

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053694.D
 Acq On : 11 Feb 2019 9:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 11 22:02:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	763683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1107146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	987103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494401	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	337114	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
35) Dibromofluoromethane	7.59	113	328278	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	10.09	98	1227009	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.40	95	417980	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	407485	47.347	ug/l	100
3) Chloromethane	2.06	50	425784	46.963	ug/l	98
4) Vinyl Chloride	2.19	62	431209	48.995	ug/l	100
5) Bromomethane	2.57	94	300340	52.191	ug/l	100
6) Chloroethane	2.71	64	274407	54.560	ug/l	100
7) Trichlorofluoromethane	3.02	101	596305	49.963	ug/l	100
8) Diethyl Ether	3.41	74	210200	48.225	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	375647	50.892	ug/l	98
10) Methyl Iodide	3.95	142	551513	47.604	ug/l	100
11) Tert butyl alcohol	4.78	59	106836	235.628	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	348810	49.323	ug/l	99
13) Acrolein	3.61	56	39019	158.060	ug/l	99
14) Allyl chloride	4.32	41	560321	49.762	ug/l	99
15) Acrylonitrile	4.98	53	615565	251.484	ug/l	98
16) Acetone	3.81	43	635063	323.167	ug/l	99
17) Carbon Disulfide	4.06	76	1005823	45.677	ug/l	99
18) Methyl Acetate	4.32	43	297409	51.103	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	910493	50.787	ug/l	100
20) Methylene Chloride	4.55	84	397706	48.239	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	371256	48.660	ug/l	97
22) Diisopropyl ether	5.95	45	1085024	52.005	ug/l	100
23) Vinyl Acetate	5.89	43	3592135	248.879	ug/l	99
24) 1,1-Dichloroethane	5.85	63	691833	49.715	ug/l	100
25) 2-Butanone	6.83	43	740679	264.274	ug/l	99
26) 2,2-Dichloropropane	6.82	77	536917	50.543	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425103	50.107	ug/l	99
28) Bromochloromethane	7.19	49	308824	51.139	ug/l	97
29) Tetrahydrofuran	7.21	42	439975	244.472	ug/l	98
30) Chloroform	7.37	83	680700	49.345	ug/l	99
31) Cyclohexane	7.65	56	623240	48.097	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	574224	50.019	ug/l	100
36) 1,1-Dichloropropene	7.79	75	534198	53.526	ug/l	99
37) Ethyl Acetate	6.92	43	288942	51.837	ug/l	98
38) Carbon Tetrachloride	7.77	117	523981	52.117	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	639893	54.043	ug/l	98
40) Benzene	8.04	78	1586480	51.549	ug/l	100
41) Methacrylonitrile	7.18	41	169710	54.476	ug/l	95
42) 1,2-Dichloroethane	8.12	62	469240	51.349	ug/l	100
43) Isopropyl Acetate	8.16	43	514750	47.819	ug/l	99
44) Trichloroethene	8.83	130	451356	51.513	ug/l	98
45) 1,2-Dichloropropane	9.12	63	415819	52.824	ug/l	99
46) Dibromomethane	9.21	93	240710	50.726	ug/l	98
47) Bromodichloromethane	9.40	83	525140	53.226	ug/l	99
48) Methyl methacrylate	9.20	41	245650	47.807	ug/l	92
49) 1,4-Dioxane	9.20	88	74199	996.692	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1389767	262.729	ug/l	99
52) Toluene	10.16	92	962353	52.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	521544	52.790	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622449	53.168	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	348423	52.937	ug/l	99
56) Ethyl methacrylate	10.43	69	405211	52.041	ug/l	99
57) 1,3-Dichloropropane	10.71	76	584099	51.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	422907	92.781	ug/l	99
59) 2-Hexanone	10.75	43	953751	265.591	ug/l	99
60) Dibromochloromethane	10.90	129	402333	54.207	ug/l	100
61) 1,2-Dibromoethane	11.00	107	327921	50.337	ug/l	100
64) Tetrachloroethene	10.63	164	432708	51.138	ug/l	98
65) Chlorobenzene	11.43	112	1071206	51.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	388997	53.123	ug/l	99
67) Ethyl Benzene	11.51	91	1798742	52.224	ug/l	100
68) m/p-Xylenes	11.62	106	1404052	106.809	ug/l	99
69) o-Xylene	11.95	106	673746	53.052	ug/l	99
70) Styrene	11.96	104	1120084	54.415	ug/l	99
71) Bromoform	12.13	173	274327	54.645	ug/l #	99
73) Isopropylbenzene	12.25	105	1766790	50.834	ug/l	100
74) N-amyl acetate	12.07	43	409243	48.967	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	385324	46.324	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	492730	77.592	ug/l #	100
77) Bromobenzene	12.53	156	463997	49.536	ug/l	99
78) n-propylbenzene	12.59	91	2093137	52.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	1221939	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1549942	53.778	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113567	50.288	ug/l	100
82) 4-Chlorotoluene	12.77	91	1252463	51.205	ug/l	99
83) tert-Butylbenzene	12.99	119	1307068	51.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1569875	53.464	ug/l	99
85) sec-Butylbenzene	13.17	105	1841633	53.129	ug/l	99
86) p-Isopropyltoluene	13.29	119	1650698	54.449	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	853825	50.707	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	840926	50.487	ug/l	99
89) n-Butylbenzene	13.62	91	1451625	55.320	ug/l	100
90) Hexachloroethane	13.88	117	270735	54.141	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	816602	50.657	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59009	49.778	ug/l	99

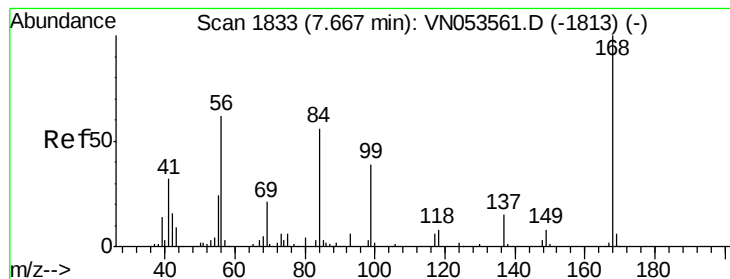
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	500452	54.129	ug/l	99
94) Hexachlorobutadiene	15.01	225	319752	55.535	ug/l	100
95) Naphthalene	15.13	128	968308	44.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	454607	52.993	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

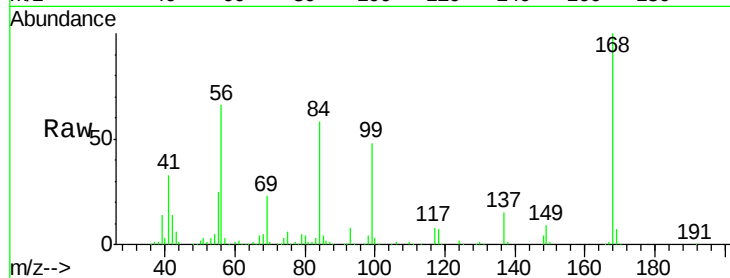
VSTDCCC050

Tot Ion:168 Resp: 763683

Ion Ratio Lower Upper

168 100

99 47.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

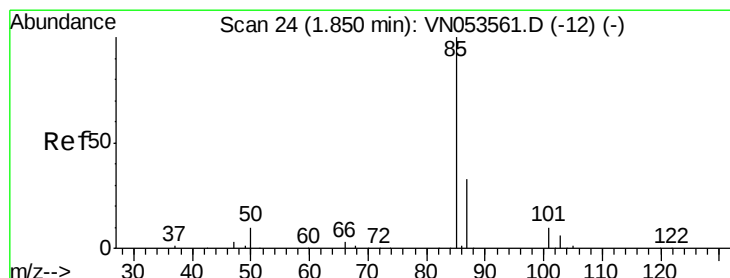
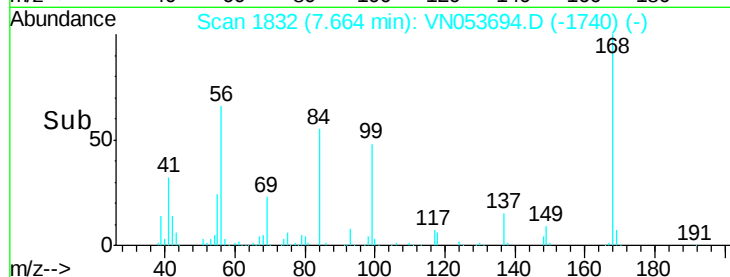
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.347 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053694.D

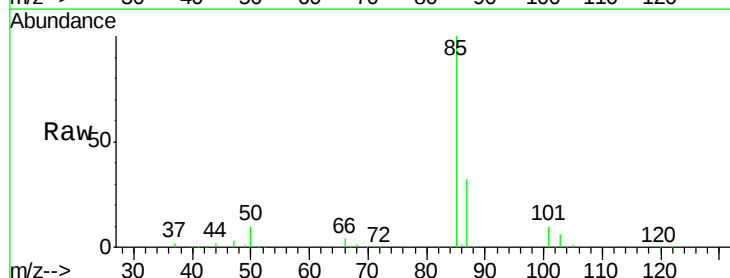
Acq: 11 Feb 2019 9:57

Tgt Ion: 85 Resp: 407485

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

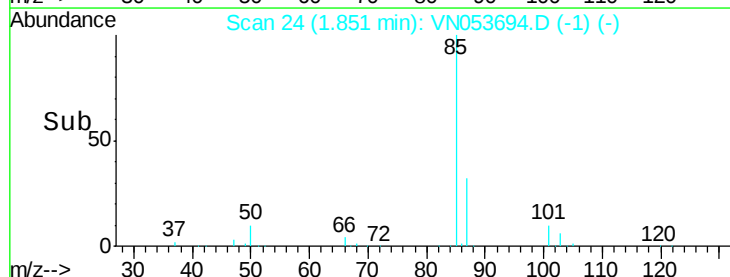
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Time-->

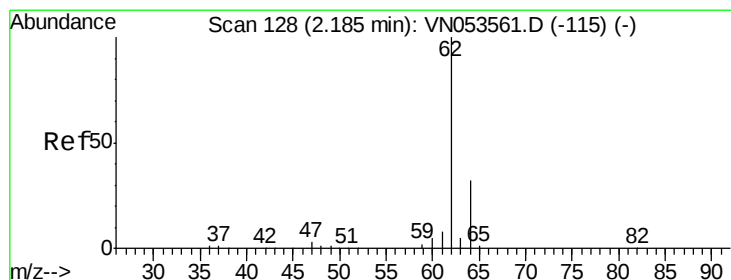
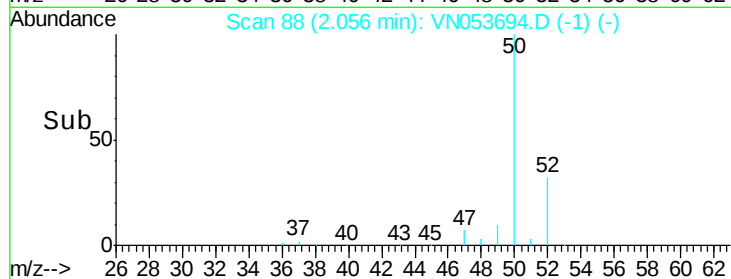
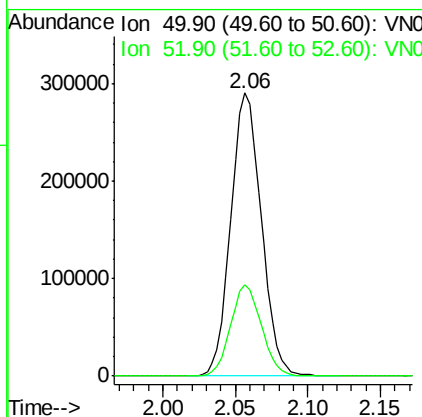
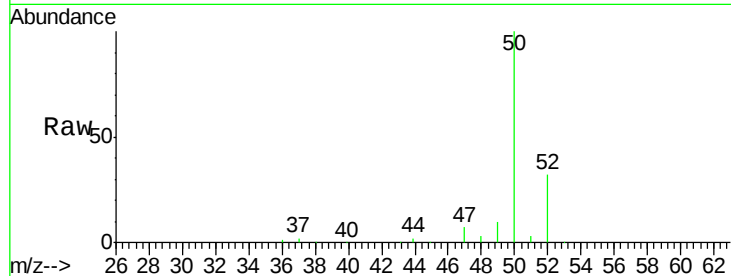




#3
 Chloromethane
 Concen: 46.963 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

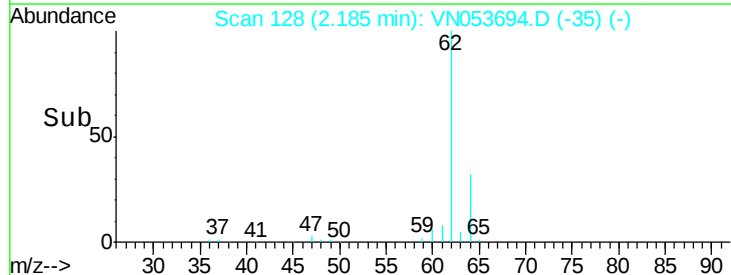
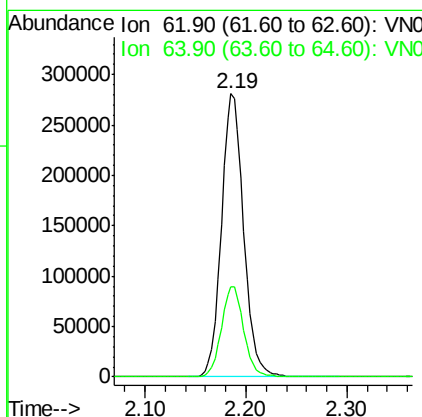
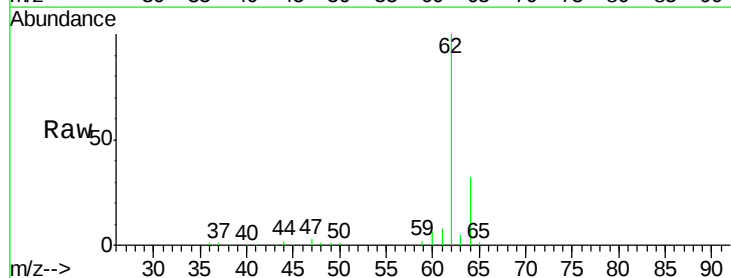
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

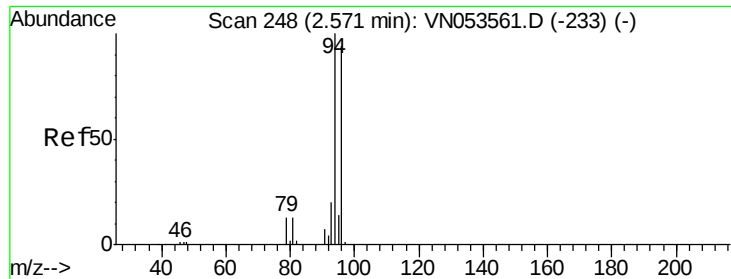
Tot Ion: 50 Resp: 425784
 Ion Ratio Lower Upper
 50 100
 52 32.1 26.6 40.0



#4
 Vinyl Chloride
 Concen: 48.995 ug/l
 RT: 2.19 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 62 Resp: 431209
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.4 38.2





#5

Bromomethane

Concen: 52.191 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

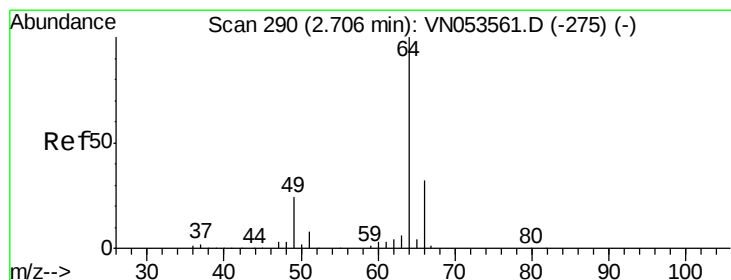
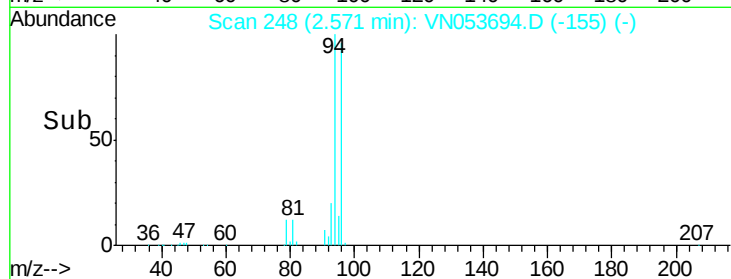
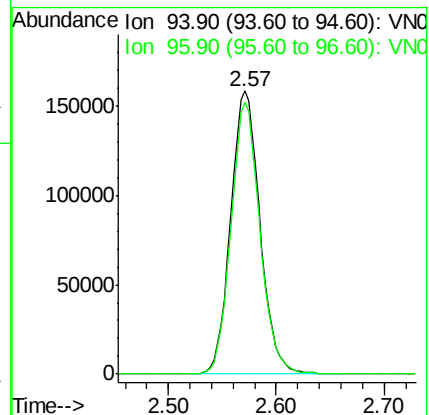
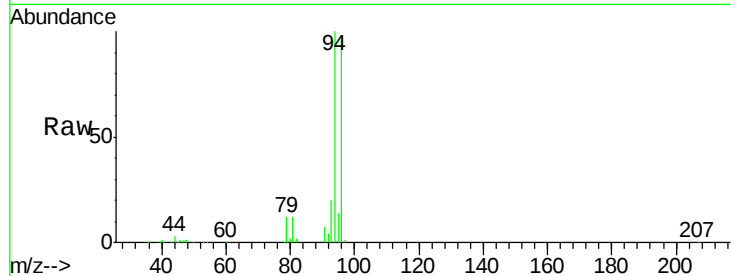
VSTDCCC050

Tot Ion: 94 Resp: 300340

Ion Ratio Lower Upper

94 100

96 96.1 76.8 115.2



#6

Chloroethane

Concen: 54.560 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053694.D

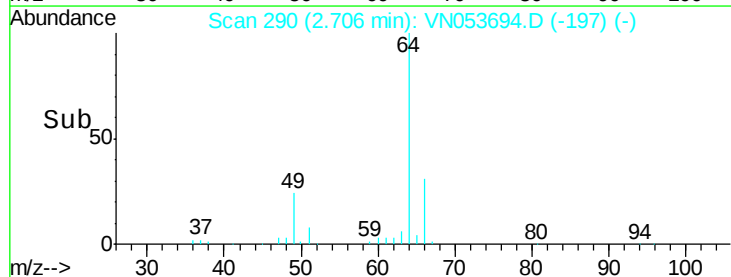
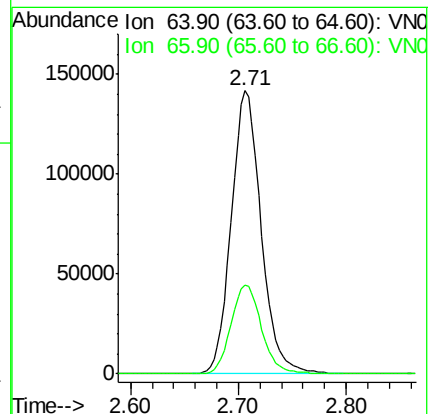
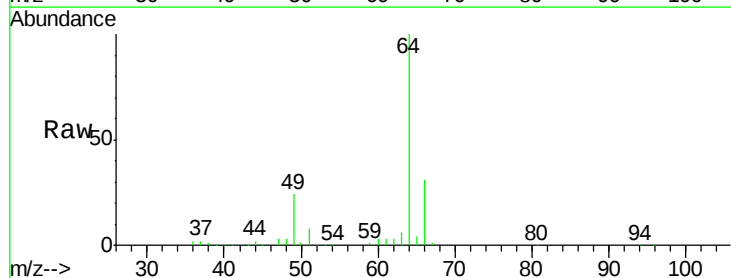
Acq: 11 Feb 2019 9:57

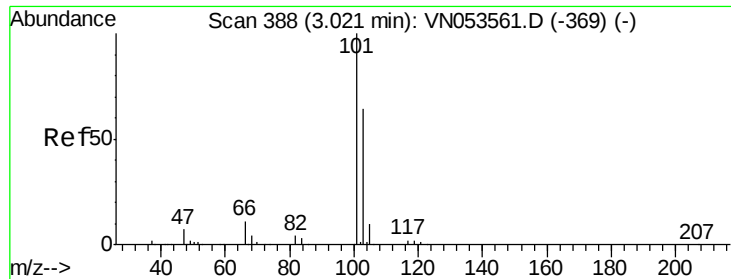
Tgt Ion: 64 Resp: 274407

Ion Ratio Lower Upper

64 100

66 31.5 25.1 37.7



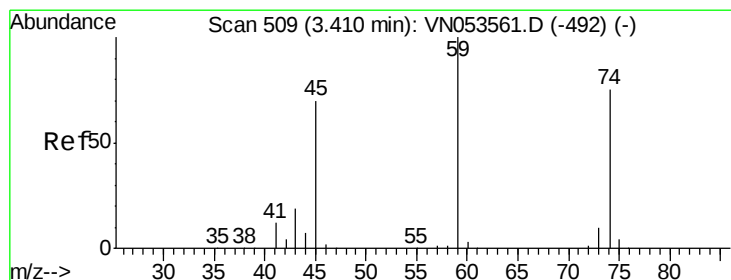
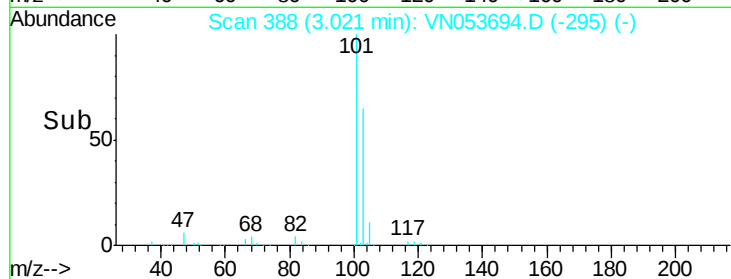
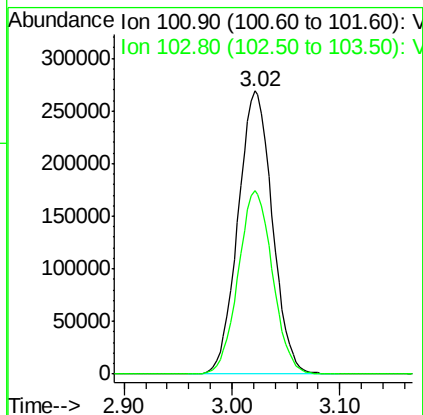
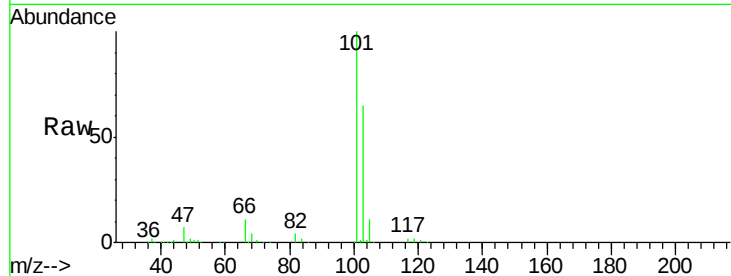


#7

Trichlorofluoromethane
 Concen: 49.963 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
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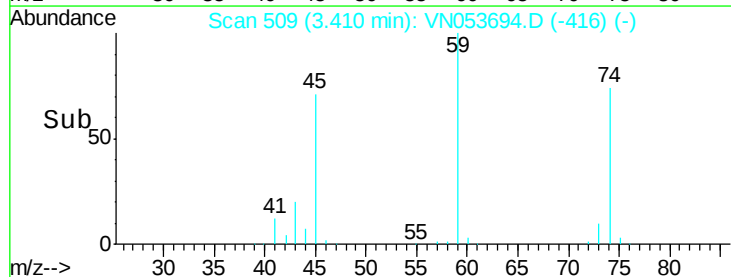
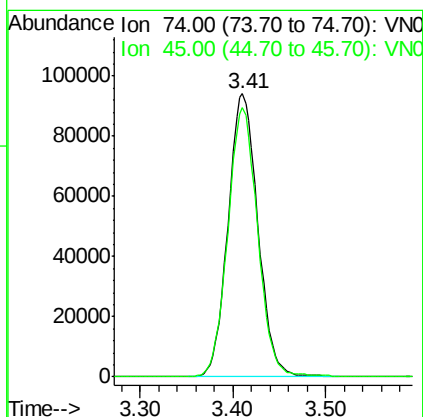
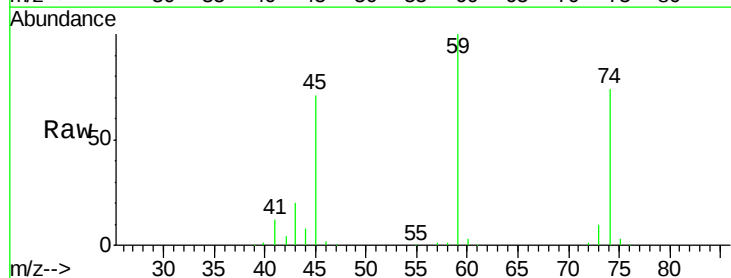
Tot Ion:101 Resp: 596305
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.6 77.4

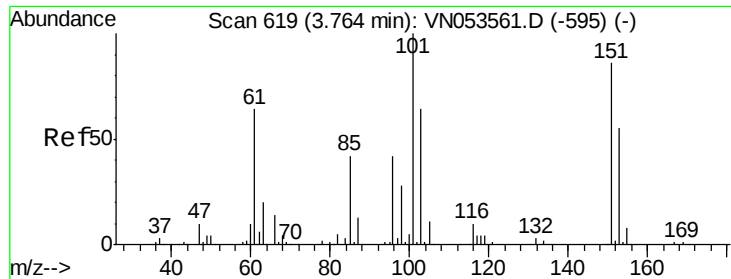


#8

Diethyl Ether
 Concen: 48.225 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 74 Resp: 210200
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.892 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

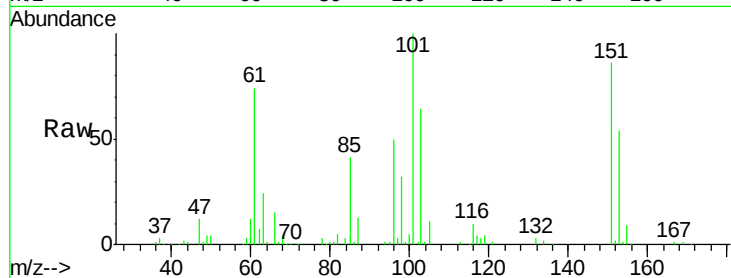
Tot Ion:101 Resp: 375647

Ion Ratio Lower Upper

101 100

85 41.3 32.8 49.2

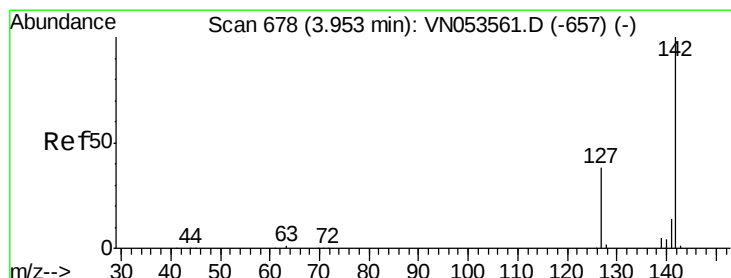
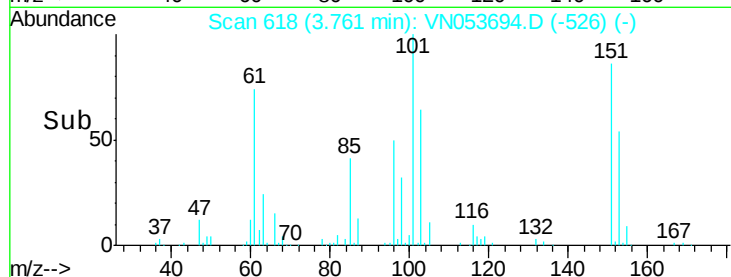
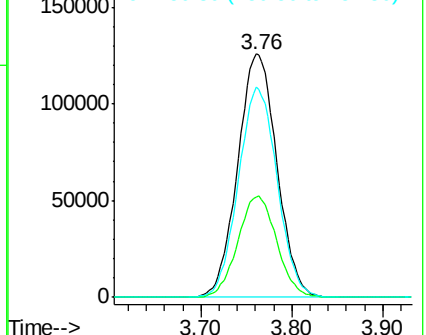
151 86.0 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.604 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

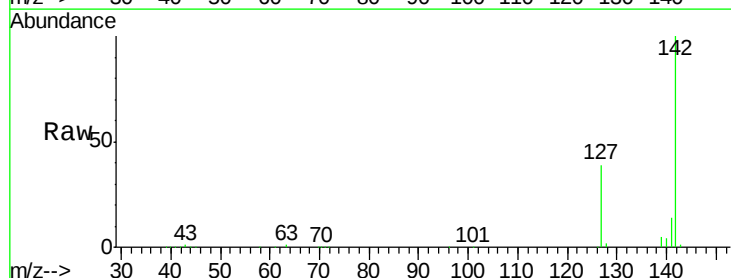
Tgt Ion:142 Resp: 551513

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

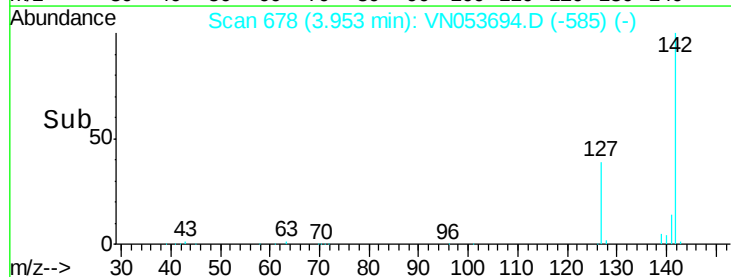
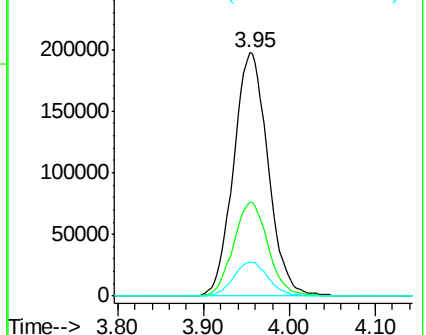
141 14.0 11.1 16.7

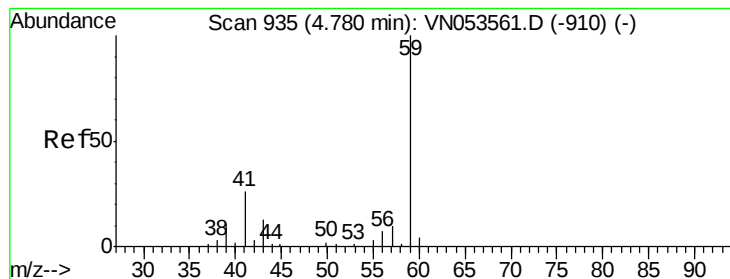


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



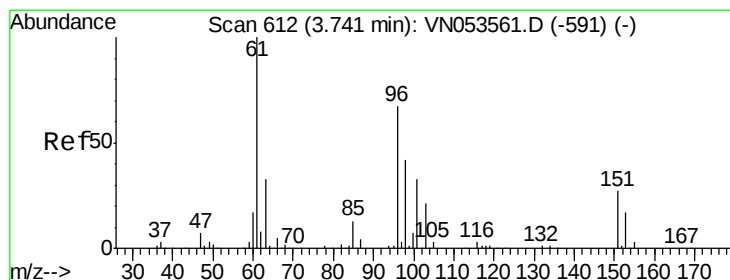
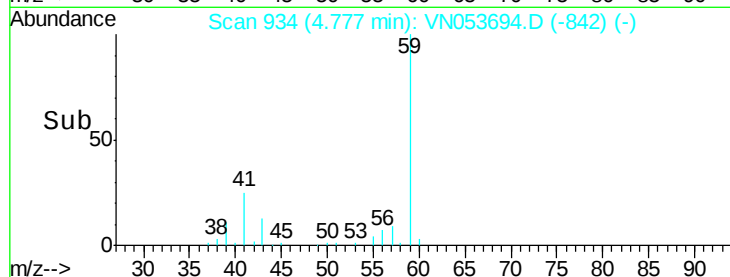
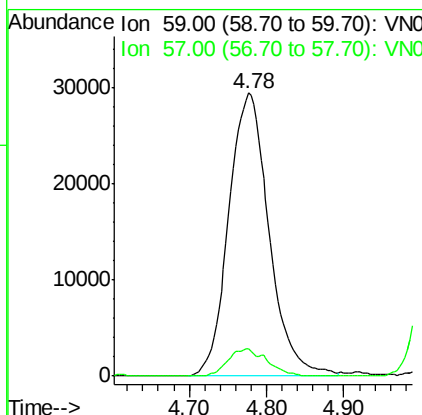
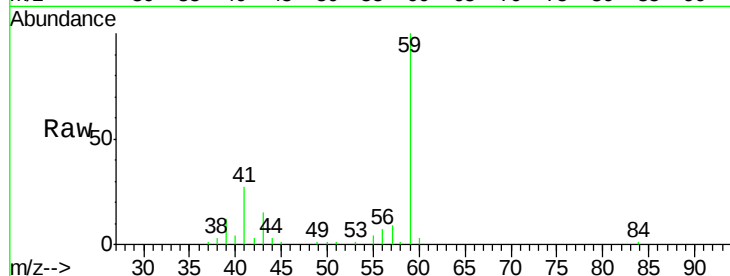


#11

Tert butyl alcohol
 Concen: 235.628 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

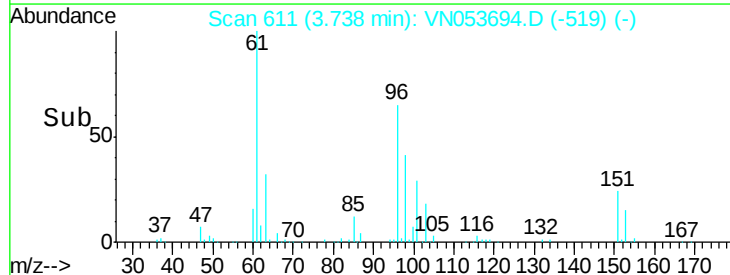
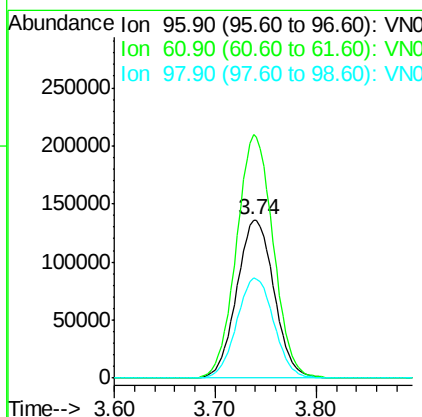
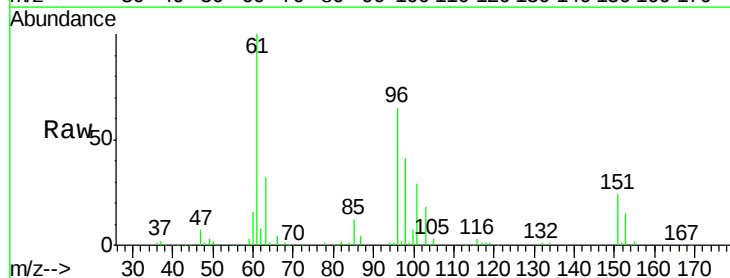
Tot Ion: 59 Resp: 106836
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.2 12.4#

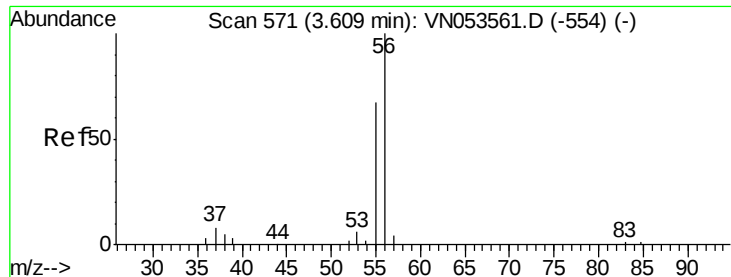


#12

1,1-Dichloroethene
 Concen: 49.323 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 96 Resp: 348810
 Ion Ratio Lower Upper
 96 100
 61 154.2 122.9 184.3
 98 63.2 49.4 74.0





#13

Acrolein

Concen: 158.060 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

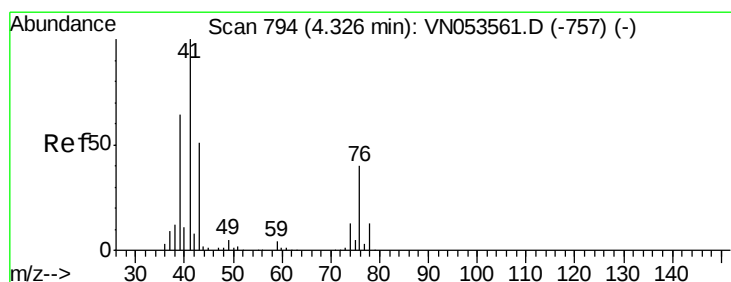
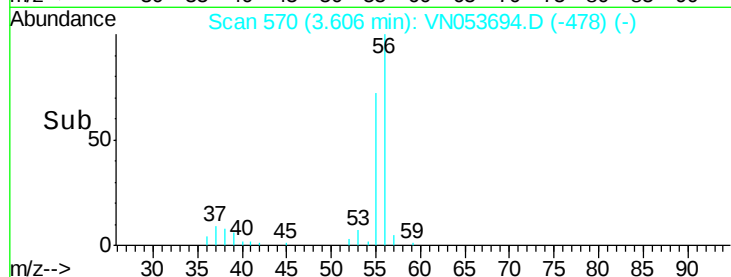
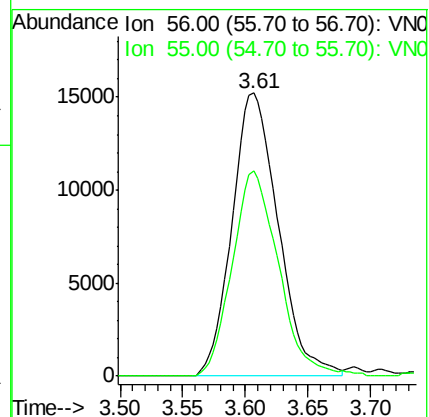
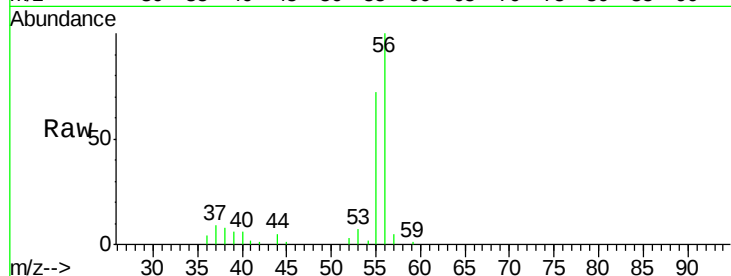
VSTDCCC050

Tot Ion: 56 Resp: 39019

Ion Ratio Lower Upper

56 100

55 72.5 57.4 86.0



#14

Allyl chloride

Concen: 49.762 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

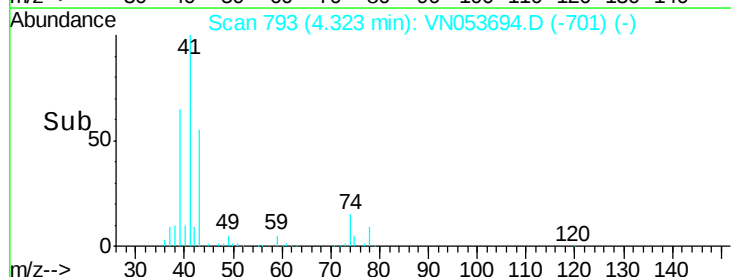
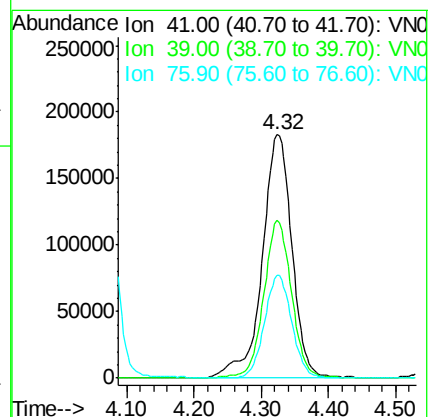
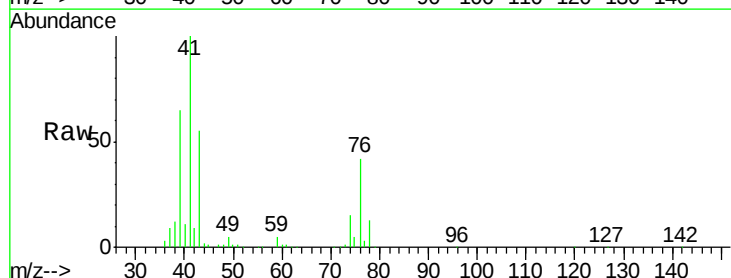
Tgt Ion: 41 Resp: 560321

Ion Ratio Lower Upper

41 100

39 60.7 48.9 73.3

76 38.2 29.4 44.2





#15

Acrylonitrile

Concen: 251.484 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

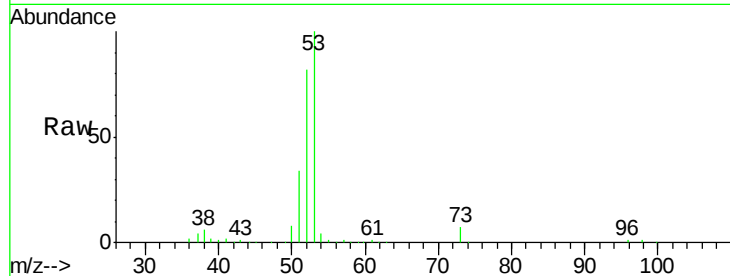
Tot Ion: 53 Resp: 615565

Ion Ratio Lower Upper

53 100

52 80.7 66.0 99.0

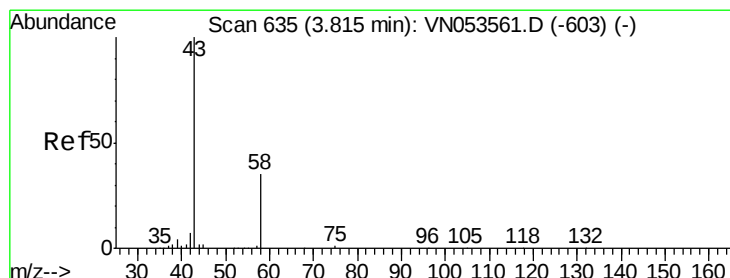
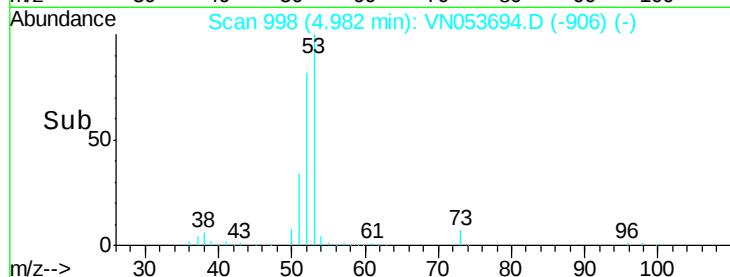
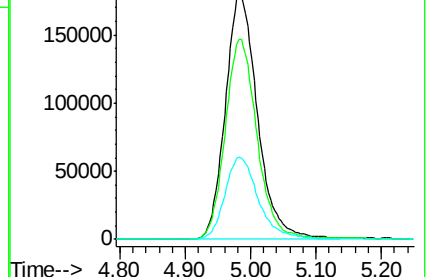
51 35.0 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053561.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053561.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053561.D (-975) (-)



#16

Acetone

Concen: 323.167 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053694.D

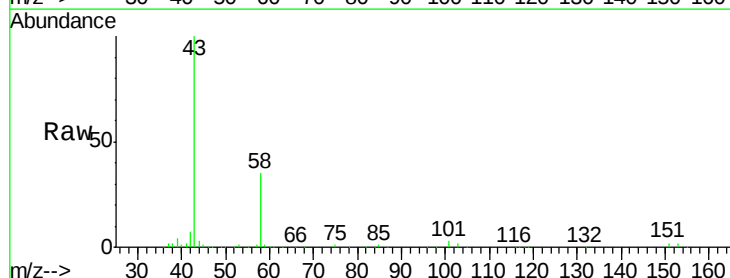
Acq: 11 Feb 2019 9:57

Tgt Ion: 43 Resp: 635063

Ion Ratio Lower Upper

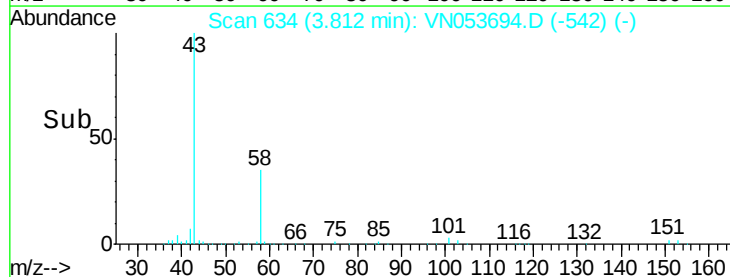
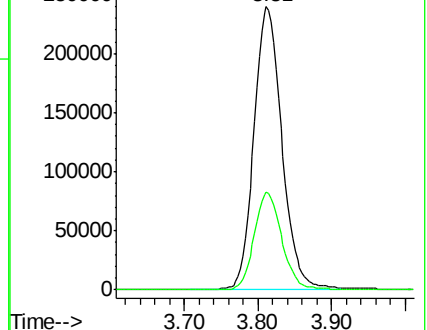
43 100

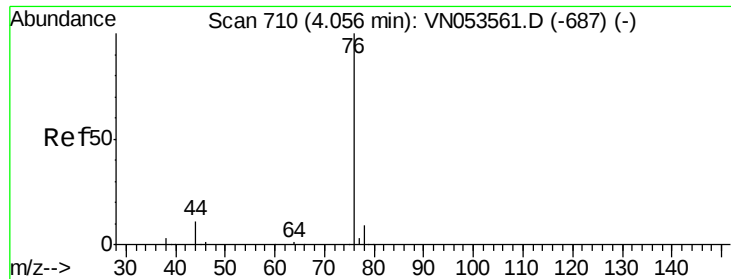
58 34.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-603) (-)

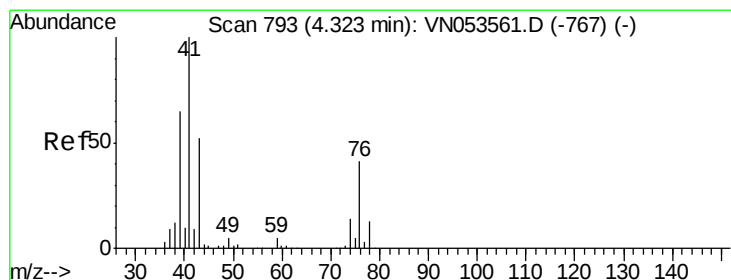
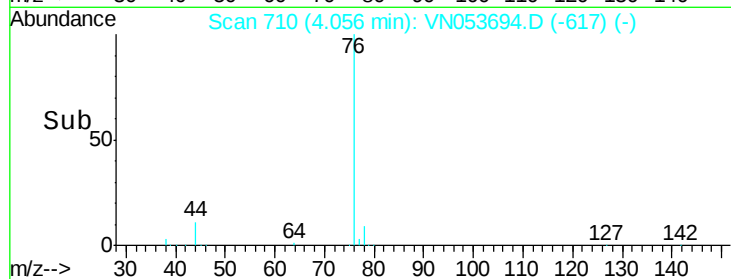
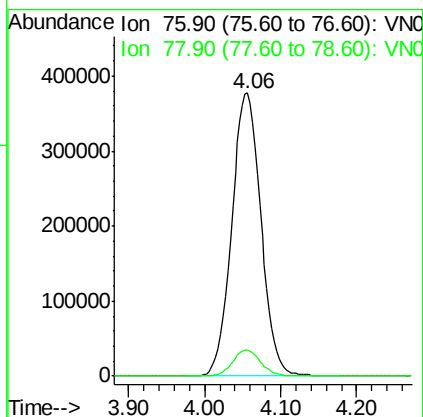
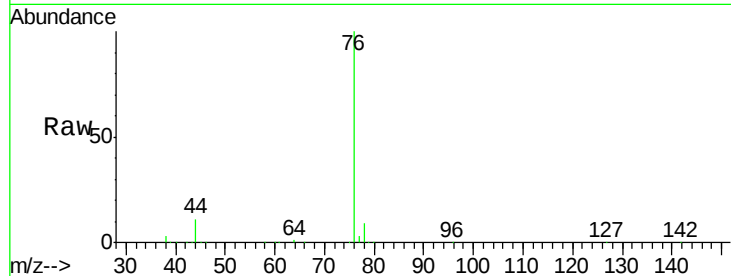




#17
Carbon Disulfide
Concen: 45.677 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

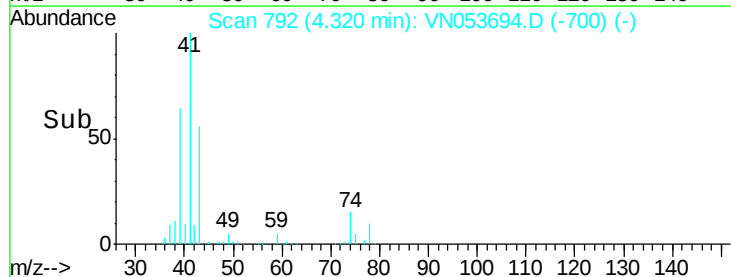
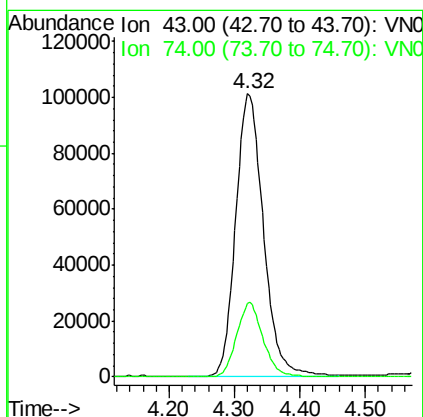
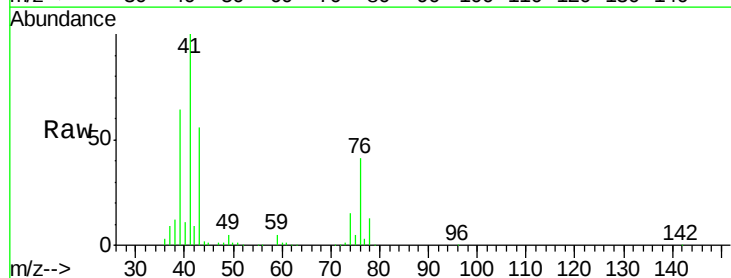
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1005823
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 51.103 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 43 Resp: 297409
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2

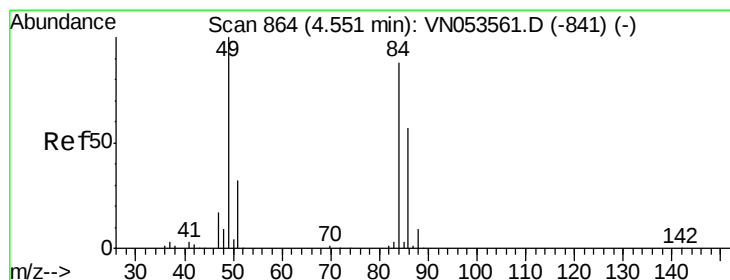
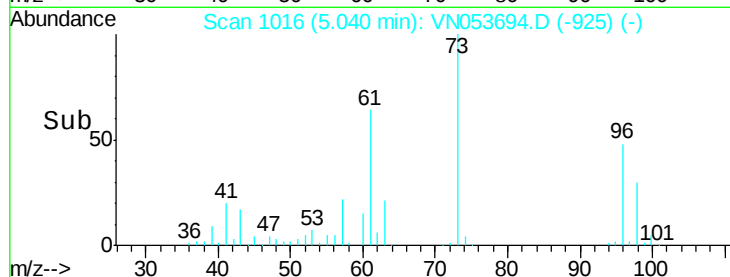
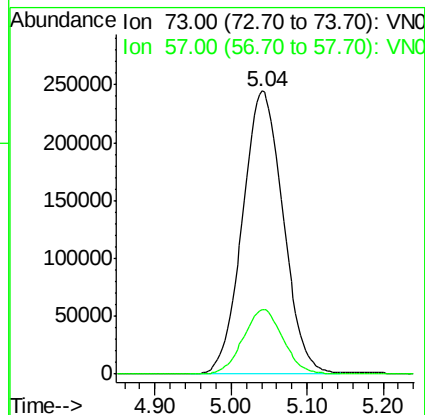
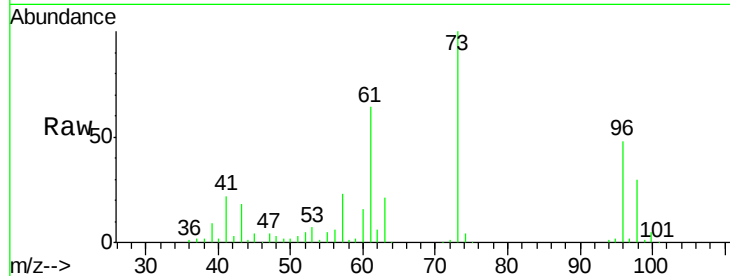




#19
Methvl tert-butvl Ether
Concen: 50.787 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

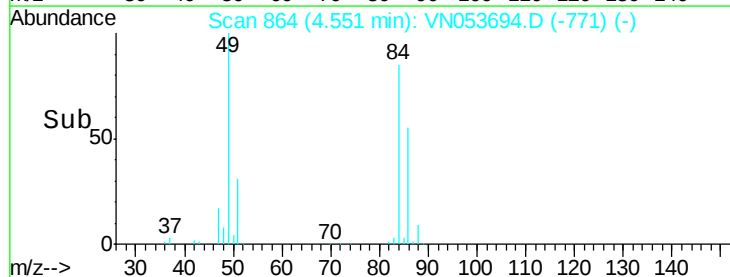
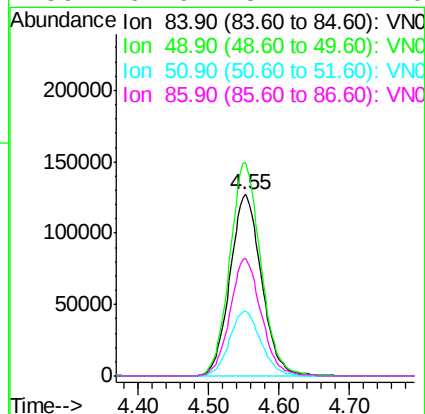
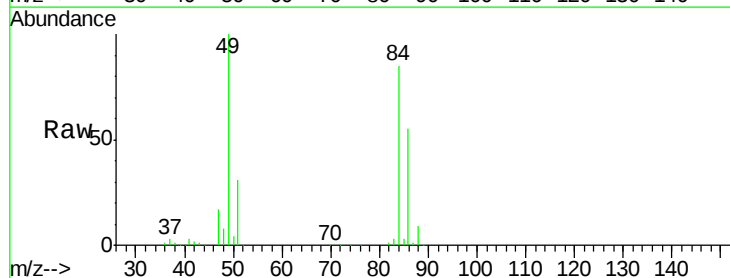
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

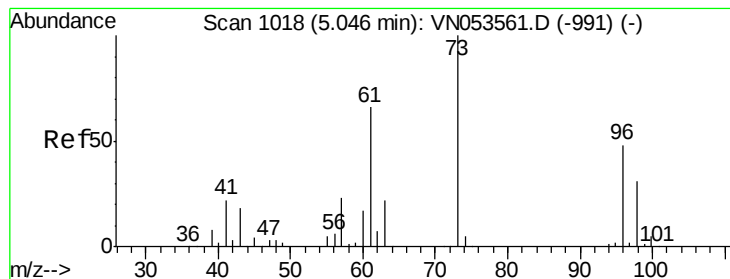
Tot Ion: 73 Resp: 910493
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 48.239 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 84 Resp: 397706
Ion Ratio Lower Upper
84 100
49 117.6 94.3 141.5
51 36.1 29.4 44.2
86 64.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 48.660 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

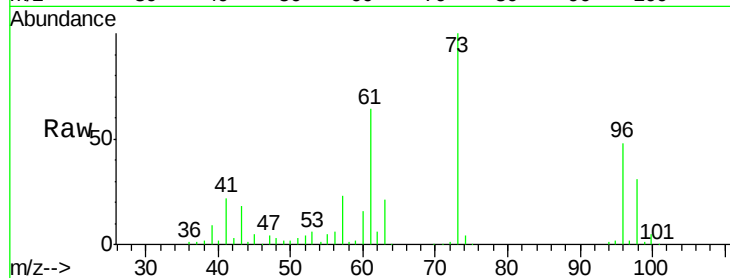
Tot Ion: 96 Resp: 371256

Ion Ratio Lower Upper

96 100

61 133.5 110.1 165.1

98 63.5 50.0 75.0

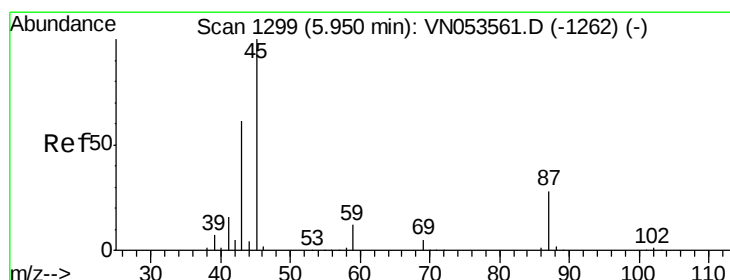
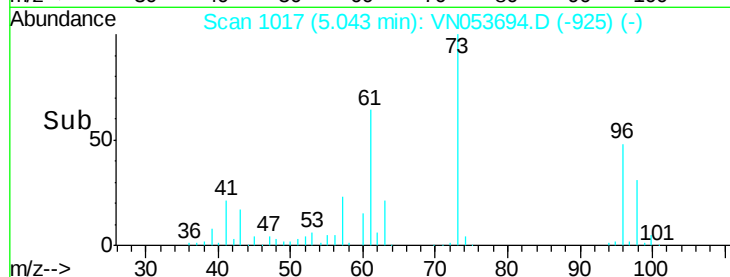
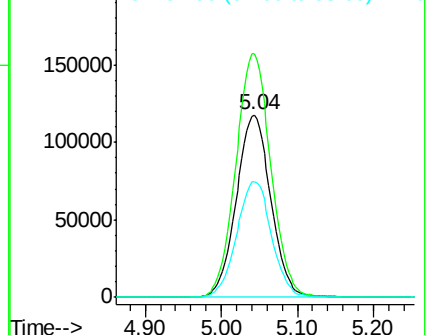


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 52.005 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion: 45 Resp: 1085024

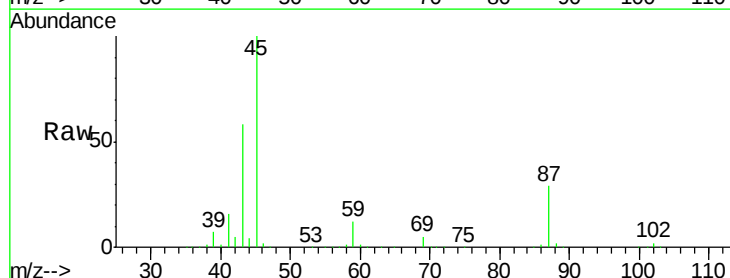
Ion Ratio Lower Upper

45 100

43 55.5 44.2 66.4

87 28.5 22.7 34.1

59 11.5 9.4 14.2



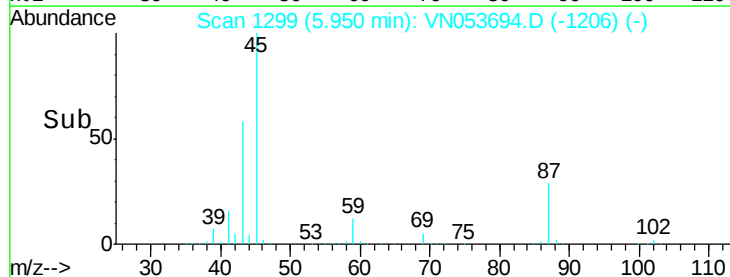
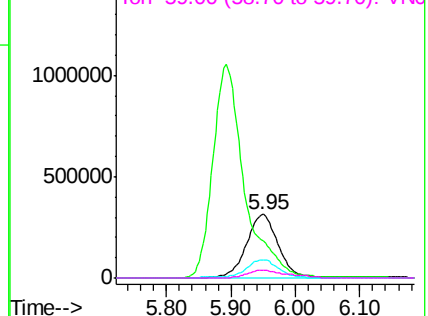
Abundance

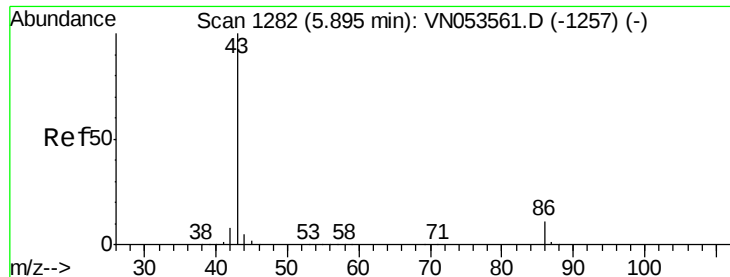
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 248.879 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

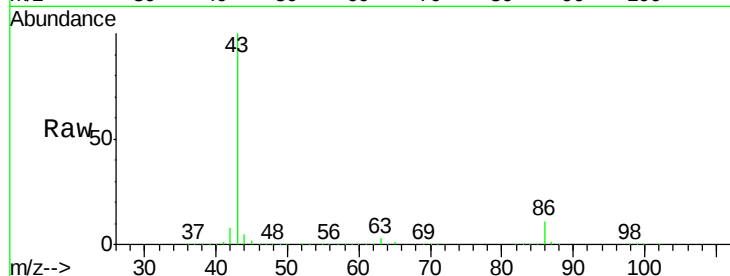
VSTDCCC050

Tot Ion: 43 Resp: 3592135

Ion Ratio Lower Upper

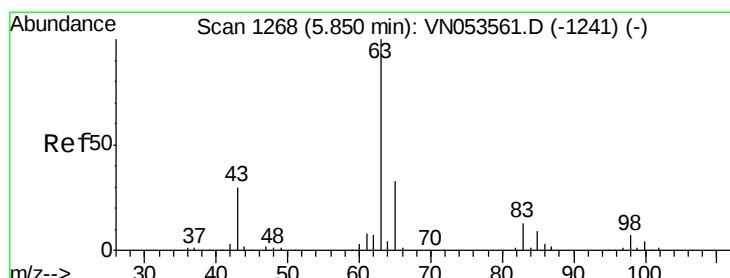
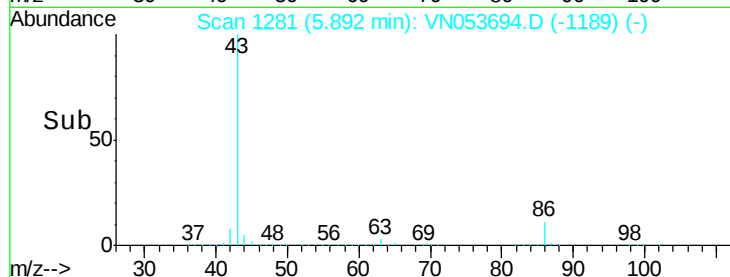
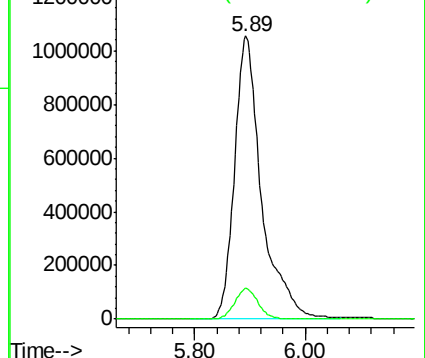
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.715 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

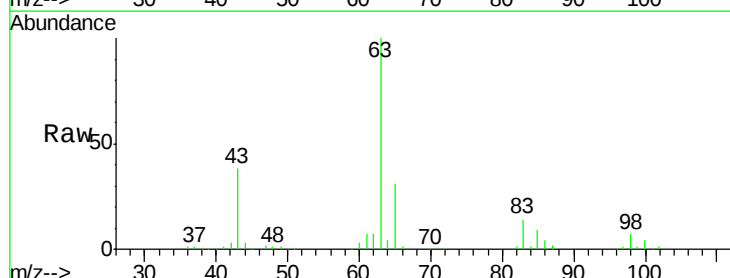
Tgt Ion: 63 Resp: 691833

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

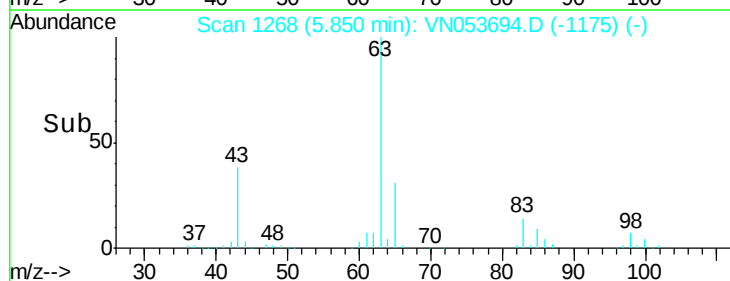
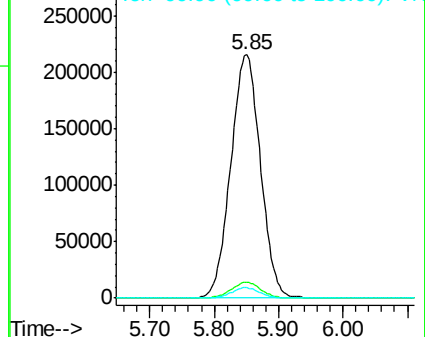
100 4.2 2.1 6.5

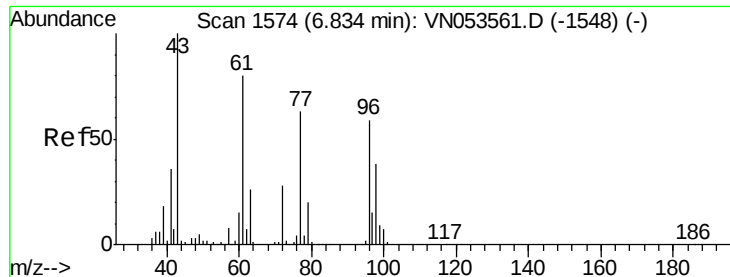


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 264.274 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

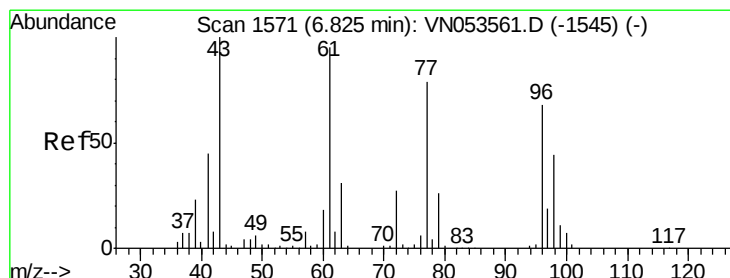
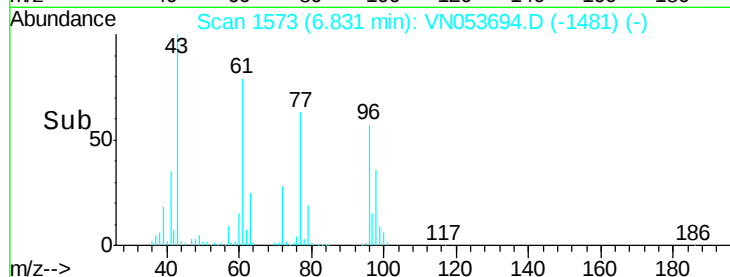
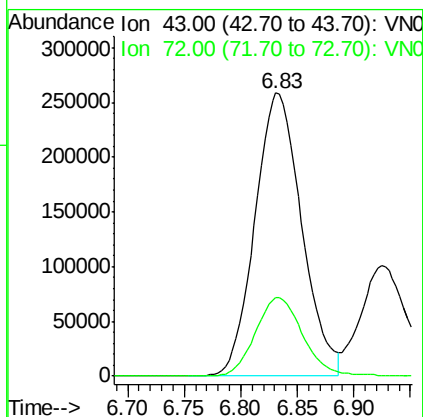
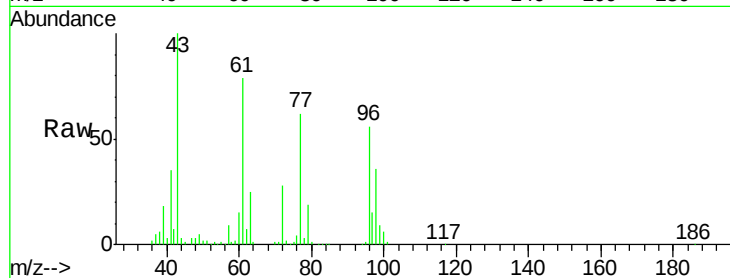
VSTDCCC050

Tot Ion: 43 Resp: 740679

Ion Ratio Lower Upper

43 100

72 28.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.543 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053694.D

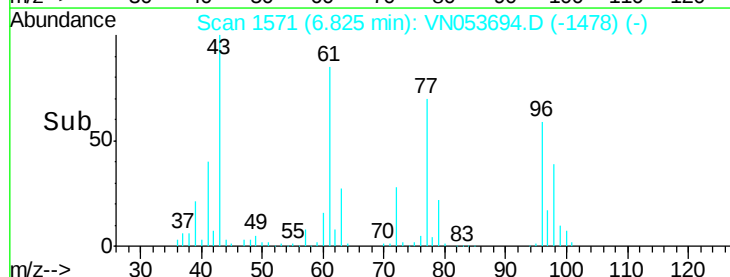
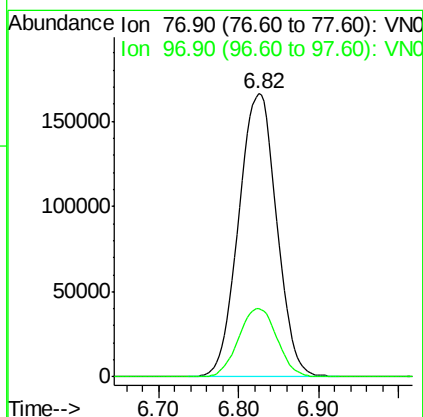
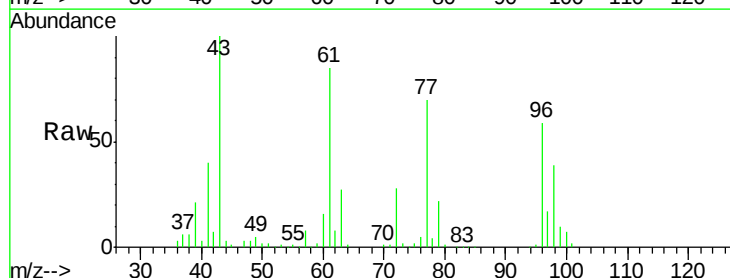
Acq: 11 Feb 2019 9:57

Tgt Ion: 77 Resp: 536917

Ion Ratio Lower Upper

77 100

97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.107 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

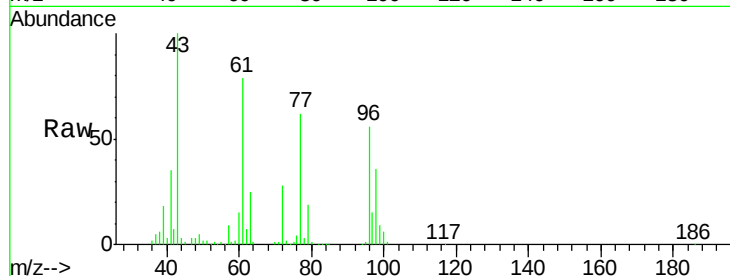
Tot Ion: 96 Resp: 425103

Ion Ratio Lower Upper

96 100

61 140.4 0.0 283.8

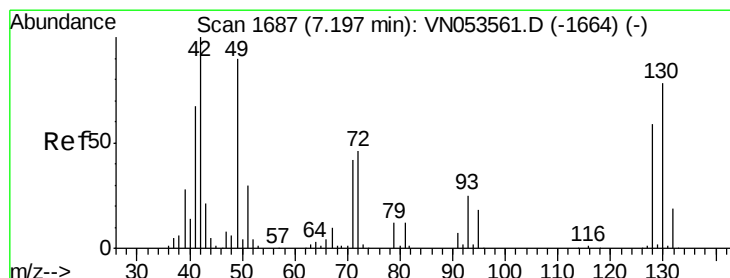
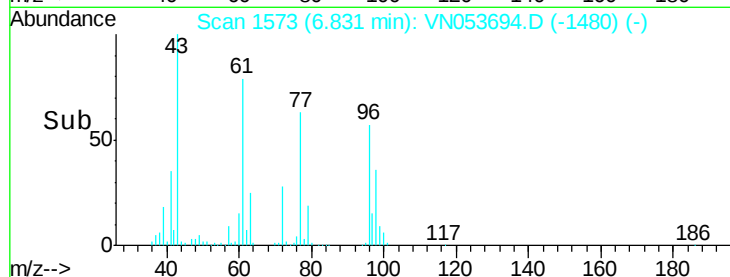
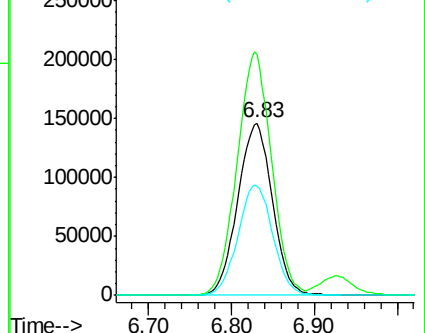
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053694.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053694.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053694.D (-1480) (-)



#28

Bromochloromethane

Concen: 51.139 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.01 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

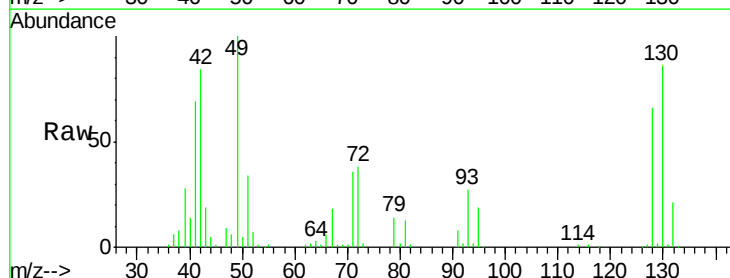
Tgt Ion: 49 Resp: 308824

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

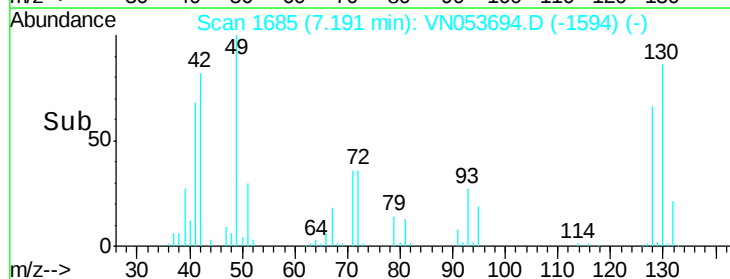
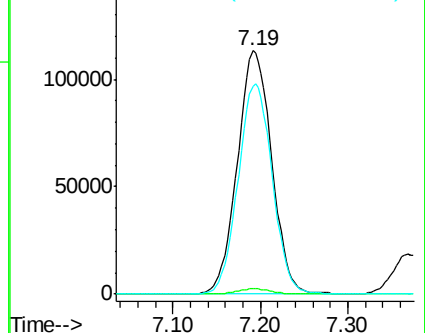
130 85.9 66.3 99.5

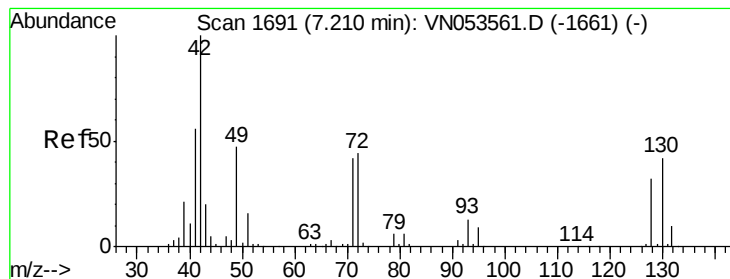


Abundance Ion 48.90 (48.60 to 49.60): VN053694.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053694.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053694.D (-1594) (-)





#29

Tetrahydrofuran

Concen: 244.472 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

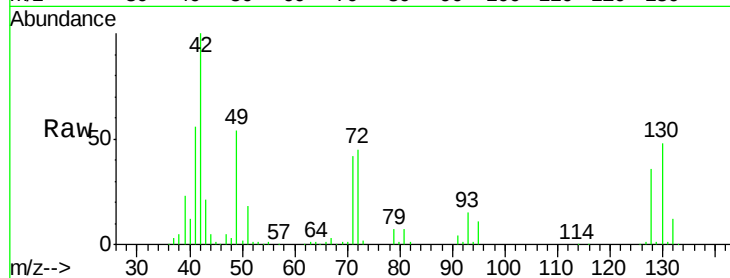
Tot Ion: 42 Resp: 439975

Ion Ratio Lower Upper

42 100

72 45.1 35.2 52.8

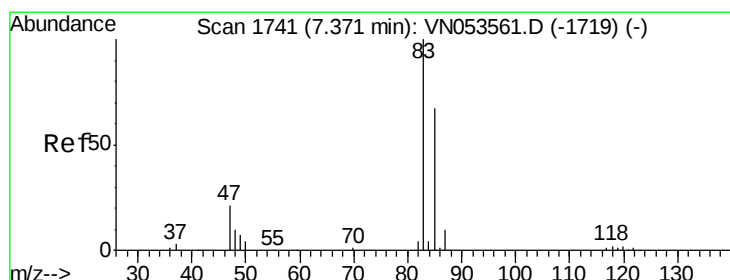
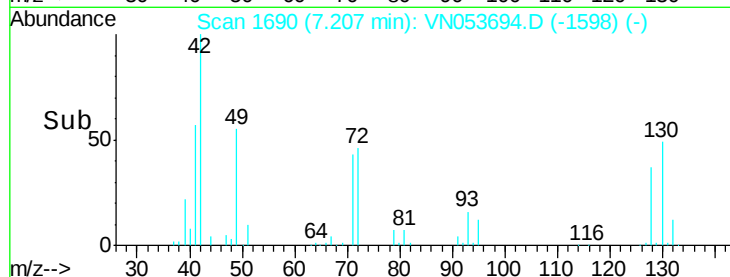
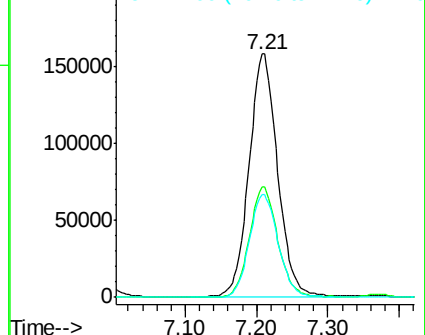
71 42.6 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.345 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN053694.D

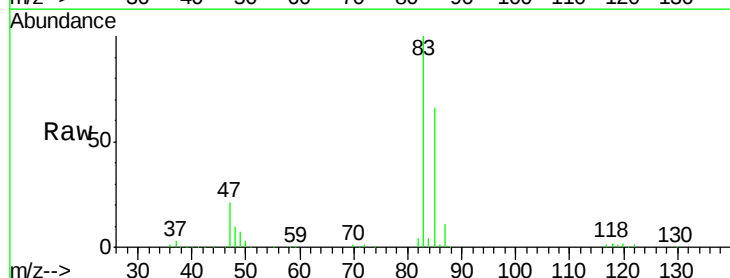
Acq: 11 Feb 2019 9:57

Tgt Ion: 83 Resp: 680700

Ion Ratio Lower Upper

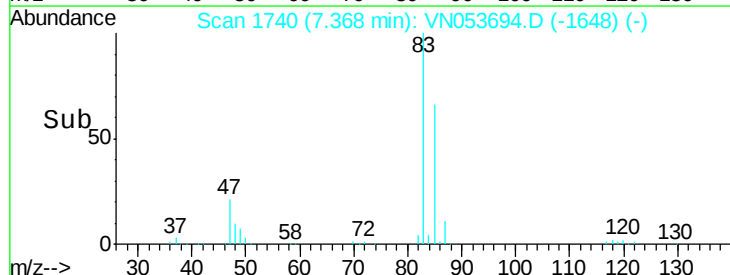
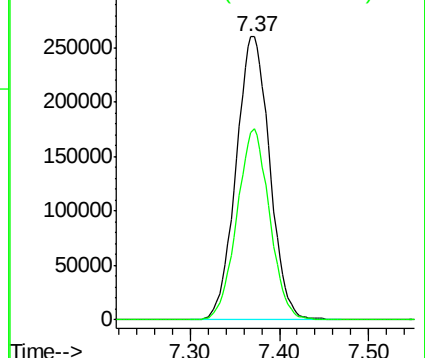
83 100

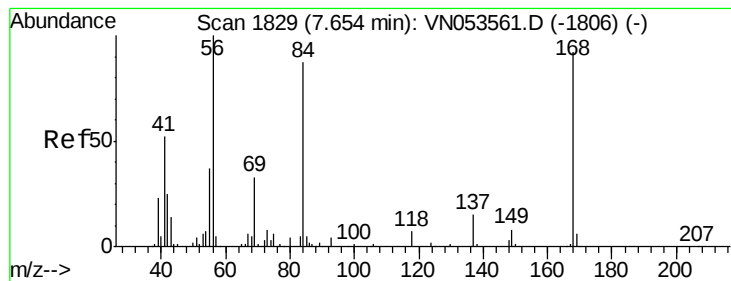
85 66.2 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.097 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

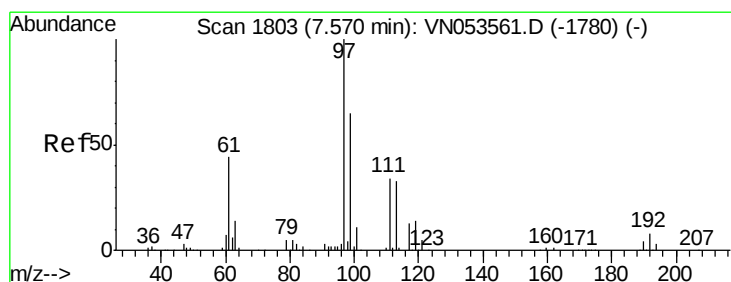
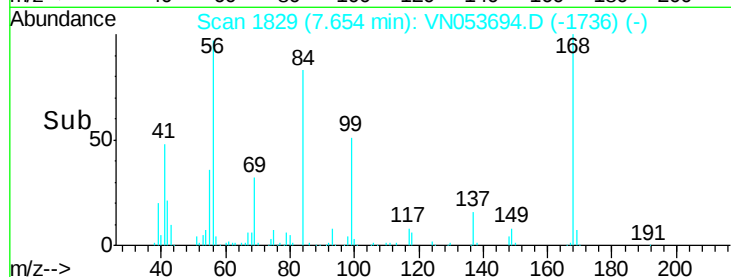
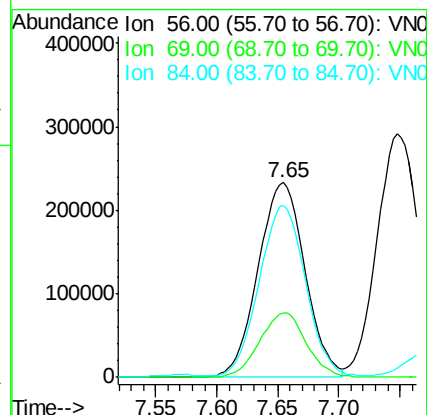
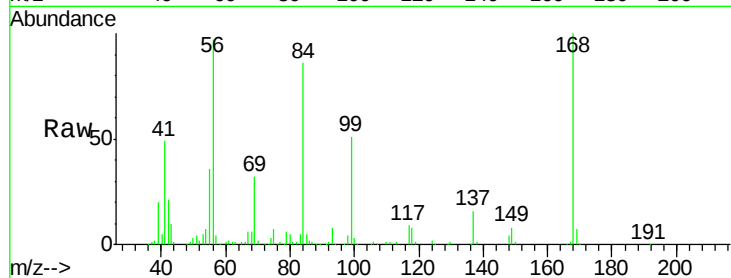
Tot Ion: 56 Resp: 623240

Ion Ratio Lower Upper

56 100

69 33.4 26.4 39.6

84 87.5 67.9 101.9



#32

1,1,1-Trichloroethane

Concen: 50.019 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

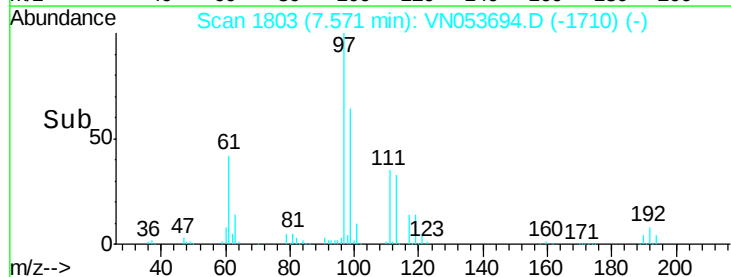
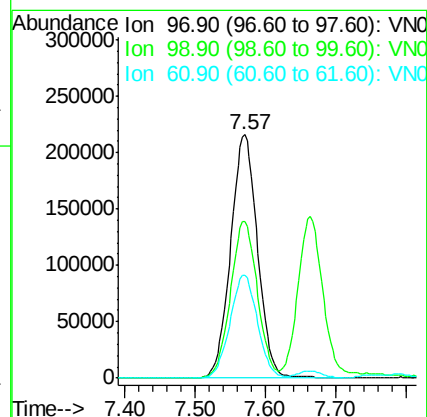
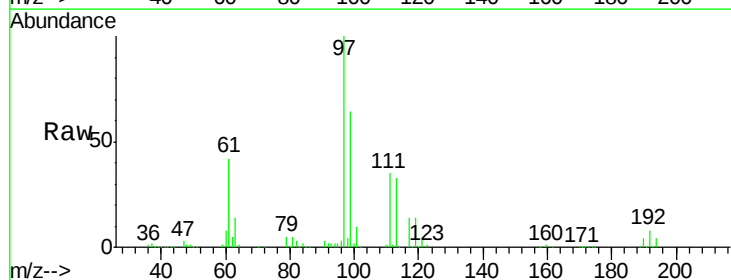
Tgt Ion: 97 Resp: 574224

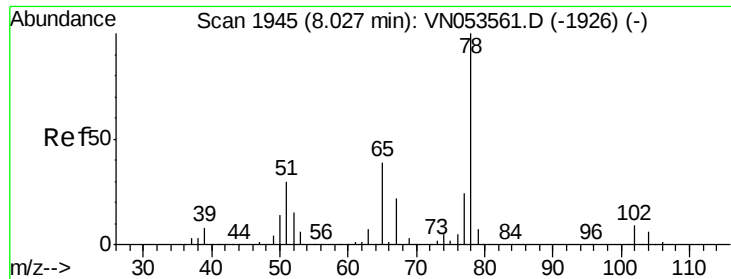
Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

61 43.1 34.4 51.6

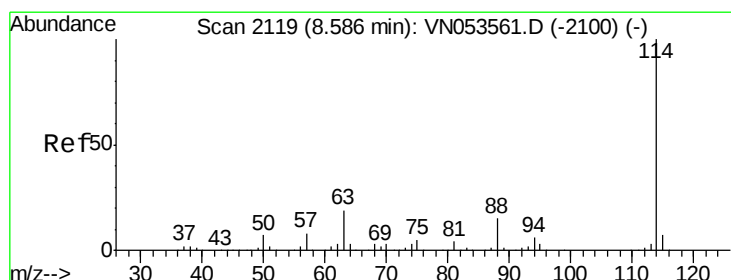
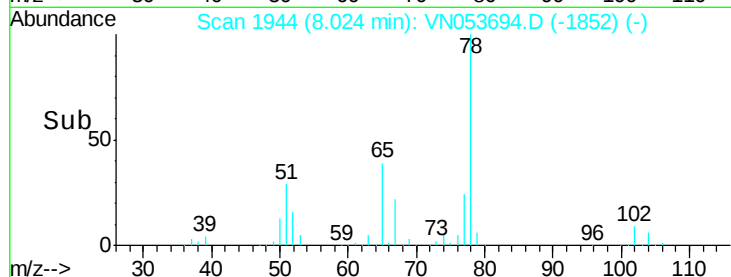
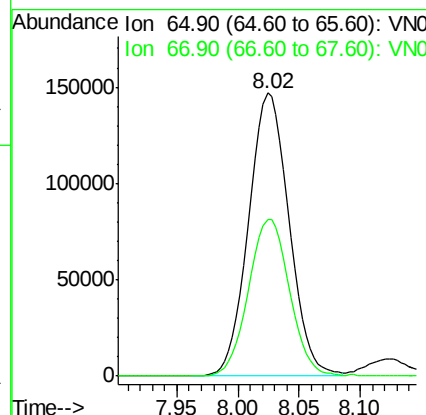
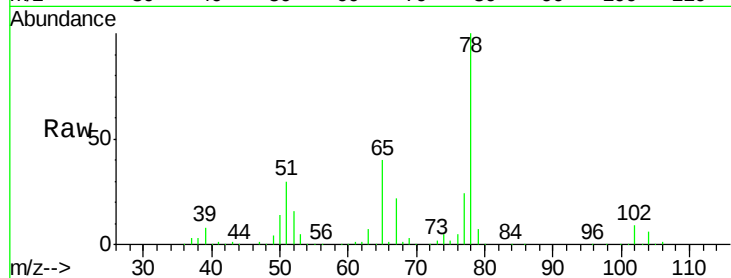




#33
 1,2-Dichloroethane-d4
 Concen: 44.003 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

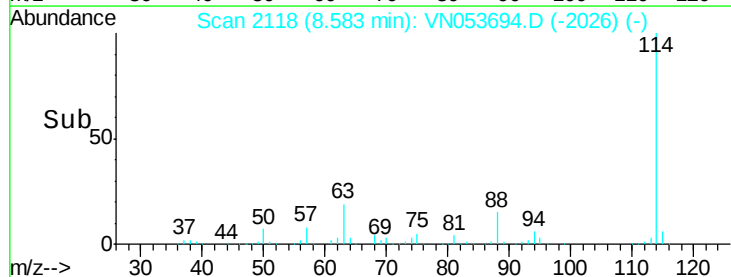
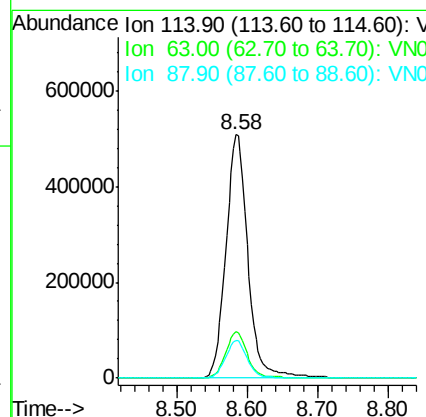
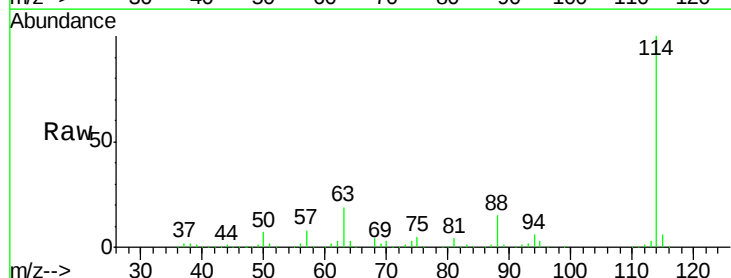
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

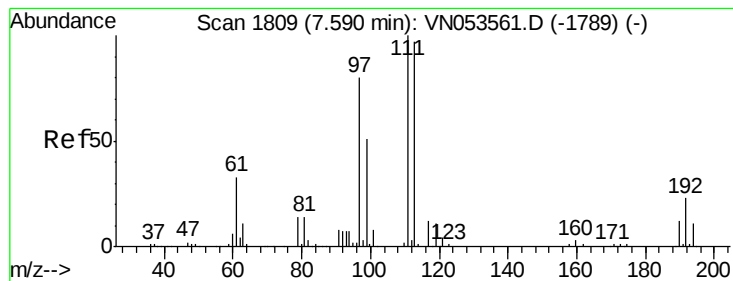
Tot Ion: 65 Resp: 337114
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 114 Resp: 1107146
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 46.925 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

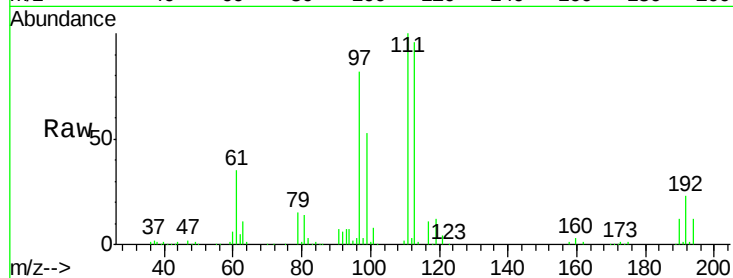
Tot Ion:113 Resp: 328278

Ion Ratio Lower Upper

113 100

111 103.5 81.1 121.7

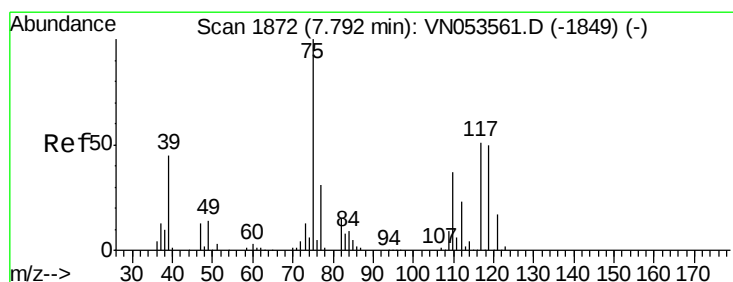
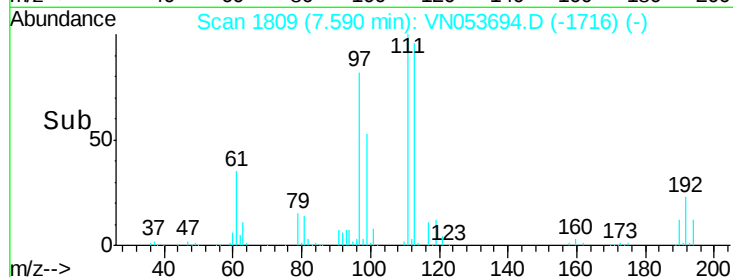
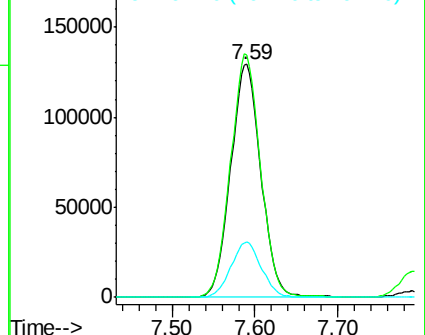
192 23.7 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 53.526 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

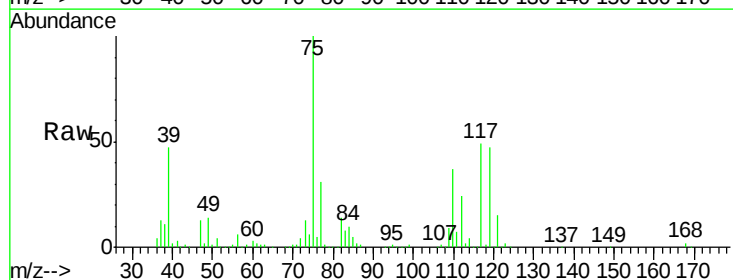
Tgt Ion: 75 Resp: 534198

Ion Ratio Lower Upper

75 100

110 36.6 18.1 54.3

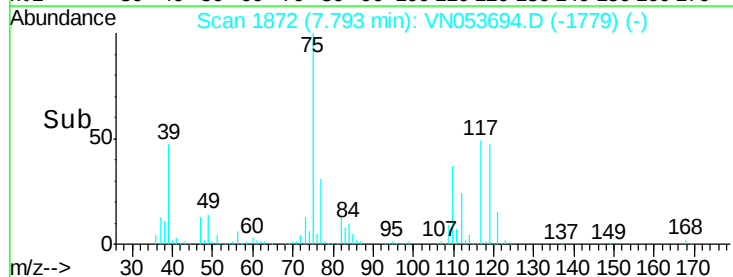
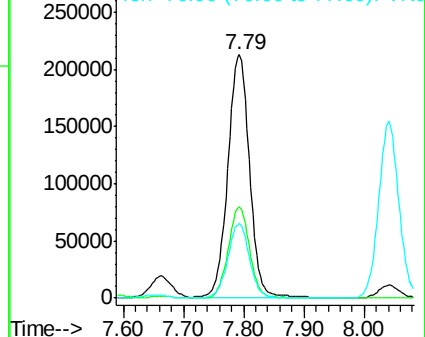
77 30.7 25.1 37.7

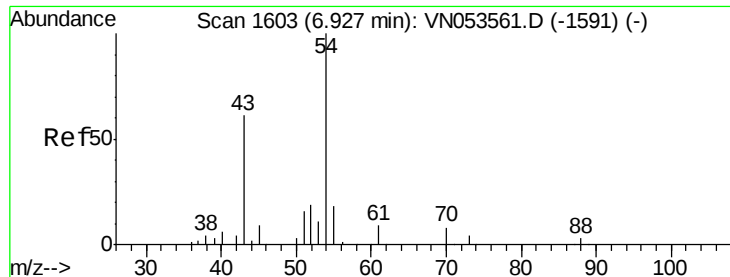


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

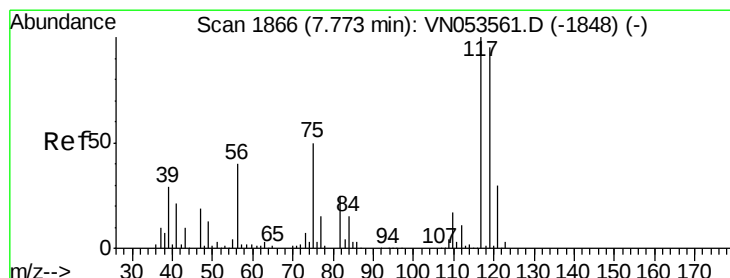
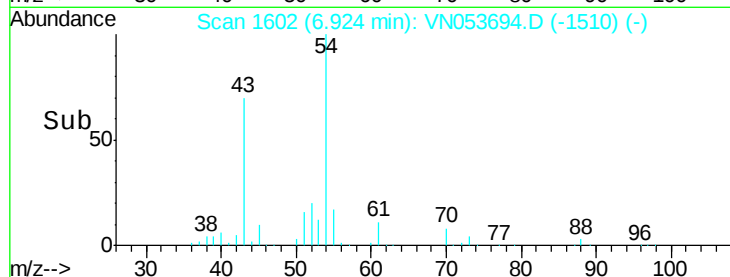
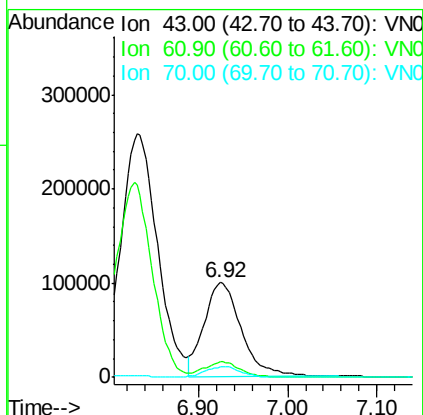
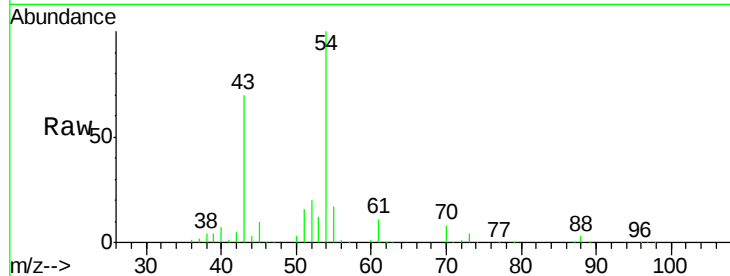




#37
Ethyl Acetate
Concen: 51.837 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

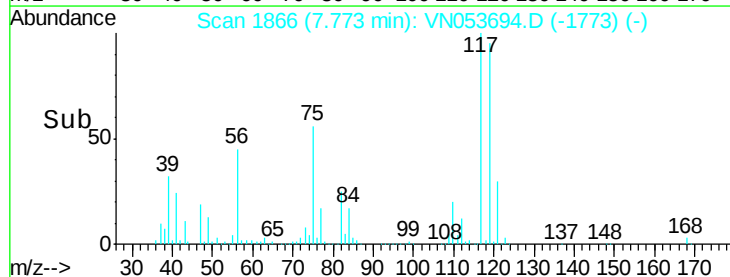
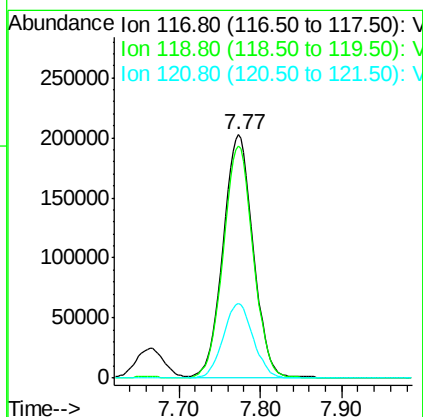
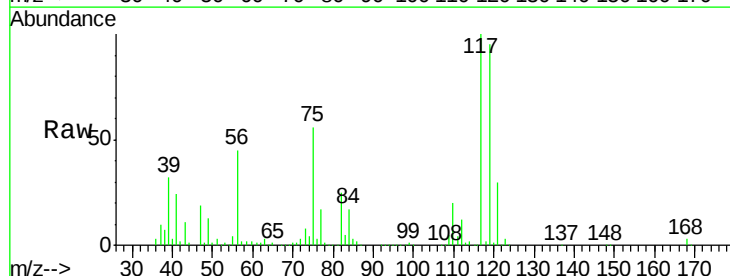
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

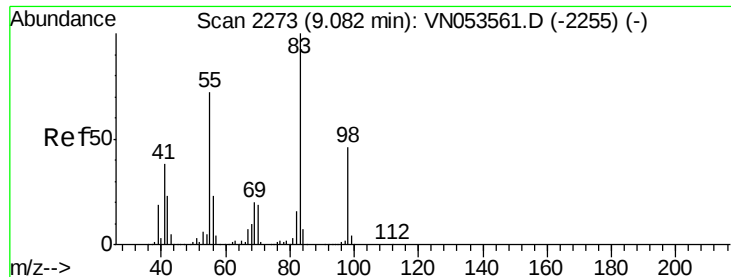
Tot Ion: 43 Resp: 288942
Ion Ratio Lower Upper
43 100
61 15.6 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 52.117 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 117 Resp: 523981
Ion Ratio Lower Upper
117 100
119 95.5 77.2 115.8
121 30.5 24.6 37.0

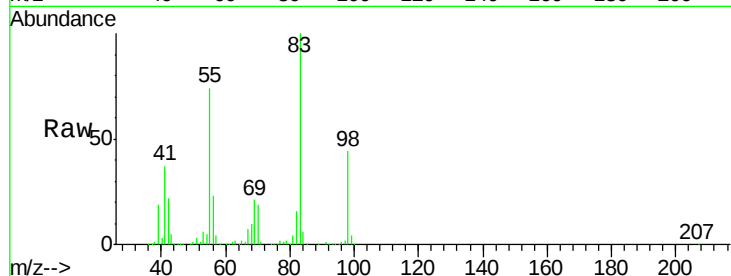




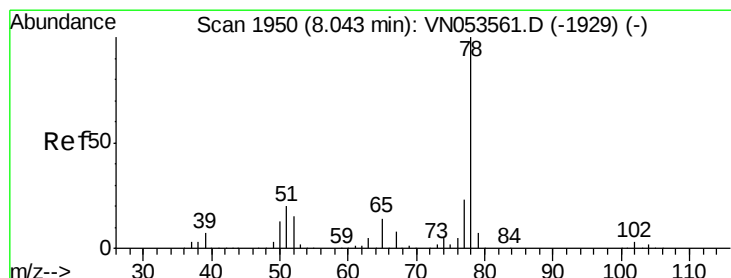
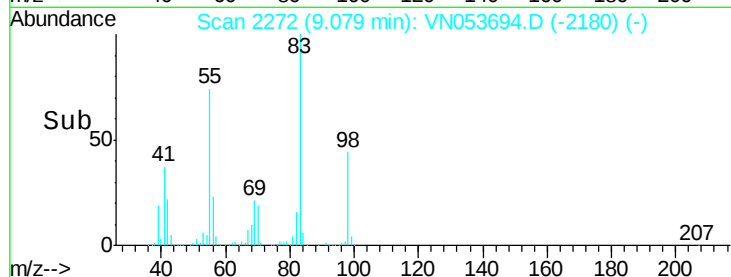
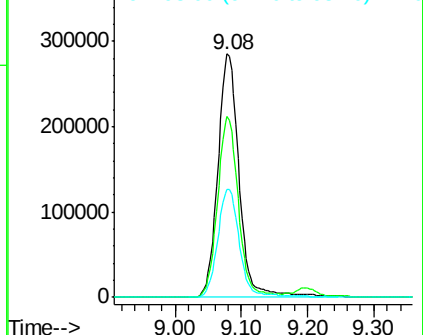
#39
Methvlcvclohexane
Concen: 54.043 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 639893
Ion Ratio Lower Upper
83 100
55 74.2 60.1 90.1
98 44.3 36.6 55.0

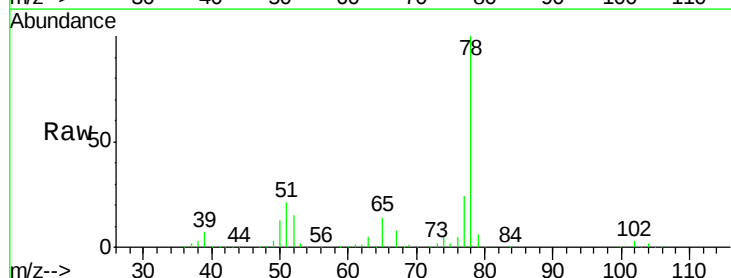


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

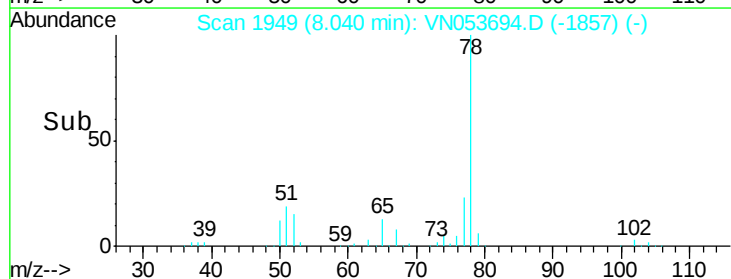
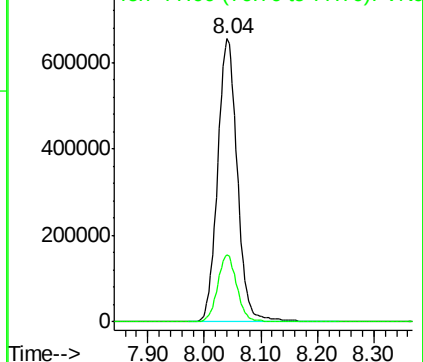


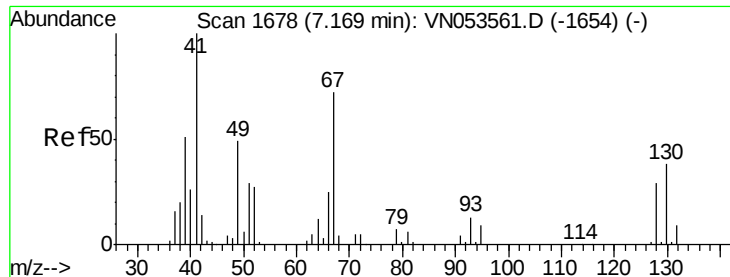
#40
Benzene
Concen: 51.549 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 78 Resp: 1586480
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2



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

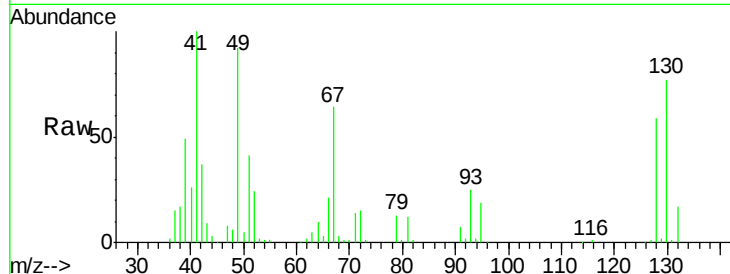




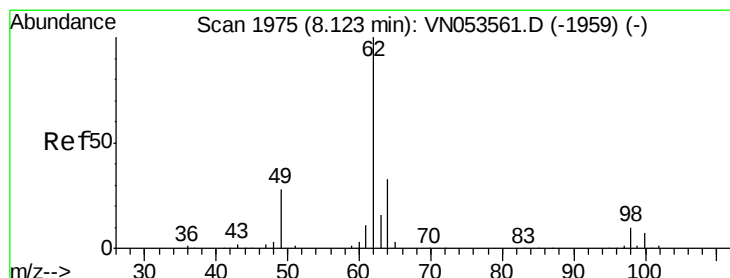
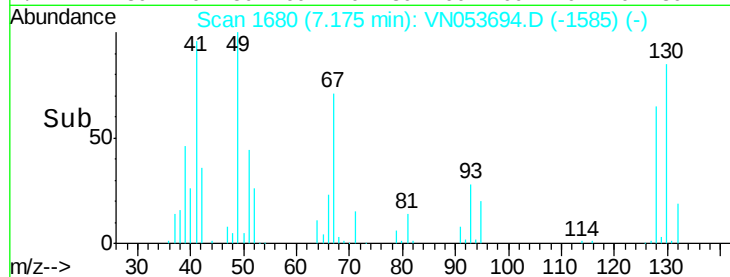
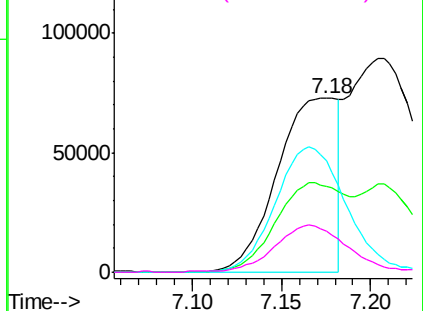
#41
Methacrylonitrile
Concen: 54.476 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	169710
Ion	Ratio	Lower	Upper
41	100		
39	58.5	46.8	70.2
67	86.9	63.0	94.6
52	32.0	23.8	35.8

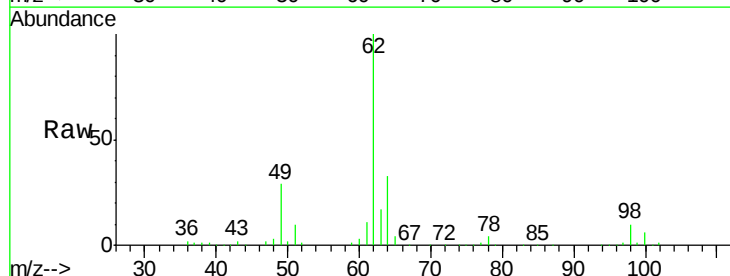


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

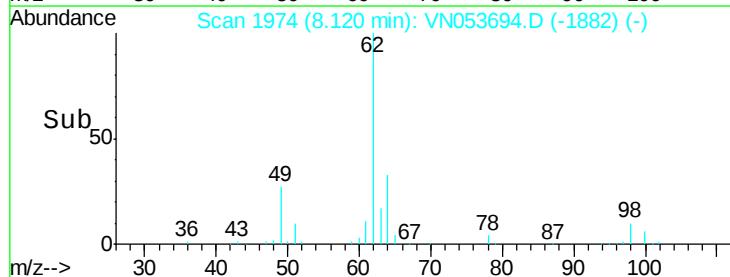
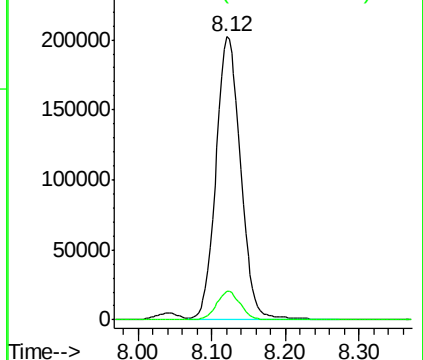


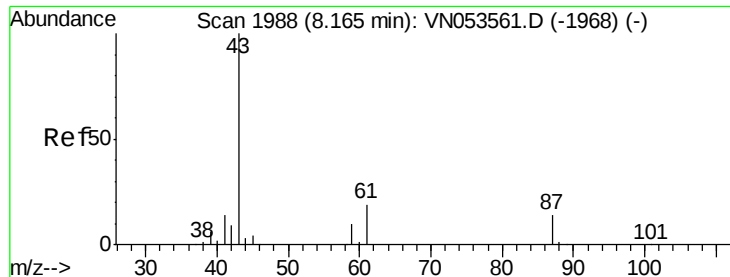
#42
1,2-Dichloroethane
Concen: 51.349 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion:	62	Resp:	469240
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



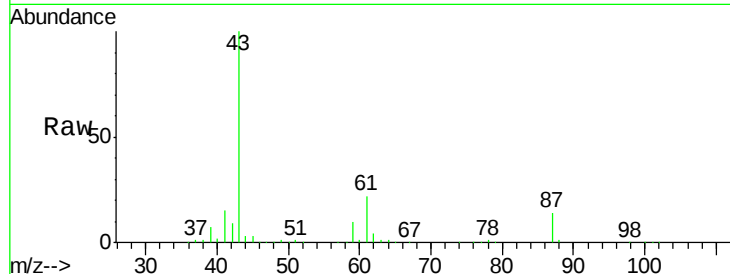


#43

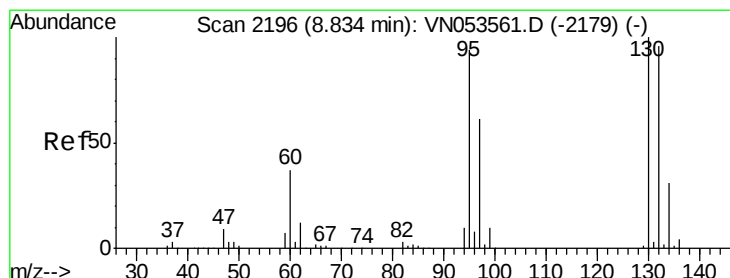
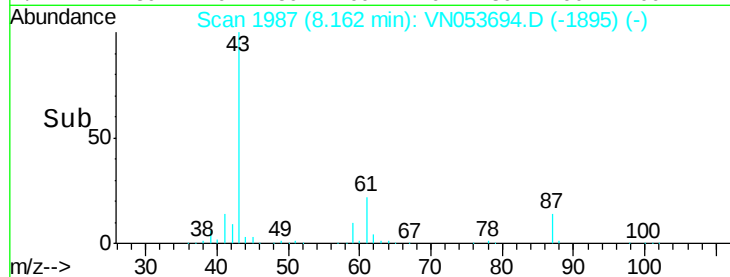
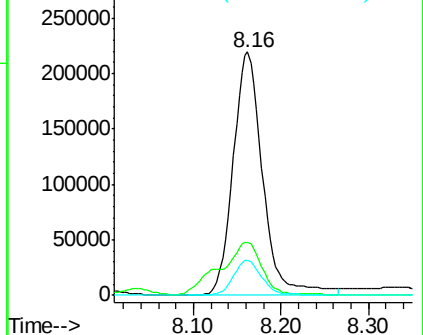
Isopropyl Acetate
 Concen: 47.819 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 514750
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.9 35.9
 87 14.1 11.0 16.6



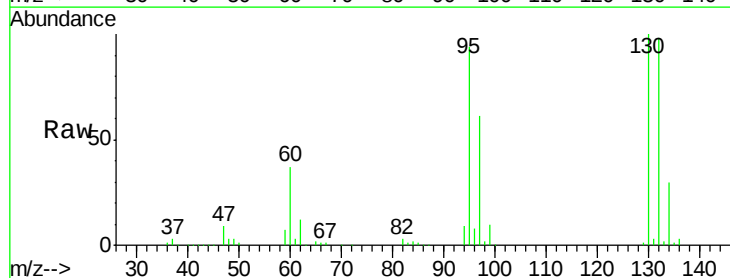
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



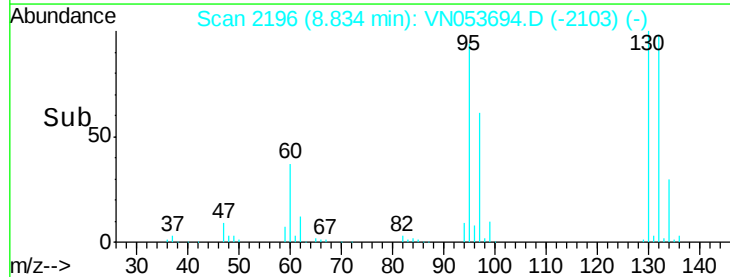
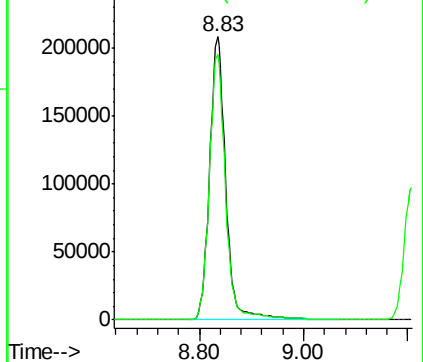
#44

Trichloroethene
 Concen: 51.513 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion:130 Resp: 451356
 Ion Ratio Lower Upper
 130 100
 95 93.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 52.824 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

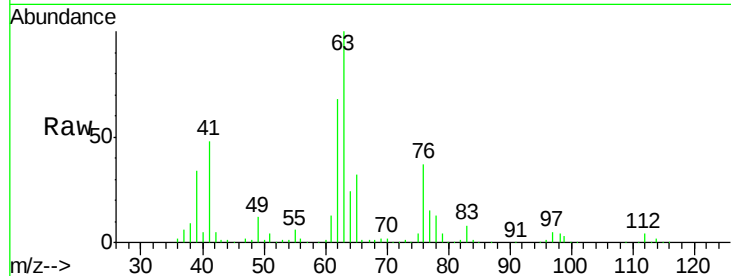
VSTDCCC050

Tot Ion: 63 Resp: 415819

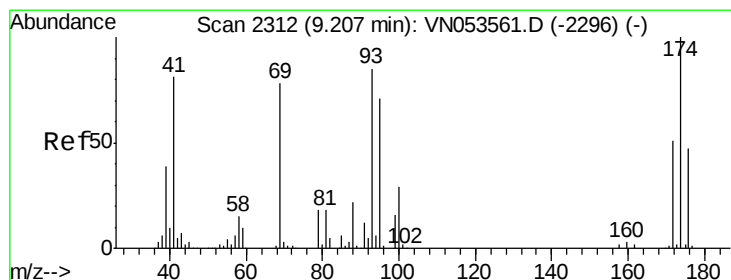
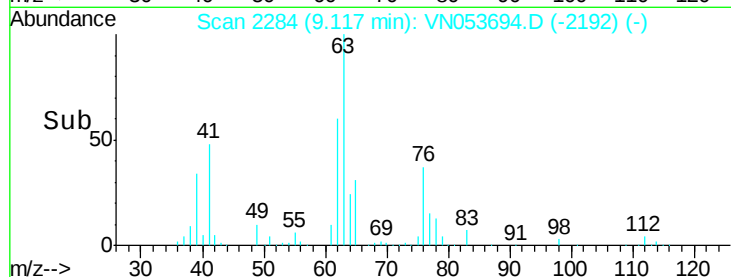
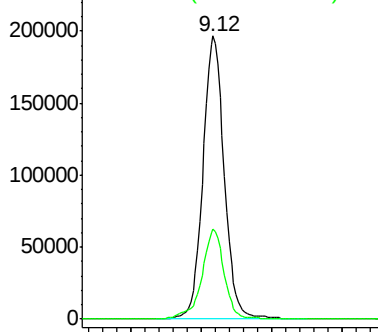
Ion Ratio Lower Upper

63 100

65 31.6 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO
Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 50.726 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

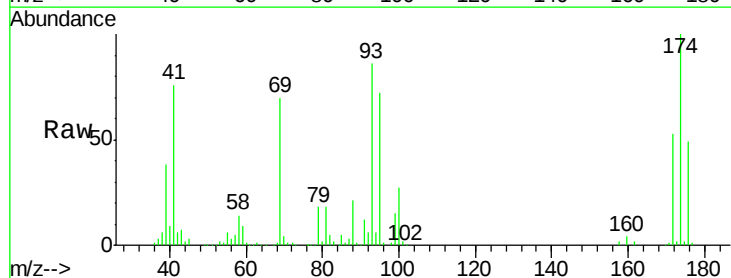
Tgt Ion: 93 Resp: 240710

Ion Ratio Lower Upper

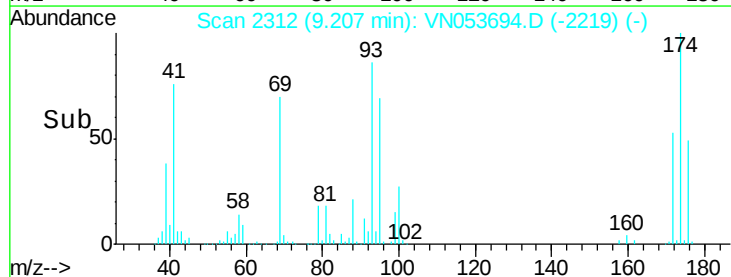
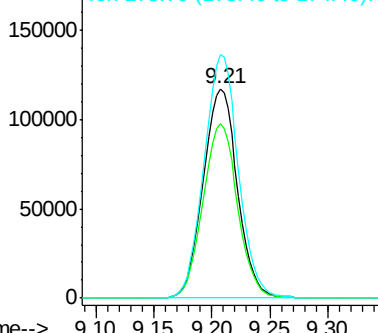
93 100

95 84.0 67.3 100.9

174 117.0 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

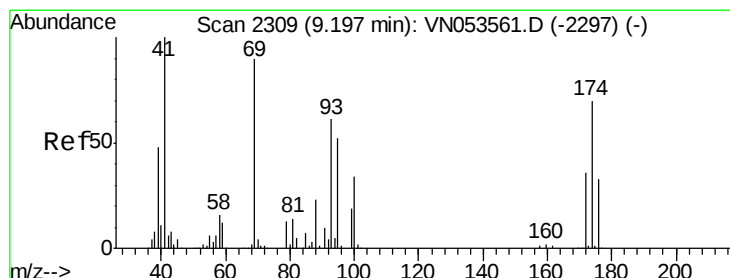
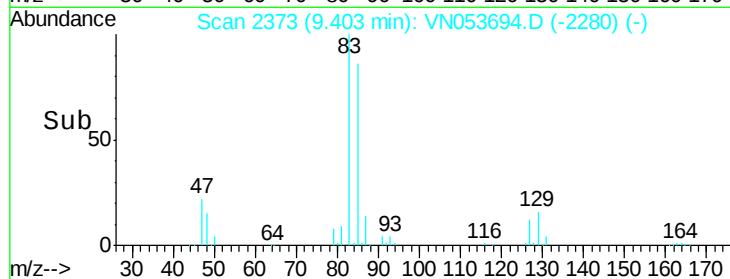
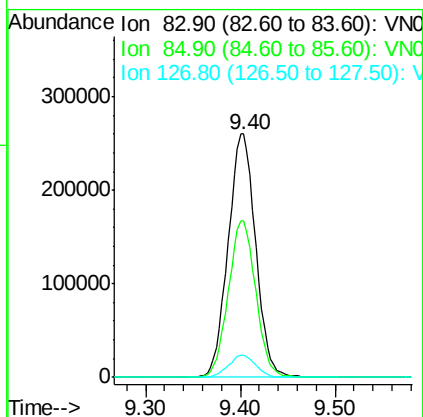
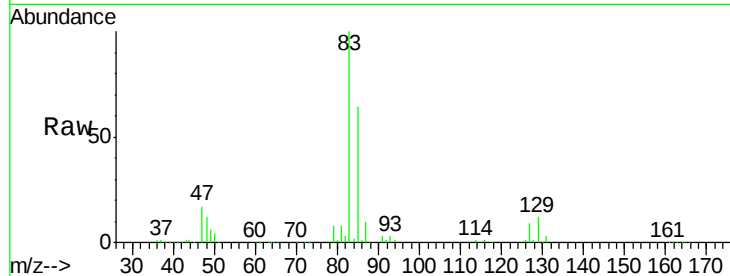




#47
Bromodichloromethane
Concen: 53.226 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

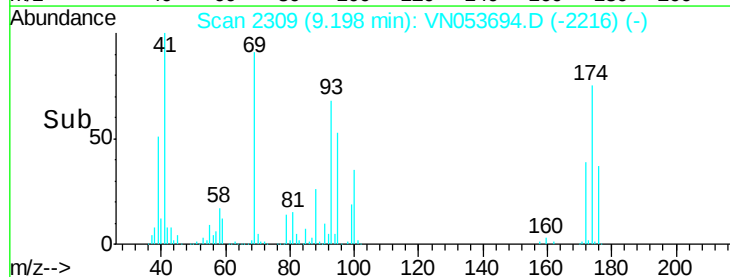
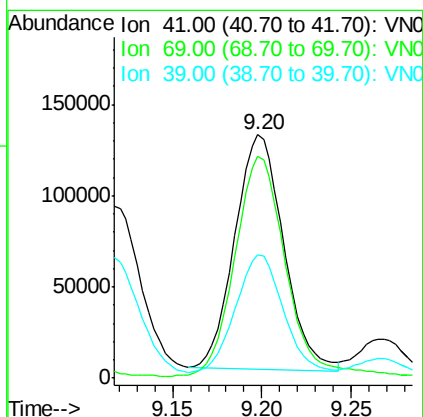
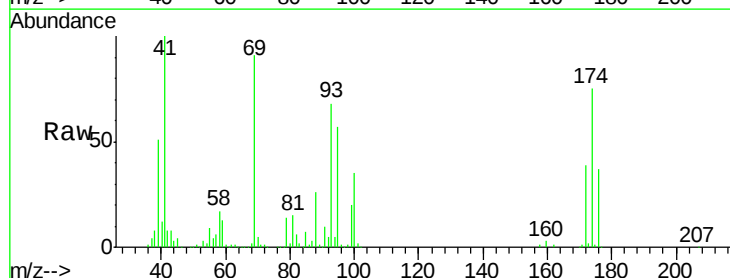
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

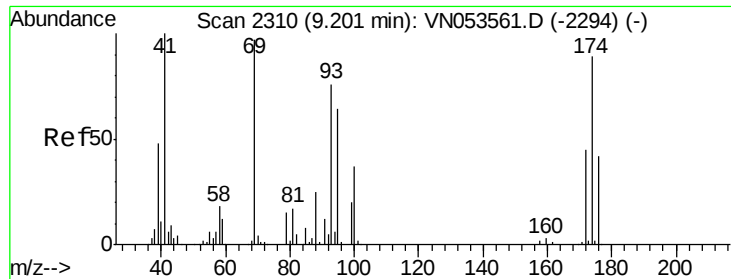
Tot Ion: 83 Resp: 525140
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.6
127 9.1 7.0 10.6



#48
Methyl methacrylate
Concen: 47.807 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 41 Resp: 245650
Ion Ratio Lower Upper
41 100
69 100.2 73.8 110.6
39 54.0 40.0 60.0

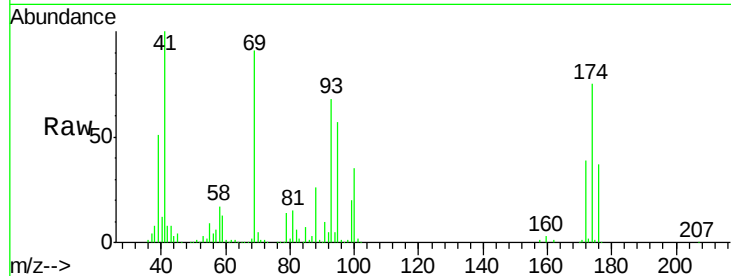




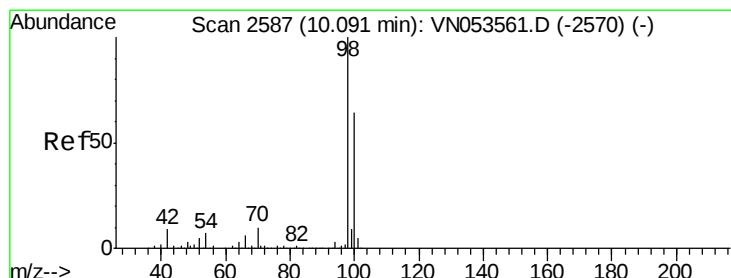
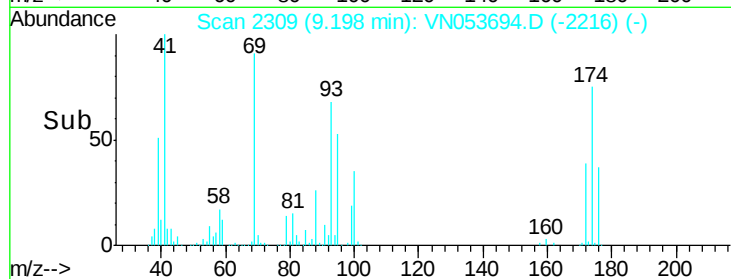
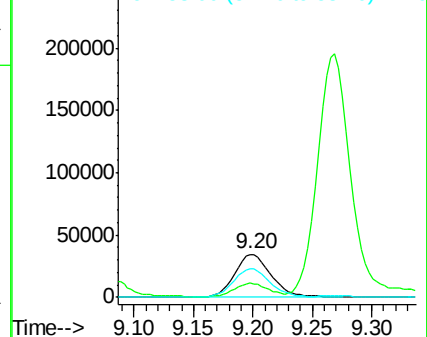
#49
1,4-Dioxane
Concen: 996.692 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 74199
Ion Ratio Lower Upper
88 100
43 28.5 27.8 41.6
58 66.5 56.5 84.7

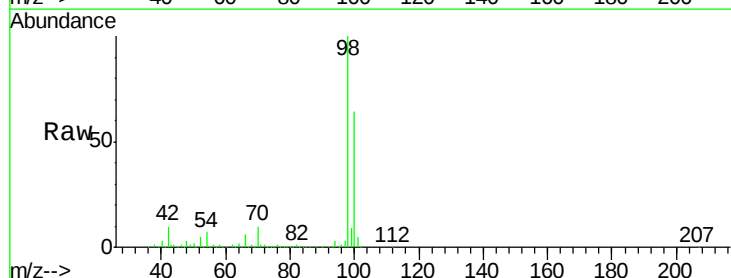


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

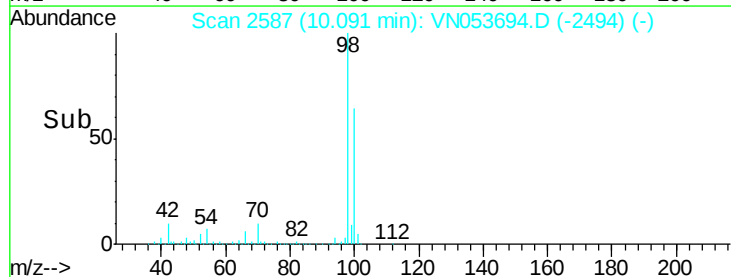
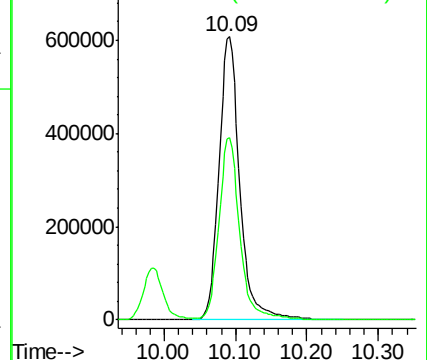


#50
Toluene-d8
Concen: 46.712 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 98 Resp: 1227009
Ion Ratio Lower Upper
98 100
100 64.8 51.4 77.0



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





#51

4-Methyl-2-Pentanone

Concen: 262.729 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

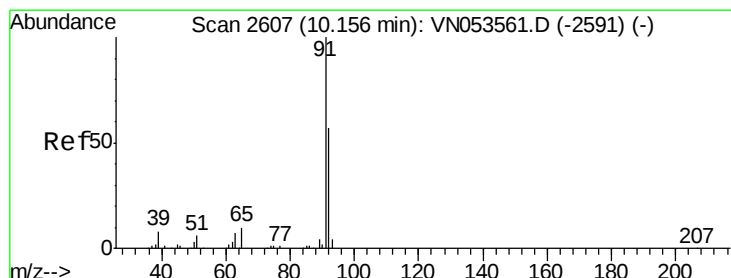
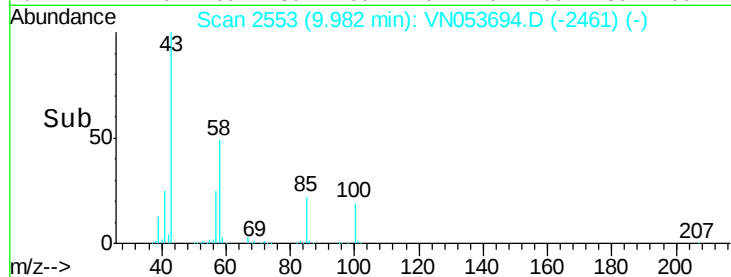
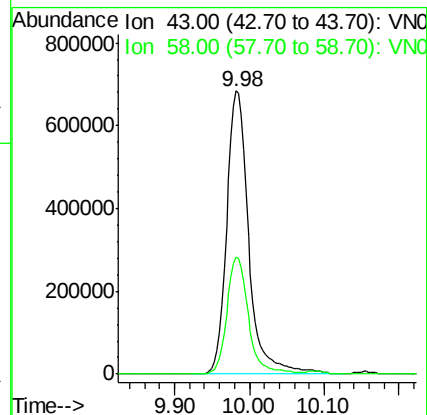
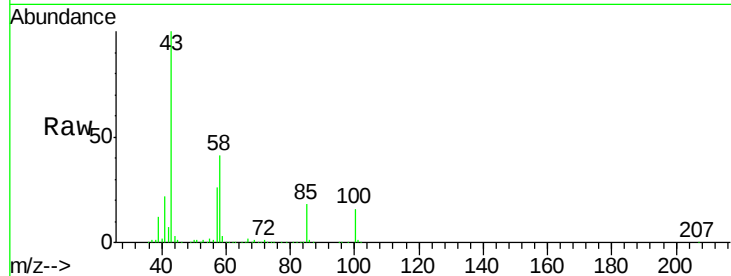
VSTDCCC050

Tot Ion: 43 Resp: 1389767

Ion Ratio Lower Upper

43 100

58 40.6 32.8 49.2



#52

Toluene

Concen: 52.686 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053694.D

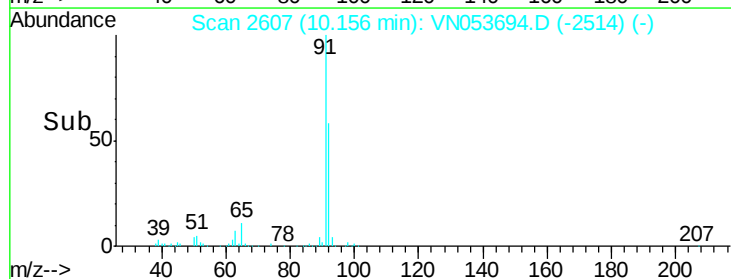
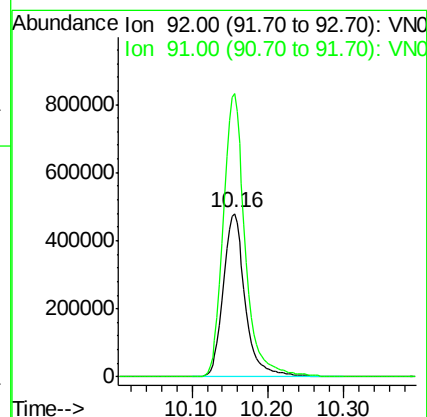
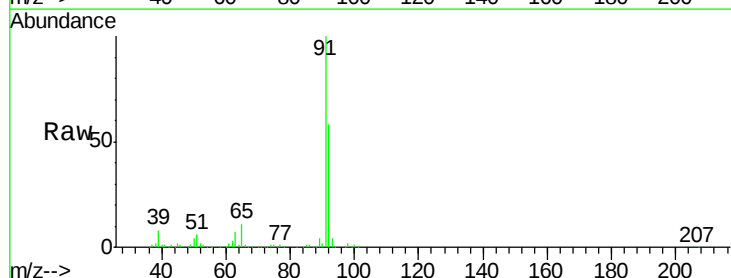
Acq: 11 Feb 2019 9:57

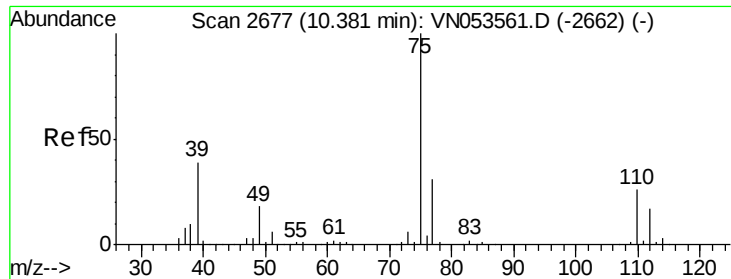
Tgt Ion: 92 Resp: 962353

Ion Ratio Lower Upper

92 100

91 173.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 52.790 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

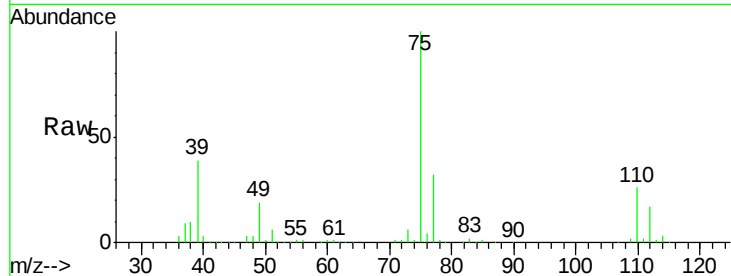
VSTDCCC050

Tot Ion: 75 Resp: 521544

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

10.38

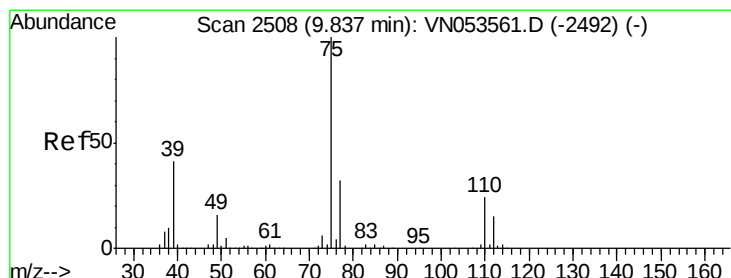
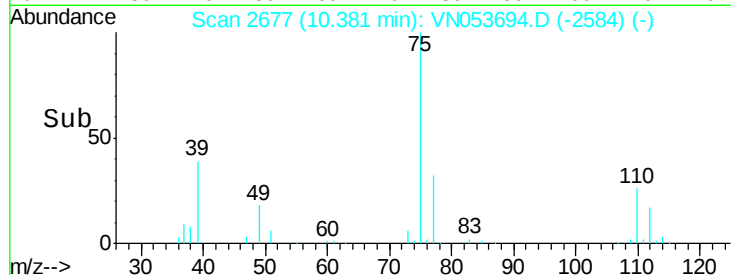
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.168 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

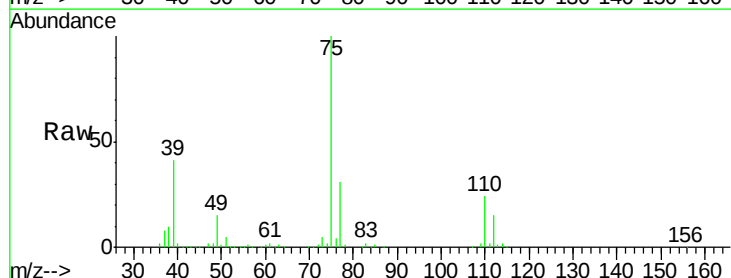
Tgt Ion: 75 Resp: 622449

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

39 40.5 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.84

400000

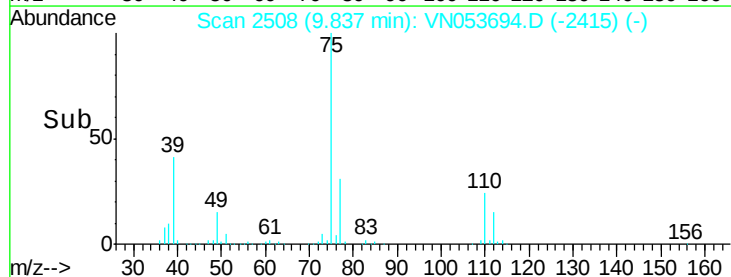
300000

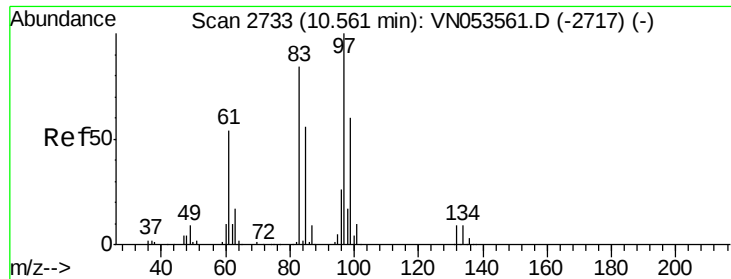
200000

100000

0

Time-->

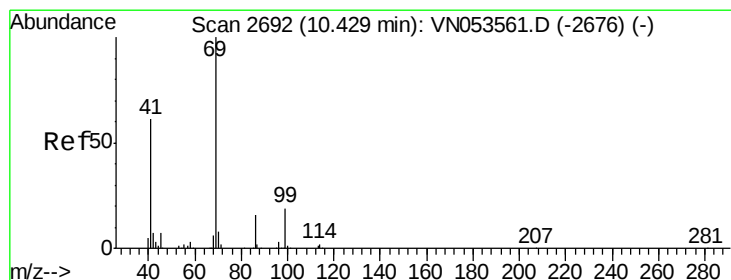
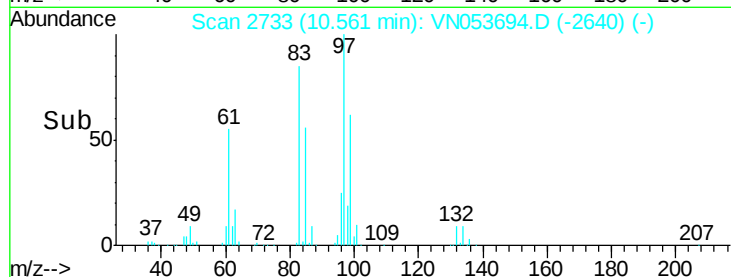
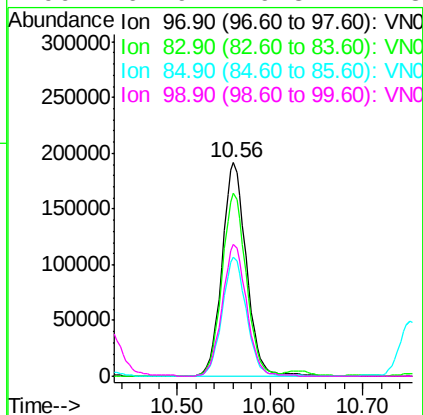
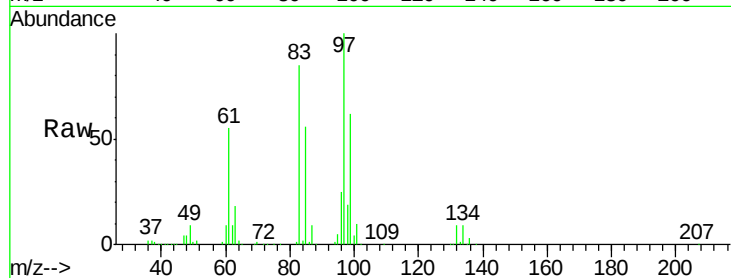




#55
 1,1,2-Trichloroethane
 Concen: 52.937 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

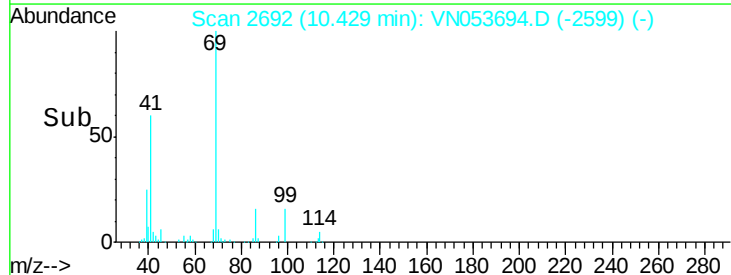
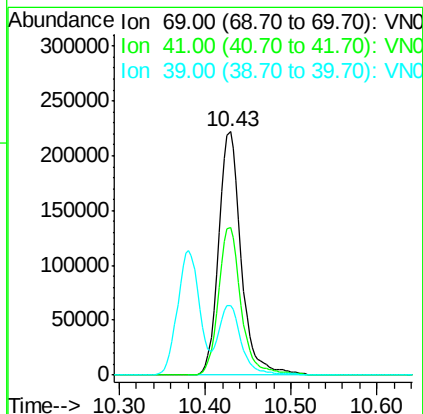
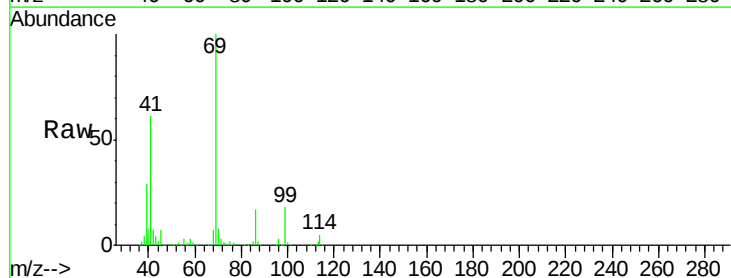
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

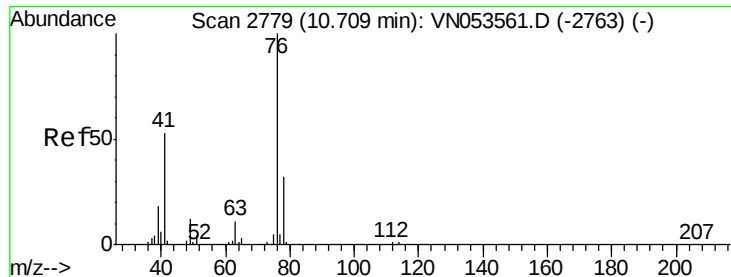
Tot Ion: 97 Resp: 348423
 Ion Ratio Lower Upper
 97 100
 83 85.4 70.1 105.1
 85 56.0 45.4 68.0
 99 61.9 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 52.041 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 69 Resp: 405211
 Ion Ratio Lower Upper
 69 100
 41 60.3 49.4 74.0
 39 28.9 23.3 34.9

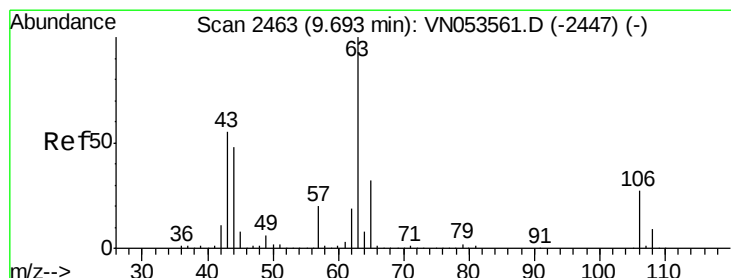
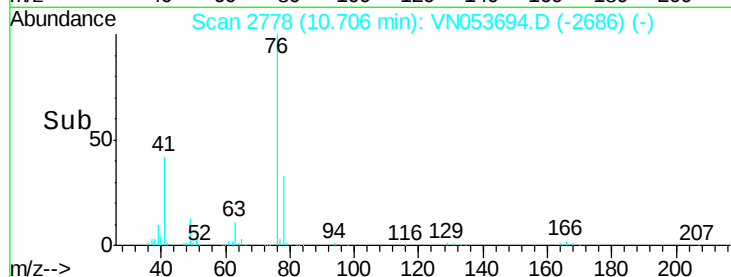
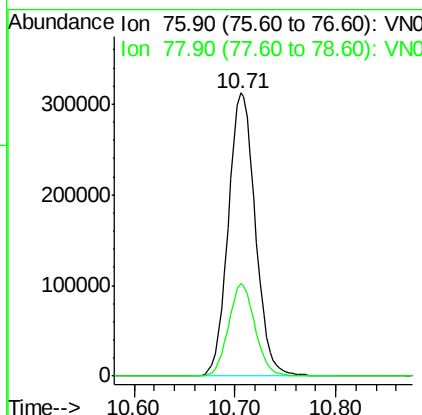
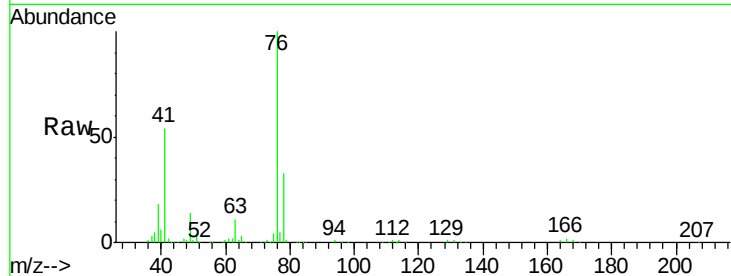




#57
 1,3-Dichloropropane
 Concen: 51.925 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

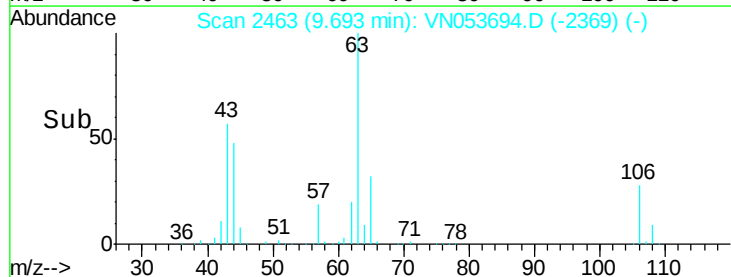
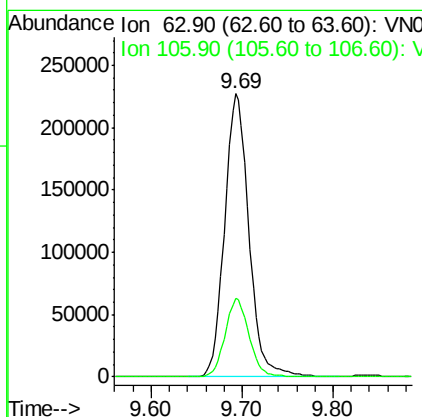
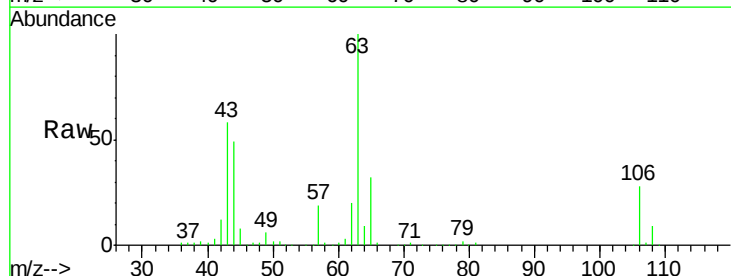
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

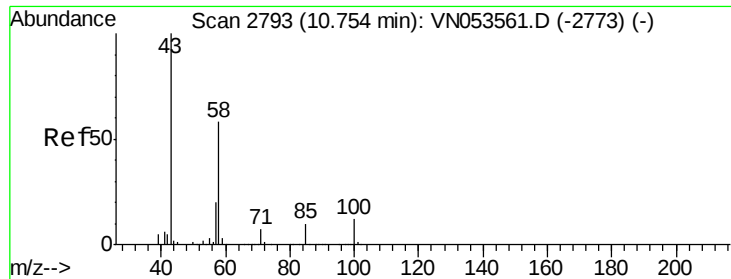
Tot Ion: 76 Resp: 584099
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.781 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 63 Resp: 422907
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

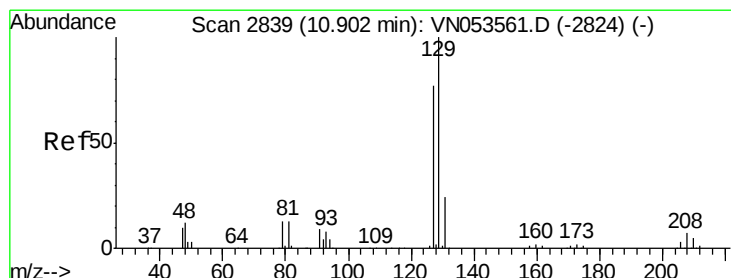
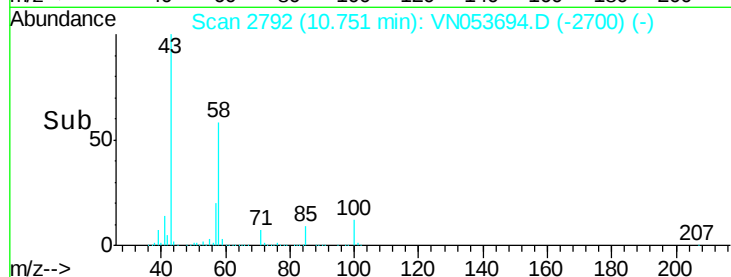
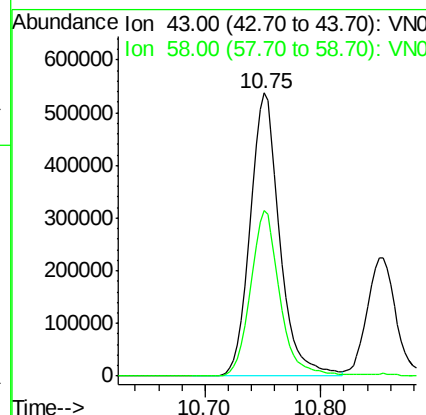
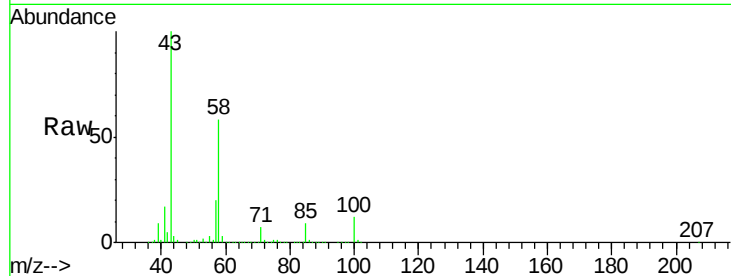




#59
2-Hexanone
Concen: 265.591 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

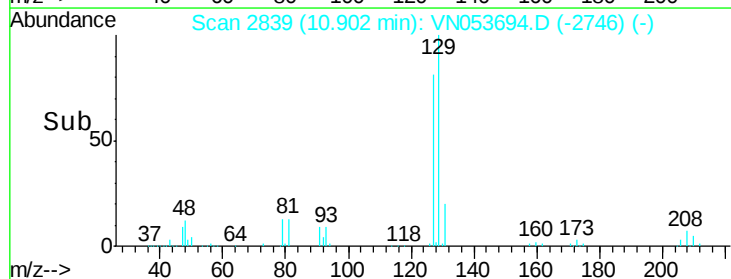
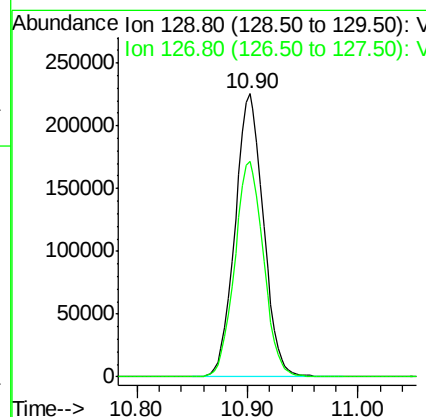
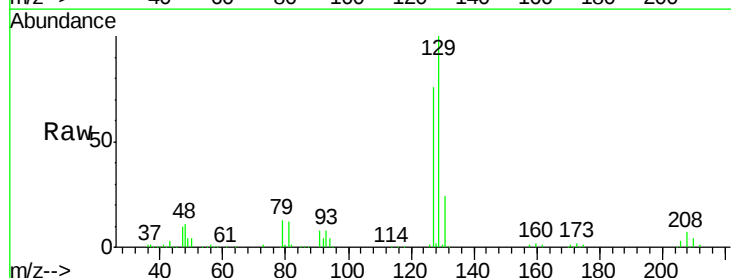
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

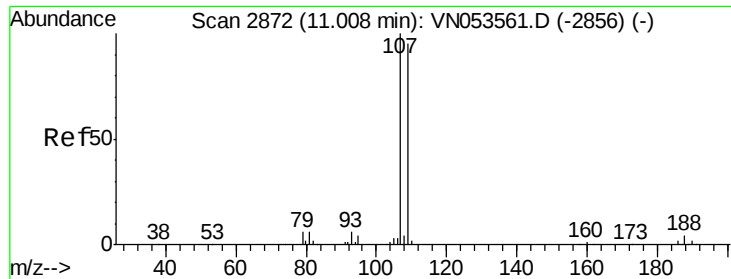
Tot Ion: 43 Resp: 953751
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 54.207 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 129 Resp: 402333
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8

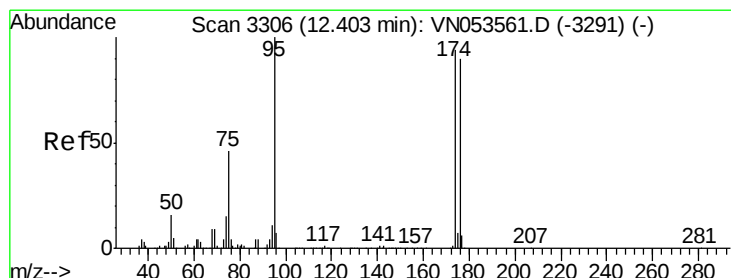
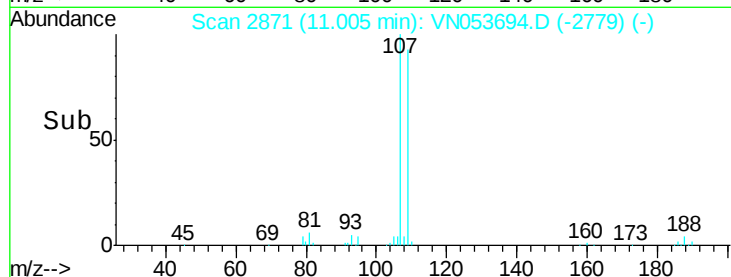
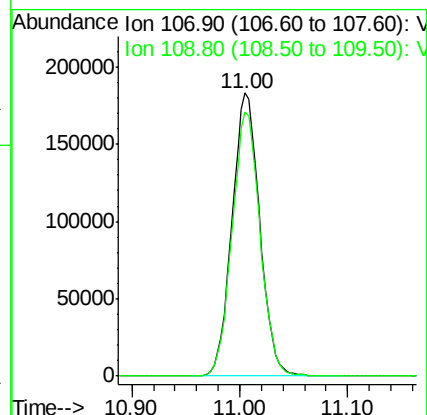
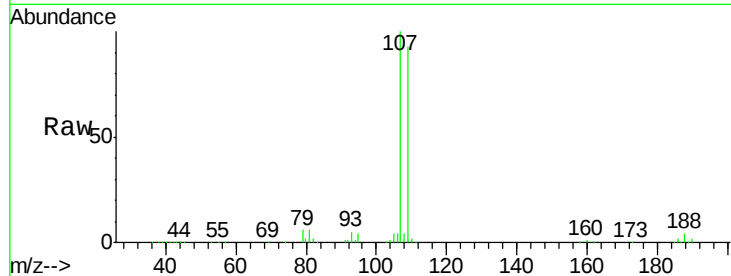




#61
 1,2-Dibromoethane
 Concen: 50.337 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

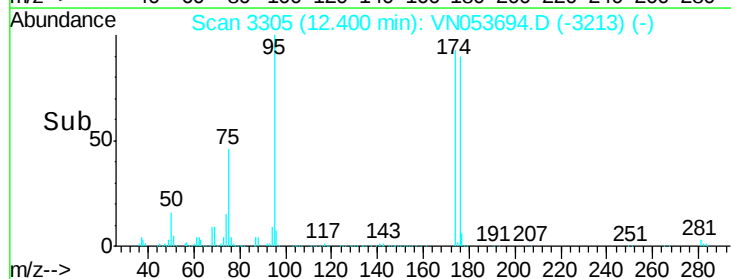
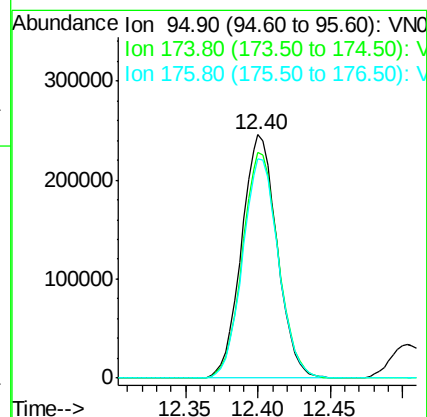
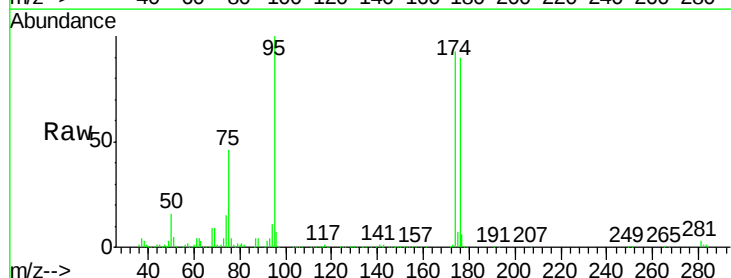
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 327921
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.711 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 95 Resp: 417980
 Ion Ratio Lower Upper
 95 100
 174 93.4 0.0 183.2
 176 90.8 0.0 177.4

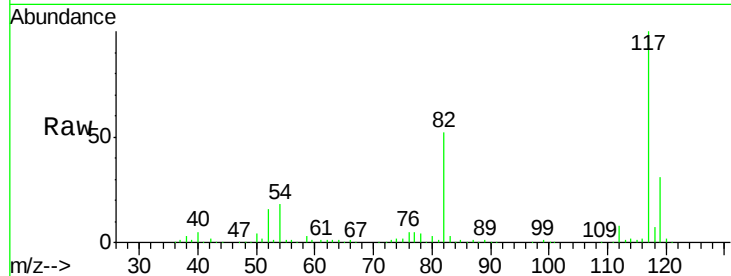




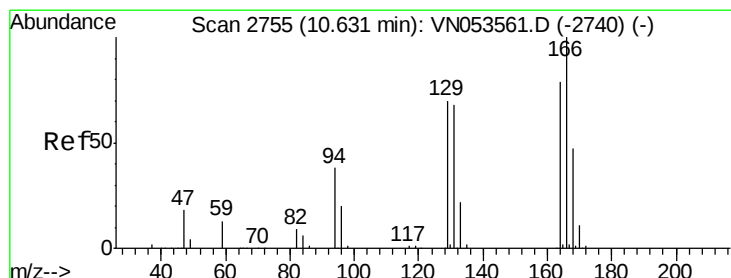
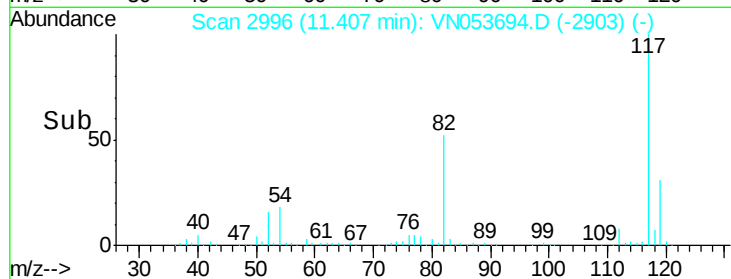
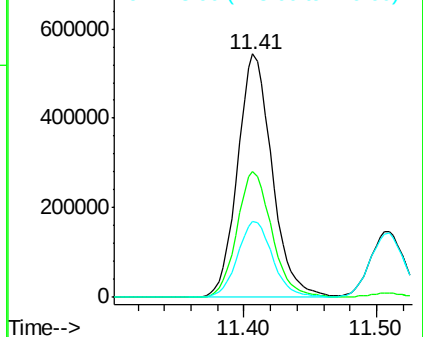
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 987103
Ion Ratio Lower Upper
117 100
82 51.6 42.9 64.3
119 31.1 26.0 39.0

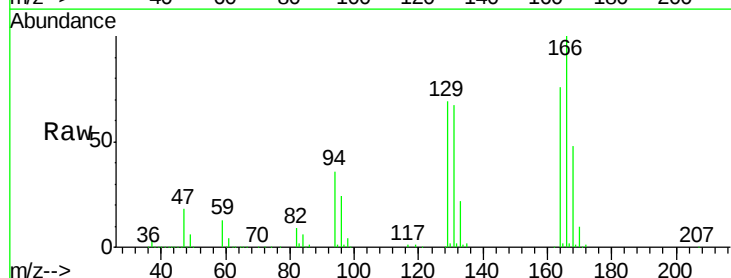


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

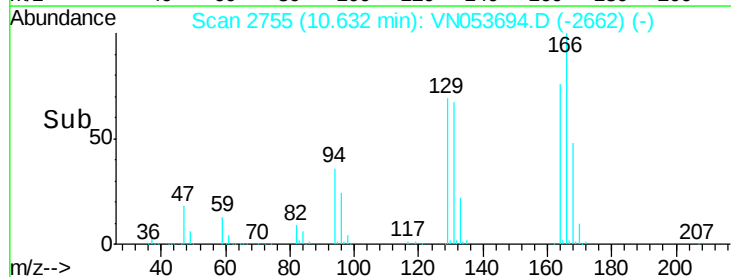
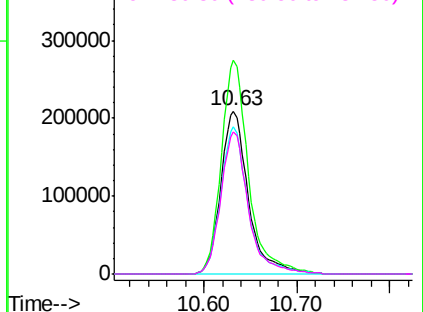


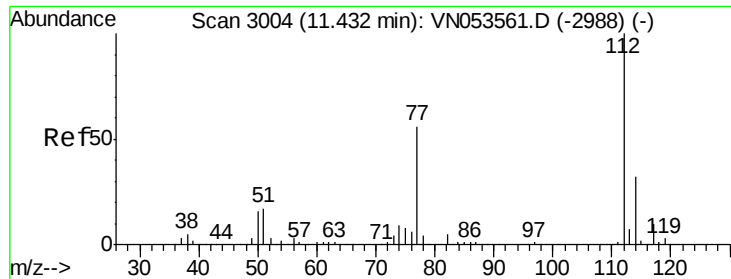
#64
Tetrachloroethene
Concen: 51.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion:164 Resp: 432708
Ion Ratio Lower Upper
164 100
166 131.2 102.2 153.4
129 90.5 72.6 109.0
131 87.5 69.5 104.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

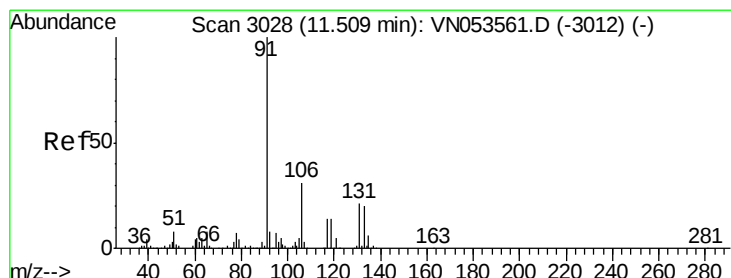
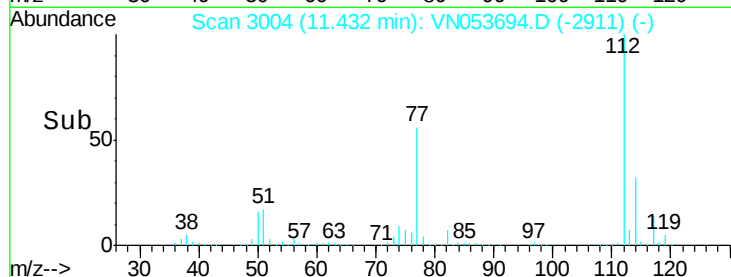
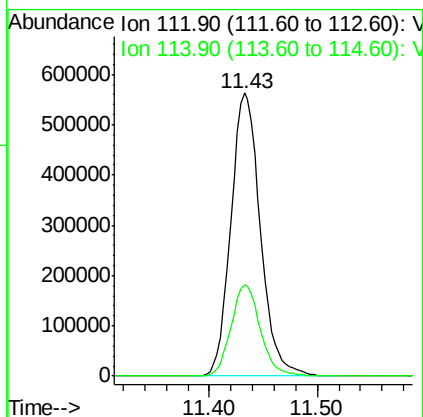
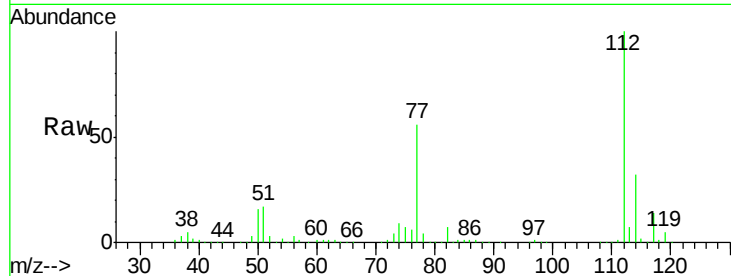




#65
Chlorobenzene
Concen: 51.090 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

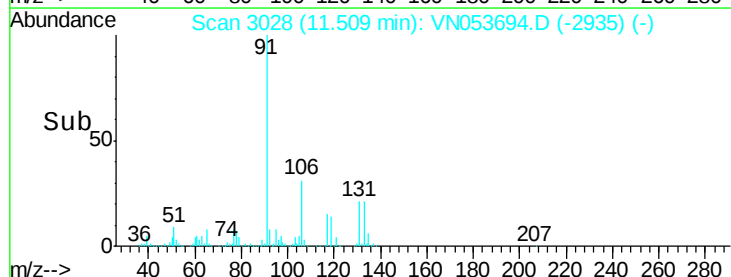
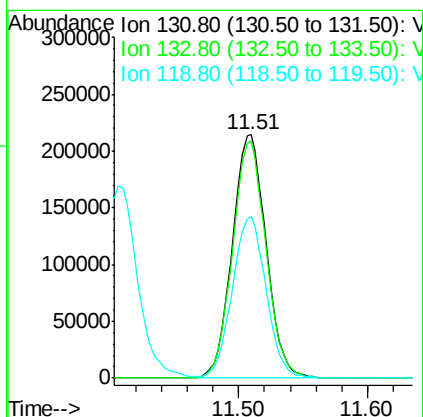
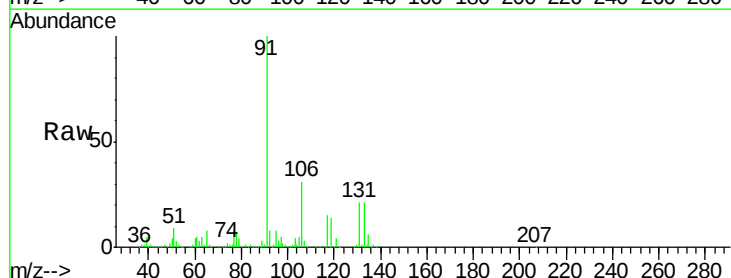
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

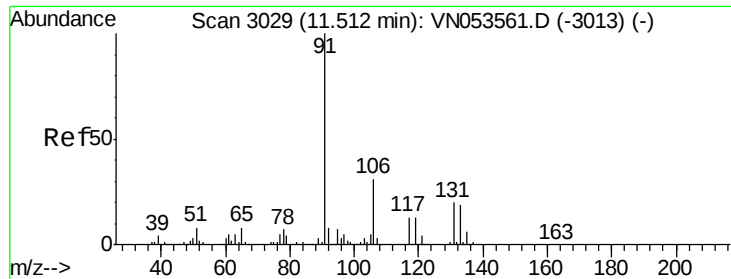
Tot Ion:112 Resp: 1071206
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.123 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion:131 Resp: 388997
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.6 33.5 100.5

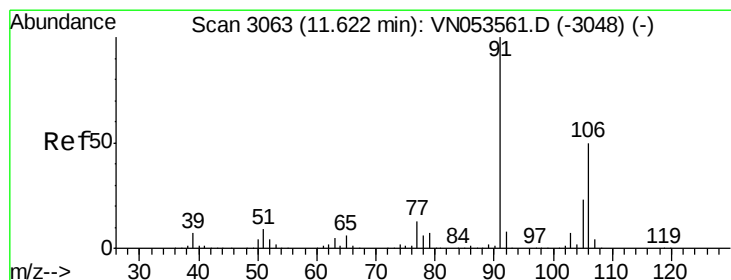
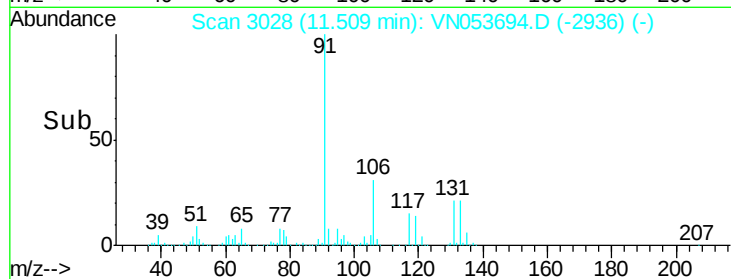
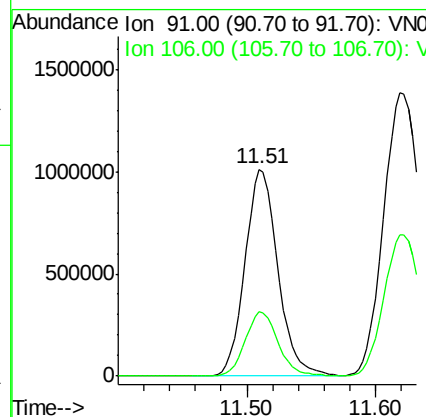
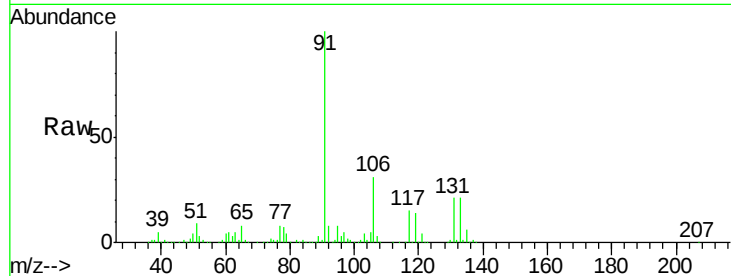




#67
Ethyl Benzene
Concen: 52.224 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

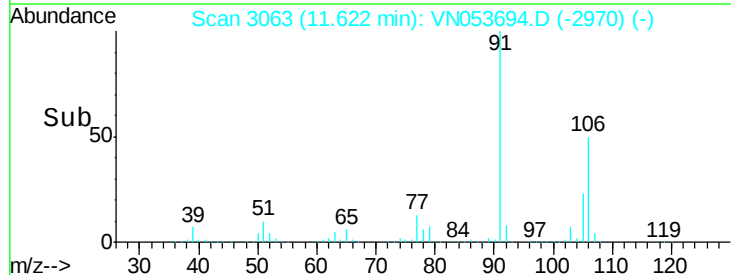
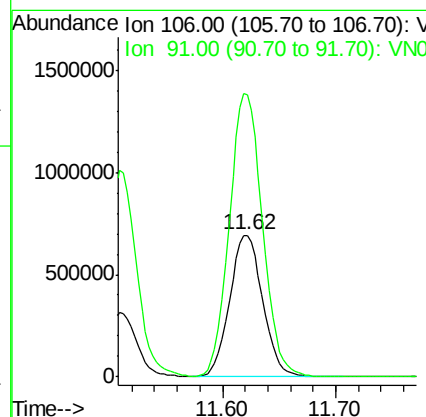
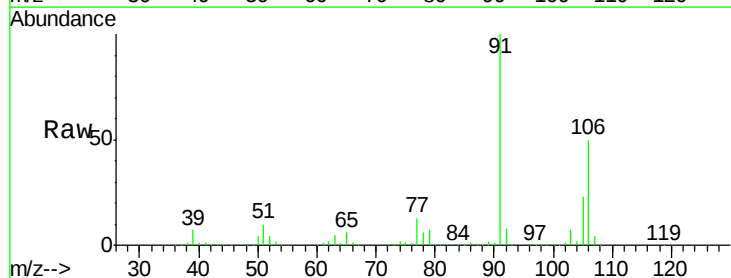
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

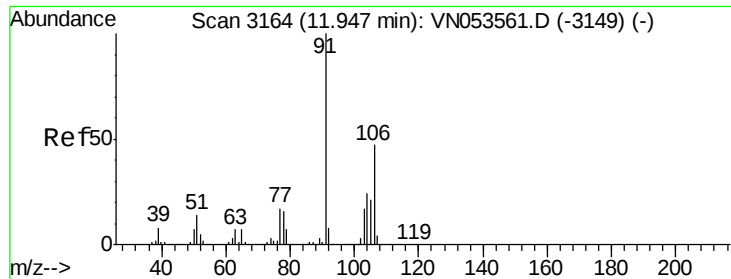
Tot Ion: 91 Resp: 1798742
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6



#68
m/p-Xylenes
Concen: 106.809 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 106 Resp: 1404052
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2

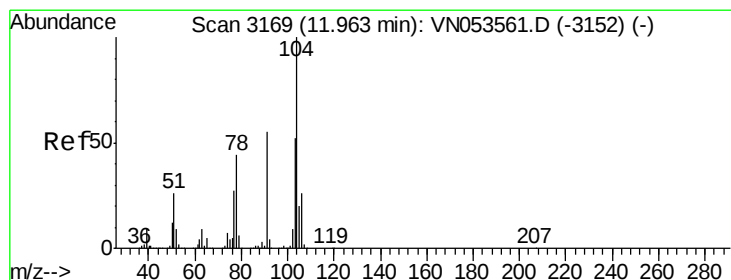
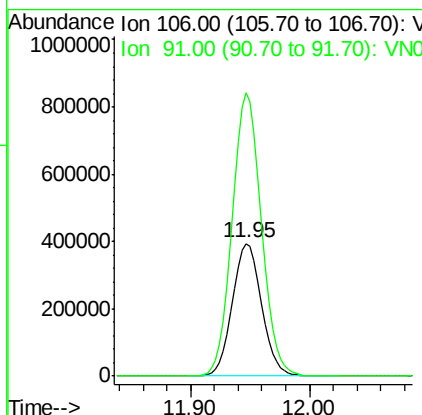
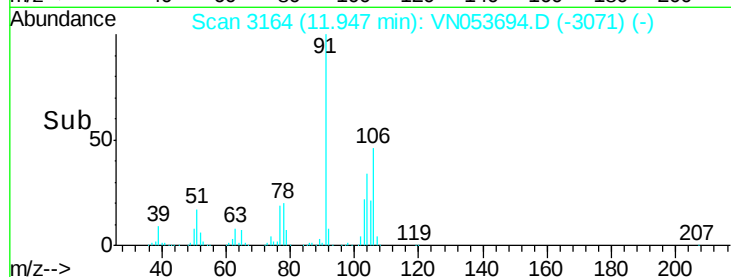
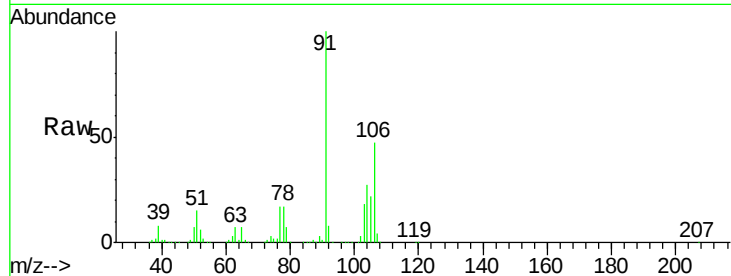




#69
o-Xylene
Concen: 53.052 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

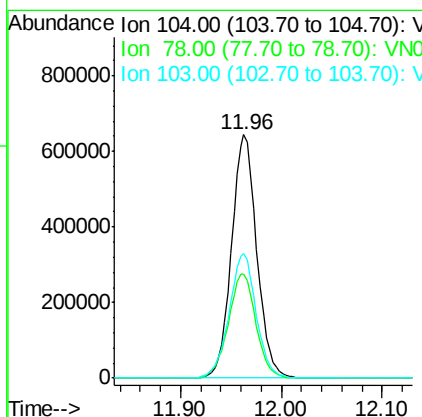
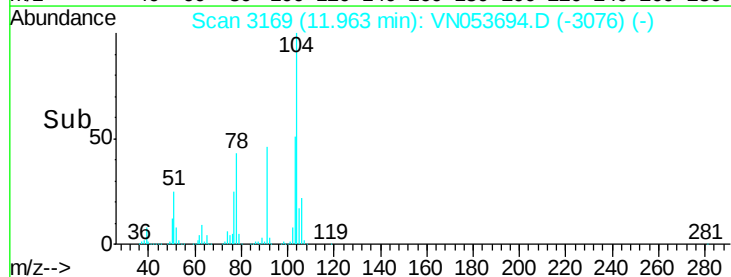
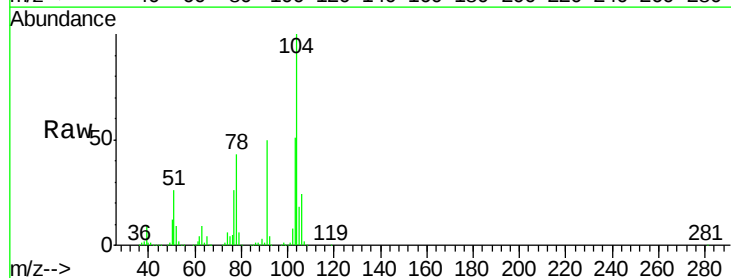
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

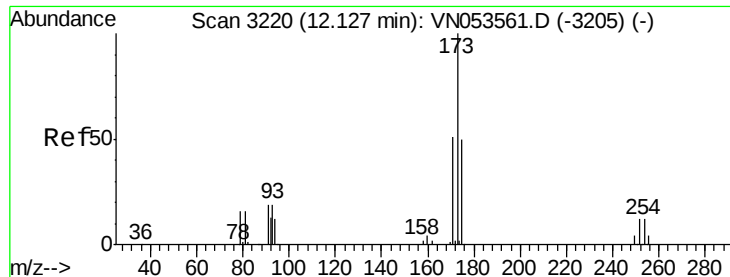
Tot Ion:106 Resp: 673746
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8



#70
Styrene
Concen: 54.415 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion:104 Resp: 1120084
Ion Ratio Lower Upper
104 100
78 47.0 38.2 57.2
103 54.8 44.4 66.6





#71

Bromoform

Concen: 54.645 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

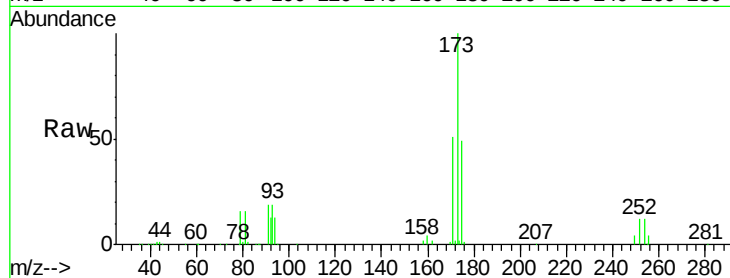
Tot Ion:173 Resp: 274327

Ion Ratio Lower Upper

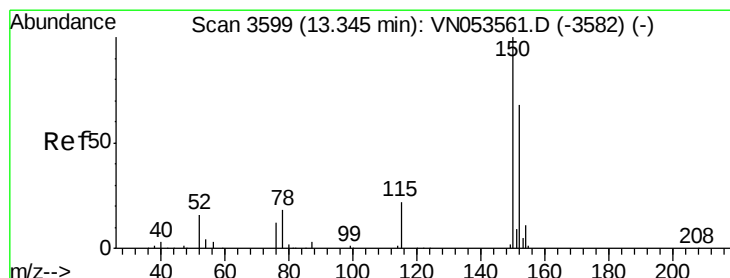
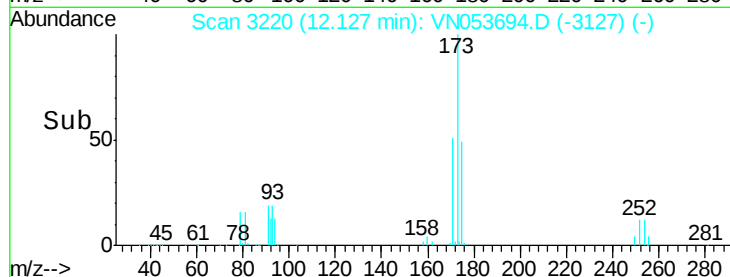
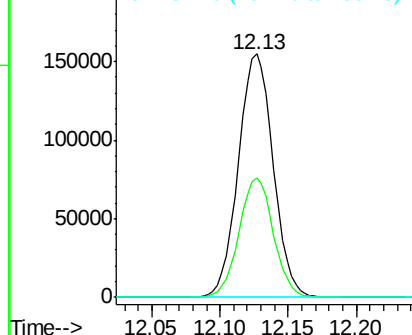
173 100

175 48.4 24.6 74.0

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

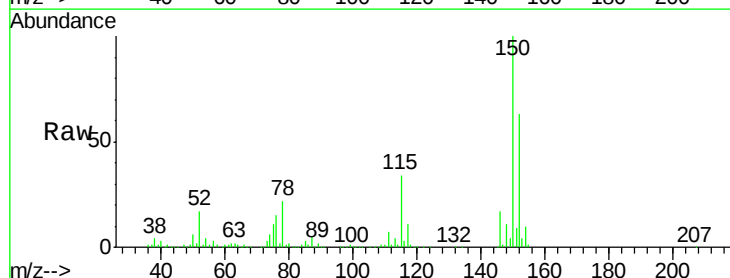
Tgt Ion:152 Resp: 494401

Ion Ratio Lower Upper

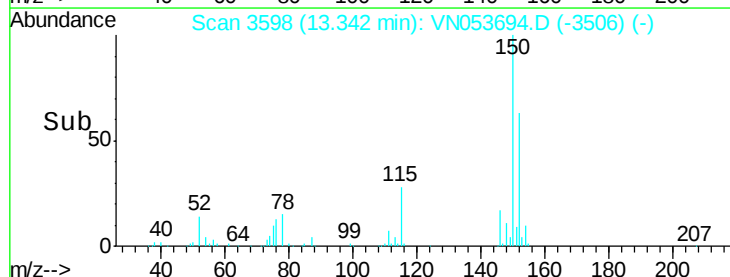
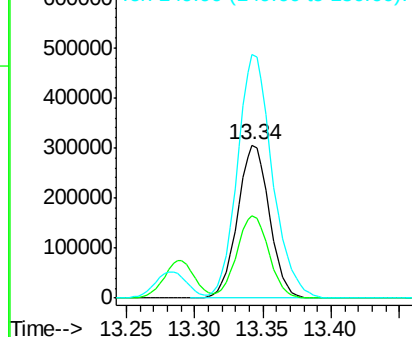
152 100

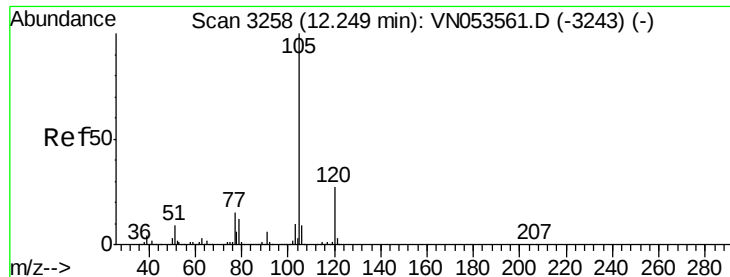
115 54.4 27.8 83.4

150 175.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 50.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

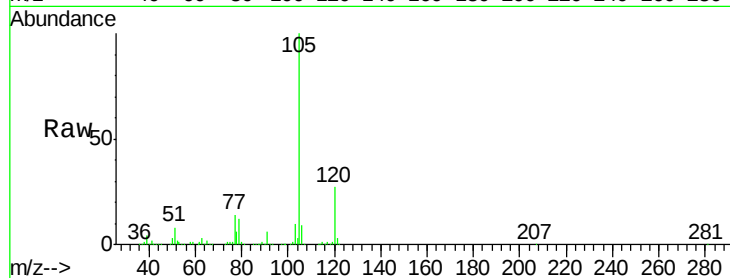
VSTDCCC050

Tot Ion:105 Resp: 1766790

Ion Ratio Lower Upper

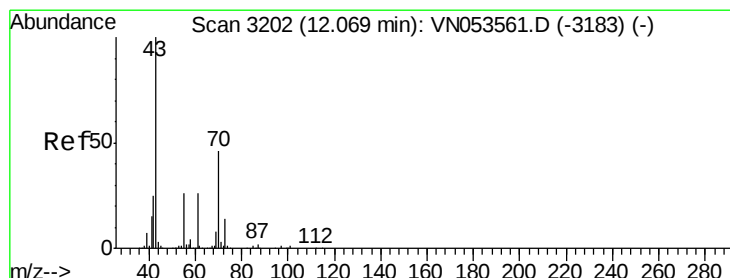
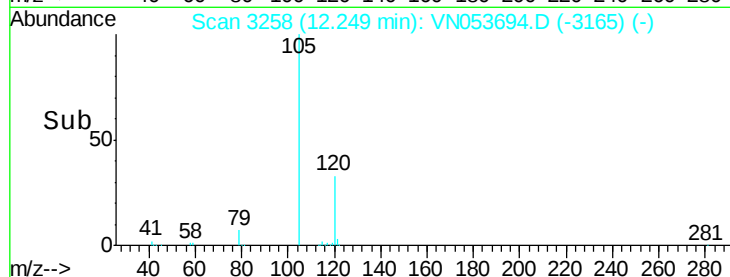
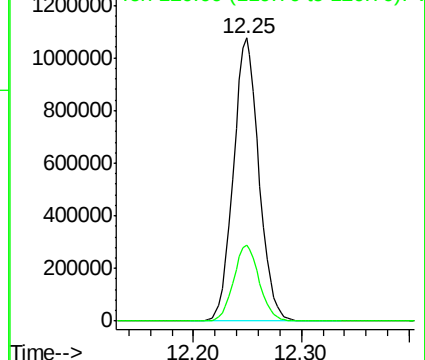
105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.967 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion: 43 Resp: 409243

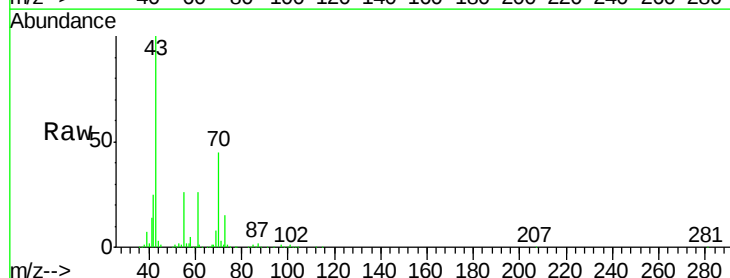
Ion Ratio Lower Upper

43 100

70 45.1 35.4 53.2

55 26.3 20.9 31.3

61 26.1 20.5 30.7

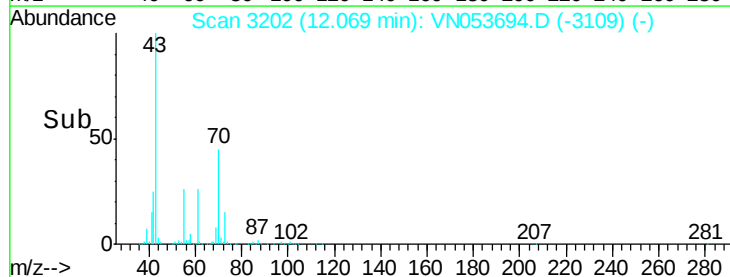
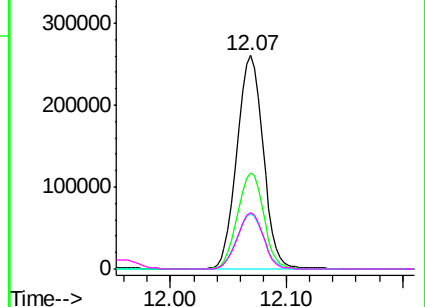


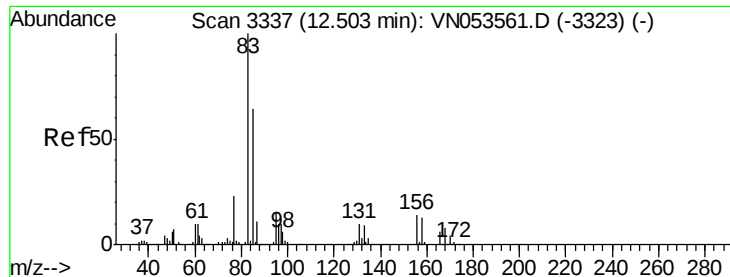
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

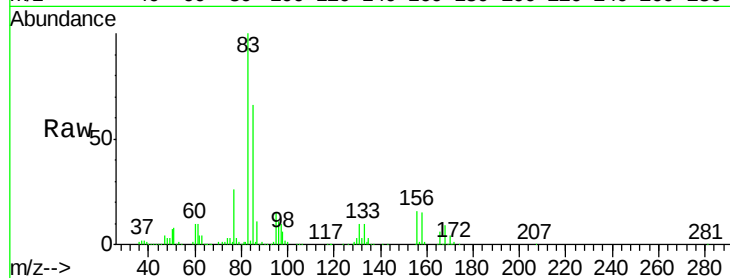
Tot Ion: 83 Resp: 385324

Ion Ratio Lower Upper

83 100

131 10.9 5.3 15.8

85 65.5 32.1 96.3

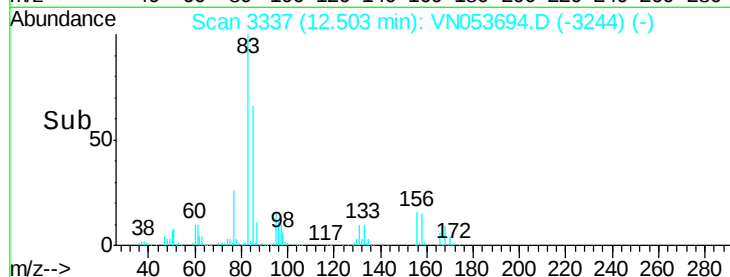


Abundance Ion 82.90 (82.60 to 83.60): VN053561.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN053561.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN053561.D (-3323) (-)

Time-->

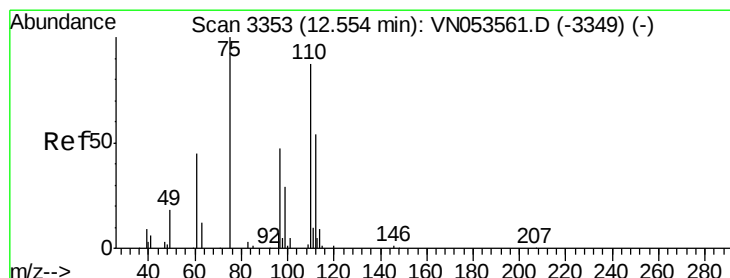


Abundance Ion 82.90 (82.60 to 83.60): VN053694.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053694.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053694.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 77.592 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053694.D

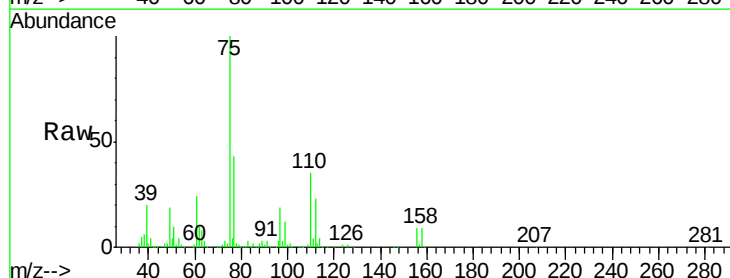
Acq: 11 Feb 2019 9:57

Tgt Ion: 75 Resp: 492730

Ion Ratio Lower Upper

75 100

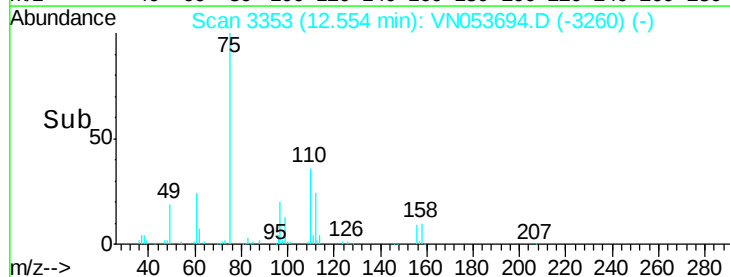
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053561.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-3349) (-)

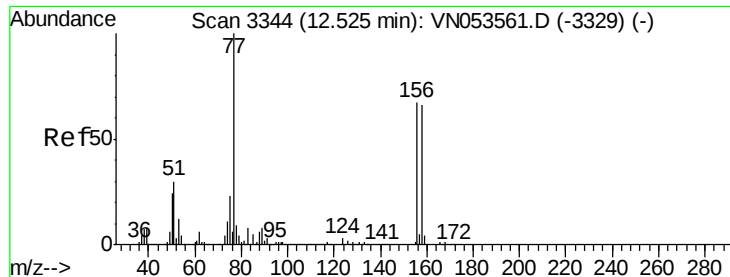
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN053694.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053694.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 49.536 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

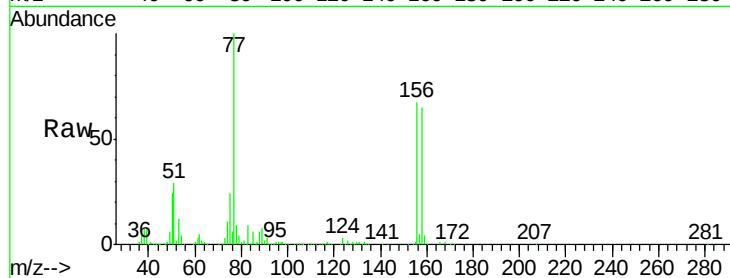
Tot Ion:156 Resp: 463997

Ion Ratio Lower Upper

156 100

77 174.1 87.9 263.8

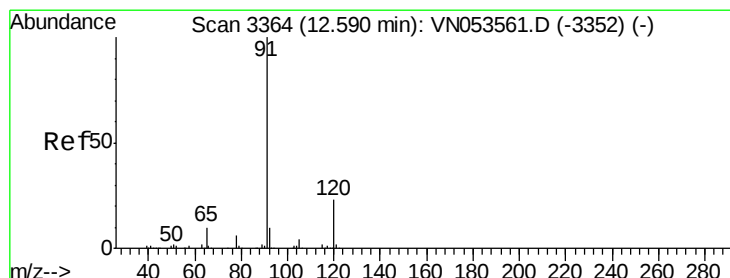
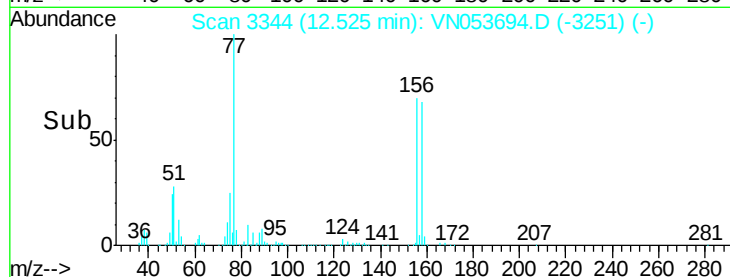
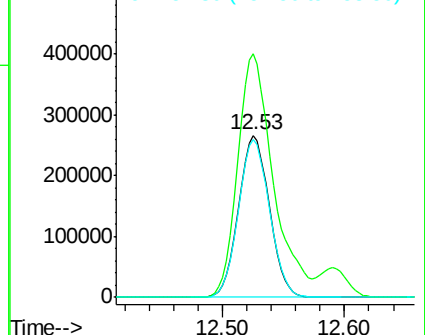
158 98.3 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.097 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053694.D

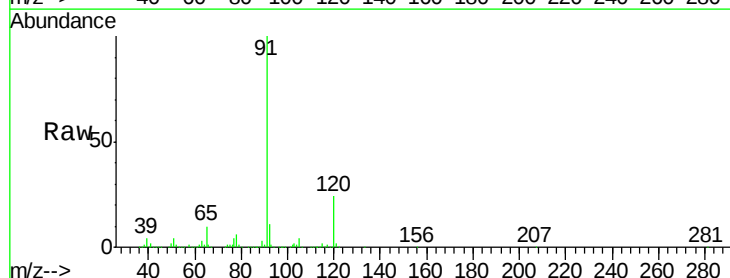
Acq: 11 Feb 2019 9:57

Tgt Ion: 91 Resp: 2093137

Ion Ratio Lower Upper

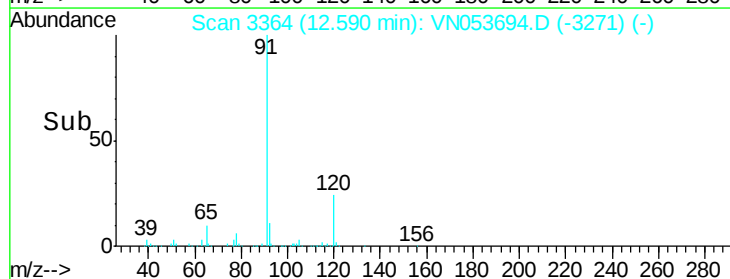
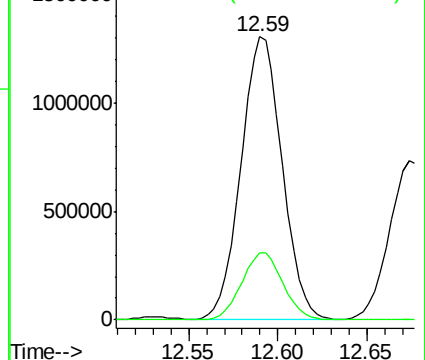
91 100

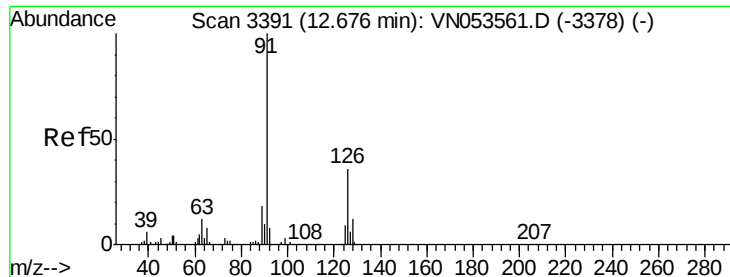
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

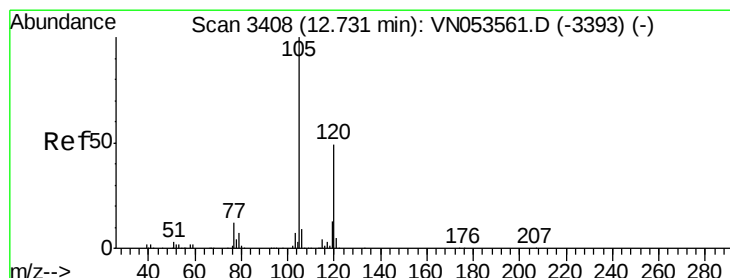
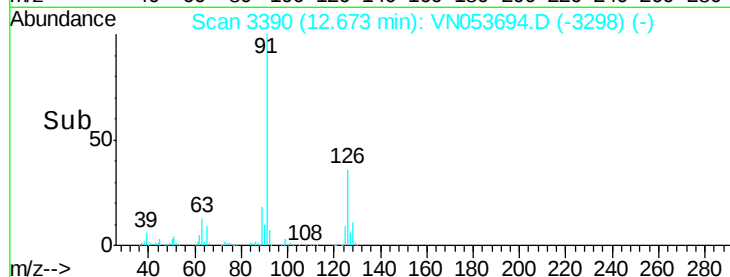
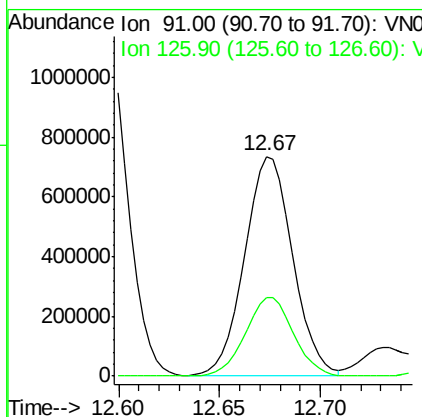
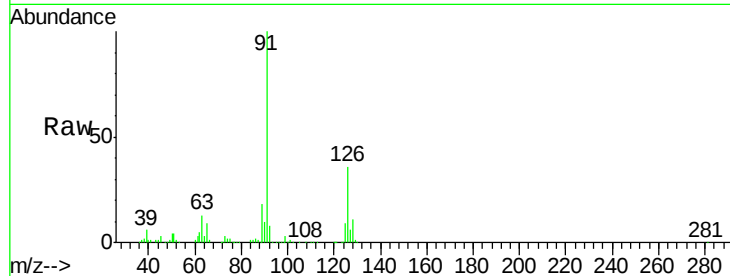




#79
 2-Chlorotoluene
 Concen: 51.263 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

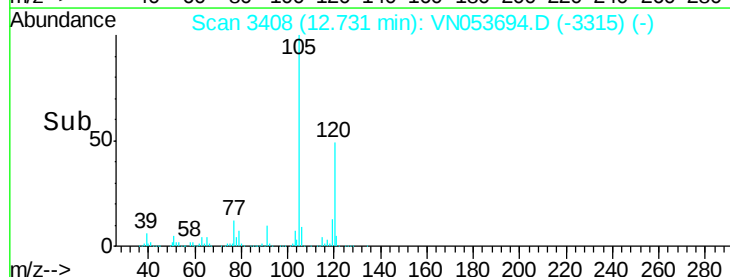
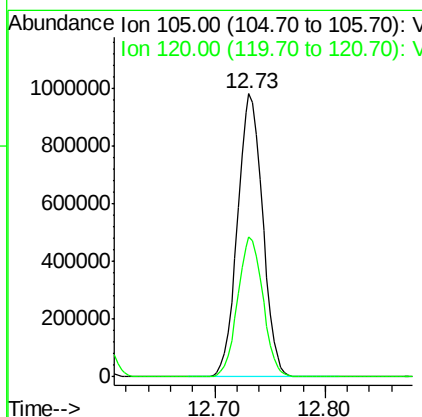
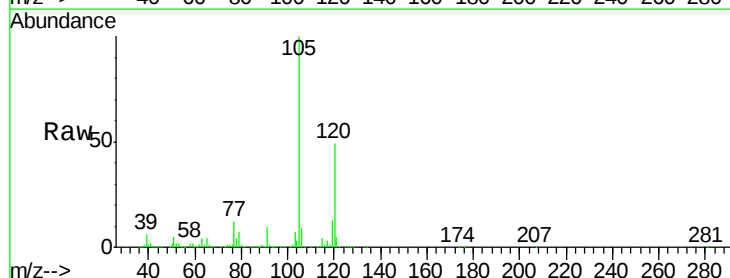
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

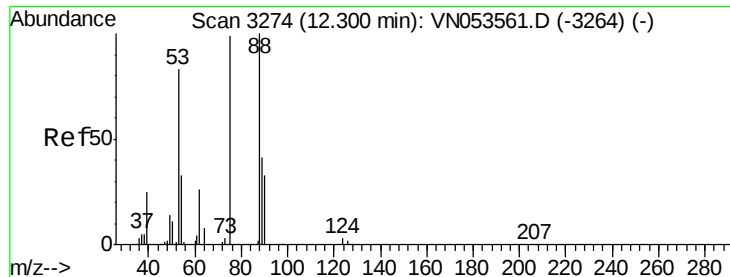
Tot Ion: 91 Resp: 1221939
 Ion Ratio Lower Upper
 91 100
 126 35.9 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 53.778 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 105 Resp: 1549942
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 50.288 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

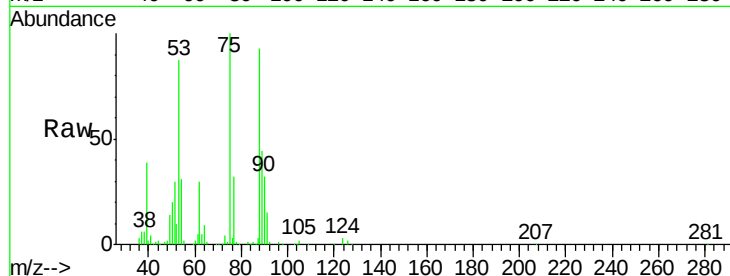
Tot Ion: 75 Resp: 113567

Ion Ratio Lower Upper

75 100

53 86.9 69.8 104.6

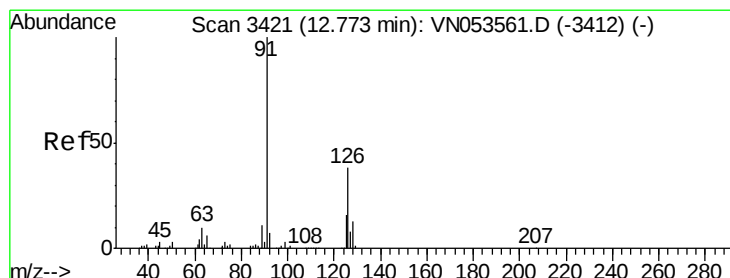
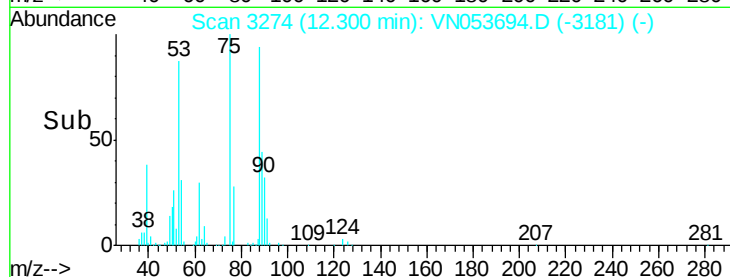
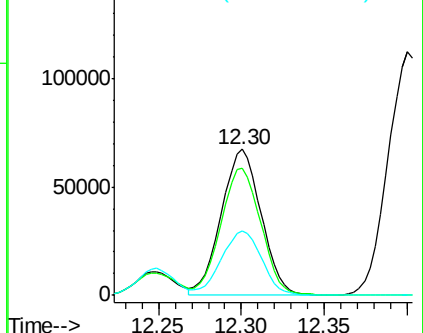
89 44.1 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.205 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053694.D

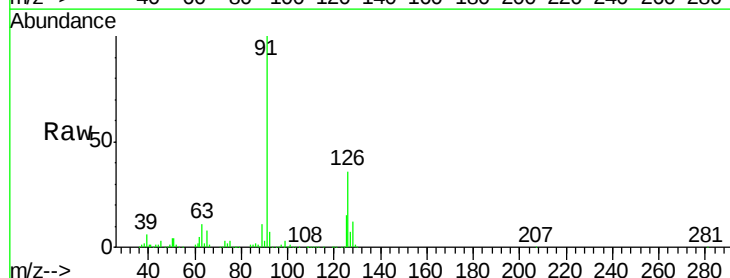
Acq: 11 Feb 2019 9:57

Tgt Ion: 91 Resp: 1252463

Ion Ratio Lower Upper

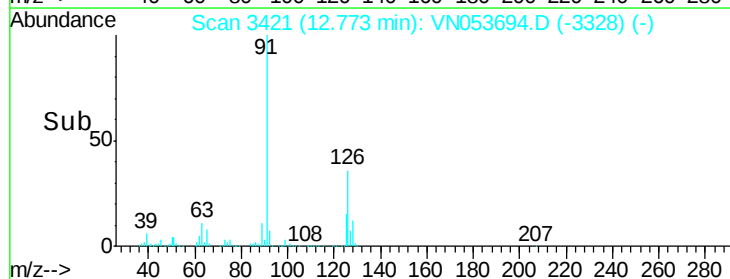
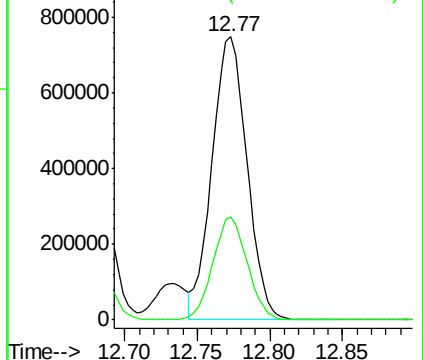
91 100

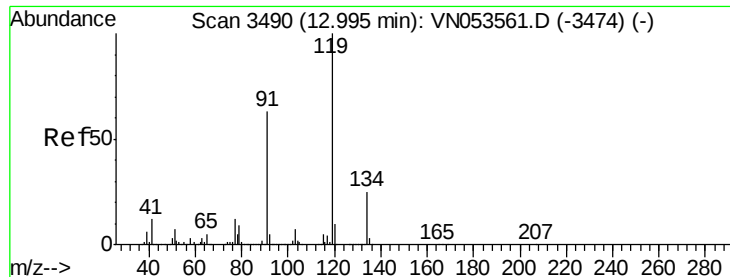
126 35.7 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 51.313 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

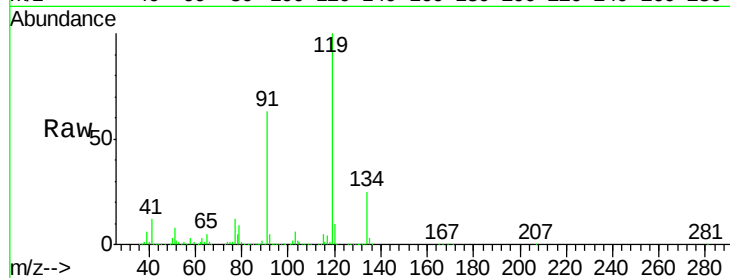
Tot Ion:119 Resp: 1307068

Ion Ratio Lower Upper

119 100

91 62.8 31.3 93.8

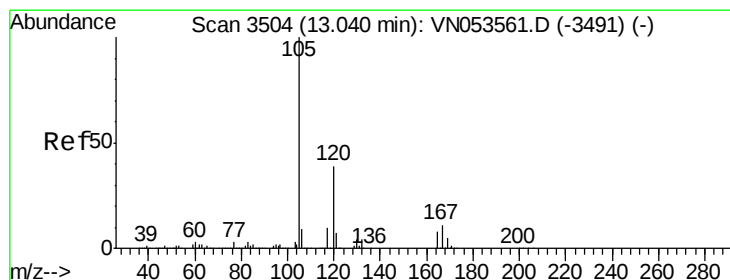
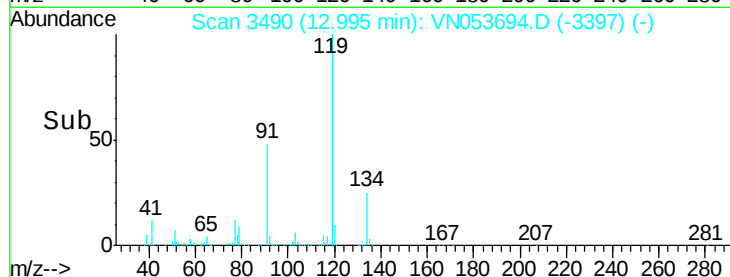
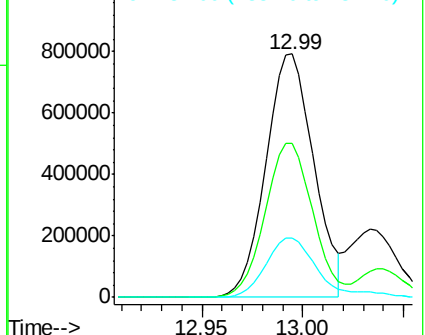
134 26.6 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 53.464 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053694.D

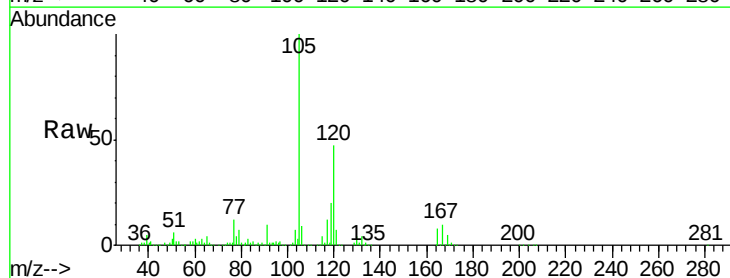
Acq: 11 Feb 2019 9:57

Tgt Ion:105 Resp: 1569875

Ion Ratio Lower Upper

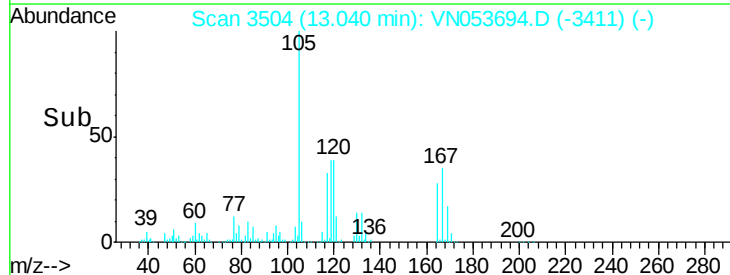
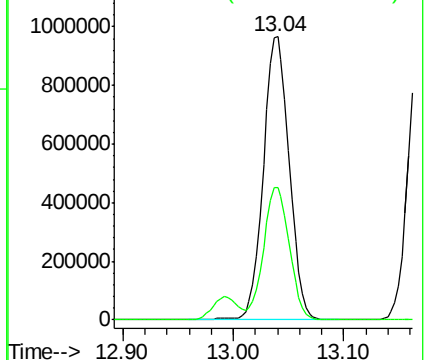
105 100

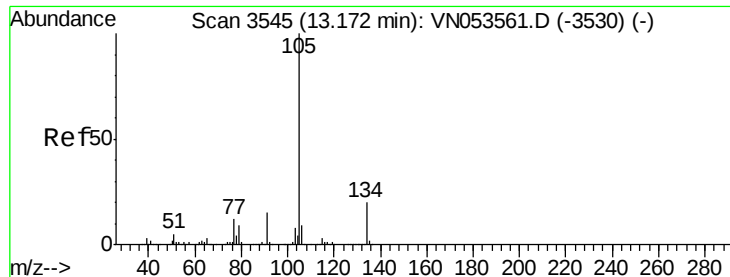
120 46.6 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.129 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

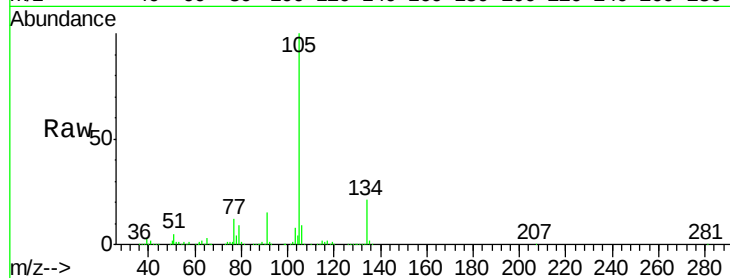
VSTDCCC050

Tot Ion:105 Resp: 1841633

Ion Ratio Lower Upper

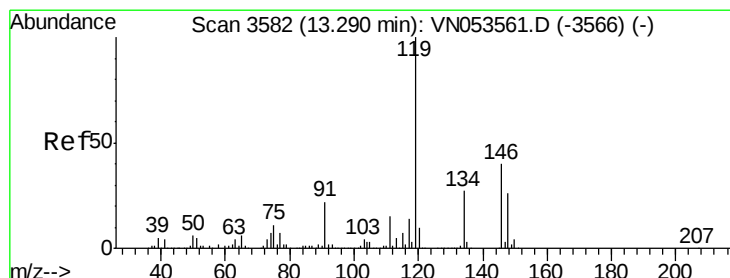
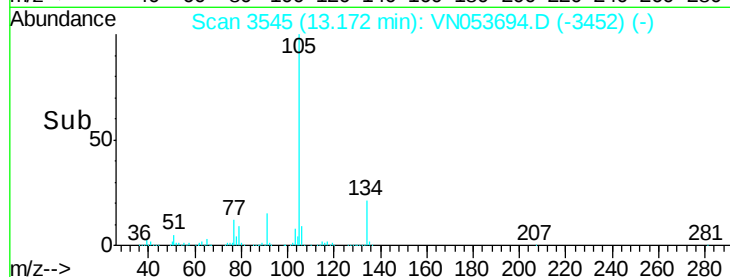
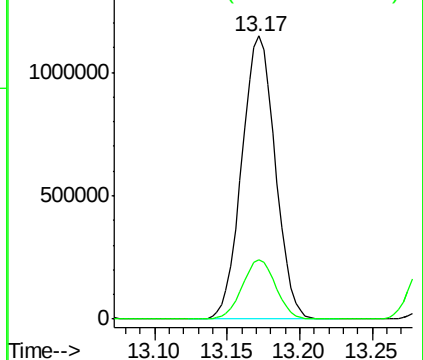
105 100

134 20.9 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.449 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

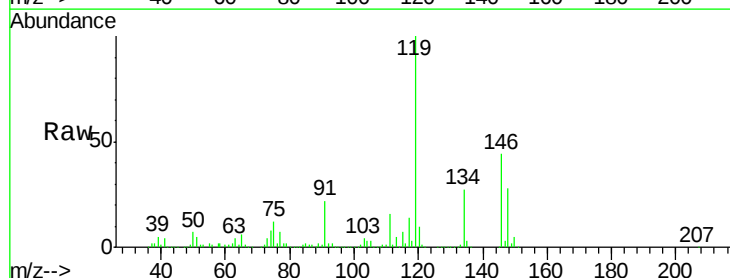
Tgt Ion:119 Resp: 1650698

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

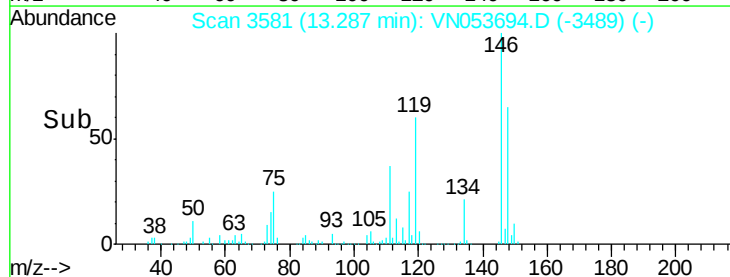
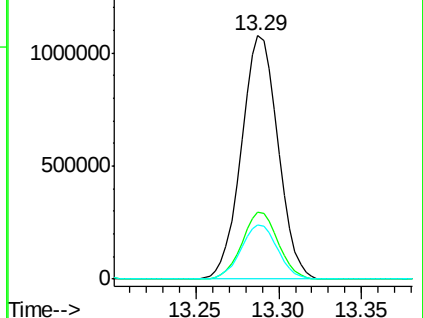
91 22.1 11.0 33.0

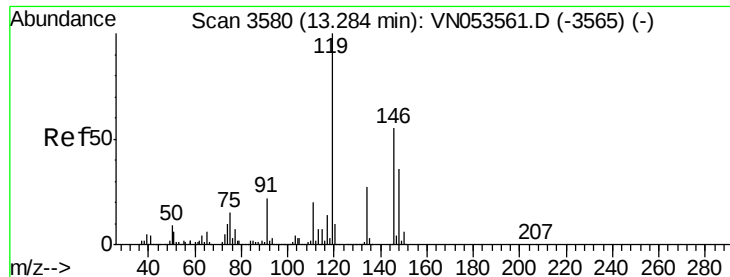


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

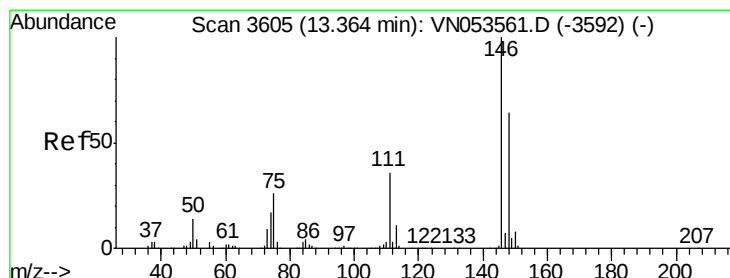
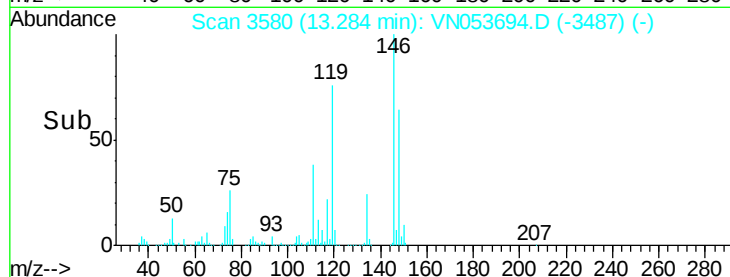
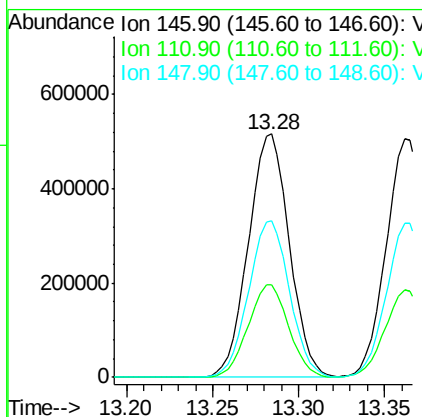
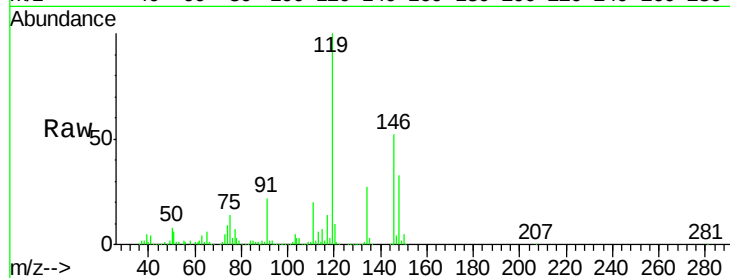




#87
 1,3-Dichlorobenzene
 Concen: 50.707 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

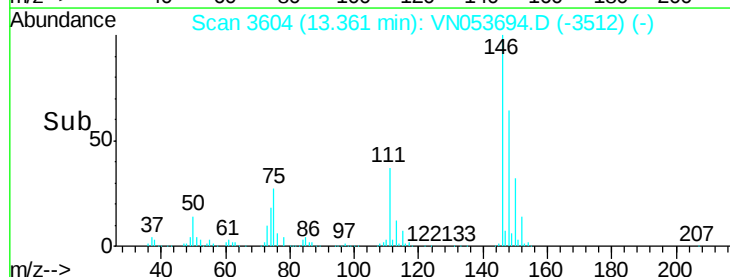
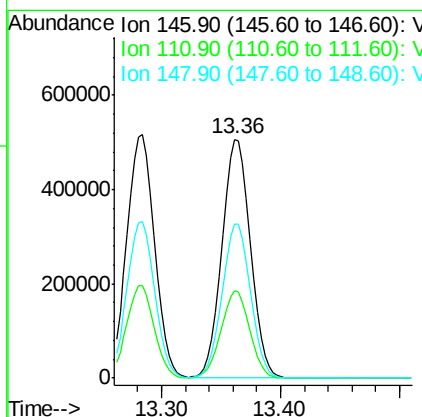
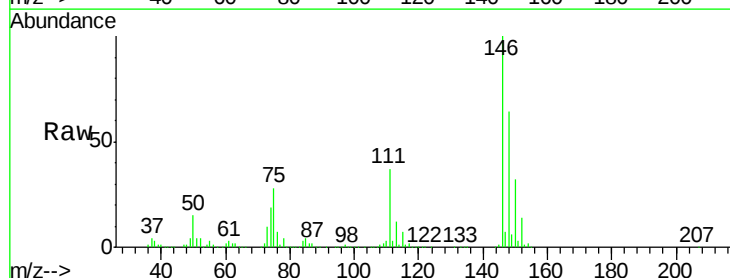
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

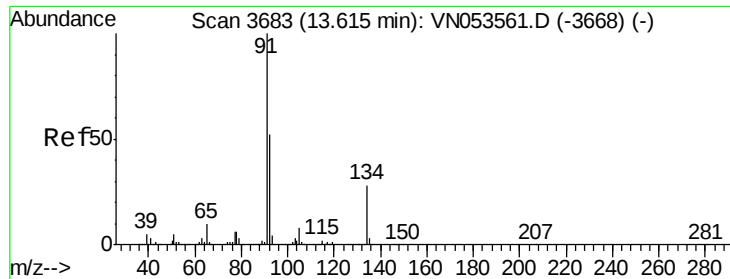
Tot Ion:146 Resp: 853825
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.487 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion:146 Resp: 840926
 Ion Ratio Lower Upper
 146 100
 111 36.5 18.6 55.8
 148 64.4 32.4 97.0

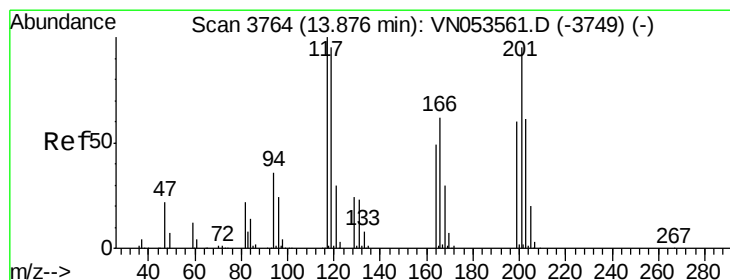
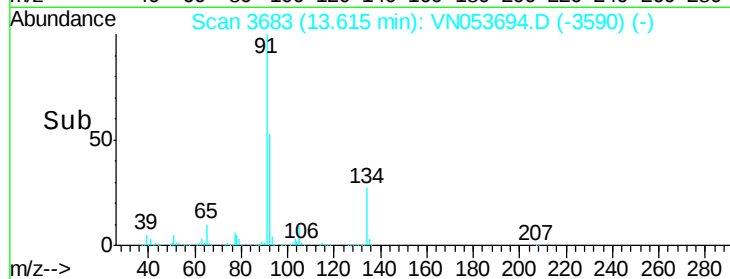
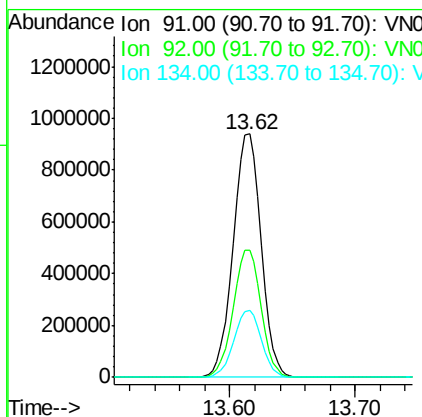
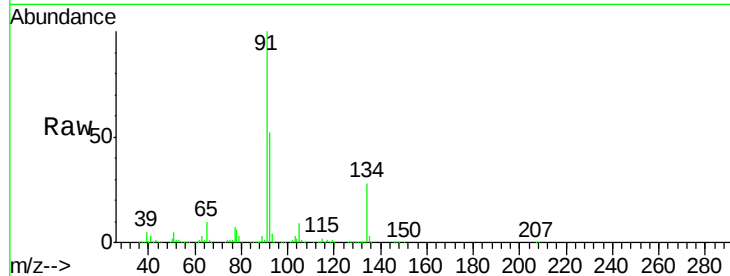




#89
n-Butylbenzene
Concen: 55.320 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

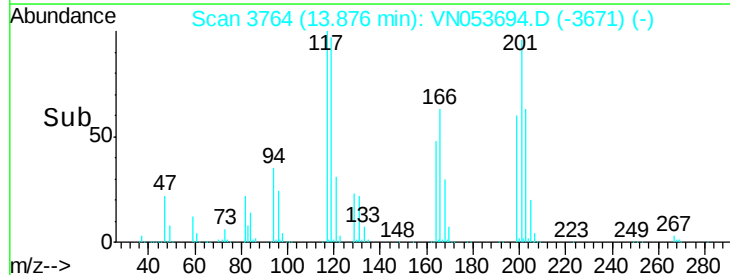
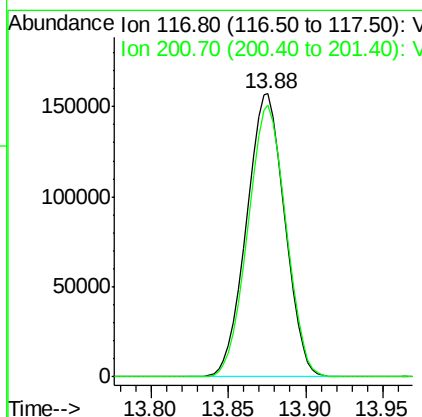
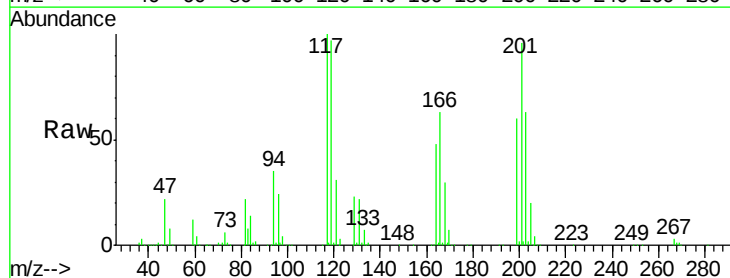
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

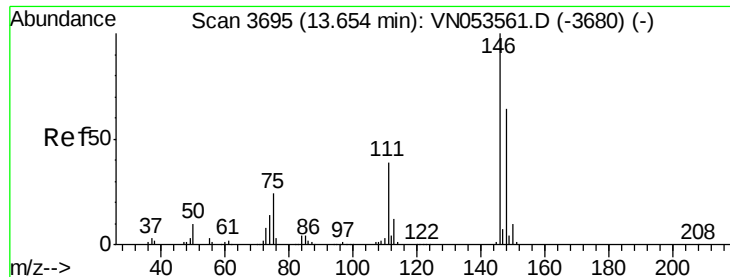
Tot Ion: 91 Resp: 1451625
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.3 13.5 40.5



#90
Hexachloroethane
Concen: 54.141 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 117 Resp: 270735
Ion Ratio Lower Upper
117 100
201 95.5 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 50.657 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

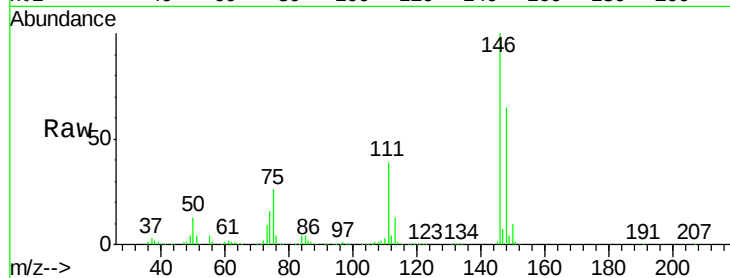
Tot Ion:146 Resp: 816602

Ion Ratio Lower Upper

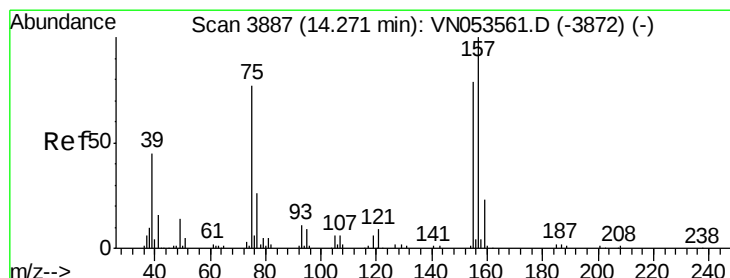
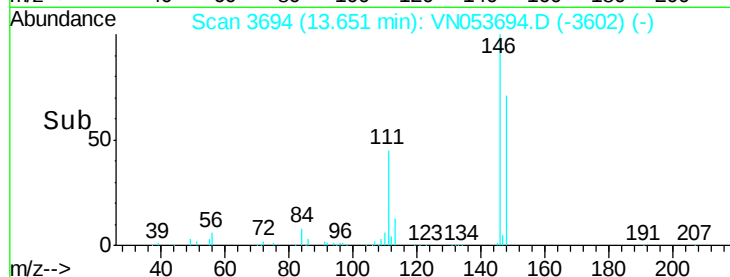
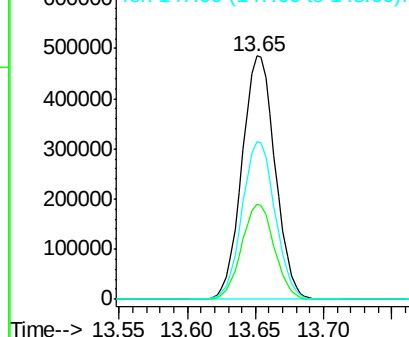
146 100

111 38.7 19.5 58.5

148 64.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.778 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

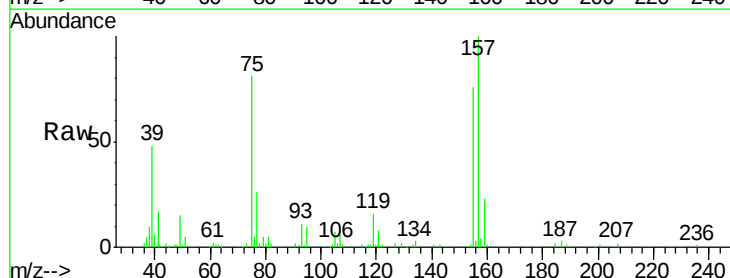
Tgt Ion: 75 Resp: 59009

Ion Ratio Lower Upper

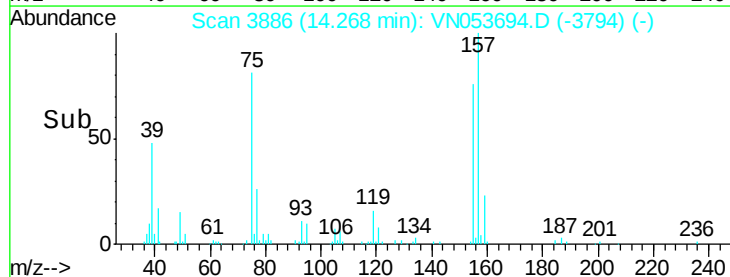
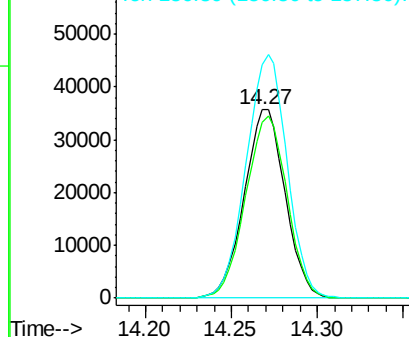
75 100

155 97.6 48.9 146.7

157 128.7 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 54.129 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

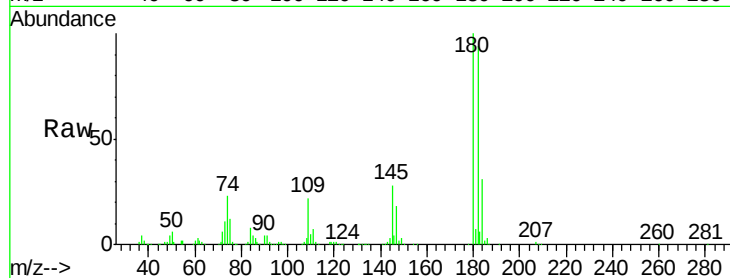
Tot Ion:180 Resp: 500452

Ion Ratio Lower Upper

180 100

182 94.7 48.1 144.3

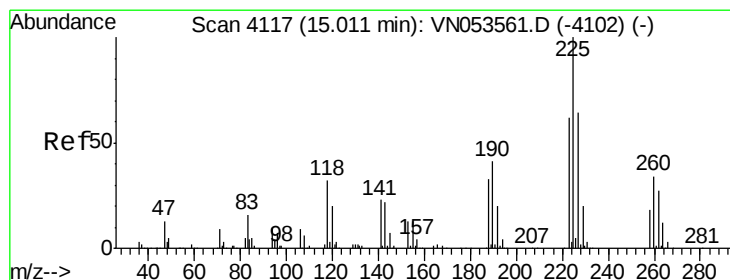
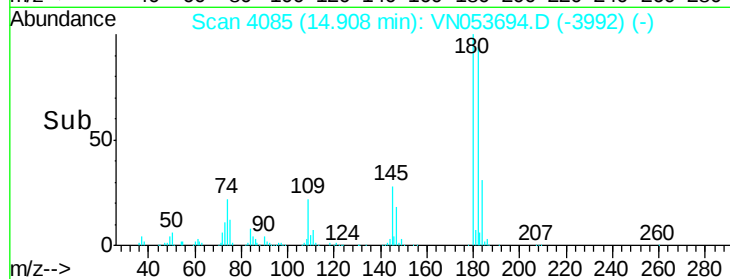
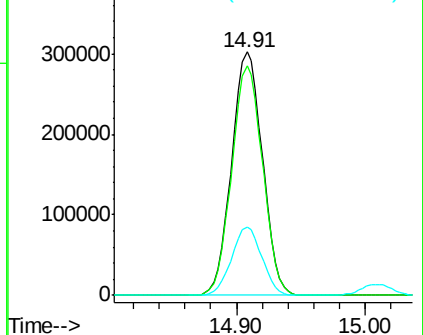
145 27.6 13.9 41.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 55.535 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

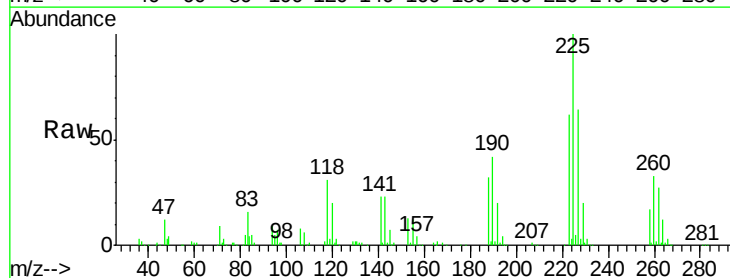
Tgt Ion:225 Resp: 319752

Ion Ratio Lower Upper

225 100

223 62.2 31.1 93.2

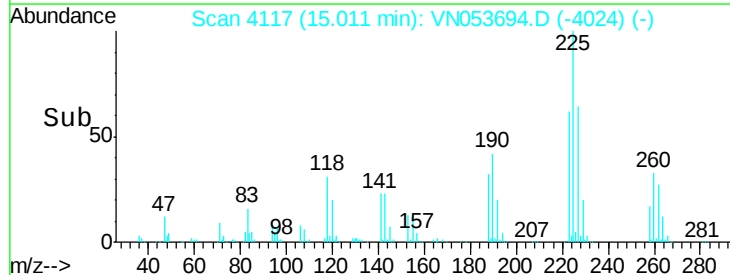
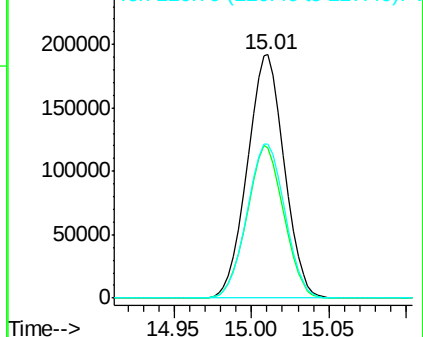
227 64.7 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.773 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

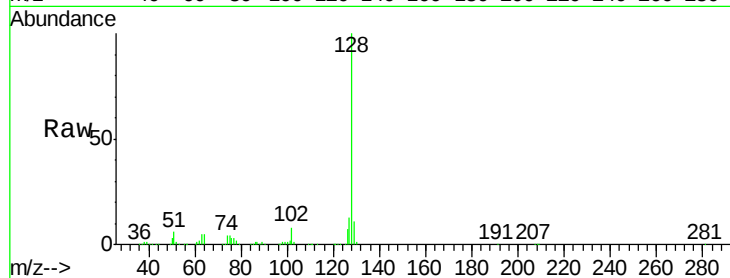
Tot Ion:128 Resp: 968308

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

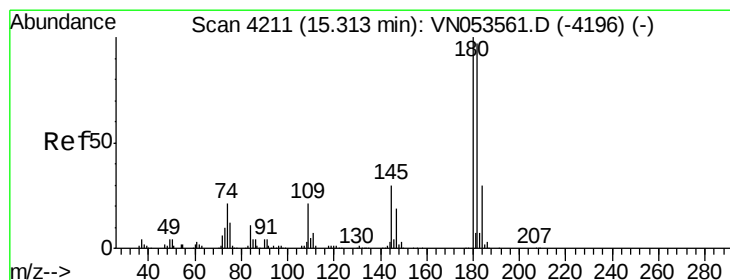
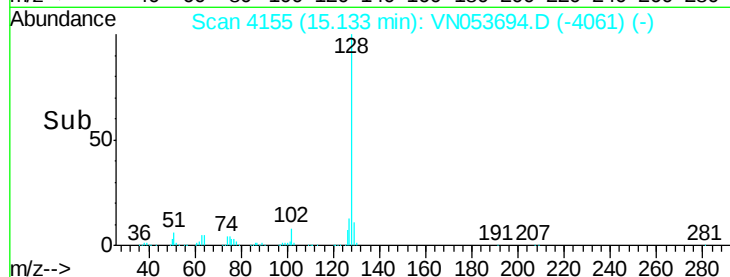
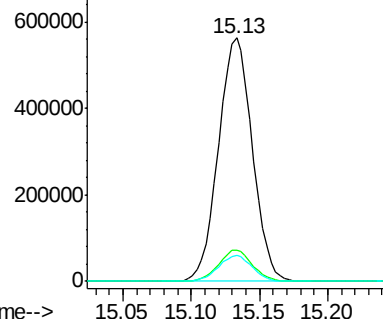
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.993 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

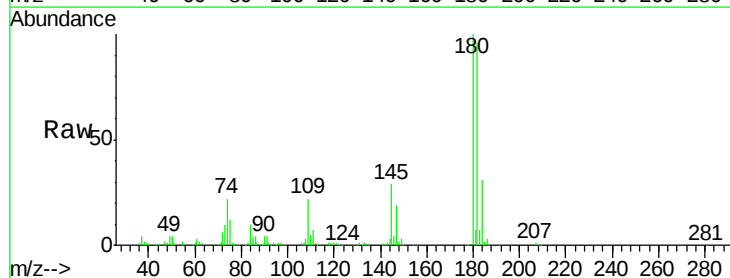
Tgt Ion:180 Resp: 454607

Ion Ratio Lower Upper

180 100

182 95.8 47.9 143.8

145 29.0 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

