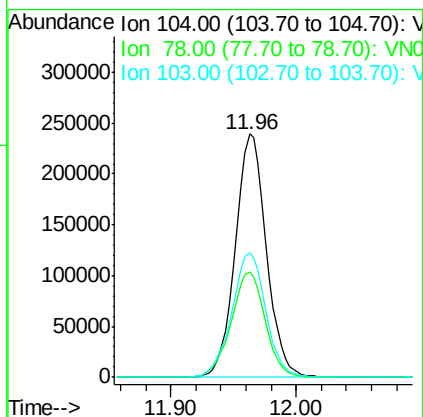
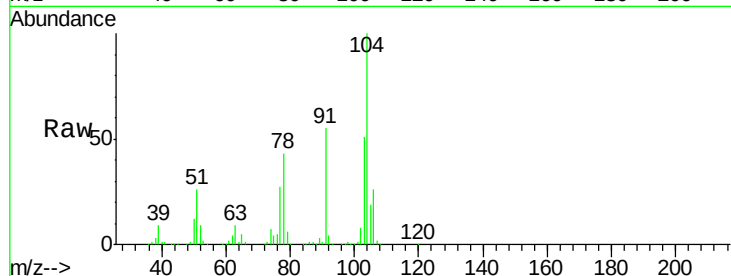




#69
 Stvrene
 Concen: 17.741 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

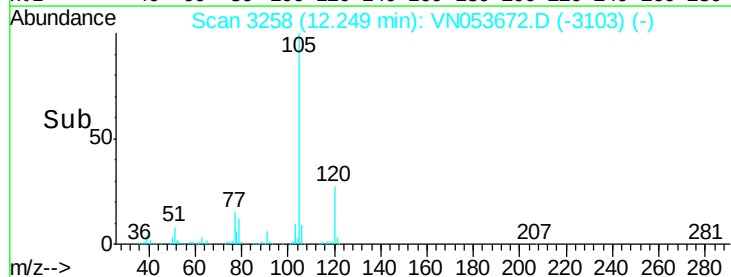
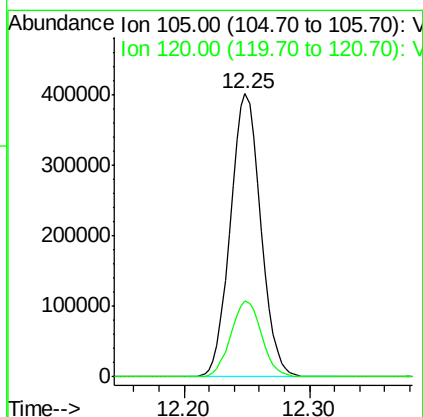
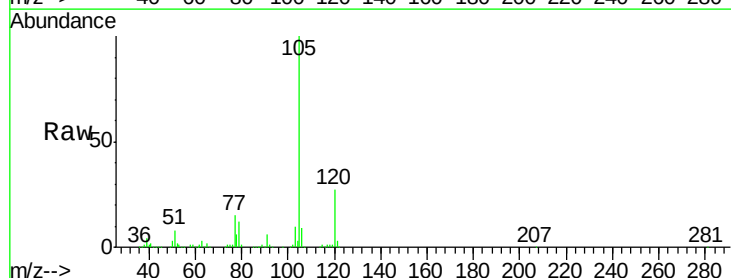
Instrument :
 MSVOA_N
 ClientSampled :

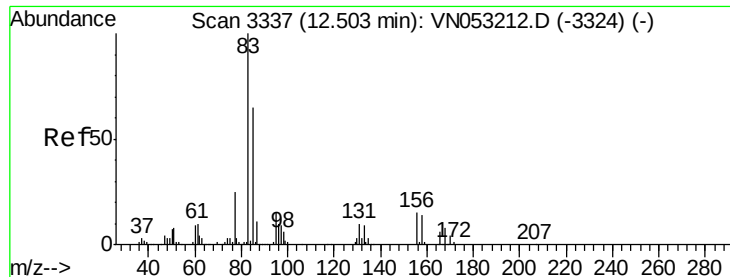
Tot Ion	Ratio	Lower	Upper
104	100		
78	47.6	39.3	58.9
103	56.0	44.6	66.8



#70
 Isopropylbenzene
 Concen: 18.002 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.6	34.6

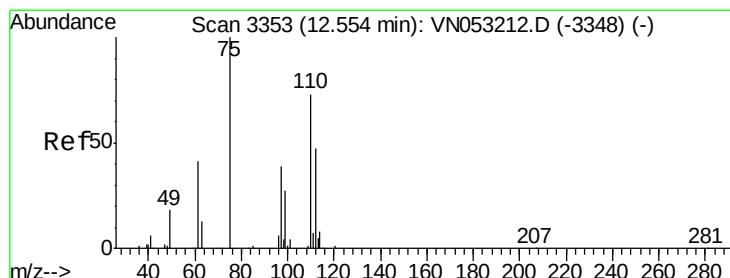
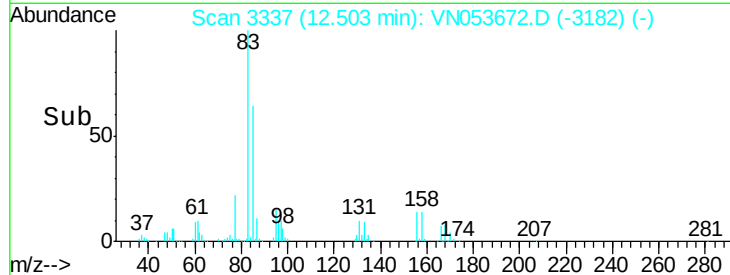
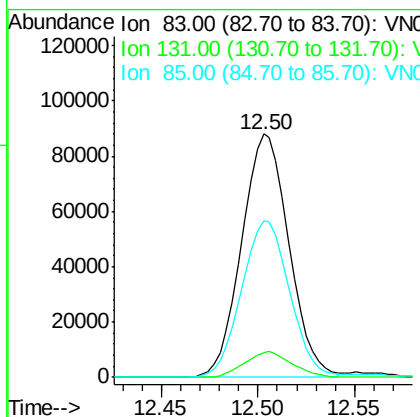
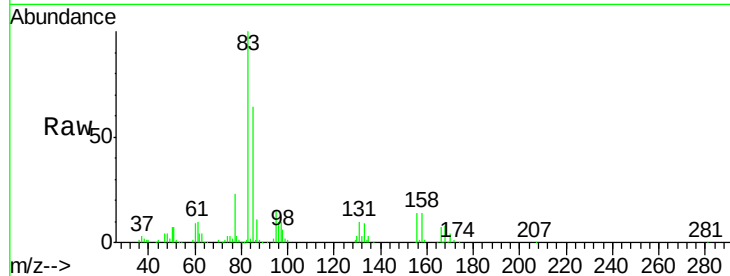




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.013 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

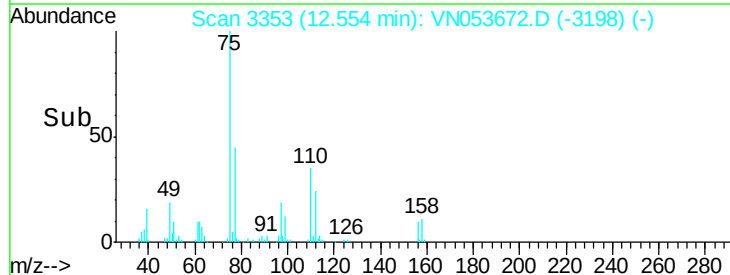
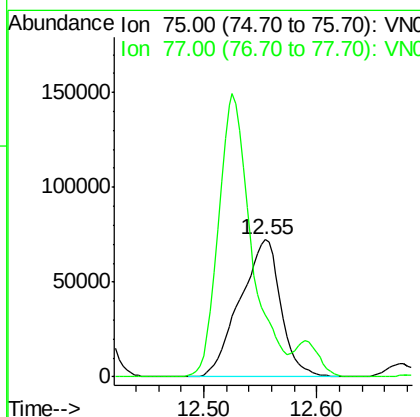
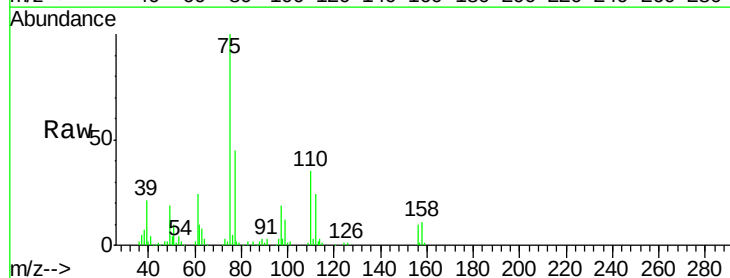
Instrument :
 MSVOA_N
 ClientSampleId :

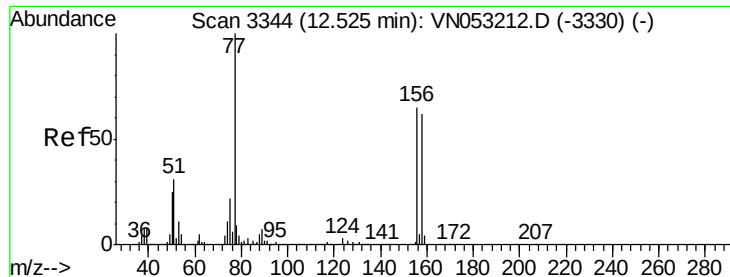
Tot Ion	83	Resp	149784
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.9	14.6
85	65.5	32.2	96.6



#72
 1,2,3-Trichloropropane
 Concen: 26.457 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion	75	Resp	182525
Ion Ratio	Lower	Upper	
75	100		
77	164.8	0.0	514.8





#73

Bromobenzene

Concen: 18.347 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

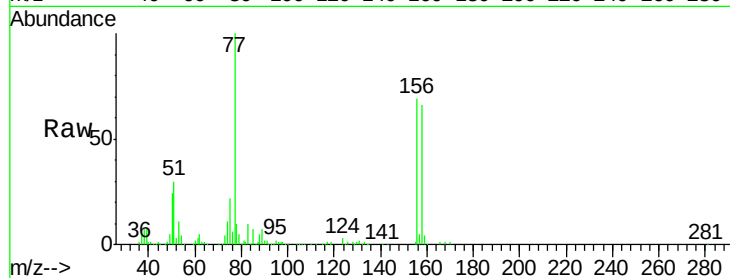
Tot Ion:156 Resp: 176494

Ion Ratio Lower Upper

156 100

77 170.4 0.0 382.6

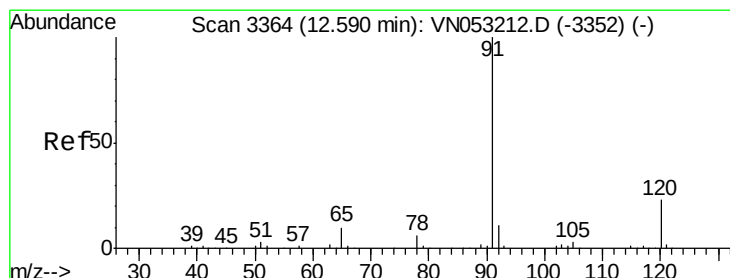
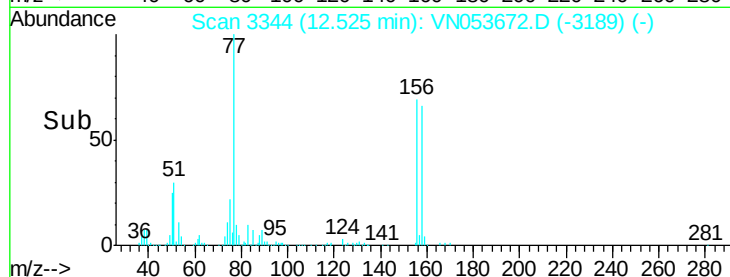
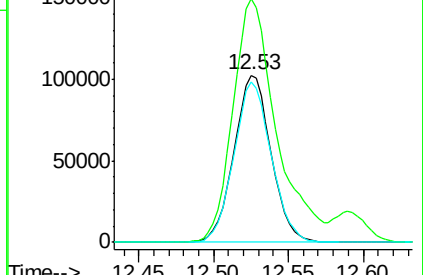
158 96.8 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.552 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053672.D

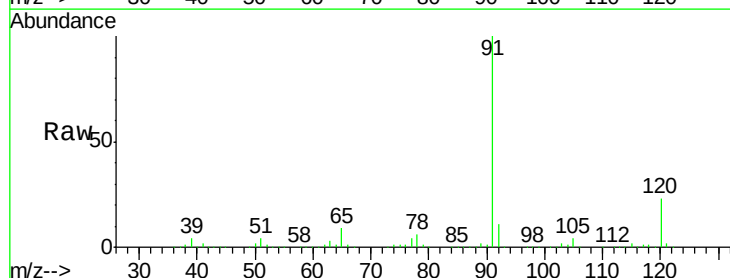
Acq: 8 Feb 2019 10:29

Tgt Ion: 91 Resp: 785951

Ion Ratio Lower Upper

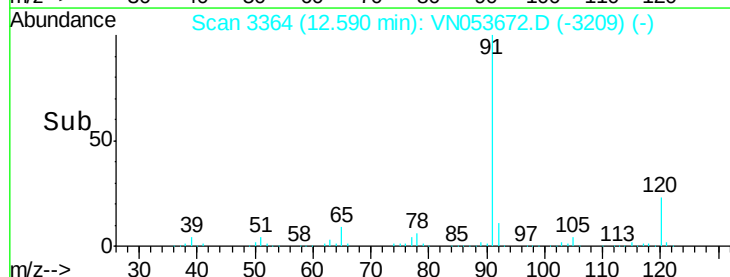
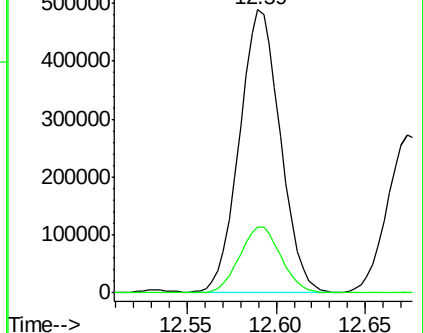
91 100

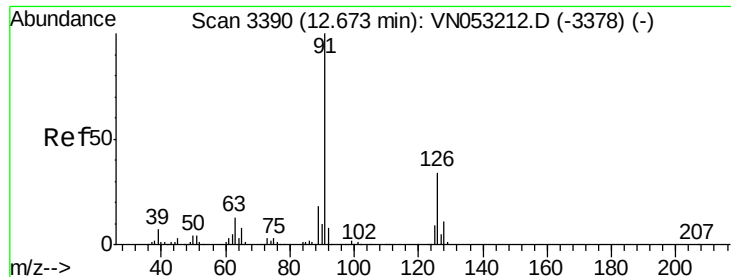
120 23.6 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.421 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

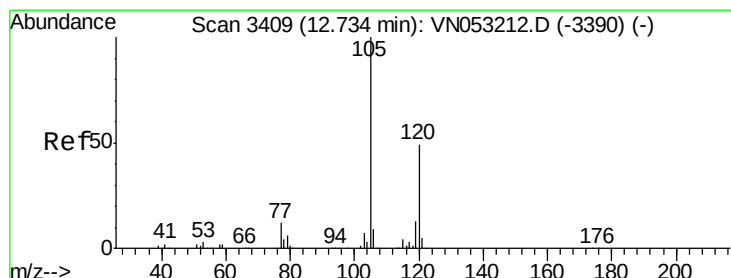
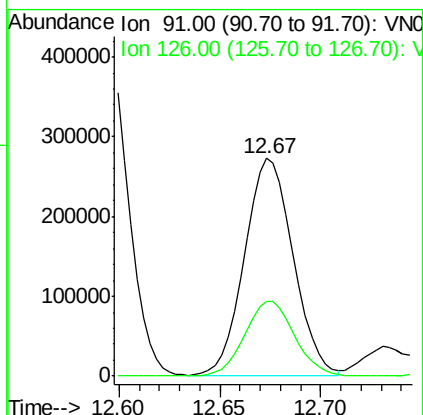
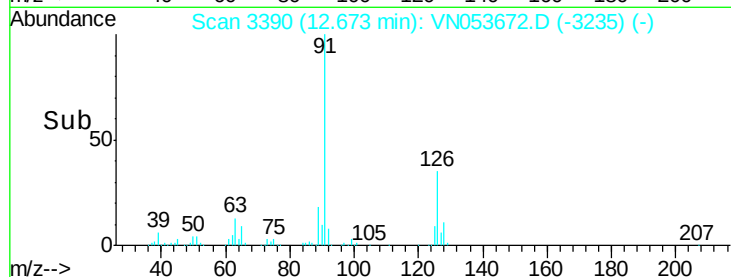
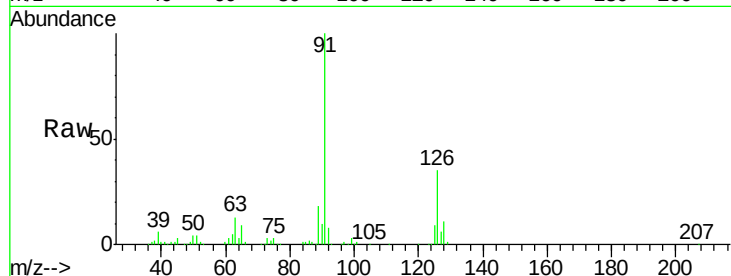
ClientSampled :

Tot Ion: 91 Resp: 462186

Ion Ratio Lower Upper

91 100

126 35.3 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 19.602 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053672.D

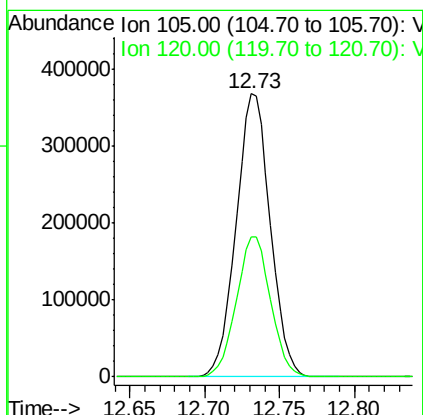
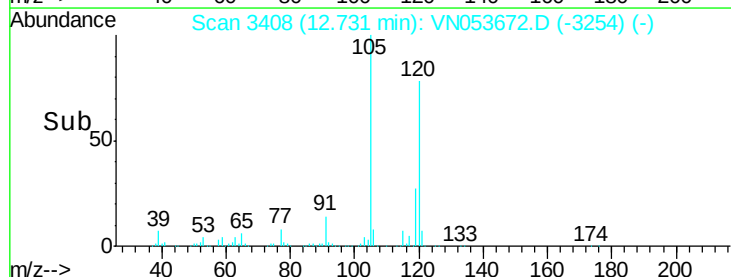
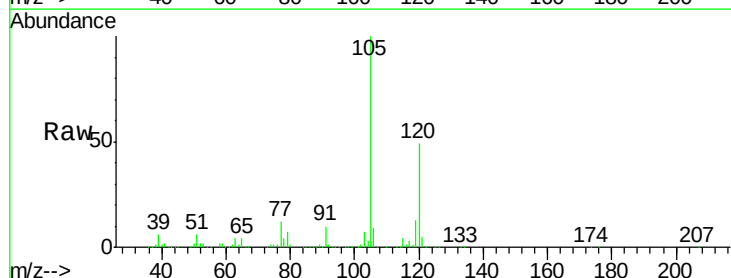
Acq: 8 Feb 2019 10:29

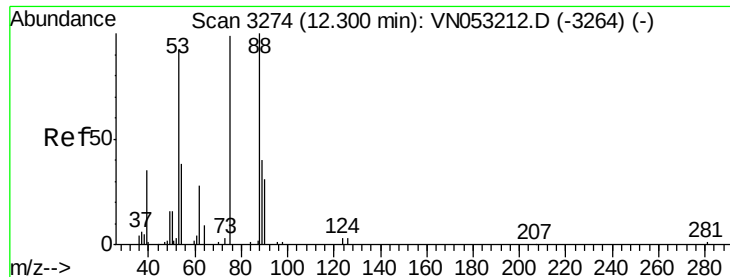
Tgt Ion: 105 Resp: 581939

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 15.810 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampled :

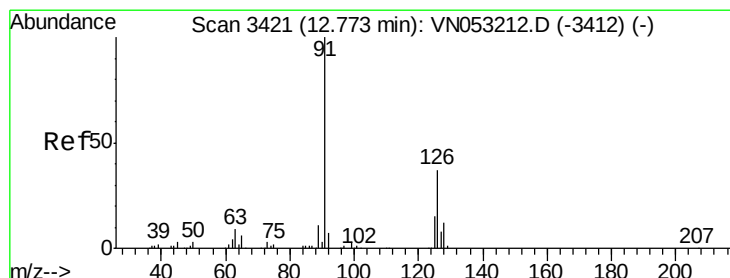
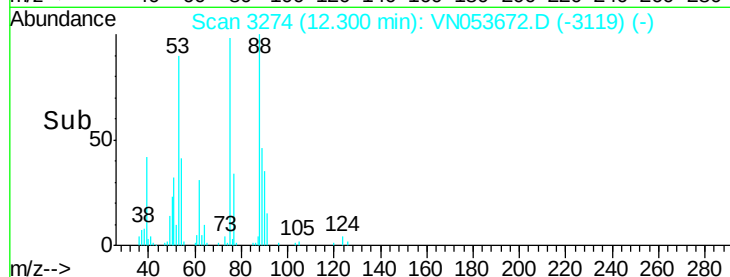
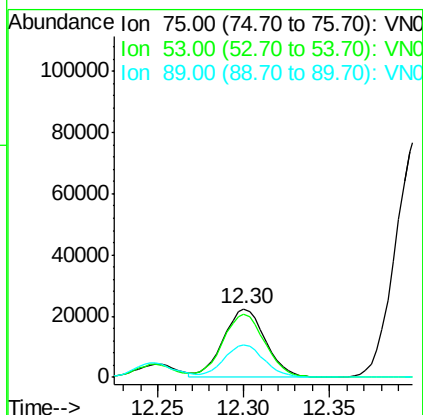
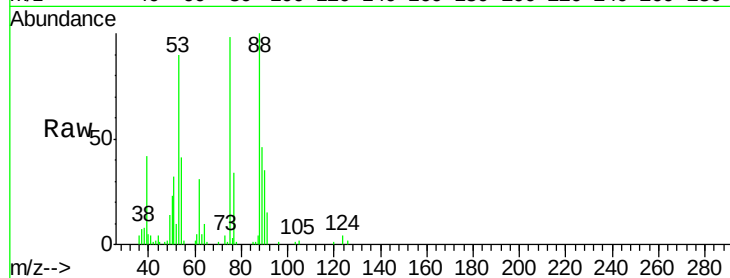
Tot Ion: 75 Resp: 38323

Ion Ratio Lower Upper

75 100

53 92.4 48.5 145.6

89 46.8 21.7 65.1



#78

4-Chlorotoluene

Concen: 18.442 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053672.D

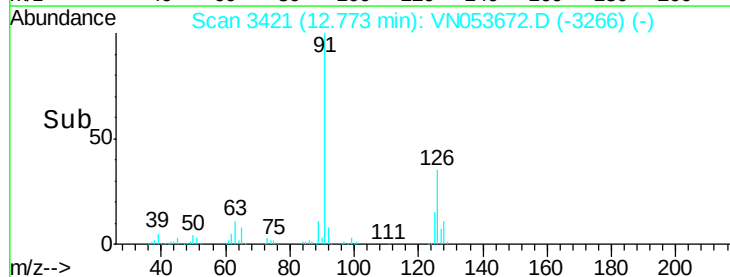
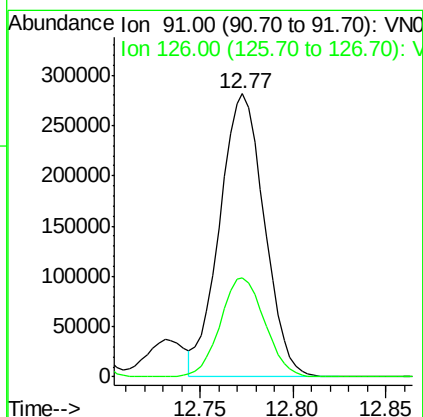
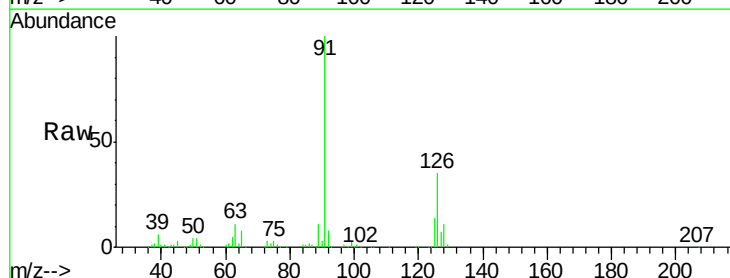
Acq: 8 Feb 2019 10:29

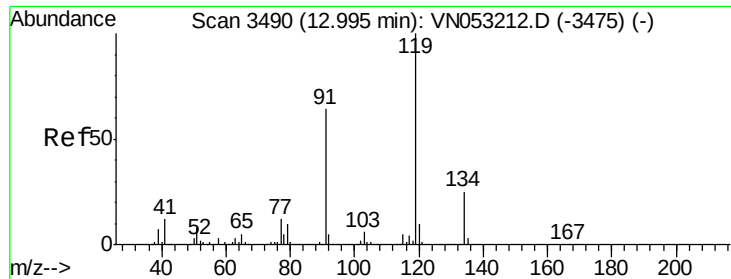
Tgt Ion: 91 Resp: 471005

Ion Ratio Lower Upper

91 100

126 34.8 0.0 68.2

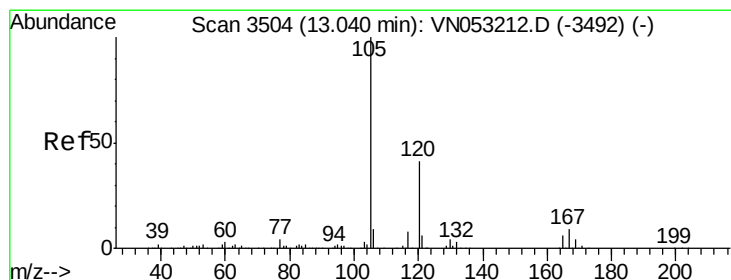
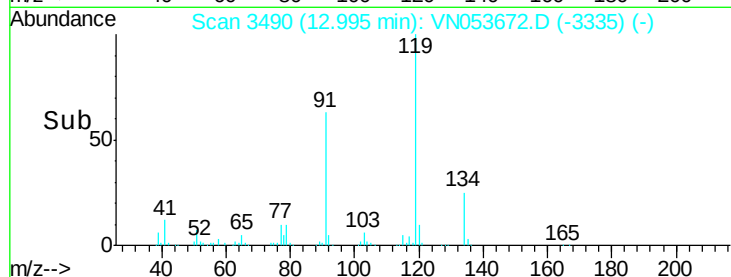
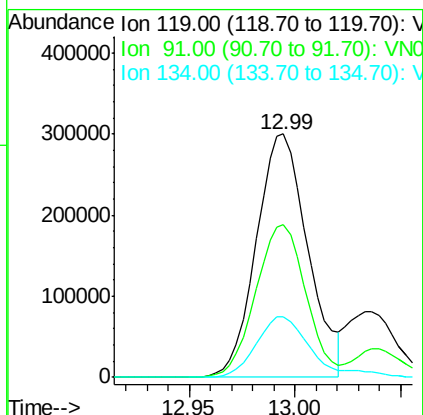
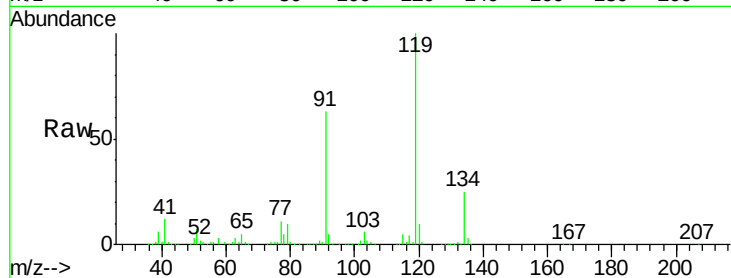




#79
tert-butylbenzene
Concen: 19.719 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

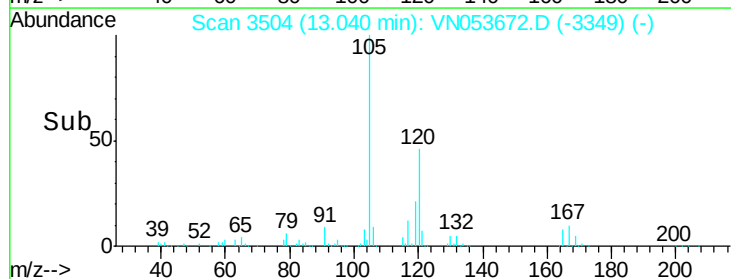
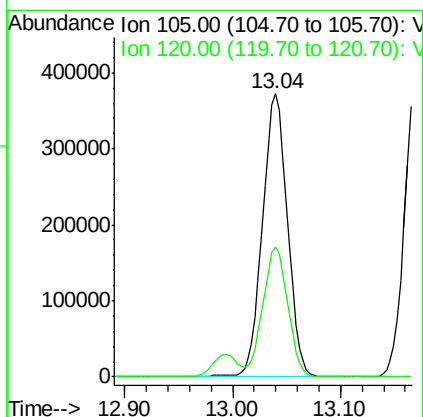
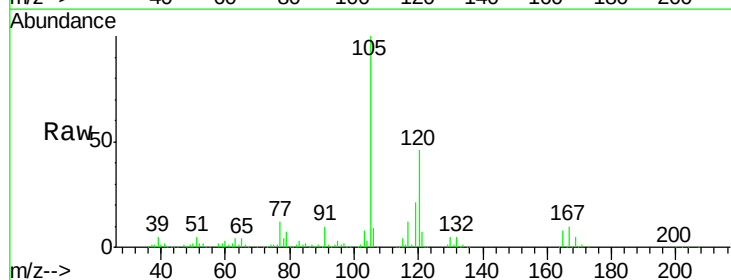
Instrument :
MSVOA_N
ClientSampled :

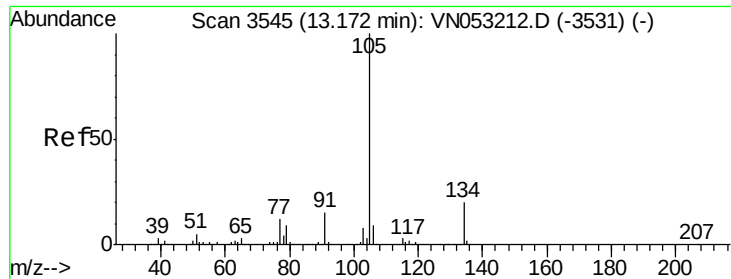
Tot Ion:119 Resp: 510549
Ion Ratio Lower Upper
119 100
91 61.0 0.0 129.8
134 24.8 0.0 52.2



#80
1,2,4-Trimethylbenzene
Concen: 20.089 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053672.D
Acq: 8 Feb 2019 10:29

Tgt Ion:105 Resp: 597733
Ion Ratio Lower Upper
105 100
120 45.9 0.0 91.0





#81

sec-Butylbenzene

Concen: 20.473 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

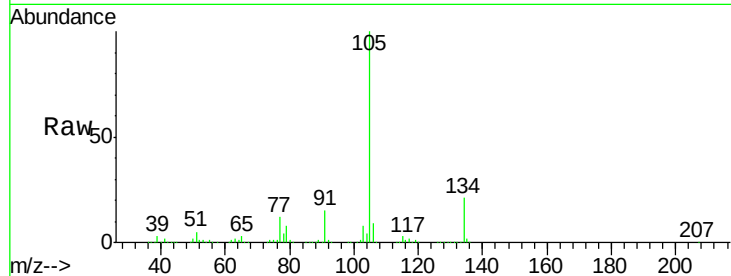
ClientSampleId :

Tot Ion:105 Resp: 701917

Ion Ratio Lower Upper

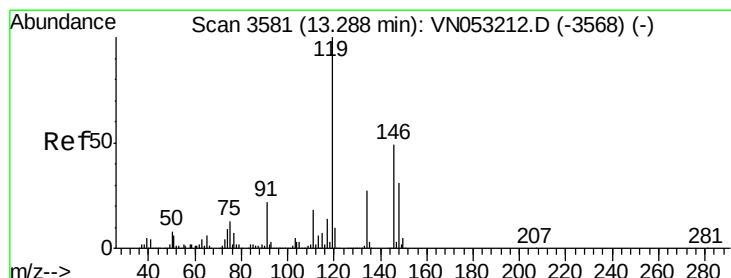
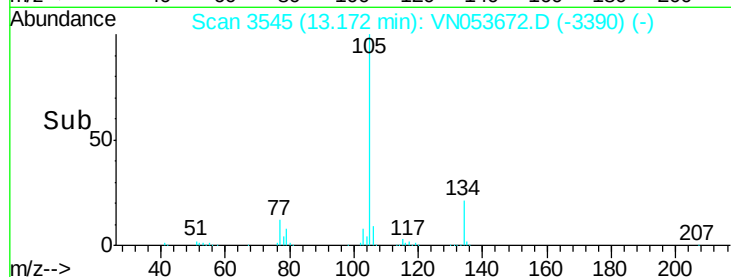
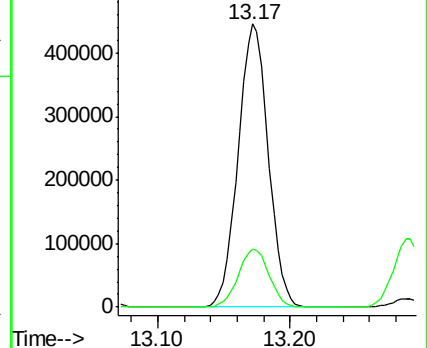
105 100

134 20.9 0.0 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 20.797 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

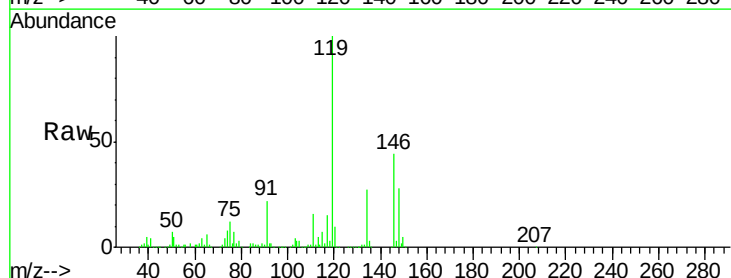
Tgt Ion:119 Resp: 616121

Ion Ratio Lower Upper

119 100

134 27.1 0.0 52.6

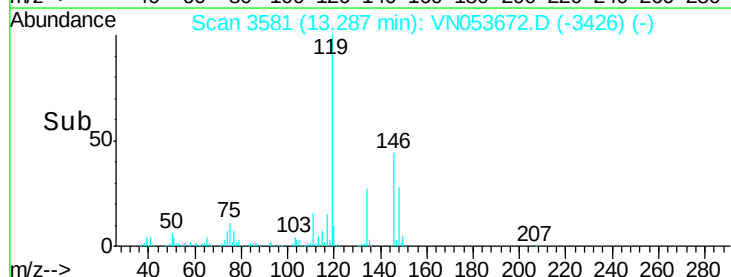
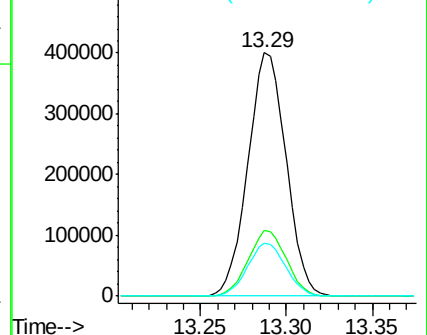
91 21.8 0.0 46.2

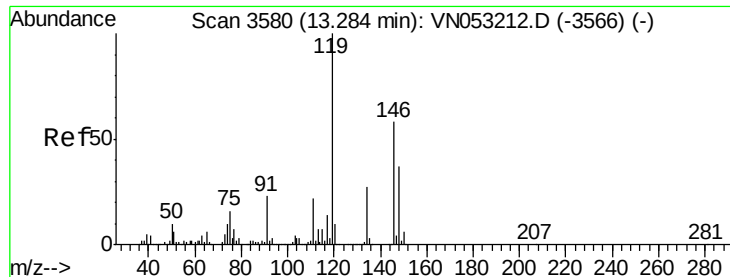


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

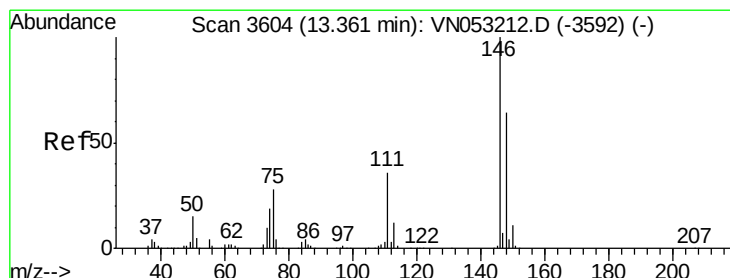
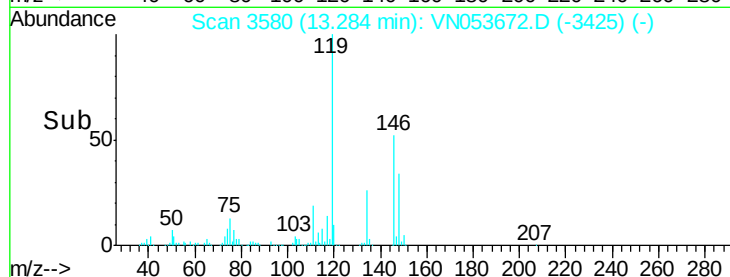
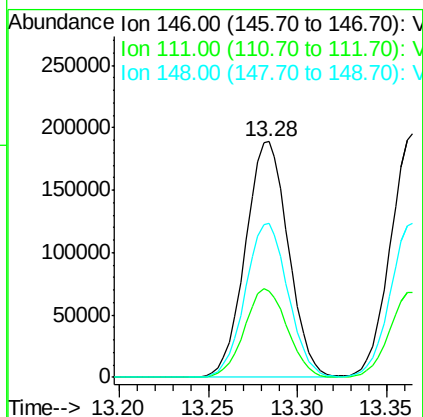
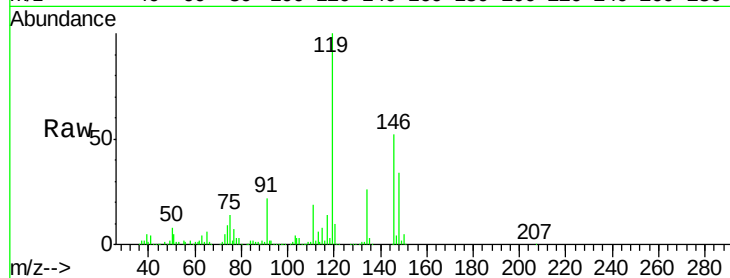




#83
 1,3-Dichlorobenzene
 Concen: 19.464 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

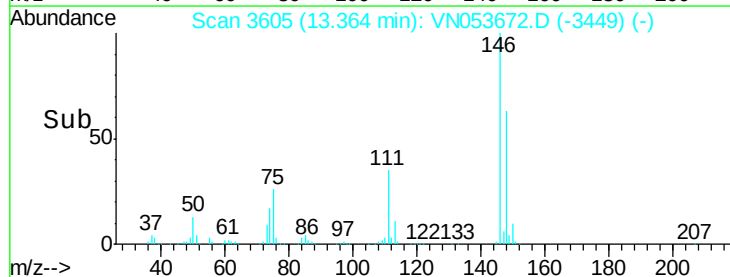
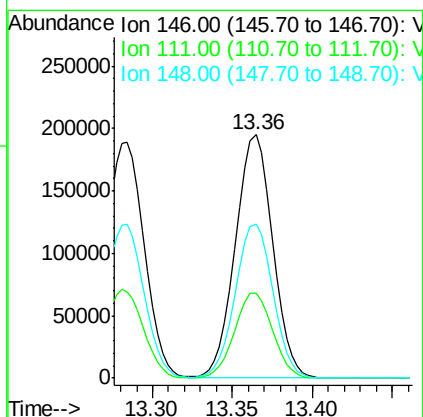
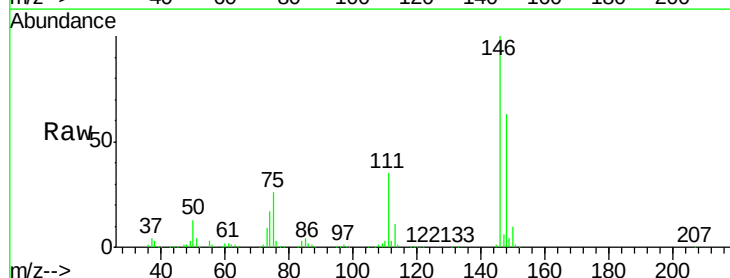
Instrument :
 MSVOA_N
 ClientSampled :

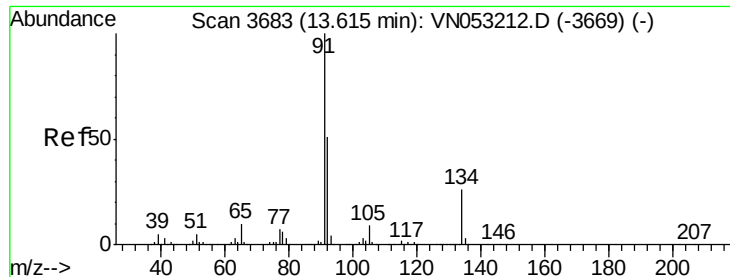
Tot Ion:146 Resp: 318819
 Ion Ratio Lower Upper
 146 100
 111 37.3 19.7 59.0
 148 65.0 32.3 96.8



#84
 1,4-Dichlorobenzene
 Concen: 19.437 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion:146 Resp: 310341
 Ion Ratio Lower Upper
 146 100
 111 35.5 18.8 56.3
 148 64.0 32.5 97.4





#85

n-Butylbenzene

Concen: 21.418 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampled :

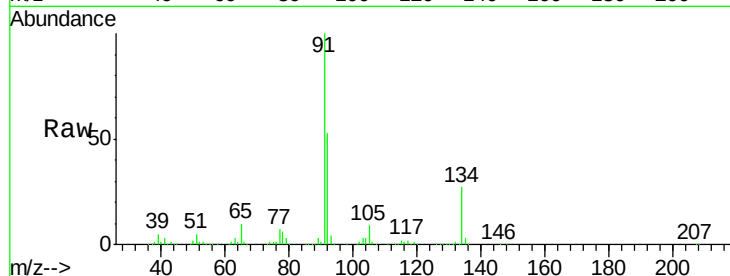
Tot Ion: 91 Resp: 516010

Ion Ratio Lower Upper

91 100

92 51.8 0.0 104.2

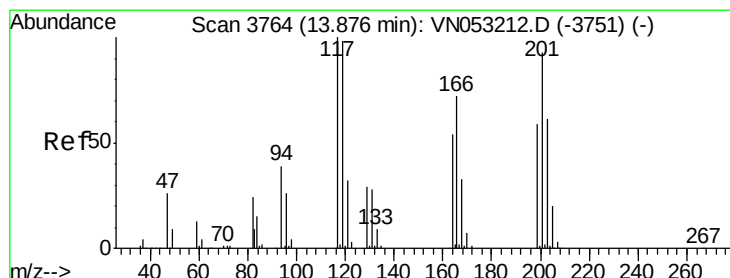
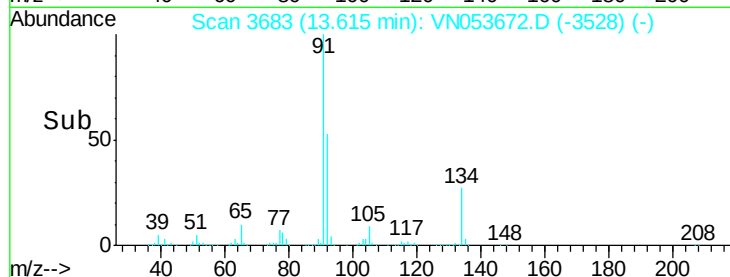
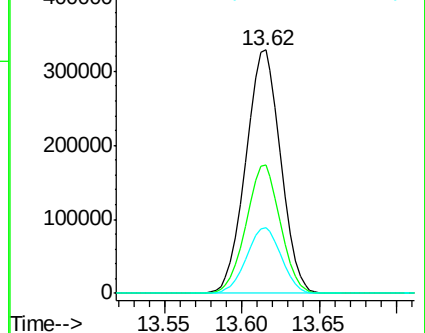
134 27.0 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN053672.D (-3528) (-)

Ion 92.00 (91.70 to 92.70): VN053672.D (-3528) (-)

Ion 134.00 (133.70 to 134.70): VN053672.D (-3528) (-)



#86

Hexachloroethane

Concen: 21.664 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053672.D

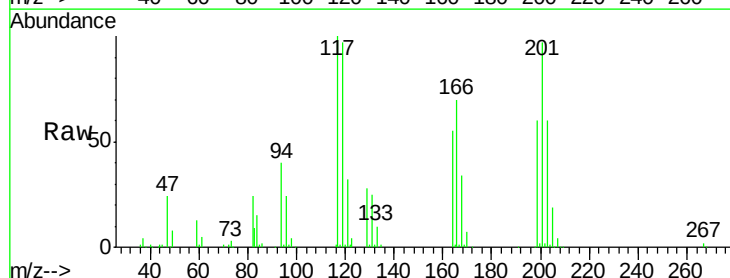
Acq: 8 Feb 2019 10:29

Tgt Ion: 117 Resp: 102470

Ion Ratio Lower Upper

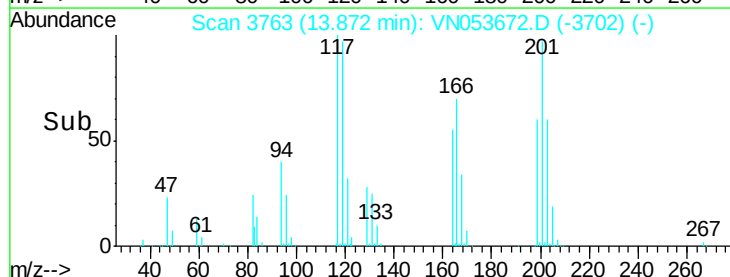
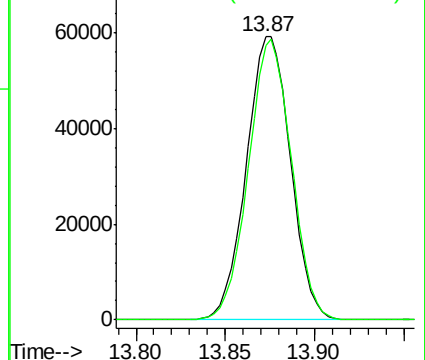
117 100

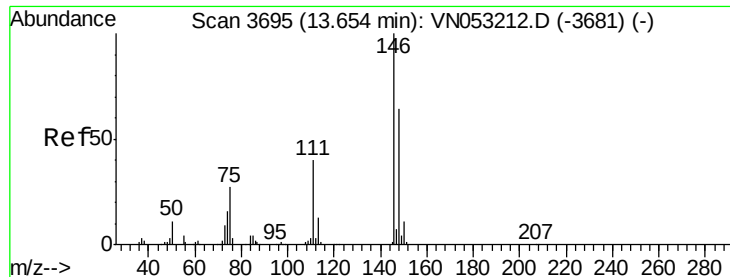
201 96.4 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN053672.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN053672.D (-3702) (-)





#87

1,2-Dichlorobenzene

Concen: 20.434 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

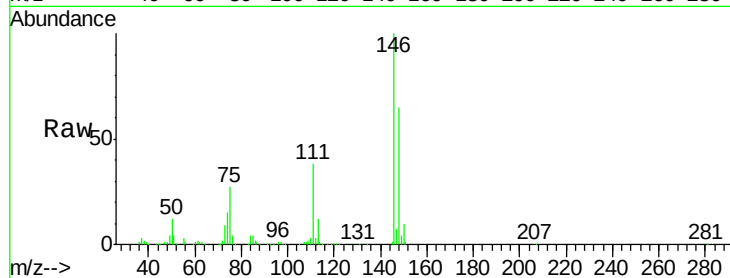
Tot Ion:146 Resp: 311006

Ion Ratio Lower Upper

146 100

111 38.0 20.3 60.8

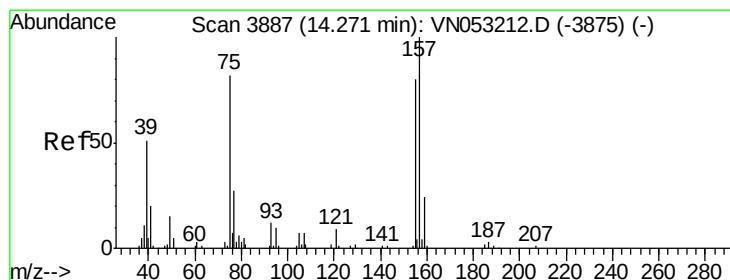
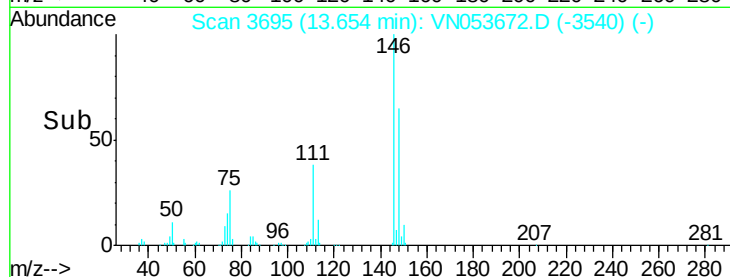
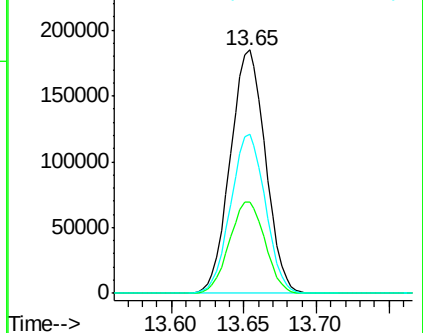
148 64.7 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.113 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

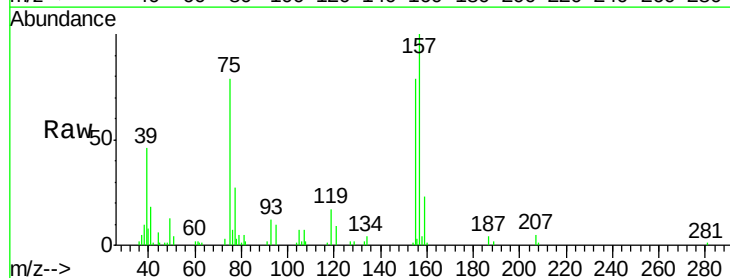
Tgt Ion: 75 Resp: 21534

Ion Ratio Lower Upper

75 100

155 100.9 72.2 108.2

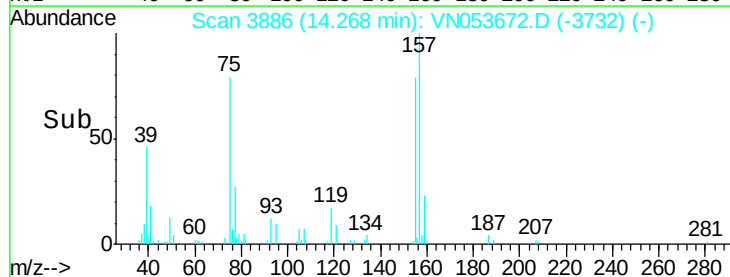
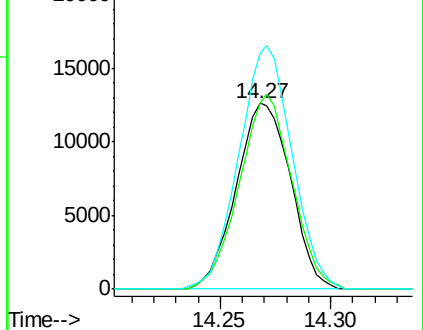
157 128.4 94.2 141.2

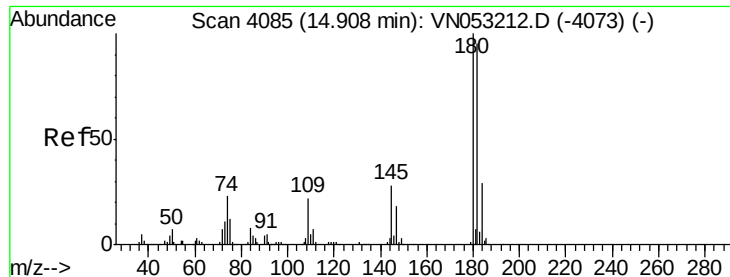


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

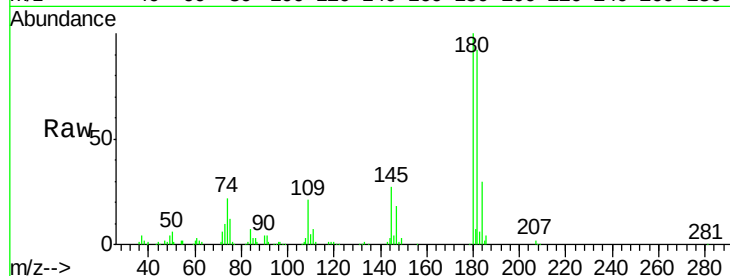




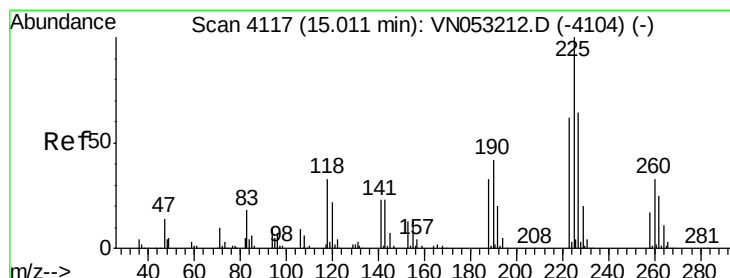
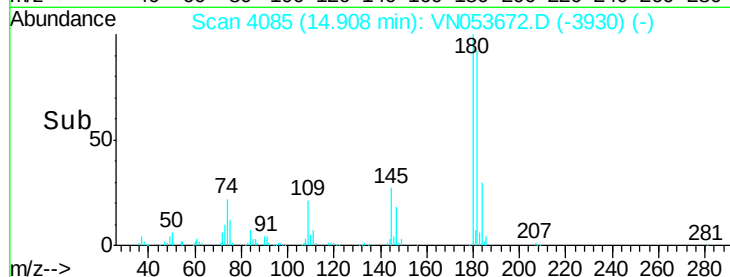
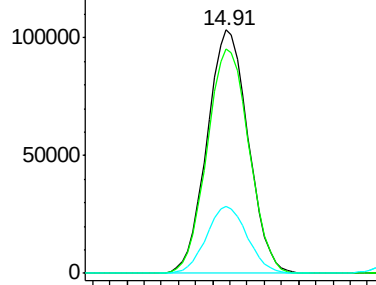
#89
 1,2,4-Trichlorobenzene
 Concen: 23.187 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 171287
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.6 114.8
 145 27.3 23.6 35.4

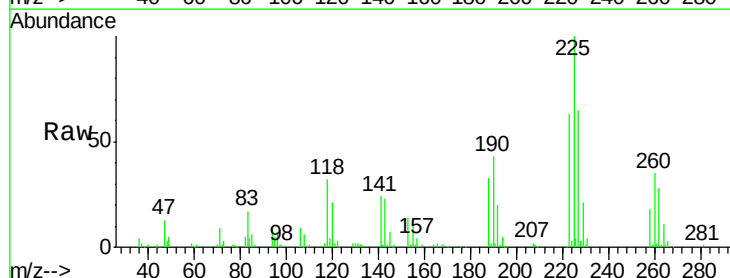


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

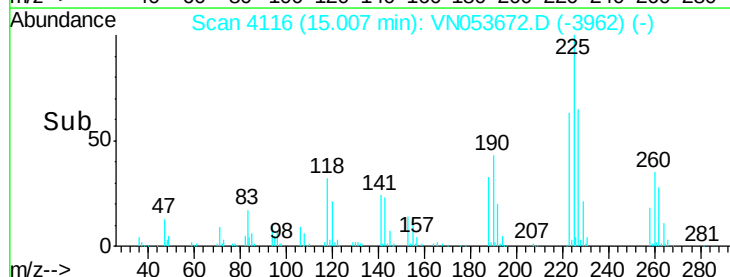
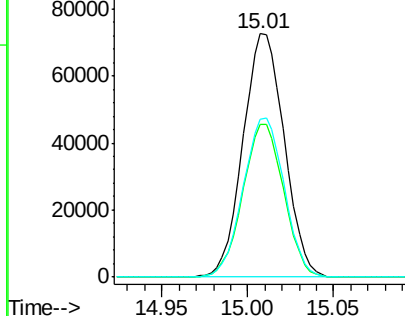


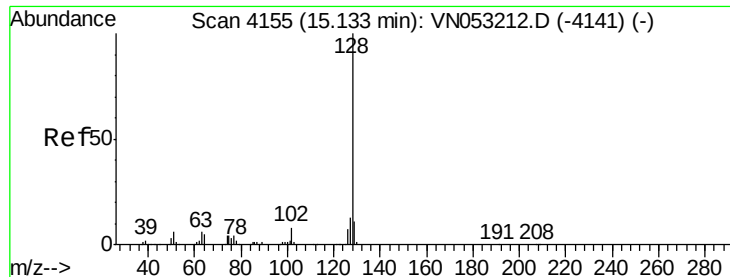
#90
 Hexachlorobutadiene
 Concen: 27.070 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053672.D
 Acq: 8 Feb 2019 10:29

Tgt Ion:225 Resp: 121041
 Ion Ratio Lower Upper
 225 100
 223 61.9 0.0 125.6
 227 64.9 0.0 127.8



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.983 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

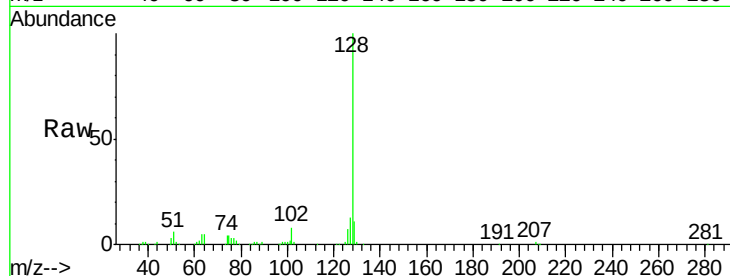
Tot Ion:128 Resp: 313206

Ion Ratio Lower Upper

128 100

127 13.1 9.9 14.9

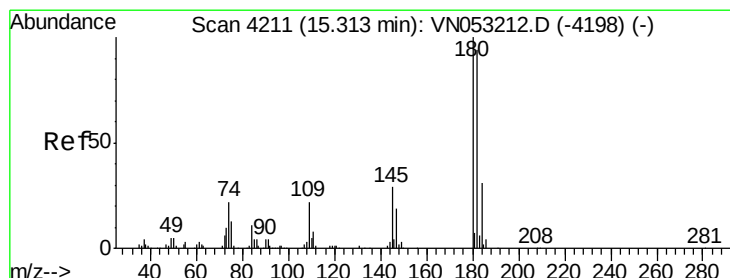
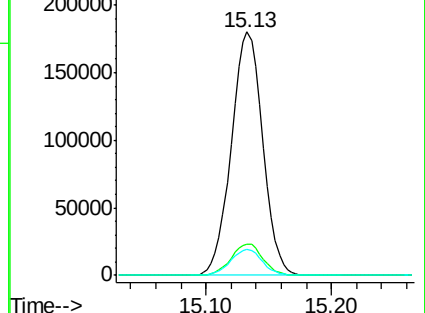
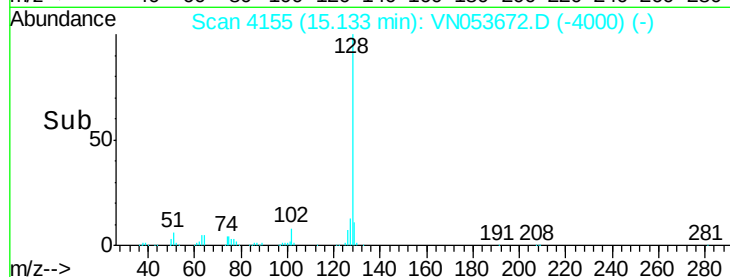
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 24.415 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN053672.D

Acq: 8 Feb 2019 10:29

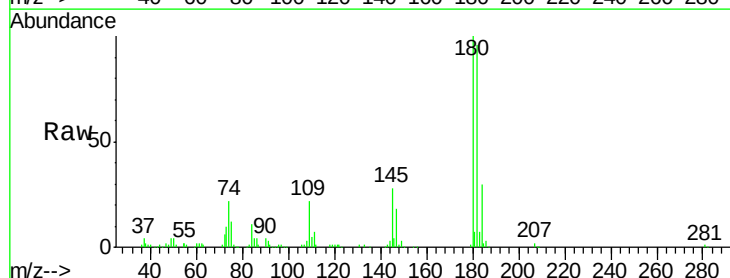
Tgt Ion:180 Resp: 160910

Ion Ratio Lower Upper

180 100

182 94.7 0.0 196.2

145 29.0 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

