

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054659.D
 Acq On : 25 Mar 2019 9:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 26 01:17:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	430448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	673825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	271943	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	267478	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	214805	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	10.09	98	808336	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	12.40	95	279349	50.30	ug/l	0.00
Spiked Amount			Recovery	=	100.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	224780	54.625	ug/l	99
3) Chloromethane	2.06	50	292606	52.263	ug/l	97
4) Vinyl Chloride	2.19	62	272843	48.539	ug/l	98
5) Bromomethane	2.57	94	156763	43.129	ug/l	98
6) Chloroethane	2.71	64	156574	46.440	ug/l	99
7) Trichlorofluoromethane	3.02	101	349550	51.205	ug/l	100
8) Diethyl Ether	3.41	74	113092	43.076	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	189867	47.326	ug/l	93
10) Methyl Iodide	3.94	142	266579	45.171	ug/l #	89
11) Tert butyl alcohol	4.81	59	72817	224.641	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	182835	44.037	ug/l #	76
13) Acrolein	3.61	56	58798	131.443	ug/l	99
14) Allyl chloride	4.32	41	421853	53.958	ug/l #	92
15) Acrylonitrile	4.99	53	417538	258.661	ug/l	100
16) Acetone	3.82	43	526842	327.290	ug/l #	82
17) Carbon Disulfide	4.04	76	530184	47.659	ug/l	100
18) Methyl Acetate	4.33	43	185255	51.634	ug/l #	88
19) Methyl tert-butyl Ether	5.05	73	614137	50.685	ug/l	97
20) Methylene Chloride	4.55	84	237337	50.017	ug/l #	82
21) trans-1,2-Dichloroethene	5.03	96	219781	51.841	ug/l #	84
22) Diisopropyl ether	5.96	45	859458	55.732	ug/l #	94
23) Vinyl Acetate	5.90	43	2985589	274.122	ug/l #	93
24) 1,1-Dichloroethane	5.84	63	450374	54.241	ug/l	98
25) 2-Butanone	6.84	43	634580	307.745	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	329235	55.624	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	256997	50.823	ug/l	88
28) Bromochloromethane	7.19	49	223540	54.695	ug/l #	71
29) Tetrahydrofuran	7.22	42	344162	257.197	ug/l #	84
30) Chloroform	7.37	83	433747	53.528	ug/l	98
31) Cyclohexane	7.65	56	427504	53.876	ug/l	86
32) 1,1,1-Trichloroethane	7.57	97	361664	54.099	ug/l	95
36) 1,1-Dichloropropene	7.79	75	334731	53.129	ug/l	95
37) Ethyl Acetate	6.93	43	235000	52.444	ug/l #	93
38) Carbon Tetrachloride	7.77	117	315384	51.512	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	378918	52.577	ug/l	89
40) Benzene	8.04	78	960404	53.308	ug/l	100
41) Methacrylonitrile	7.17	41	134639	49.269	ug/l	87
42) 1,2-Dichloroethane	8.12	62	344070	52.441	ug/l	97
43) Isopropyl Acetate	8.17	43	398650	52.677	ug/l #	93
44) Trichloroethene	8.83	130	256168	51.143	ug/l	93
45) 1,2-Dichloropropane	9.12	63	270676	55.951	ug/l	99
46) Dibromomethane	9.21	93	151342	52.439	ug/l	89
47) Bromodichloromethane	9.40	83	328373	54.824	ug/l	97
48) Methyl methacrylate	9.20	41	209133	50.915	ug/l	88
49) 1,4-Dioxane	9.20	88	42982	936.028	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	1131912	269.883	ug/l	93
52) Toluene	10.15	92	583231	52.635	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	312990	49.557	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	385624	56.151	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	209545	52.608	ug/l	97
56) Ethyl methacrylate	10.43	69	278664	52.124	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	370609	53.526	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	505909	229.810	ug/l	89
59) 2-Hexanone	10.75	43	807081	294.605	ug/l	91
60) Dibromochloromethane	10.90	129	228697	53.958	ug/l	100
61) 1,2-Dibromoethane	11.00	107	204537	51.942	ug/l	100
64) Tetrachloroethene	10.63	164	253763	51.003	ug/l	95
65) Chlorobenzene	11.43	112	619120	50.748	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232837	53.172	ug/l	100
67) Ethyl Benzene	11.51	91	1130842	52.474	ug/l	98
68) m/p-Xylenes	11.62	106	844889	103.505	ug/l	95
69) o-Xylene	11.95	106	414620	52.011	ug/l	97
70) Styrene	11.96	104	695170	53.699	ug/l	97
71) Bromoform	12.13	173	139143	46.263	ug/l #	99
73) Isopropylbenzene	12.25	105	1081704	49.362	ug/l	99
74) N-amyl acetate	12.07	43	337730	53.600	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.50	83	246964	49.369	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	305266	70.740	ug/l #	100
77) Bromobenzene	12.53	156	267980	49.307	ug/l	86
78) n-propylbenzene	12.59	91	1241235	52.235	ug/l	96
79) 2-Chlorotoluene	12.67	91	744131	50.218	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	912359	50.799	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	60062	48.110	ug/l	85
82) 4-Chlorotoluene	12.77	91	750742	52.268	ug/l	96
83) tert-Butylbenzene	12.99	119	770982	49.316	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	894059	50.733	ug/l	98
85) sec-Butylbenzene	13.17	105	997465	51.182	ug/l	97
86) p-Isopropyltoluene	13.29	119	899362	51.583	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	465618	51.698	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	449875	51.338	ug/l	97
89) n-Butylbenzene	13.61	91	759036	55.675	ug/l	98
90) Hexachloroethane	13.87	117	145103	53.615	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	450212	51.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37495	51.102	ug/l	81

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QLast Update : Fri Mar 22 02:09:07 2019
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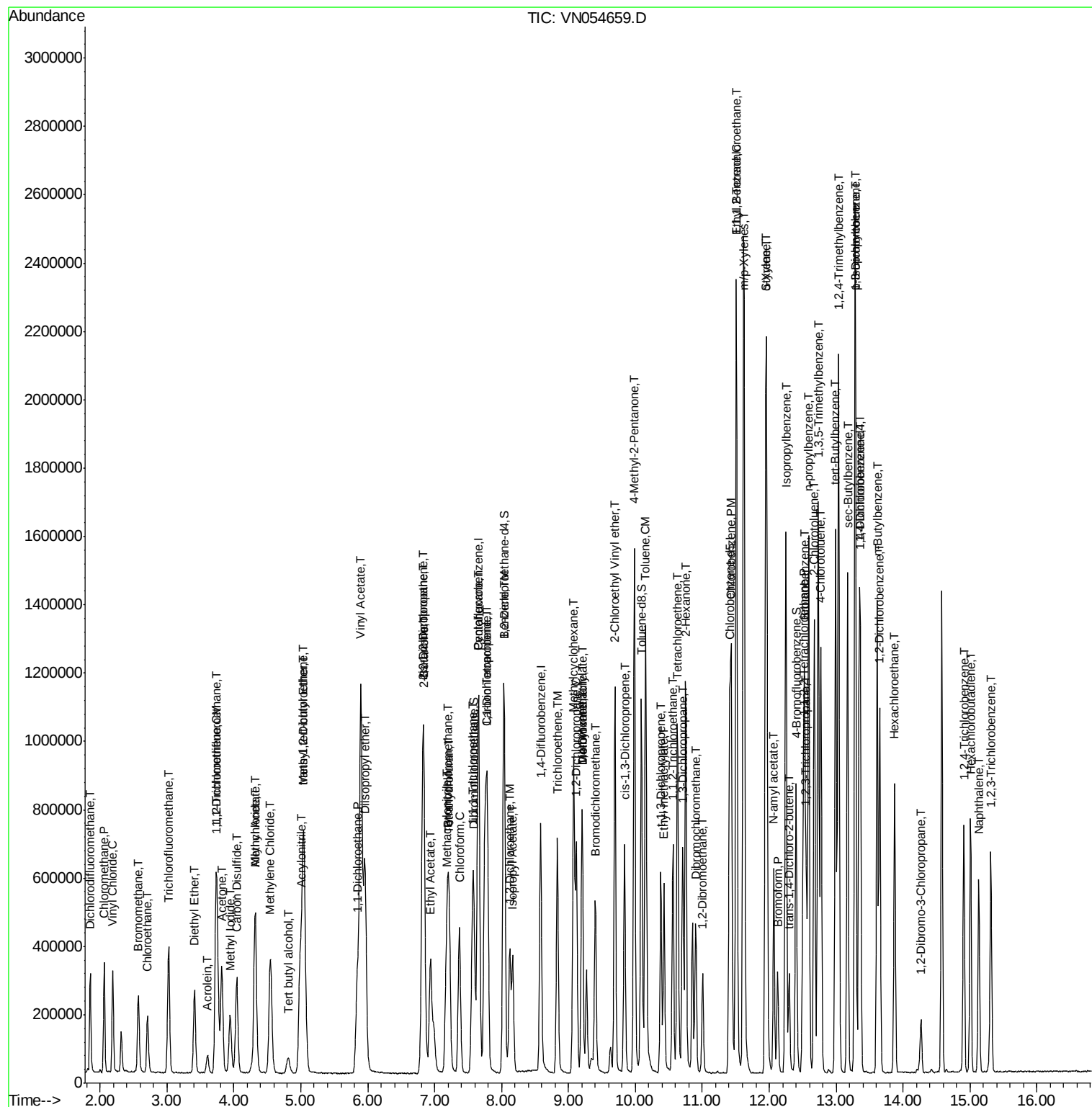
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	232906	53.557	ug/l	99
94) Hexachlorobutadiene	15.01	225	144584	59.653	ug/l	98
95) Naphthalene	15.13	128	470195	48.473	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	220237	50.884	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

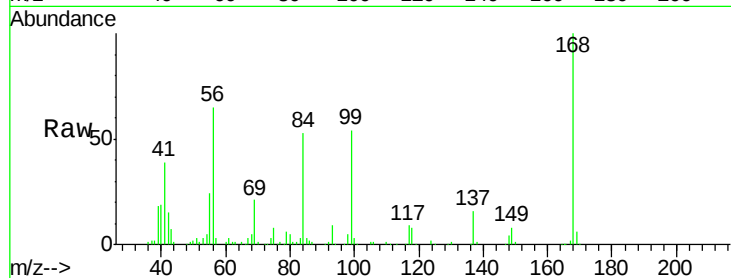
VSTDCCC050

Tot Ion:168 Resp: 430448

Ion Ratio Lower Upper

168 100

99 52.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

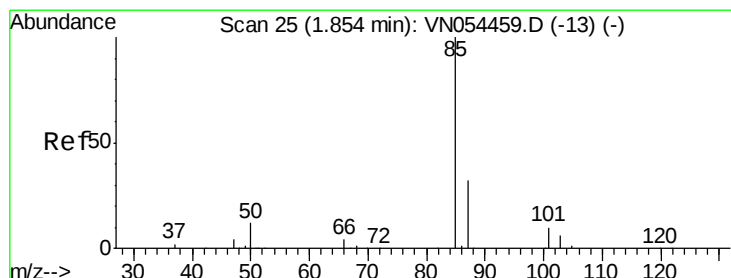
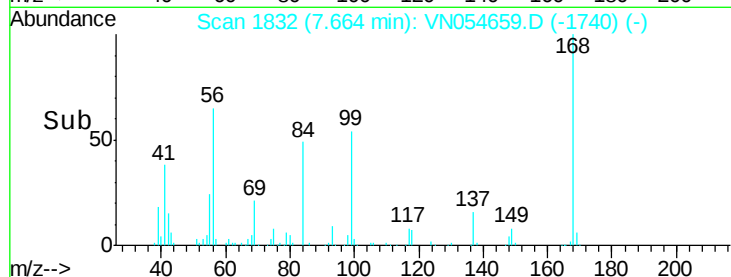
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 54.625 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054659.D

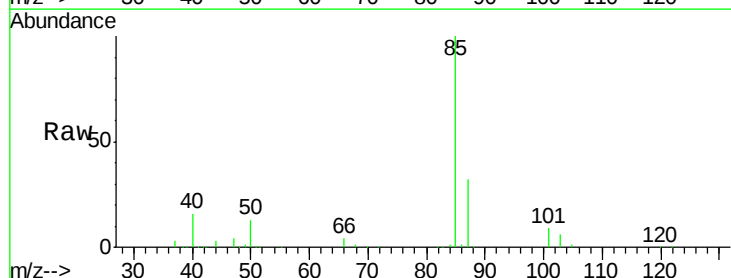
Acq: 25 Mar 2019 9:07

Tgt Ion: 85 Resp: 224780

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

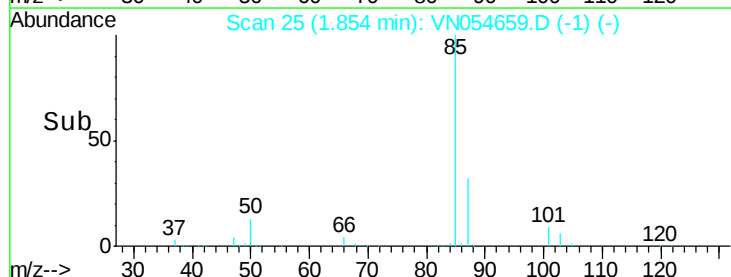
150000

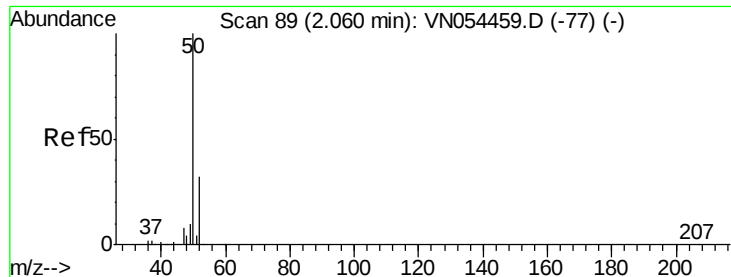
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 52.263 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

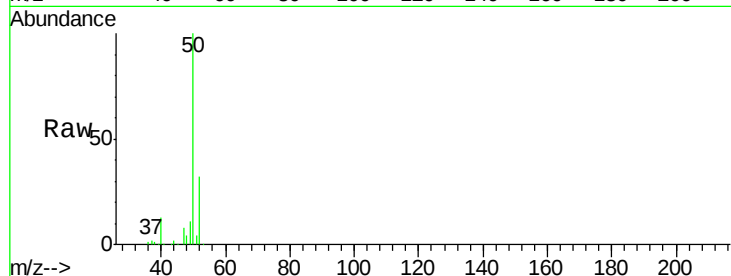
VSTDCCC050

Tot Ion: 50 Resp: 292606

Ion Ratio Lower Upper

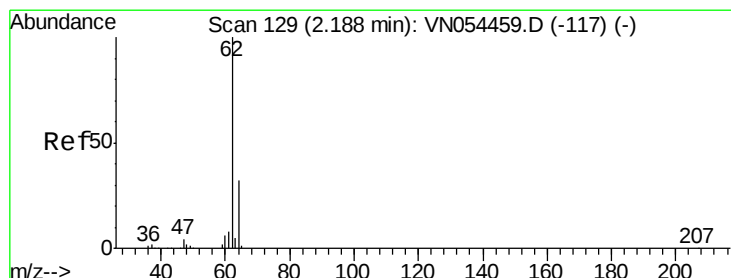
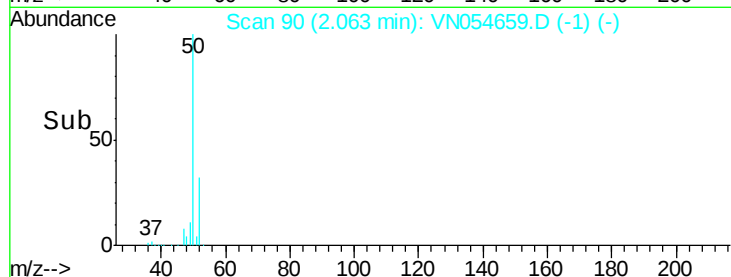
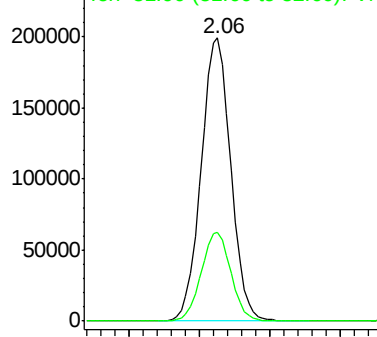
50 100

52 31.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.539 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054659.D

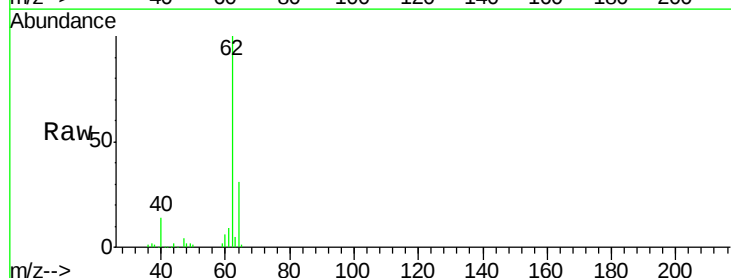
Acq: 25 Mar 2019 9:07

Tgt Ion: 62 Resp: 272843

Ion Ratio Lower Upper

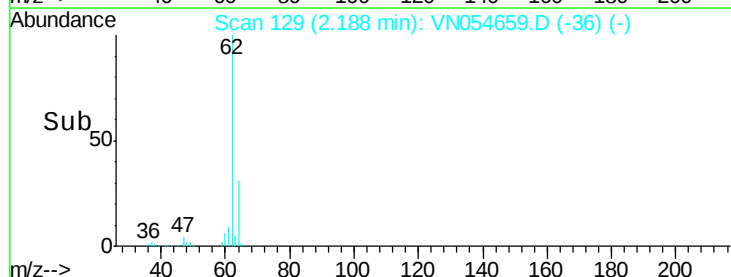
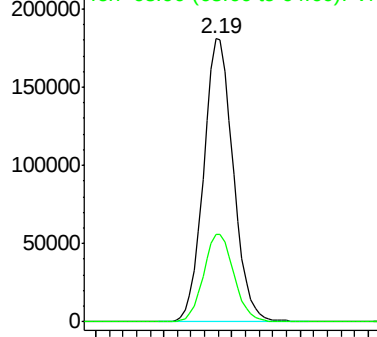
62 100

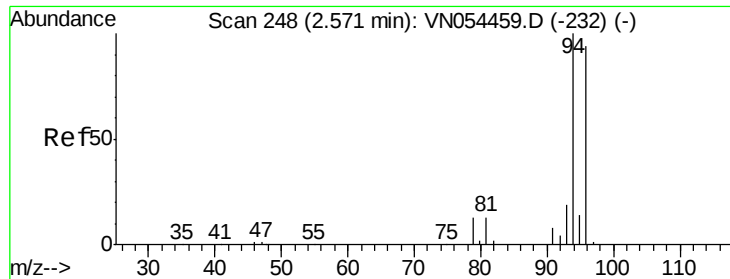
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.129 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

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ClientSampleId :

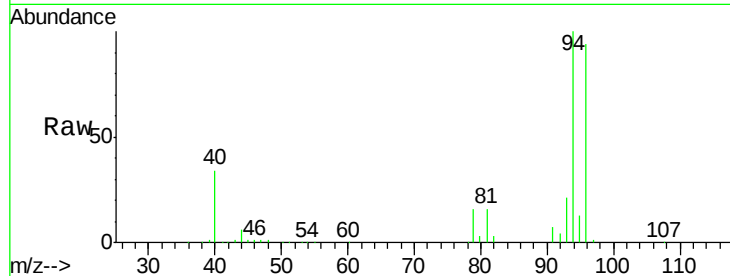
VSTDCCC050

Tot Ion: 94 Resp: 156763

Ion Ratio Lower Upper

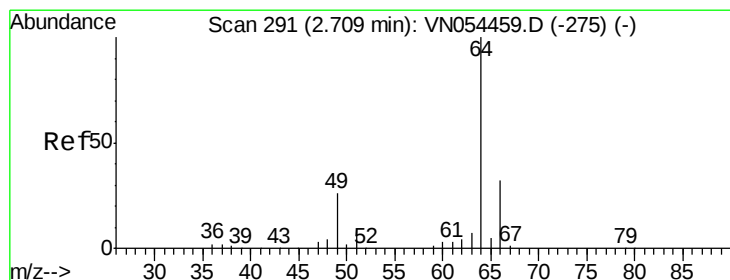
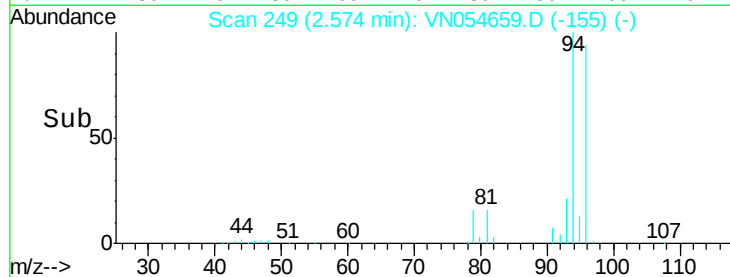
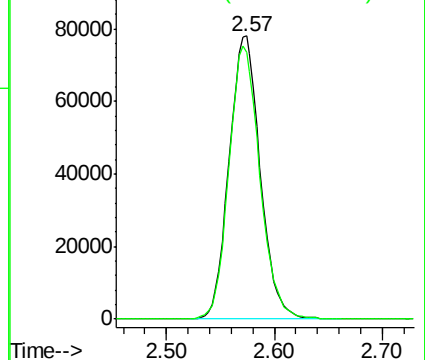
94 100

96 94.1 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.440 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054659.D

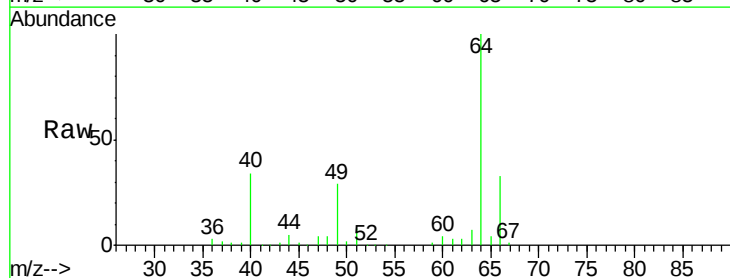
Acq: 25 Mar 2019 9:07

Tgt Ion: 64 Resp: 156574

Ion Ratio Lower Upper

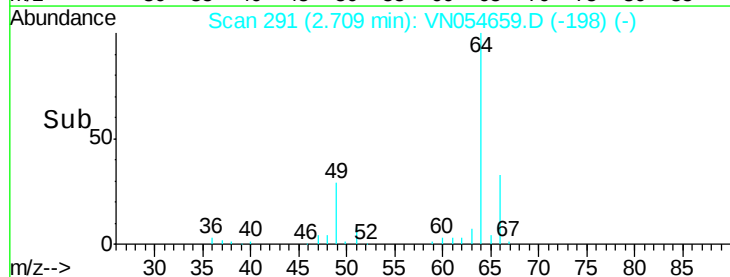
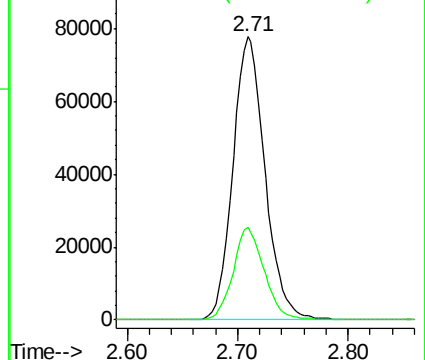
64 100

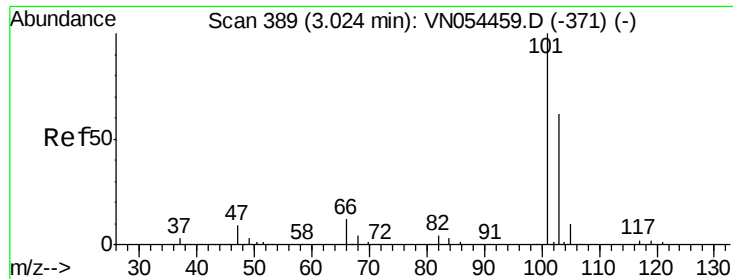
66 32.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



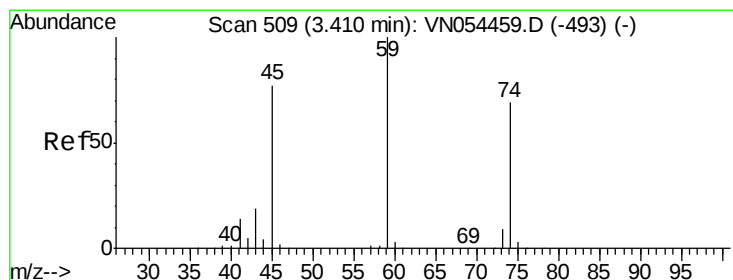
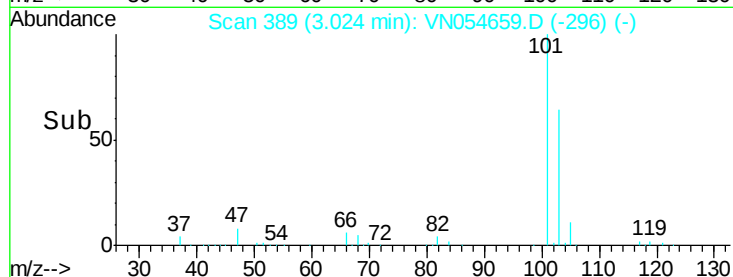
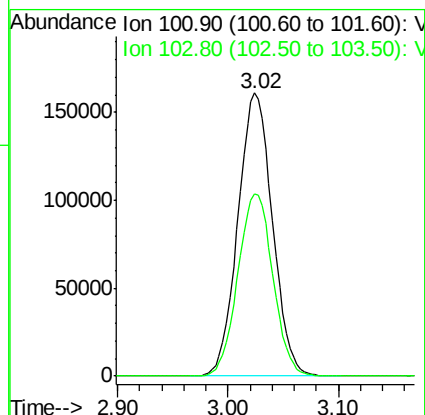
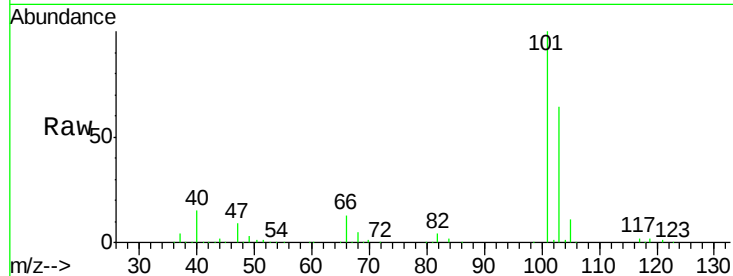


#7

Trichlorofluoromethane
 Concen: 51.205 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
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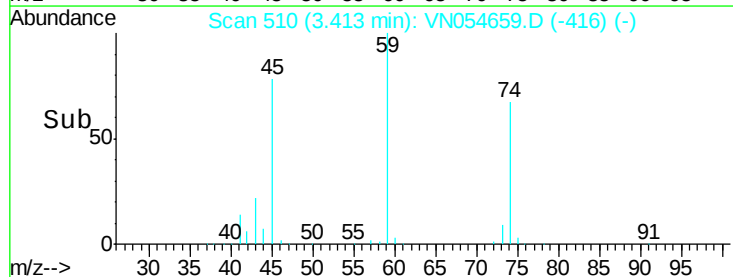
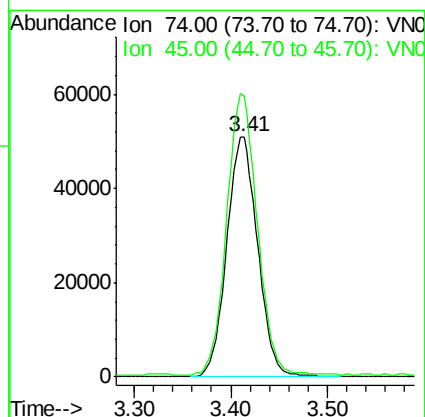
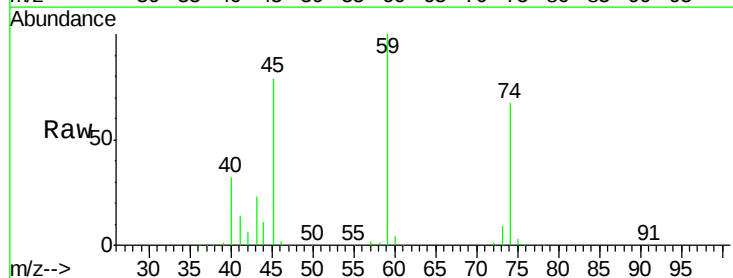
Tot Ion:101 Resp: 349550
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2

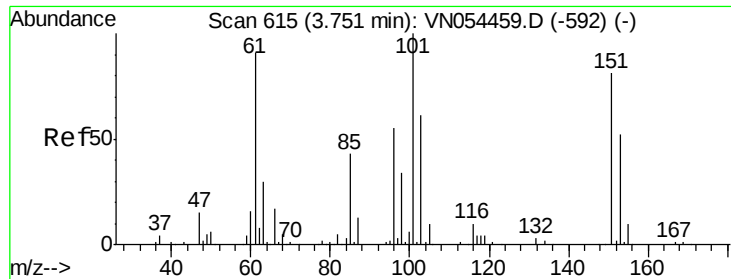


#8

Diethyl Ether
 Concen: 43.076 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 74 Resp: 113092
 Ion Ratio Lower Upper
 74 100
 45 115.9 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.326 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054659.D

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VSTDCCC050

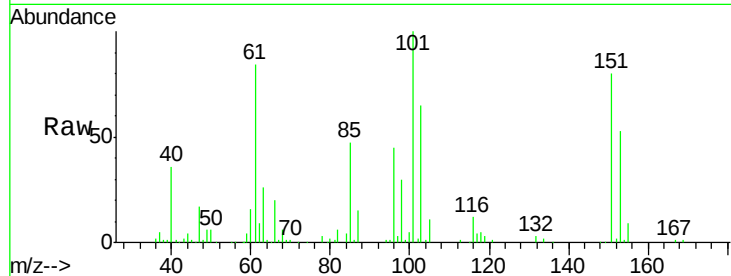
Tot Ion:101 Resp: 189867

Ion Ratio Lower Upper

101 100

85 46.9 32.4 48.6

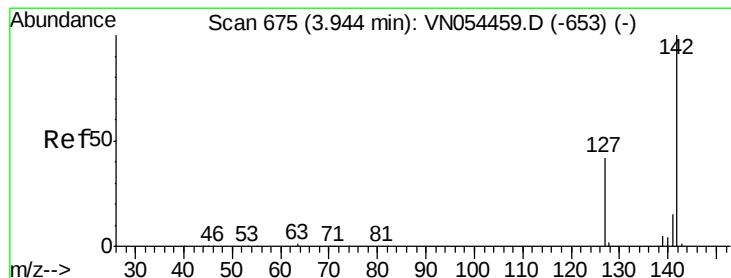
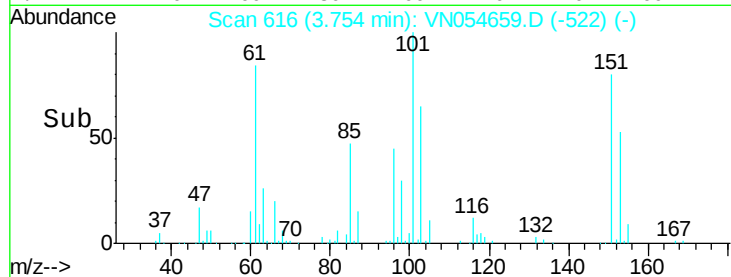
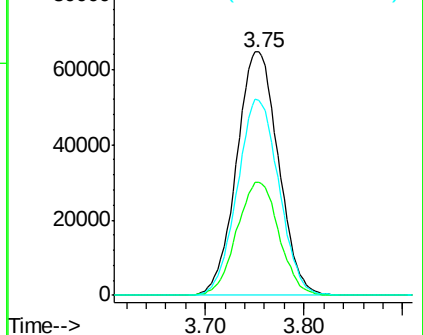
151 80.1 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.171 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

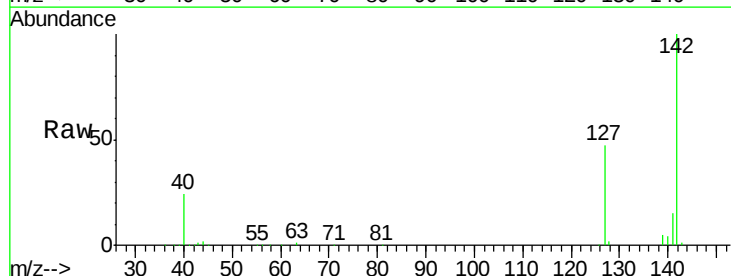
Tgt Ion:142 Resp: 266579

Ion Ratio Lower Upper

142 100

127 46.4 30.3 45.5#

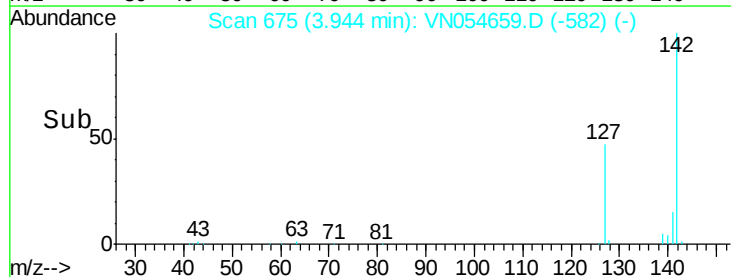
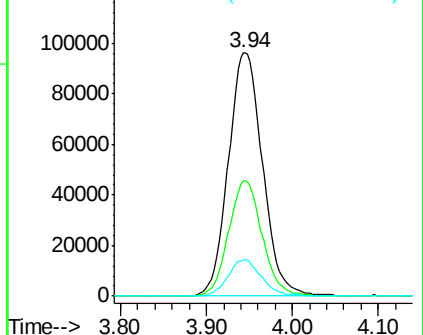
141 14.6 11.2 16.8

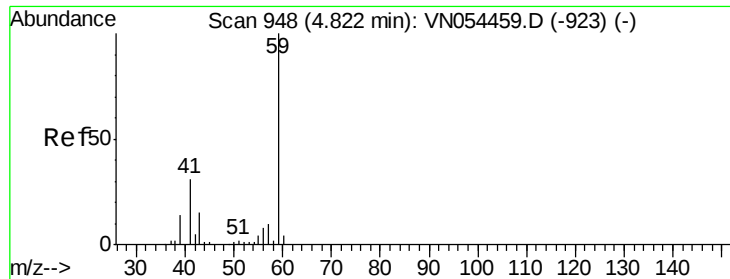


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



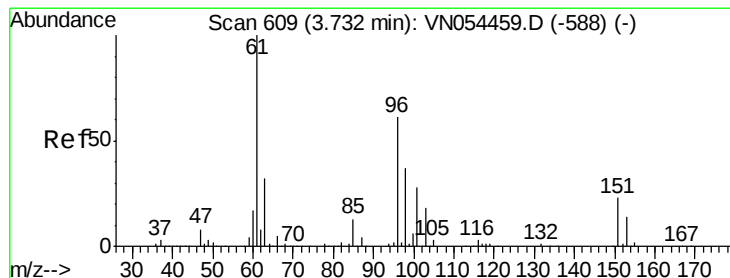
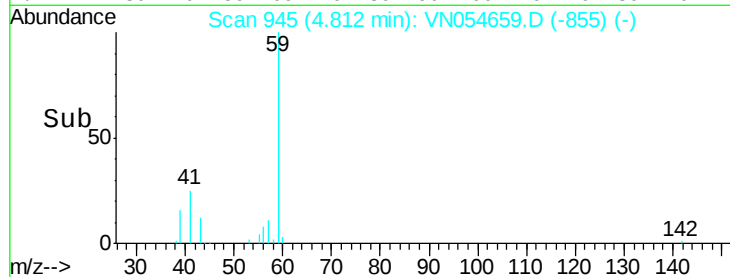
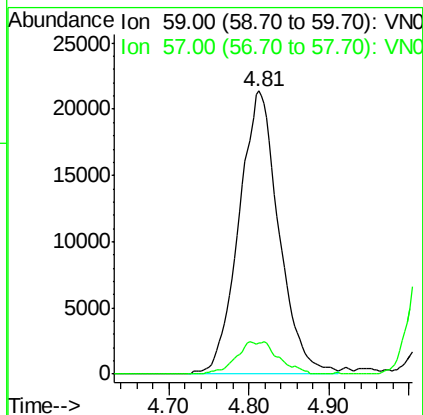
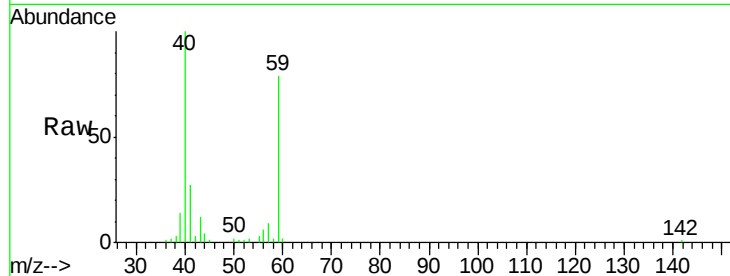


#11

Tert butyl alcohol
 Concen: 224.641 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

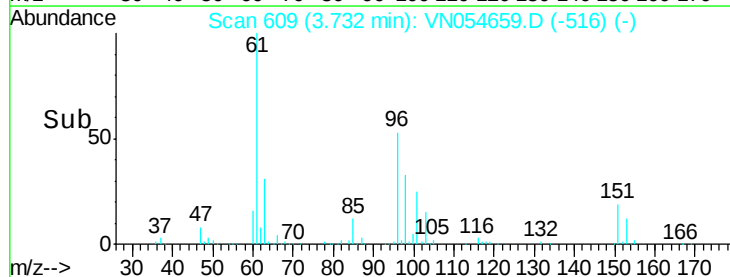
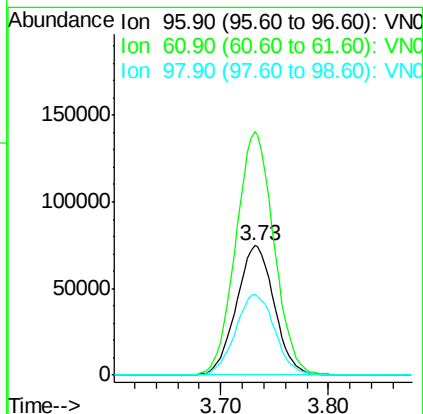
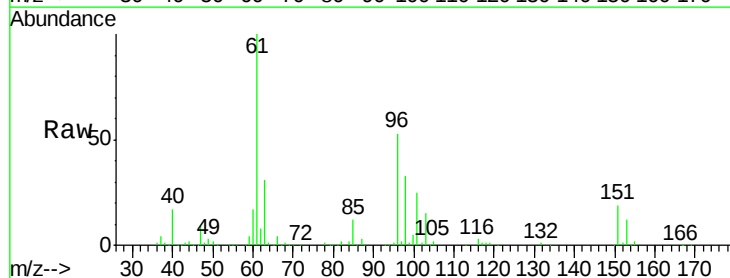
Tot Ion: 59 Resp: 72817
 Ion Ratio Lower Upper
 59 100
 57 5.9 9.0 13.6#

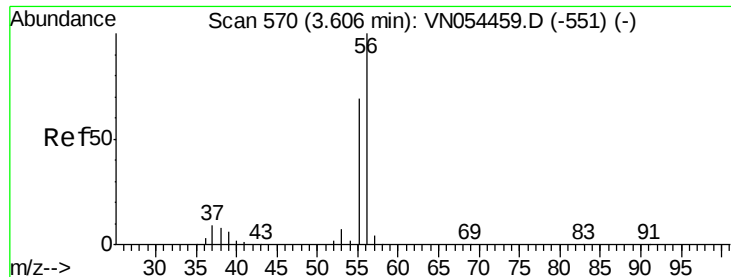


#12

1,1-Dichloroethene
 Concen: 44.037 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 96 Resp: 182835
 Ion Ratio Lower Upper
 96 100
 61 188.0 116.5 174.7#
 98 62.3 51.0 76.4





#13

Acrolein

Concen: 131.443 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

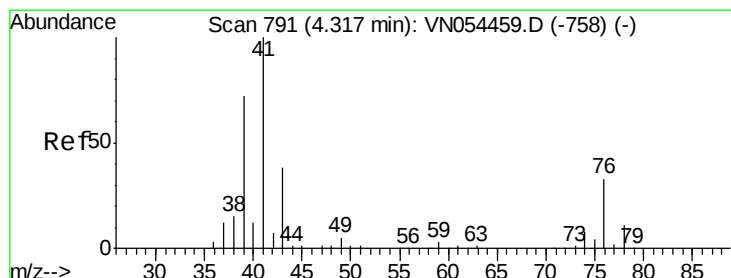
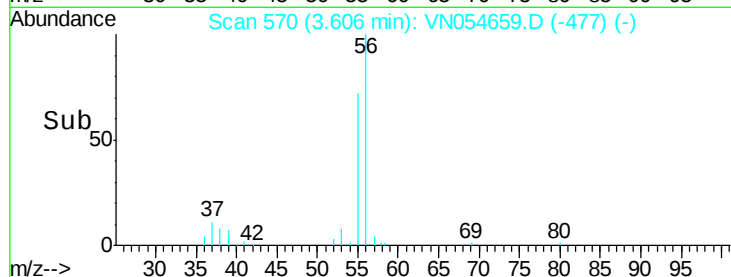
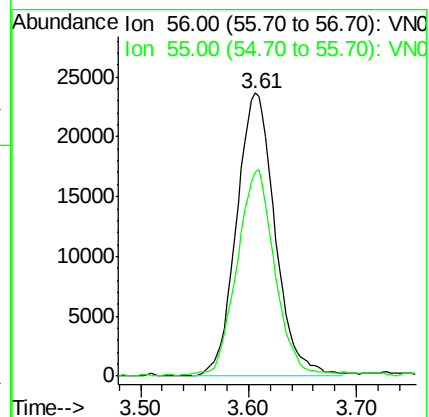
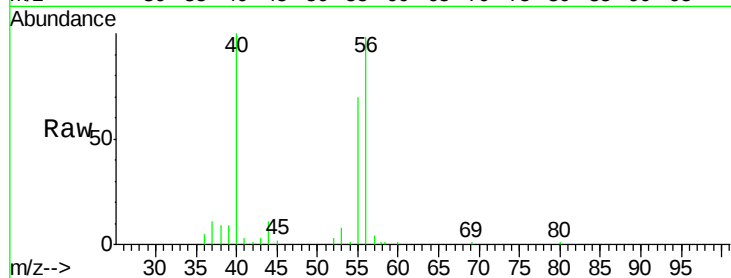
VSTDCCC050

Tot Ion: 56 Resp: 58798

Ion Ratio Lower Upper

56 100

55 72.0 56.7 85.1



#14

Allyl chloride

Concen: 53.958 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

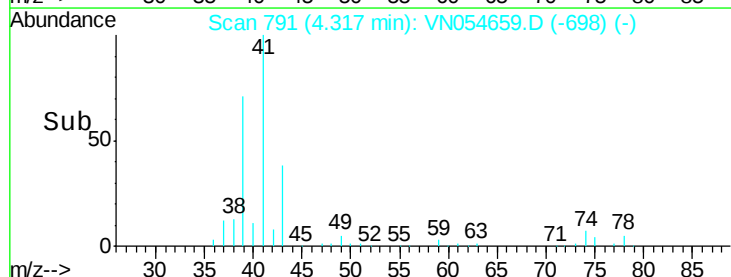
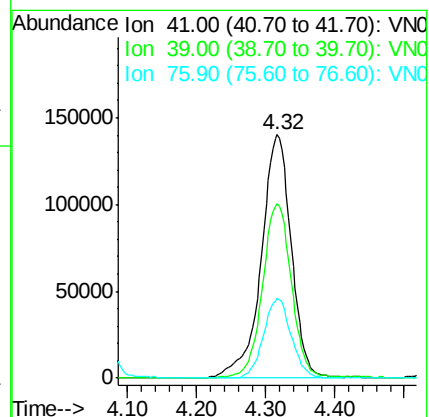
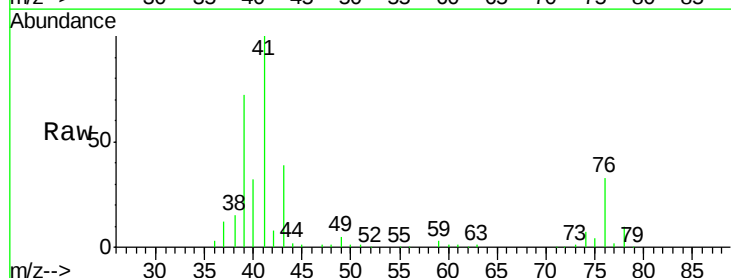
Tgt Ion: 41 Resp: 421853

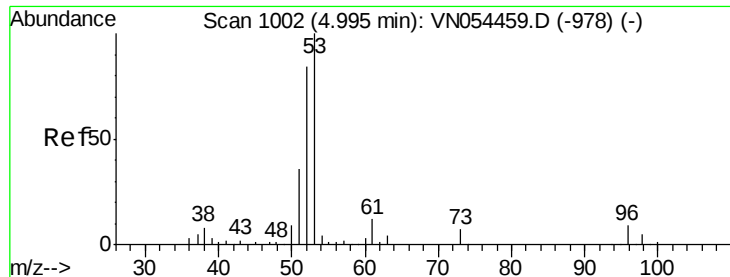
Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

76 30.2 31.7 47.5#





#15

Acrylonitrile

Concen: 258.661 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

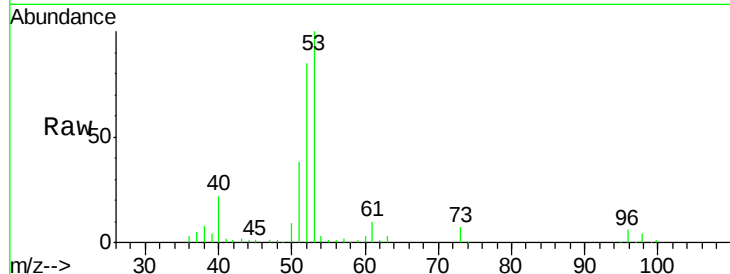
Tot Ion: 53 Resp: 417538

Ion Ratio Lower Upper

53 100

52 83.4 66.4 99.6

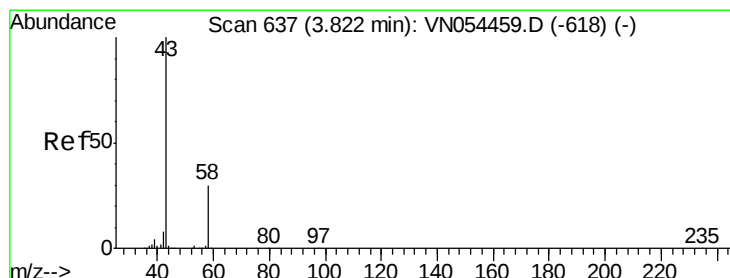
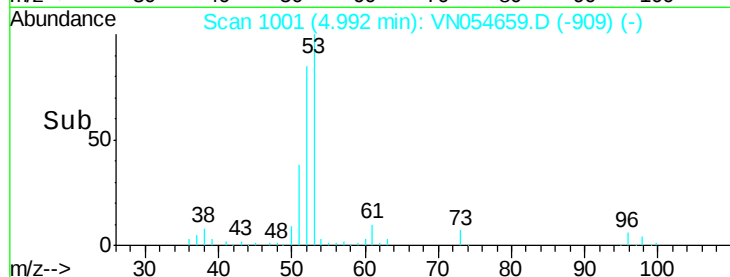
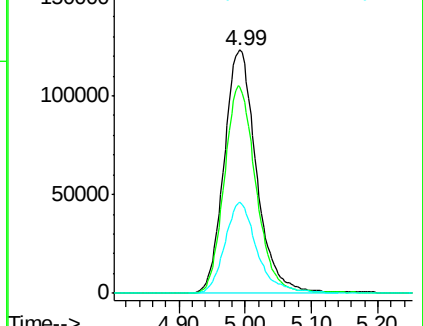
51 36.8 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 327.290 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054659.D

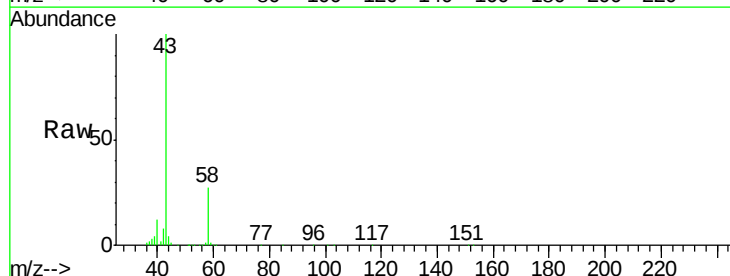
Acq: 25 Mar 2019 9:07

Tgt Ion: 43 Resp: 526842

Ion Ratio Lower Upper

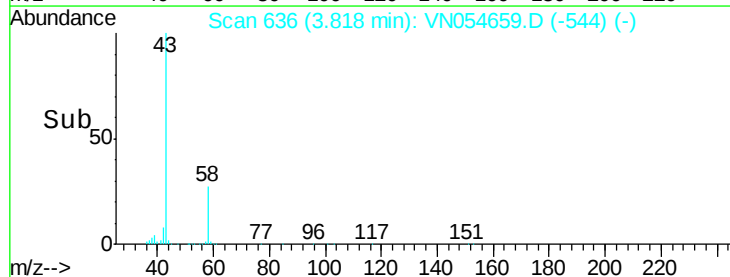
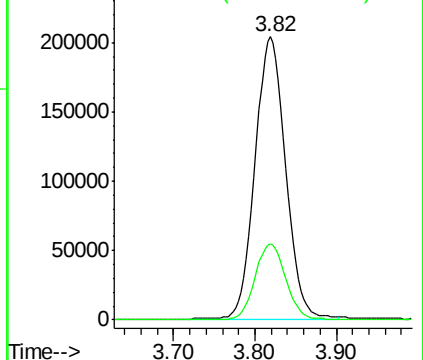
43 100

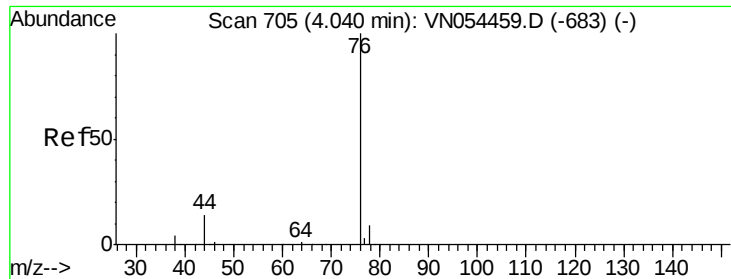
58 26.9 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

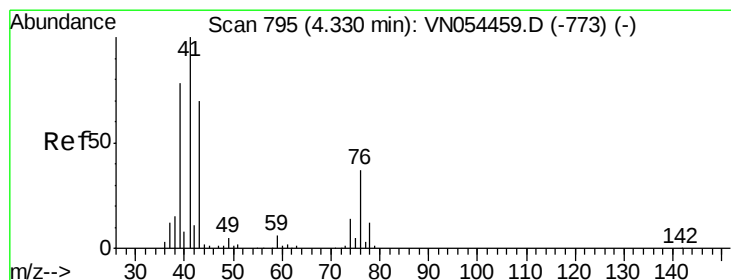
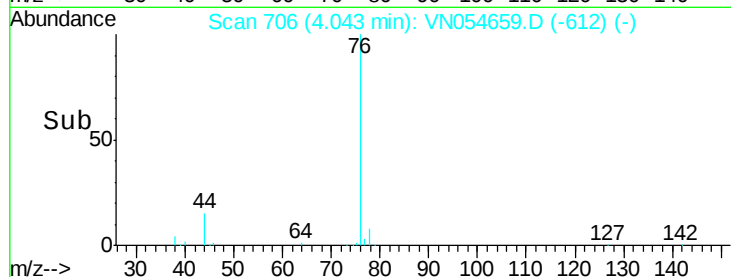
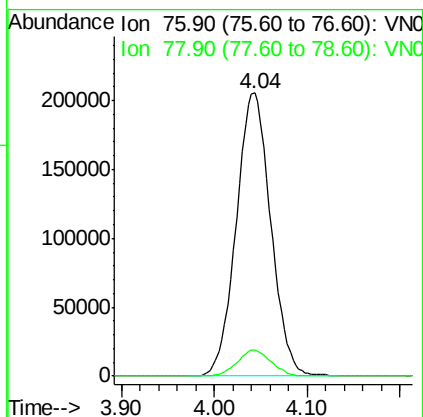
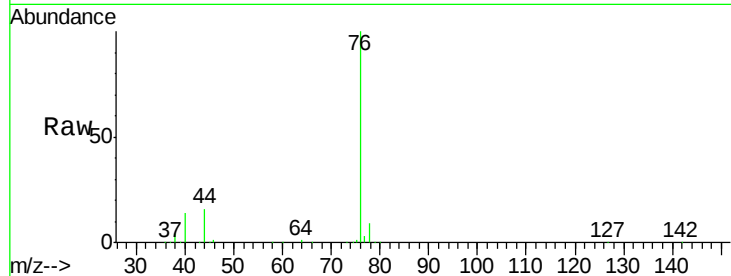




#17
Carbon Disulfide
Concen: 47.659 ug/l
RT: 4.04 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

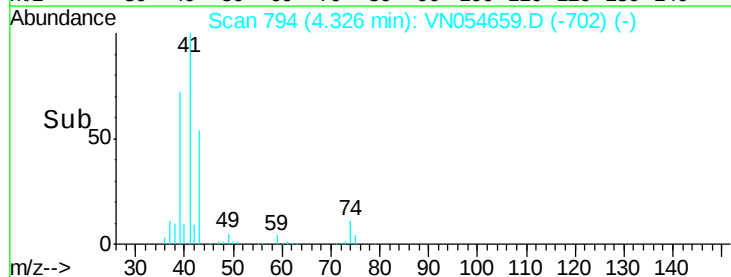
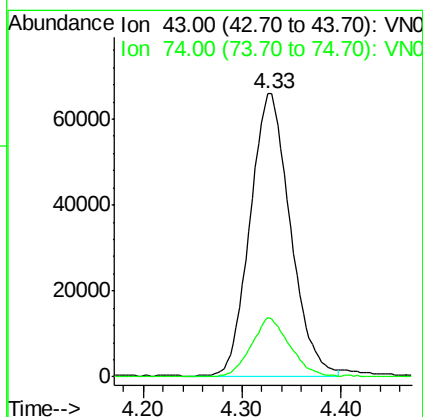
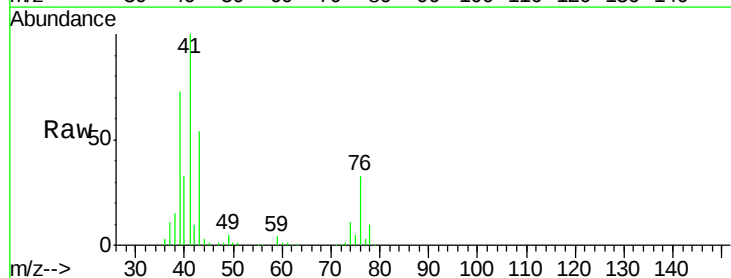
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

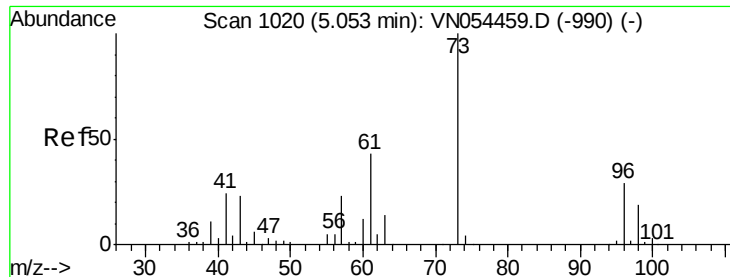
Tot Ion: 76 Resp: 530184
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 51.634 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 43 Resp: 185255
Ion Ratio Lower Upper
43 100
74 20.1 20.8 31.2#

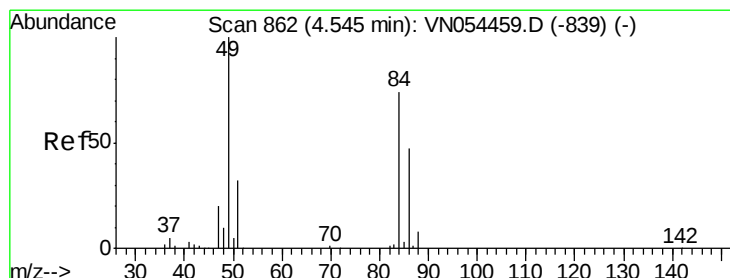
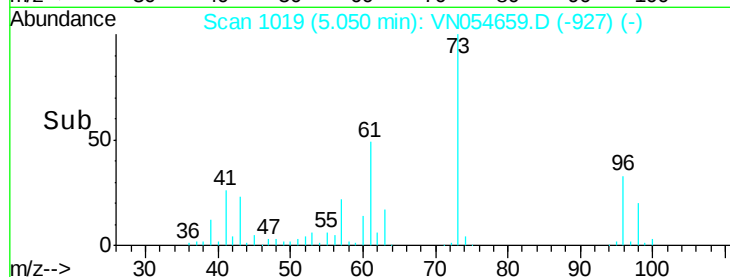
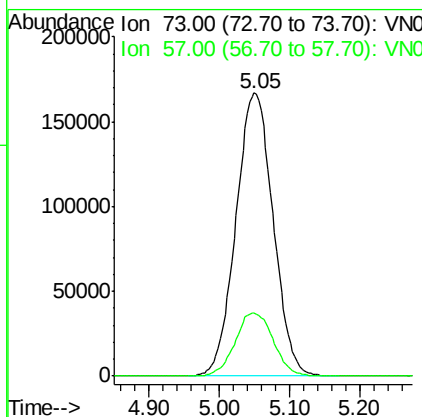
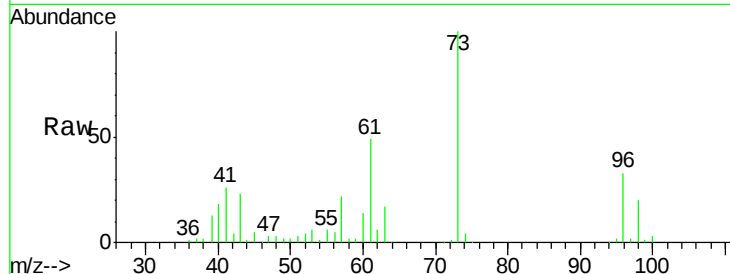




#19
Methyl tert-butyl Ether
Concen: 50.685 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

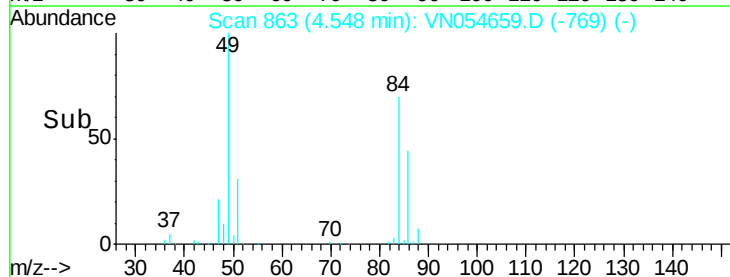
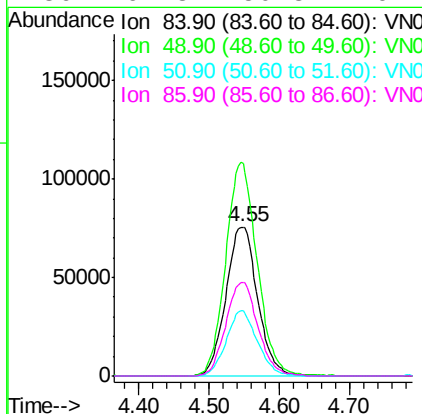
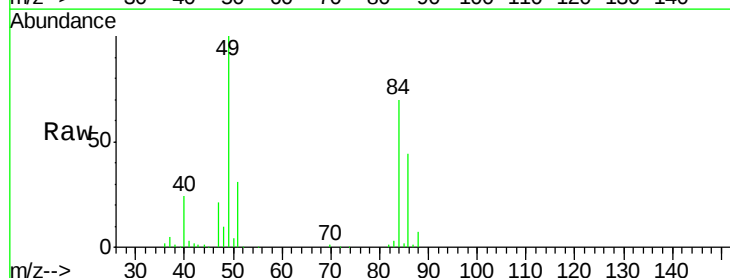
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

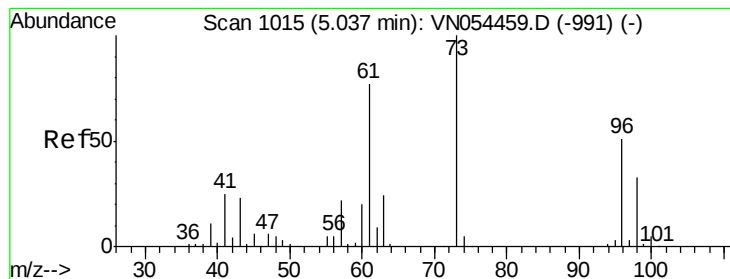
Tot Ion: 73 Resp: 614137
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2



#20
Methylene Chloride
Concen: 50.017 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 84 Resp: 237337
Ion Ratio Lower Upper
84 100
49 142.3 89.7 134.5#
51 43.8 28.2 42.4#
86 62.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 51.841 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

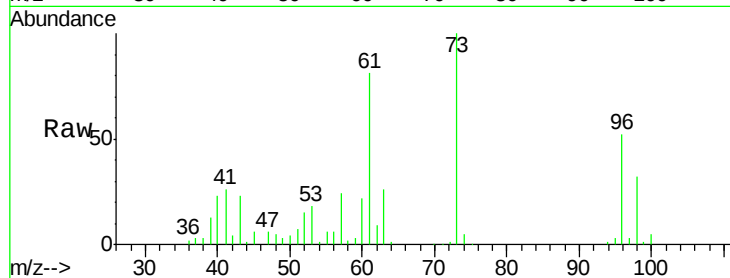
Tot Ion: 96 Resp: 219781

Ion Ratio Lower Upper

96 100

61 154.7 102.8 154.2#

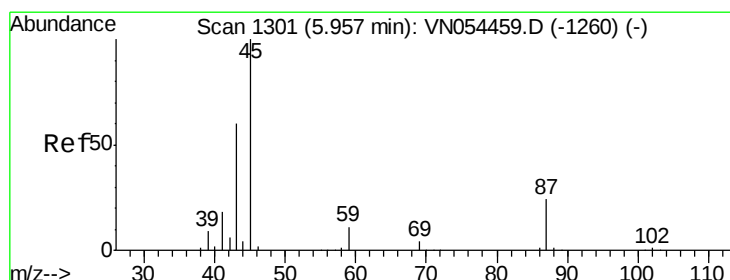
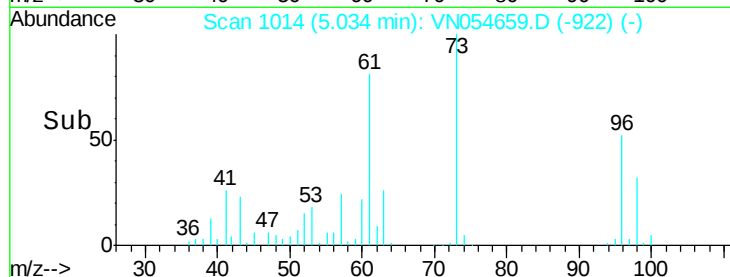
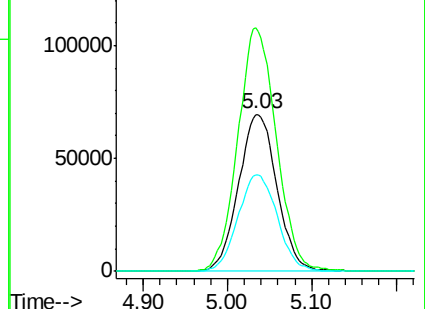
98 61.5 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-991) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-991) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-991) (-)



#22

Diisopropyl ether

Concen: 55.732 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion: 45 Resp: 859458

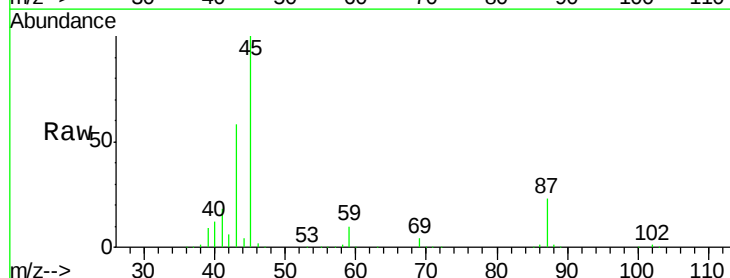
Ion Ratio Lower Upper

45 100

43 58.2 48.2 72.2

87 23.2 24.9 37.3#

59 9.9 9.5 14.3

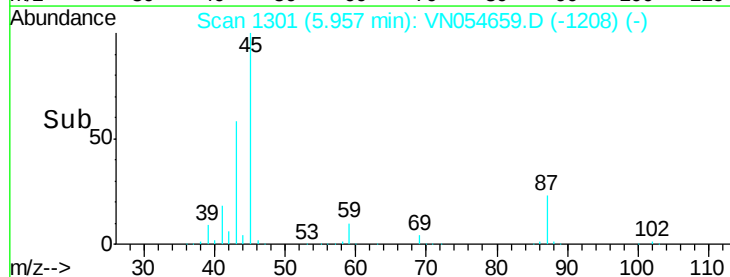
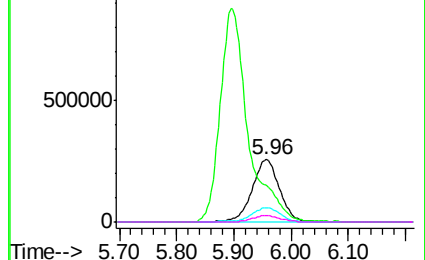


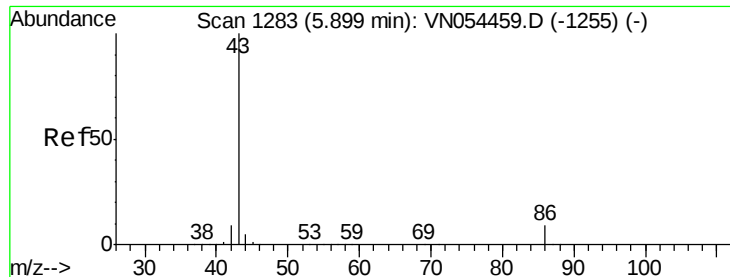
Abundance Ion 45.00 (44.70 to 45.70): VN054459.D (-1260) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-1260) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1260) (-)

Ion 59.00 (58.70 to 59.70): VN054459.D (-1260) (-)





#23

Vinyl Acetate

Concen: 274.122 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

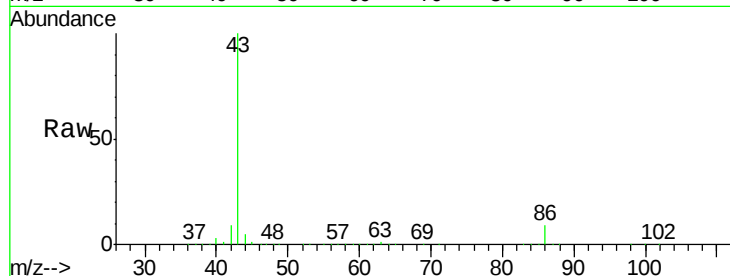
VSTDCCC050

Tot Ion: 43 Resp: 2985589

Ion Ratio Lower Upper

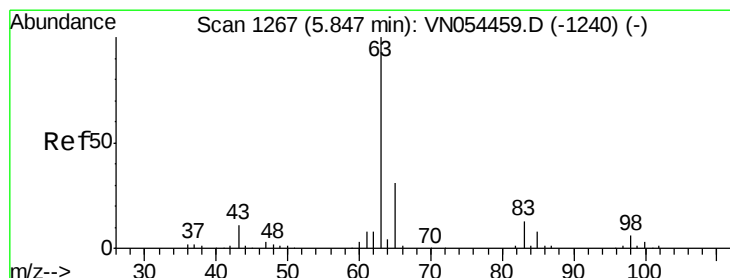
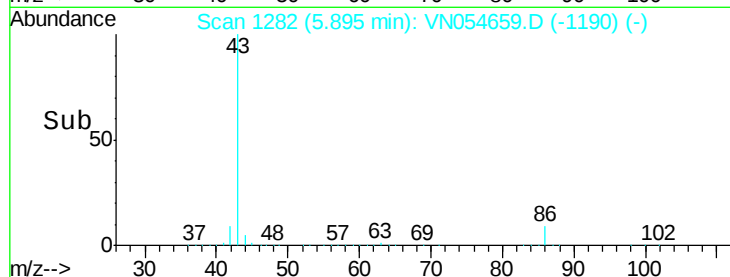
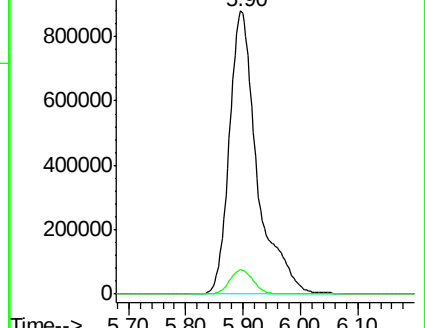
43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN054459.D (-1255) (-)



#24

1,1-Dichloroethane

Concen: 54.241 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

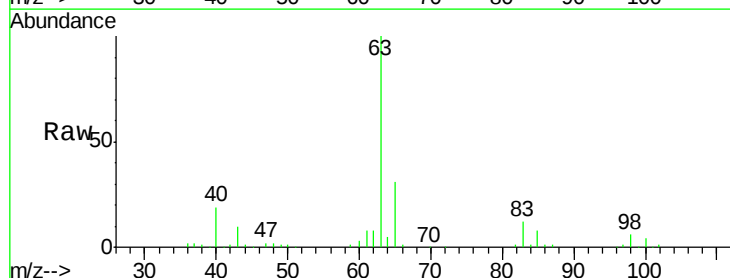
Tgt Ion: 63 Resp: 450374

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

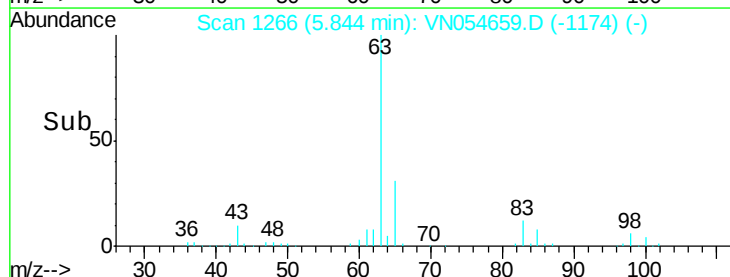
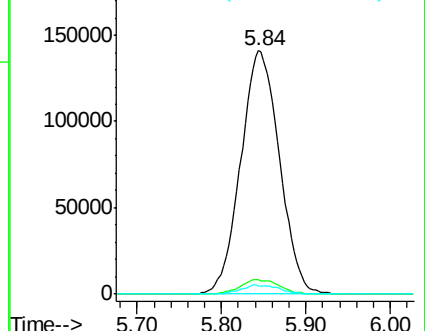
100 3.6 2.0 6.0

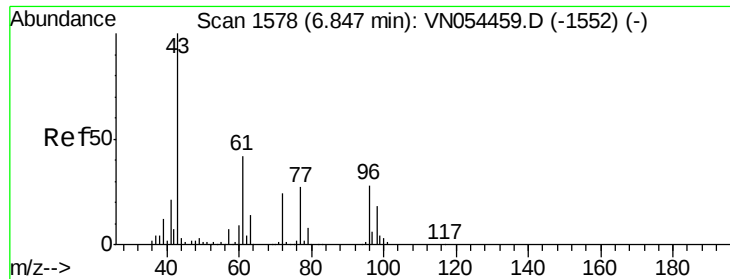


Abundance Ion 62.90 (62.60 to 63.60): VN054459.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN054459.D (-1240) (-)





#25

2-Butanone

Concen: 307.745 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

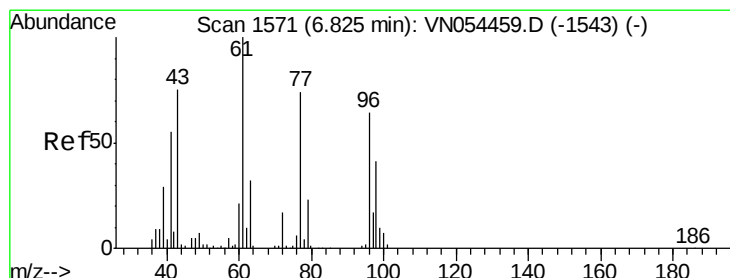
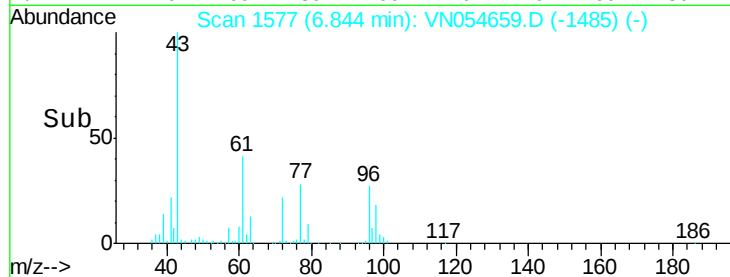
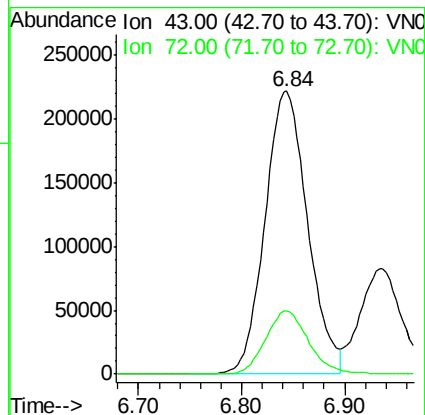
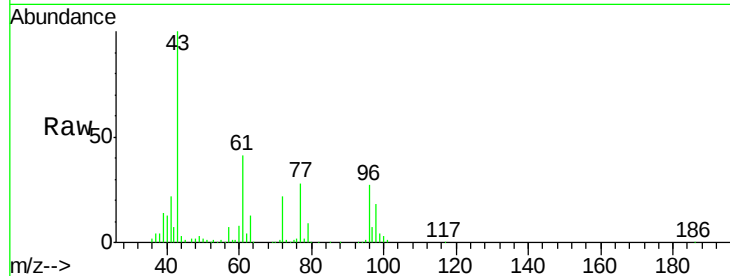
VSTDCCC050

Tot Ion: 43 Resp: 634580

Ion Ratio Lower Upper

43 100

72 22.4 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 55.624 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054659.D

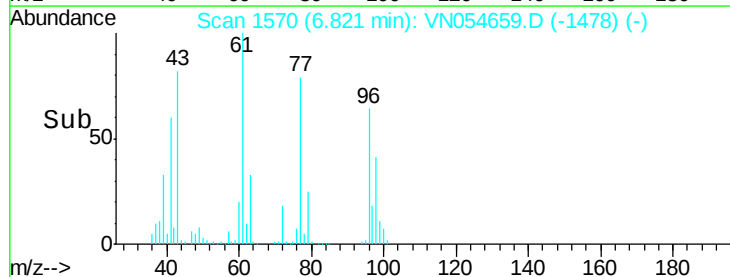
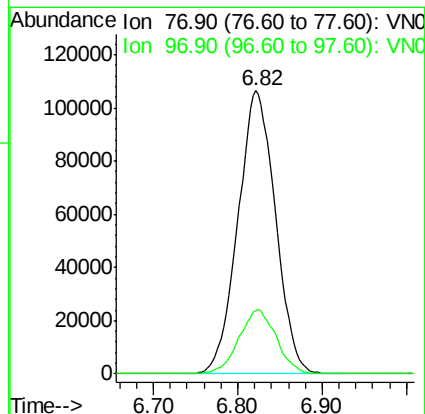
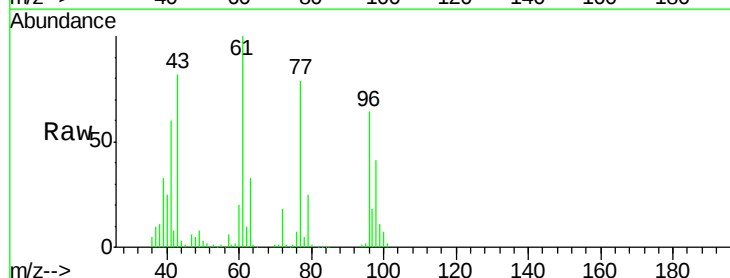
Acq: 25 Mar 2019 9:07

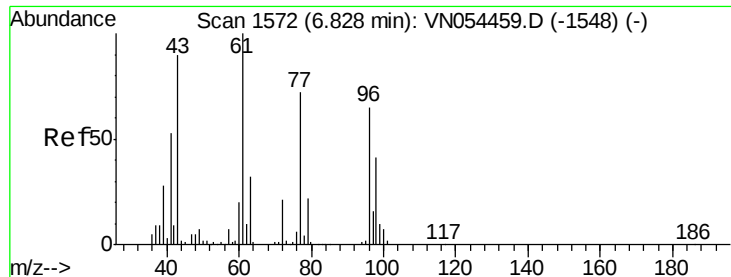
Tgt Ion: 77 Resp: 329235

Ion Ratio Lower Upper

77 100

97 22.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.823 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

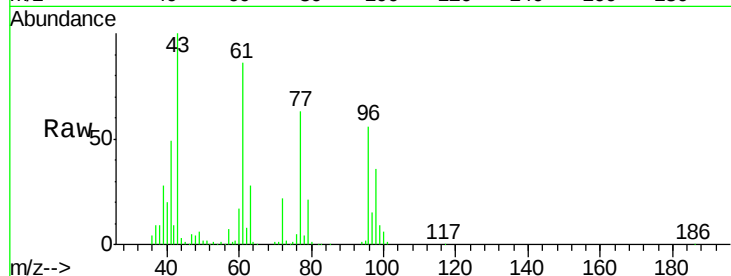
Tot Ion: 96 Resp: 256997

Ion Ratio Lower Upper

96 100

61 158.5 0.0 273.0

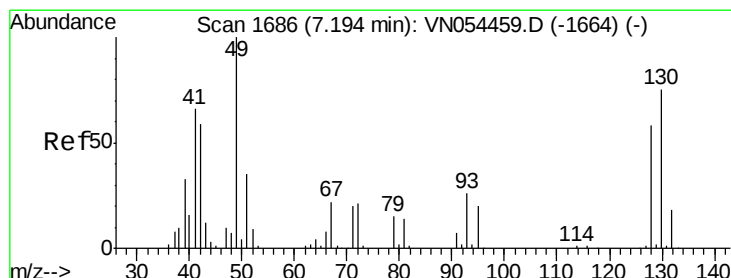
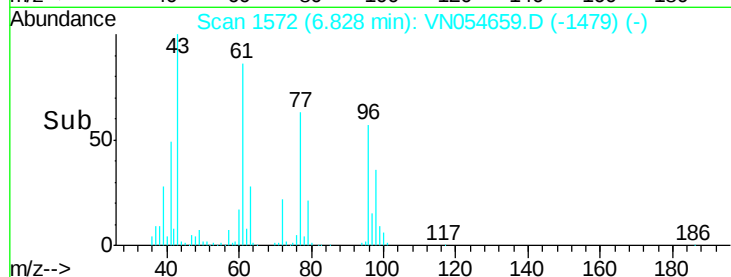
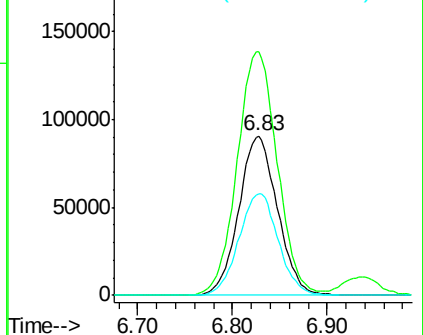
98 65.2 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 54.695 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

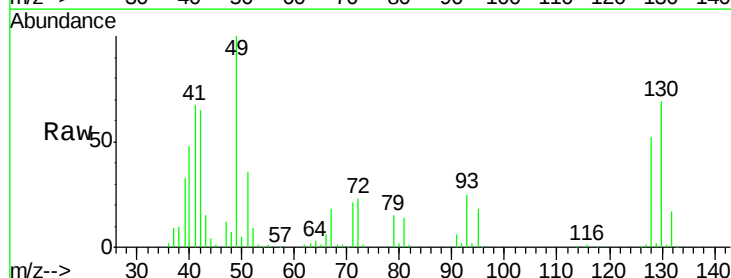
Tgt Ion: 49 Resp: 223540

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

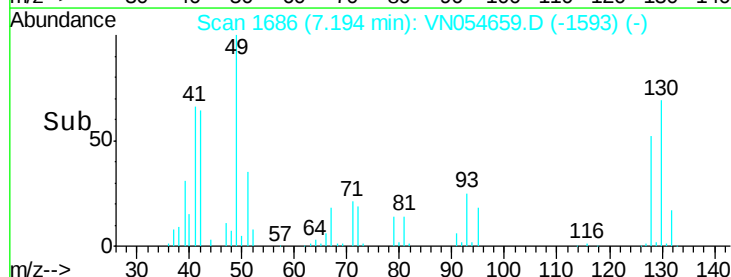
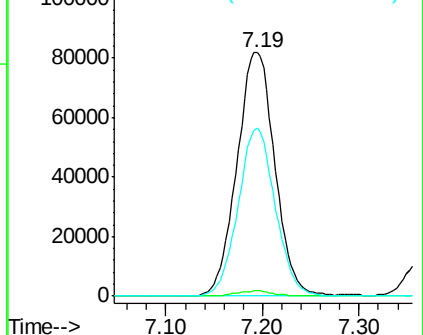
130 67.3 76.7 115.1#

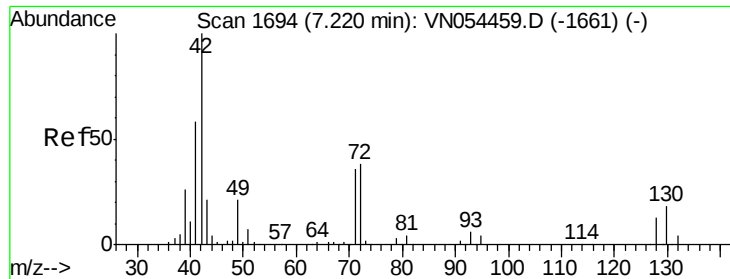


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 257.197 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

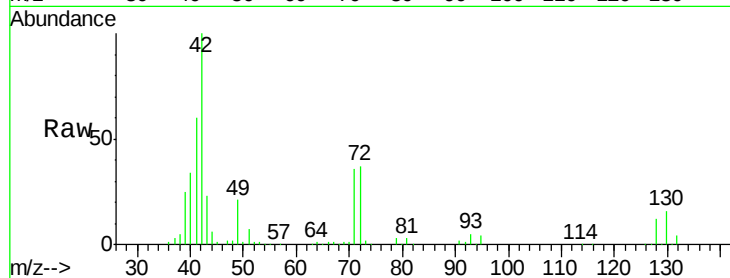
Tot Ion: 42 Resp: 344162

Ion Ratio Lower Upper

42 100

72 36.3 37.8 56.6#

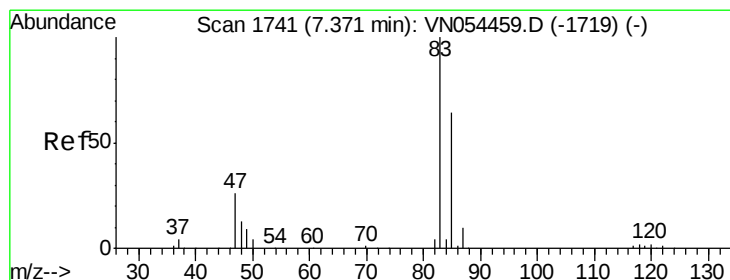
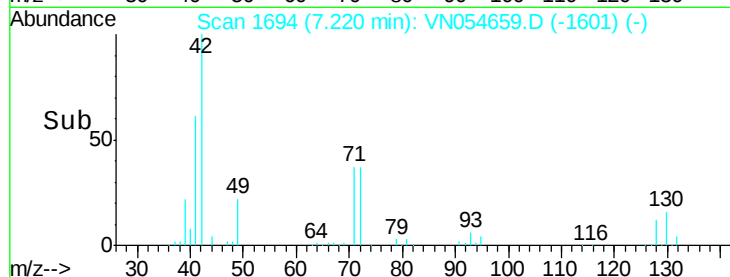
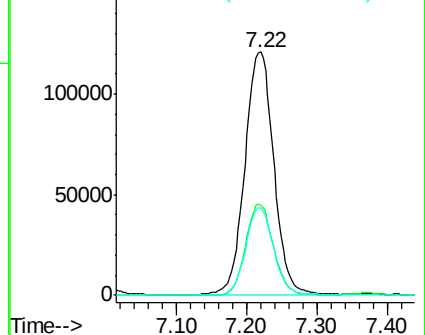
71 35.1 36.2 54.2#



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: 53.528 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054659.D

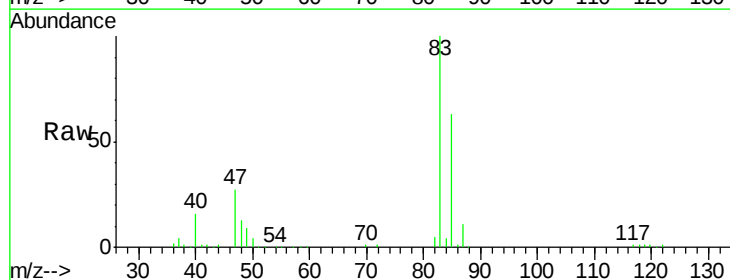
Acq: 25 Mar 2019 9:07

Tgt Ion: 83 Resp: 433747

Ion Ratio Lower Upper

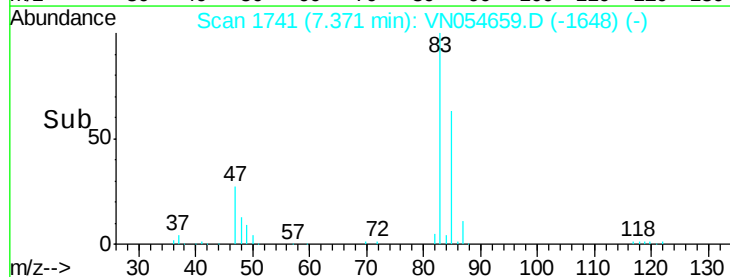
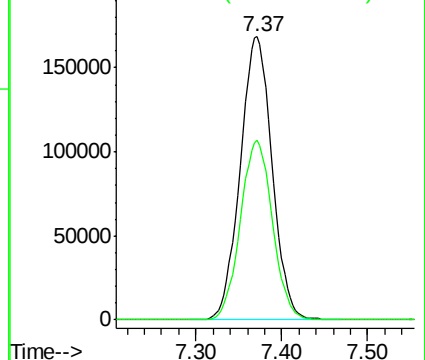
83 100

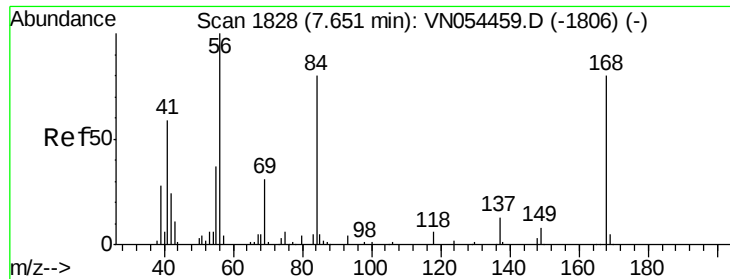
85 63.4 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 53.876 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

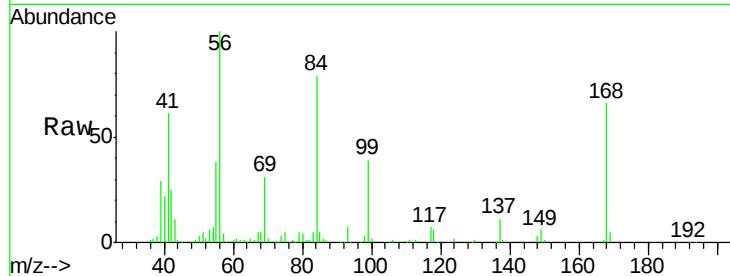
Tot Ion: 56 Resp: 427504

Ion Ratio Lower Upper

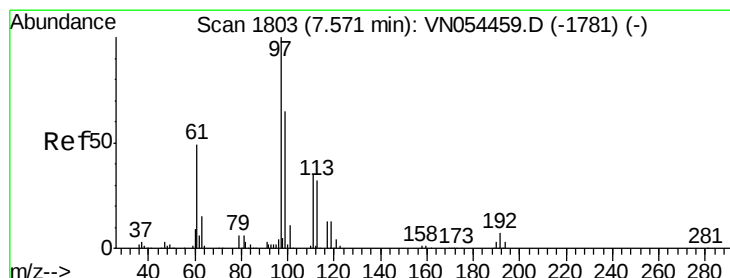
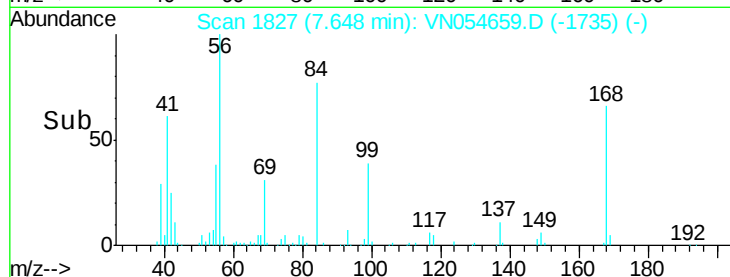
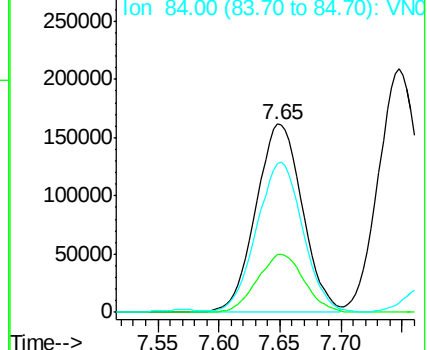
56 100

69 30.5 27.8 41.6

84 77.8 74.6 111.8



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



#32

1,1,1-Trichloroethane

Concen: 54.099 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

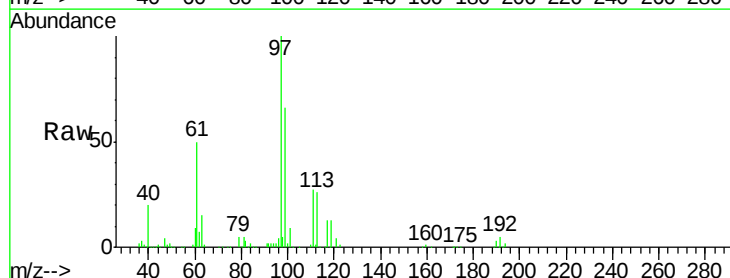
Tgt Ion: 97 Resp: 361664

Ion Ratio Lower Upper

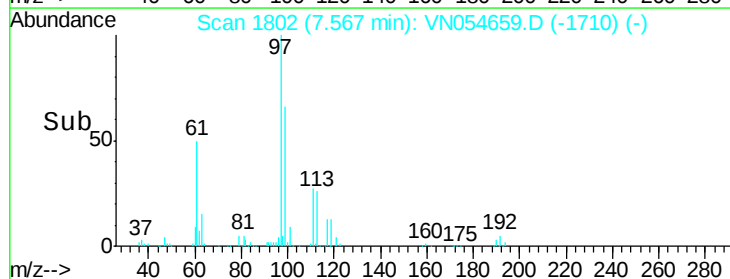
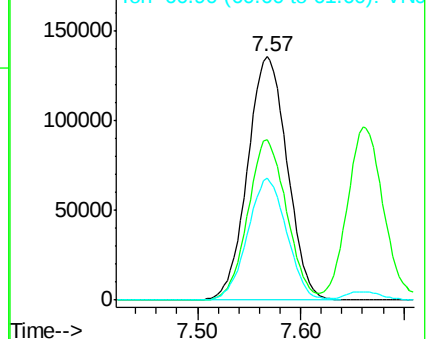
97 100

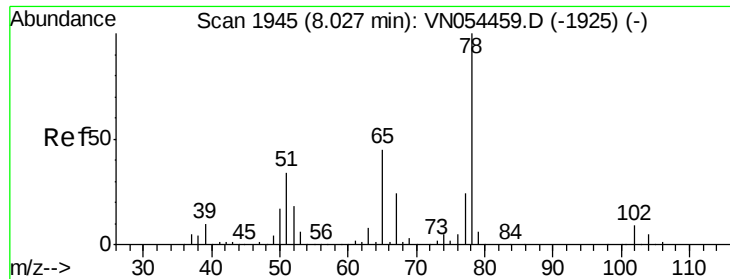
99 64.5 51.5 77.3

61 49.3 33.6 50.4



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

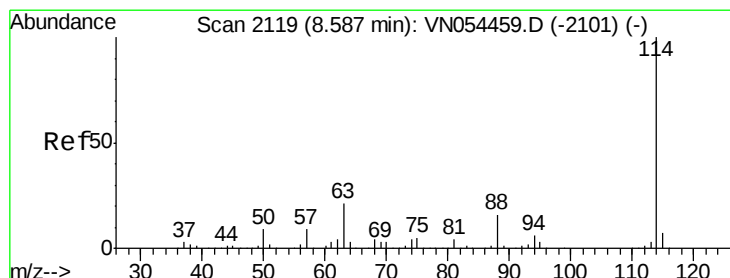
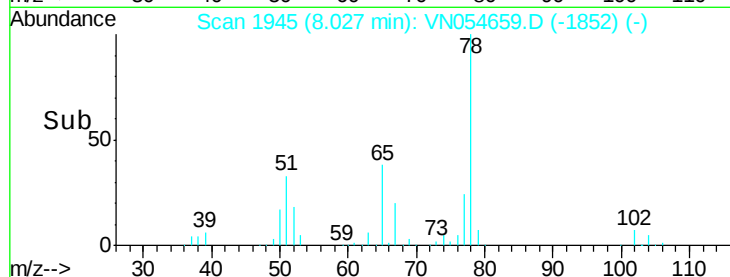
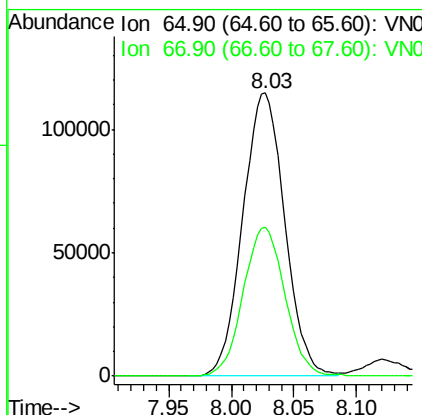
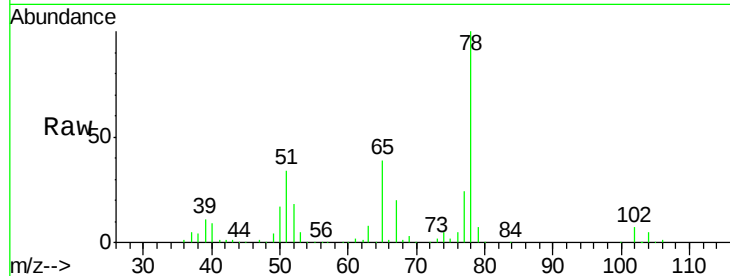




#33
 1,2-Dichloroethane-d4
 Concen: 49.958 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

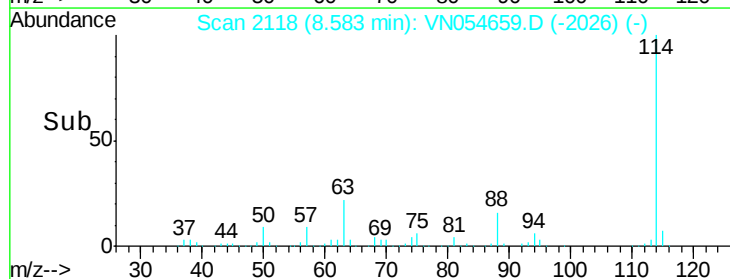
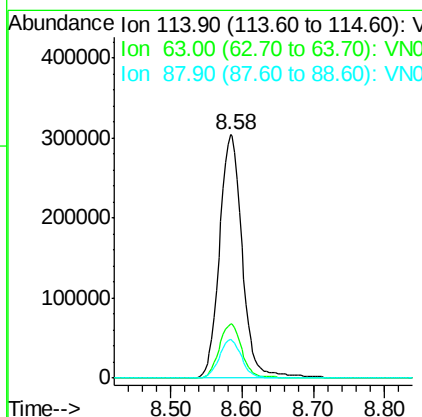
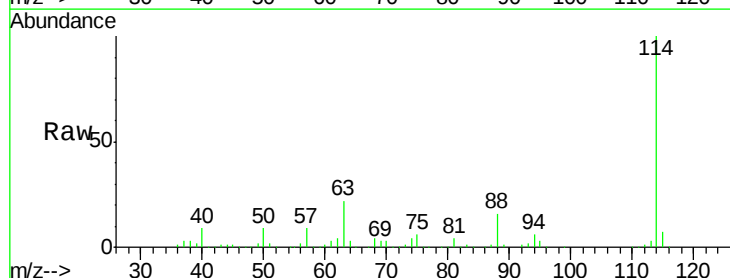
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

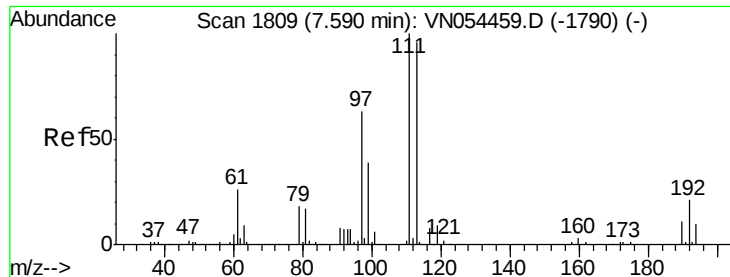
Tot Ion: 65 Resp: 267478
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 114 Resp: 673825
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 35.2
 88 15.7 0.0 30.2

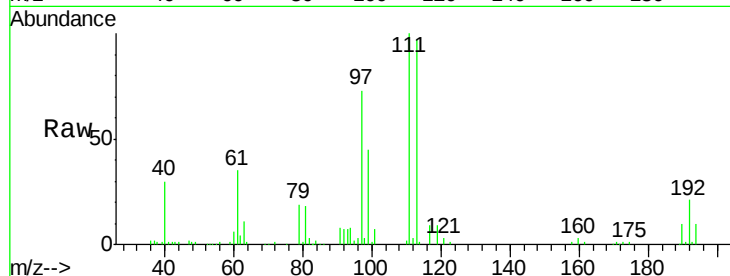




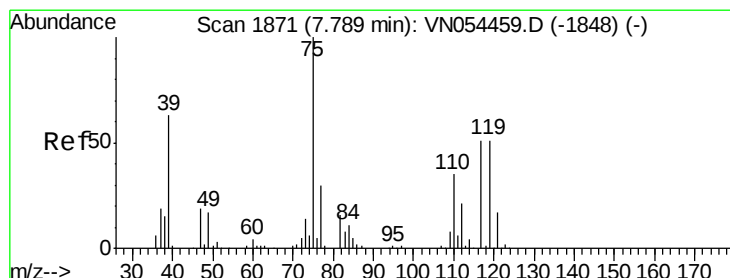
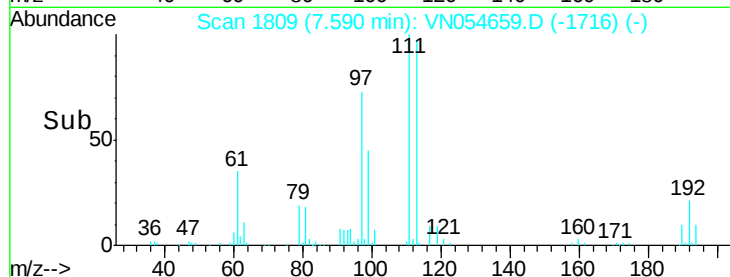
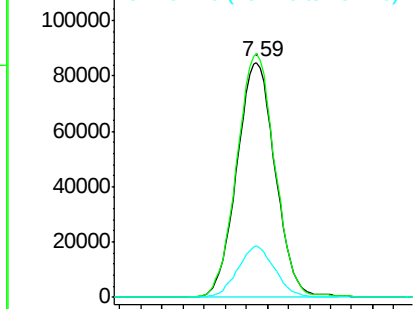
#35
Dibromofluoromethane
Concen: 49.482 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.4
192	21.1	19.2	28.8

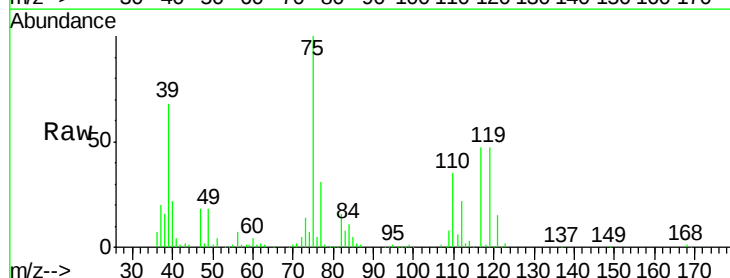


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

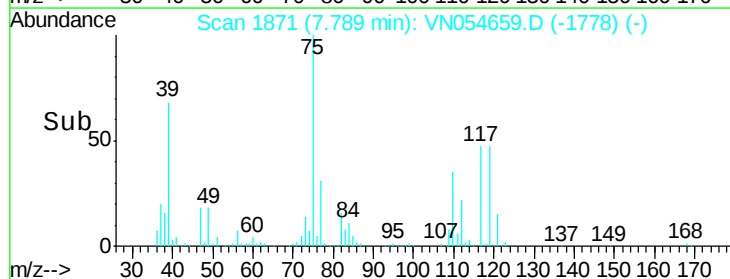
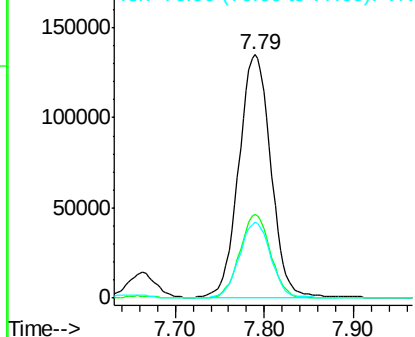


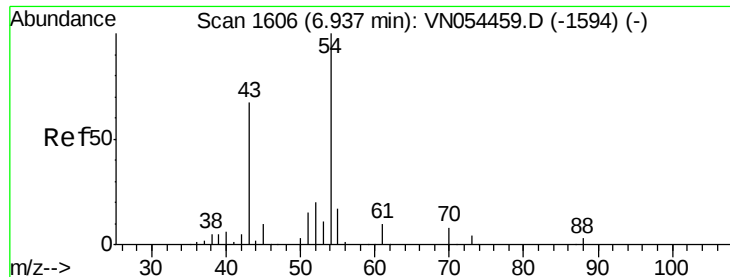
#36
1,1-Dichloropropene
Concen: 53.129 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.4	19.1	57.5
77	30.9	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

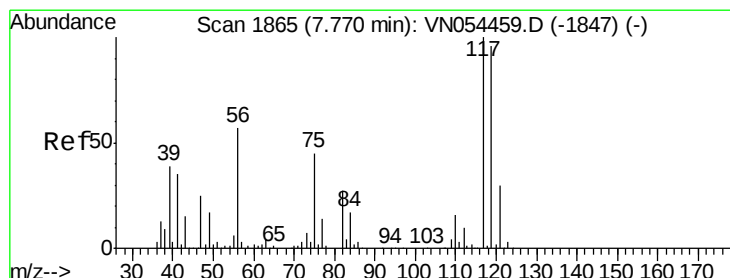
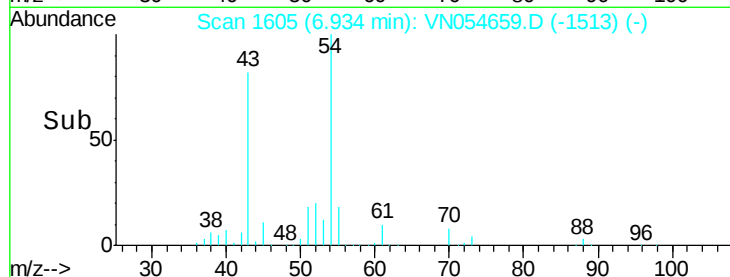
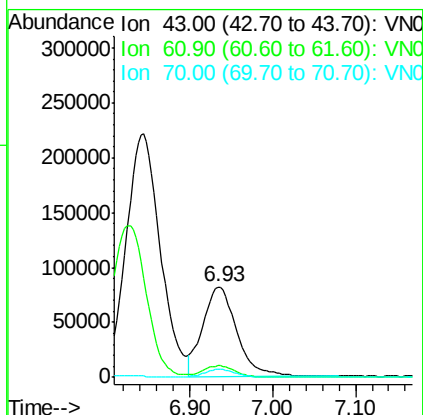
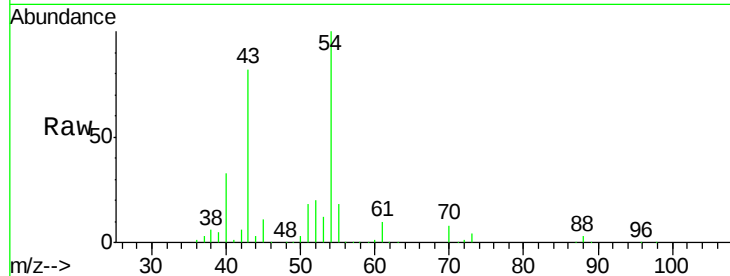




#37
Ethyl Acetate
Concen: 52.444 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

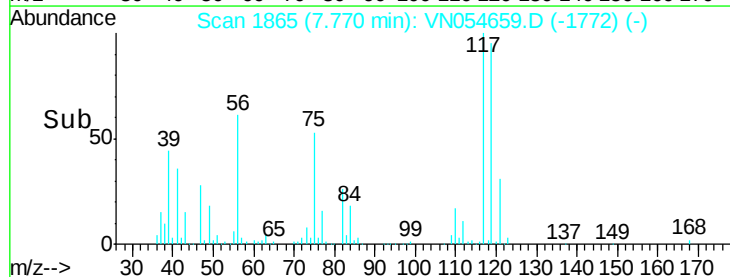
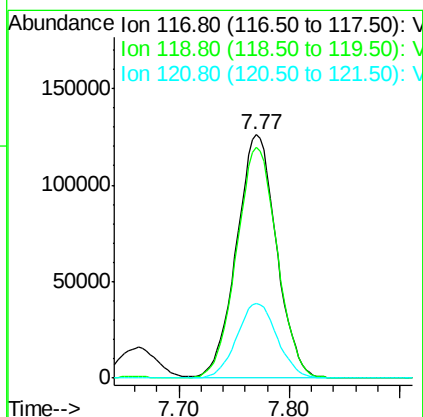
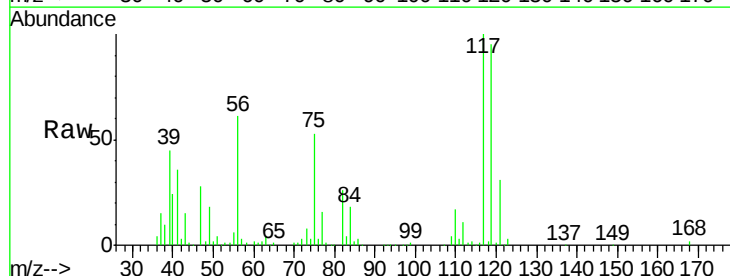
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

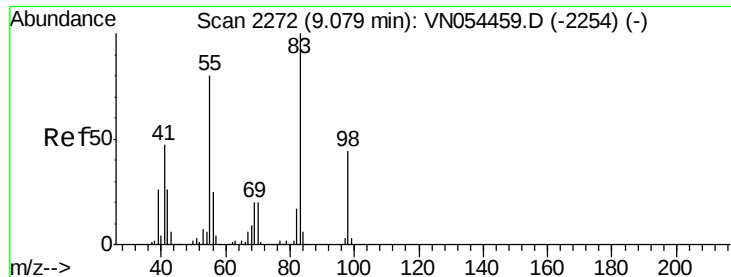
Tot Ion: 43 Resp: 235000
Ion Ratio Lower Upper
43 100
61 11.7 11.8 17.6#
70 8.3 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 51.512 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 117 Resp: 315384
Ion Ratio Lower Upper
117 100
119 94.8 76.3 114.5
121 30.8 24.6 36.8

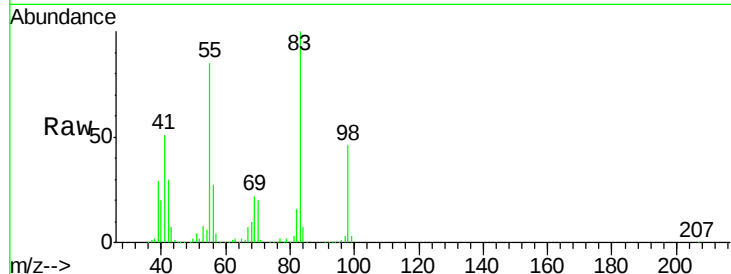




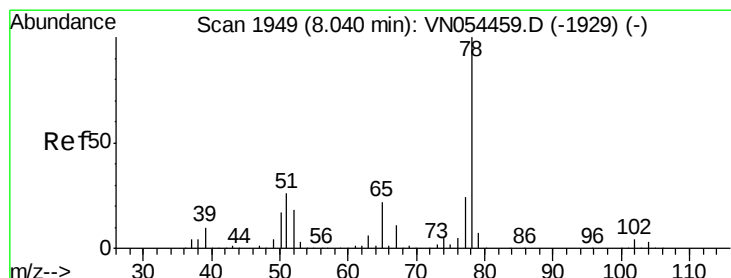
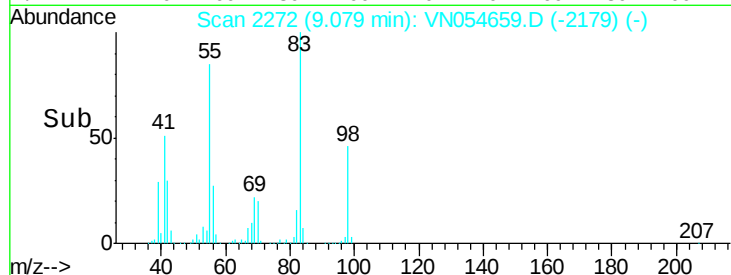
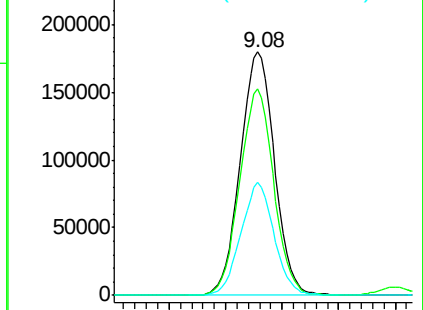
#39
Methvlcvclohexane
Concen: 52.577 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 378918
Ion Ratio Lower Upper
83 100
55 84.7 56.6 84.8
98 46.3 38.4 57.6

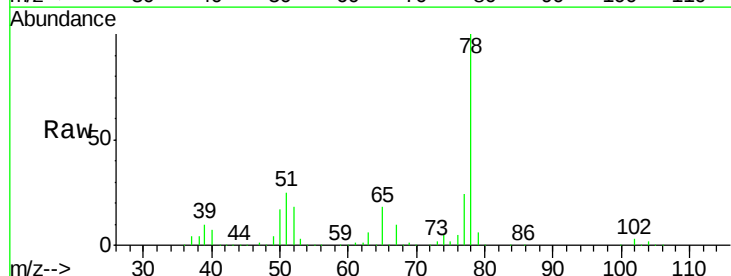


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

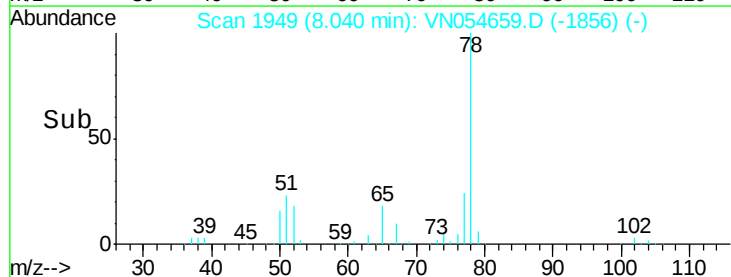
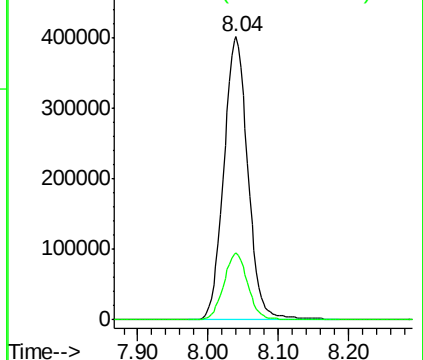


#40
Benzene
Concen: 53.308 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 78 Resp: 960404
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



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

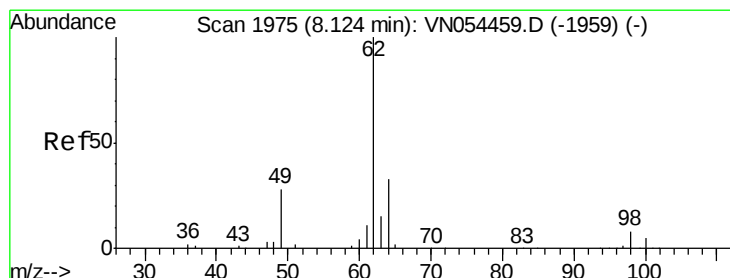
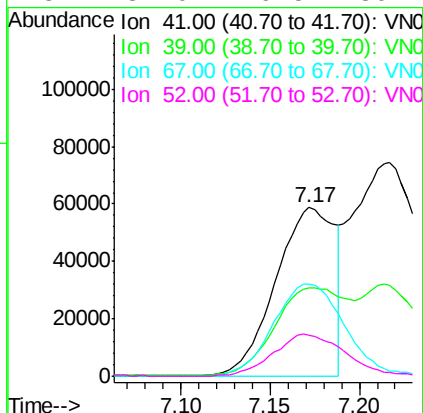
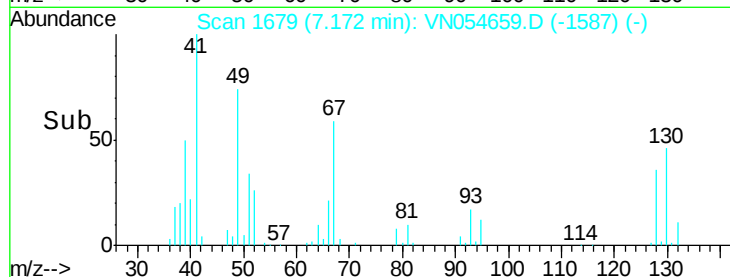
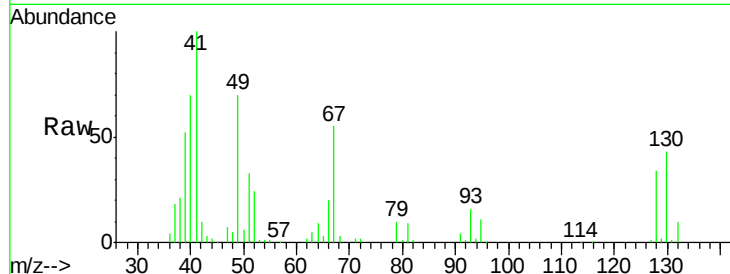




#41
Methacrylonitrile
Concen: 49.269 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

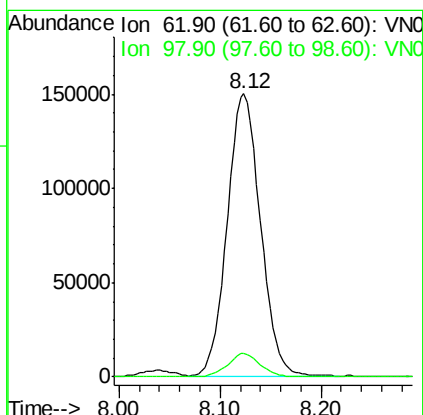
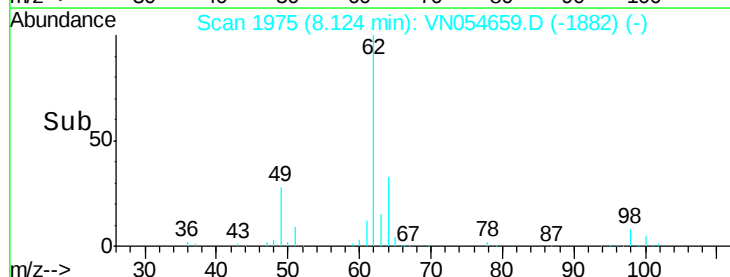
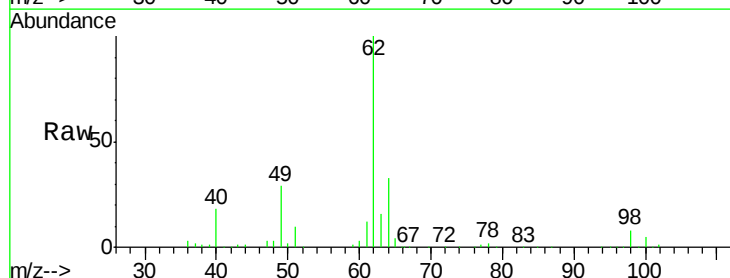
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

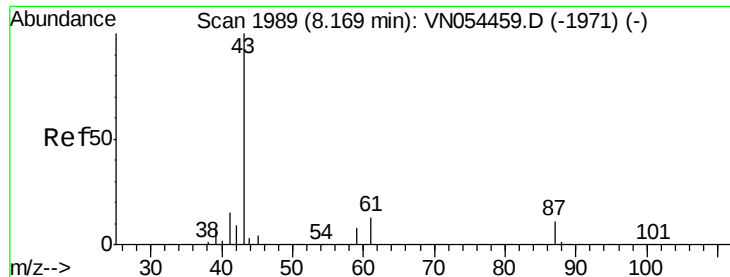
Tot Ion: 41 Resp: 134639
Ion Ratio Lower Upper
41 100
39 65.3 46.8 70.2
67 67.1 67.0 100.4
52 31.0 26.5 39.7



#42
1,2-Dichloroethane
Concen: 52.441 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 62 Resp: 344070
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4





#43

Isopropyl Acetate

Concen: 52.677 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

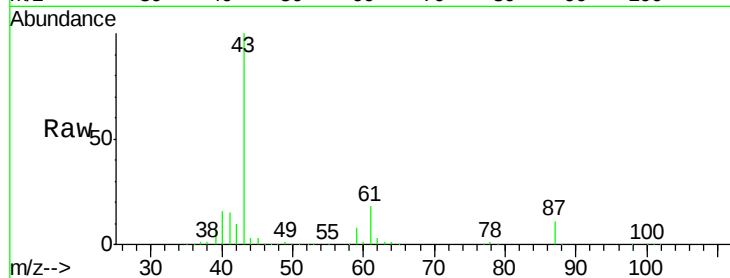
Tot Ion: 43 Resp: 398650

Ion Ratio Lower Upper

43 100

61 17.1 15.8 23.8

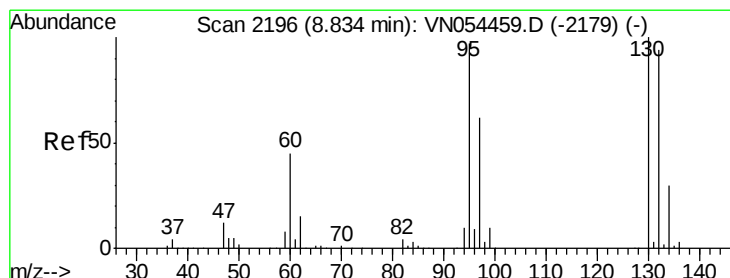
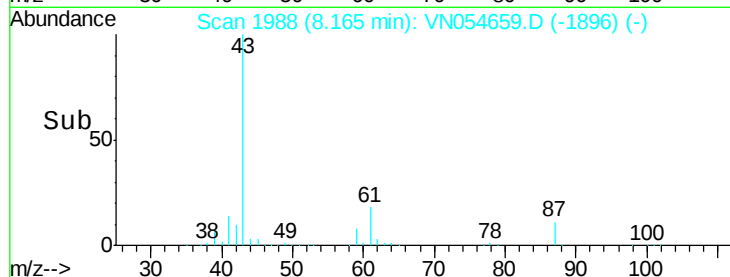
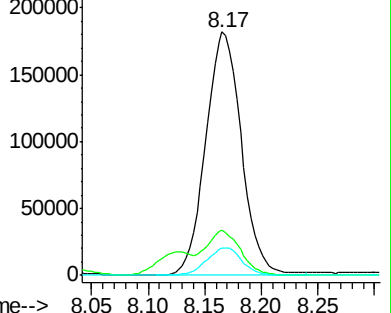
87 11.3 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 51.143 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054659.D

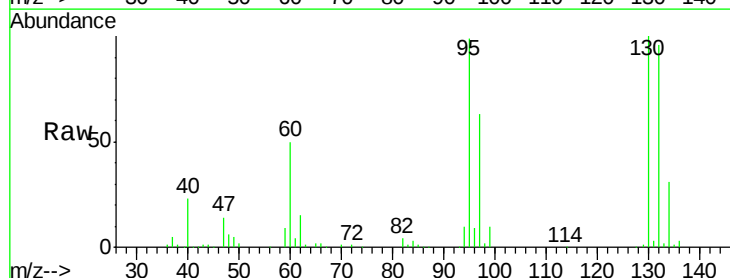
Acq: 25 Mar 2019 9:07

Tgt Ion:130 Resp: 256168

Ion Ratio Lower Upper

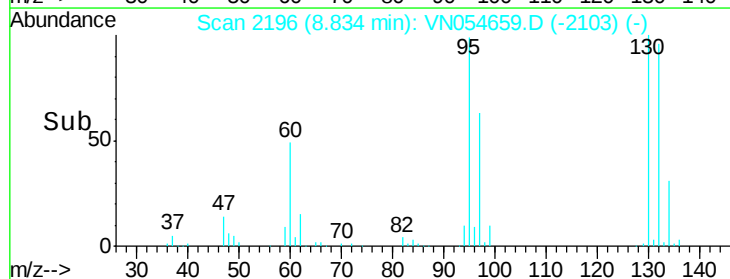
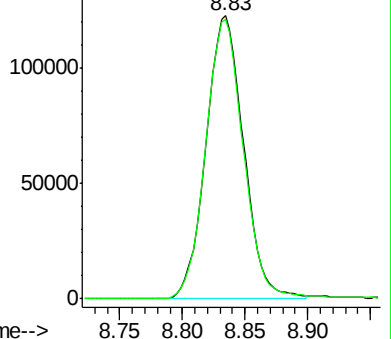
130 100

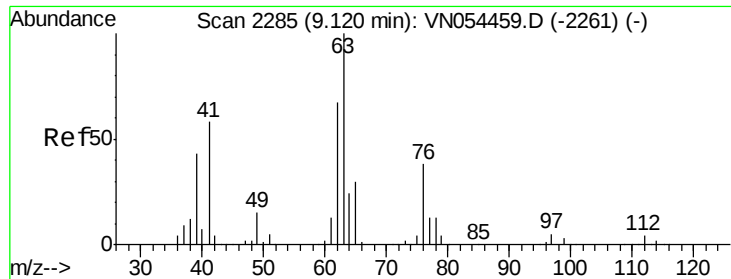
95 98.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)

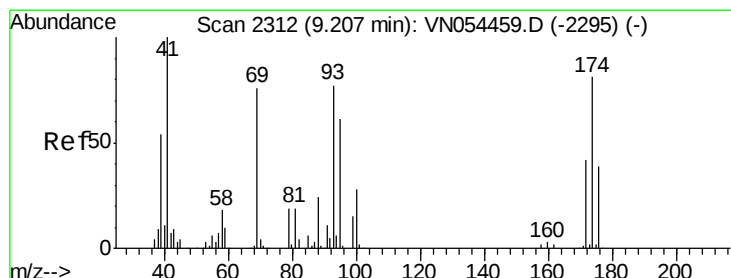
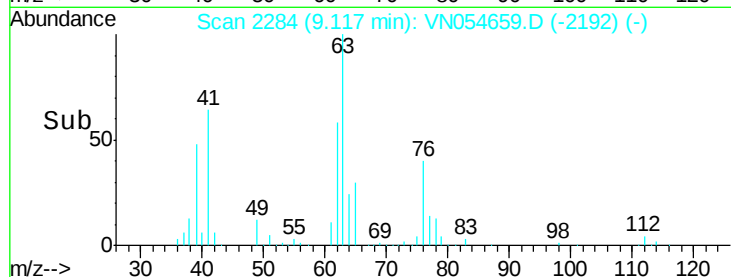
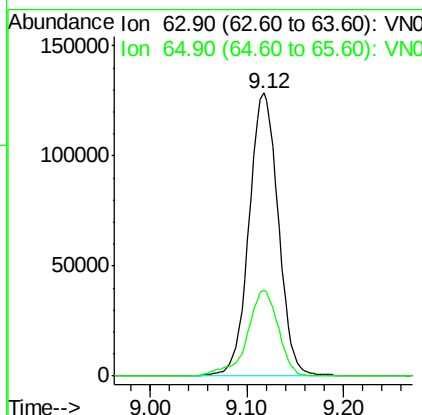
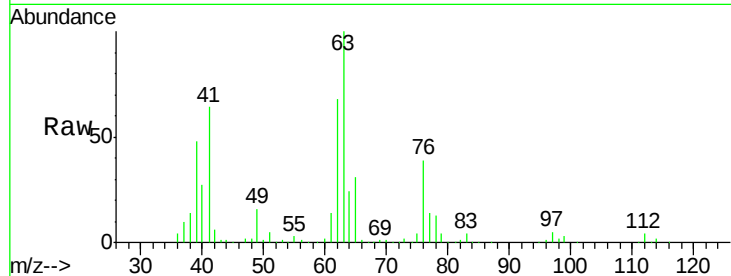




#45
 1,2-Dichloropropane
 Concen: 55.951 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

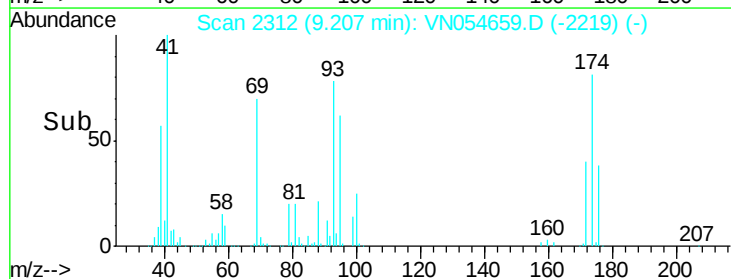
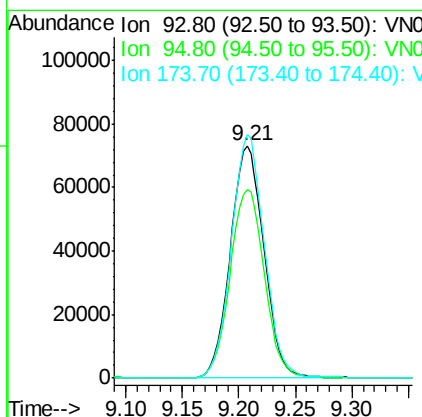
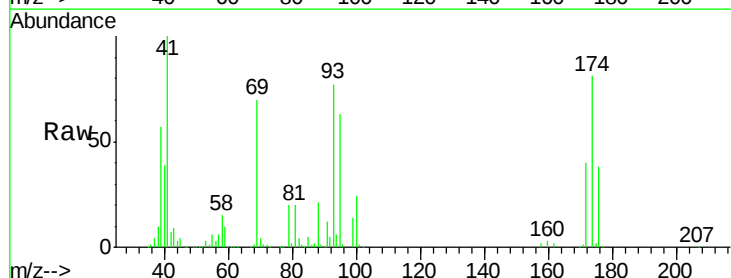
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

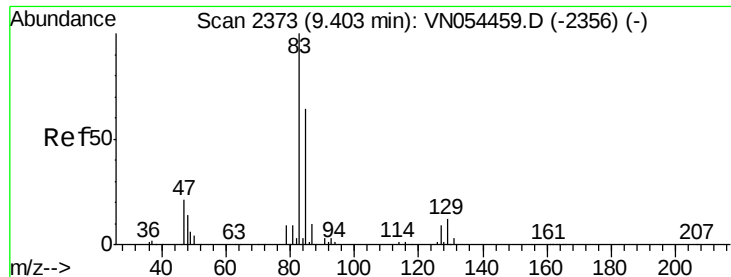
Tot Ion: 63 Resp: 270676
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6



#46
 Dibromomethane
 Concen: 52.439 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 93 Resp: 151342
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.7 100.1
 174 102.7 98.5 147.7





#47

Bromodichloromethane

Concen: 54.824 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

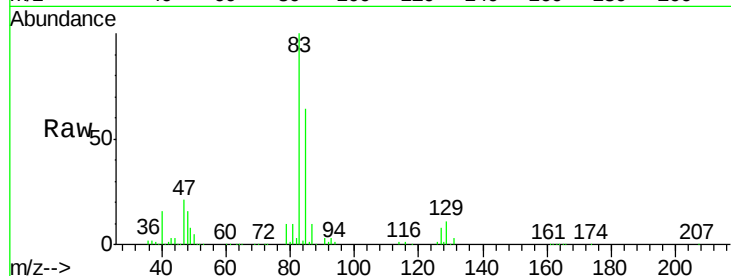
Tot Ion: 83 Resp: 328373

Ion Ratio Lower Upper

83 100

85 64.0 52.8 79.2

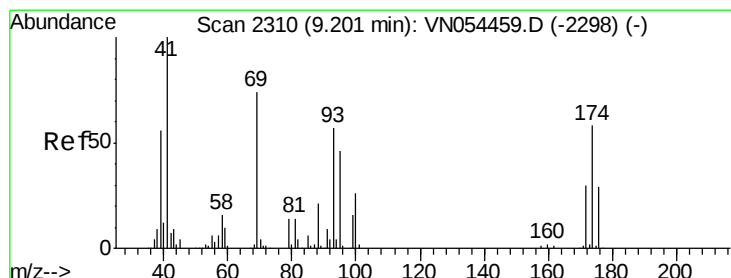
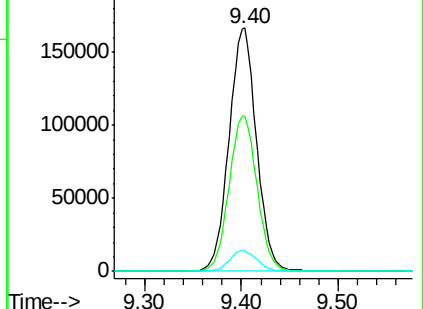
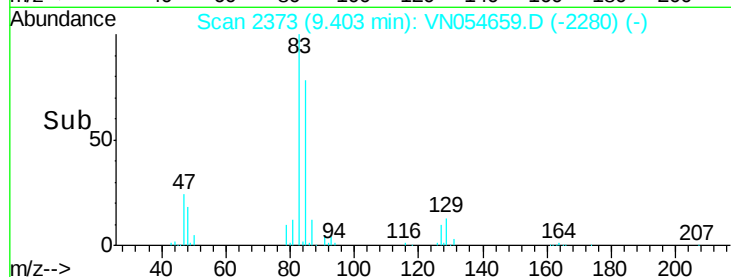
127 8.4 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN054459.D (-2356) (-)



#48

Methyl methacrylate

Concen: 50.915 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

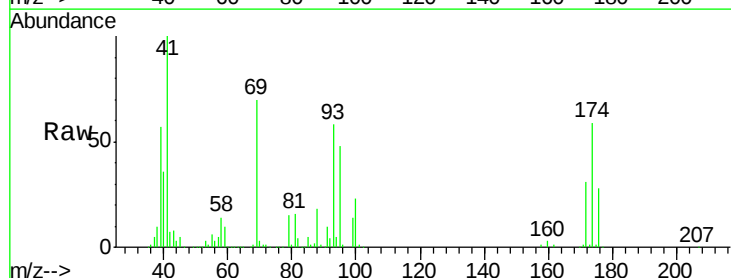
Tgt Ion: 41 Resp: 209133

Ion Ratio Lower Upper

41 100

69 73.8 72.6 108.8

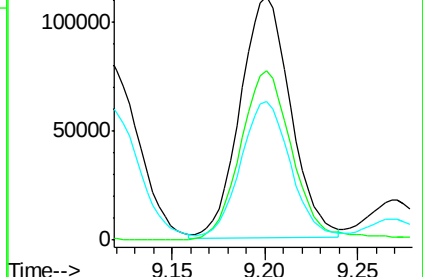
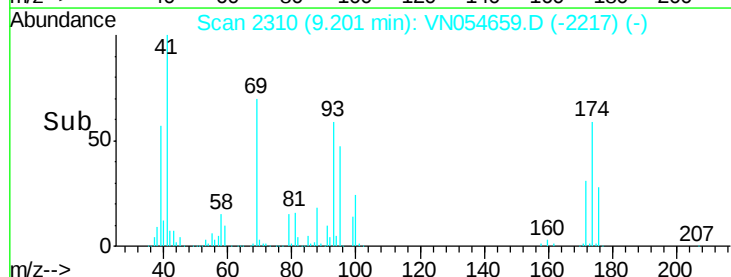
39 56.7 47.5 71.3

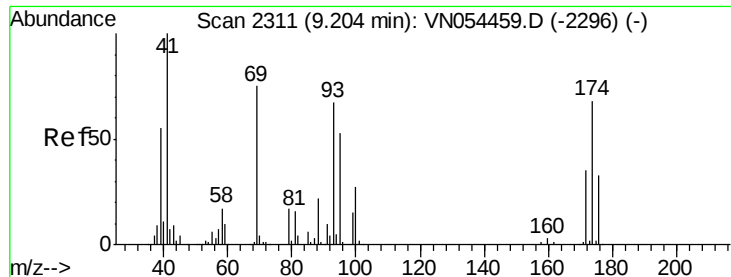


Abundance Ion 41.00 (40.70 to 41.70): VN054459.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN054459.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN054459.D (-2298) (-)





#49

1,4-Dioxane

Concen: 936.028 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

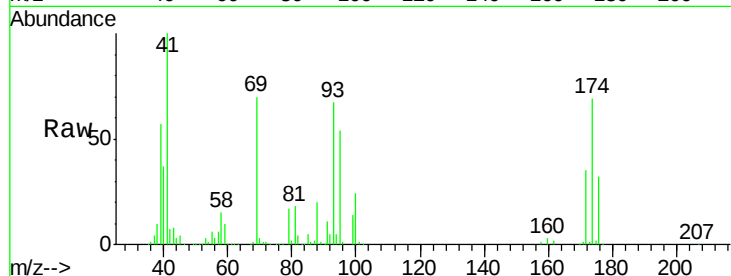
Tot Ion: 88 Resp: 42982

Ion Ratio Lower Upper

88 100

43 39.9 24.1 36.1#

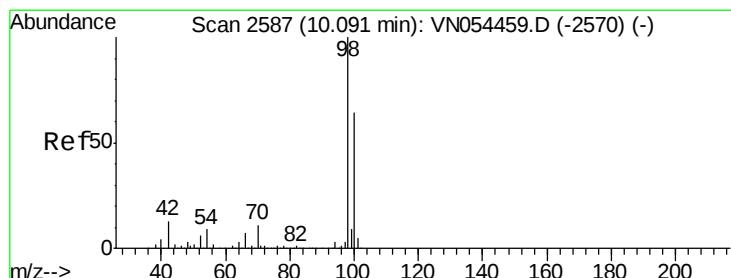
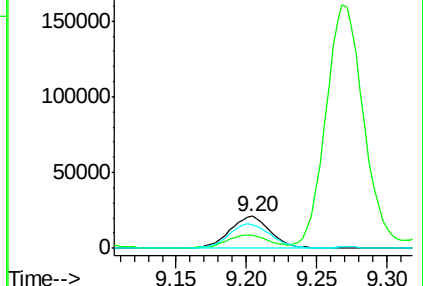
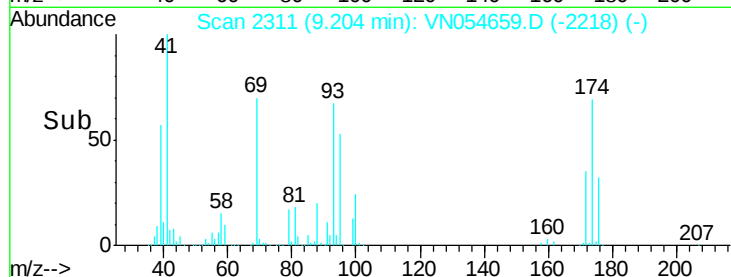
58 77.5 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.531 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054659.D

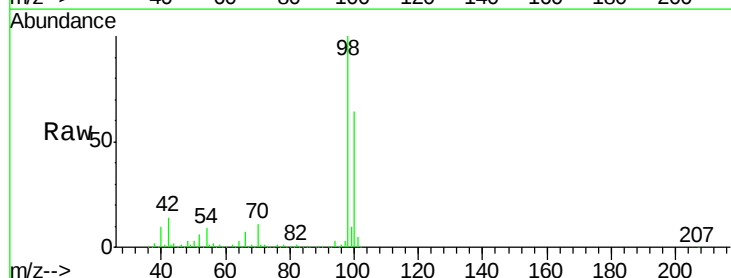
Acq: 25 Mar 2019 9:07

Tgt Ion: 98 Resp: 808336

Ion Ratio Lower Upper

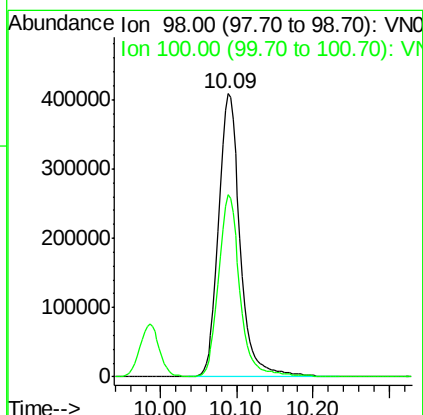
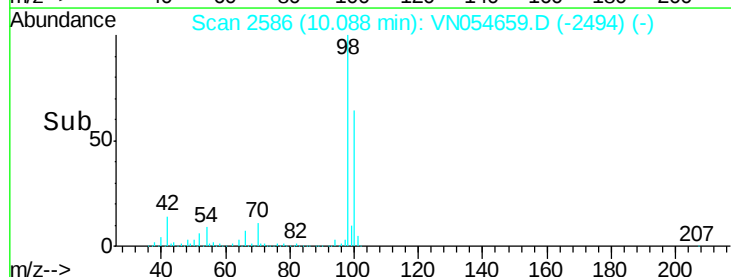
98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 269.883 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

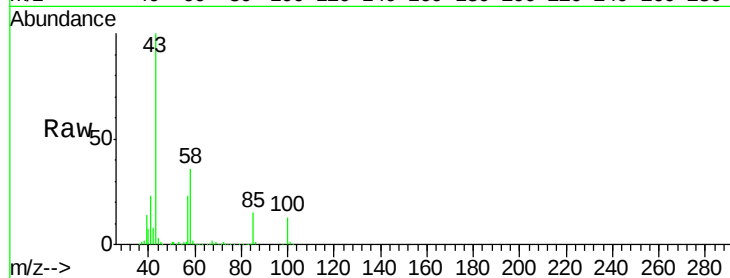
VSTDCCC050

Tot Ion: 43 Resp: 1131912

Ion Ratio Lower Upper

43 100

58 35.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

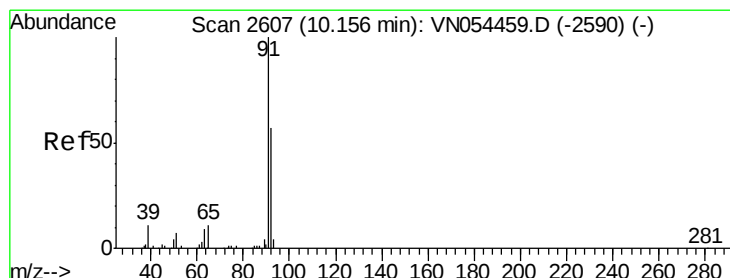
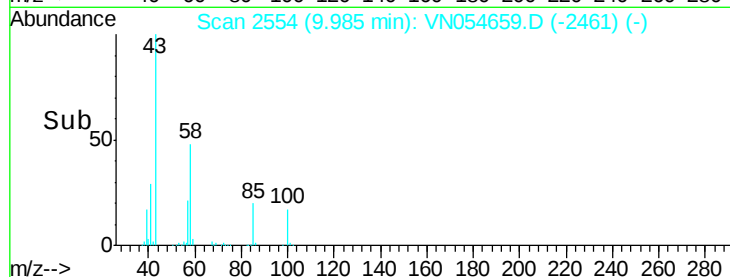
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.635 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN054659.D

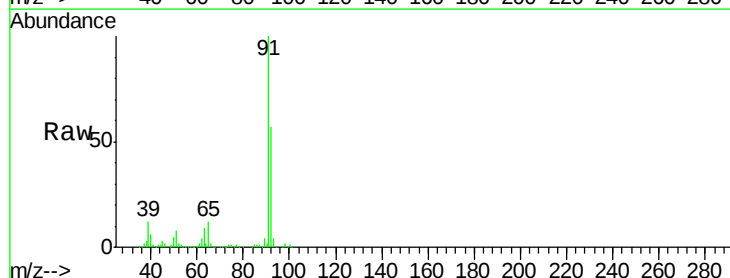
Acq: 25 Mar 2019 9:07

Tgt Ion: 92 Resp: 583231

Ion Ratio Lower Upper

92 100

91 173.9 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

10.15

600000

500000

400000

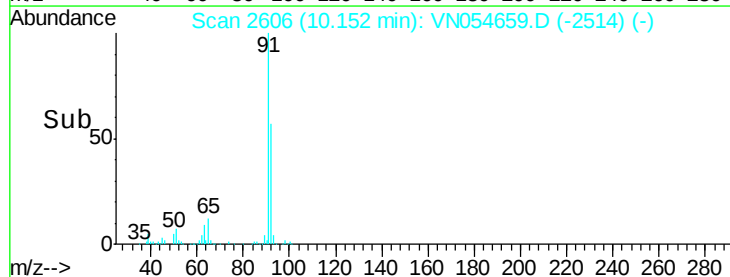
300000

200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.557 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

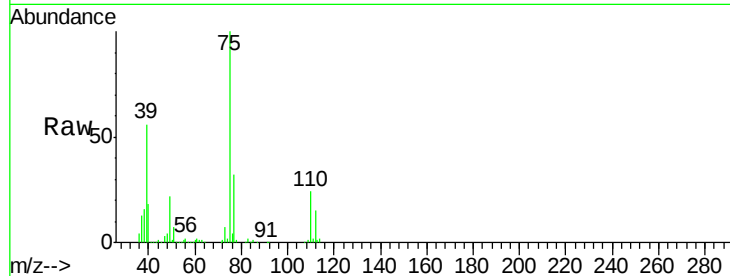
VSTDCCC050

Tot Ion: 75 Resp: 312990

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

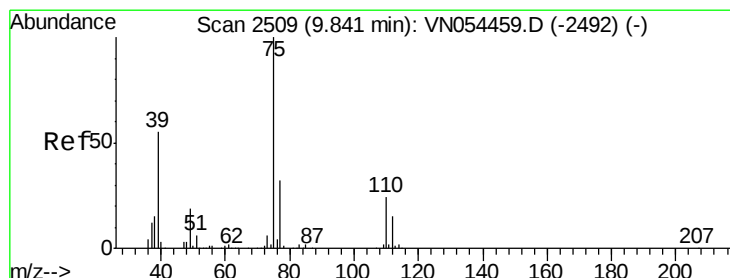
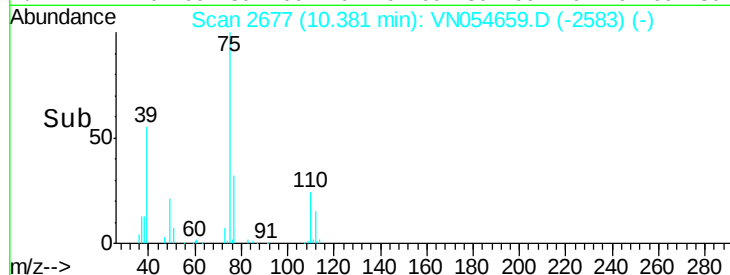
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.151 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

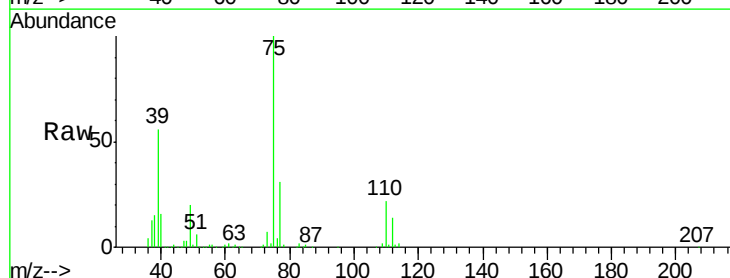
Tgt Ion: 75 Resp: 385624

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 56.1 37.2 55.8#



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

250000

200000

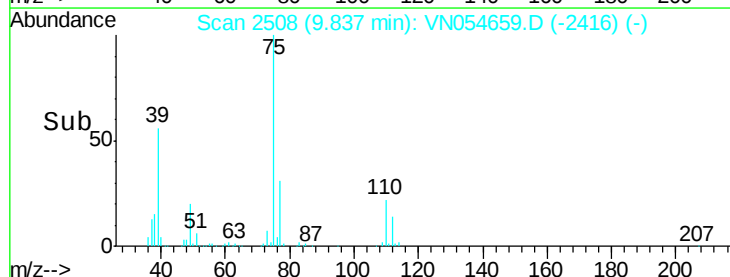
150000

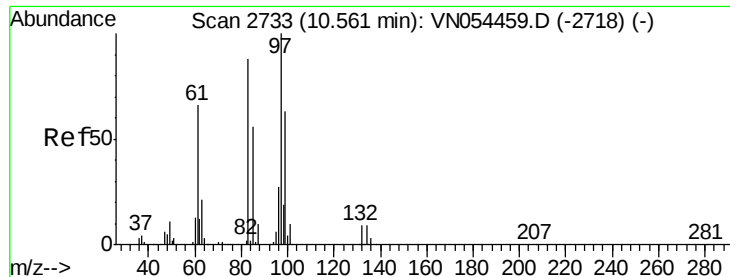
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.608 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 209545

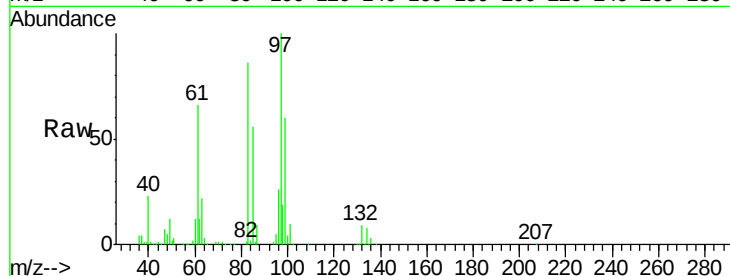
Ion Ratio Lower Upper

97 100

83 86.1 66.6 100.0

85 56.2 44.4 66.6

99 60.0 50.8 76.2

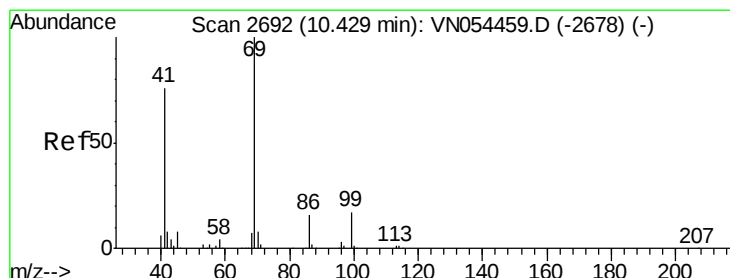
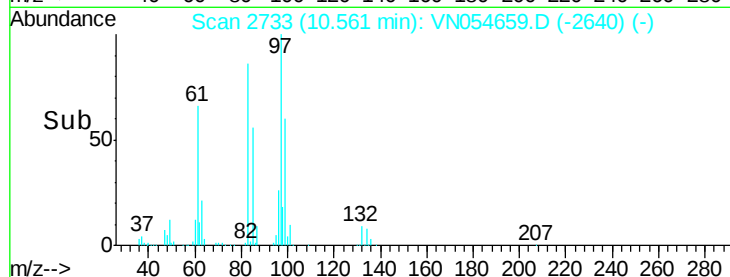
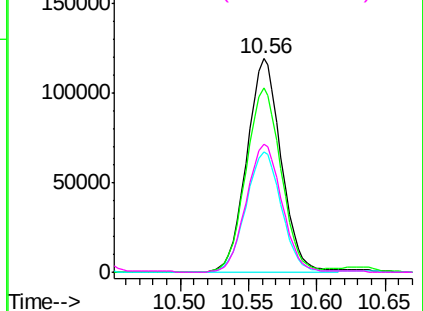


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 52.124 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

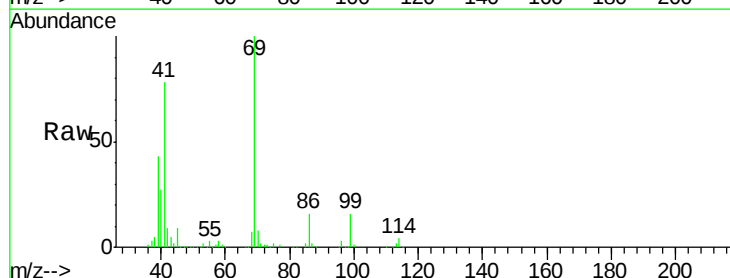
Tgt Ion: 69 Resp: 278664

Ion Ratio Lower Upper

69 100

41 78.2 49.4 74.2#

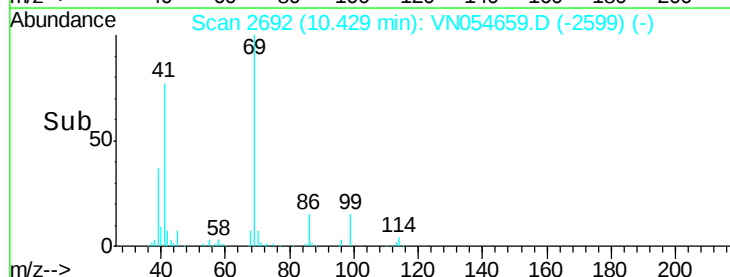
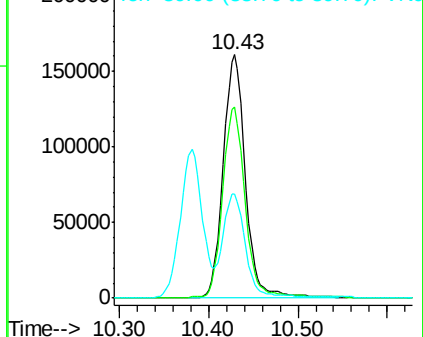
39 42.1 28.3 42.5

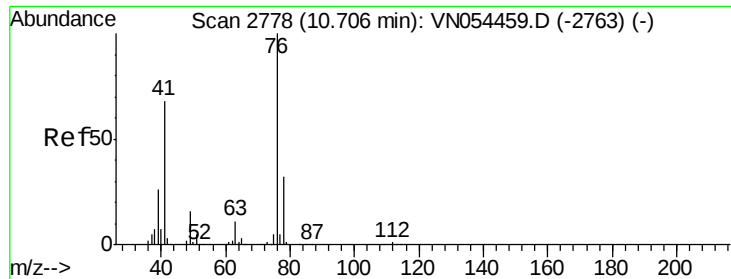


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

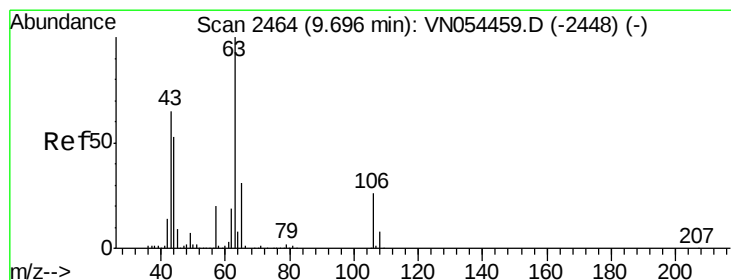
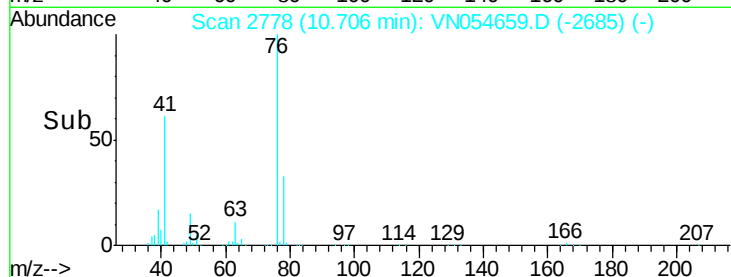
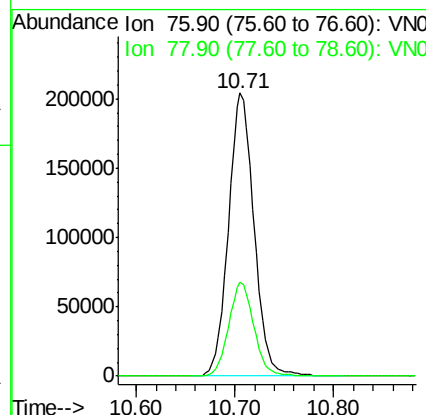
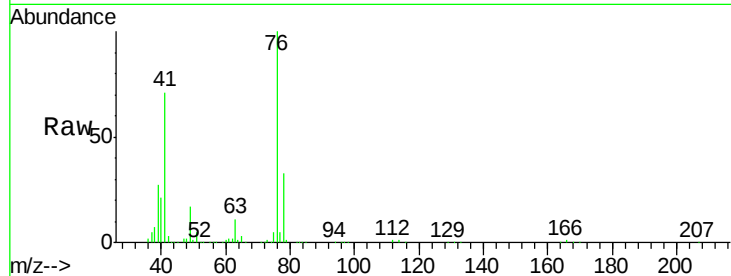




#57
 1,3-Dichloropropane
 Concen: 53.526 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

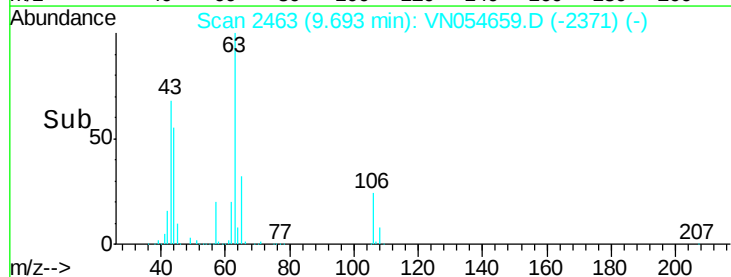
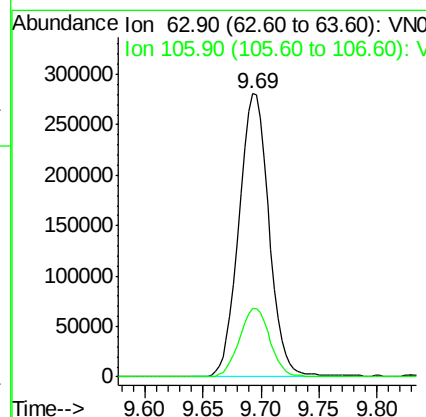
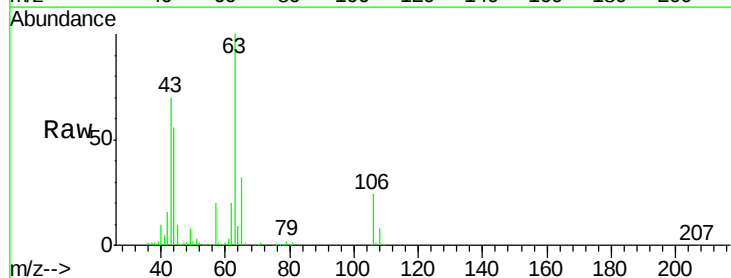
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

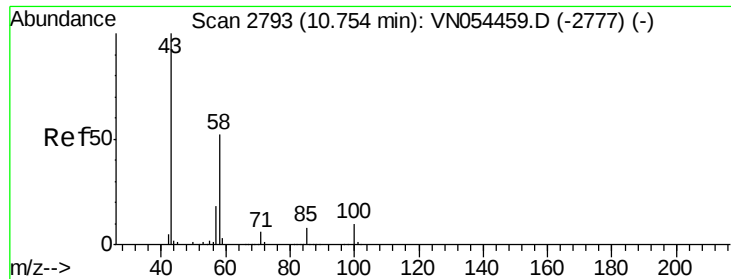
Tot Ion: 76 Resp: 370609
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 229.810 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion: 63 Resp: 505909
 Ion Ratio Lower Upper
 63 100
 106 24.7 24.4 36.6

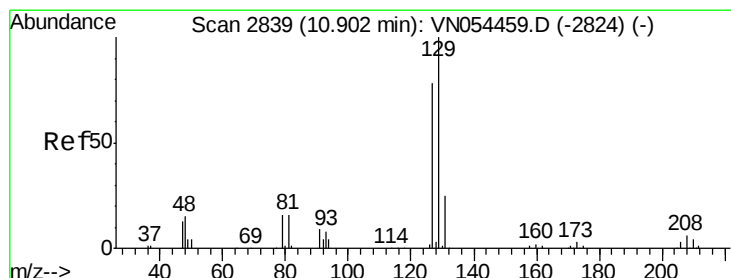
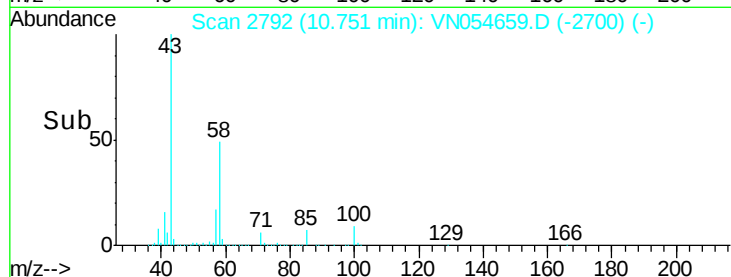
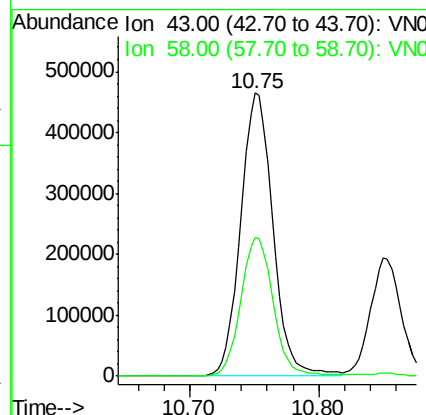
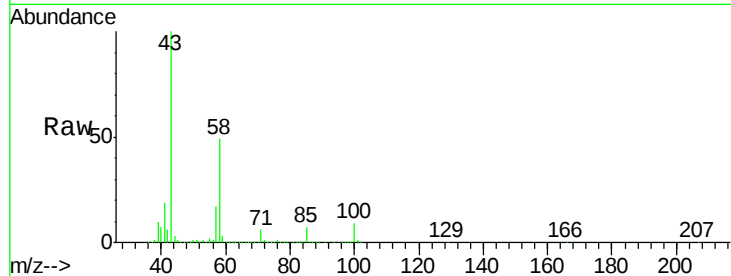




#59
2-Hexanone
Concen: 294.605 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

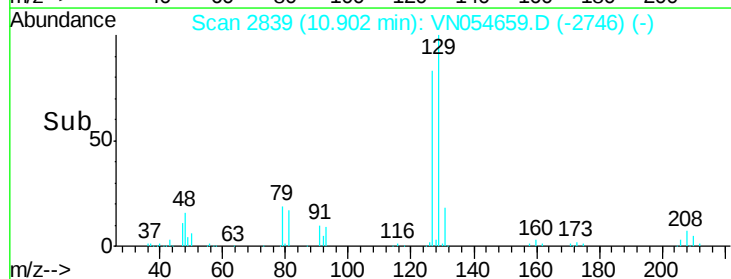
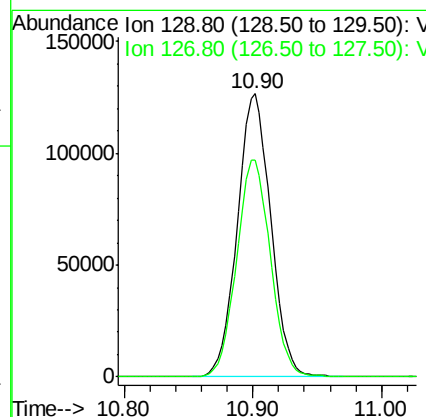
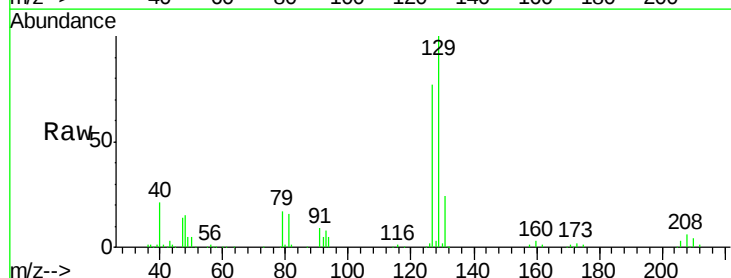
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

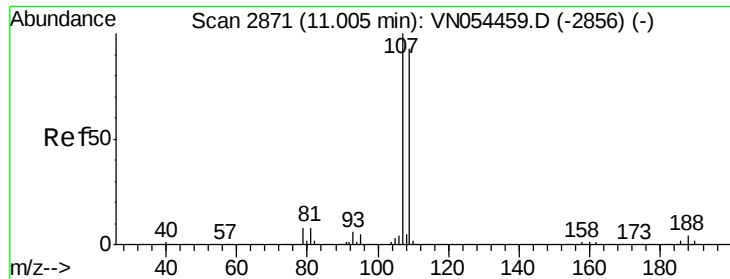
Tot Ion: 43 Resp: 807081
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 53.958 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 129 Resp: 228697
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.942 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

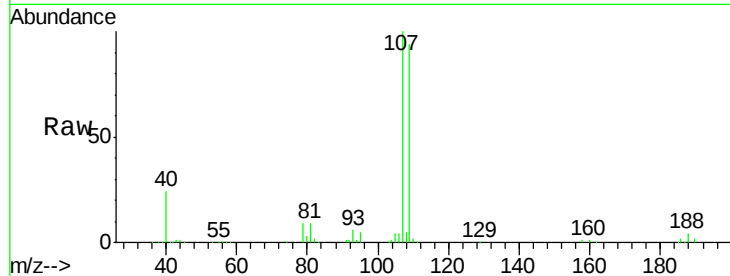
VSTDCCC050

Tot Ion:107 Resp: 204537

Ion Ratio Lower Upper

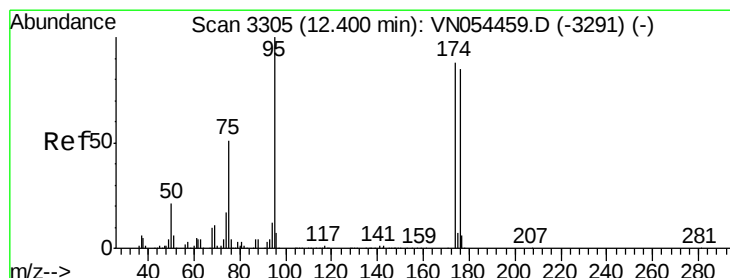
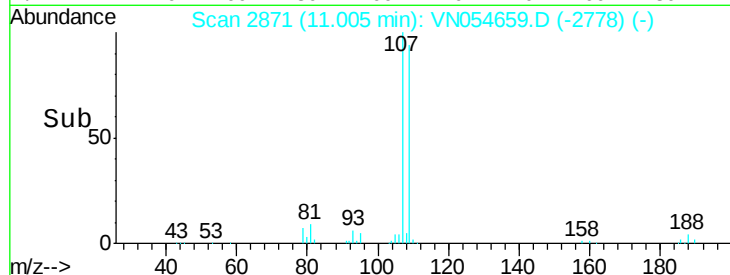
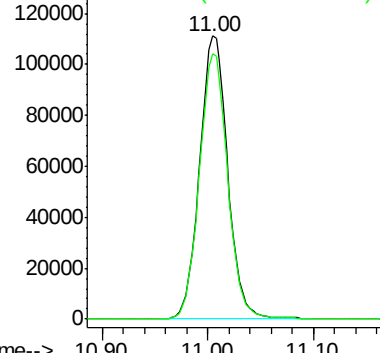
107 100

109 94.7 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

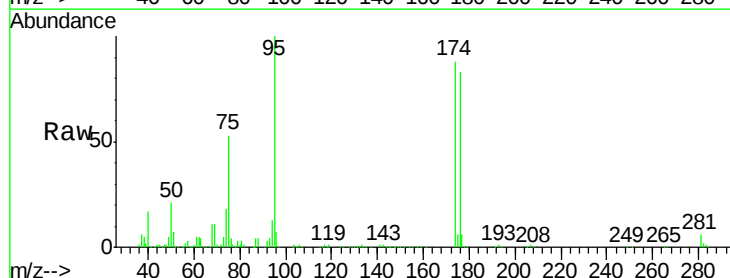
Tgt Ion: 95 Resp: 279349

Ion Ratio Lower Upper

95 100

174 86.3 0.0 191.0

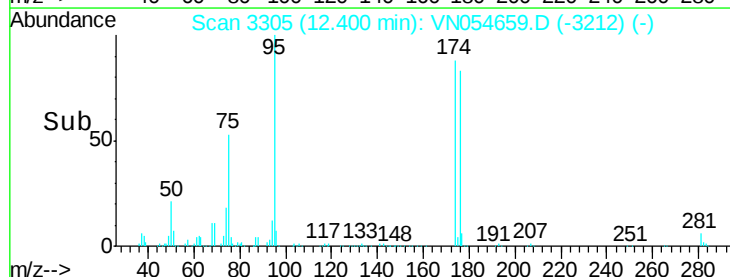
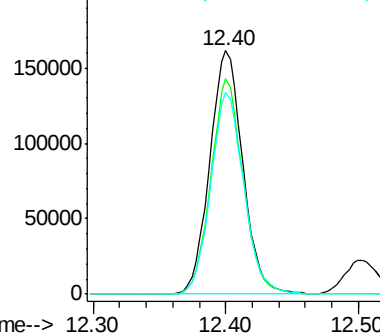
176 82.9 0.0 187.4

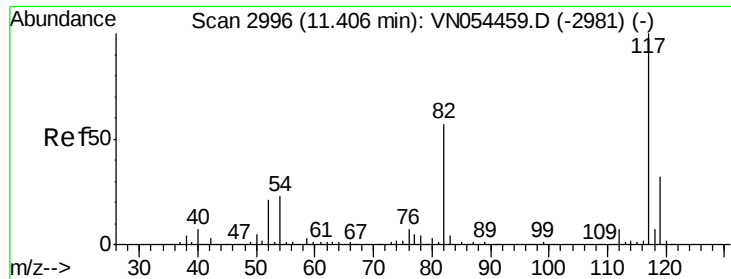


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

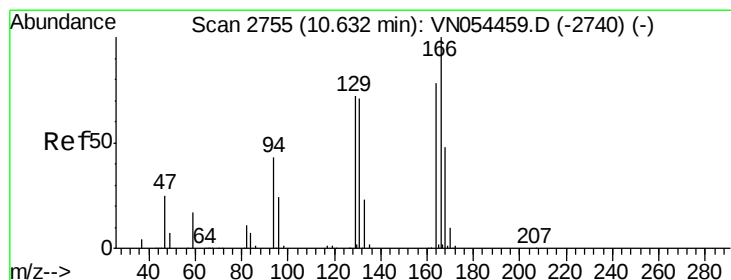
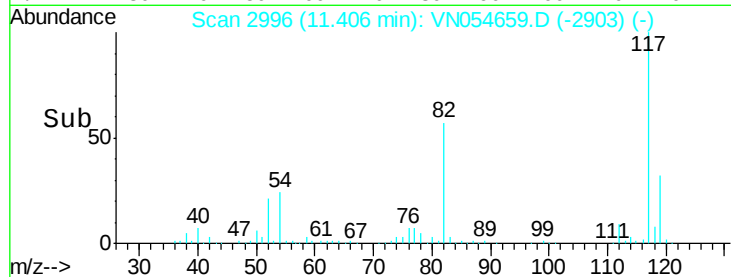
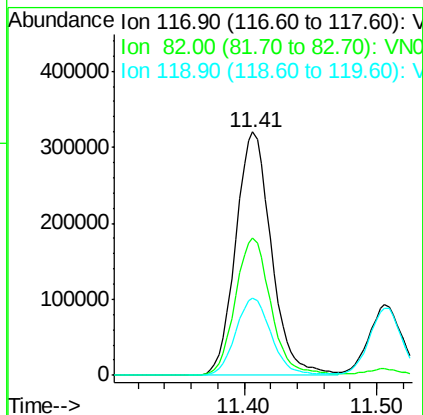
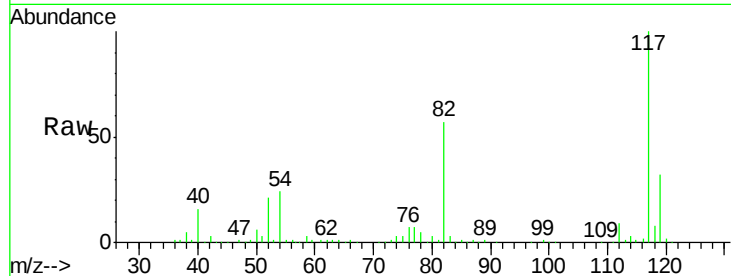




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

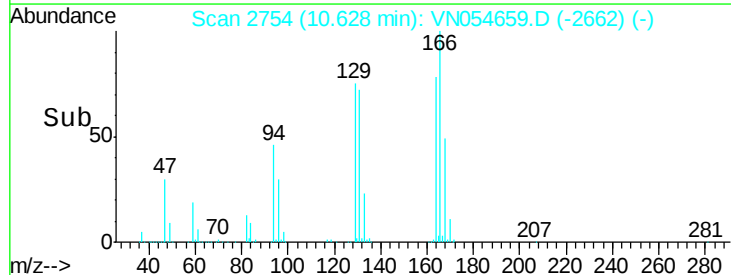
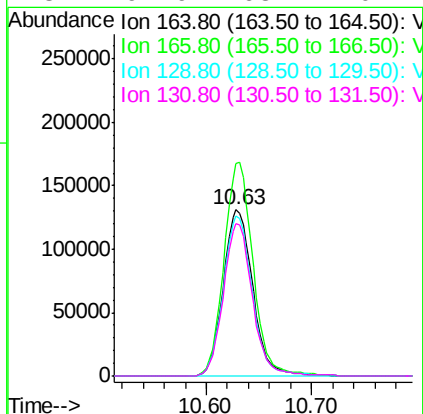
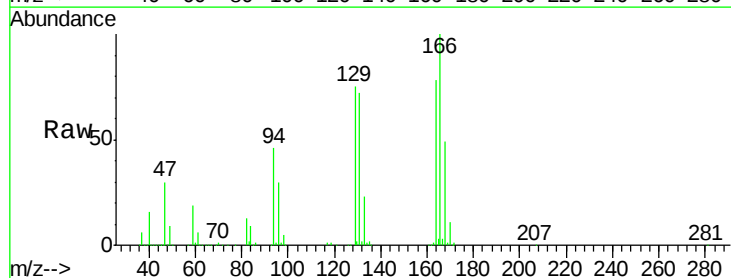
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

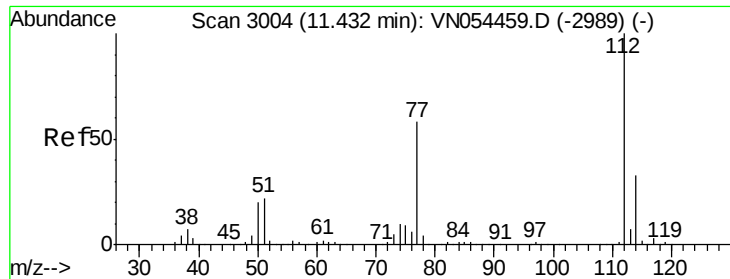
Tot Ion:117 Resp: 599838
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 31.7 25.8 38.6



#64
Tetrachloroethene
Concen: 51.003 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:164 Resp: 253763
Ion Ratio Lower Upper
164 100
166 128.0 103.9 155.9
129 96.6 71.1 106.7
131 91.9 68.2 102.4

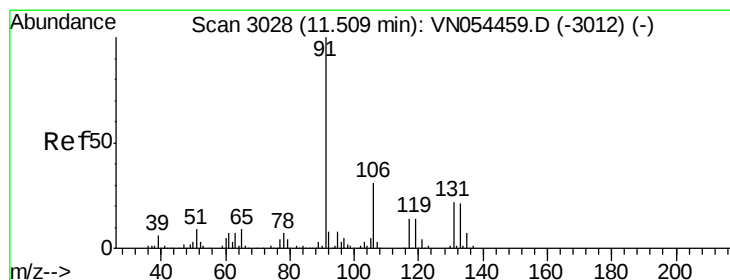
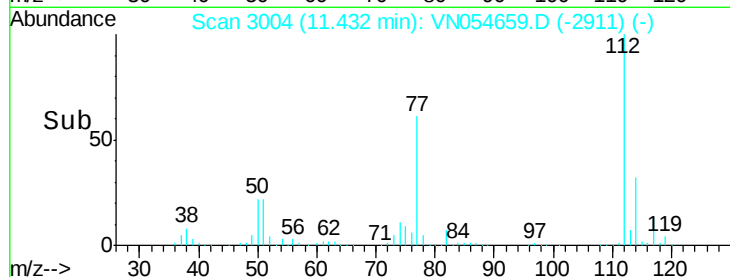
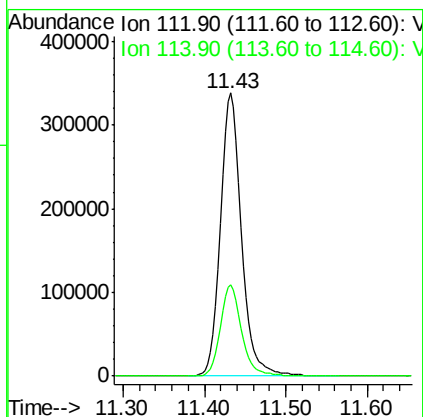
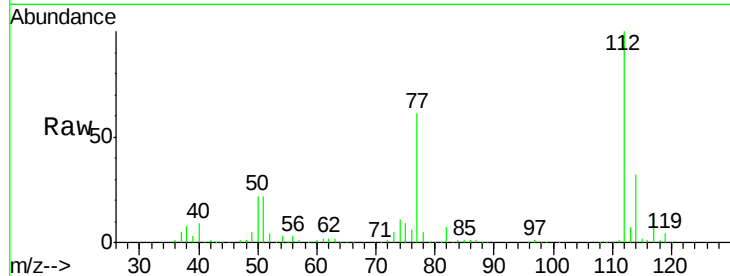




#65
Chlorobenzene
Concen: 50.748 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

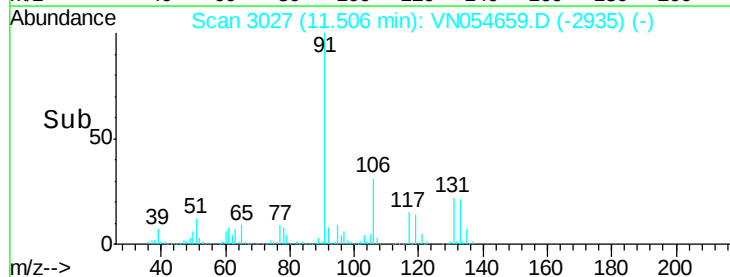
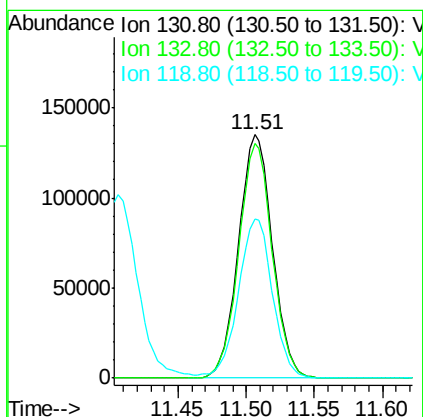
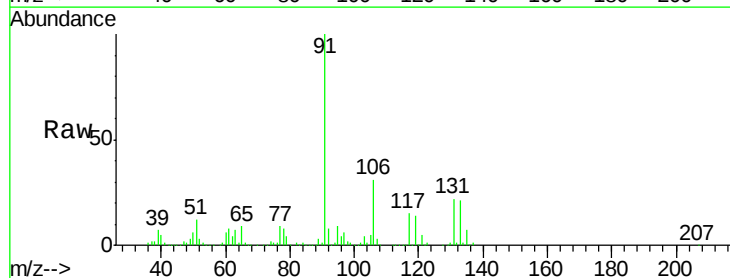
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

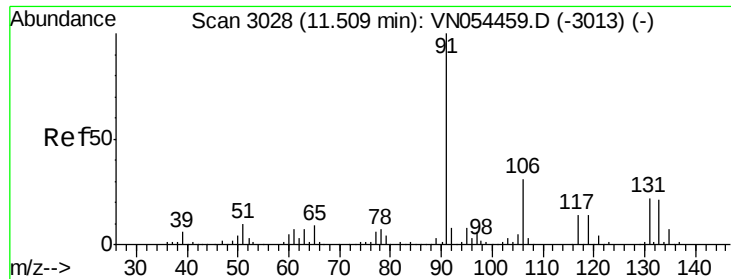
Tot Ion:112 Resp: 619120
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 53.172 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:131 Resp: 232837
Ion Ratio Lower Upper
131 100
133 95.3 47.6 142.9
119 65.5 32.4 97.0

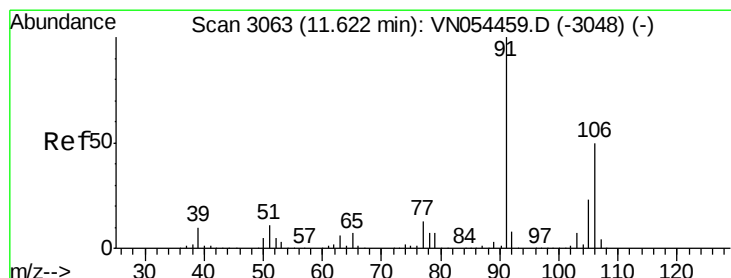
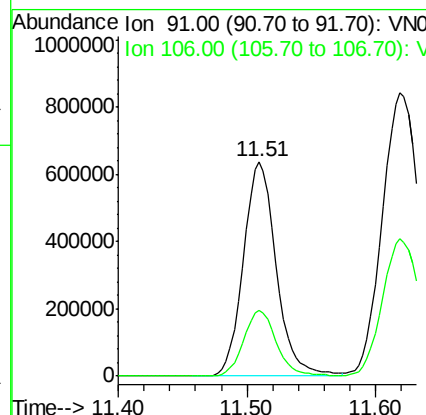
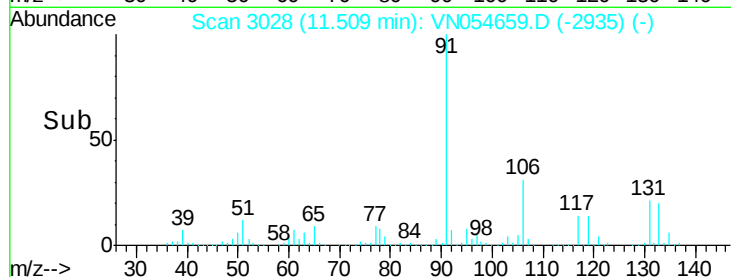
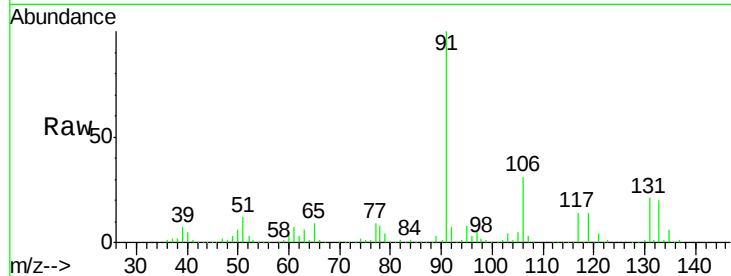




#67
Ethyl Benzene
Concen: 52.474 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

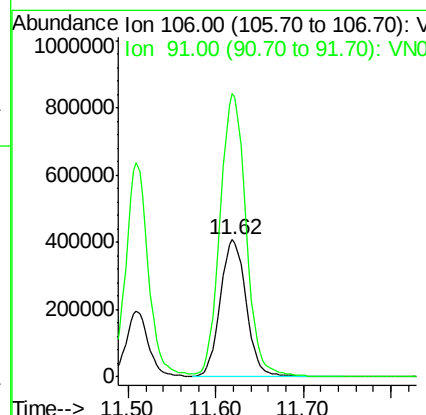
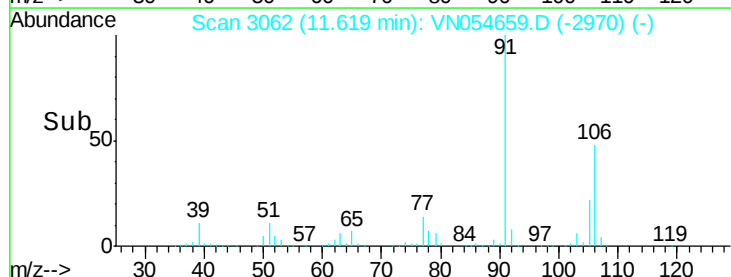
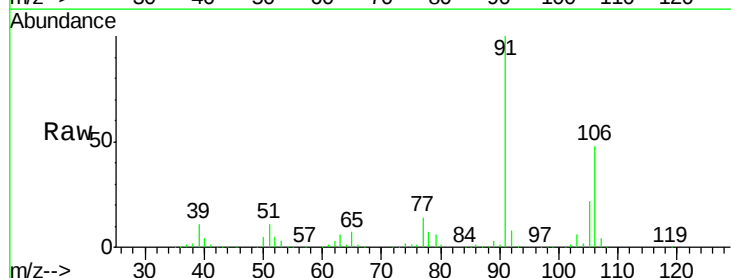
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

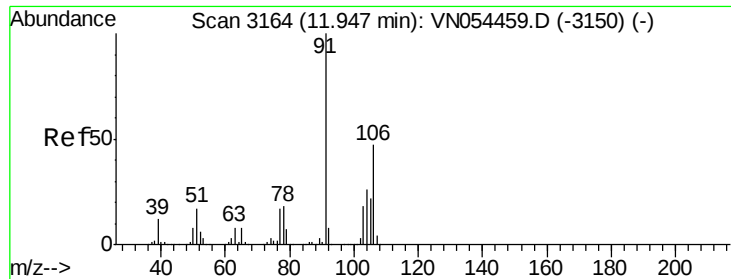
Tot Ion: 91 Resp: 1130842
Ion Ratio Lower Upper
91 100
106 30.9 25.5 38.3



#68
m/p-Xylenes
Concen: 103.505 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 106 Resp: 844889
Ion Ratio Lower Upper
106 100
91 206.4 159.4 239.2

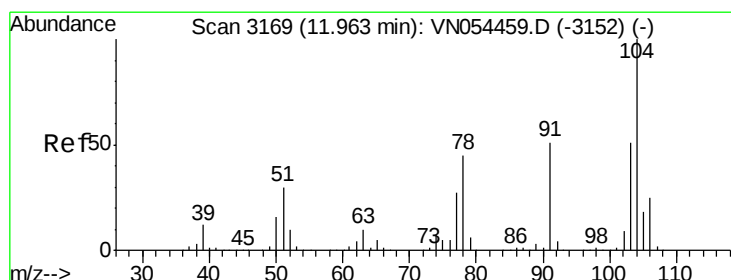
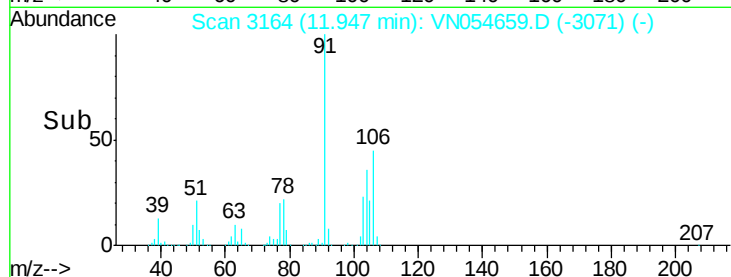
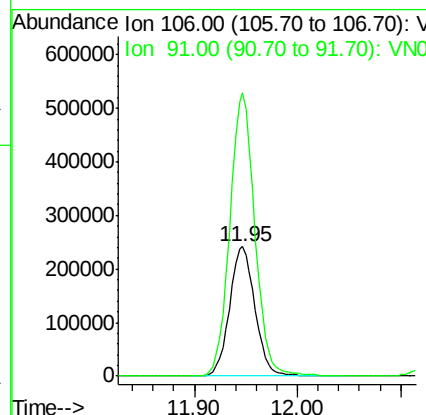
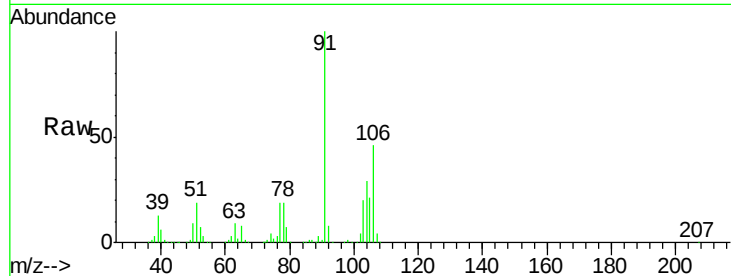




#69
o-Xylene
Concen: 52.011 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

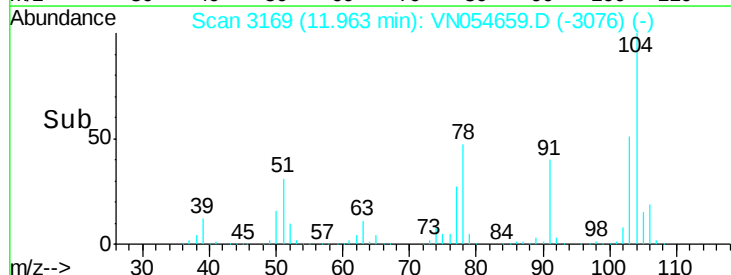
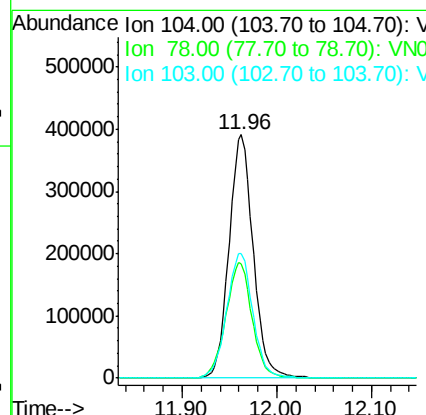
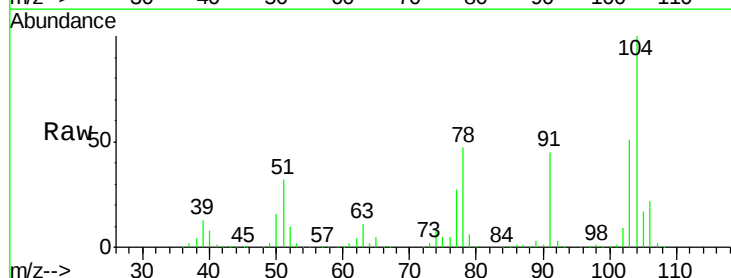
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

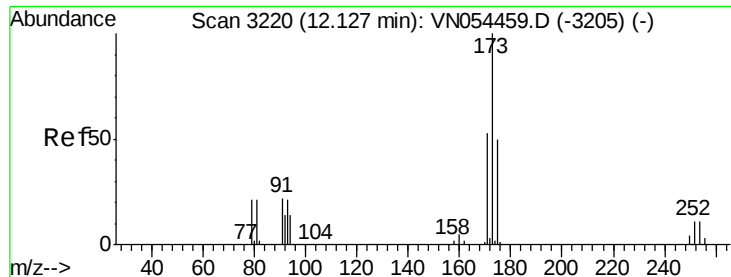
Tot Ion:106 Resp: 414620
Ion Ratio Lower Upper
106 100
91 215.3 105.7 317.1



#70
Styrene
Concen: 53.699 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:104 Resp: 695170
Ion Ratio Lower Upper
104 100
78 51.5 38.2 57.2
103 55.5 44.4 66.6

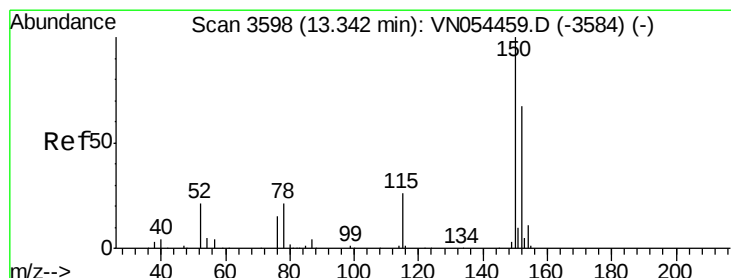
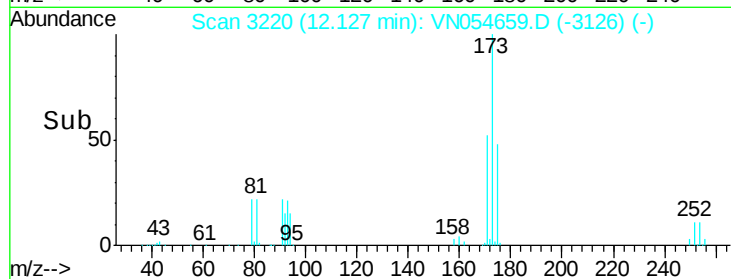
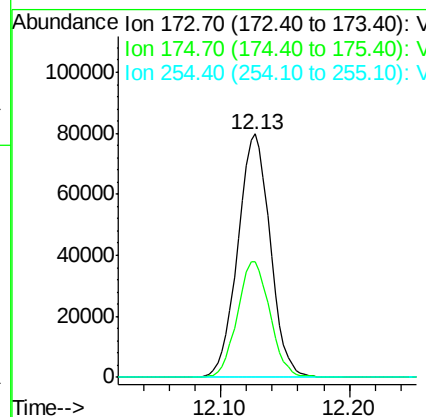
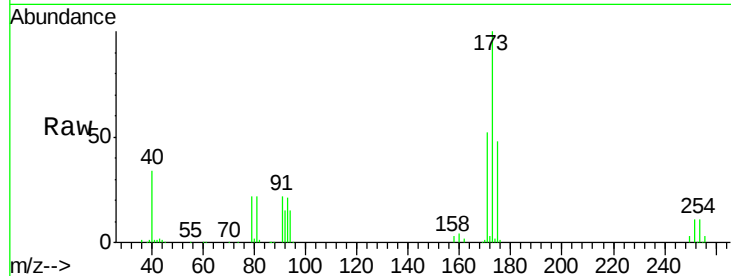




#71
Bromoform
Concen: 46.263 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

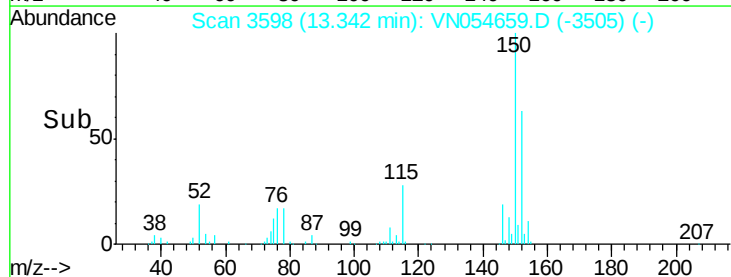
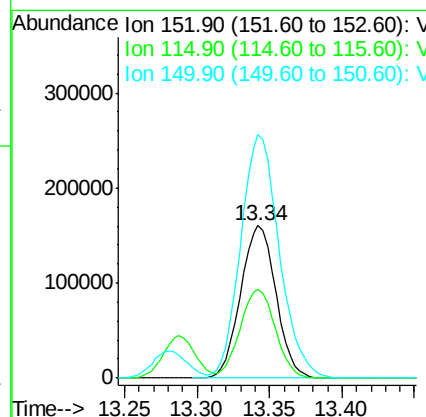
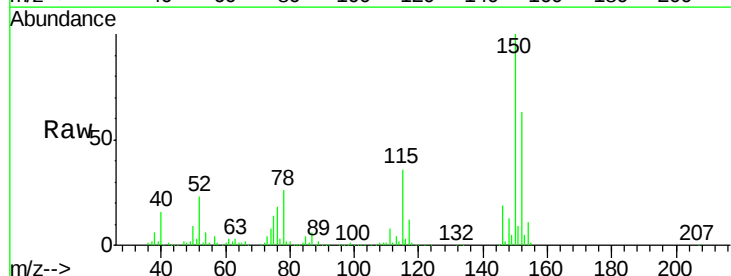
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

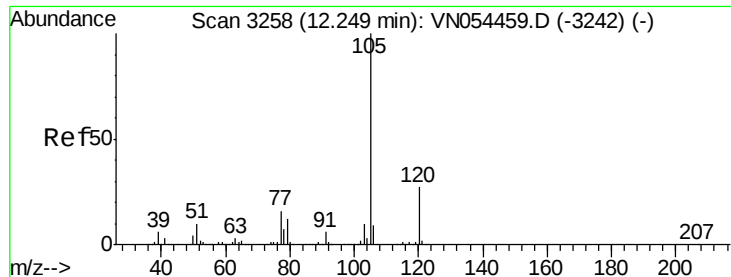
Tot Ion:173 Resp: 139143
Ion Ratio Lower Upper
173 100
175 47.9 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion:152 Resp: 271943
Ion Ratio Lower Upper
152 100
115 57.9 27.2 81.6
150 174.6 0.0 349.2





#73

Isopropylbenzene

Concen: 49.362 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

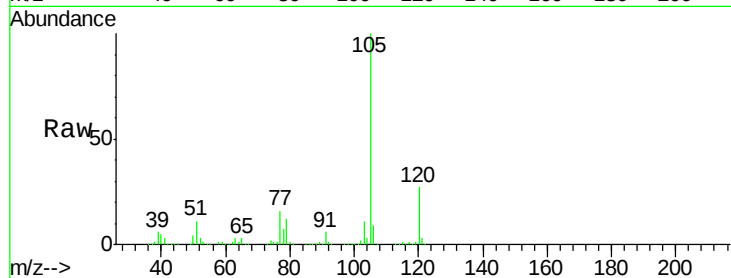
VSTDCCC050

Tot Ion:105 Resp: 1081704

Ion Ratio Lower Upper

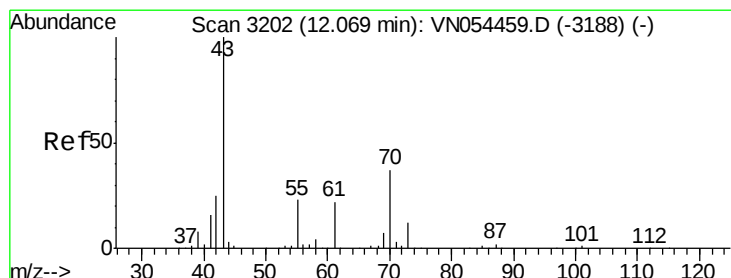
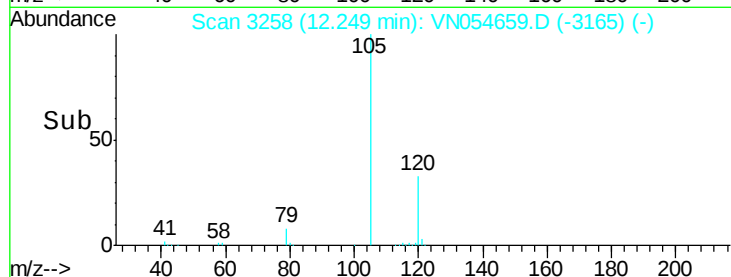
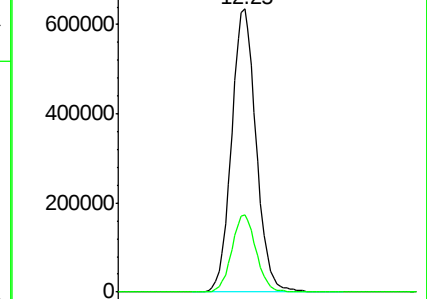
105 100

120 27.1 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.600 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Tgt Ion: 43 Resp: 337730

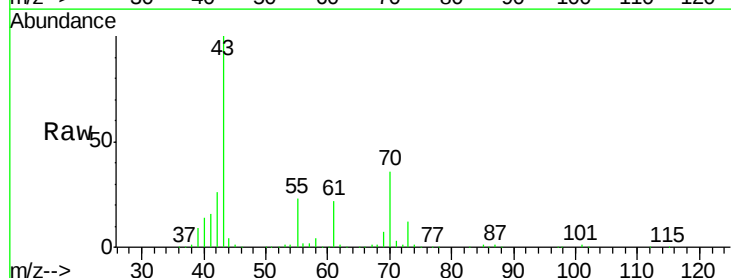
Ion Ratio Lower Upper

43 100

70 35.7 35.4 53.0

55 22.9 19.8 29.6

61 21.2 19.8 29.6

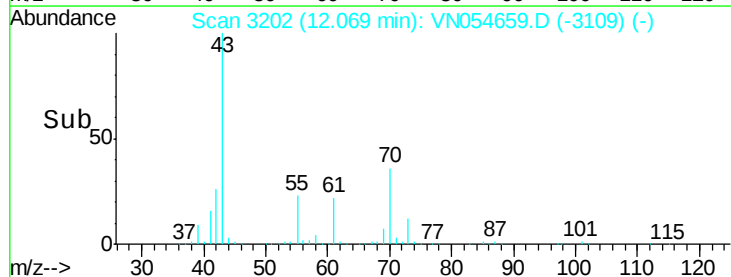
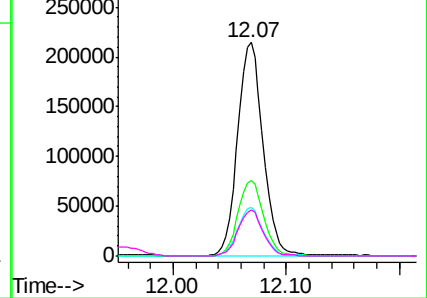


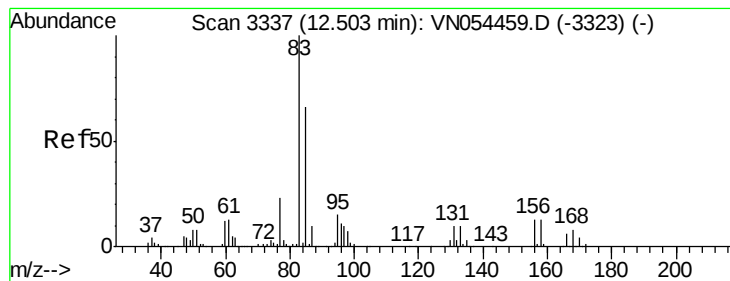
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.369 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

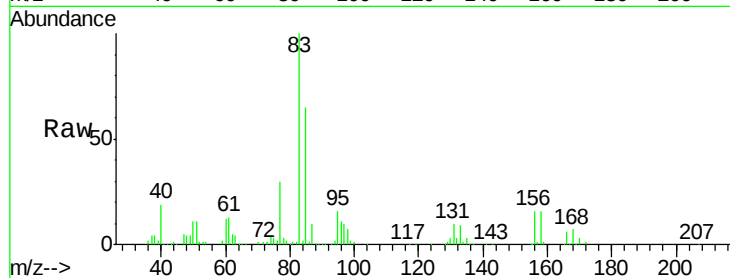
Tot Ion: 83 Resp: 246964

Ion Ratio Lower Upper

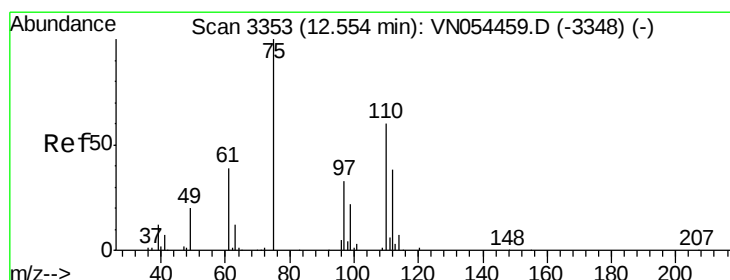
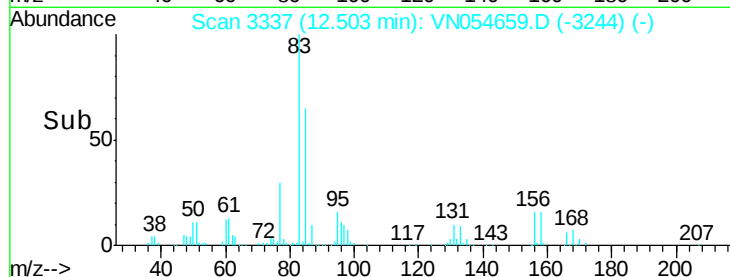
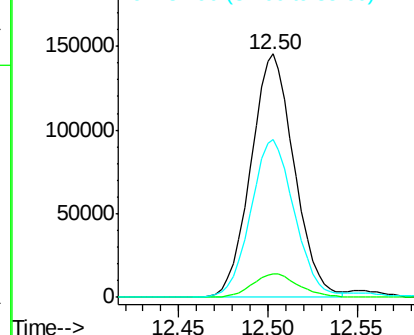
83 100

131 10.3 5.8 17.4

85 65.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 70.740 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054659.D

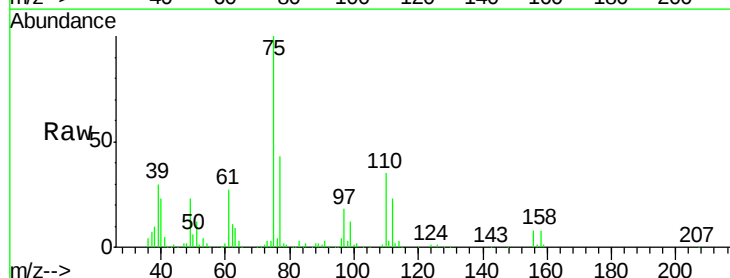
Acq: 25 Mar 2019 9:07

Tgt Ion: 75 Resp: 305266

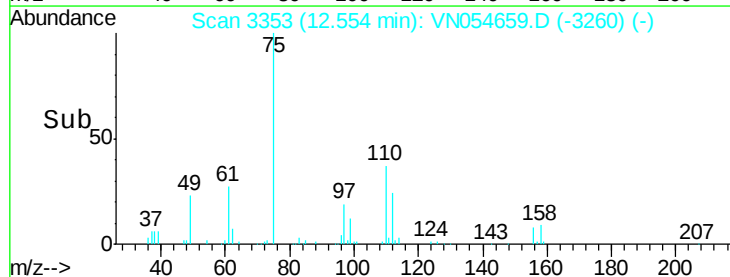
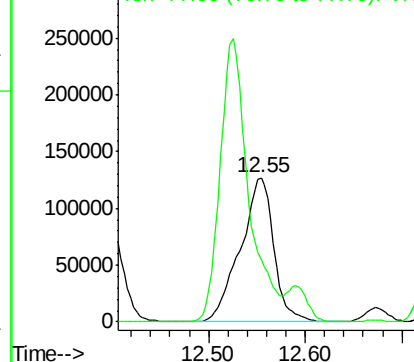
Ion Ratio Lower Upper

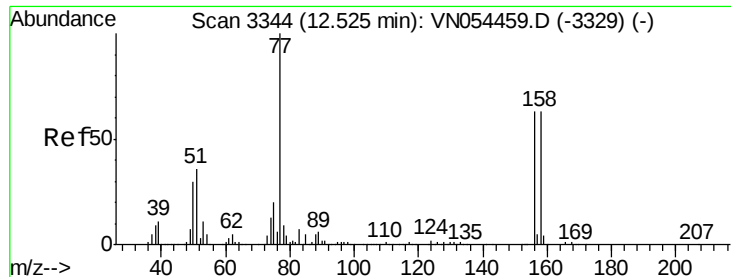
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 49.307 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

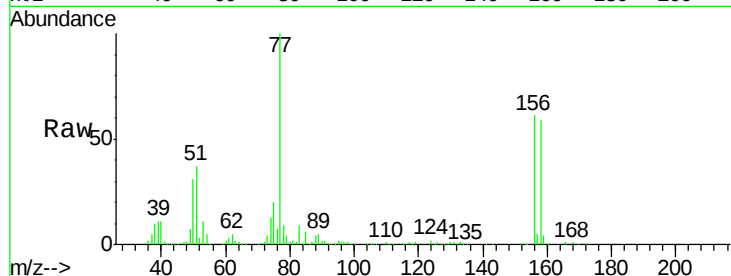
Tot Ion:156 Resp: 267980

Ion Ratio Lower Upper

156 100

77 192.2 81.5 244.4

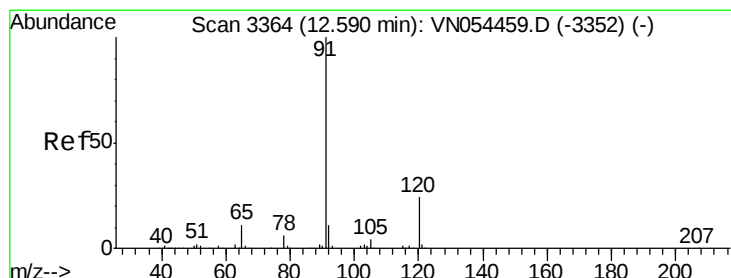
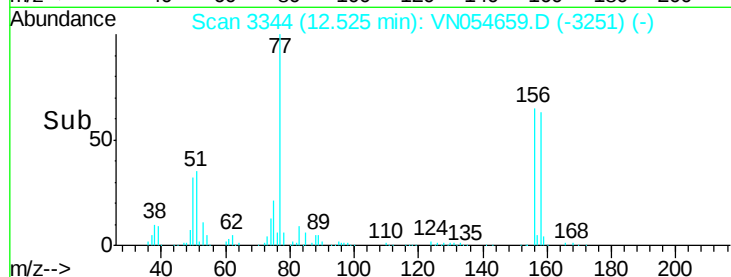
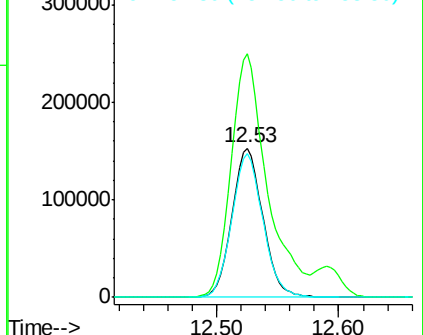
158 97.1 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.235 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054659.D

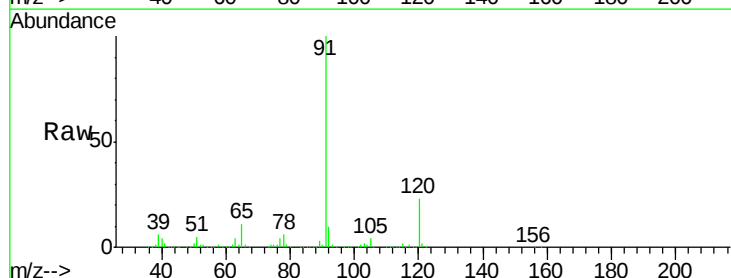
Acq: 25 Mar 2019 9:07

Tgt Ion: 91 Resp: 1241235

Ion Ratio Lower Upper

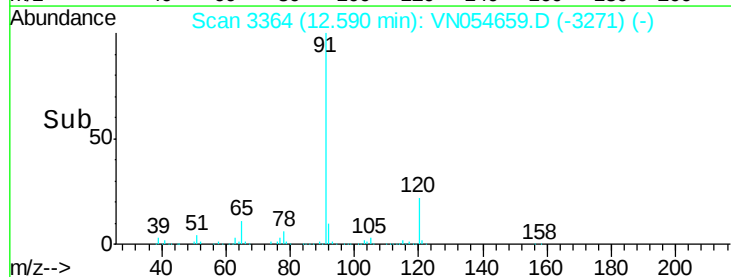
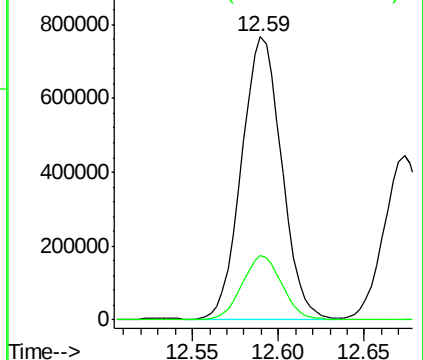
91 100

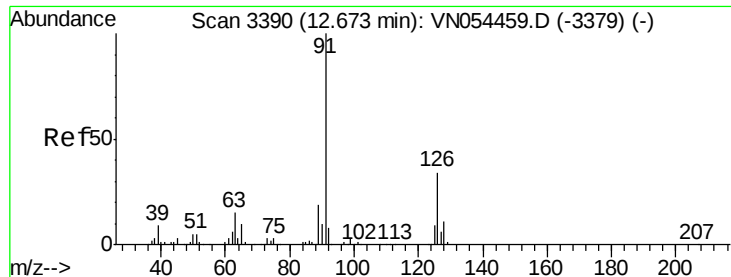
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.218 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

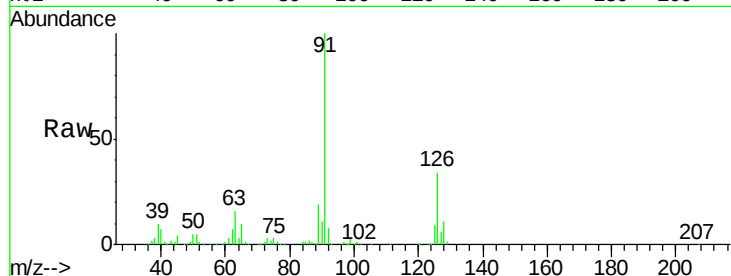
VSTDCCC050

Tot Ion: 91 Resp: 744131

Ion Ratio Lower Upper

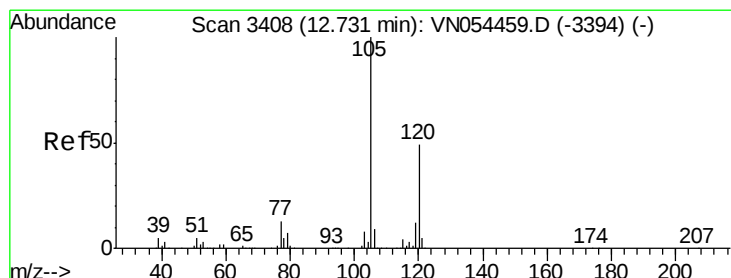
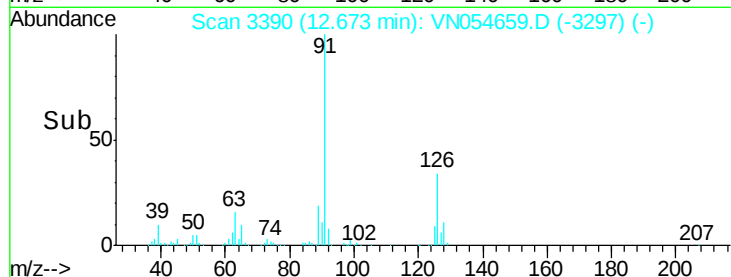
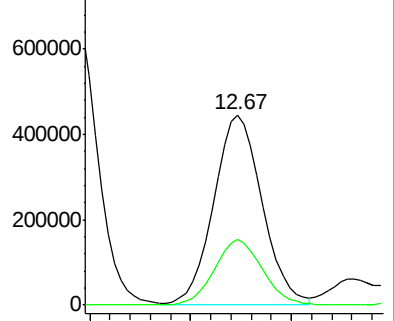
91 100

126 34.5 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.799 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054659.D

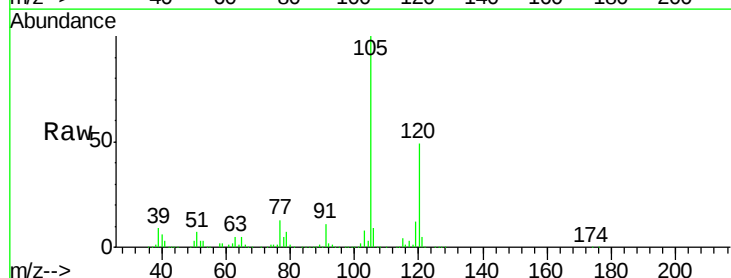
Acq: 25 Mar 2019 9:07

Tgt Ion: 105 Resp: 912359

Ion Ratio Lower Upper

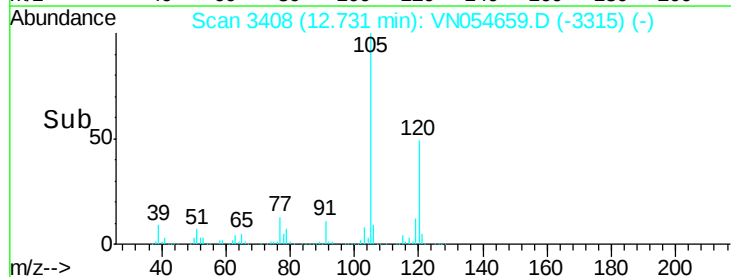
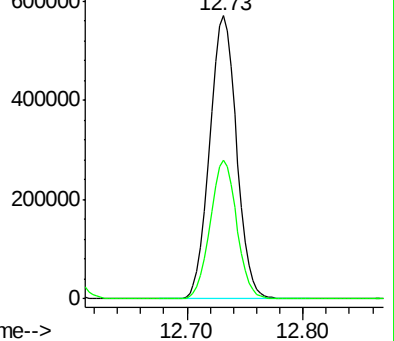
105 100

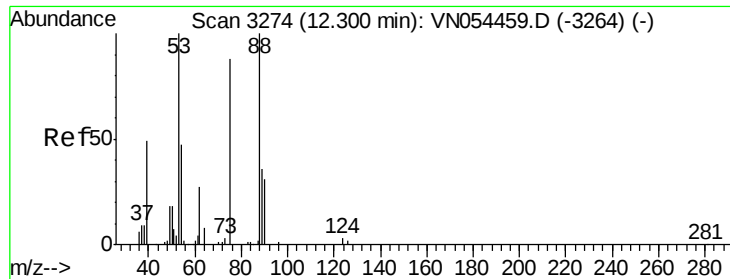
120 48.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.110 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

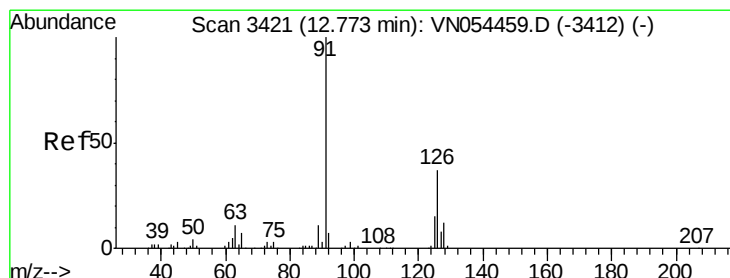
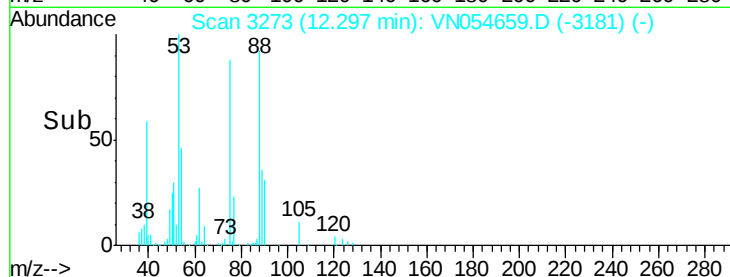
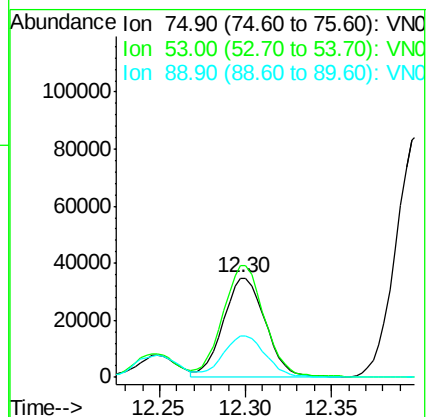
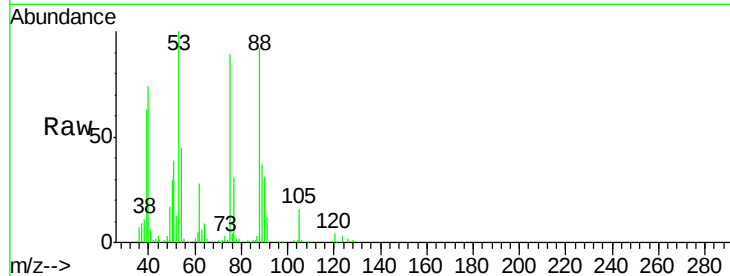
Tot Ion: 75 Resp: 60062

Ion Ratio Lower Upper

75 100

53 111.9 76.2 114.2

89 42.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 52.268 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN054659.D

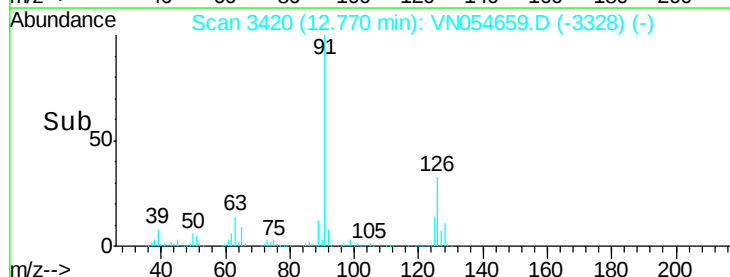
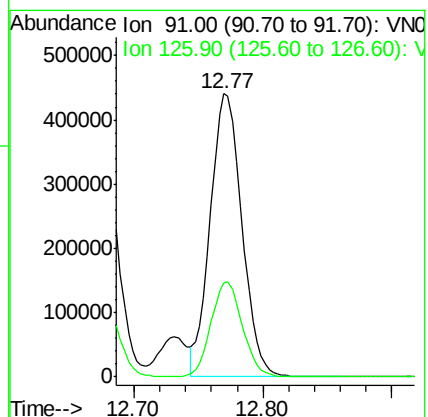
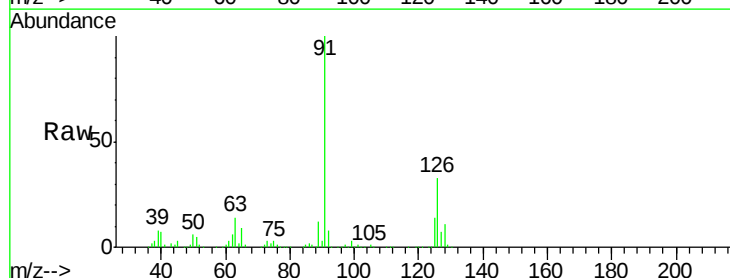
Acq: 25 Mar 2019 9:07

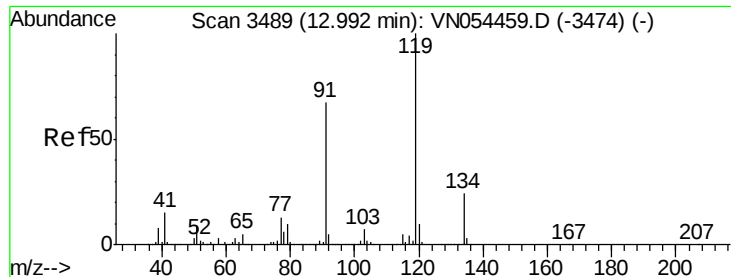
Tgt Ion: 91 Resp: 750742

Ion Ratio Lower Upper

91 100

126 33.5 18.1 54.1

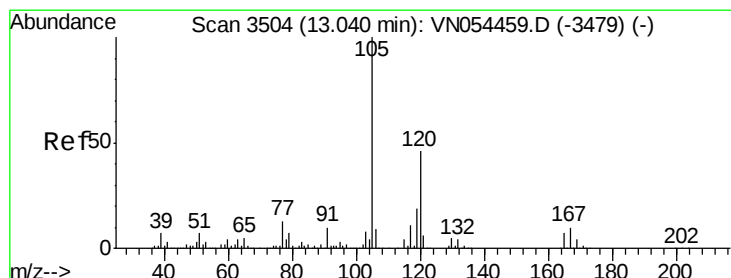
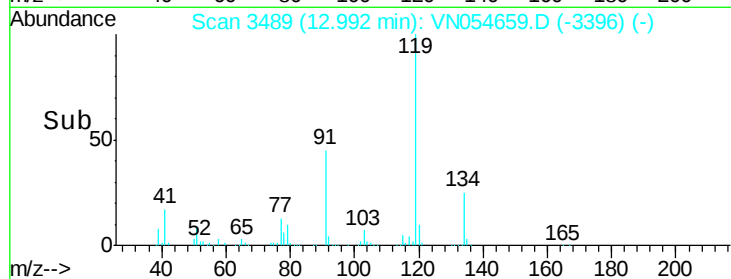
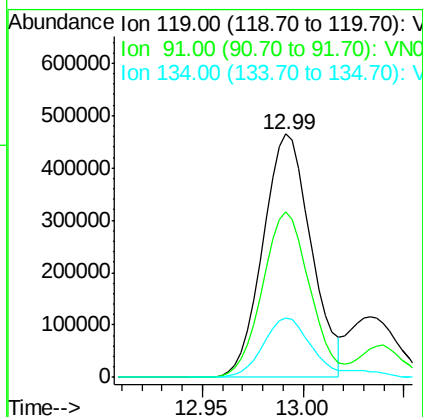
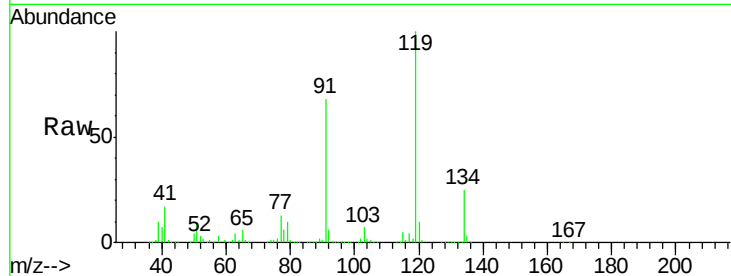




#83
 tert-Butylbenzene
 Concen: 49.316 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

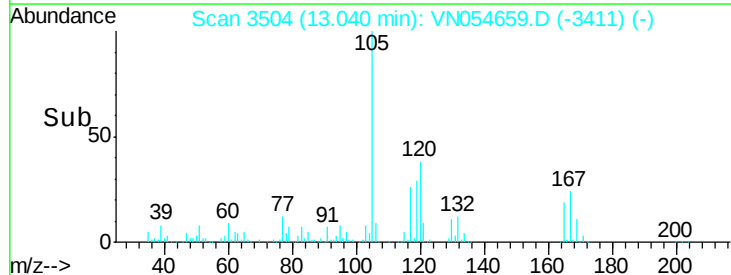
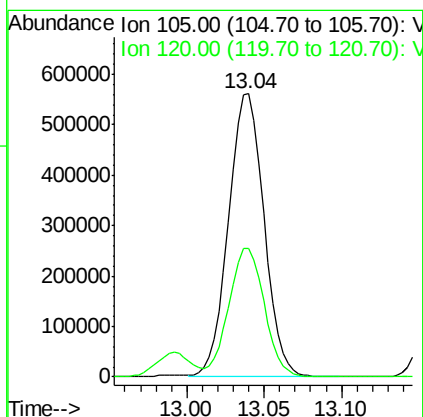
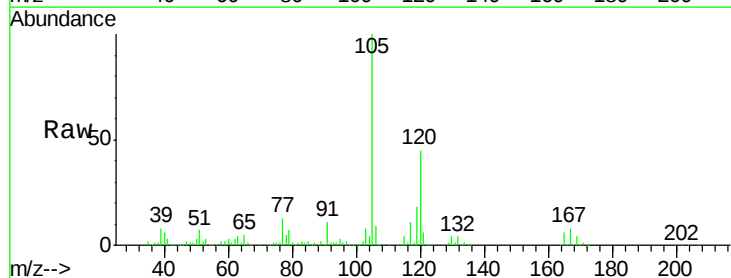
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

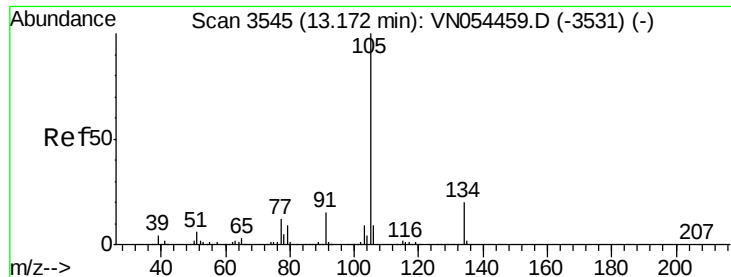
Tot Ion:119 Resp: 770982
 Ion Ratio Lower Upper
 119 100
 91 66.6 30.9 92.8
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.733 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion:105 Resp: 894059
 Ion Ratio Lower Upper
 105 100
 120 45.5 23.4 70.3





#85

sec-Butylbenzene

Concen: 51.182 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

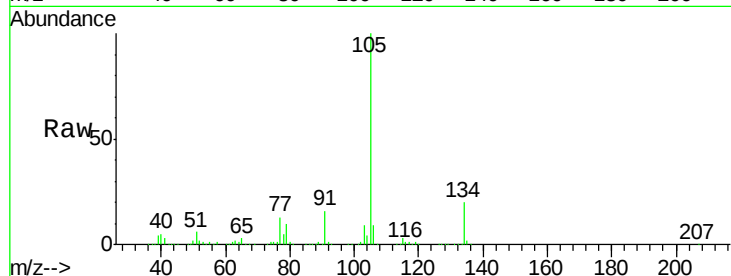
VSTDCCC050

Tot Ion:105 Resp: 997465

Ion Ratio Lower Upper

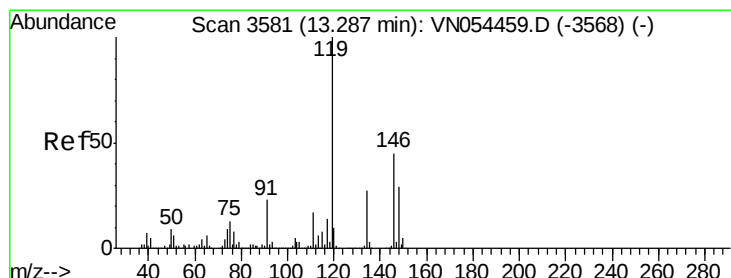
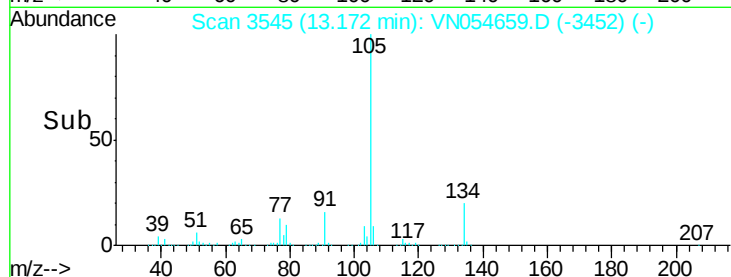
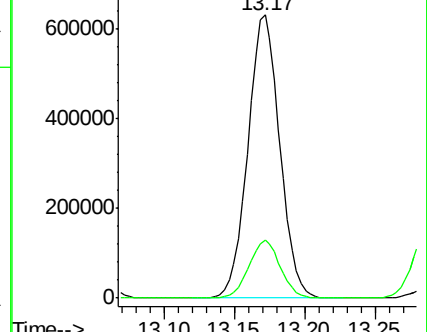
105 100

134 20.2 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.583 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

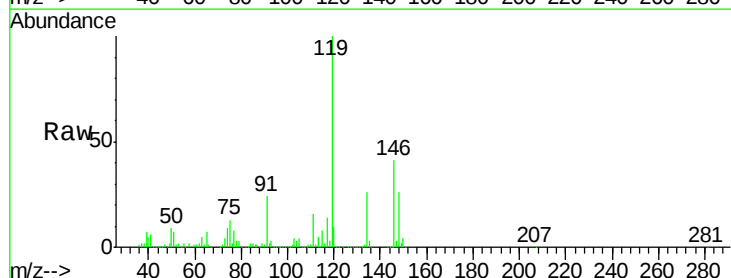
Tgt Ion:119 Resp: 899362

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

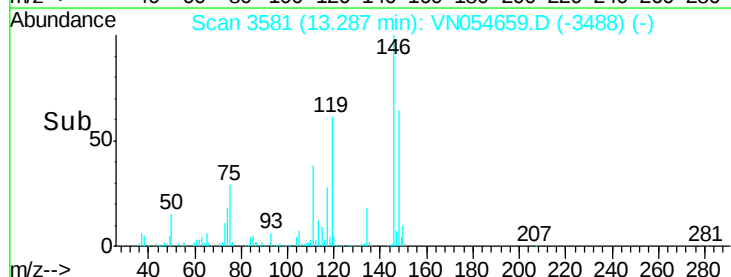
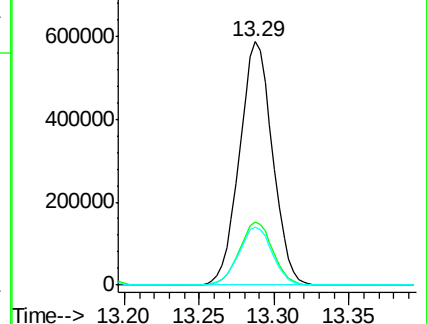
91 24.3 11.1 33.3

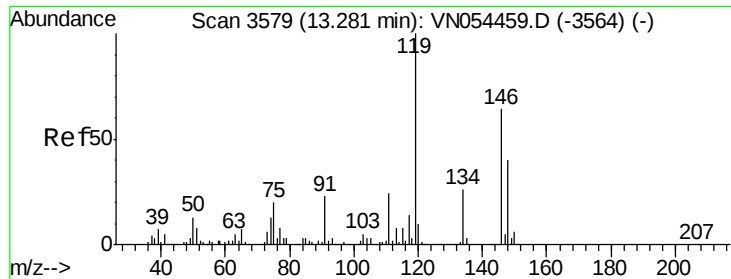


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

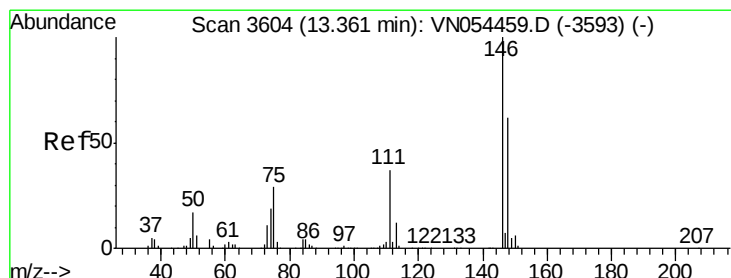
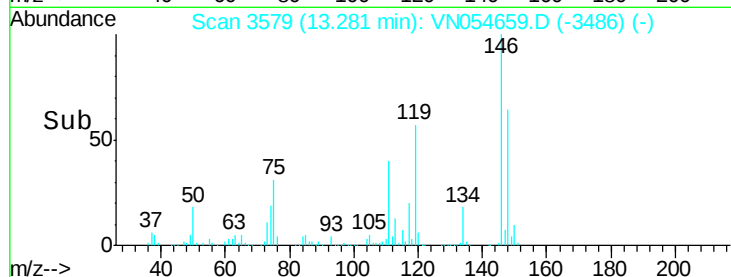
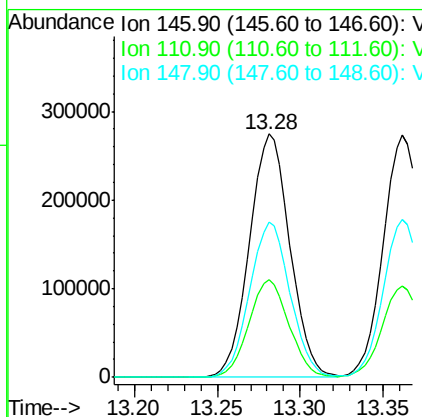
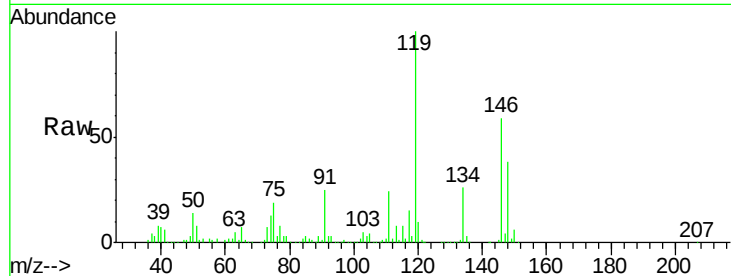




#87
 1,3-Dichlorobenzene
 Concen: 51.698 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

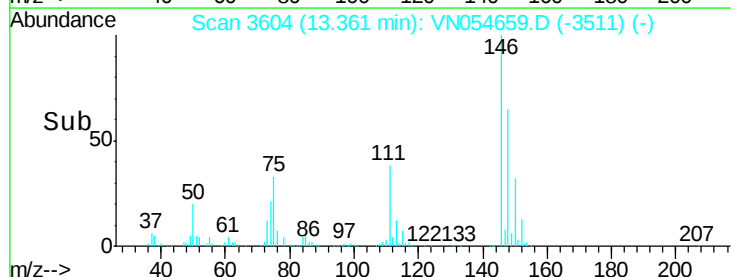
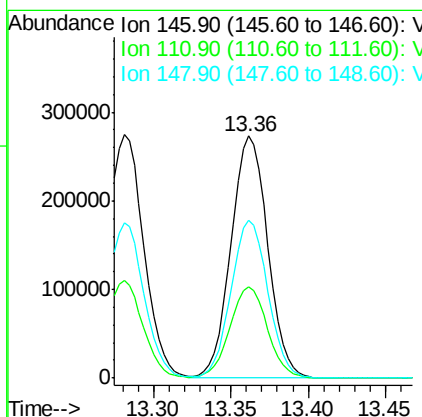
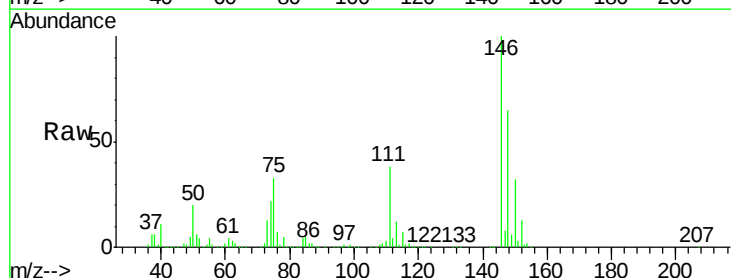
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

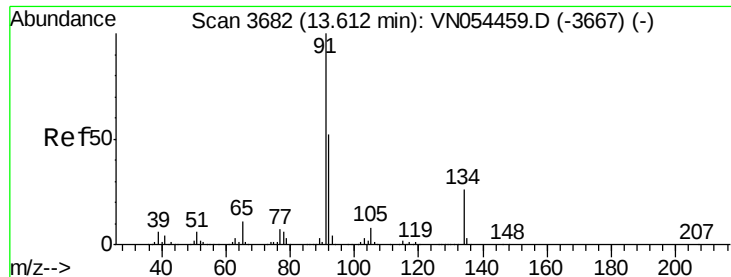
Tot Ion:146 Resp: 465618
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.8 56.3
 148 63.8 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 51.338 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion:146 Resp: 449875
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.1 54.1
 148 65.7 32.0 96.0

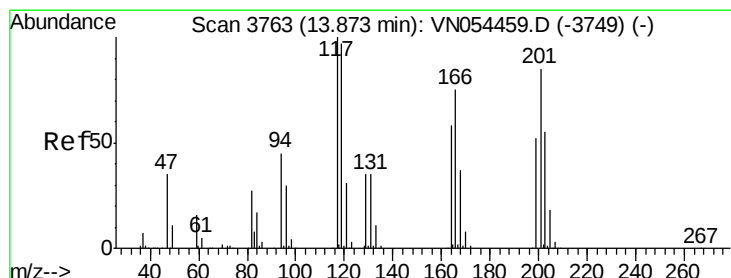
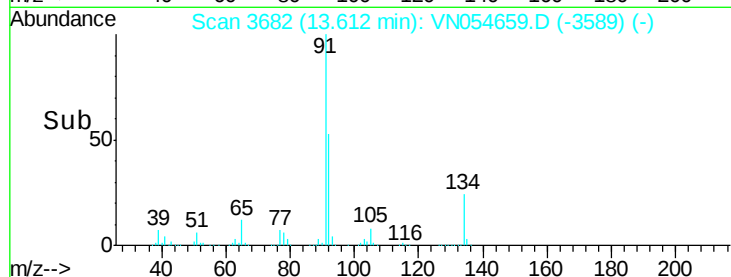
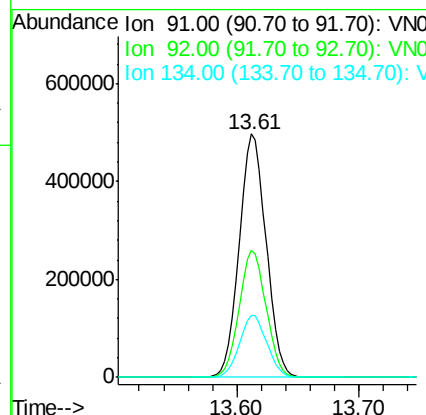
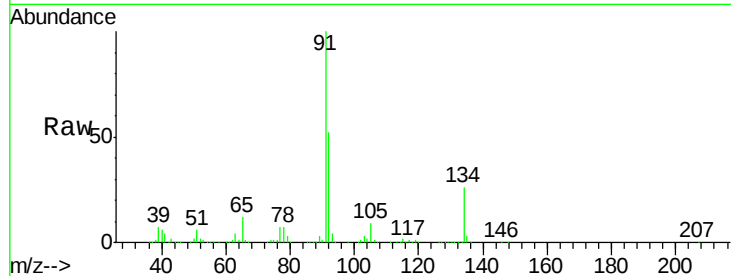




#89
n-Butylbenzene
Concen: 55.675 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

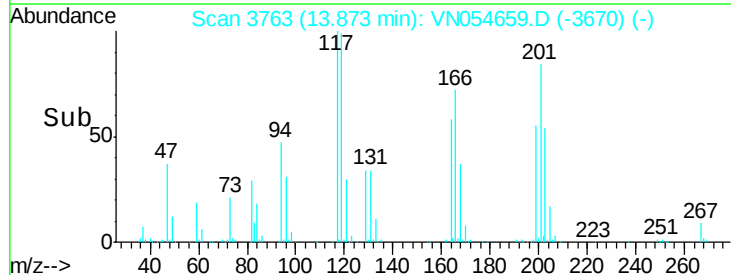
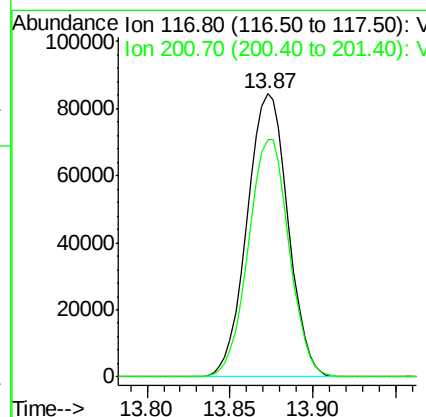
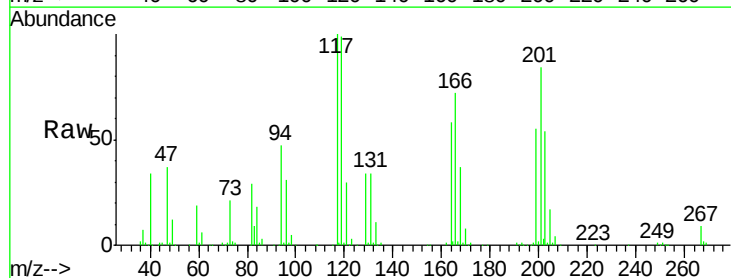
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

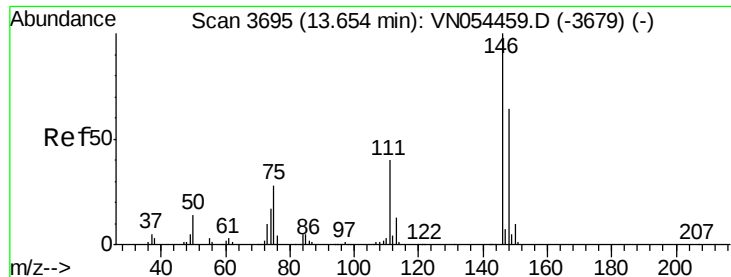
Tot Ion: 91 Resp: 759036
Ion Ratio Lower Upper
91 100
92 52.1 26.2 78.6
134 25.7 14.3 42.9



#90
Hexachloroethane
Concen: 53.615 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054659.D
Acq: 25 Mar 2019 9:07

Tgt Ion: 117 Resp: 145103
Ion Ratio Lower Upper
117 100
201 83.4 48.1 144.4

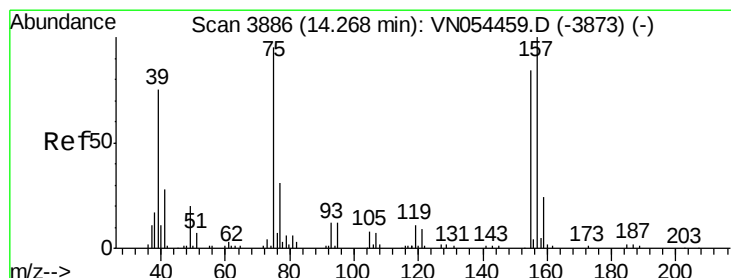
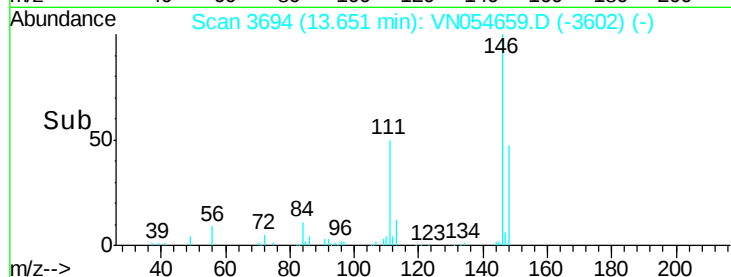
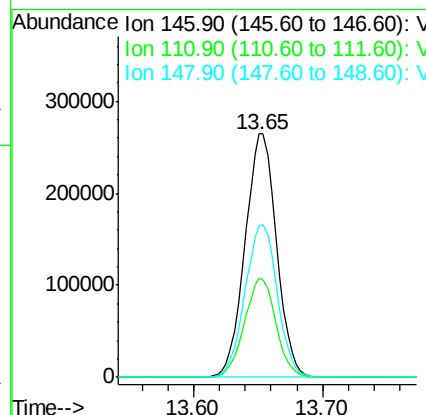
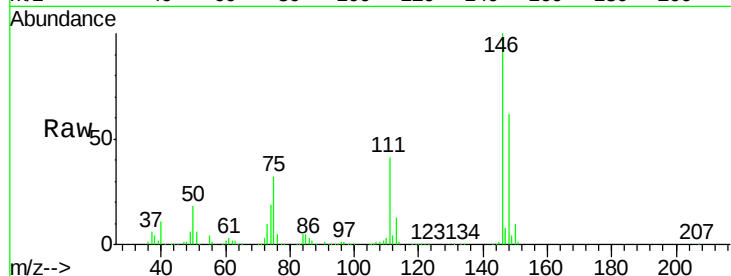




#91
 1,2-Dichlorobenzene
 Concen: 51.608 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

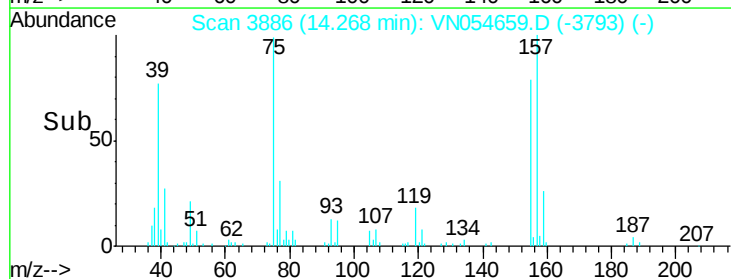
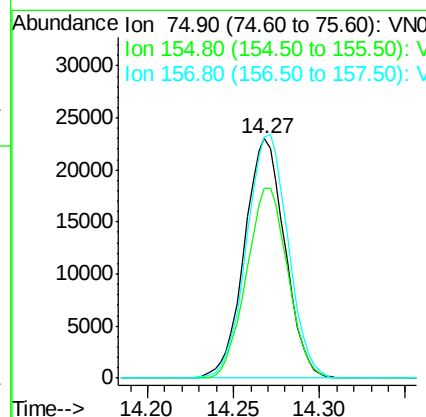
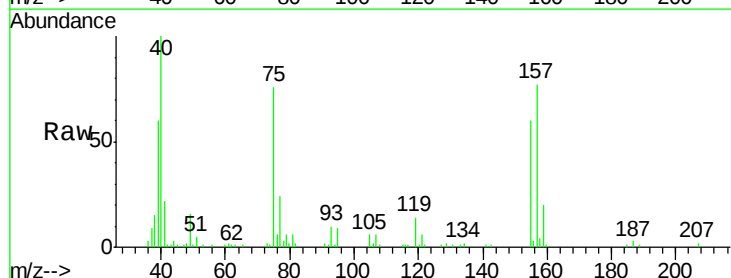
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

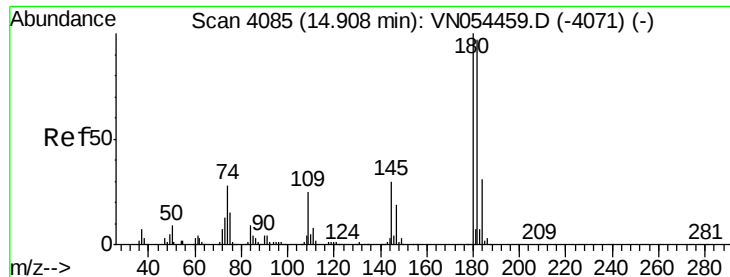
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.1	57.3
148	64.3	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.102 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.9	50.1	150.3
157	104.4	63.1	189.3

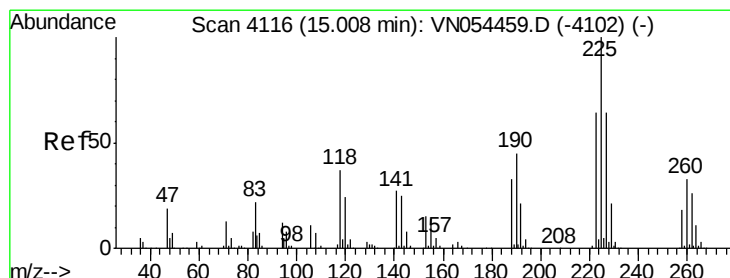
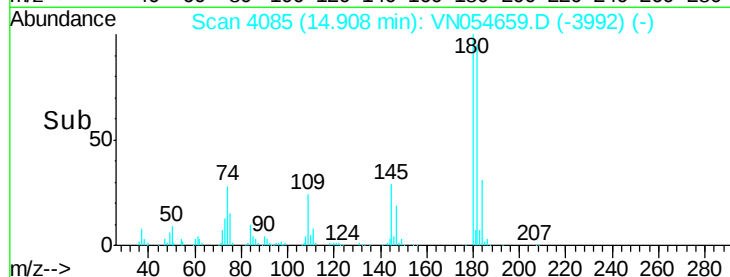
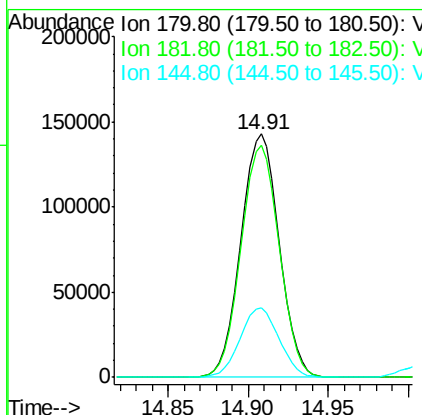
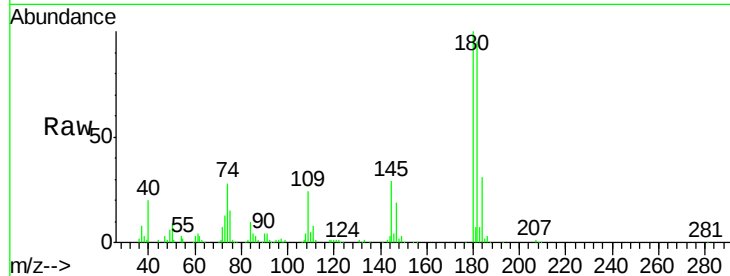




#93
 1,2,4-Trichlorobenzene
 Concen: 53.557 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

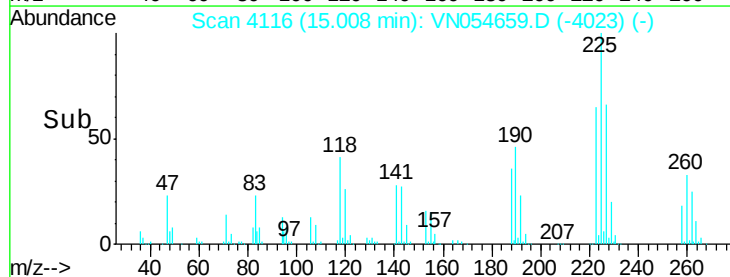
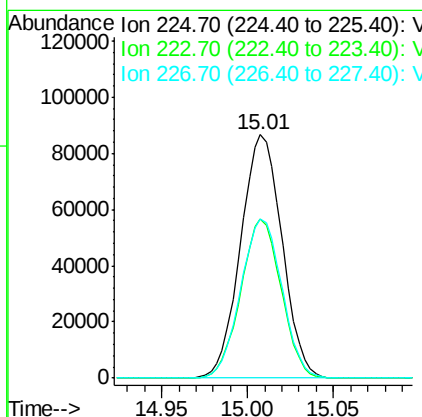
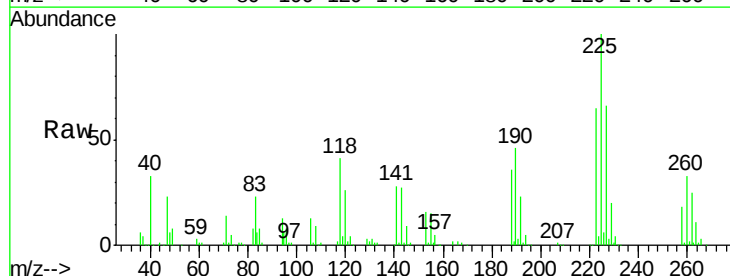
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

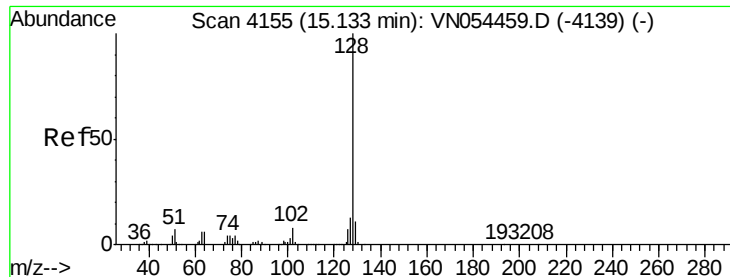
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.0	144.2
145	29.0	14.2	42.8



#94
 Hexachlorobutadiene
 Concen: 59.653 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054659.D
 Acq: 25 Mar 2019 9:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.1	93.5
227	65.2	31.9	95.9





#95

Naphthalene

Concen: 48.473 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

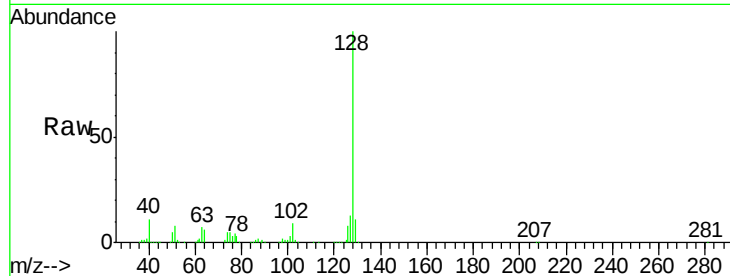
Tot Ion:128 Resp: 470195

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

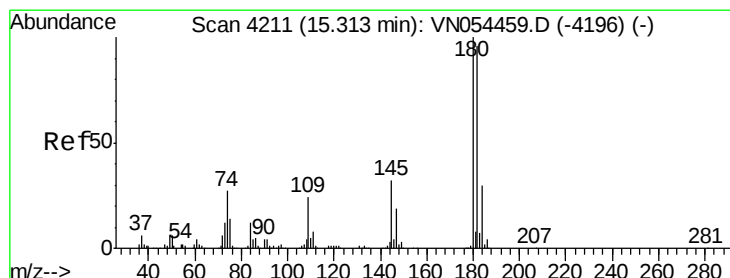
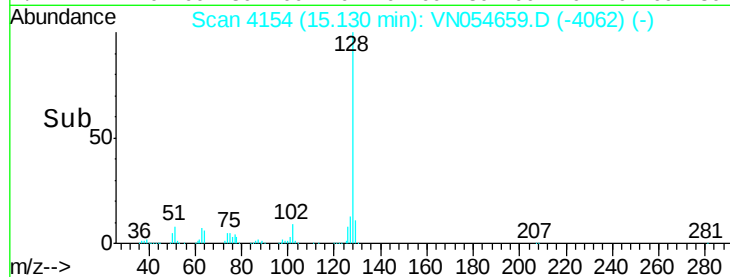
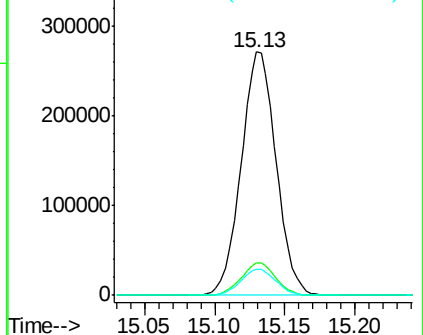
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.884 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054659.D

Acq: 25 Mar 2019 9:07

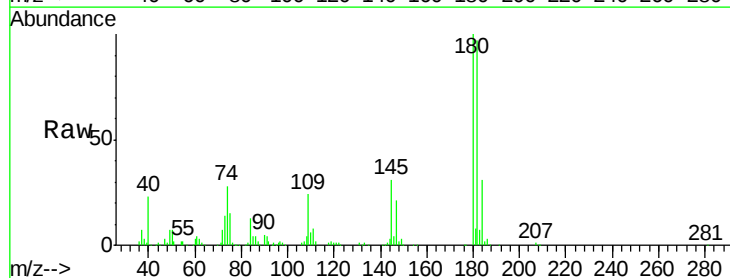
Tgt Ion:180 Resp: 220237

Ion Ratio Lower Upper

180 100

182 96.2 47.5 142.6

145 31.2 14.8 44.3



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

