

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020819\
 Data File : VN053673.D
 Acq On : 8 Feb 2019 11:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 09 02:32:36 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	7.67	168	697267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1028477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	895185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	439697	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	327730	46.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.70%	
35) Dibromofluoromethane	7.59	113	319719	49.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.40%	
50) Toluene-d8	10.09	98	1190995	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.40	95	400558	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	365691	46.544	ug/l	99
3) Chloromethane	2.06	50	384737	46.477	ug/l	99
4) Vinyl Chloride	2.19	62	374930	46.658	ug/l	100
5) Bromomethane	2.57	94	259160	49.325	ug/l	96
6) Chloroethane	2.71	64	243099	52.939	ug/l	97
7) Trichlorofluoromethane	3.02	101	549685	50.443	ug/l	98
8) Diethyl Ether	3.41	74	183350	46.072	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	332567	49.347	ug/l	98
10) Methyl Iodide	3.96	142	487569	46.093	ug/l	100
11) Tert butyl alcohol	4.78	59	96857	233.967	ug/l #	86
12) 1,1-Dichloroethene	3.74	96	302754	46.889	ug/l	99
13) Acrolein	3.61	56	61108	271.118	ug/l	100
14) Allyl chloride	4.33	41	480967	46.783	ug/l	99
15) Acrylonitrile	4.99	53	544709	243.733	ug/l	98
16) Acetone	3.81	43	464430	258.848	ug/l	98
17) Carbon Disulfide	4.06	76	882264	43.882	ug/l	100
18) Methyl Acetate	4.32	43	258781	48.701	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	802386	49.020	ug/l	99
20) Methylene Chloride	4.55	84	349780	46.467	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	325977	46.795	ug/l	96
22) Diisopropyl ether	5.95	45	939373	49.313	ug/l	96
23) Vinyl Acetate	5.90	43	3211578	243.707	ug/l	99
24) 1,1-Dichloroethane	5.85	63	596038	46.911	ug/l	100
25) 2-Butanone	6.83	43	618431	241.674	ug/l	99
26) 2,2-Dichloropropane	6.83	77	454131	46.822	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	374064	48.291	ug/l	98
28) Bromochloromethane	7.19	49	273536	49.610	ug/l	97
29) Tetrahydrofuran	7.21	42	388265	236.289	ug/l	98
30) Chloroform	7.37	83	599605	47.606	ug/l	98
31) Cyclohexane	7.65	56	547850	46.299	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	507682	48.435	ug/l	99
36) 1,1-Dichloropropene	7.79	75	464215	50.071	ug/l	99
37) Ethyl Acetate	6.93	43	259565	50.129	ug/l	99
38) Carbon Tetrachloride	7.77	117	459332	49.181	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	556521	50.597	ug/l	99
40) Benzene	8.04	78	1382628	48.361	ug/l	100
41) Methacrylonitrile	7.17	41	142956	49.398	ug/l	91
42) 1,2-Dichloroethane	8.12	62	411420	48.466	ug/l	98
43) Isopropyl Acetate	8.16	43	450923	45.094	ug/l	99
44) Trichloroethene	8.83	130	393166	48.305	ug/l	97
45) 1,2-Dichloropropane	9.12	63	361078	49.378	ug/l	100
46) Dibromomethane	9.21	93	215191	48.817	ug/l	97
47) Bromodichloromethane	9.40	83	457464	49.913	ug/l	99
48) Methyl methacrylate	9.20	41	222114	46.533	ug/l	93
49) 1,4-Dioxane	9.20	88	65383	947.459	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1201585	244.529	ug/l	99
52) Toluene	10.16	92	845531	49.832	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	457784	49.881	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	539079	49.569	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	308447	50.448	ug/l	99
56) Ethyl methacrylate	10.43	69	360966	49.905	ug/l	98
57) 1,3-Dichloropropane	10.71	76	510484	48.852	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	912296	204.868	ug/l	98
59) 2-Hexanone	10.75	43	790998	237.118	ug/l	99
60) Dibromochloromethane	10.90	129	353340	51.247	ug/l	100
61) 1,2-Dibromoethane	11.01	107	291293	48.135	ug/l	100
64) Tetrachloroethene	10.63	164	378118	49.275	ug/l	98
65) Chlorobenzene	11.44	112	932890	49.062	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	341478	51.422	ug/l	100
67) Ethyl Benzene	11.51	91	1561231	49.983	ug/l	100
68) m/p-Xylenes	11.62	106	1231530	103.305	ug/l	99
69) o-Xylene	11.95	106	593400	51.523	ug/l	99
70) Styrene	11.97	104	963823	51.632	ug/l	100
71) Bromoform	12.13	173	242649	53.298	ug/l #	99
73) Isopropylbenzene	12.25	105	1555180	50.313	ug/l	100
74) N-amyl acetate	12.07	43	370254	49.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	349830	47.290	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	427039	75.614	ug/l #	100
77) Bromobenzene	12.53	156	404895	48.604	ug/l	98
78) n-propylbenzene	12.59	91	1817886	50.875	ug/l	100
79) 2-Chlorotoluene	12.67	91	1069614	50.455	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1352600	52.770	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96894	48.243	ug/l	99
82) 4-Chlorotoluene	12.77	91	1082108	49.744	ug/l	99
83) tert-Butylbenzene	12.99	119	1178705	52.030	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1383543	52.980	ug/l	100
85) sec-Butylbenzene	13.17	105	1618770	52.510	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443177	53.527	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	745381	49.774	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	729108	49.219	ug/l	99
89) n-Butylbenzene	13.62	91	1245961	53.390	ug/l	100
90) Hexachloroethane	13.88	117	239344	53.818	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	714268	49.821	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50909	48.288	ug/l	99

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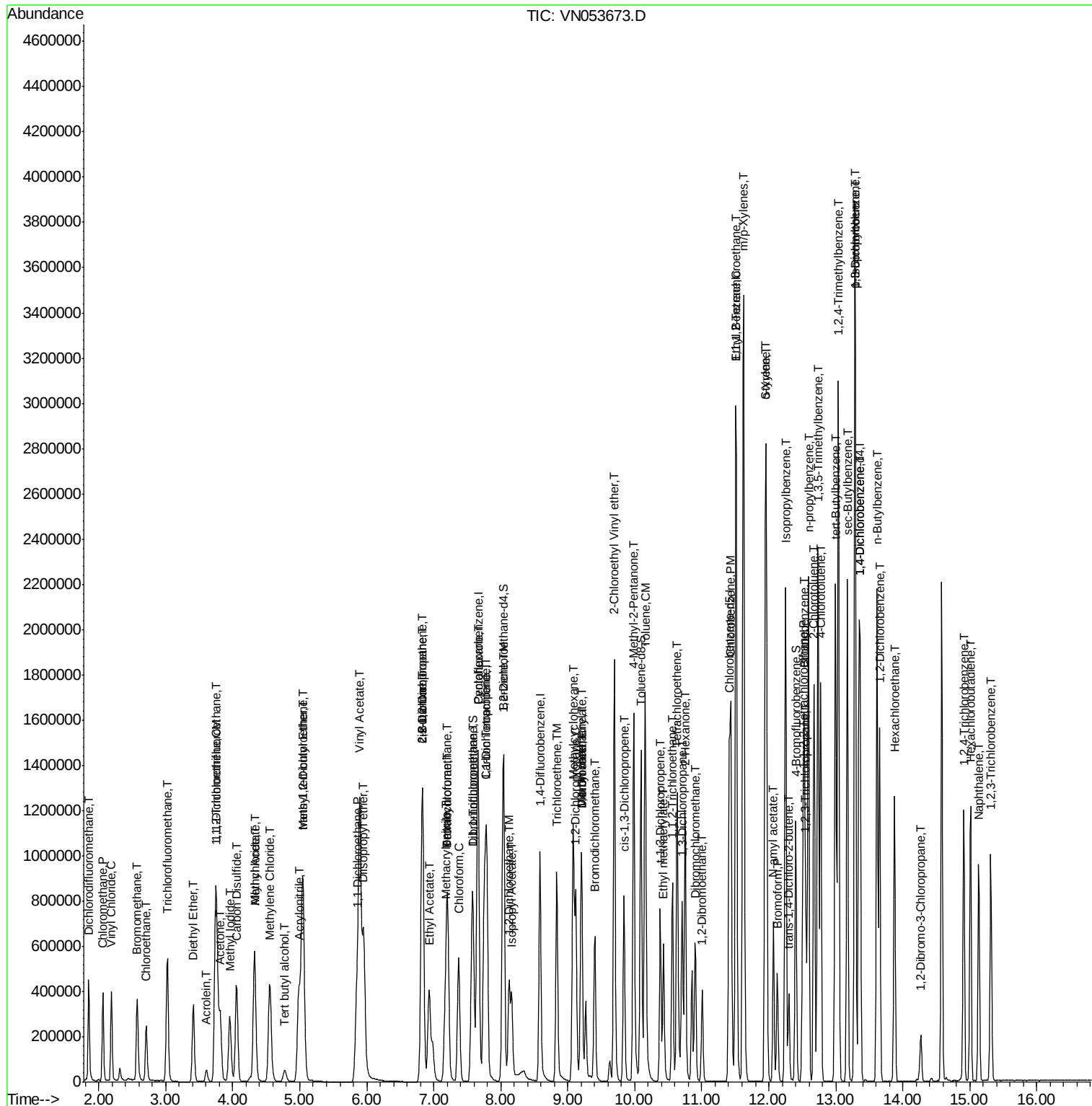
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	426950	51.925	ug/l	98
94) Hexachlorobutadiene	15.01	225	272711	53.257	ug/l	99
95) Naphthalene	15.13	128	838777	43.654	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	394647	51.727	ug/l	99

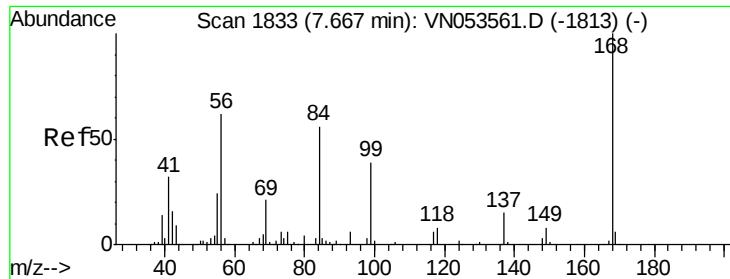
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

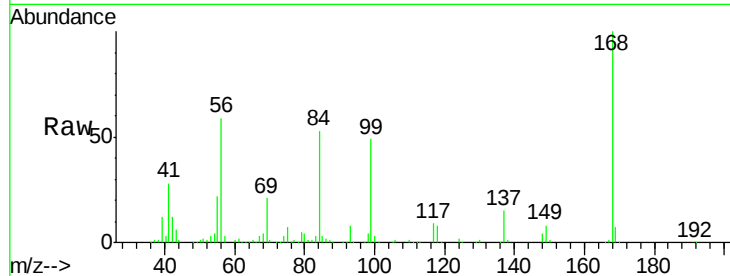
VSTDCCC050

Tot Ion:168 Resp: 697267

Ion Ratio Lower Upper

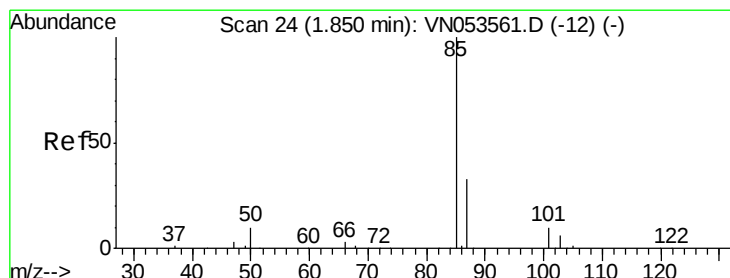
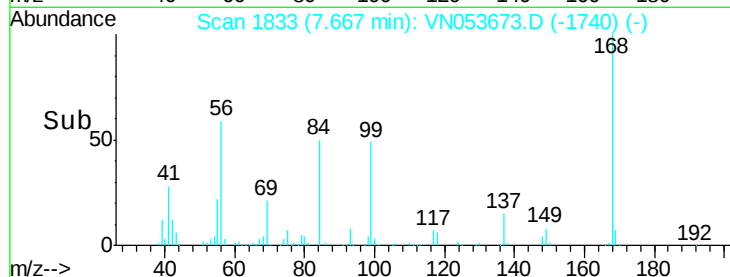
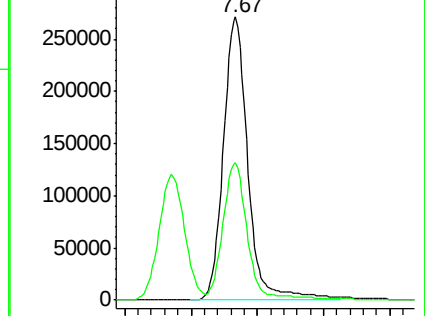
168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.544 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053673.D

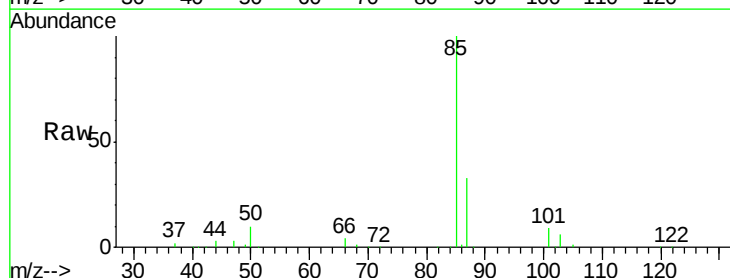
Acq: 8 Feb 2019 11:02

Tgt Ion: 85 Resp: 365691

Ion Ratio Lower Upper

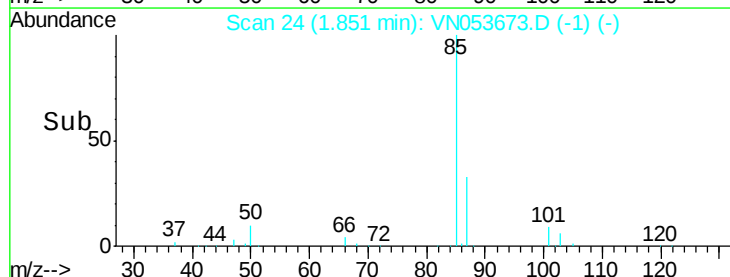
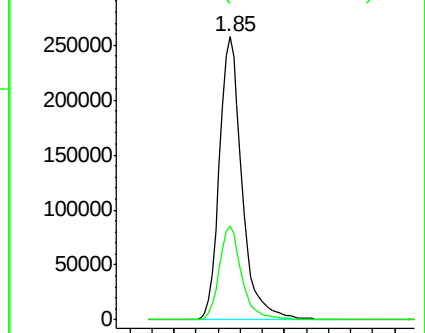
85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.477 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

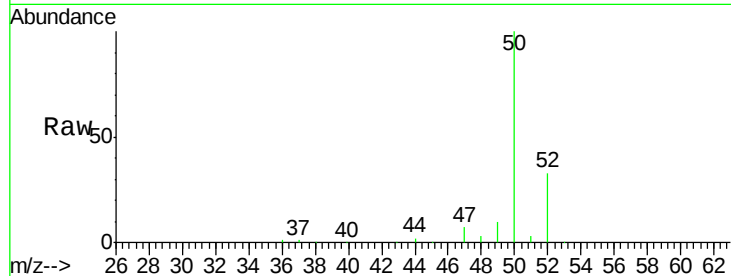
VSTDCCC050

Tot Ion: 50 Resp: 384737

Ion Ratio Lower Upper

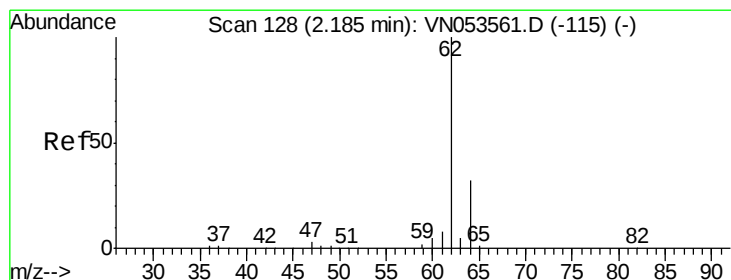
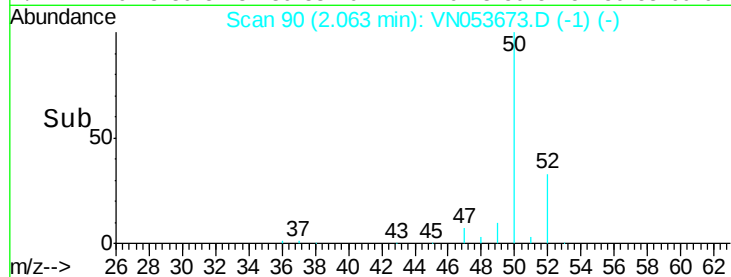
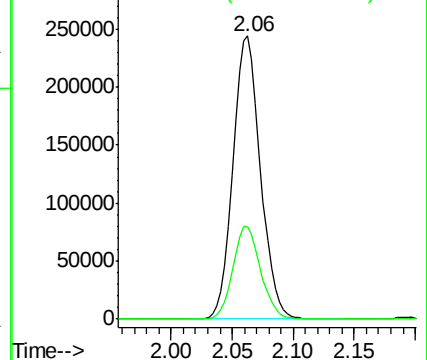
50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053673.D

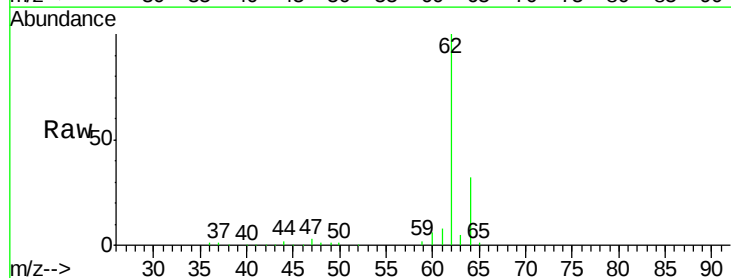
Acq: 8 Feb 2019 11:02

Tgt Ion: 62 Resp: 374930

Ion Ratio Lower Upper

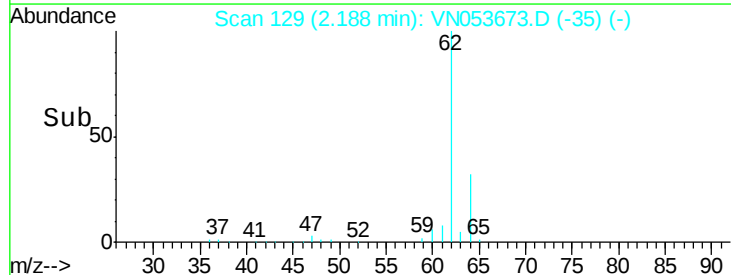
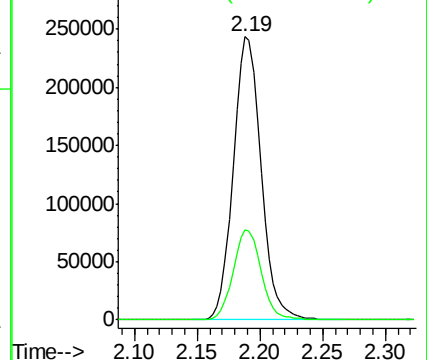
62 100

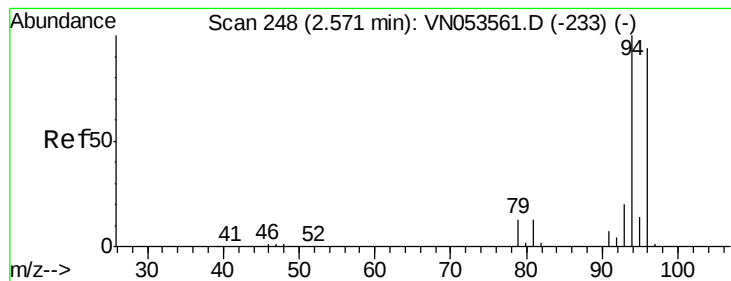
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.325 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

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ClientSampleId :

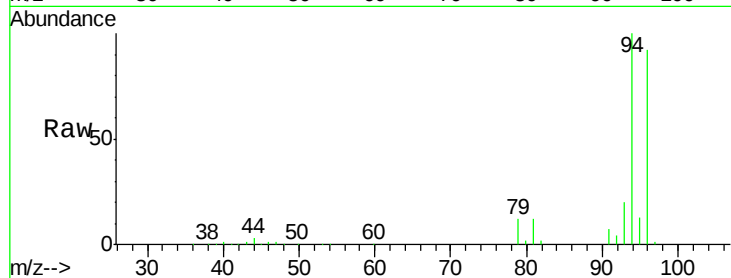
VSTDCCC050

Tot Ion: 94 Resp: 259160

Ion Ratio Lower Upper

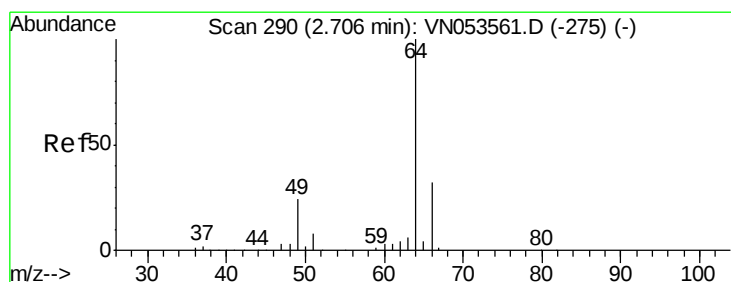
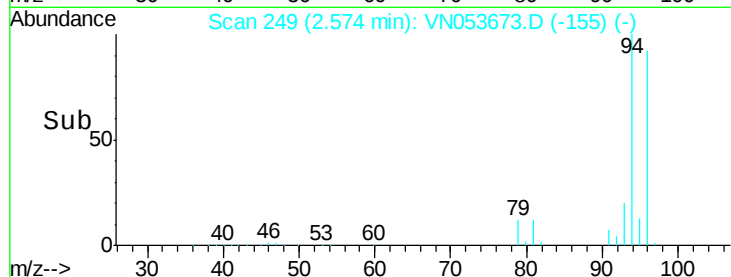
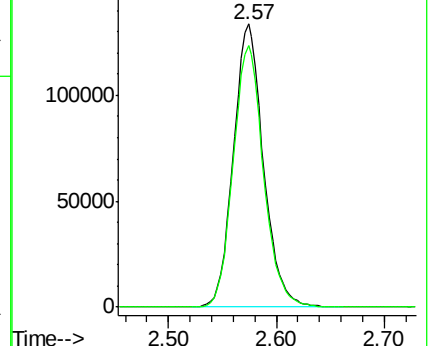
94 100

96 92.5 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.939 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053673.D

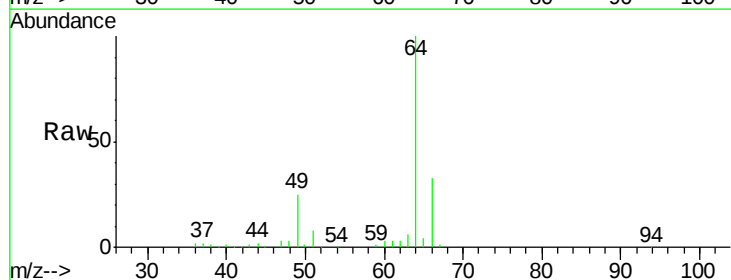
Acq: 8 Feb 2019 11:02

Tgt Ion: 64 Resp: 243099

Ion Ratio Lower Upper

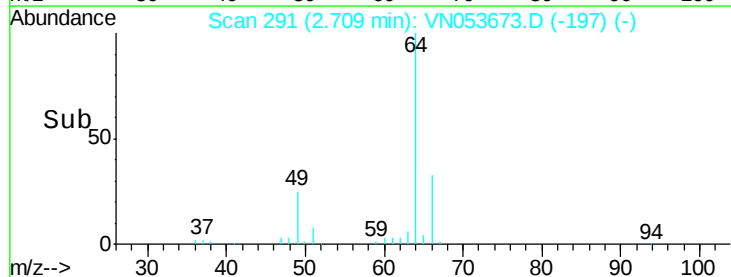
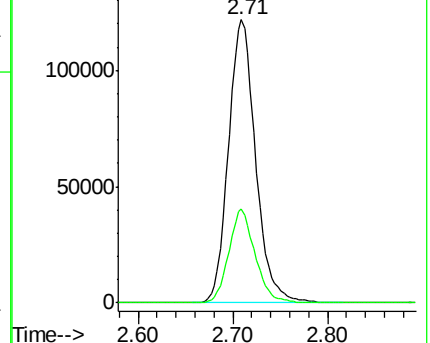
64 100

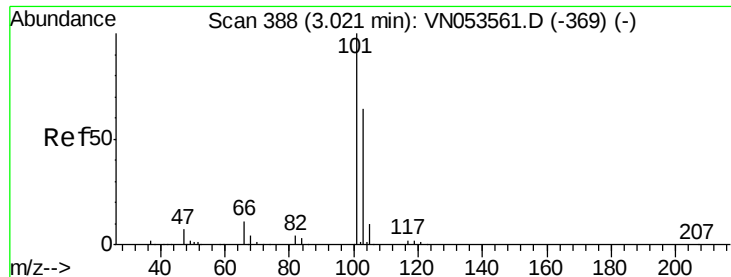
66 33.1 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 50.443 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

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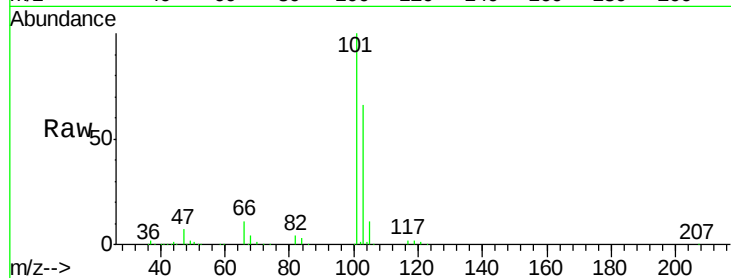
VSTDCCC050

Tot Ion:101 Resp: 549685

Ion Ratio Lower Upper

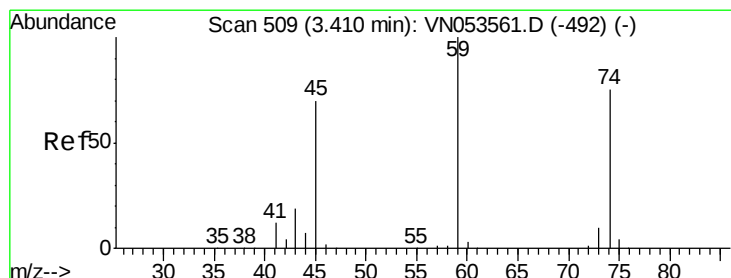
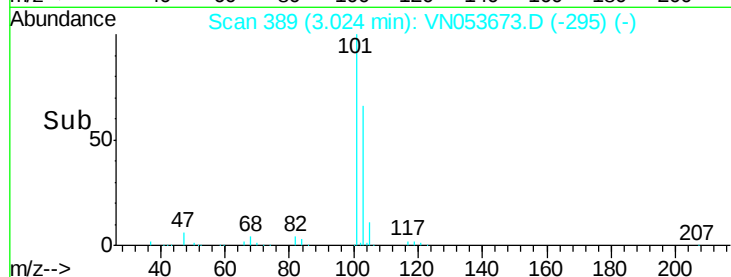
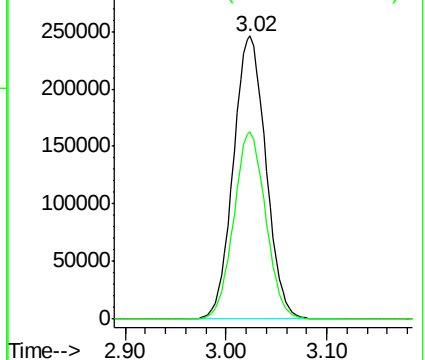
101 100

103 66.1 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.072 ug/l

RT: 3.41 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN053673.D

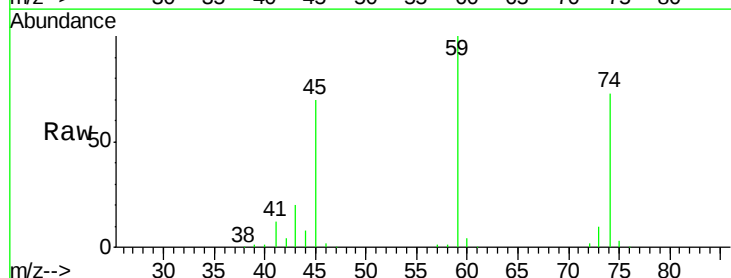
Acq: 8 Feb 2019 11:02

Tgt Ion: 74 Resp: 183350

Ion Ratio Lower Upper

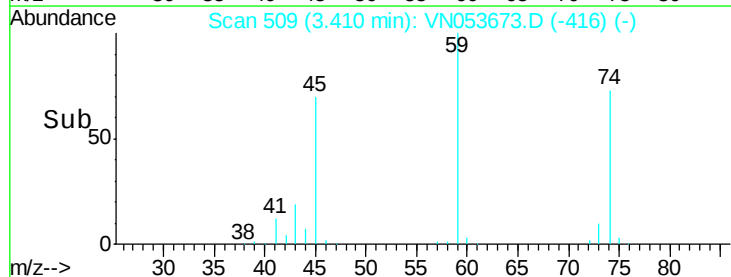
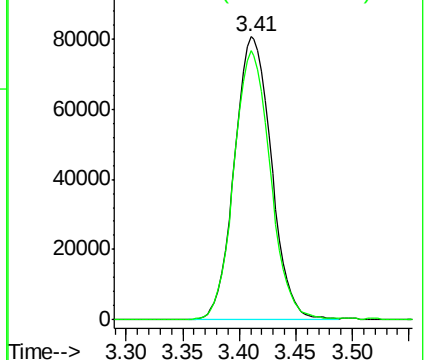
74 100

45 93.2 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.347 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

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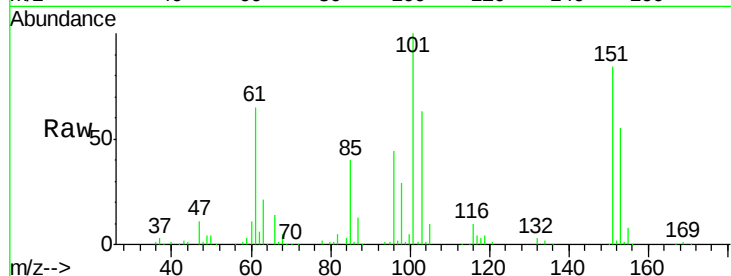
Tot Ion:101 Resp: 332567

Ion Ratio Lower Upper

101 100

85 40.6 32.8 49.2

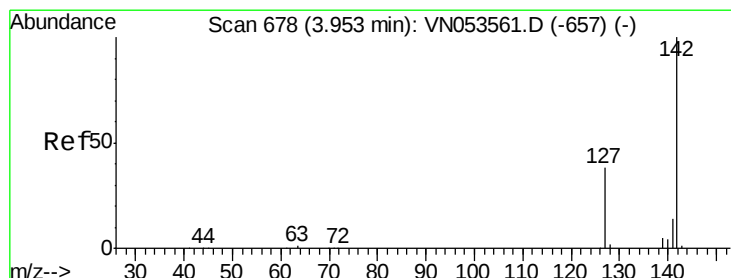
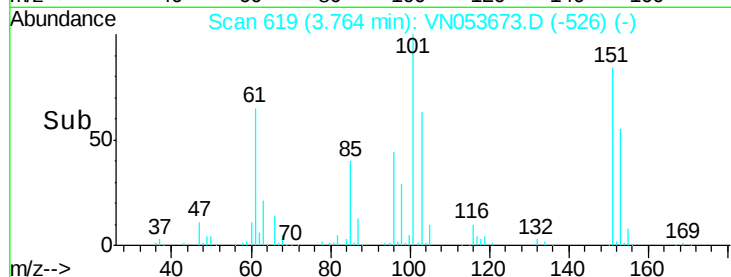
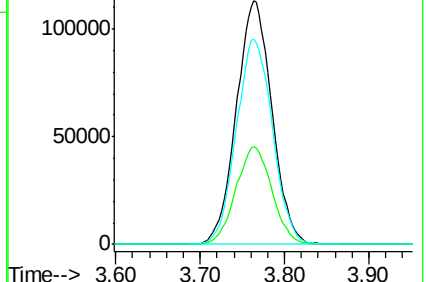
151 85.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.093 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

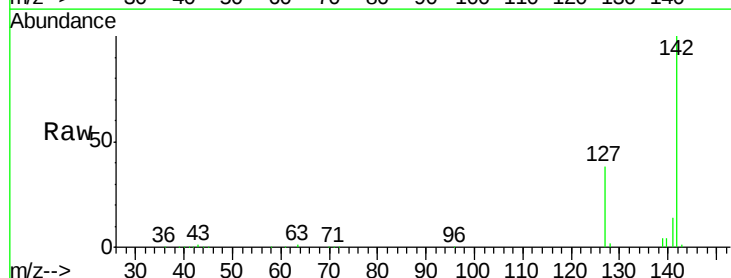
Tgt Ion:142 Resp: 487569

Ion Ratio Lower Upper

142 100

127 38.6 31.0 46.4

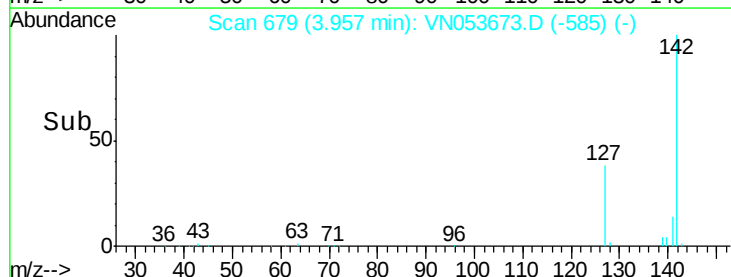
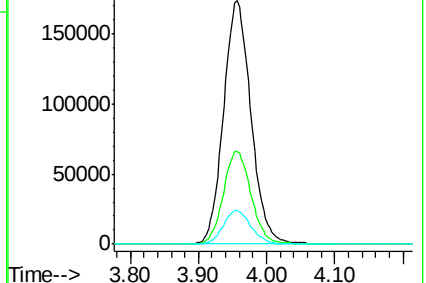
141 13.9 11.1 16.7

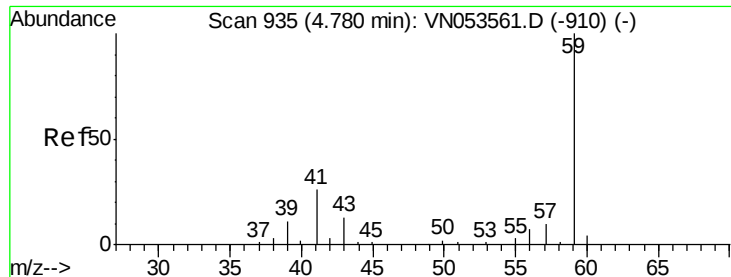


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

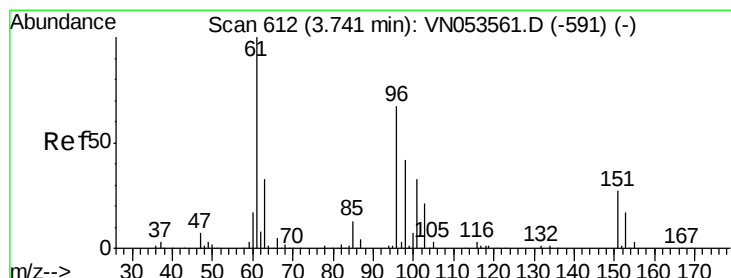
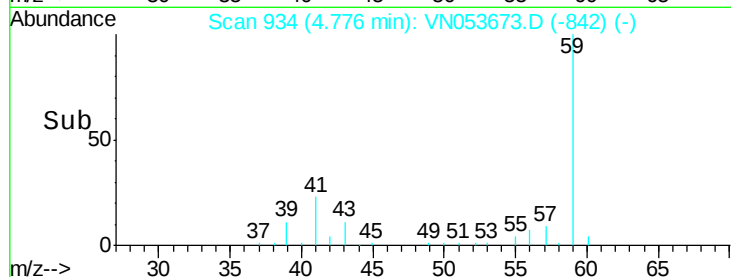
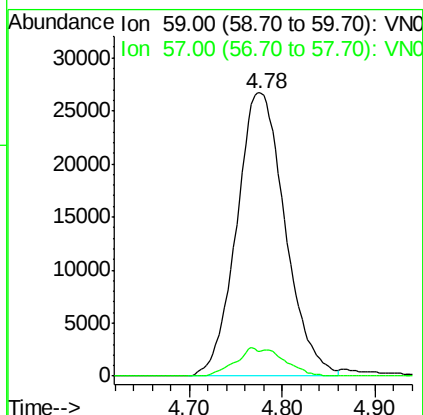
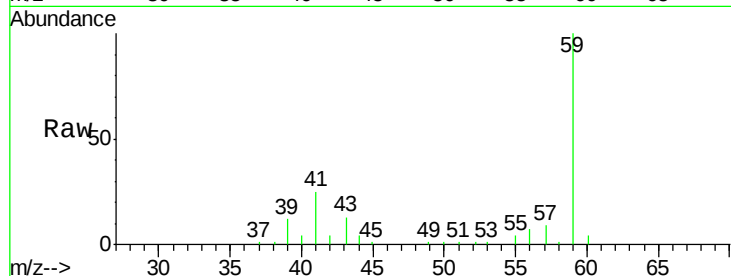




#11
Tert butyl alcohol
Concen: 233.967 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

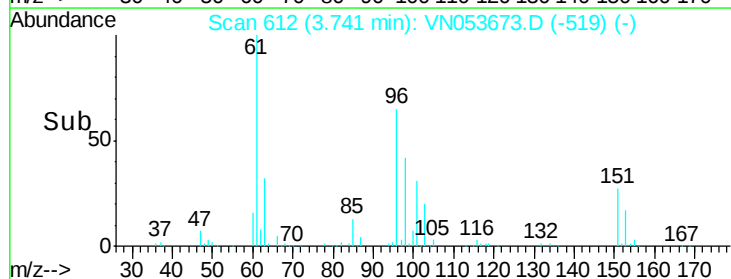
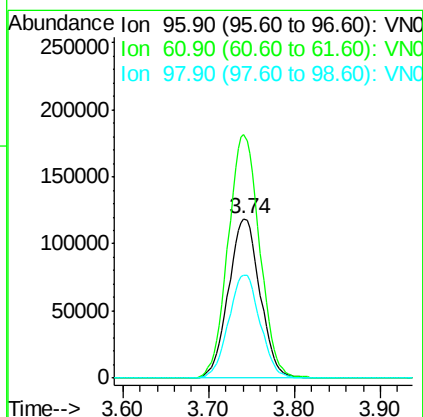
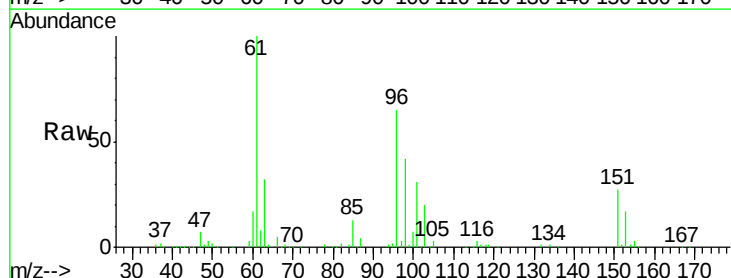
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

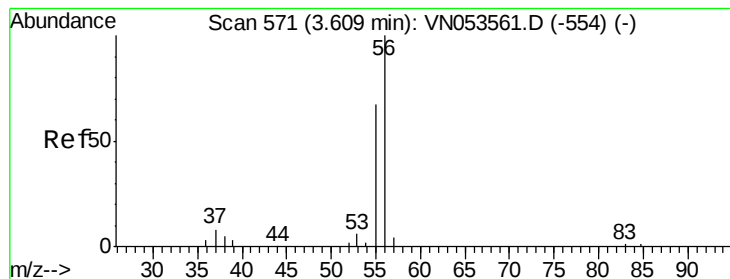
Tot Ion: 59 Resp: 96857
Ion Ratio Lower Upper
59 100
57 5.1 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 46.889 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 96 Resp: 302754
Ion Ratio Lower Upper
96 100
61 152.9 122.9 184.3
98 64.5 49.4 74.0





#13

Acrolein

Concen: 271.118 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

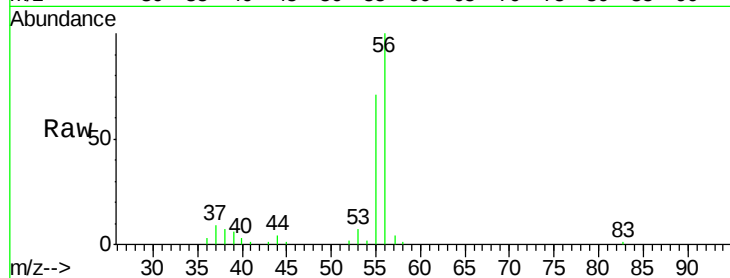
VSTDCCC050

Tot Ion: 56 Resp: 61108

Ion Ratio Lower Upper

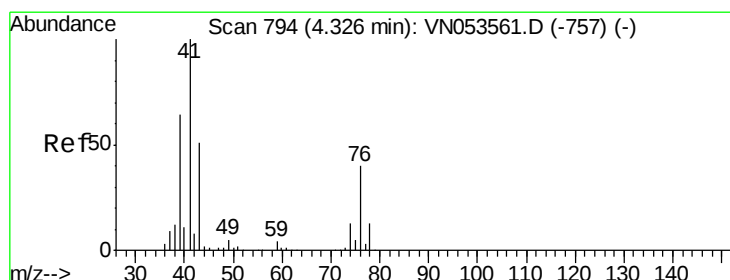
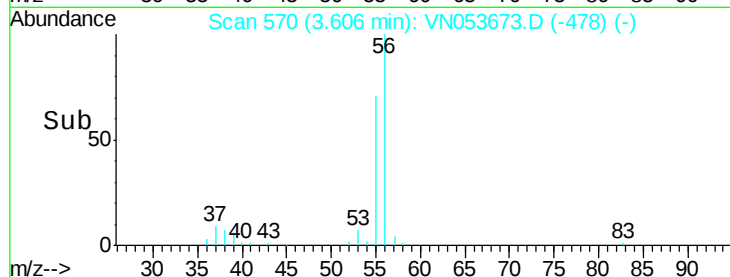
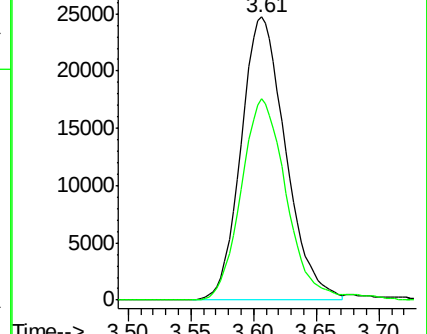
56 100

55 71.4 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.783 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

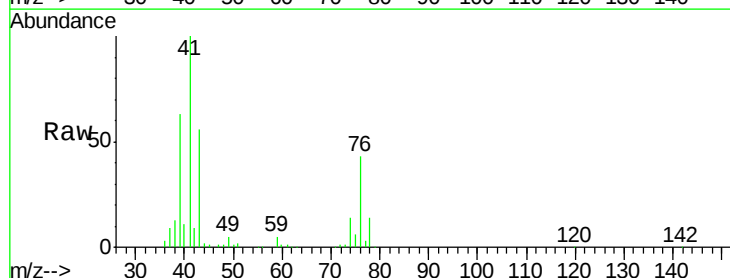
Tgt Ion: 41 Resp: 480967

Ion Ratio Lower Upper

41 100

39 60.9 48.9 73.3

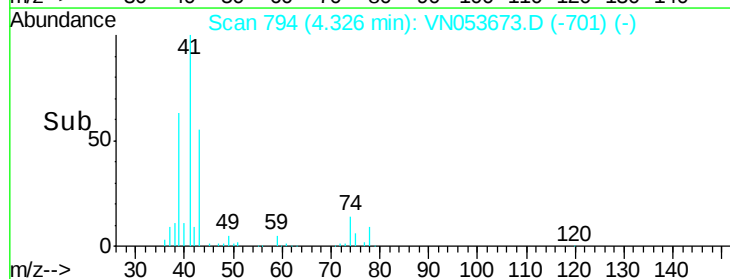
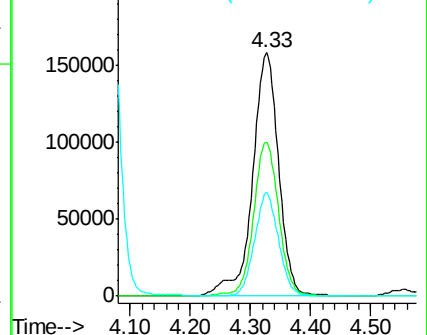
76 38.3 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.733 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

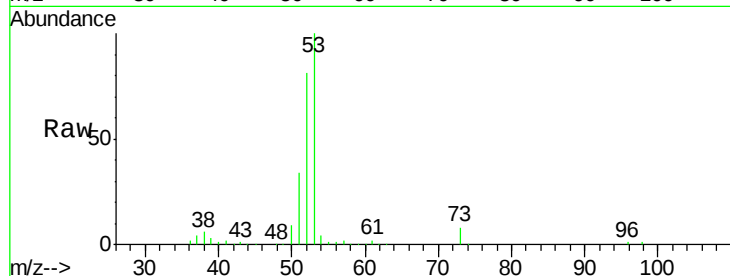
Tot Ion: 53 Resp: 544709

Ion Ratio Lower Upper

53 100

52 81.2 66.0 99.0

51 34.4 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) (-)

4.99

200000

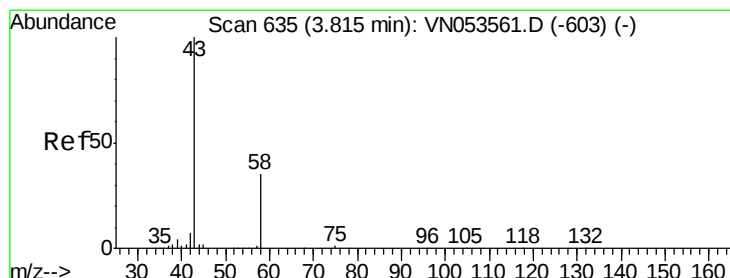
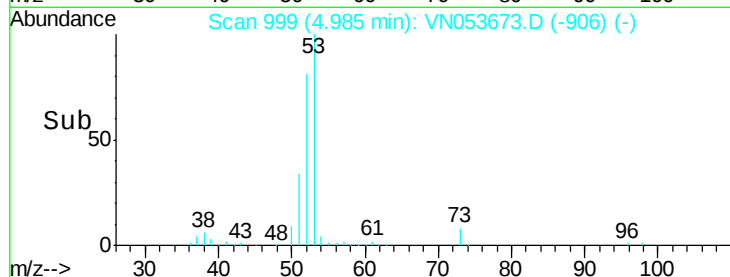
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 258.848 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053673.D

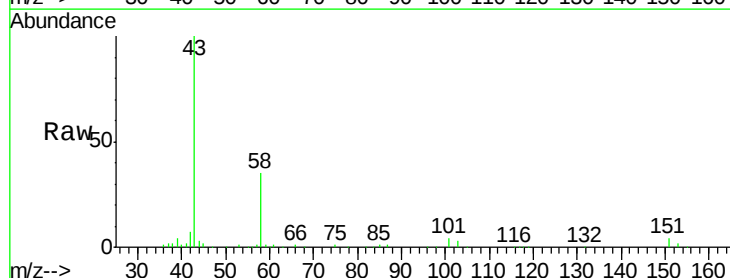
Acq: 8 Feb 2019 11:02

Tgt Ion: 43 Resp: 464430

Ion Ratio Lower Upper

43 100

58 34.8 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) (-)

3.81

200000

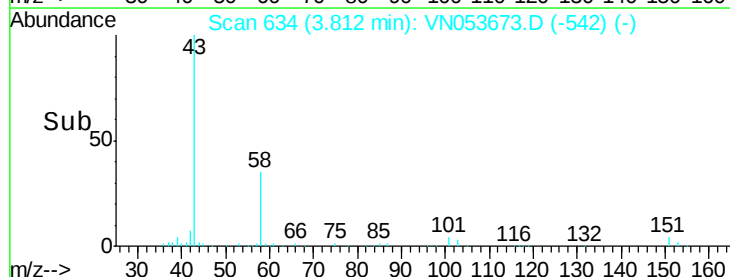
150000

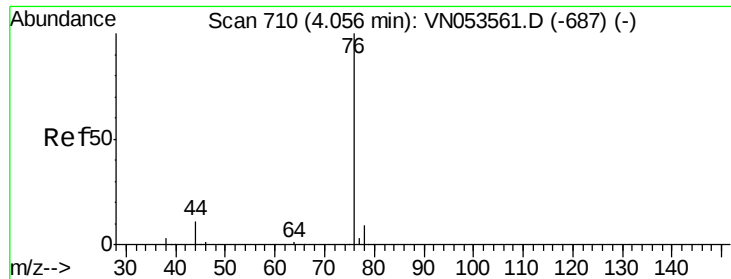
100000

50000

0

Time--> 3.70 3.80 3.90

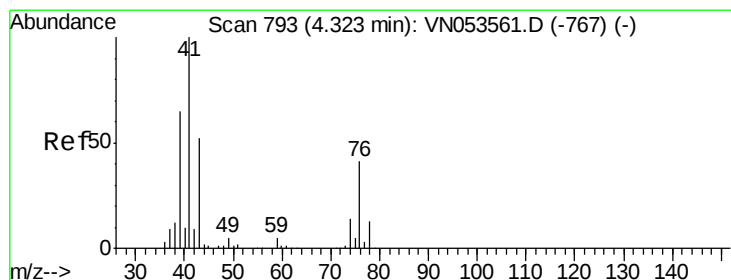
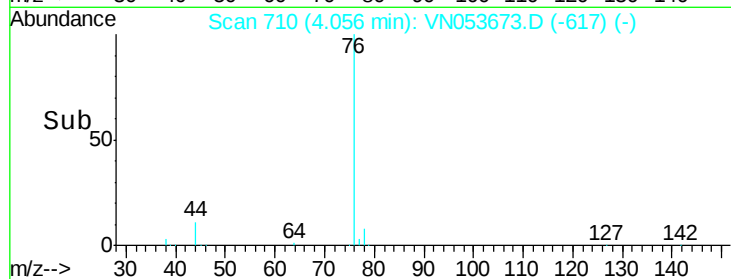
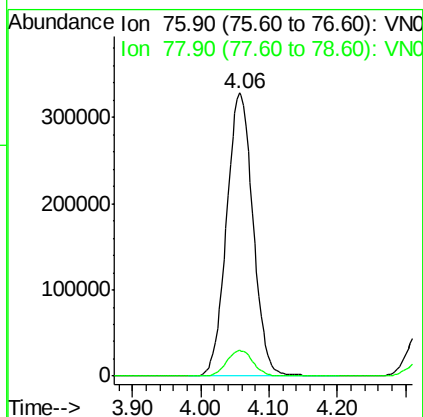
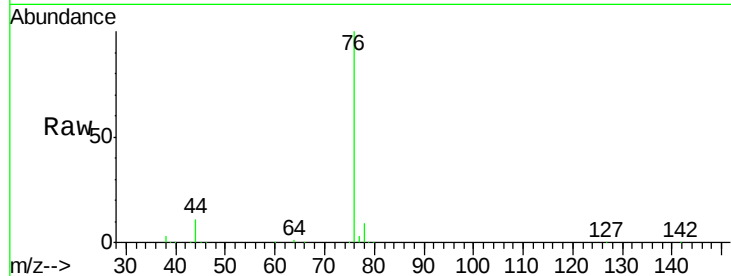




#17
Carbon Disulfide
Concen: 43.882 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

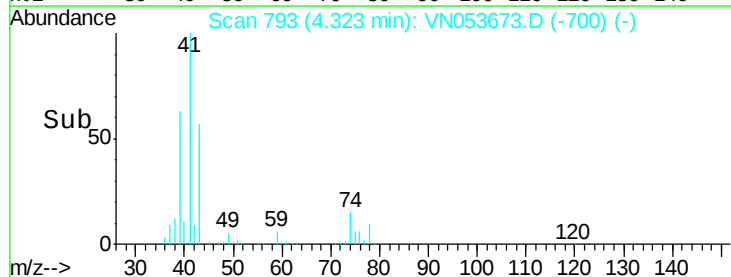
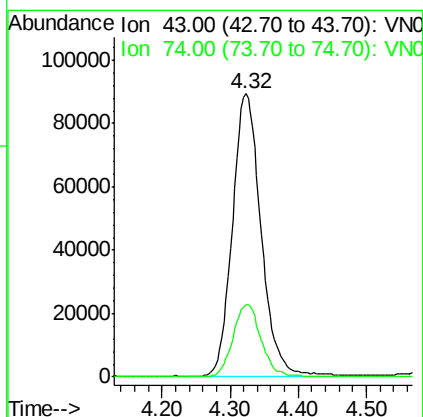
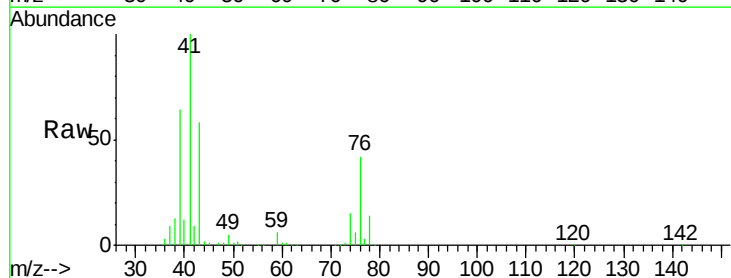
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

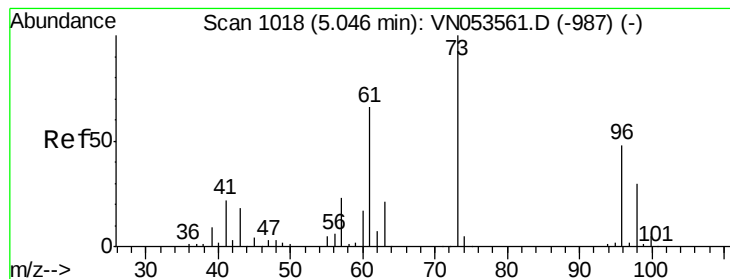
Tot Ion: 76 Resp: 882264
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 48.701 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 43 Resp: 258781
Ion Ratio Lower Upper
43 100
74 25.4 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 49.020 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

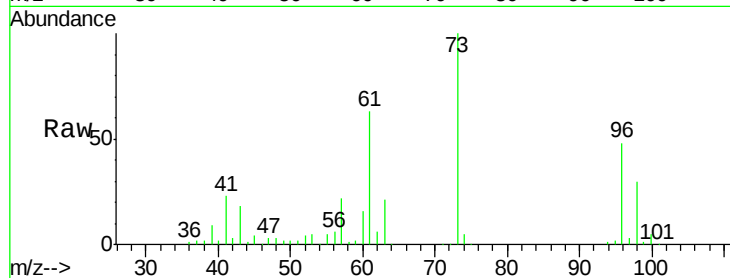
VSTDCCC050

Tot Ion: 73 Resp: 802386

Ion Ratio Lower Upper

73 100

57 22.4 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.05

200000

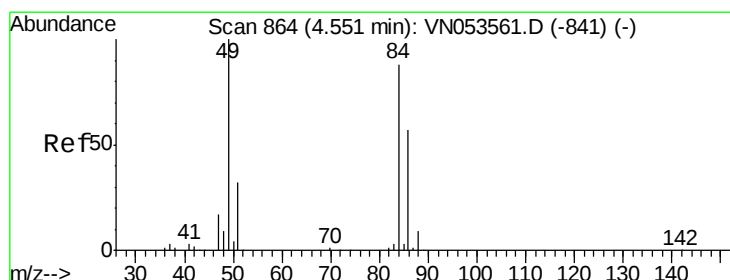
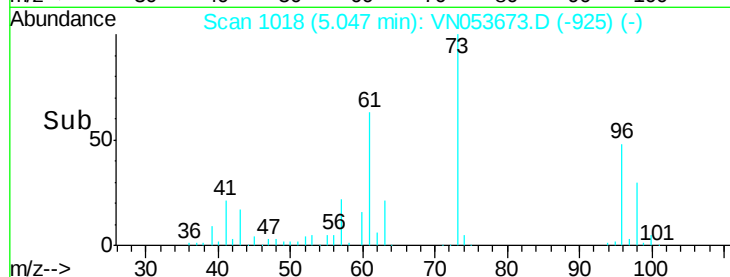
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 46.467 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion: 84 Resp: 349780

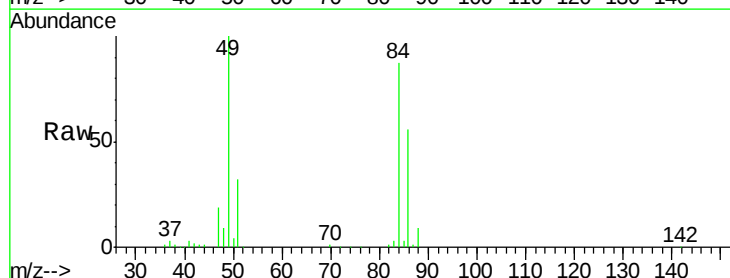
Ion Ratio Lower Upper

84 100

49 114.8 94.3 141.5

51 36.3 29.4 44.2

86 64.1 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

200000

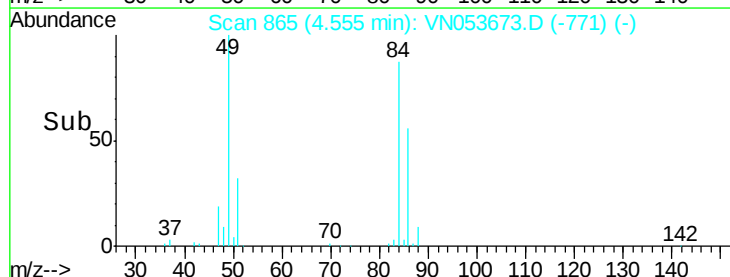
150000

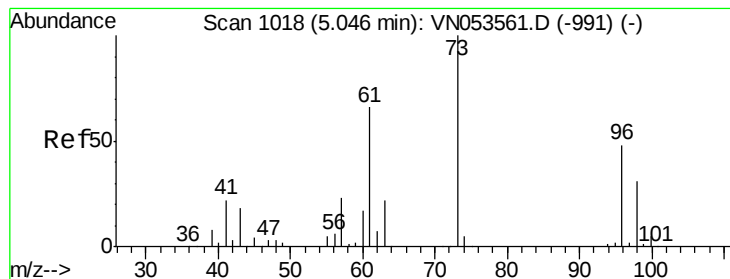
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.795 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

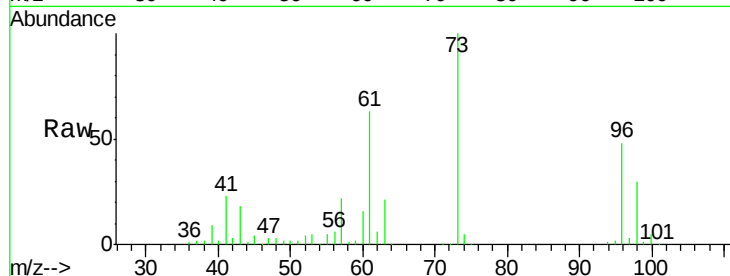
Tot Ion: 96 Resp: 325977

Ion Ratio Lower Upper

96 100

61 130.8 110.1 165.1

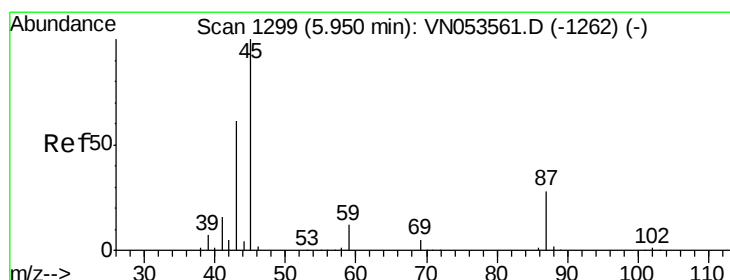
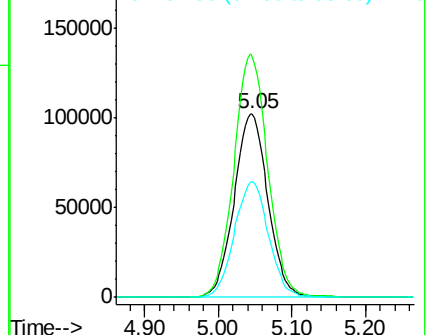
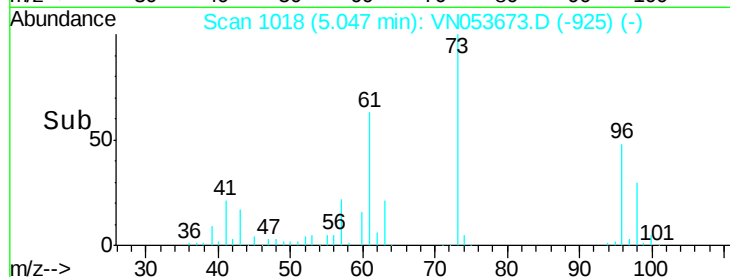
98 63.0 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053673.D (-1206) (-)

Ion 60.90 (60.60 to 61.60): VN053673.D (-1206) (-)

Ion 97.90 (97.60 to 98.60): VN053673.D (-1206) (-)



#22

Diisopropyl ether

Concen: 49.313 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion: 45 Resp: 939373

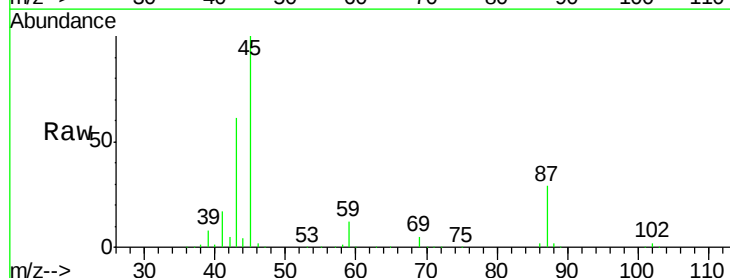
Ion Ratio Lower Upper

45 100

43 59.5 44.2 66.4

87 28.8 22.7 34.1

59 12.0 9.4 14.2

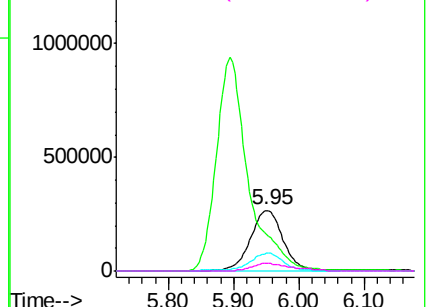
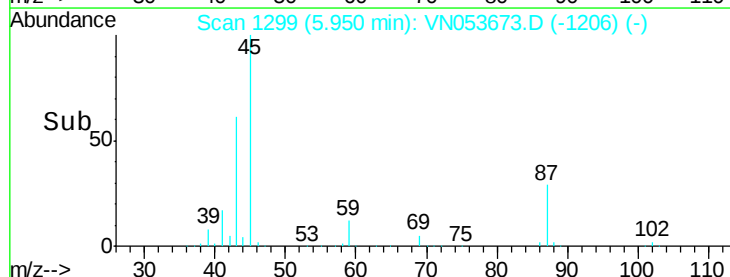


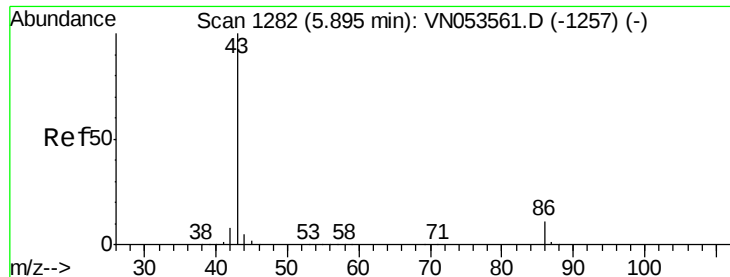
Abundance Ion 45.00 (44.70 to 45.70): VN053673.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053673.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053673.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053673.D (-1206) (-)





#23

Vinyl Acetate

Concen: 243.707 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

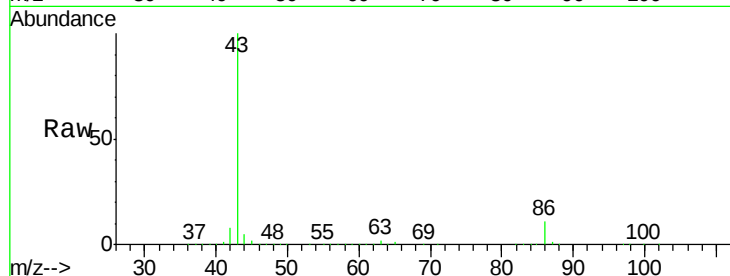
VSTDCCC050

Tot Ion: 43 Resp: 3211578

Ion Ratio Lower Upper

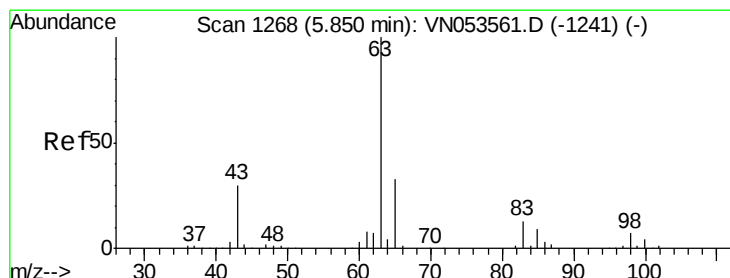
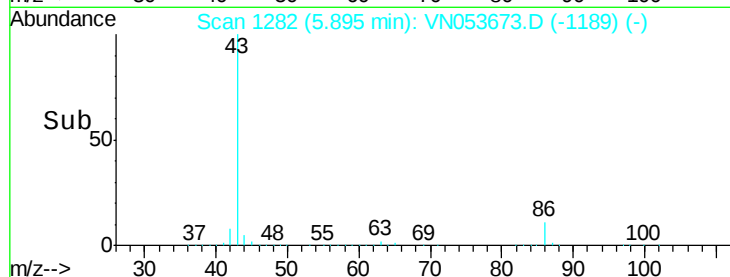
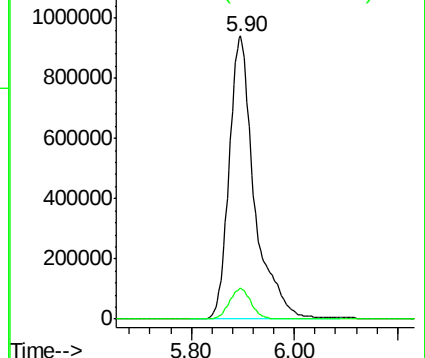
43 100

86 10.9 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: 46.911 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

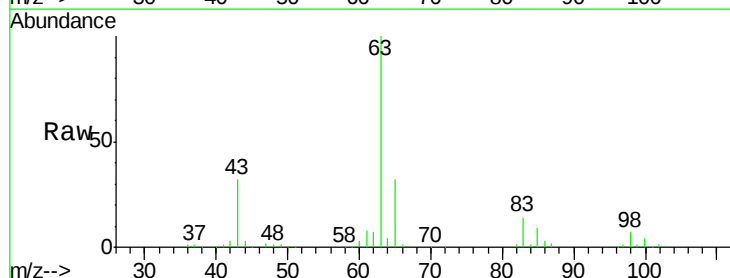
Tgt Ion: 63 Resp: 596038

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

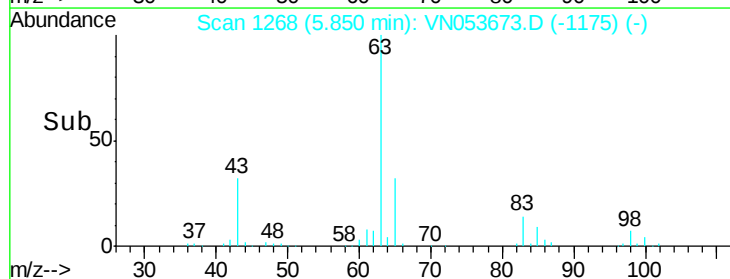
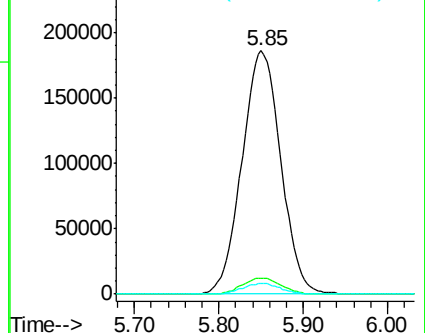
100 4.5 2.1 6.5

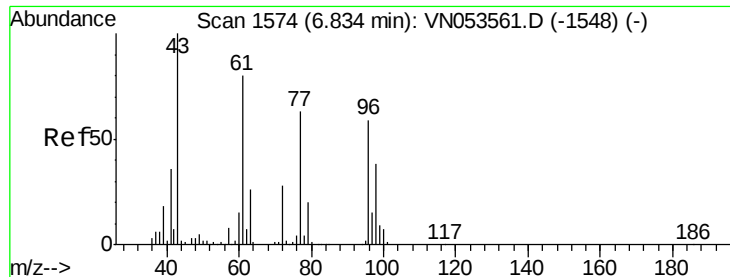


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 241.674 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

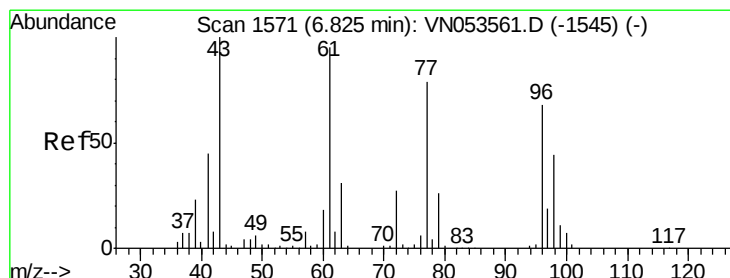
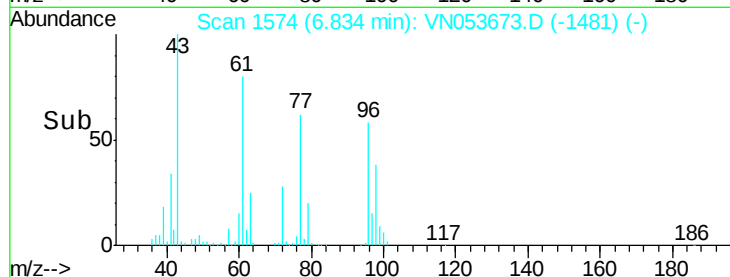
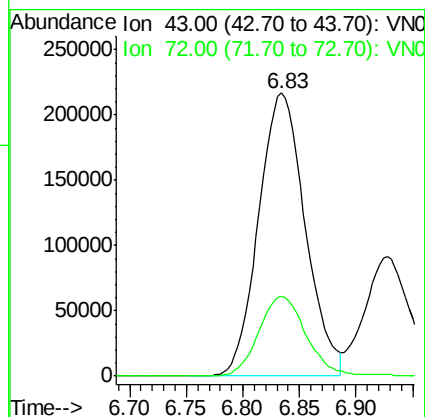
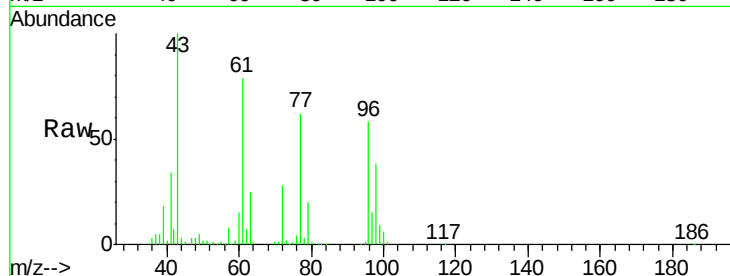
VSTDCCC050

Tot Ion: 43 Resp: 618431

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 46.822 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053673.D

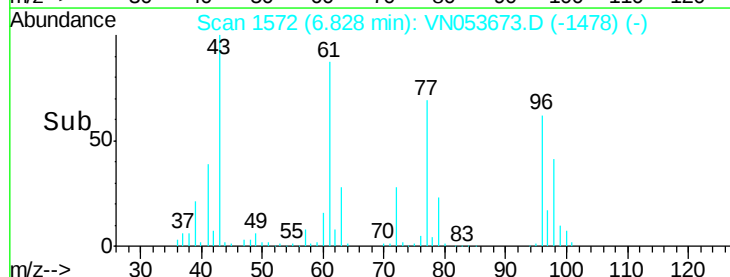
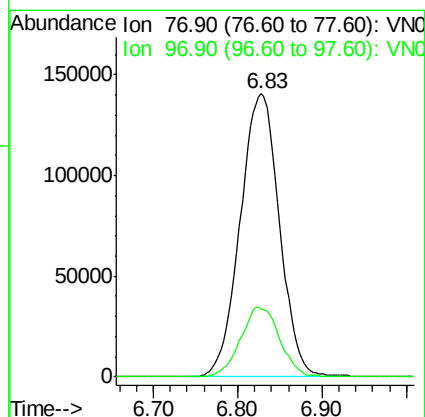
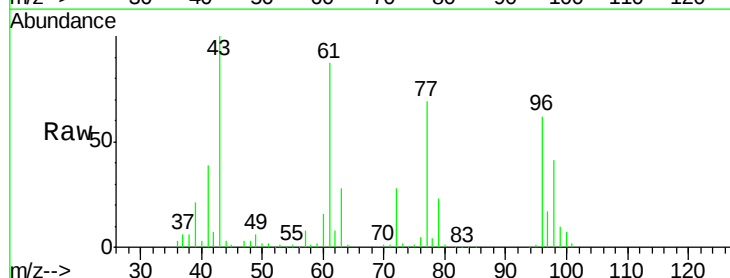
Acq: 8 Feb 2019 11:02

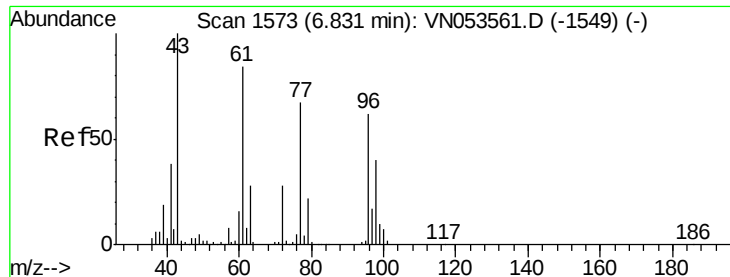
Tgt Ion: 77 Resp: 454131

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.291 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

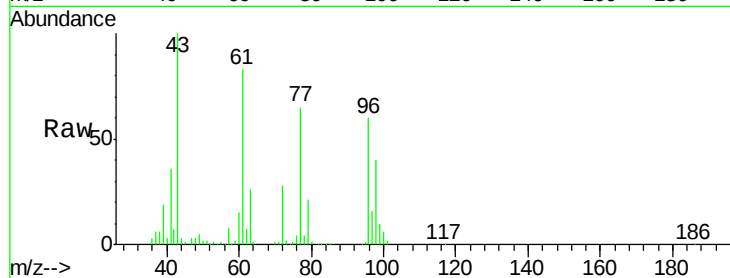
Tot Ion: 96 Resp: 374064

Ion Ratio Lower Upper

96 100

61 138.1 0.0 283.8

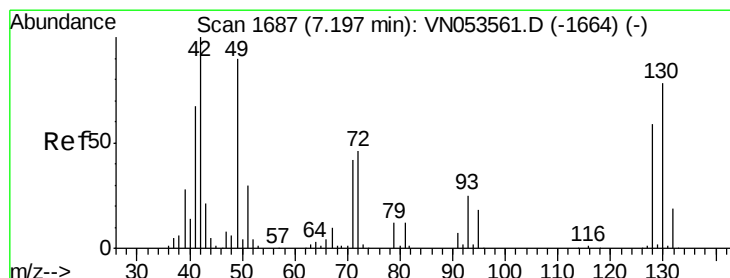
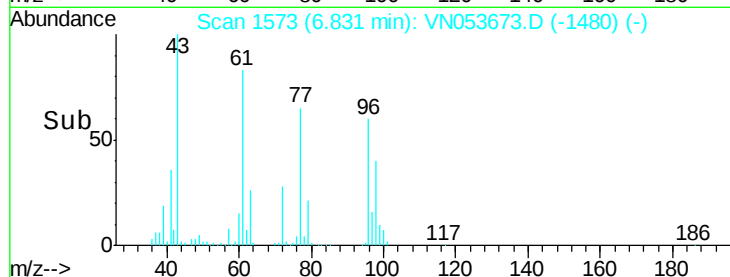
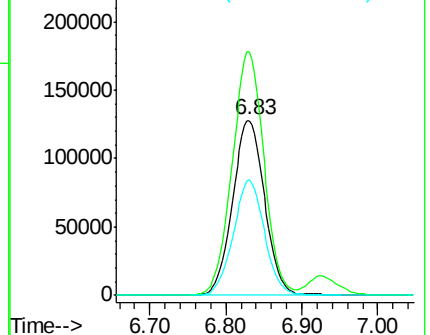
98 64.3 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053673.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053673.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053673.D (-1480) (-)



#28

Bromochloromethane

Concen: 49.610 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

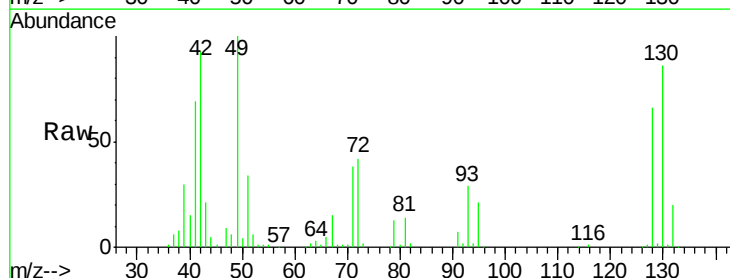
Tgt Ion: 49 Resp: 273536

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

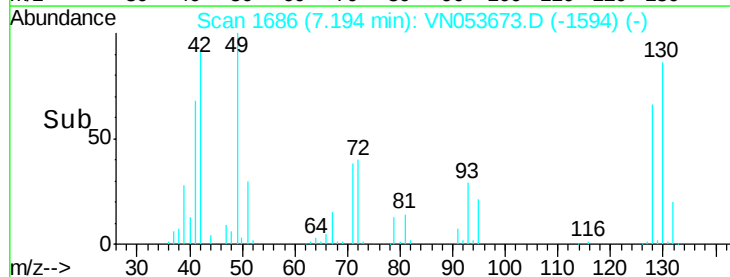
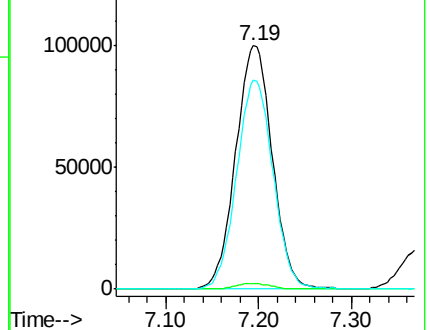
130 85.4 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN053673.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053673.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053673.D (-1594) (-)

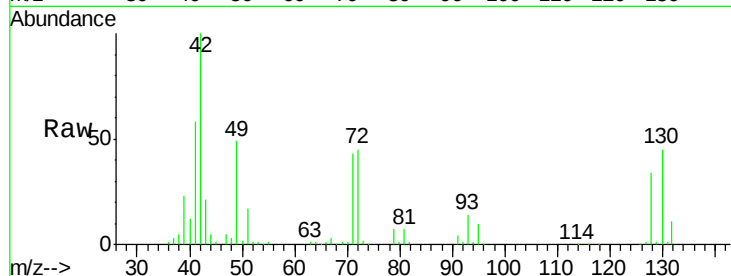




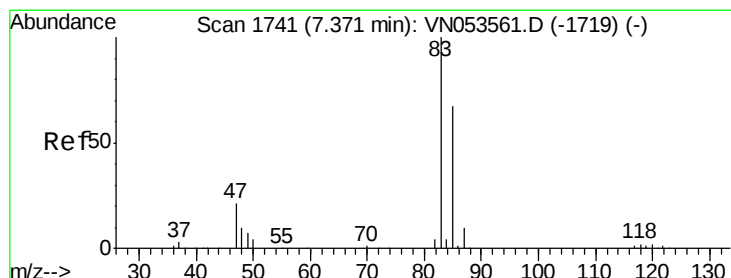
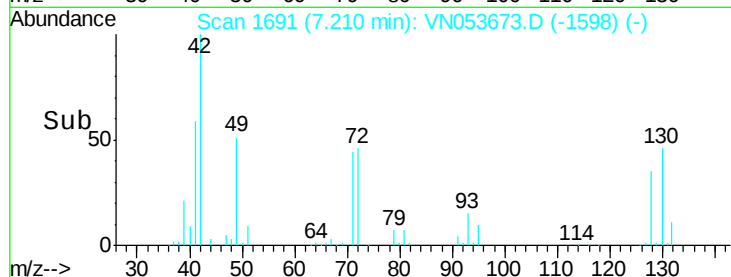
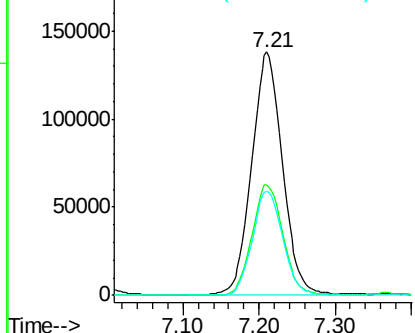
#29
Tetrahydrofuran
Concen: 236.289 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 388265
Ion Ratio Lower Upper
42 100
72 45.7 35.2 52.8
71 42.5 33.0 49.4

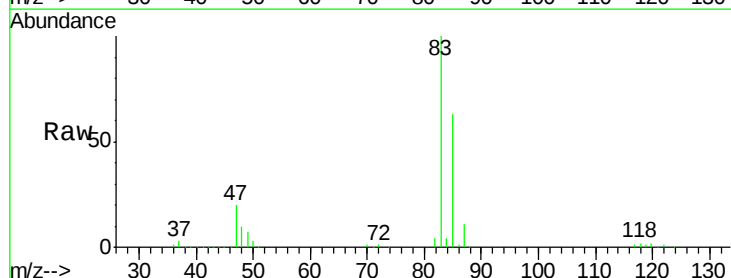


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

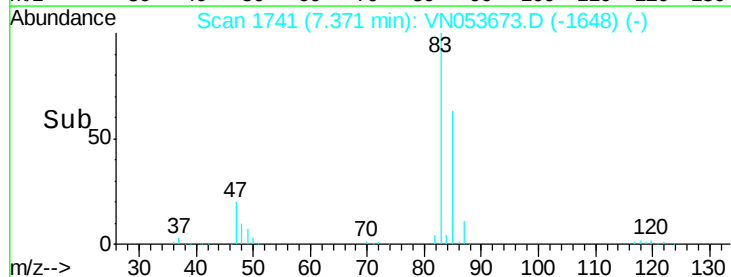
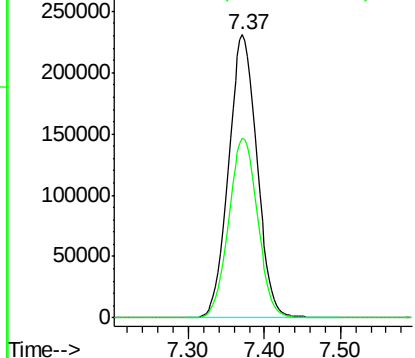


#30
Chloroform
Concen: 47.606 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 83 Resp: 599605
Ion Ratio Lower Upper
83 100
85 63.3 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: 46.299 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

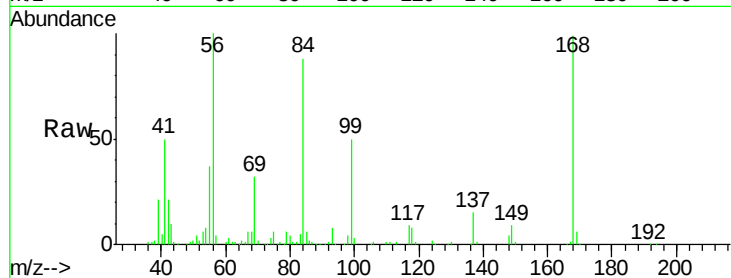
Tot Ion: 56 Resp: 547850

Ion Ratio Lower Upper

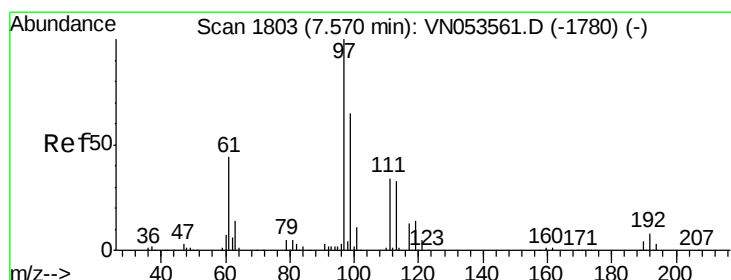
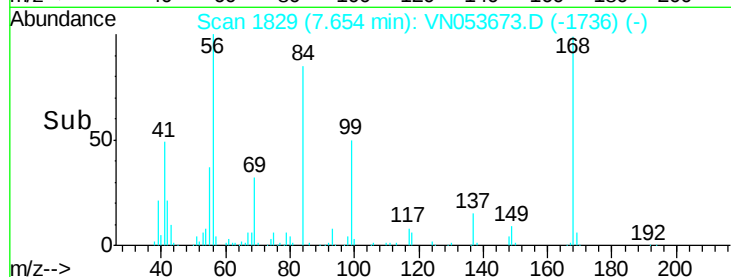
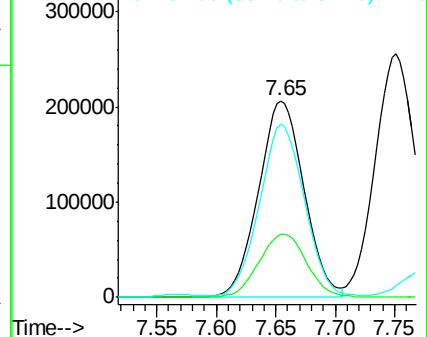
56 100

69 31.9 26.4 39.6

84 87.0 67.9 101.9



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



#32

1,1,1-Trichloroethane

Concen: 48.435 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

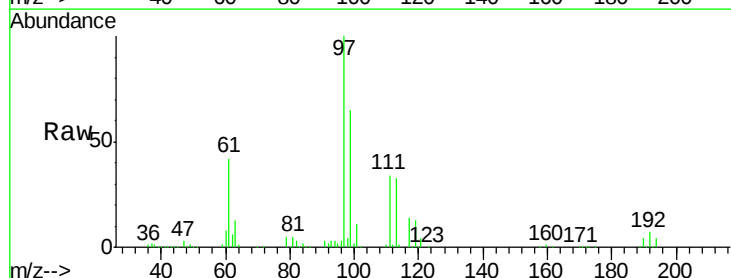
Tgt Ion: 97 Resp: 507682

Ion Ratio Lower Upper

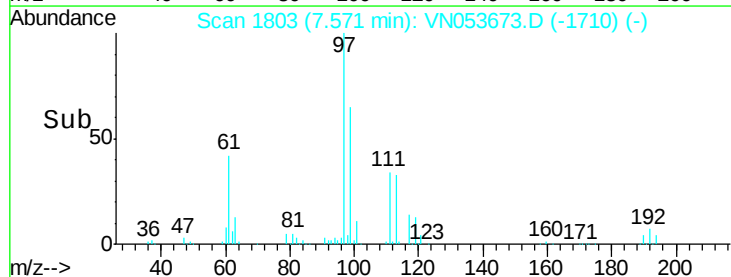
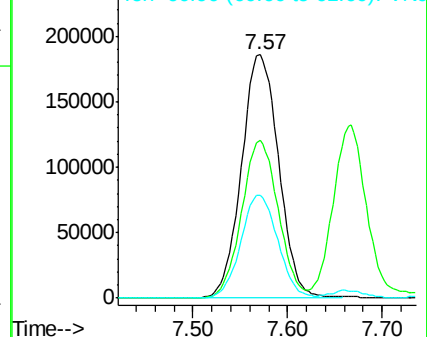
97 100

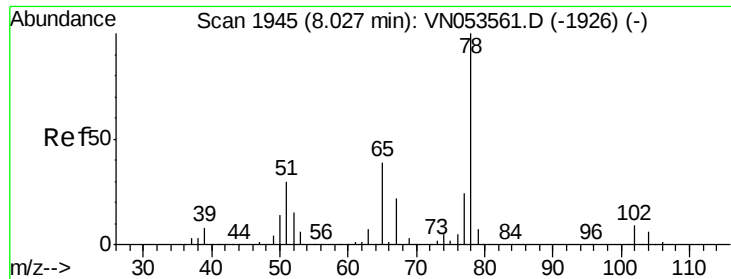
99 63.9 52.0 78.0

61 42.2 34.4 51.6



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

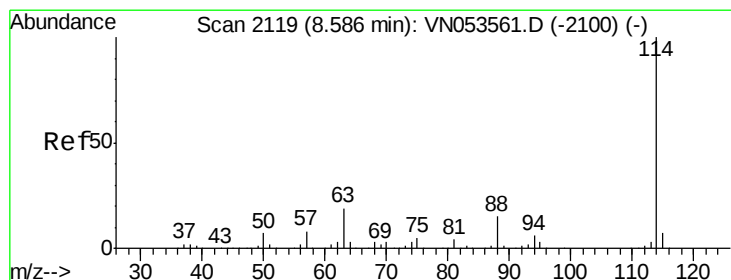
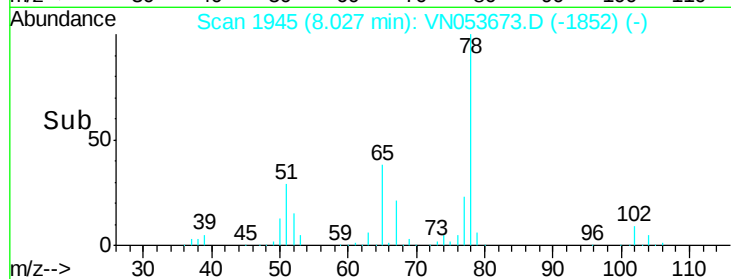
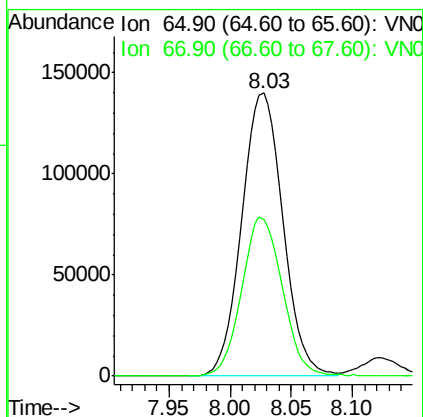
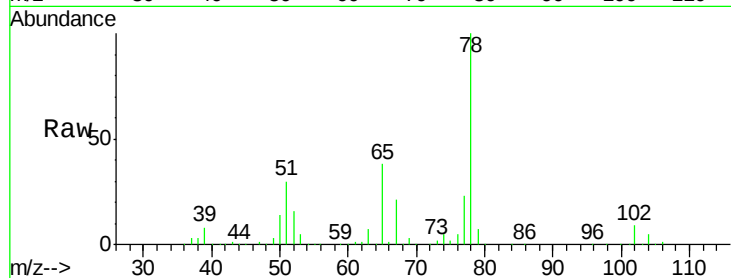




#33
 1,2-Dichloroethane-d4
 Concen: 48.435 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

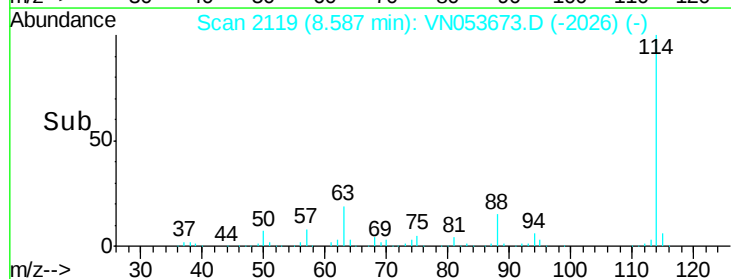
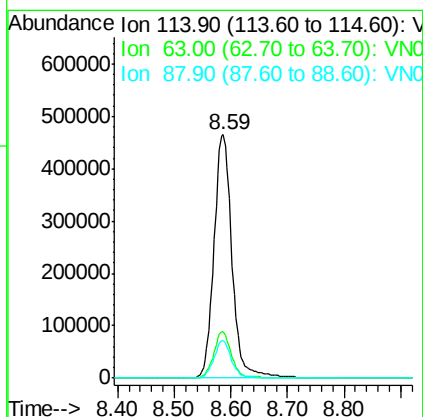
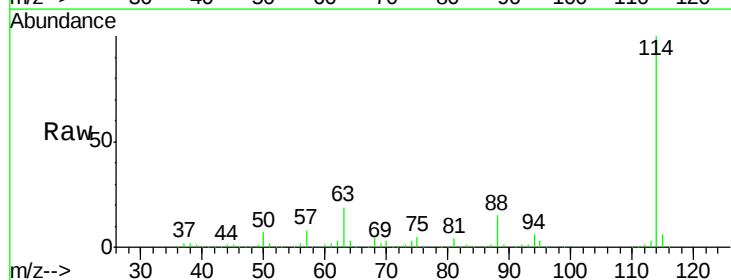
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 327730
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion: 114 Resp: 1028477
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.3 0.0 30.4

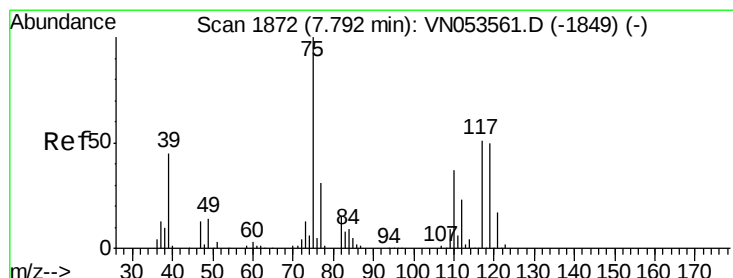
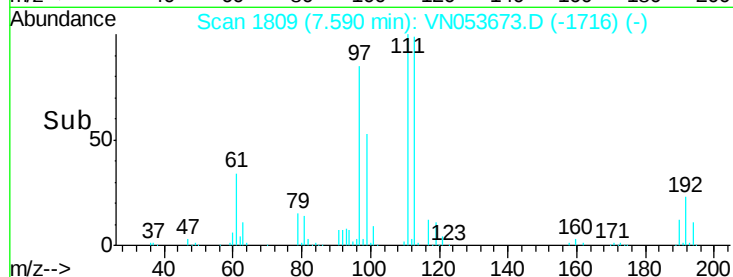
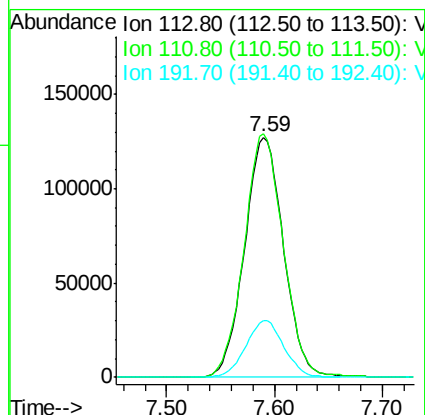
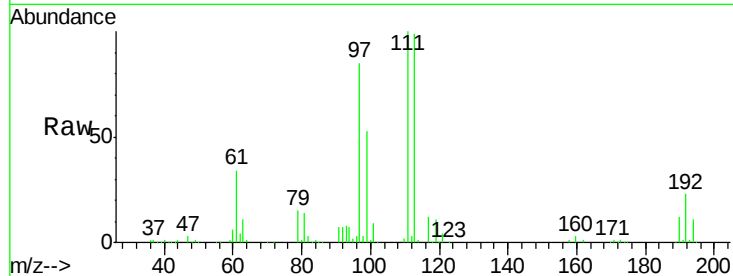




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

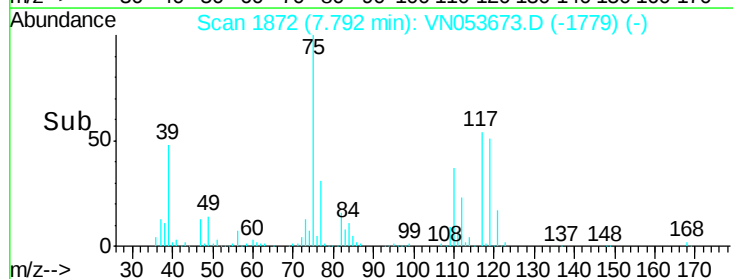
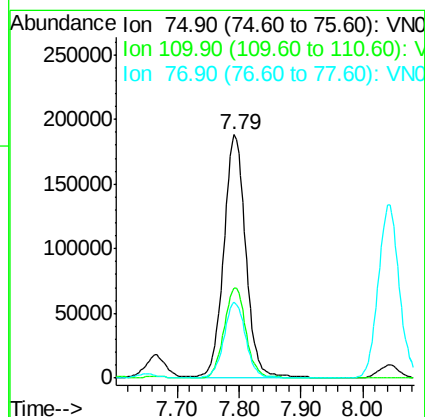
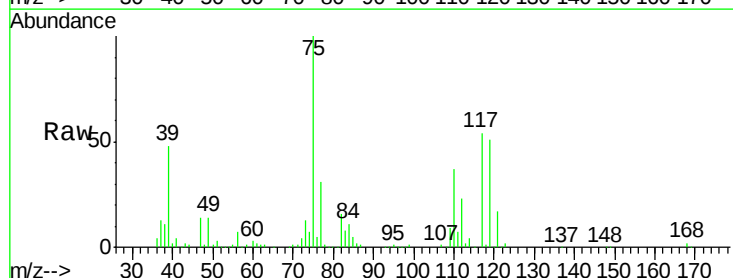
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

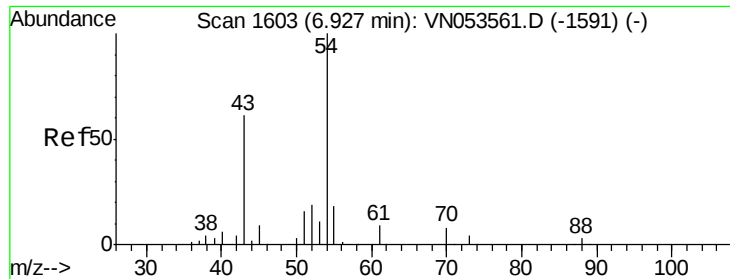
Tot Ion:113 Resp: 319719
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 23.2 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 50.071 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion: 75 Resp: 464215
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.3
 77 31.1 25.1 37.7

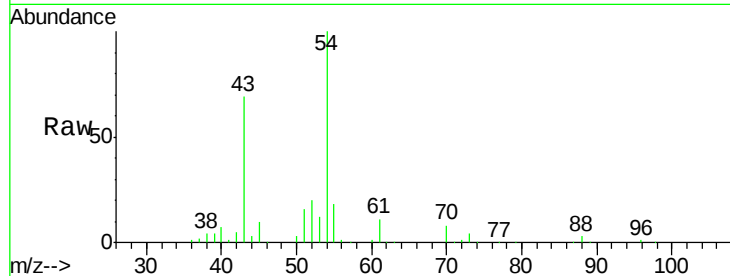




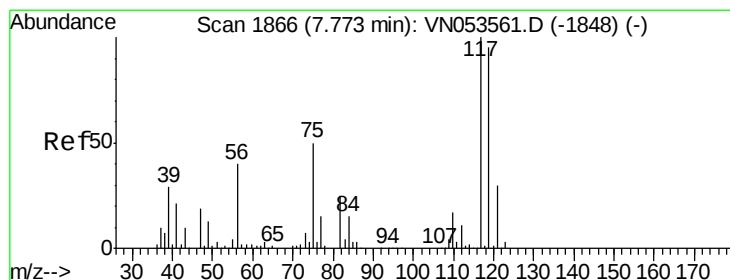
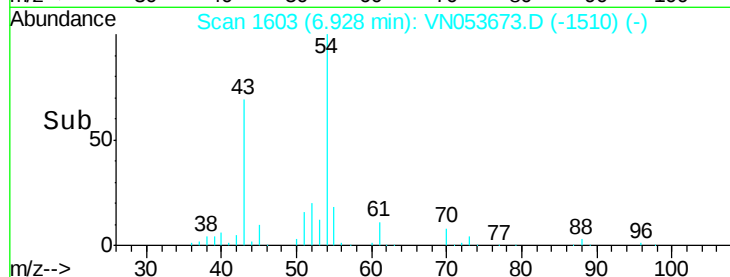
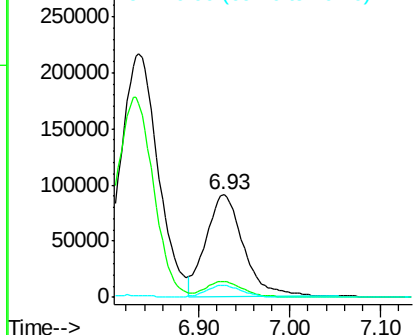
#37
Ethyl Acetate
Concen: 50.129 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 259565
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.6
70 10.8 8.6 12.8

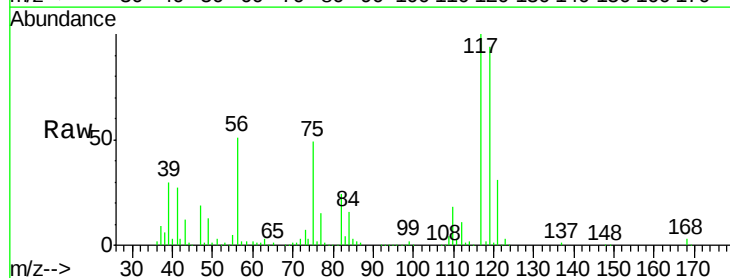


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

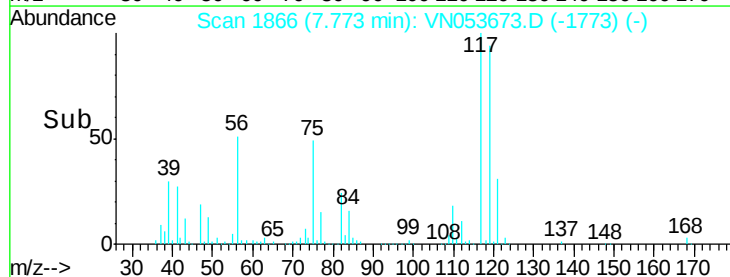
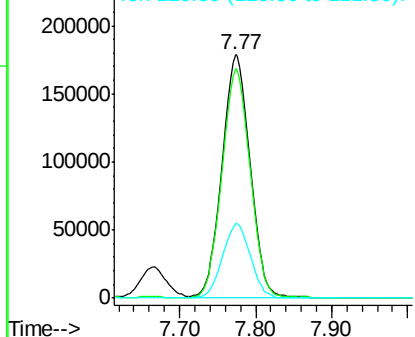


#38
Carbon Tetrachloride
Concen: 49.181 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 117 Resp: 459332
Ion Ratio Lower Upper
117 100
119 94.4 77.2 115.8
121 30.6 24.6 37.0



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

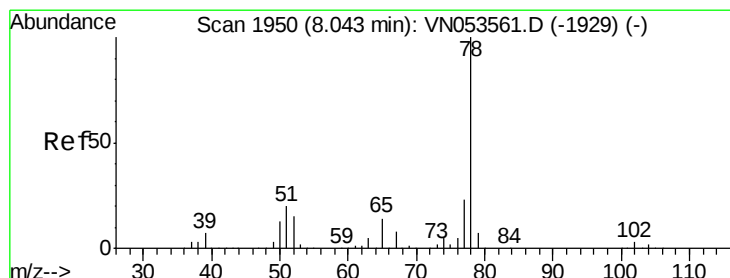
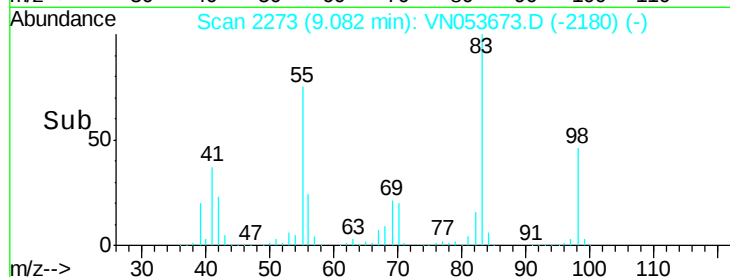
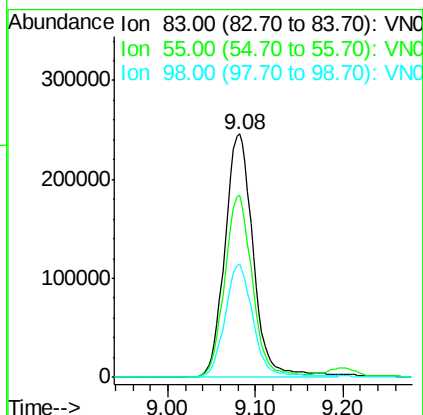
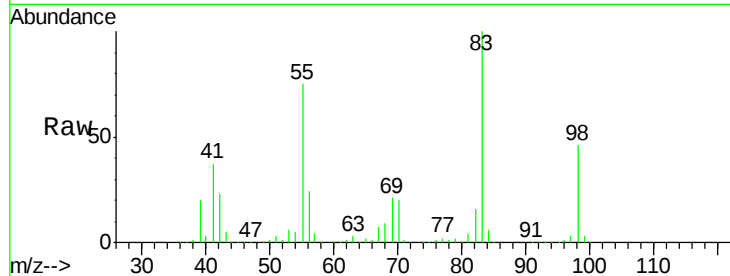




#39
Methvlcvclohexane
Concen: 50.597 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

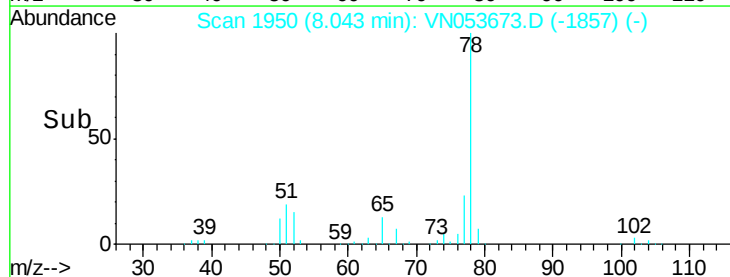
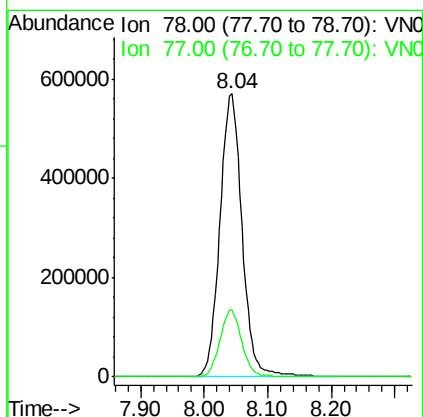
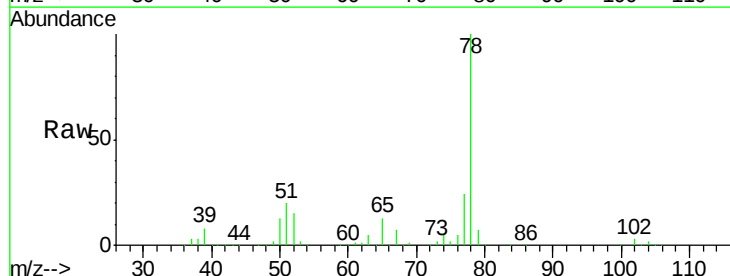
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

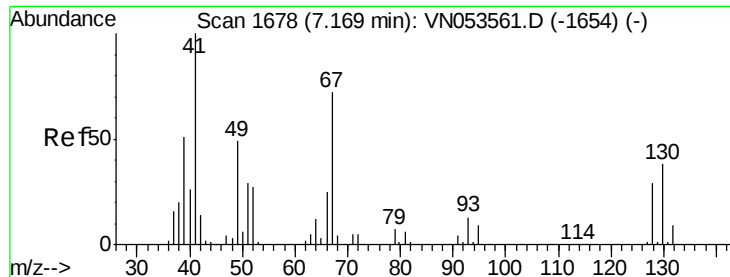
Tot Ion: 83 Resp: 556521
Ion Ratio Lower Upper
83 100
55 74.7 60.1 90.1
98 46.2 36.6 55.0



#40
Benzene
Concen: 48.361 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 78 Resp: 1382628
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2

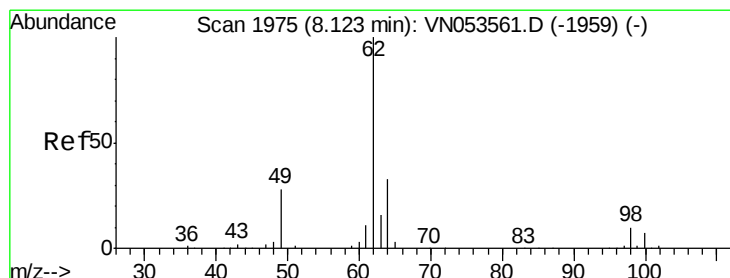
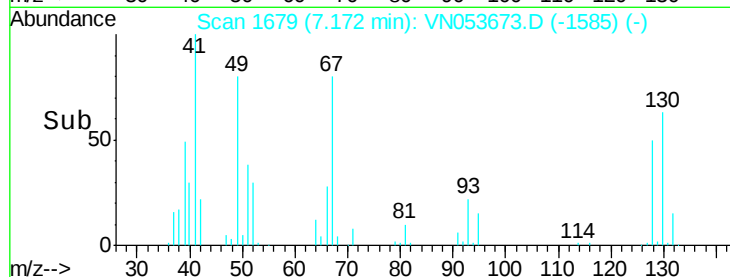
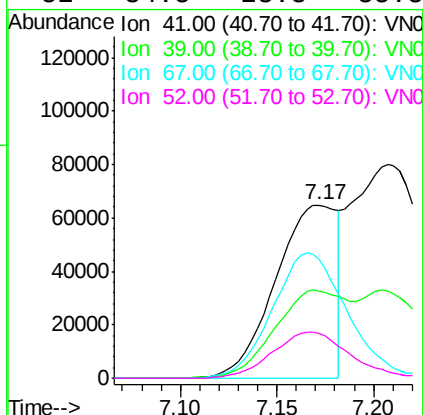
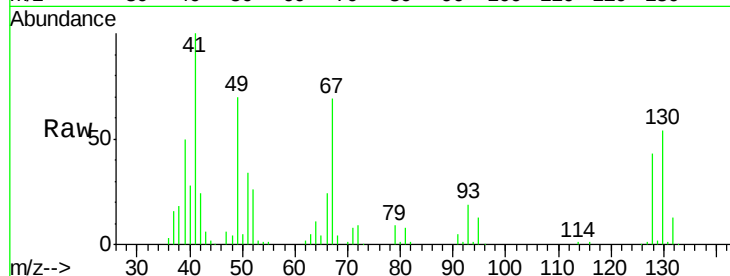




#41
Methacrylonitrile
Concen: 49.398 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

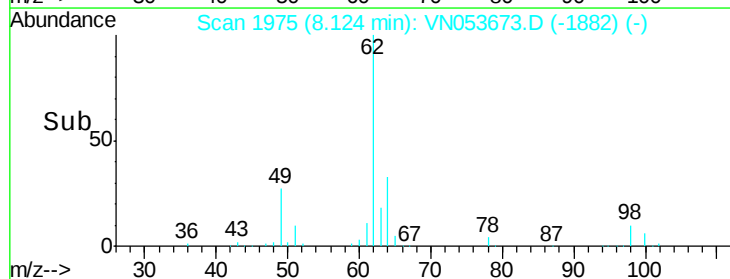
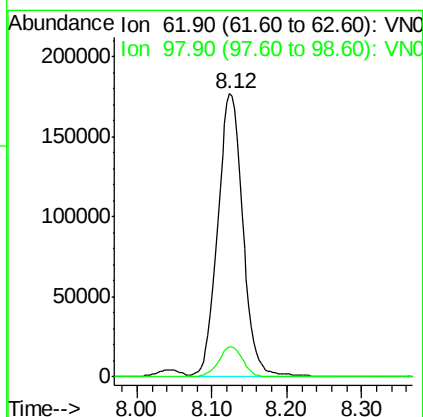
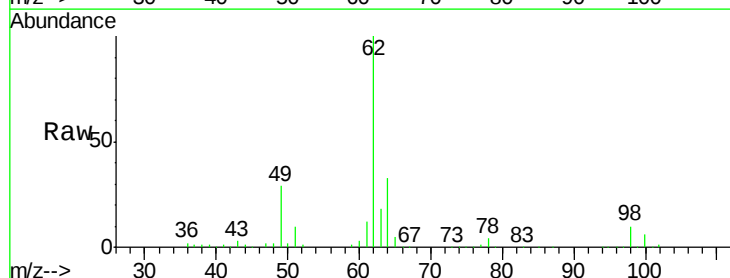
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

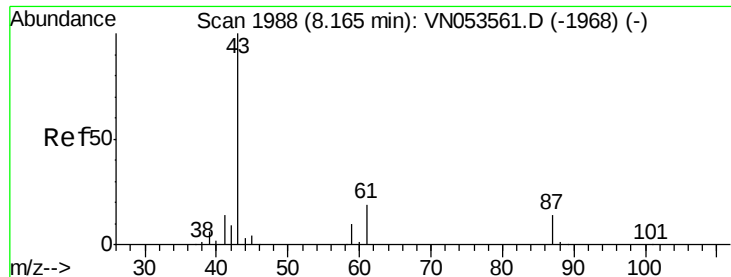
Tot Ion:	41	Resp:	142956
Ion	Ratio	Lower	Upper
41	100		
39	62.9	46.8	70.2
67	89.0	63.0	94.6
52	34.5	23.8	35.8



#42
1,2-Dichloroethane
Concen: 48.466 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion:	62	Resp:	411420
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.6



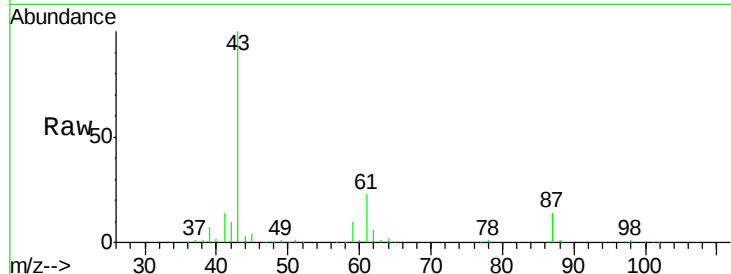


#43

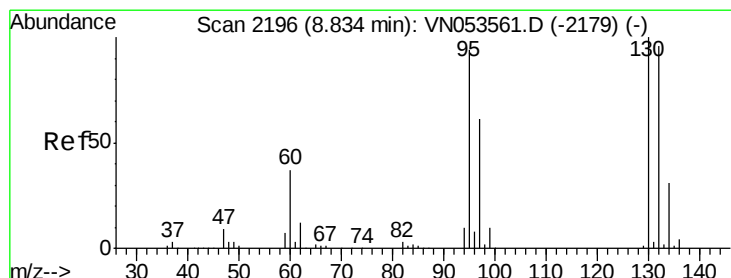
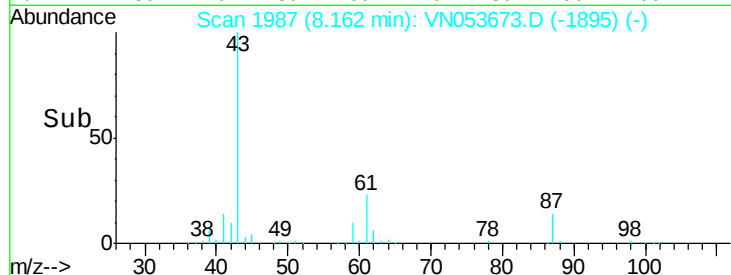
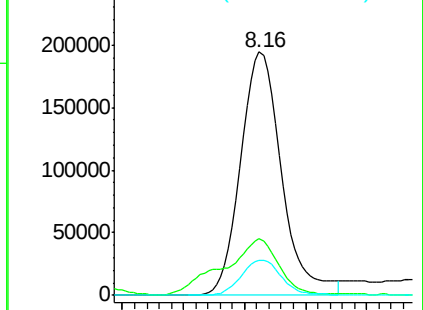
Isopropyl Acetate
 Concen: 45.094 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 450923
 Ion Ratio Lower Upper
 43 100
 61 30.7 23.9 35.9
 87 14.2 11.0 16.6



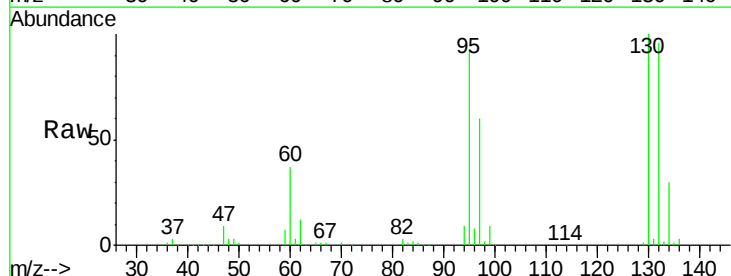
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



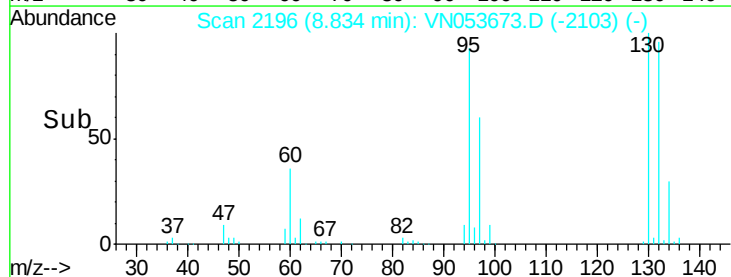
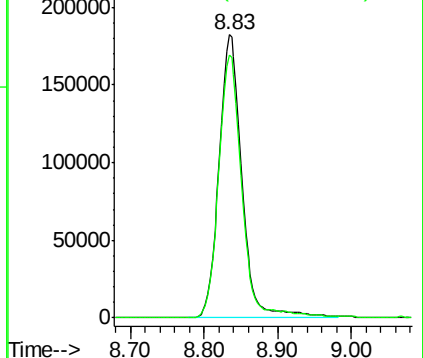
#44

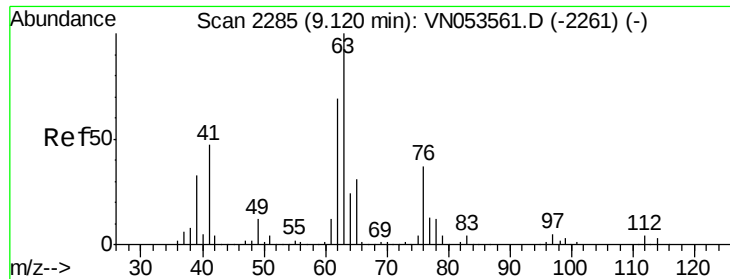
Trichloroethene
 Concen: 48.305 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion:130 Resp: 393166
 Ion Ratio Lower Upper
 130 100
 95 92.9 0.0 191.4



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

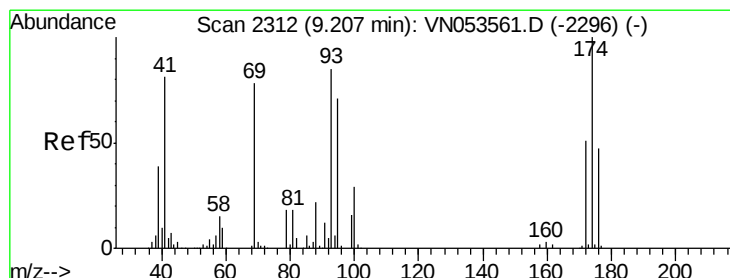
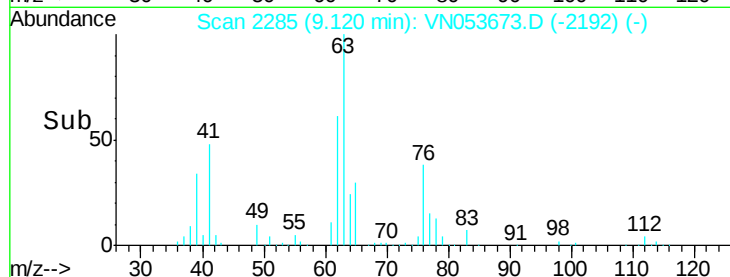
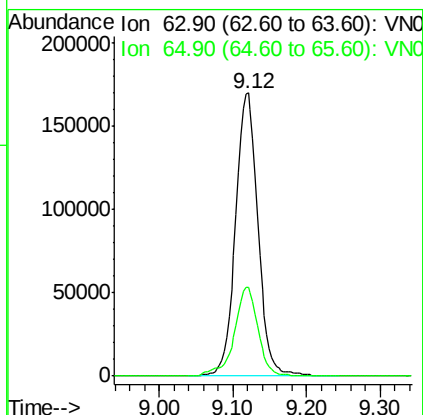
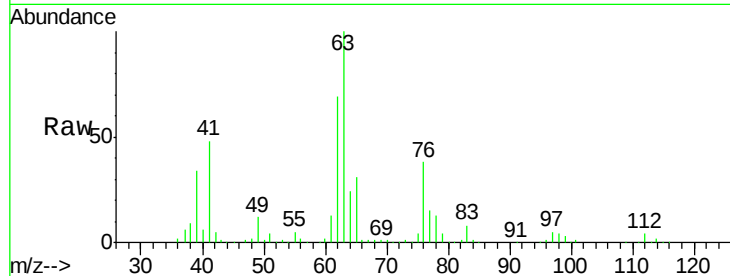




#45
 1,2-Dichloropropane
 Concen: 49.378 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

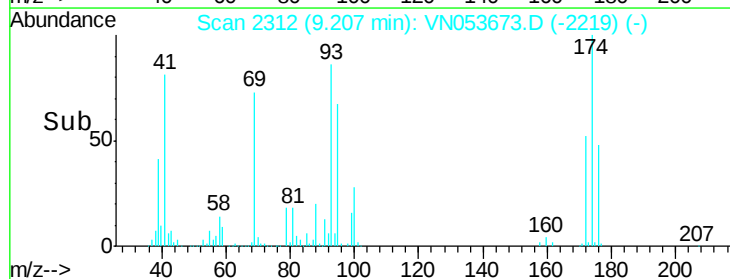
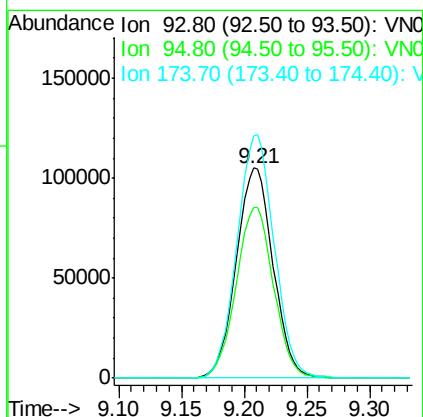
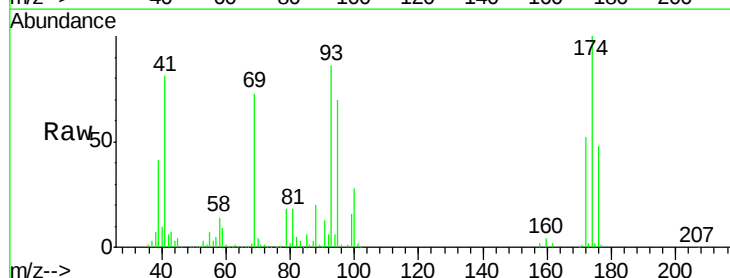
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 361078
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.4



#46
 Dibromomethane
 Concen: 48.817 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion: 93 Resp: 215191
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.3 100.9
 174 117.0 91.0 136.4





#47

Bromodichloromethane

Concen: 49.913 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

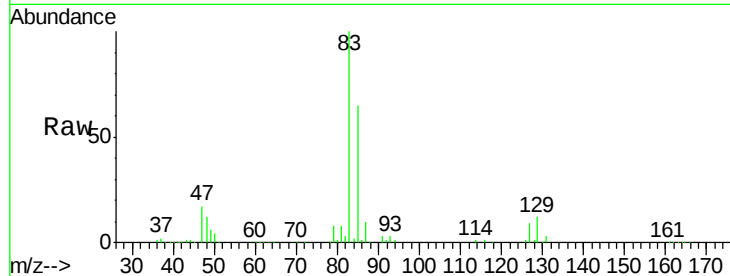
Tot Ion: 83 Resp: 457464

Ion Ratio Lower Upper

83 100

85 64.8 51.0 76.6

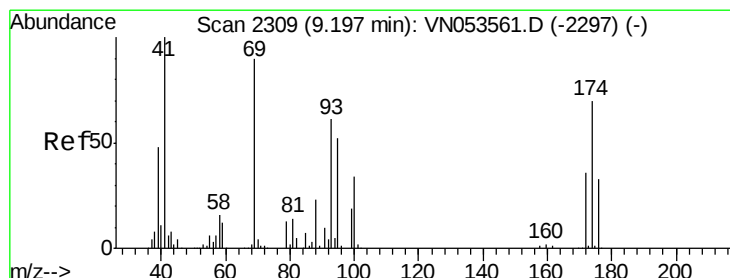
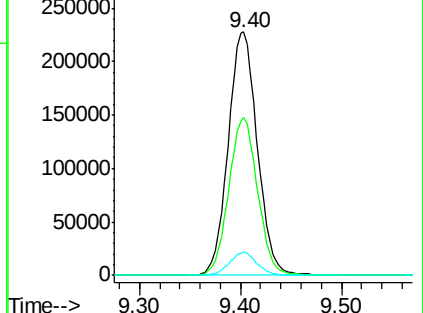
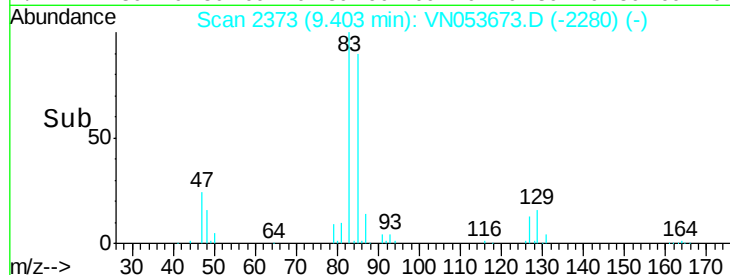
127 9.5 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053673.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053673.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053673.D (-2280) (-)



#48

Methyl methacrylate

Concen: 46.533 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

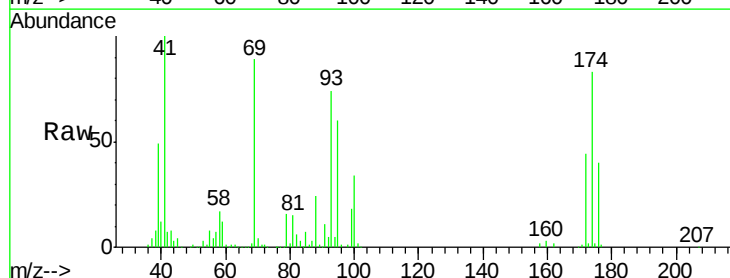
Tgt Ion: 41 Resp: 222114

Ion Ratio Lower Upper

41 100

69 99.6 73.8 110.6

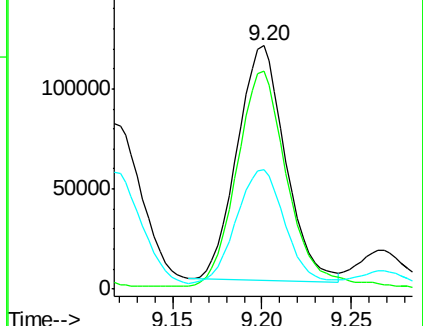
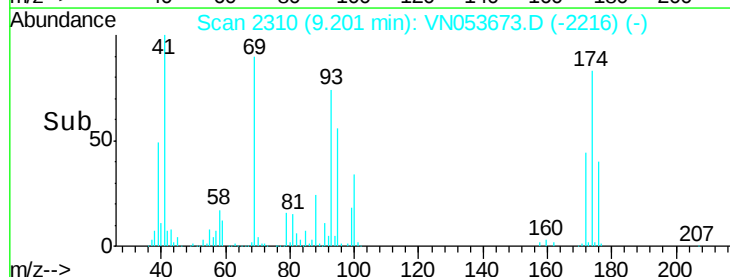
39 54.4 40.0 60.0

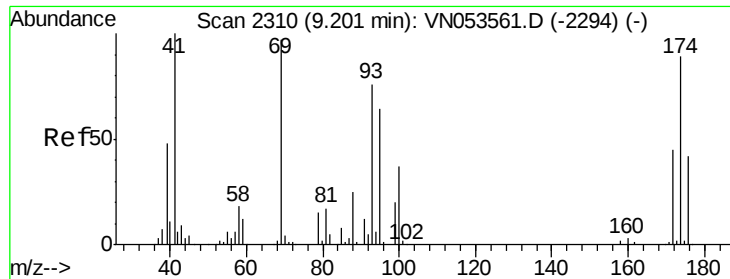


Abundance Ion 41.00 (40.70 to 41.70): VN053673.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053673.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053673.D (-2216) (-)

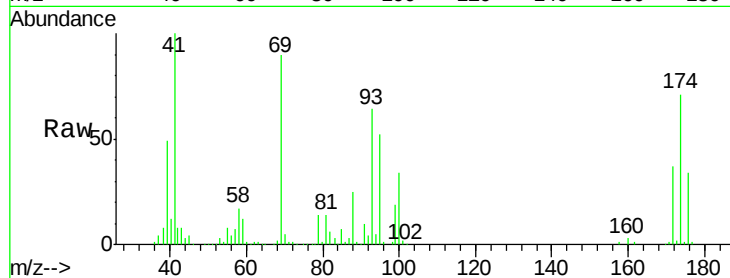




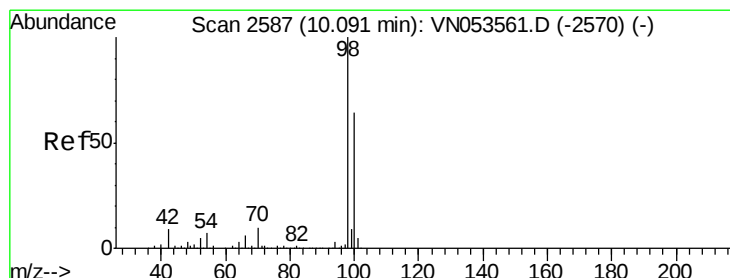
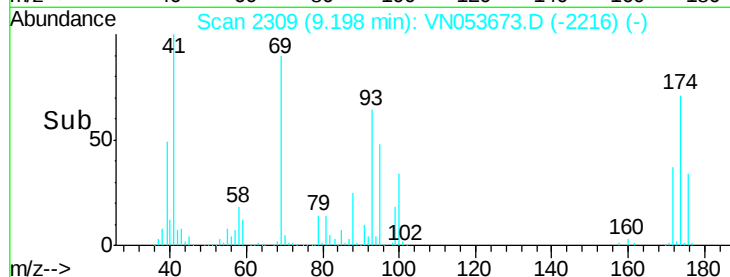
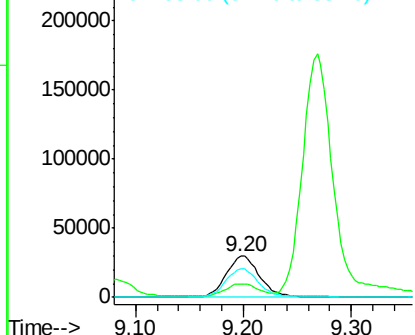
#49
1,4-Dioxane
Concen: 947.459 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 65383
Ion Ratio Lower Upper
88 100
43 27.8 27.8 41.6
58 67.4 56.5 84.7

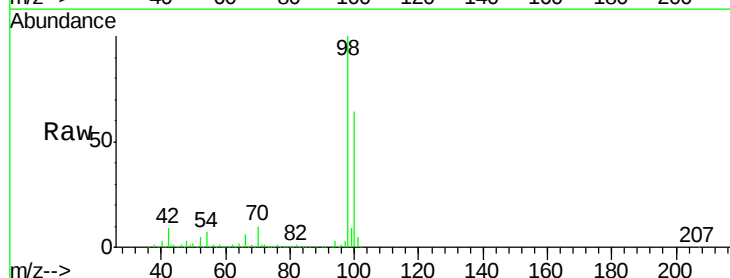


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

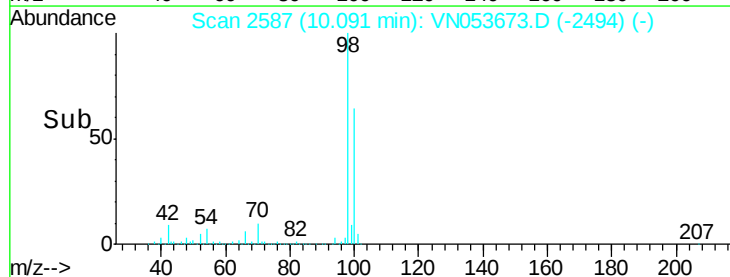
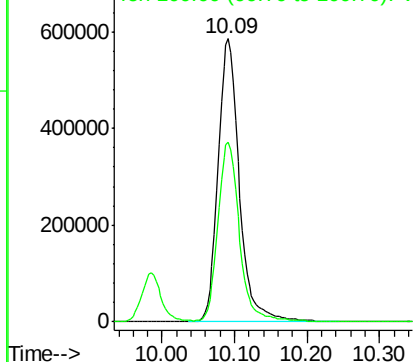


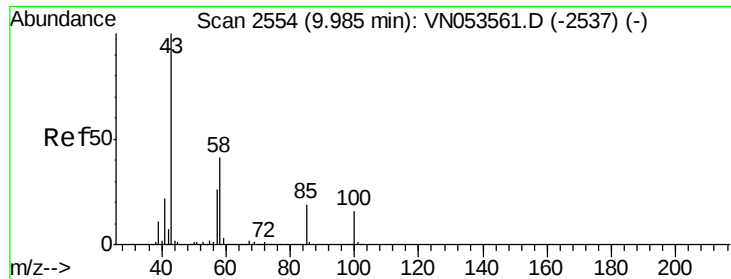
#50
Toluene-d8
Concen: 947.459 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 98 Resp: 1190995
Ion Ratio Lower Upper
98 100
100 64.6 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: 244.529 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

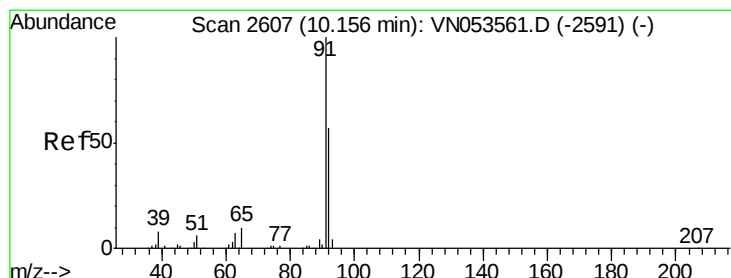
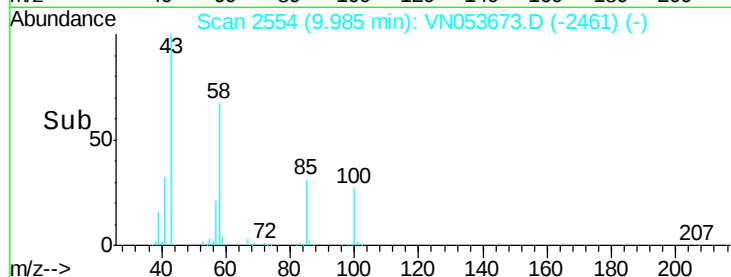
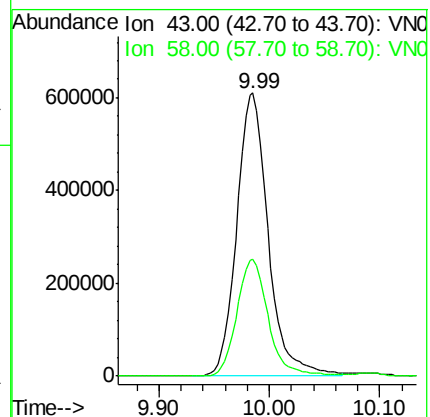
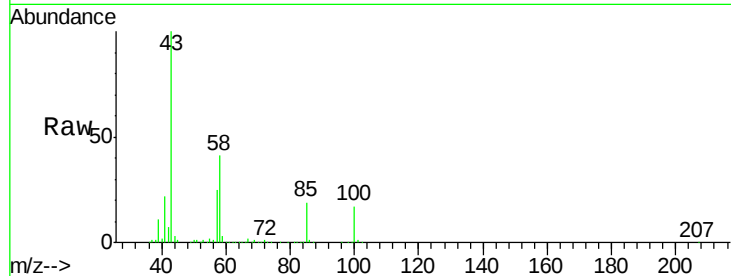
VSTDCCC050

Tot Ion: 43 Resp: 1201585

Ion Ratio Lower Upper

43 100

58 41.4 32.8 49.2



#52

Toluene

Concen: 49.832 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053673.D

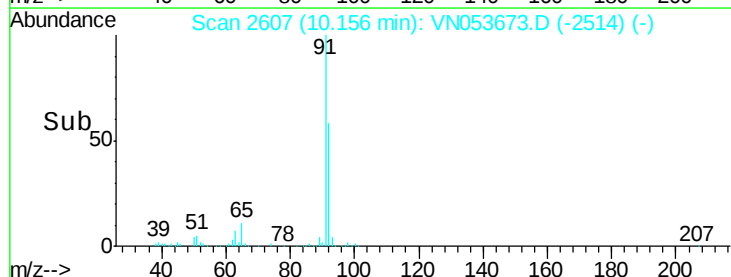
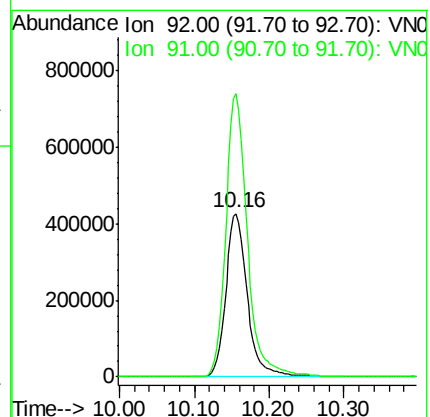
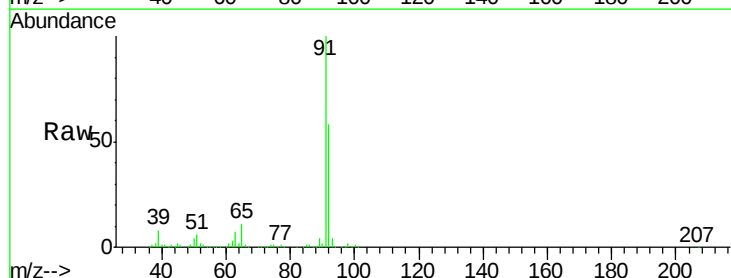
Acq: 8 Feb 2019 11:02

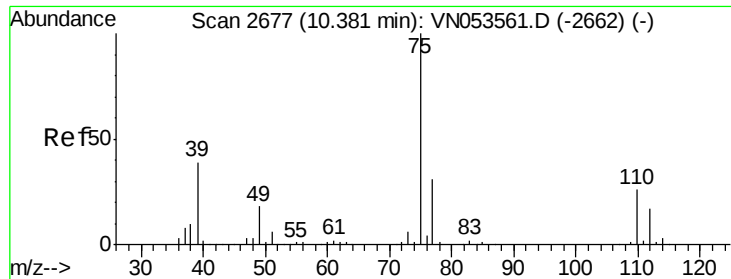
Tgt Ion: 92 Resp: 845531

Ion Ratio Lower Upper

92 100

91 173.9 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 49.881 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

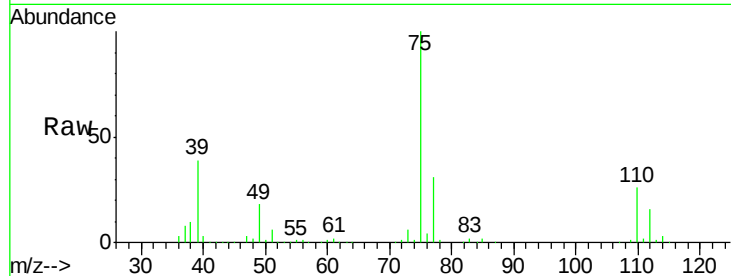
VSTDCCC050

Tot Ion: 75 Resp: 457784

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

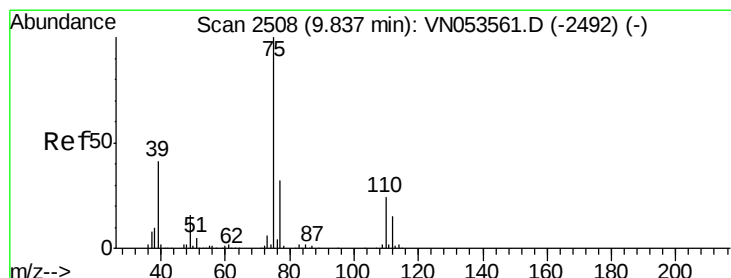
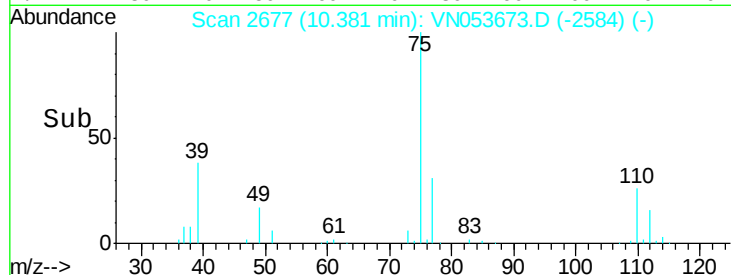
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.569 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

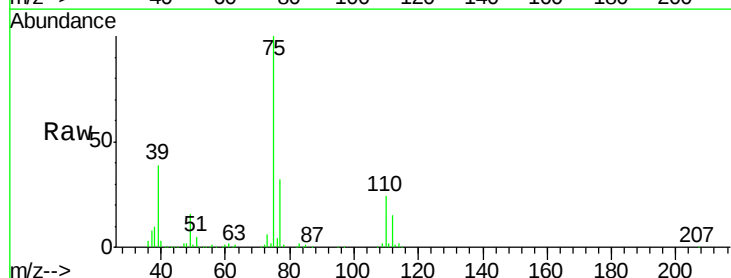
Tgt Ion: 75 Resp: 539079

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.6

39 38.8 33.4 50.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

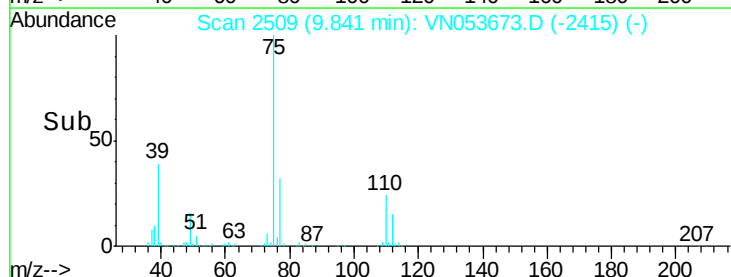
300000

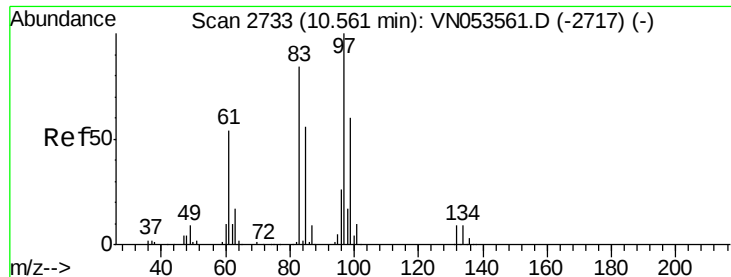
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.448 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 308447

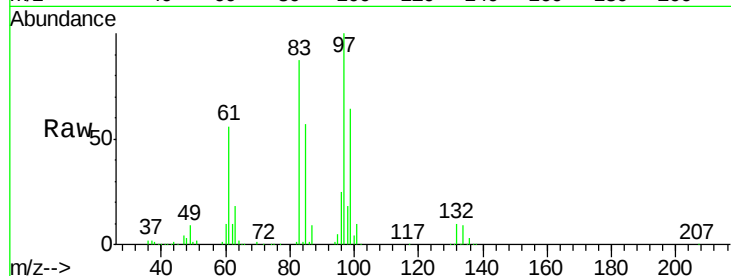
Ion Ratio Lower Upper

97 100

83 87.3 70.1 105.1

85 57.1 45.4 68.0

99 63.6 49.8 74.8

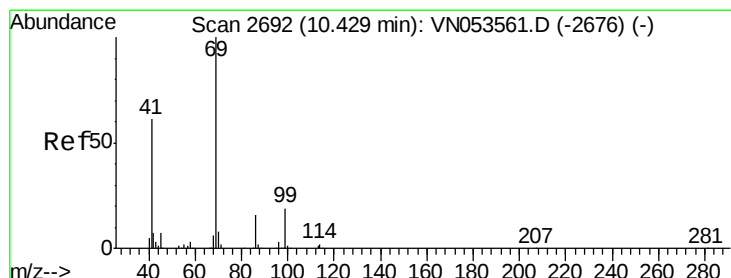
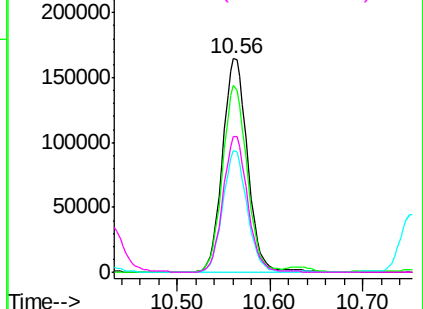
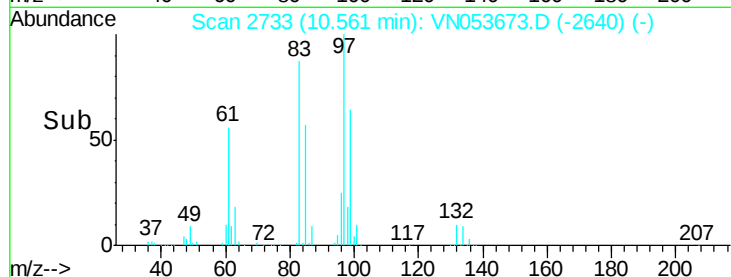


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 49.905 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

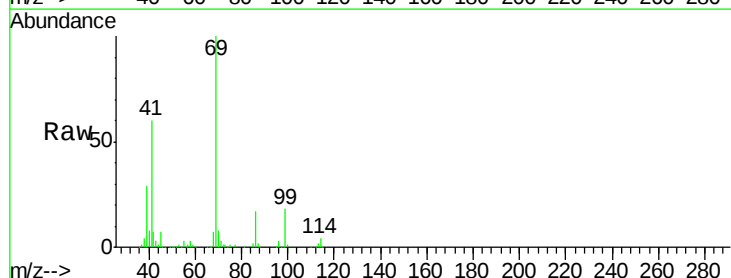
Tgt Ion: 69 Resp: 360966

Ion Ratio Lower Upper

69 100

41 59.9 49.4 74.0

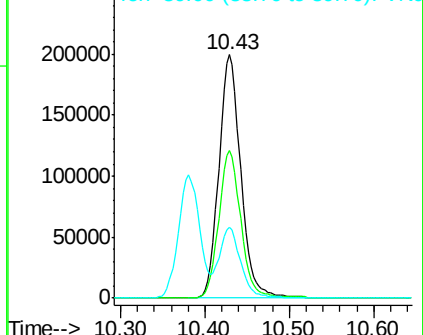
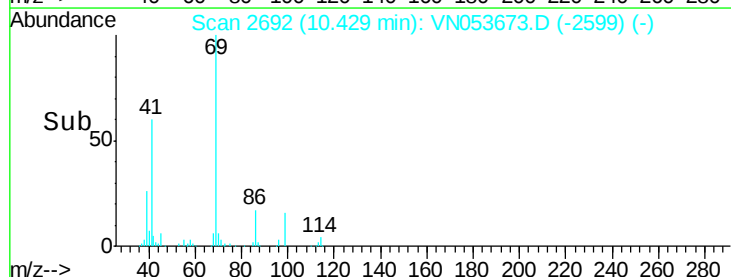
39 28.7 23.3 34.9

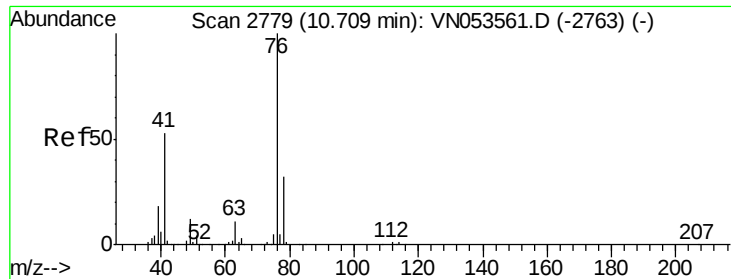


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

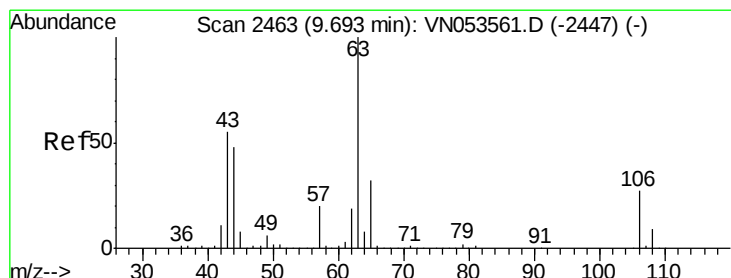
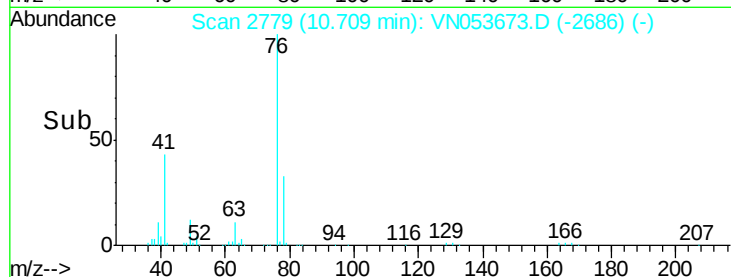
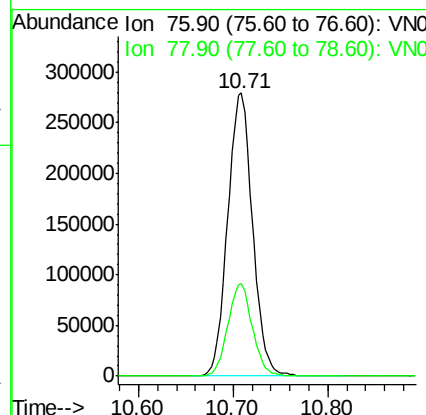
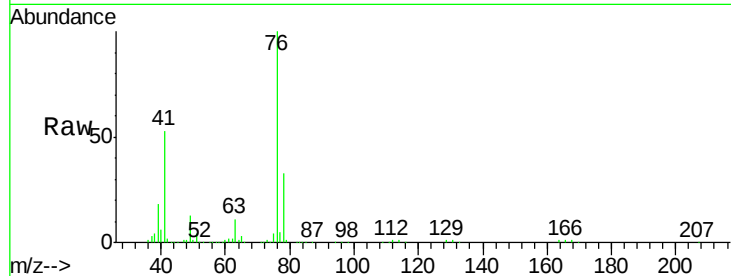




#57
 1,3-Dichloropropane
 Concen: 48.852 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

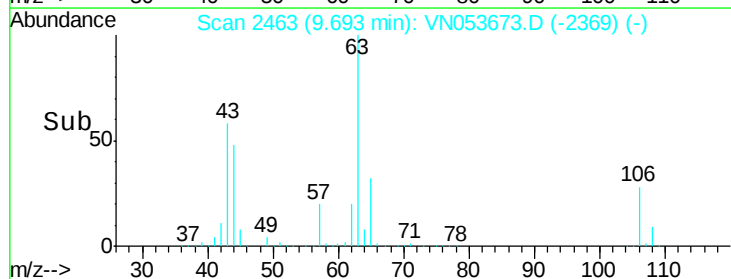
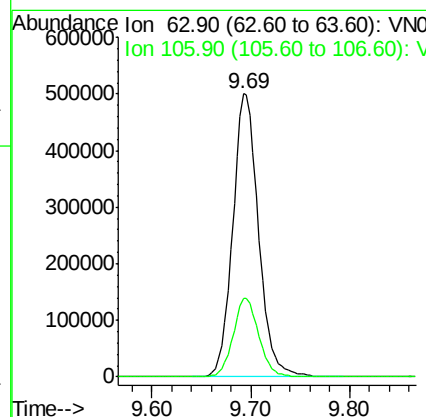
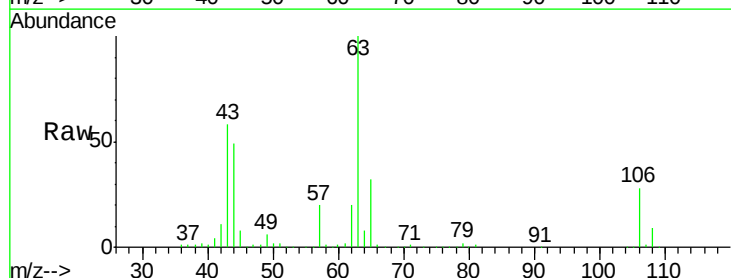
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

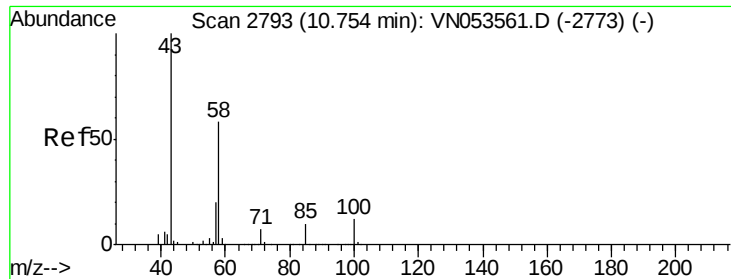
Tot Ion: 76 Resp: 510484
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 204.868 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion: 63 Resp: 912296
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.5 32.3

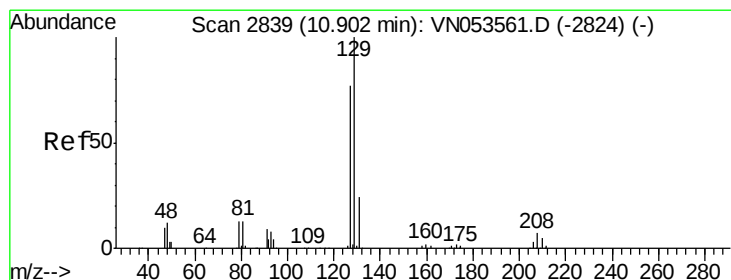
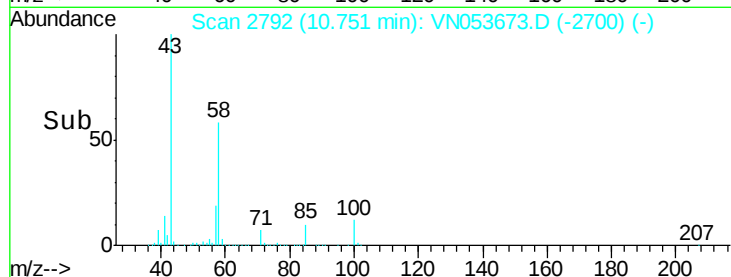
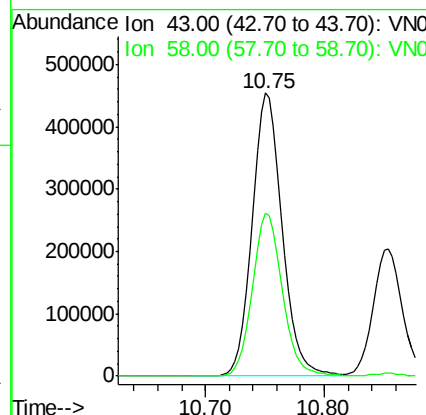
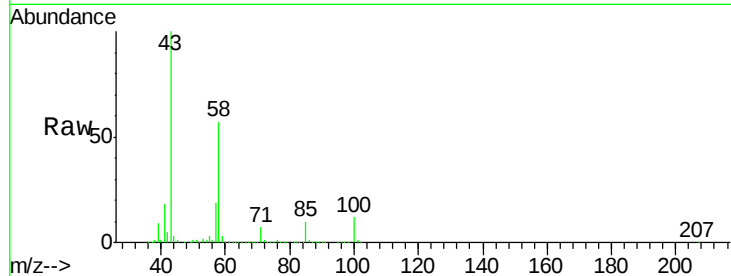




#59
2-Hexanone
Concen: 237.118 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

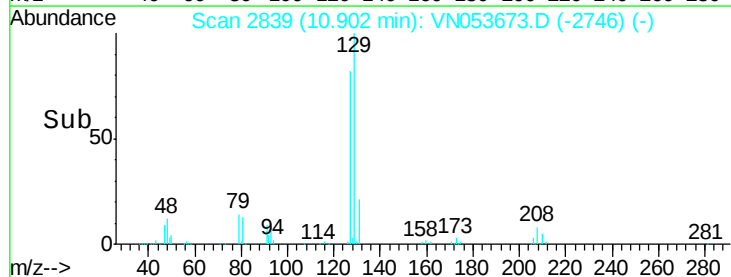
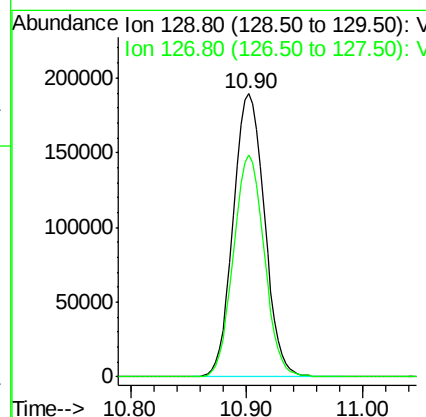
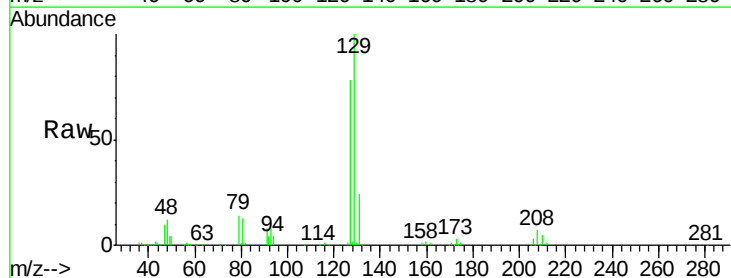
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

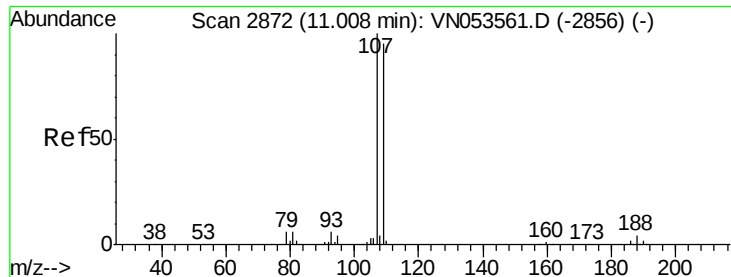
Tot Ion: 43 Resp: 790998
Ion Ratio Lower Upper
43 100
58 57.6 28.6 85.8



#60
Dibromochloromethane
Concen: 51.247 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 129 Resp: 353340
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 48.135 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

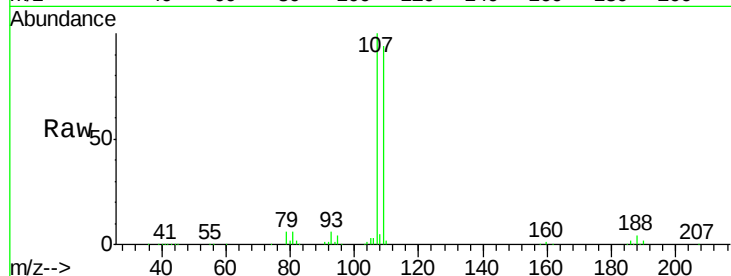
VSTDCCC050

Tot Ion:107 Resp: 291293

Ion Ratio Lower Upper

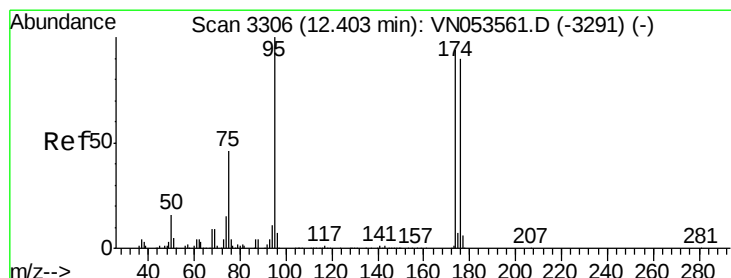
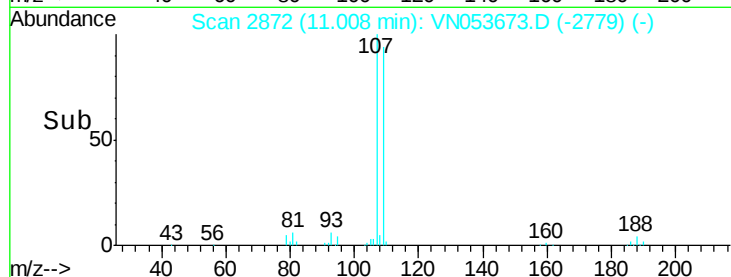
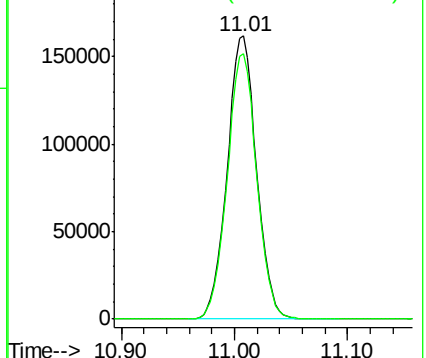
107 100

109 94.6 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.135 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

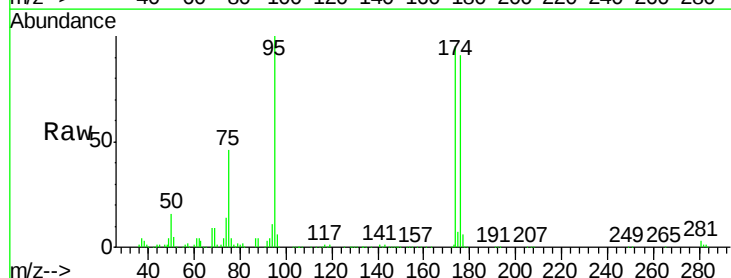
Tgt Ion: 95 Resp: 400558

Ion Ratio Lower Upper

95 100

174 94.6 0.0 183.2

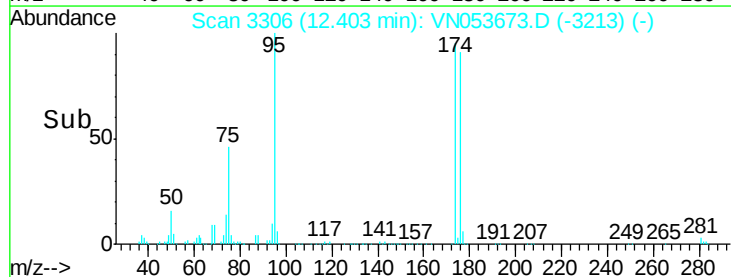
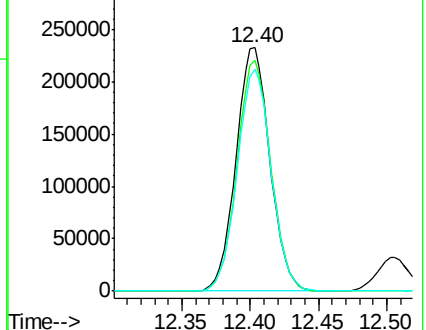
176 91.1 0.0 177.4

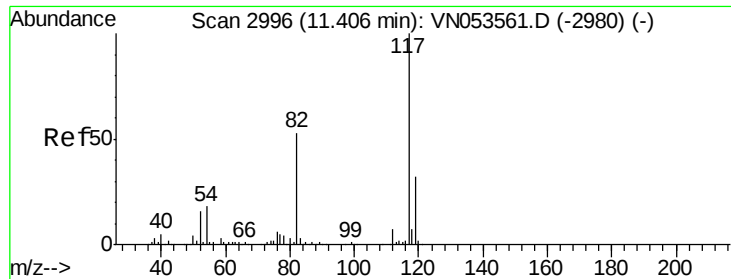


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

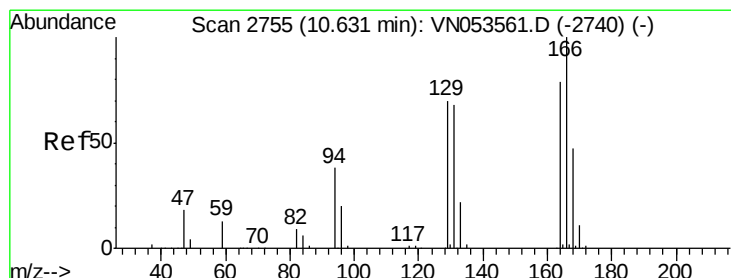
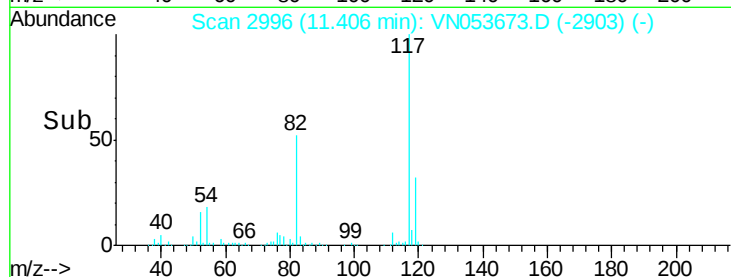
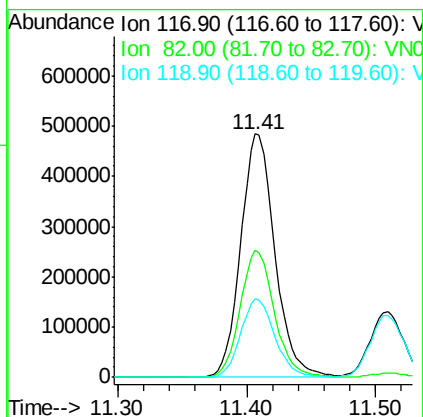
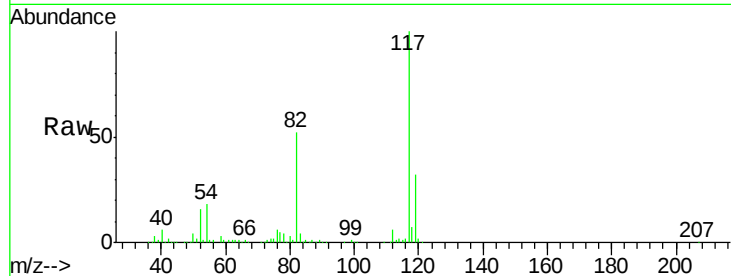




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

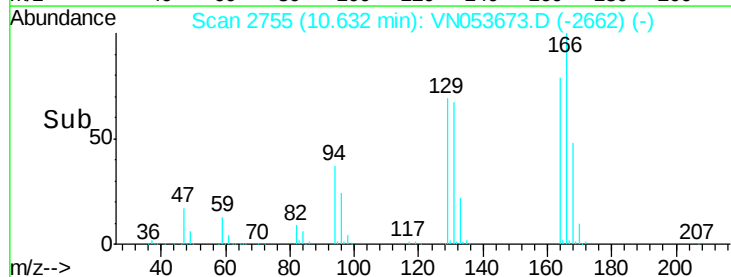
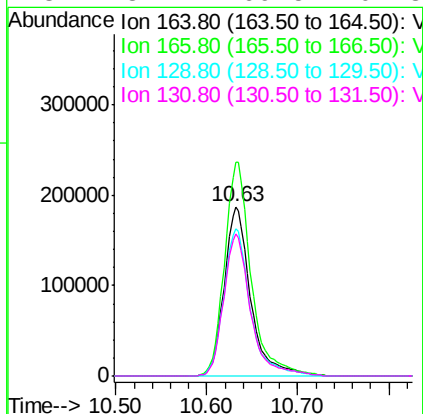
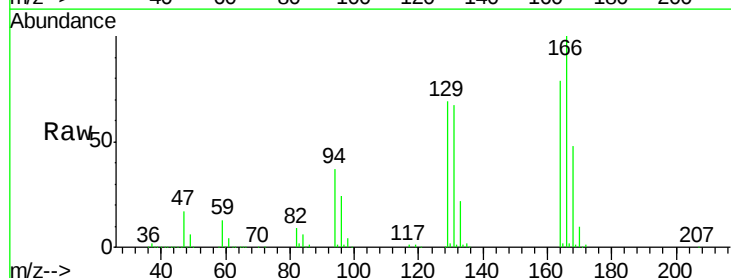
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 895185
Ion Ratio Lower Upper
117 100
82 52.0 42.9 64.3
119 32.3 26.0 39.0



#64
Tetrachloroethene
Concen: 49.275 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion:164 Resp: 378118
Ion Ratio Lower Upper
164 100
166 126.3 102.2 153.4
129 87.3 72.6 109.0
131 84.2 69.5 104.3

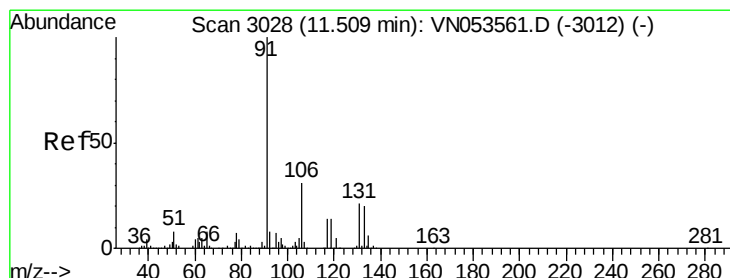
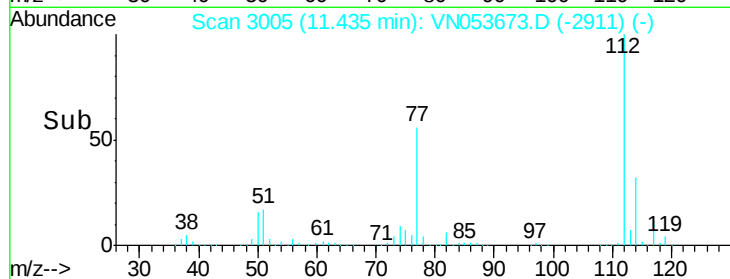
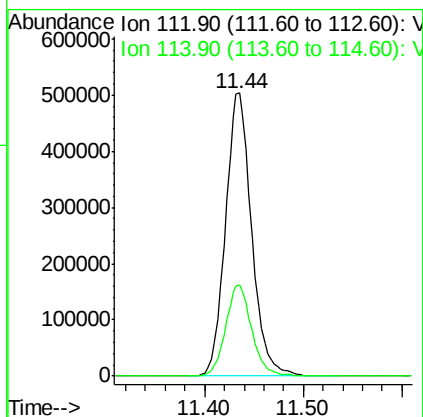
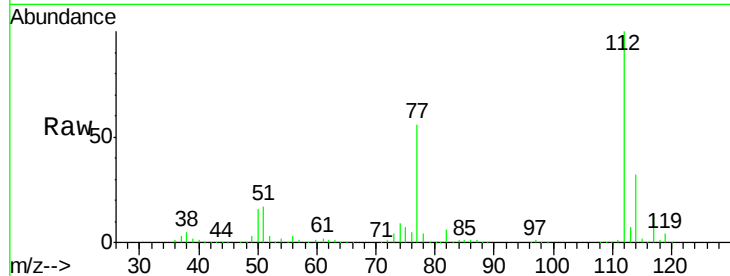




#65
Chlorobenzene
Concen: 49.062 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

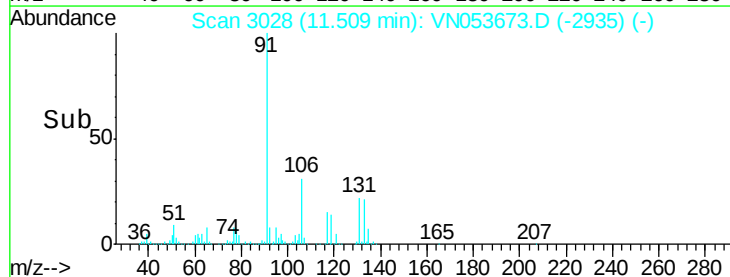
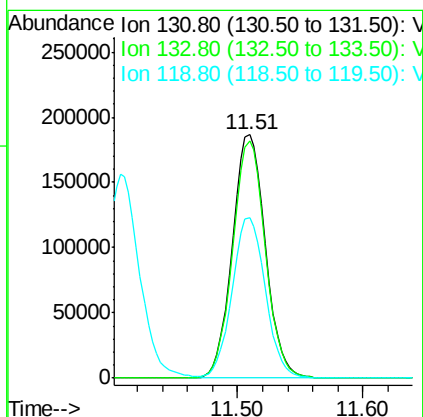
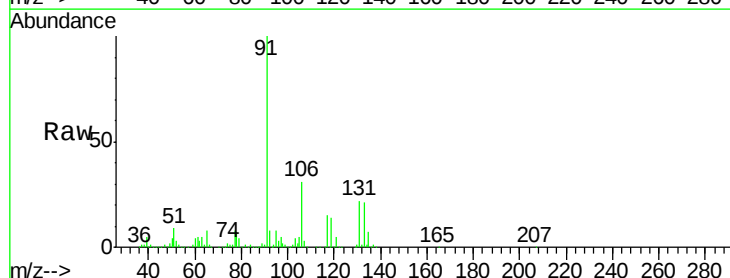
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

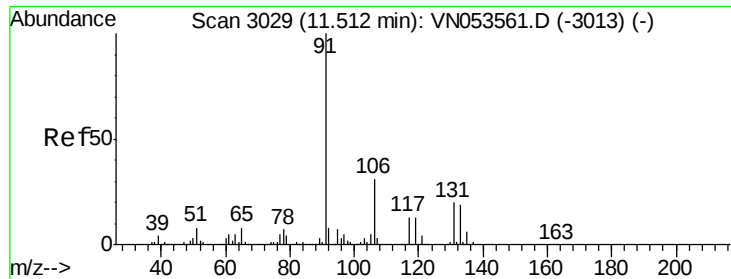
Tot Ion:112 Resp: 932890
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.422 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion:131 Resp: 341478
Ion Ratio Lower Upper
131 100
133 96.5 48.0 144.0
119 66.6 33.5 100.5

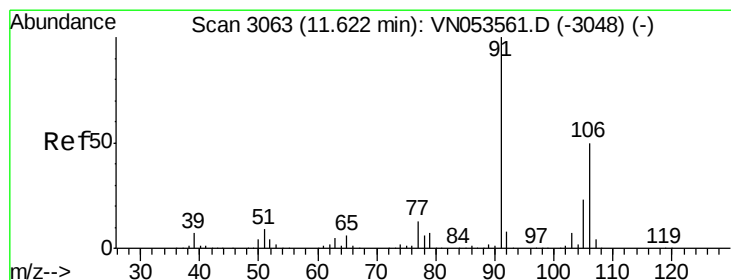
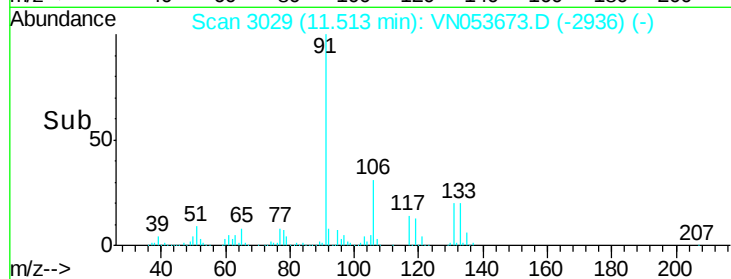
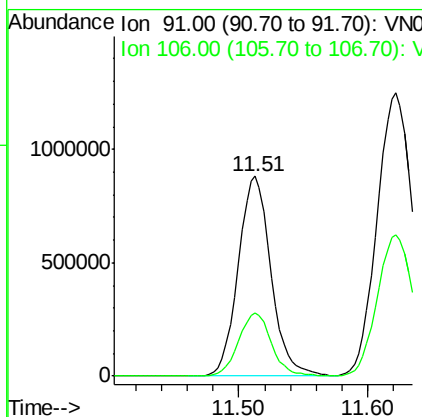
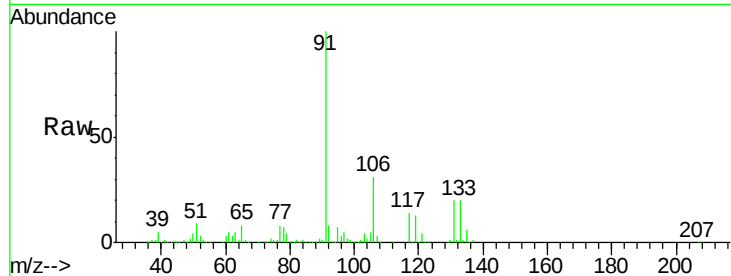




#67
Ethyl Benzene
Concen: 49.983 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

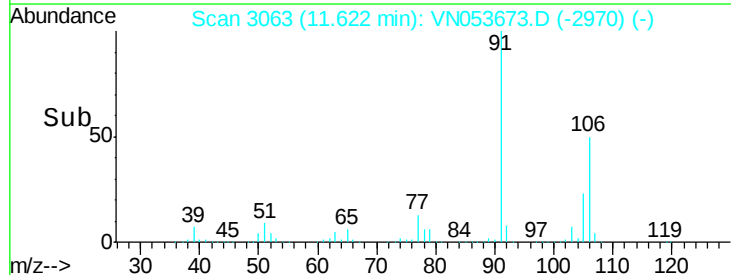
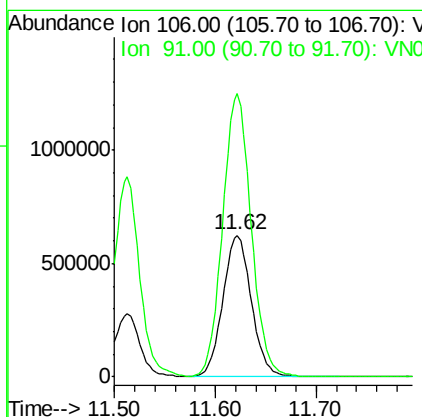
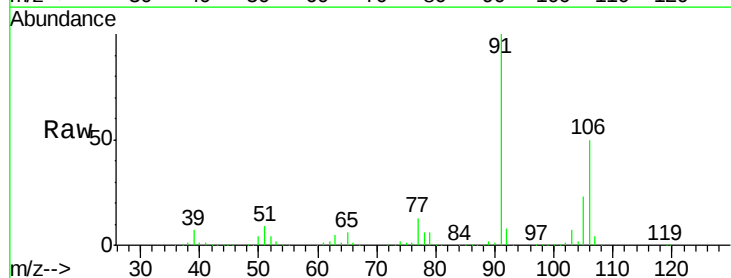
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

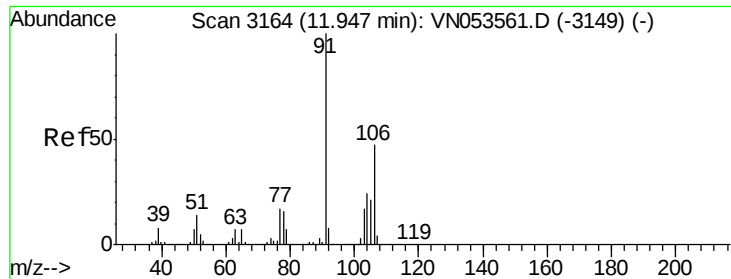
Tot Ion: 91 Resp: 1561231
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 103.305 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 106 Resp: 1231530
Ion Ratio Lower Upper
106 100
91 199.7 161.4 242.2

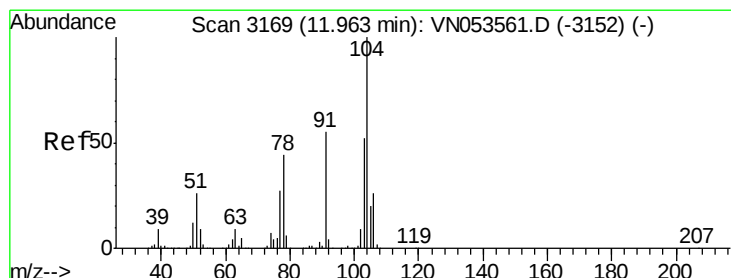
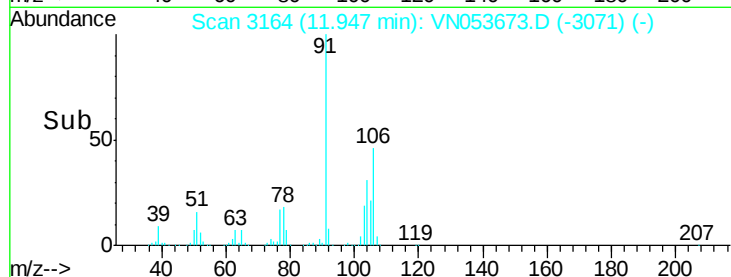
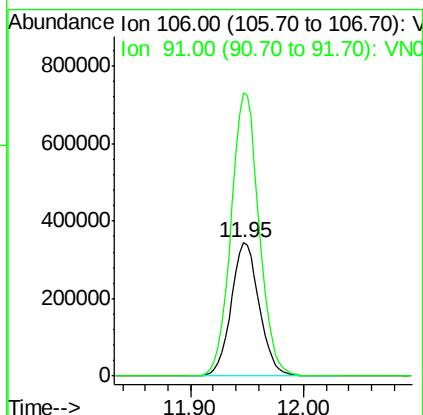
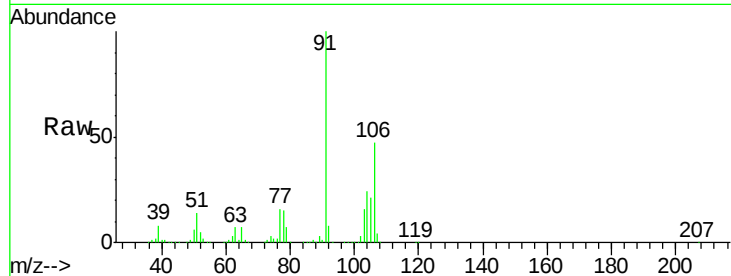




#69
o-Xylene
Concen: 51.523 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

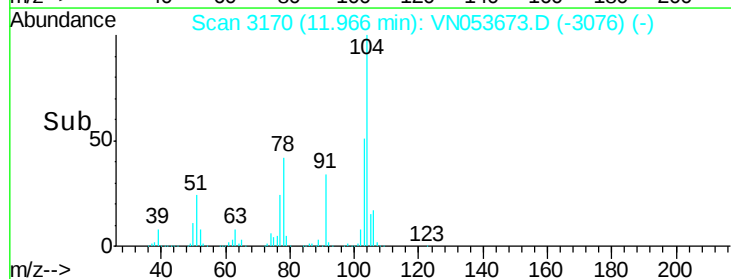
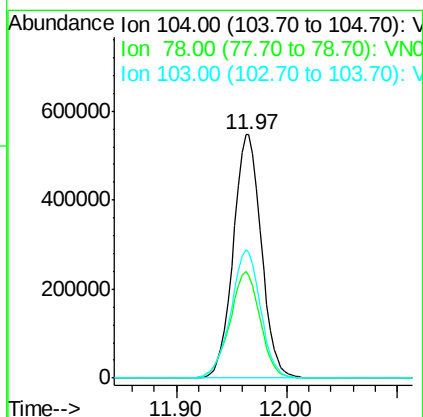
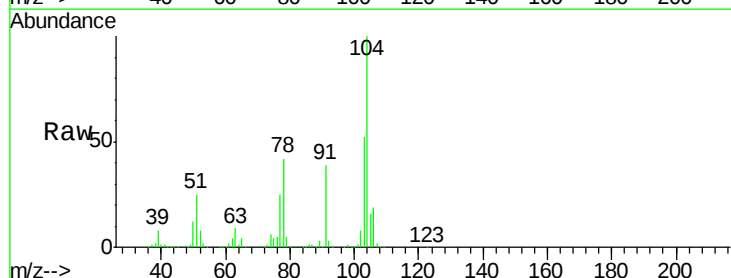
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

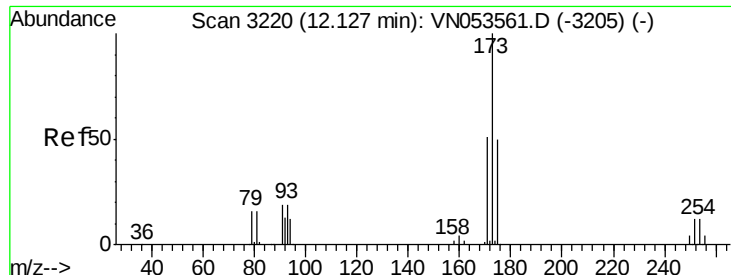
Tot Ion:106 Resp: 593400
Ion Ratio Lower Upper
106 100
91 212.1 106.9 320.8



#70
Styrene
Concen: 51.632 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion:104 Resp: 963823
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 55.8 44.4 66.6

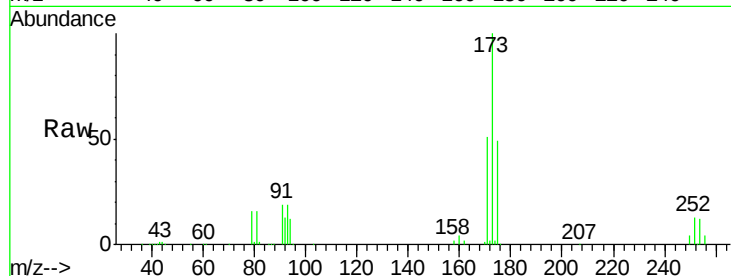




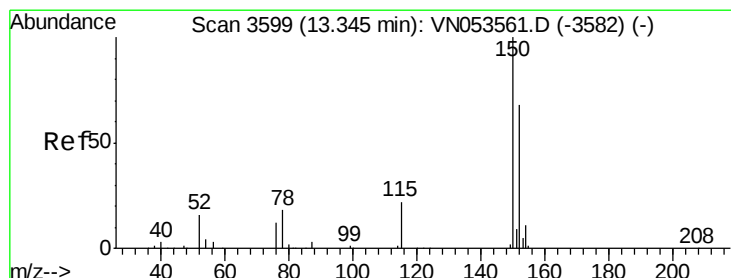
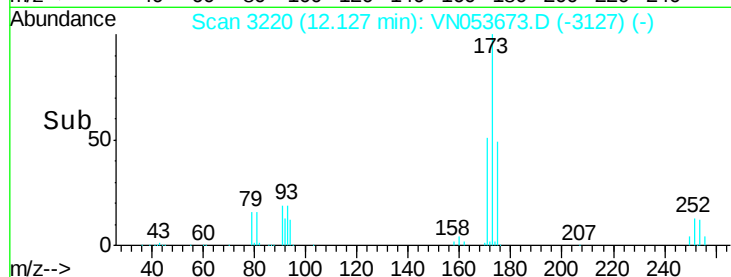
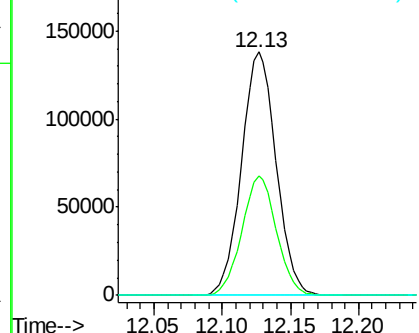
#71
Bromoform
Concen: 53.298 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 242649
Ion Ratio Lower Upper
173 100
175 48.9 24.6 74.0
254 0.1 0.2 0.2#

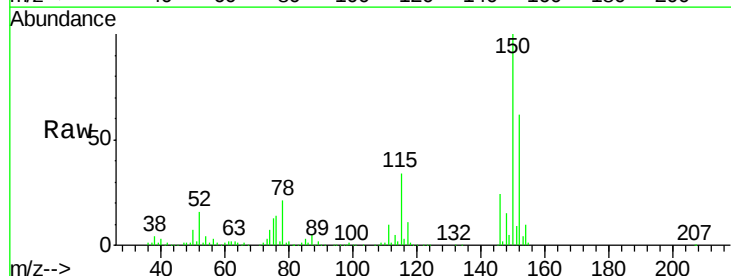


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

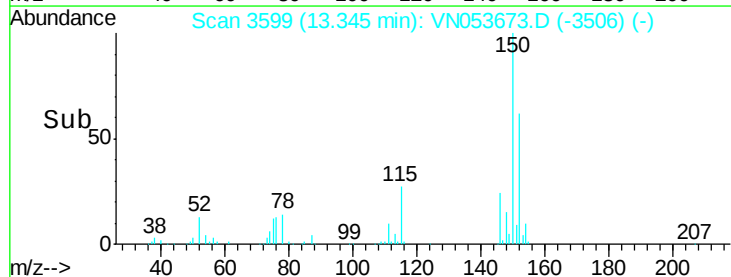
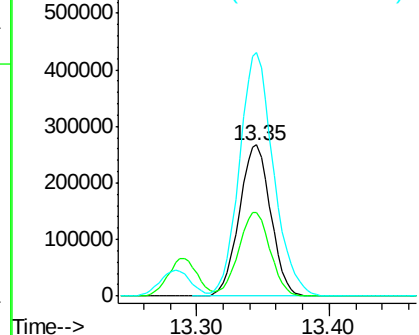


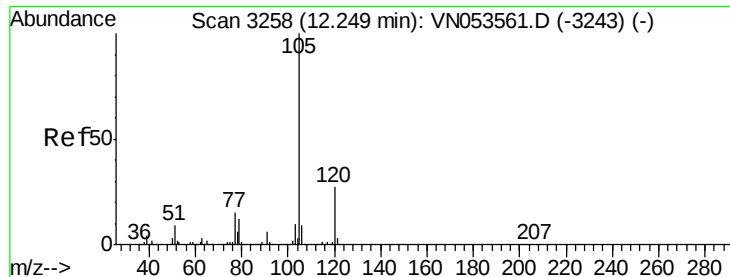
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion:152 Resp: 439697
Ion Ratio Lower Upper
152 100
115 55.6 27.8 83.4
150 174.3 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: 50.313 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

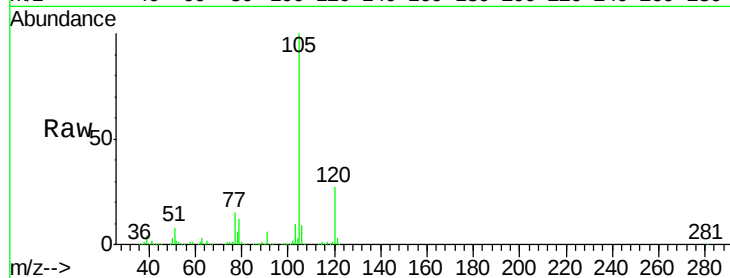
VSTDCCC050

Tot Ion:105 Resp: 1555180

Ion Ratio Lower Upper

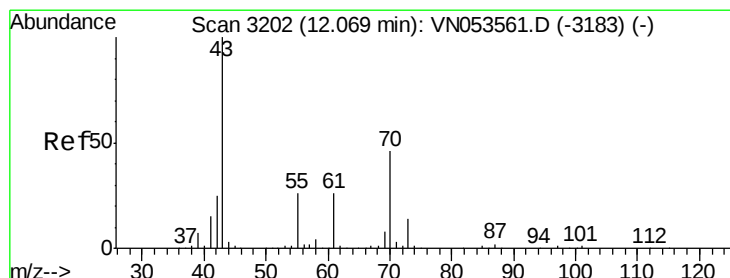
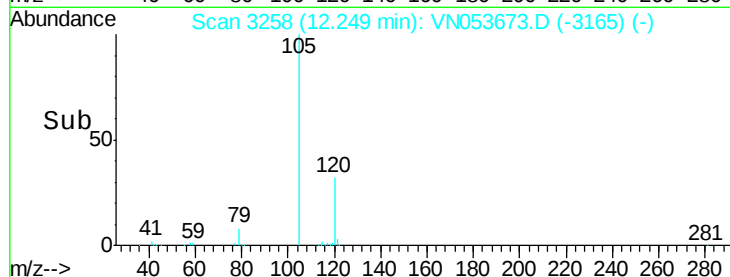
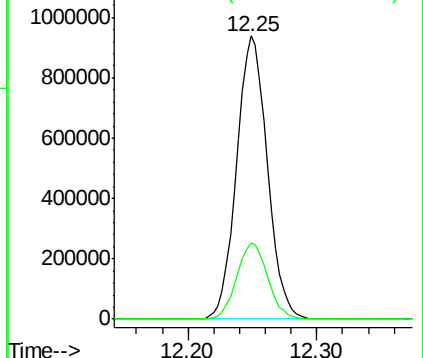
105 100

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: 49.813 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Tgt Ion: 43 Resp: 370254

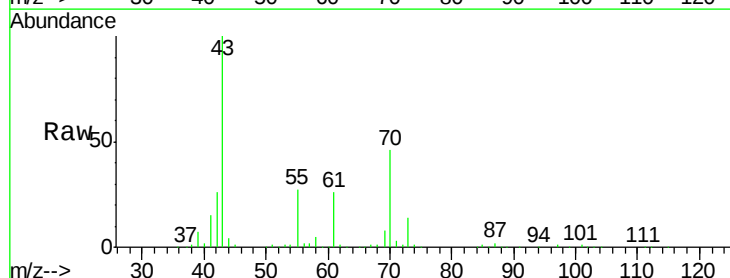
Ion Ratio Lower Upper

43 100

70 45.7 35.4 53.2

55 26.4 20.9 31.3

61 25.8 20.5 30.7

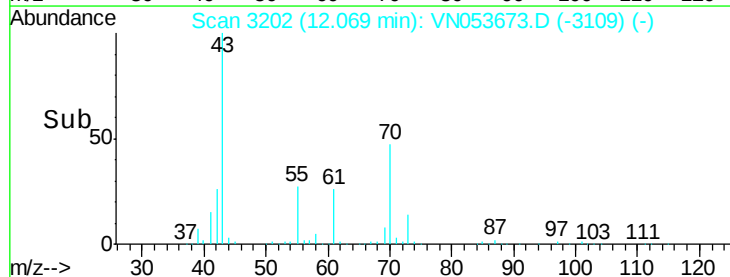
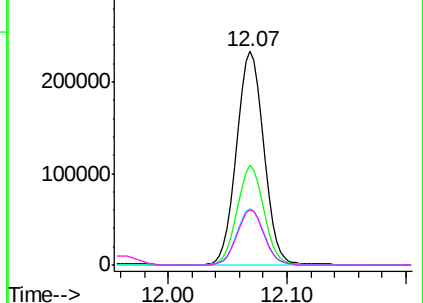


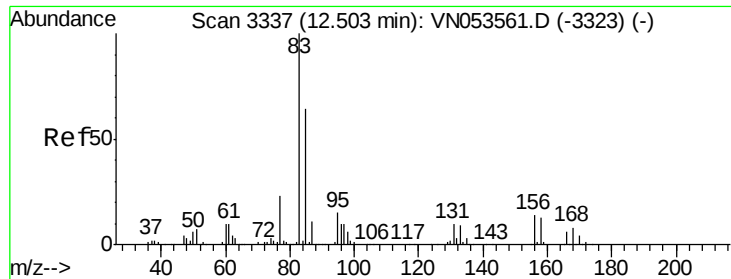
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.290 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

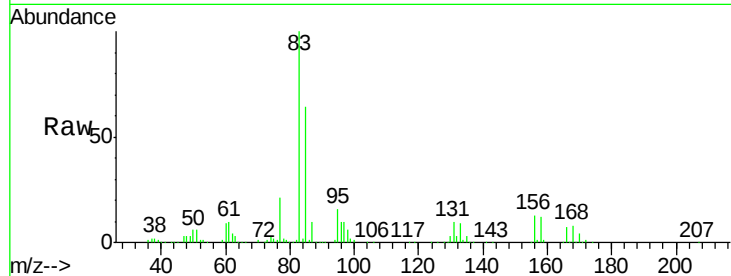
Tot Ion: 83 Resp: 349830

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

85 63.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

250000

200000

150000

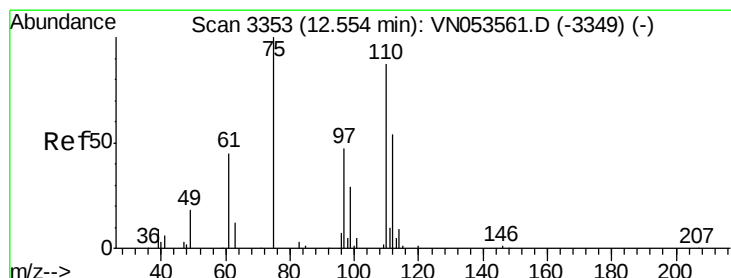
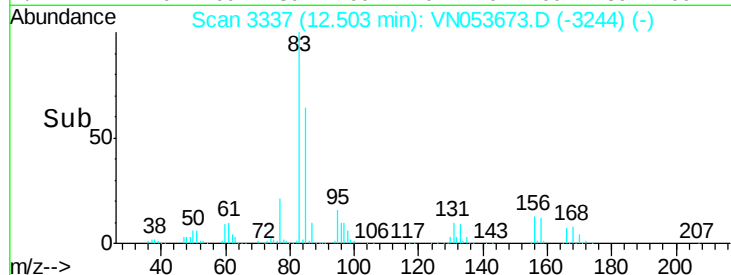
100000

50000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 75.614 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053673.D

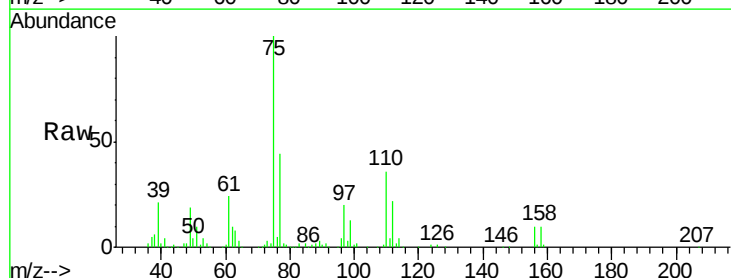
Acq: 8 Feb 2019 11:02

Tgt Ion: 75 Resp: 427039

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

400000

300000

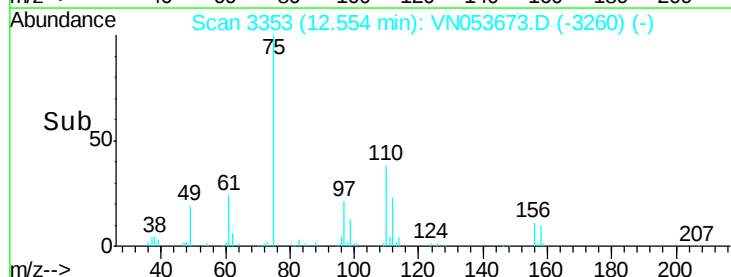
200000

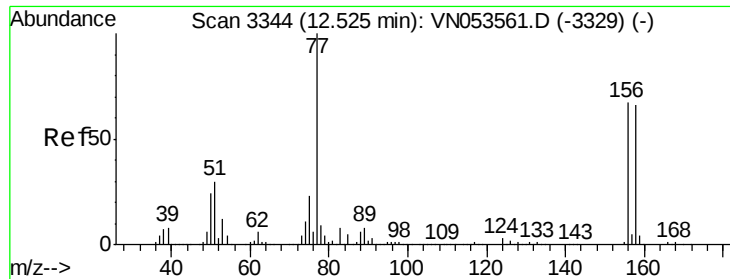
100000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 48.604 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

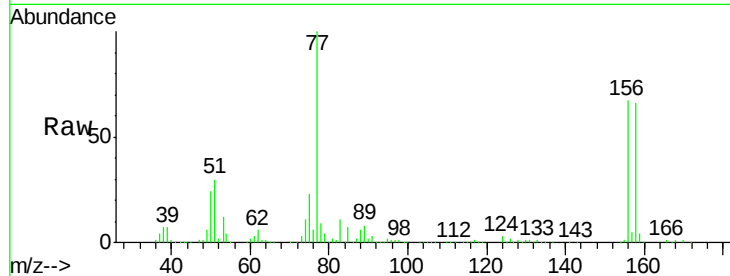
Tot Ion:156 Resp: 404895

Ion Ratio Lower Upper

156 100

77 171.9 87.9 263.8

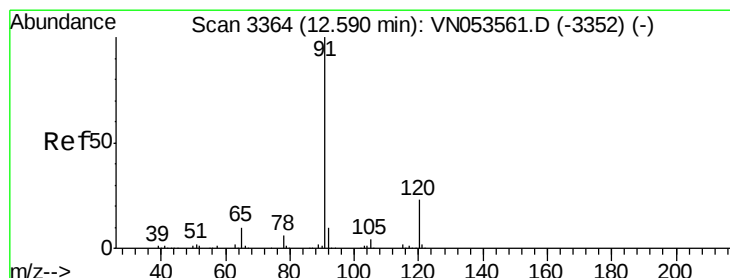
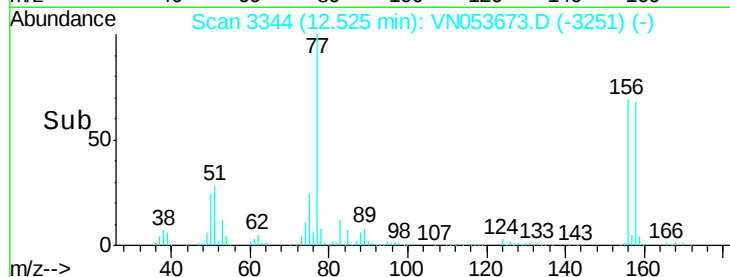
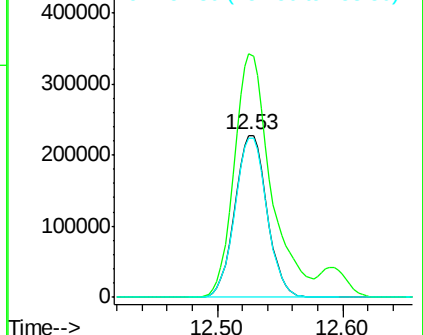
158 98.2 48.8 146.4



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: 50.875 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053673.D

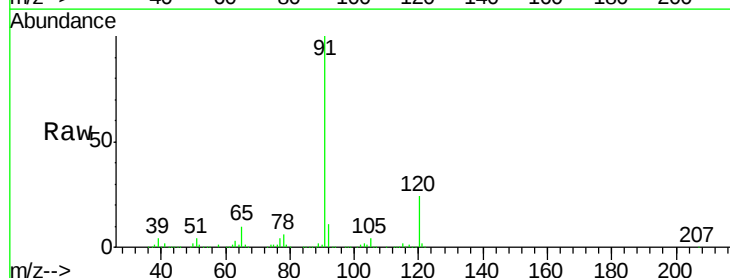
Acq: 8 Feb 2019 11:02

Tgt Ion: 91 Resp: 1817886

Ion Ratio Lower Upper

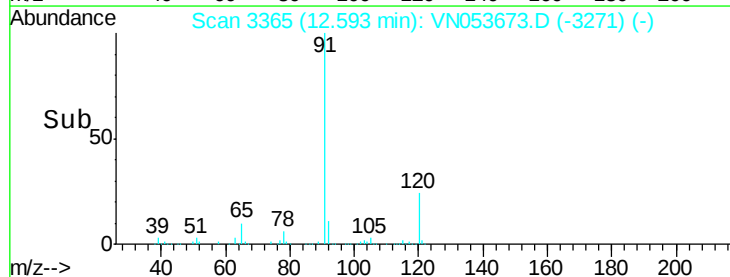
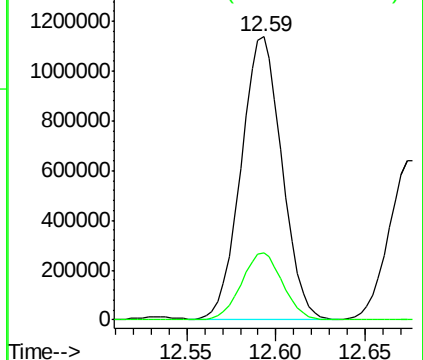
91 100

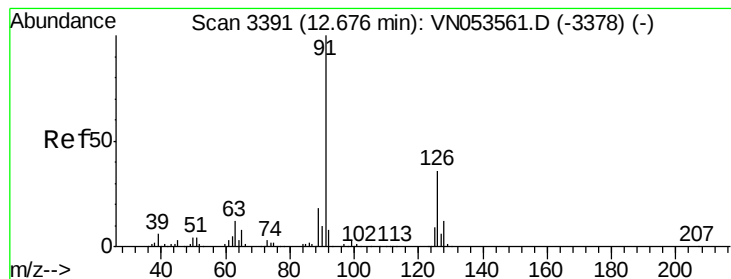
120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.455 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

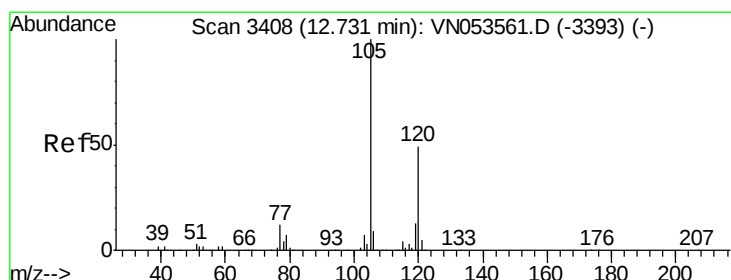
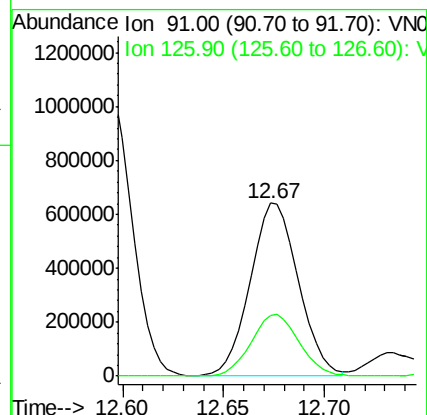
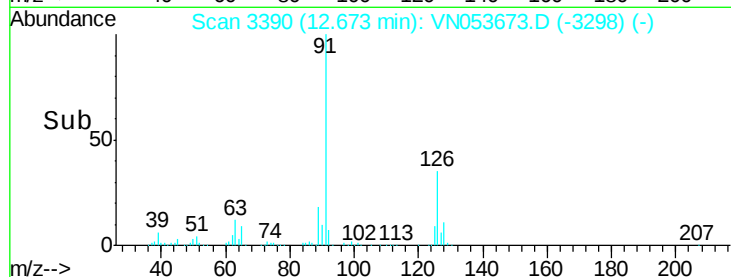
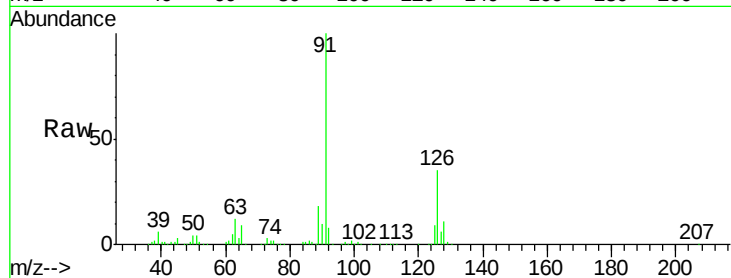
VSTDCCC050

Tot Ion: 91 Resp: 1069614

Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 52.770 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053673.D

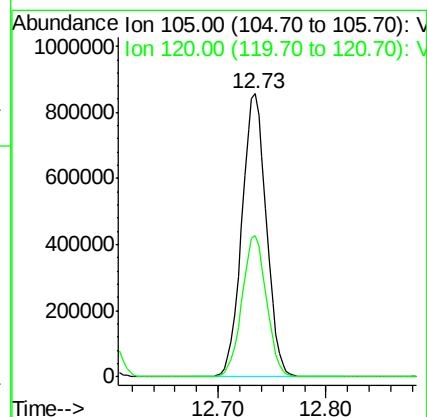
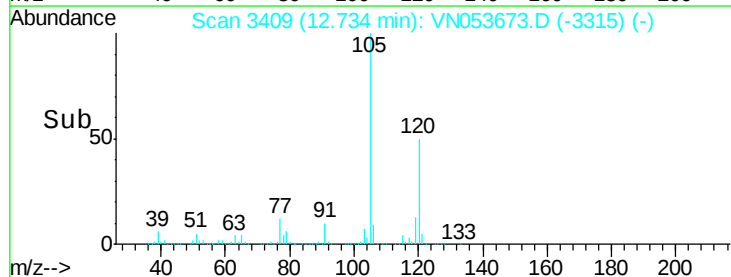
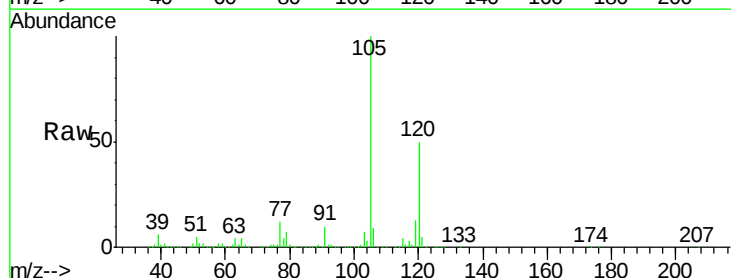
Acq: 8 Feb 2019 11:02

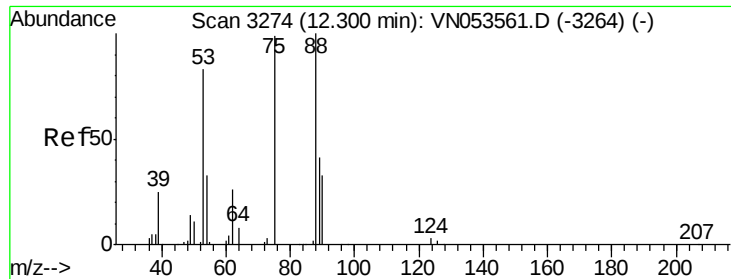
Tgt Ion:105 Resp: 1352600

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6

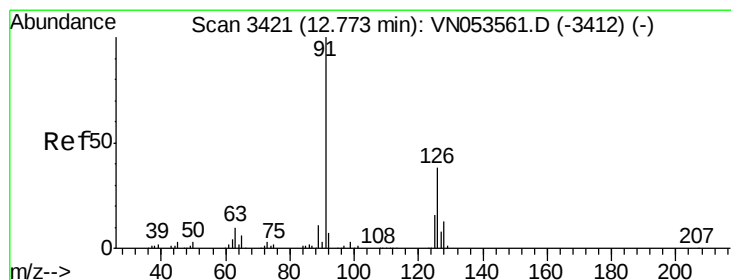
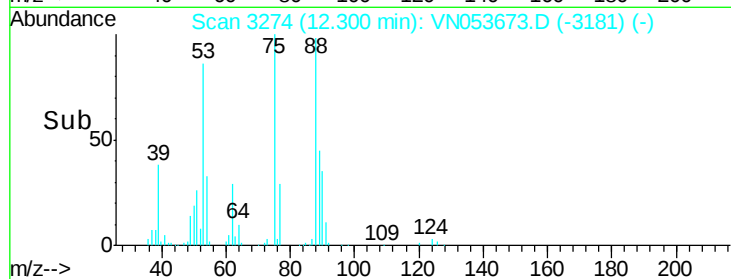
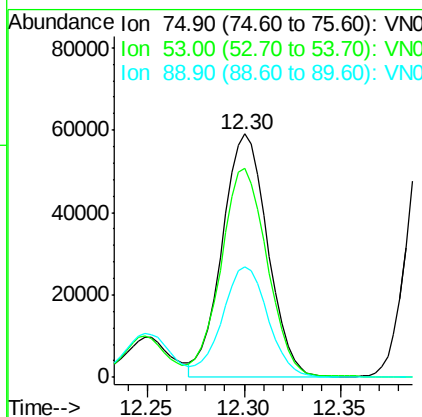
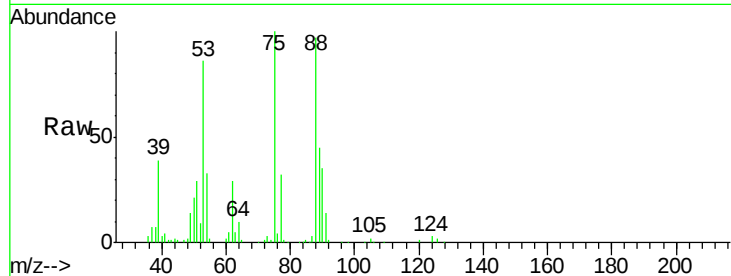




#81
trans-1,4-Dichloro-2-butene
Concen: 48.243 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

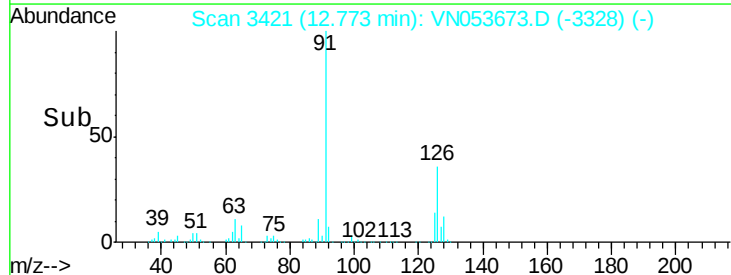
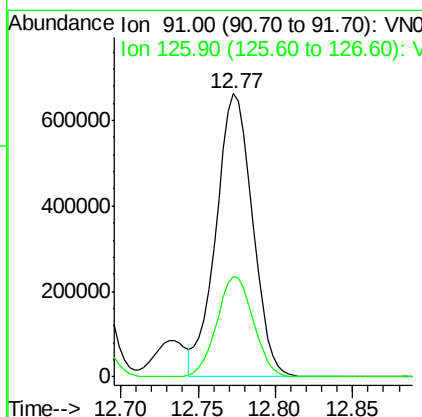
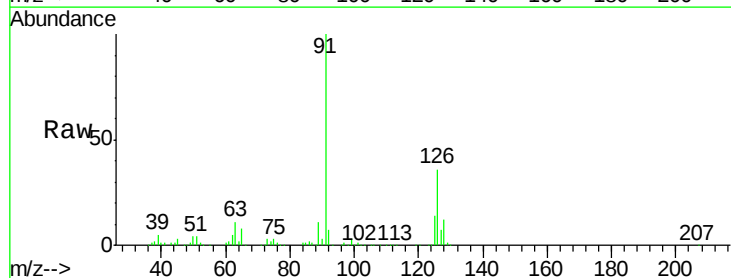
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

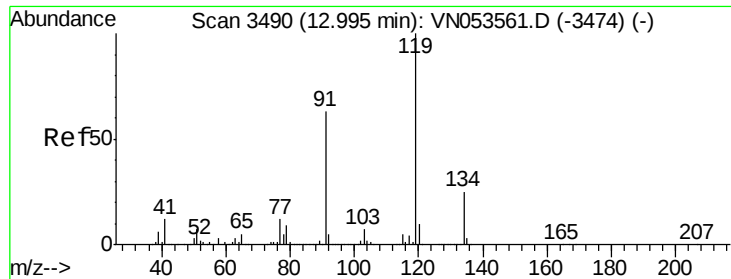
Tot Ion: 75 Resp: 96894
Ion Ratio Lower Upper
75 100
53 88.0 69.8 104.6
89 45.6 35.6 53.4



#82
4-Chlorotoluene
Concen: 49.744 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053673.D
Acq: 8 Feb 2019 11:02

Tgt Ion: 91 Resp: 1082108
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.9

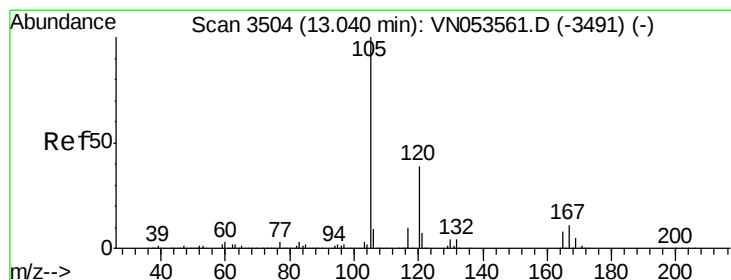
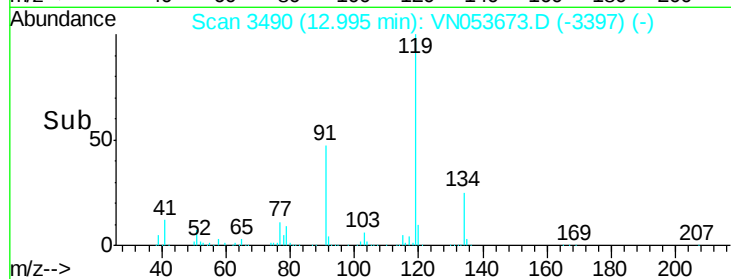
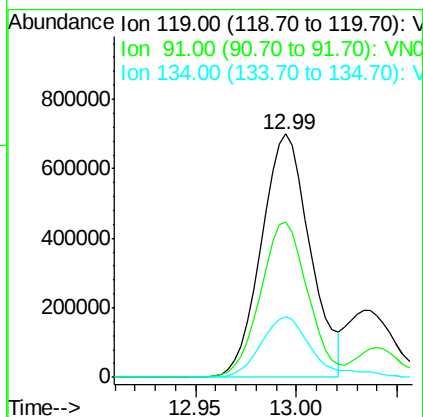
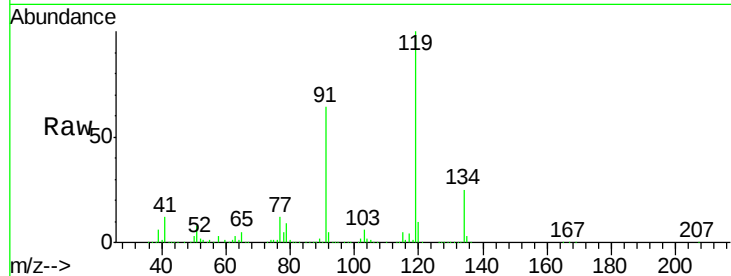




#83
 tert-Butylbenzene
 Concen: 52.030 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

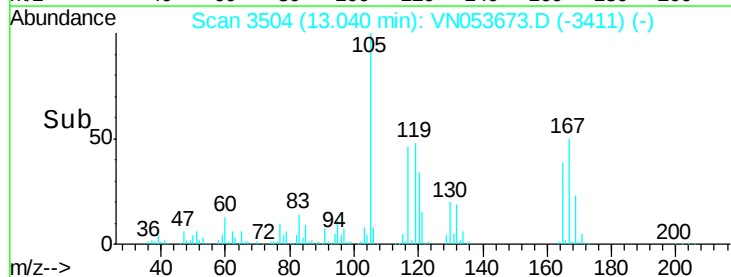
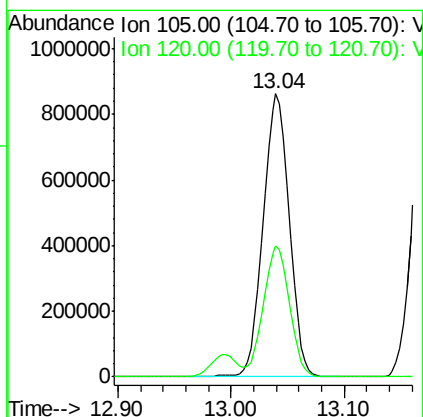
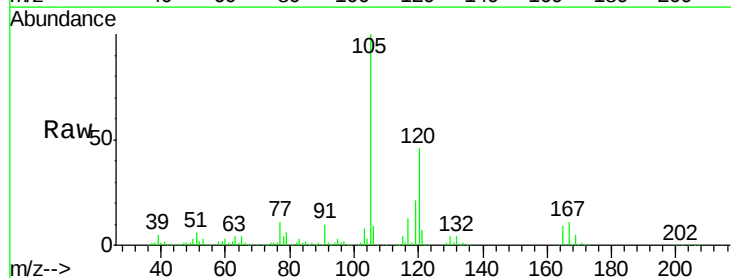
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

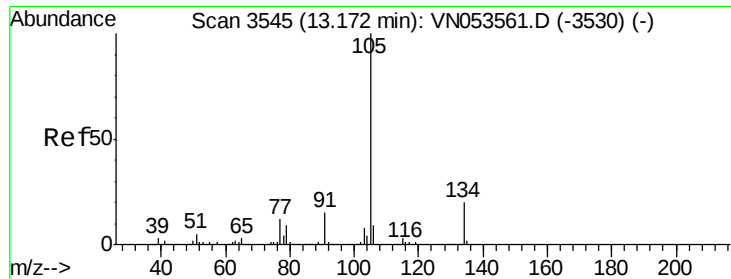
Tot Ion:119 Resp: 1178705
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 26.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 52.980 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion:105 Resp: 1383543
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.510 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

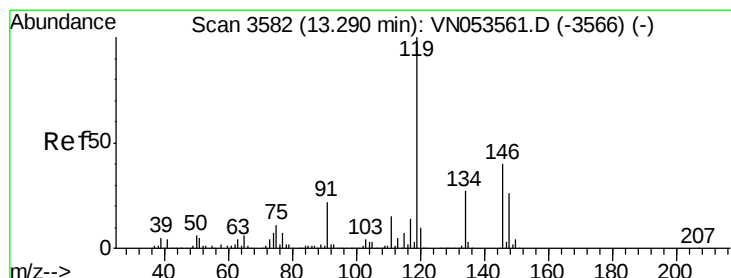
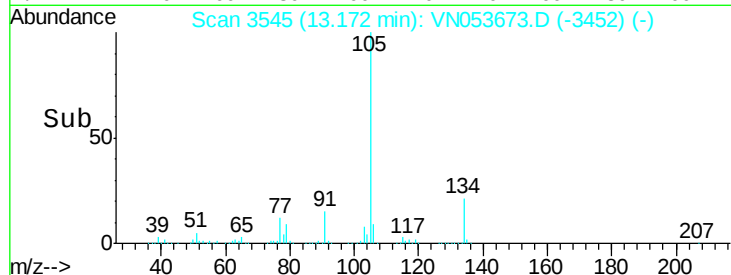
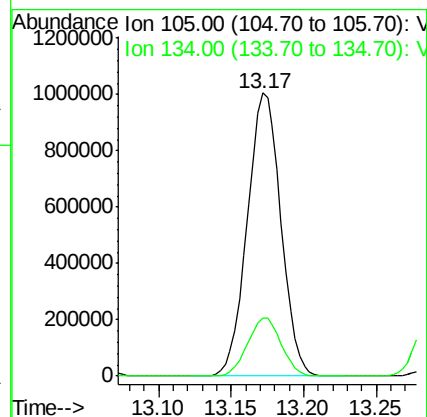
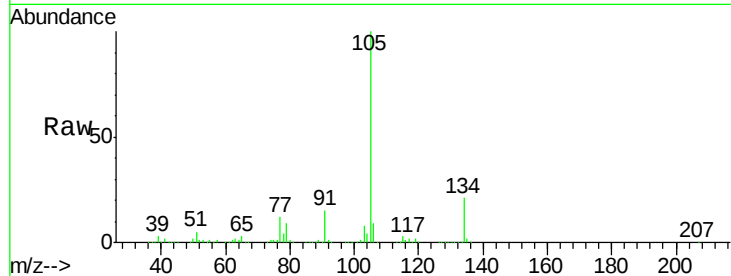
VSTDCCC050

Tot Ion:105 Resp: 1618770

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 53.527 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

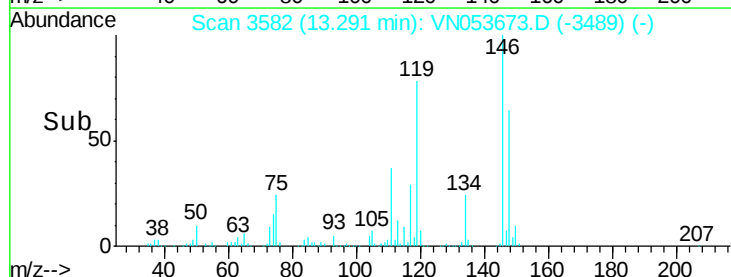
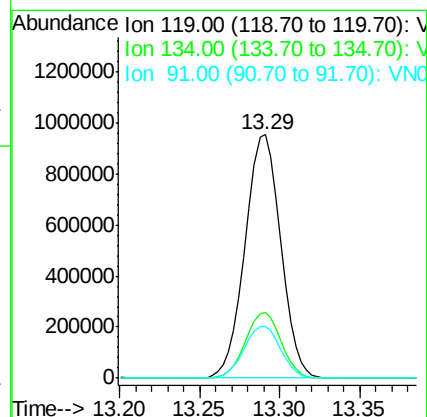
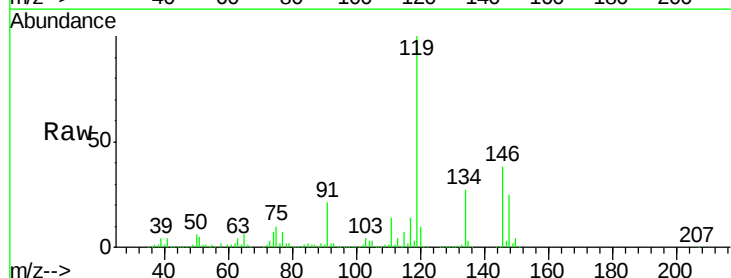
Tgt Ion:119 Resp: 1443177

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 49.774 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

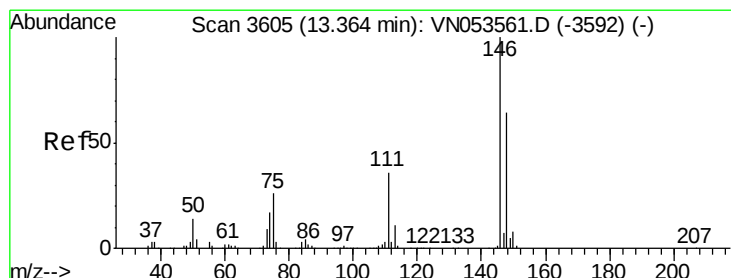
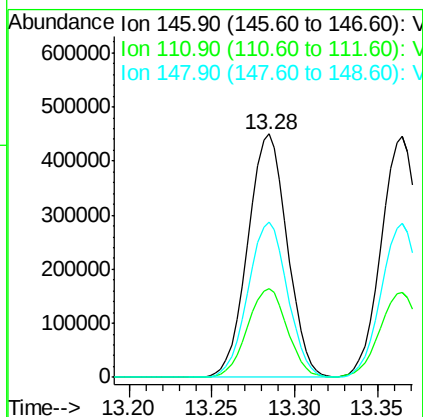
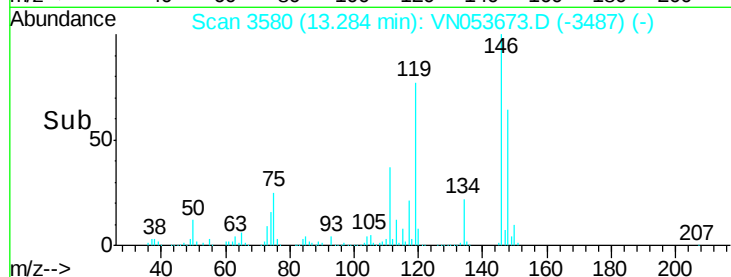
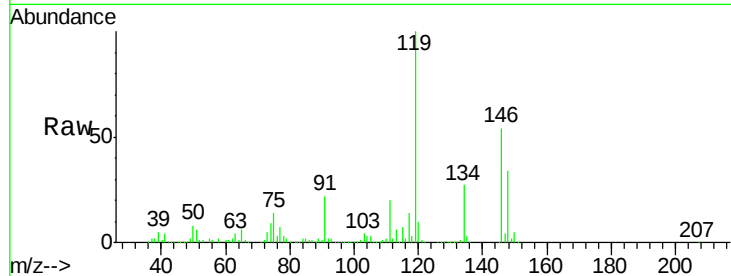
Tot Ion:146 Resp: 745381

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

148 63.8 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.219 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

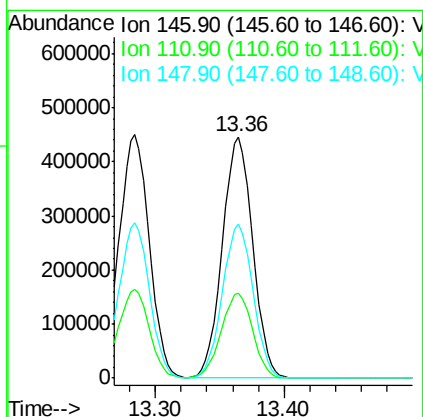
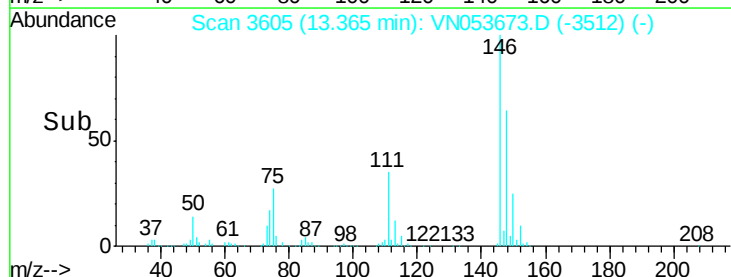
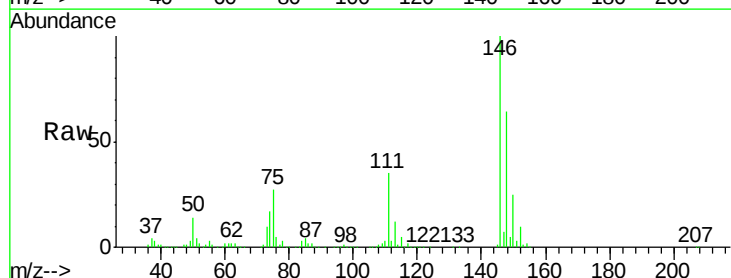
Tgt Ion:146 Resp: 729108

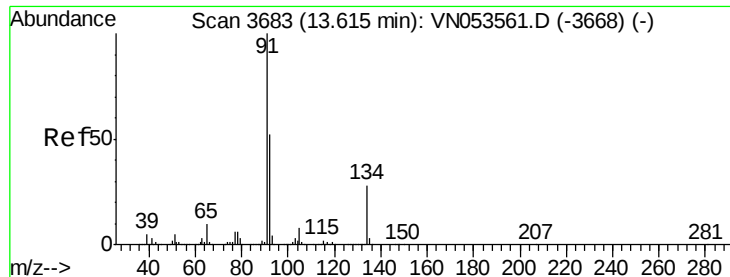
Ion Ratio Lower Upper

146 100

111 36.3 18.6 55.8

148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 53.390 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

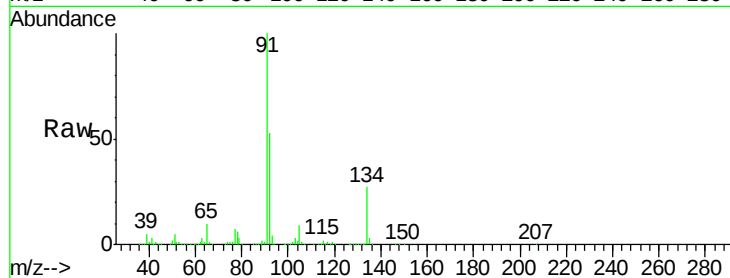
Tot Ion: 91 Resp: 1245961

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

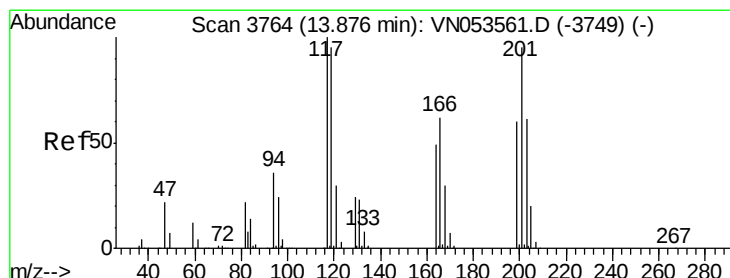
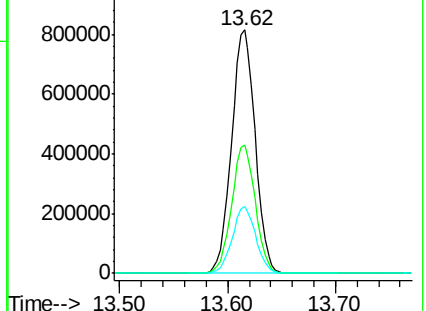
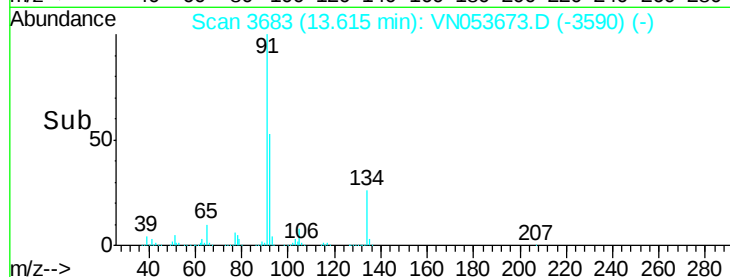
134 27.1 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053561.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053561.D (-3668) (-)



#90

Hexachloroethane

Concen: 53.818 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053673.D

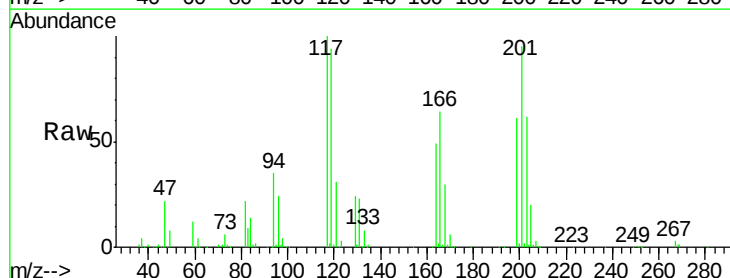
Acq: 8 Feb 2019 11:02

Tgt Ion: 117 Resp: 239344

Ion Ratio Lower Upper

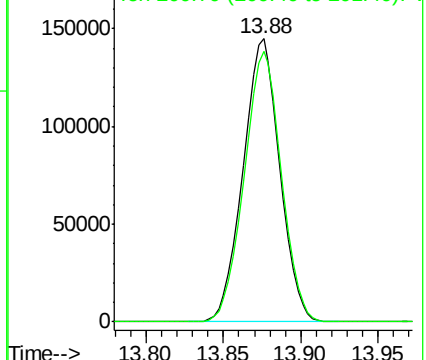
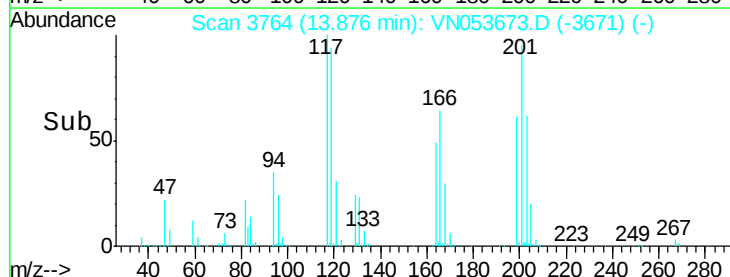
117 100

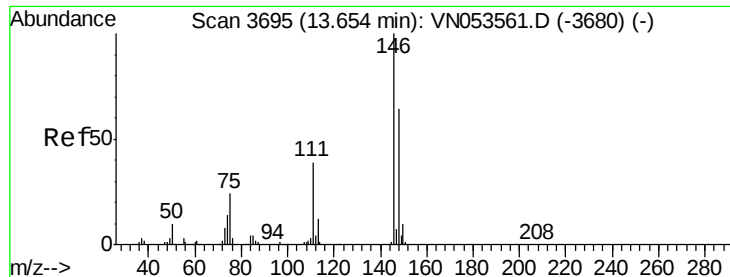
201 96.5 46.8 140.4



Abundance Ion 116.80 (116.50 to 117.50): VN053561.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053561.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 49.821 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

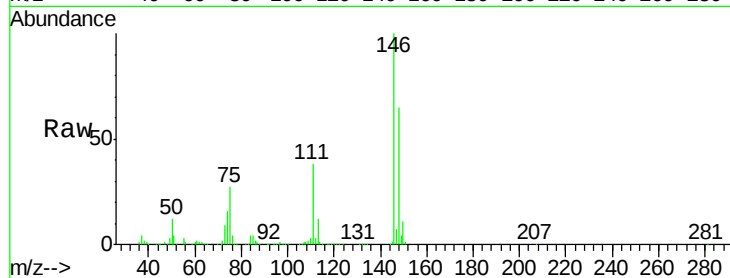
Tot Ion:146 Resp: 714268

Ion Ratio Lower Upper

146 100

111 38.4 19.5 58.5

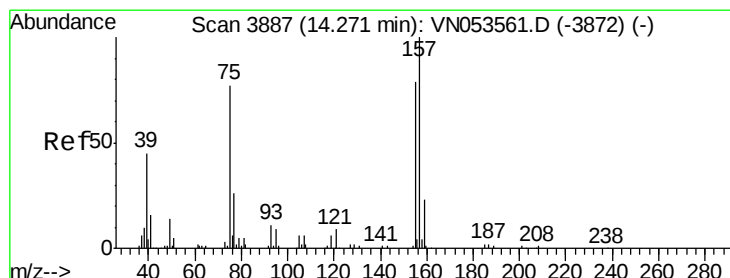
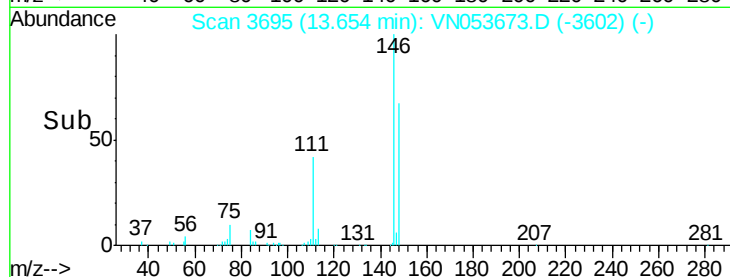
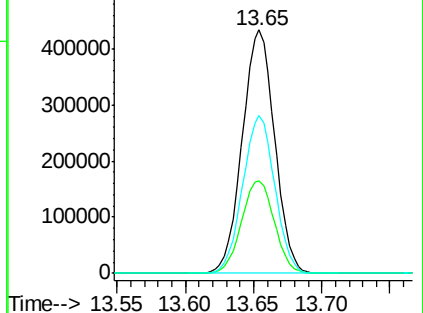
148 64.4 31.9 95.9



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: 48.288 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

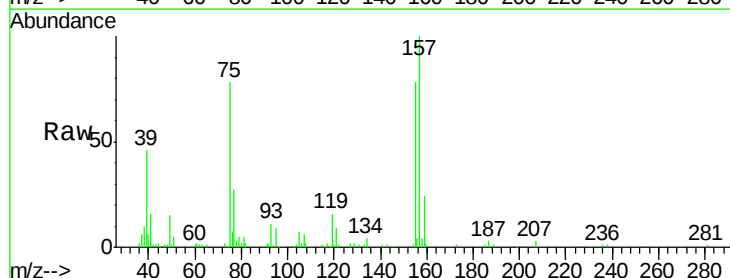
Tgt Ion: 75 Resp: 50909

Ion Ratio Lower Upper

75 100

155 97.3 48.9 146.7

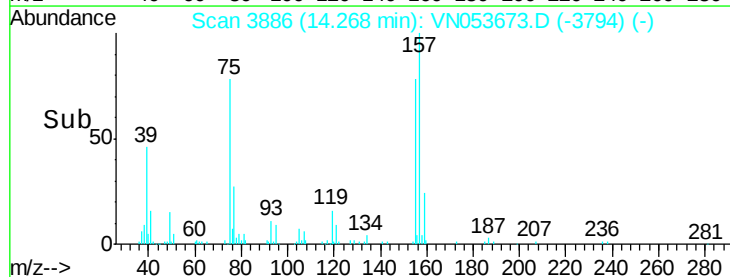
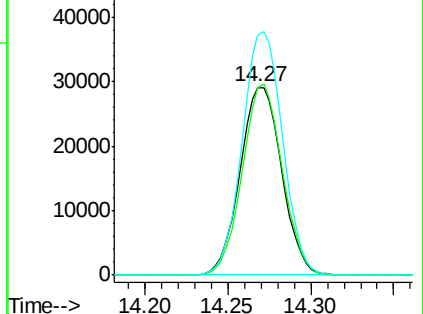
157 125.6 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

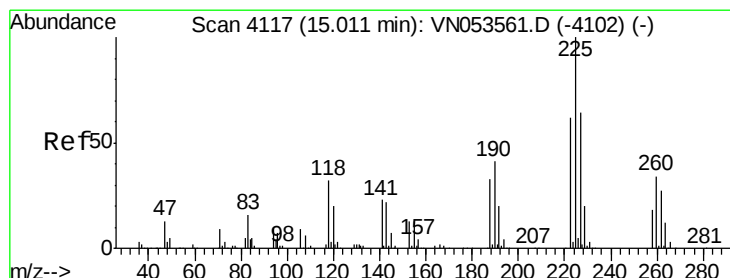
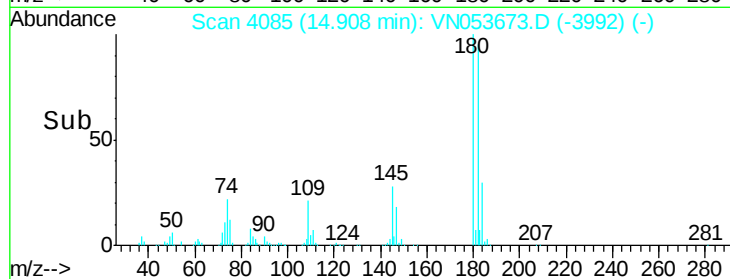
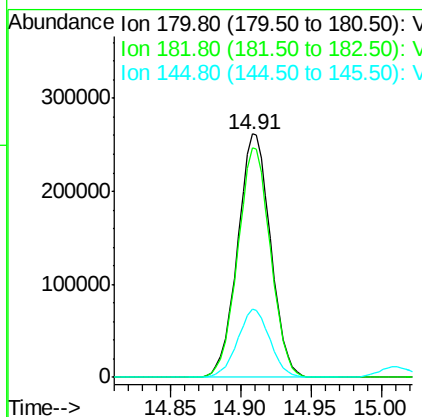
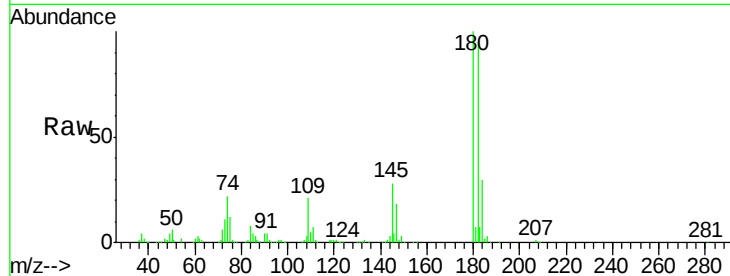




#93
 1,2,4-Trichlorobenzene
 Concen: 51.925 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

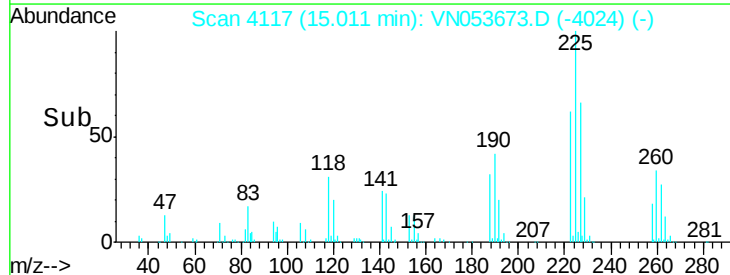
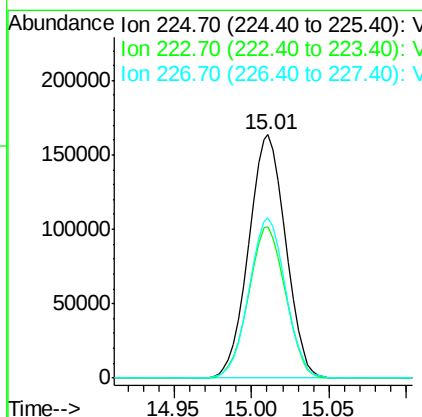
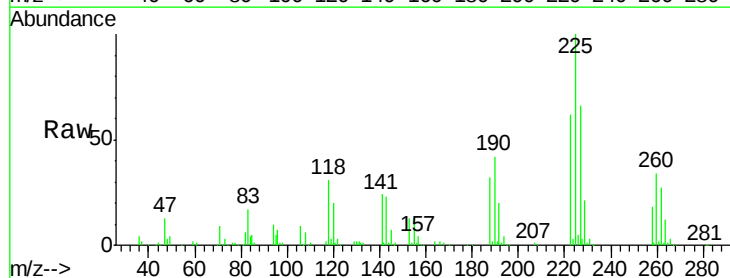
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 426950
 Ion Ratio Lower Upper
 180 100
 182 94.1 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 53.257 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053673.D
 Acq: 8 Feb 2019 11:02

Tgt Ion:225 Resp: 272711
 Ion Ratio Lower Upper
 225 100
 223 62.1 31.1 93.2
 227 64.9 32.0 96.2





#95

Naphthalene

Concen: 43.654 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

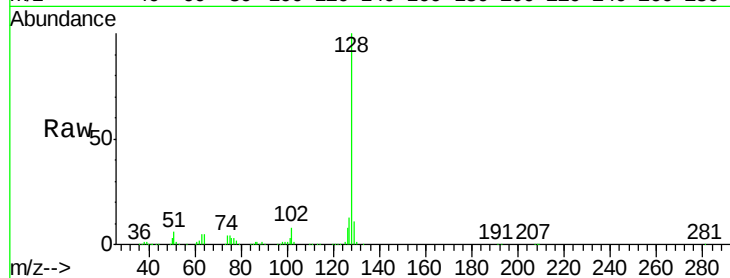
Tot Ion:128 Resp: 838777

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.0 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

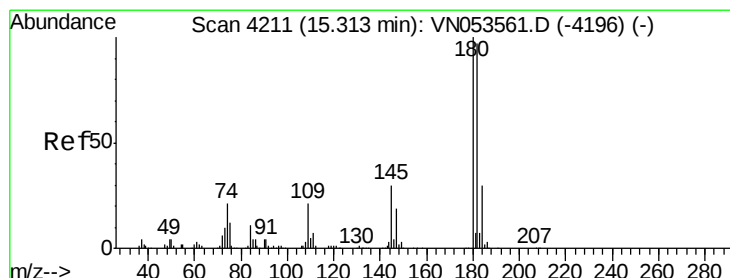
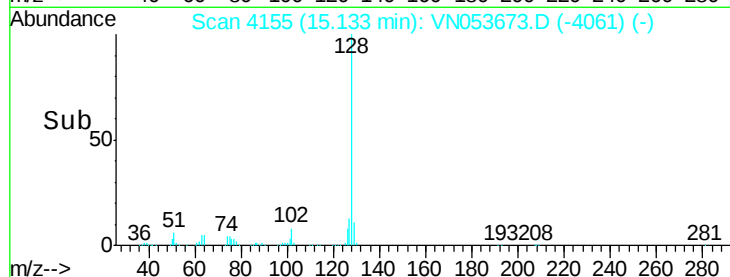
15.13

400000

200000

0

Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 51.727 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053673.D

Acq: 8 Feb 2019 11:02

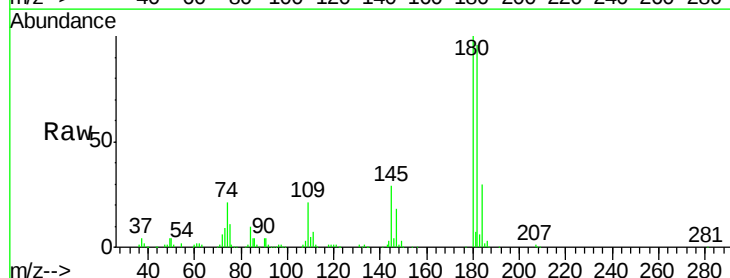
Tgt Ion:180 Resp: 394647

Ion Ratio Lower Upper

180 100

182 94.3 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

15.32

300000

250000

200000

150000

100000

50000

Time--> 15.25 15.30 15.35 15.40

