

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032519\
 Data File : VN054683.D
 Acq On : 25 Mar 2019 19:50
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 26 01:29:23 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	7.67	168	426805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	629569	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272492	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	285793	53.83	ug/l	0.00
Spiked Amount			Recovery	=	107.66%	
35) Dibromofluoromethane	7.59	113	227369	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	10.09	98	842425	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.40	95	287315	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	215718	52.870	ug/l	98
3) Chloromethane	2.06	50	297807	53.646	ug/l	98
4) Vinyl Chloride	2.19	62	271888	48.782	ug/l	98
5) Bromomethane	2.57	94	155014	43.012	ug/l	97
6) Chloroethane	2.71	64	151134	45.209	ug/l	100
7) Trichlorofluoromethane	3.02	101	336082	49.653	ug/l	99
8) Diethyl Ether	3.41	74	114885	44.133	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	3.75	101	176346	44.331	ug/l	93
10) Methyl Iodide	3.94	142	267421	45.701	ug/l #	88
11) Tert butyl alcohol	4.82	59	80023	248.979	ug/l	99
12) 1,1-Dichloroethene	3.73	96	172990	42.022	ug/l #	73
13) Acrolein	3.61	56	128912	290.642	ug/l	94
14) Allyl chloride	4.32	41	418840	54.030	ug/l #	92
15) Acrylonitrile	4.99	53	453008	283.030	ug/l	99
16) Acetone	3.82	43	313387	196.347	ug/l #	81
17) Carbon Disulfide	4.04	76	511829	46.402	ug/l	98
18) Methyl Acetate	4.33	43	202201	56.838	ug/l #	89
19) Methyl tert-butyl Ether	5.06	73	642316	53.463	ug/l	95
20) Methylene Chloride	4.55	84	247022	52.503	ug/l #	81
21) trans-1,2-Dichloroethene	5.03	96	224452	53.395	ug/l	86
22) Diisopropyl ether	5.96	45	888290	58.094	ug/l #	95
23) Vinyl Acetate	5.90	43	3180189	294.481	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	467336	56.764	ug/l	97
25) 2-Butanone	6.84	43	553077	270.509	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	302157	51.485	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	262248	52.304	ug/l	87
28) Bromochloromethane	7.19	49	229247	56.570	ug/l #	71
29) Tetrahydrofuran	7.22	42	374414	282.193	ug/l #	83
30) Chloroform	7.37	83	444814	55.362	ug/l	99
31) Cyclohexane	7.65	56	427063	54.294	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	370833	55.944	ug/l	95
36) 1,1-Dichloropropene	7.79	75	339161	50.314	ug/l	95
37) Ethyl Acetate	6.94	43	250653	52.280	ug/l	96
38) Carbon Tetrachloride	7.77	117	322441	49.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	363487	47.139	ug/l	89
40) Benzene	8.04	78	989828	51.350	ug/l	100
41) Methacrylonitrile	7.18	41	144367	49.375	ug/l	89
42) 1,2-Dichloroethane	8.12	62	359407	51.198	ug/l	96
43) Isopropyl Acetate	8.17	43	452751	55.916	ug/l #	93
44) Trichloroethene	8.83	130	257223	47.997	ug/l	92
45) 1,2-Dichloropropane	9.12	63	282404	54.560	ug/l	98
46) Dibromomethane	9.21	93	157646	51.053	ug/l	90
47) Bromodichloromethane	9.40	83	347654	54.249	ug/l	97
48) Methyl methacrylate	9.20	41	228060	51.894	ug/l #	86
49) 1,4-Dioxane	9.20	88	44842	912.704	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	1217636	271.345	ug/l	93
52) Toluene	10.16	92	595060	50.192	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	329698	48.825	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	395975	53.889	ug/l #	92
55) 1,1,2-Trichloroethane	10.56	97	219489	51.503	ug/l	96
56) Ethyl methacrylate	10.43	69	301367	52.686	ug/l #	83
57) 1,3-Dichloropropane	10.71	76	391233	52.811	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	539424	229.018	ug/l	90
59) 2-Hexanone	10.75	43	746702	254.750	ug/l	91
60) Dibromochloromethane	10.90	129	235143	51.853	ug/l	98
61) 1,2-Dibromoethane	11.01	107	217081	51.524	ug/l	99
64) Tetrachloroethene	10.63	164	243831	46.693	ug/l	97
65) Chlorobenzene	11.43	112	625429	48.844	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	239405	52.090	ug/l	99
67) Ethyl Benzene	11.51	91	1129455	49.935	ug/l	97
68) m/p-Xylenes	11.62	106	831492	97.053	ug/l	94
69) o-Xylene	11.95	106	411640	49.199	ug/l	97
70) Styrene	11.96	104	688616	50.681	ug/l	97
71) Bromoform	12.13	173	145588	46.127	ug/l #	100
73) Isopropylbenzene	12.25	105	1076057	49.005	ug/l	99
74) N-amyl acetate	12.07	43	357130	56.564	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	268052	53.477	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	319853	73.971	ug/l #	100
77) Bromobenzene	12.53	156	266595	48.954	ug/l	85
78) n-propylbenzene	12.59	91	1200724	50.429	ug/l	96
79) 2-Chlorotoluene	12.67	91	732816	49.355	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	884950	49.174	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	57585	46.169	ug/l #	81
82) 4-Chlorotoluene	12.77	91	722732	50.216	ug/l	96
83) tert-Butylbenzene	12.99	119	757184	48.336	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	870663	49.306	ug/l	98
85) sec-Butylbenzene	13.17	105	962740	49.301	ug/l	97
86) p-Isopropyltoluene	13.29	119	860287	49.242	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	445767	49.394	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	433359	49.354	ug/l	98
89) n-Butylbenzene	13.61	91	692983	50.728	ug/l	98
90) Hexachloroethane	13.87	117	148064	54.599	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	441433	50.500	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	39800	54.134	ug/l	81

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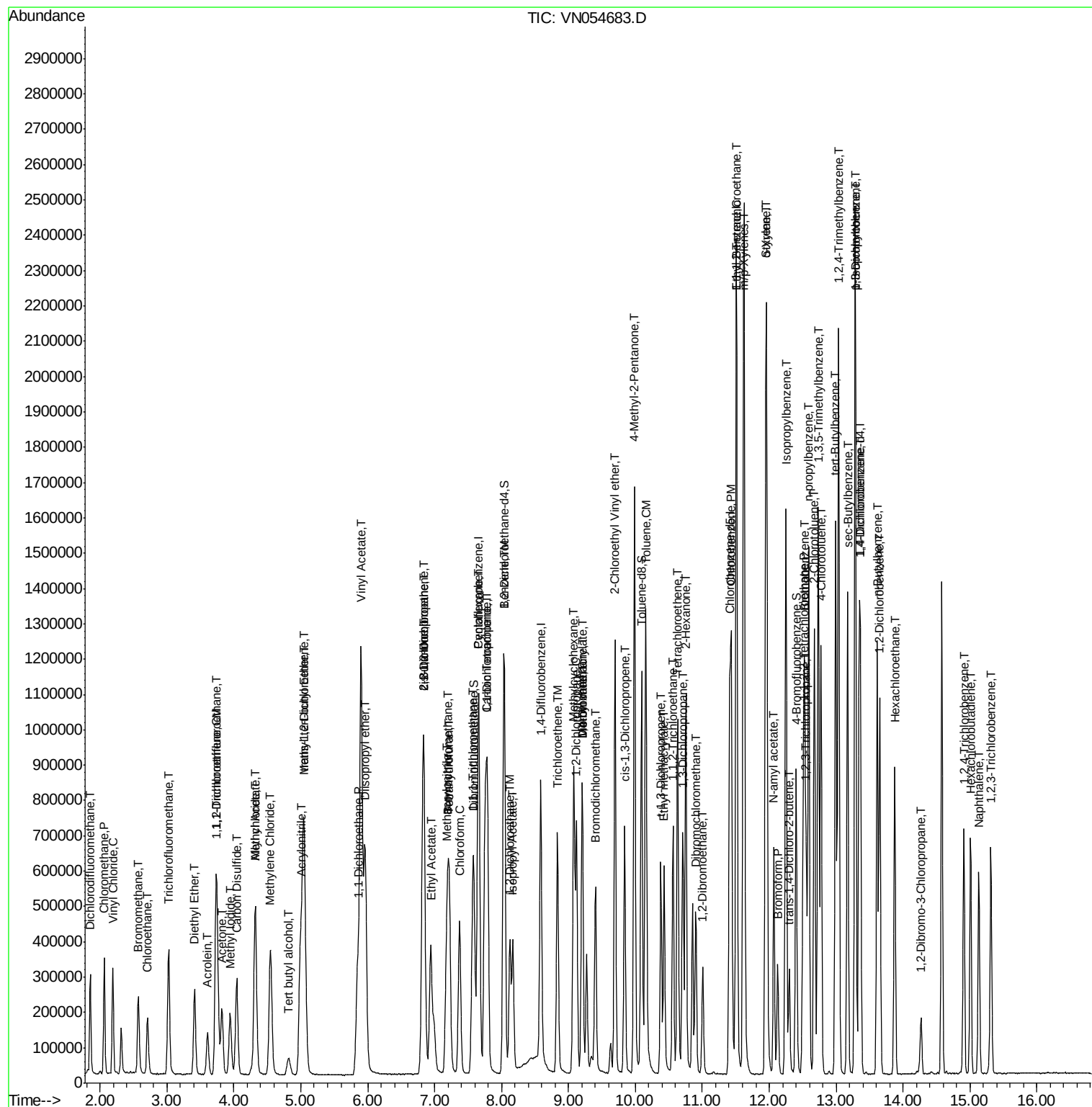
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	218760	50.202	ug/l	99
94) Hexachlorobutadiene	15.01	225	135325	55.549	ug/l	99
95) Naphthalene	15.13	128	487757	50.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	215974	49.798	ug/l	99

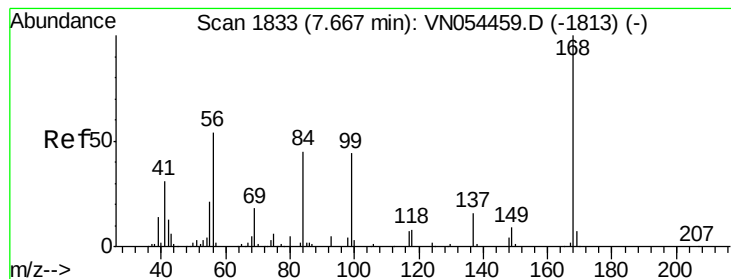
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

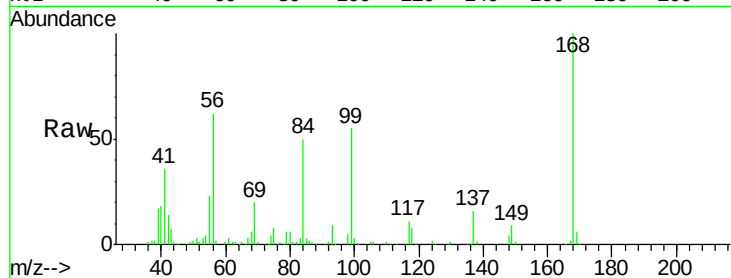
VSTDCCC050EC

Tot Ion:168 Resp: 426805

Ion Ratio Lower Upper

168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

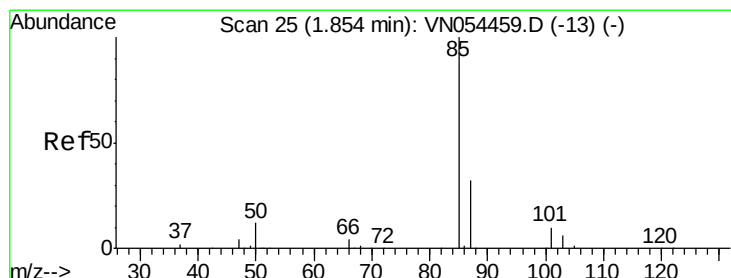
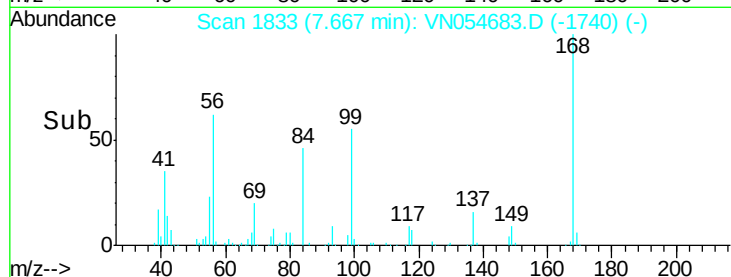
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 52.870 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054683.D

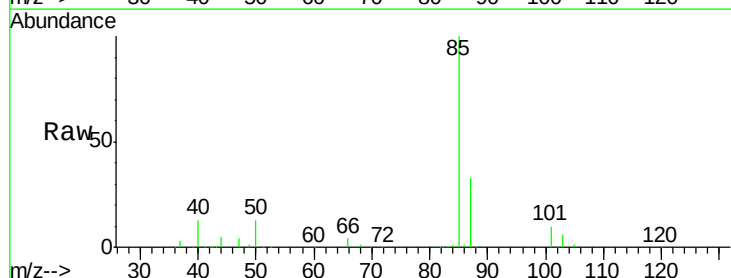
Acq: 25 Mar 2019 19:50

Tgt Ion: 85 Resp: 215718

Ion Ratio Lower Upper

85 100

87 33.1 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

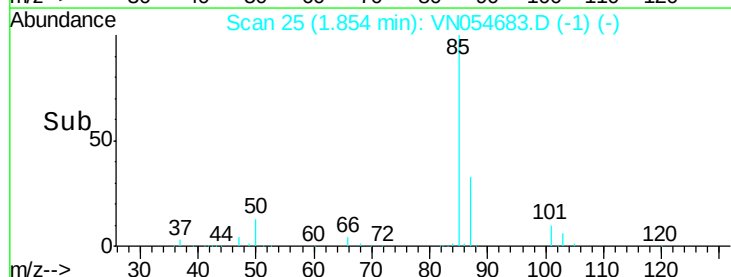
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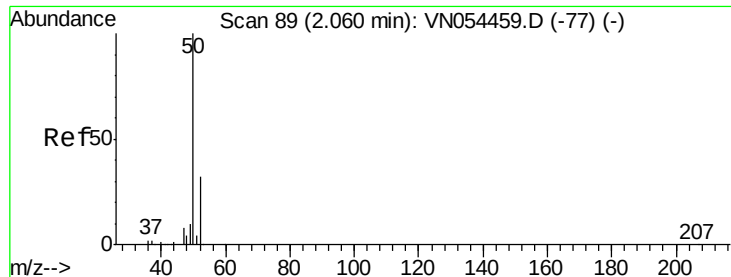
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50000

0

Time-->





#3

Chloromethane

Concen: 53.646 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

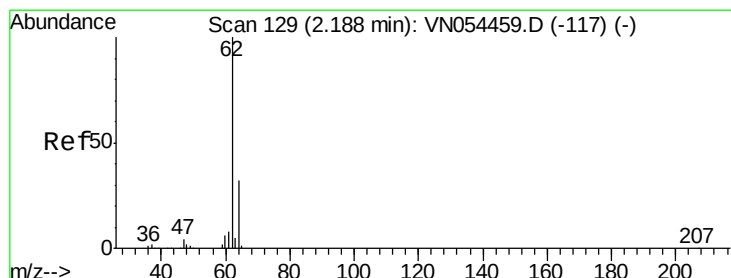
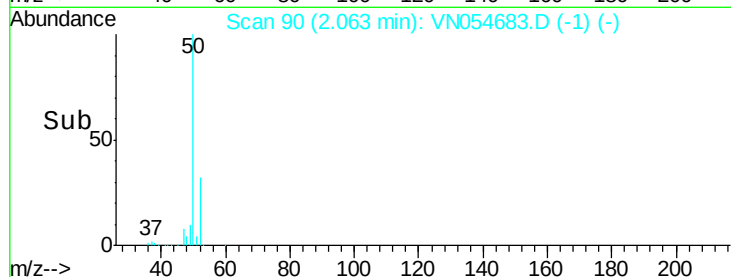
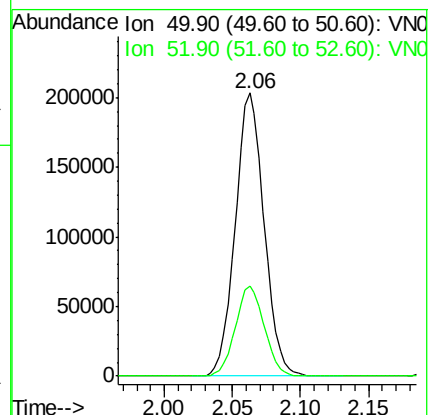
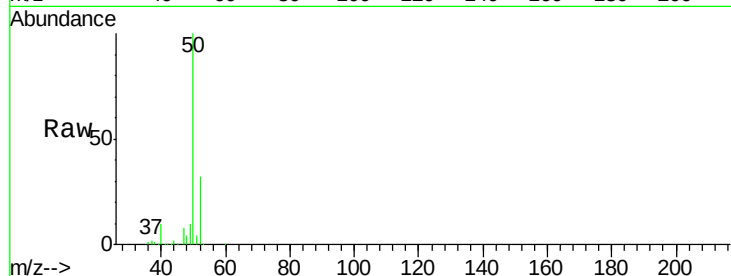
VSTDCCC050EC

Tot Ion: 50 Resp: 297807

Ion Ratio Lower Upper

50 100

52 31.7 26.4 39.6



#4

Vinyl Chloride

Concen: 48.782 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054683.D

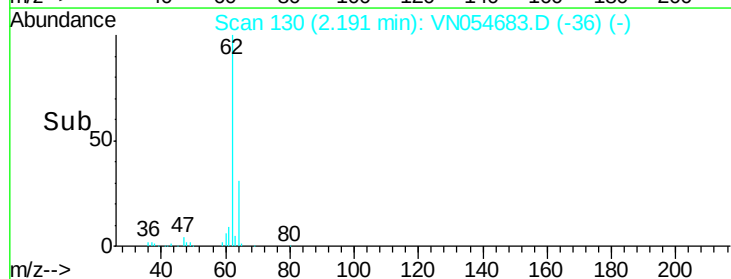
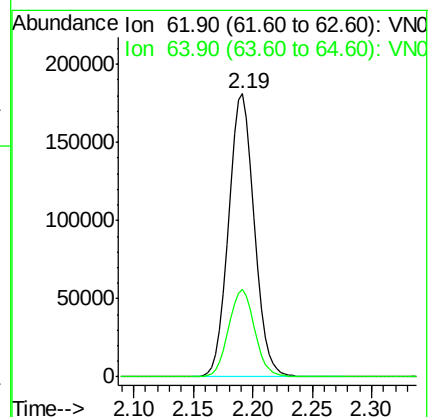
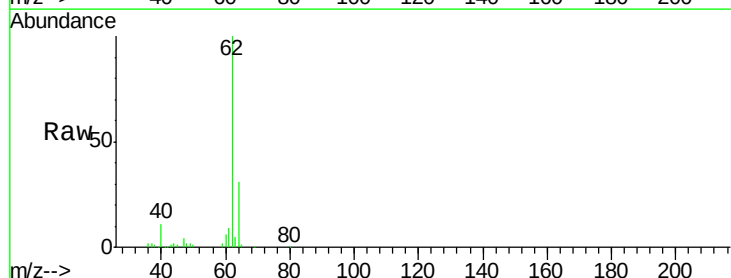
Acq: 25 Mar 2019 19:50

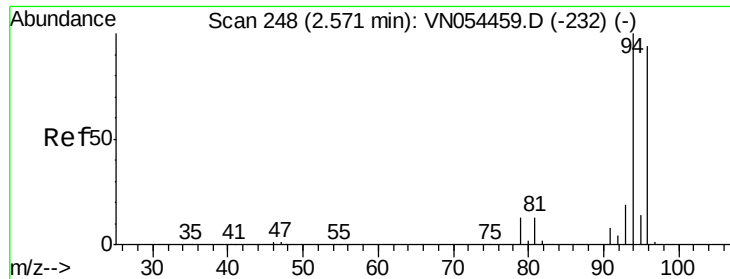
Tgt Ion: 62 Resp: 271888

Ion Ratio Lower Upper

62 100

64 30.7 25.5 38.3





#5

Bromomethane

Concen: 43.012 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

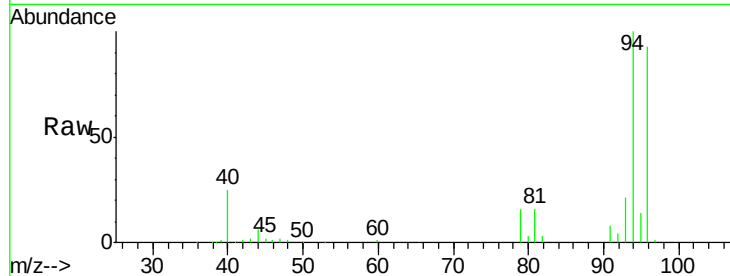
VSTDCCC050EC

Tot Ion: 94 Resp: 155014

Ion Ratio Lower Upper

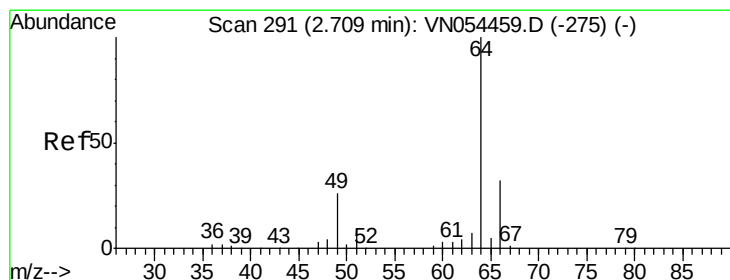
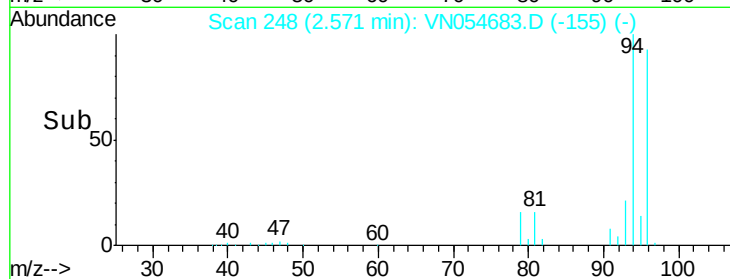
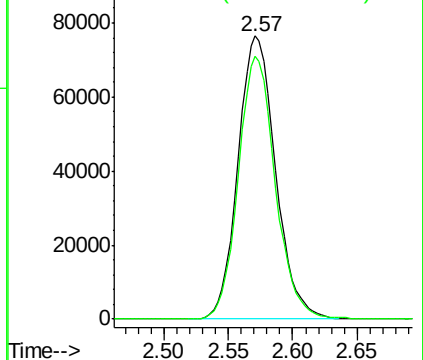
94 100

96 92.9 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: 45.209 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054683.D

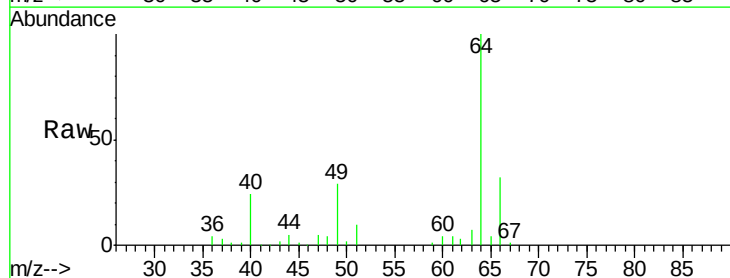
Acq: 25 Mar 2019 19:50

Tgt Ion: 64 Resp: 151134

Ion Ratio Lower Upper

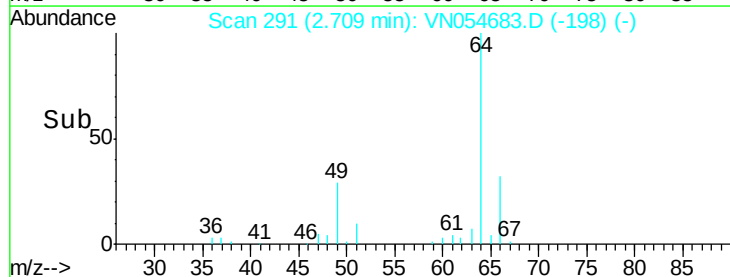
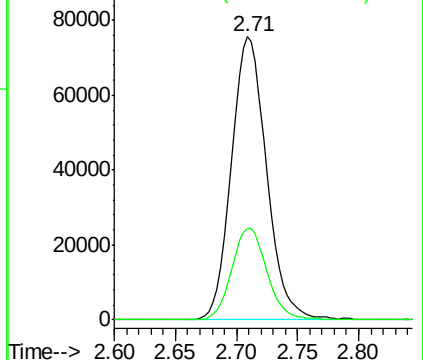
64 100

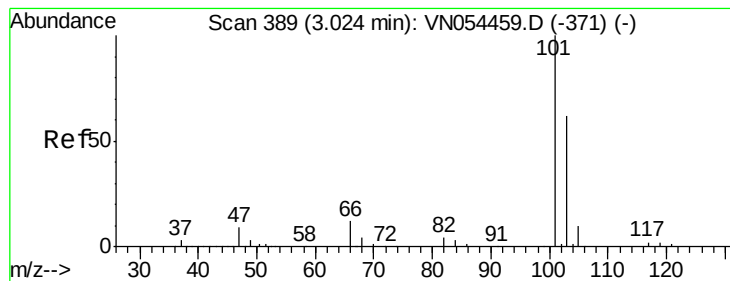
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



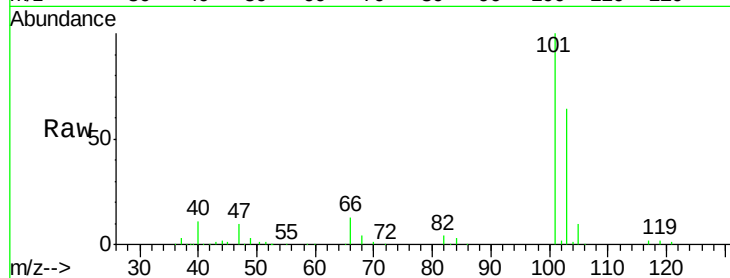


#7

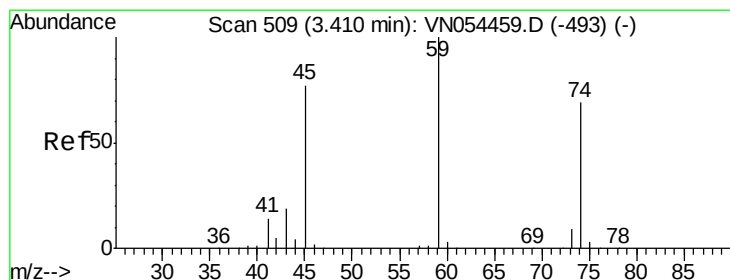
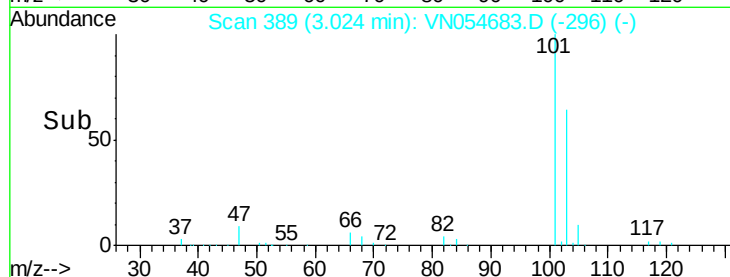
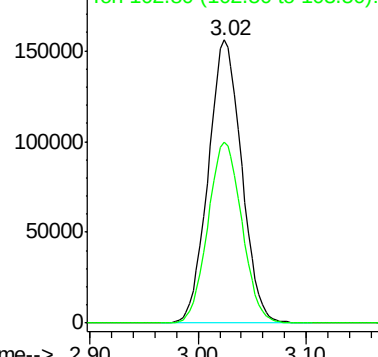
Trichlorofluoromethane
 Concen: 49.653 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 336082
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.2



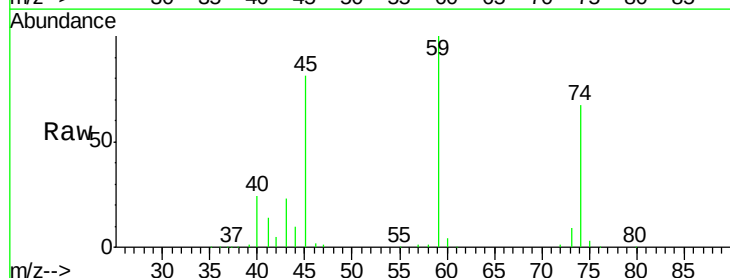
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



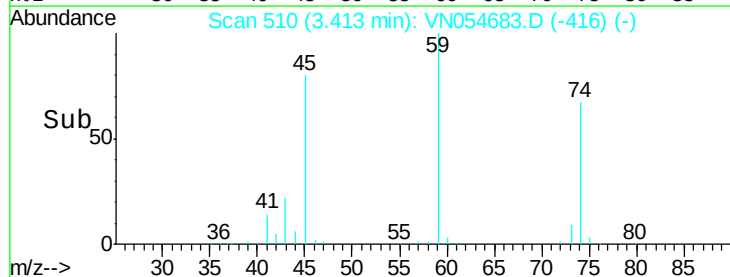
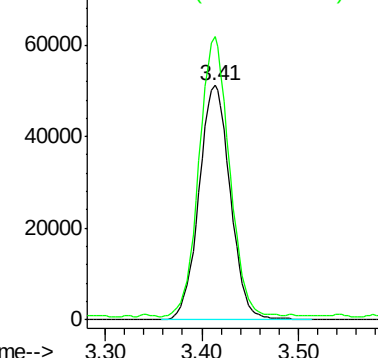
#8

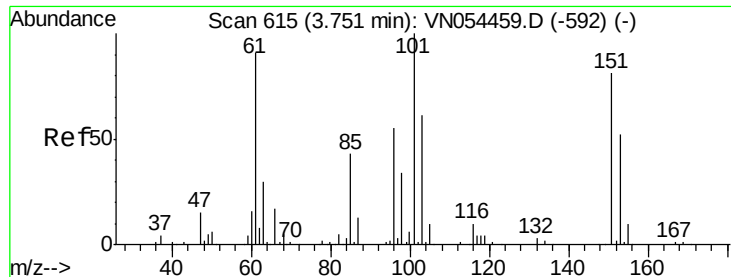
Diethyl Ether
 Concen: 44.133 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054683.D
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Tgt Ion: 74 Resp: 114885
 Ion Ratio Lower Upper
 74 100
 45 115.3 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.331 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054683.D

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VSTDCCC050EC

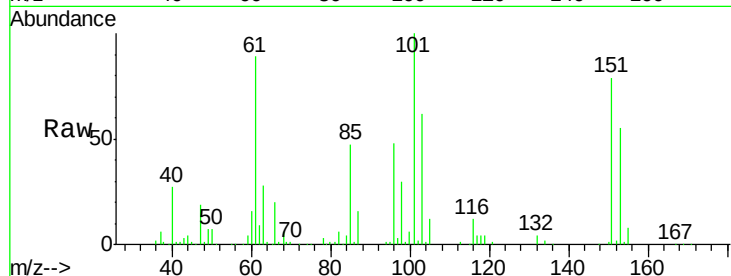
Tot Ion:101 Resp: 176346

Ion Ratio Lower Upper

101 100

85 46.2 32.4 48.6

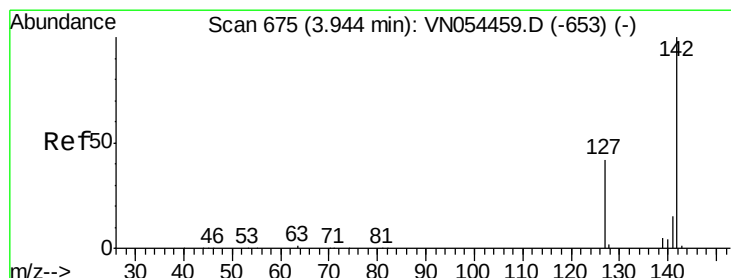
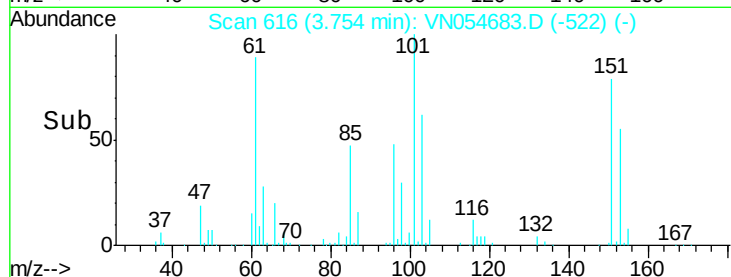
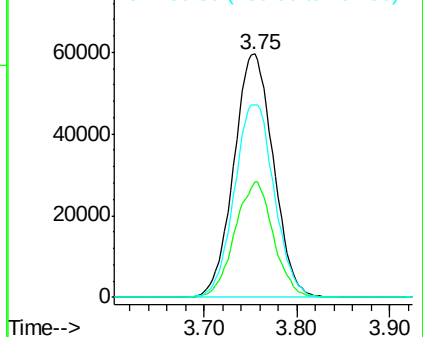
151 79.9 68.2 102.2



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: 45.701 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

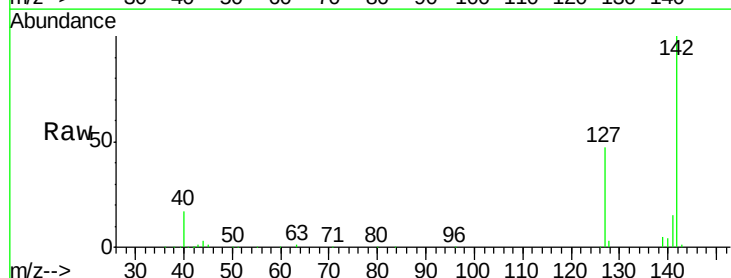
Tgt Ion:142 Resp: 267421

Ion Ratio Lower Upper

142 100

127 47.4 30.3 45.5#

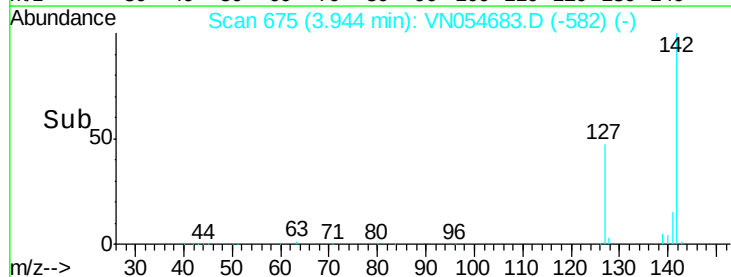
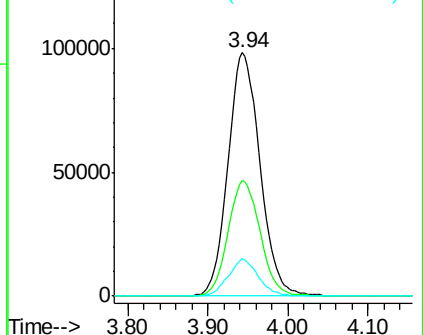
141 14.4 11.2 16.8

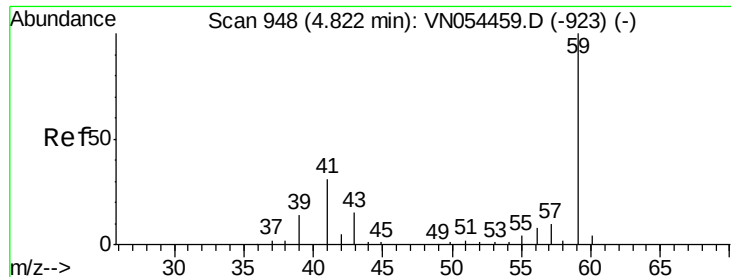


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



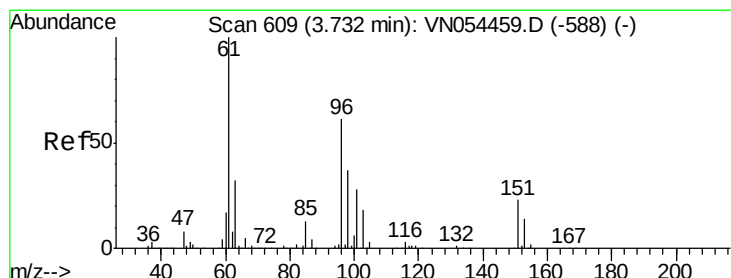
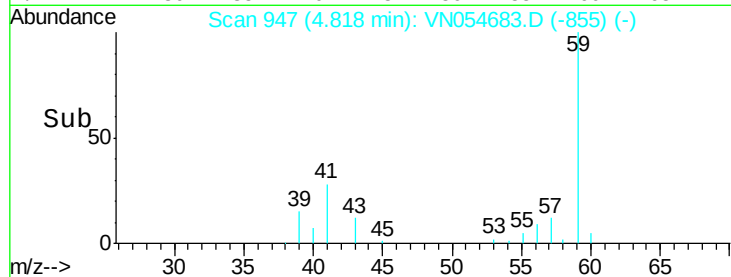
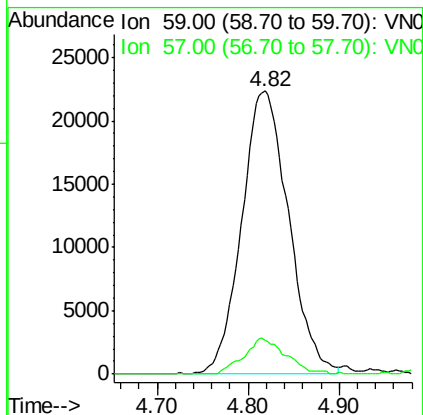
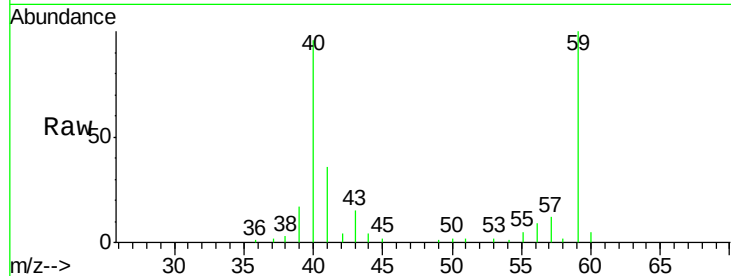


#11

Tert butyl alcohol
 Concen: 248.979 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

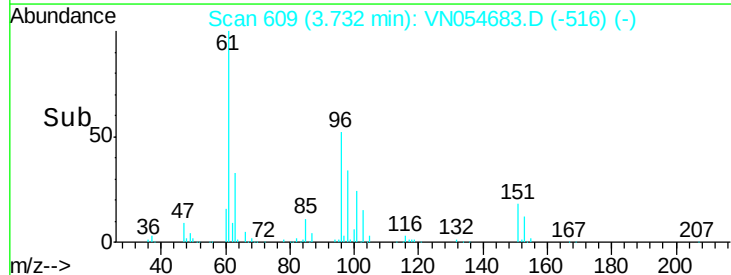
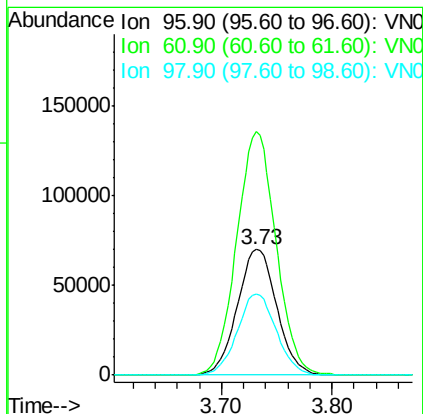
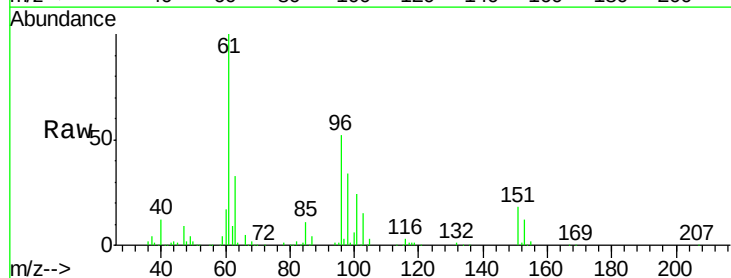
Tot Ion: 59 Resp: 80023
 Ion Ratio Lower Upper
 59 100
 57 11.0 9.0 13.6

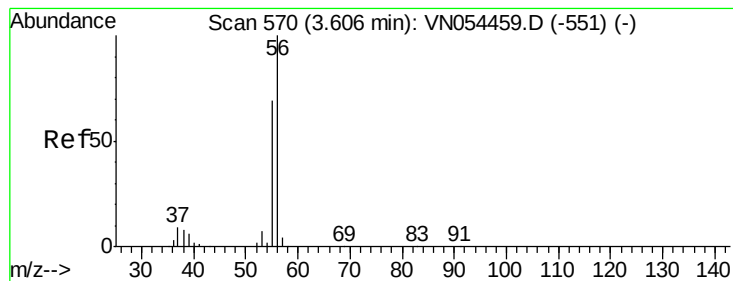


#12

1,1-Dichloroethene
 Concen: 42.022 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 96 Resp: 172990
 Ion Ratio Lower Upper
 96 100
 61 193.3 116.5 174.7#
 98 64.9 51.0 76.4





#13

Acrolein

Concen: 290.642 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

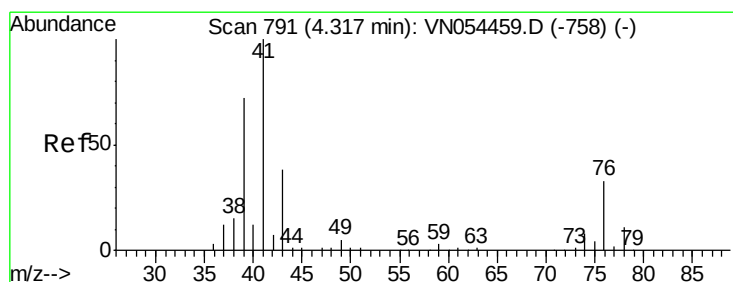
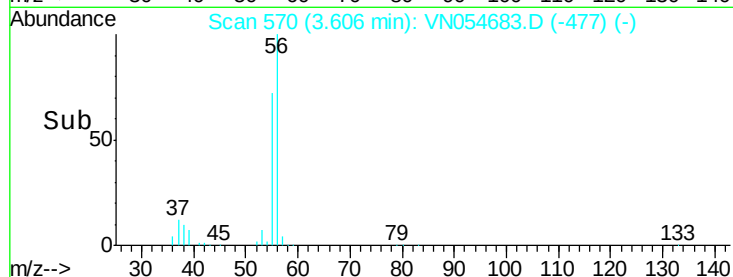
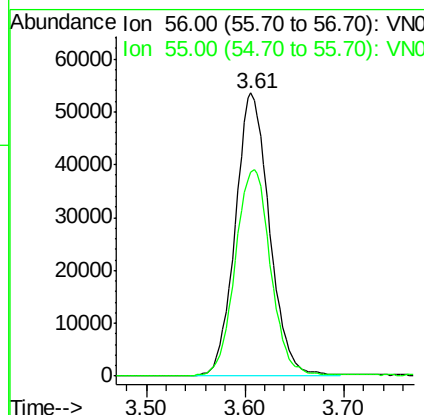
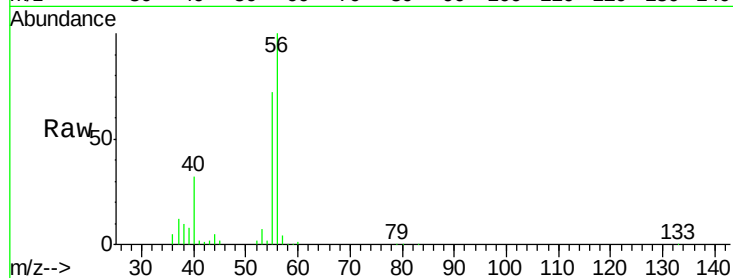
VSTDCCC050EC

Tot Ion: 56 Resp: 128912

Ion Ratio Lower Upper

56 100

55 75.7 56.7 85.1



#14

Allyl chloride

Concen: 54.030 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

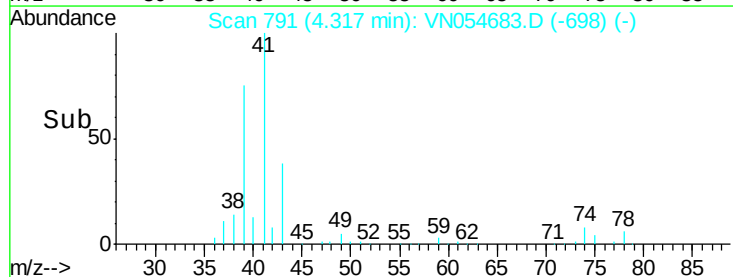
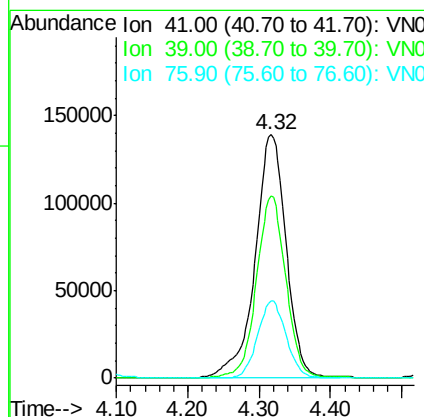
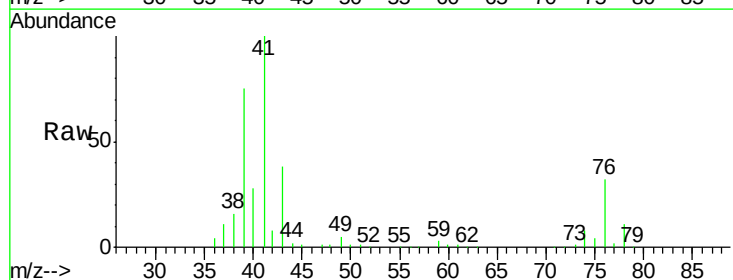
Tgt Ion: 41 Resp: 418840

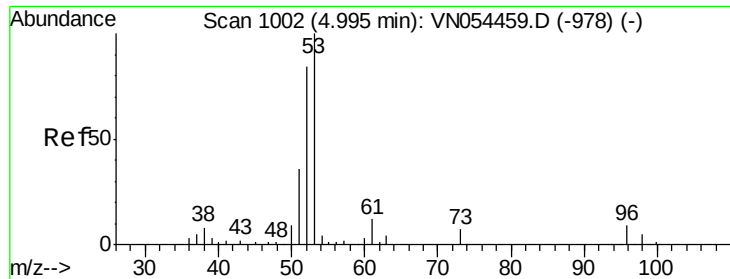
Ion Ratio Lower Upper

41 100

39 70.4 58.2 87.4

76 29.3 31.7 47.5#

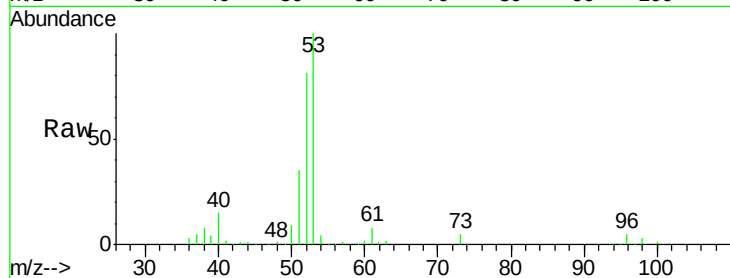




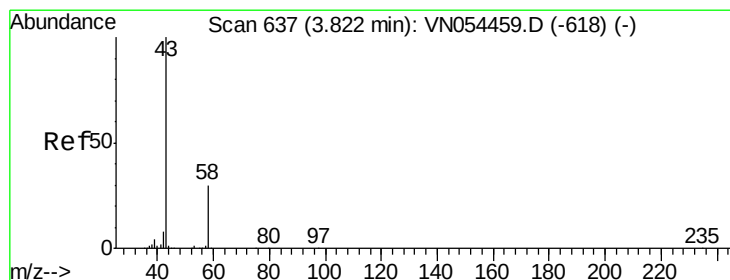
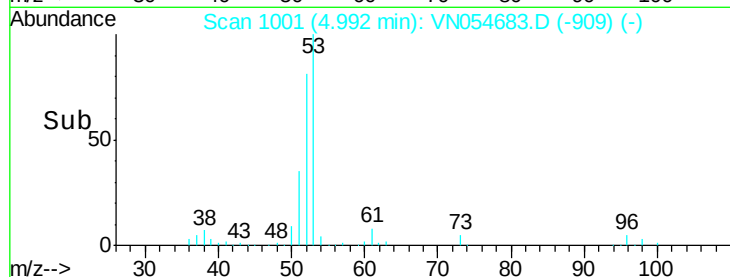
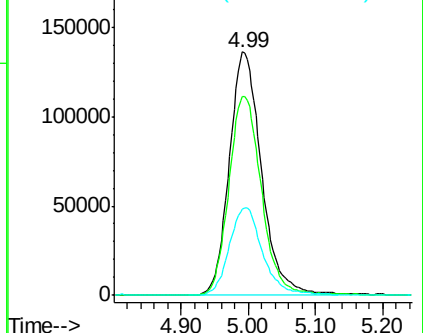
#15
 Acrylonitrile
 Concen: 283.030 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 53 Resp: 453008
 Ion Ratio Lower Upper
 53 100
 52 82.4 66.4 99.6
 51 37.5 29.6 44.4

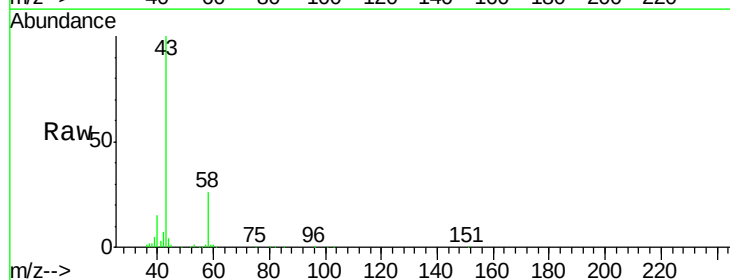


Abundance Ion 53.00 (52.70 to 53.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0
 Ion 51.00 (50.70 to 51.70): VN0

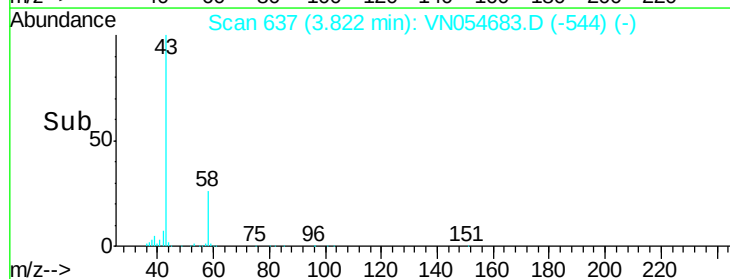
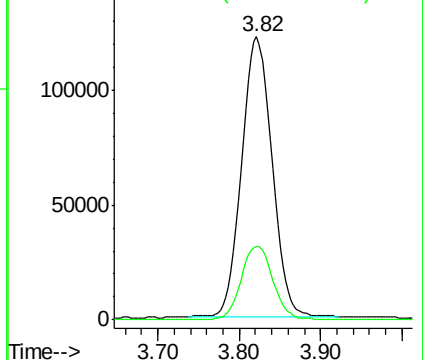


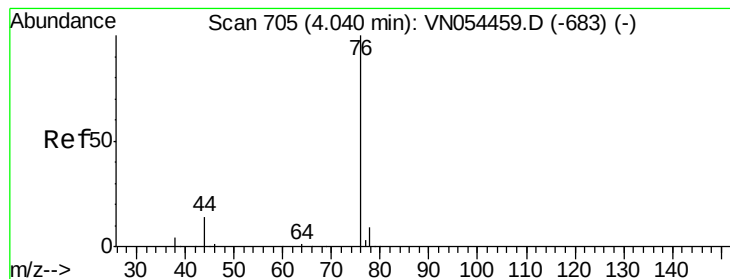
#16
 Acetone
 Concen: 196.347 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 313387
 Ion Ratio Lower Upper
 43 100
 58 26.3 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: 46.402 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

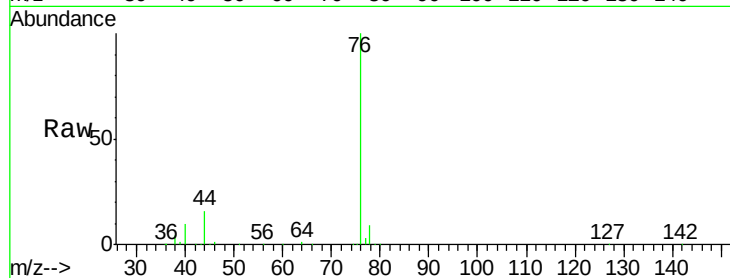
VSTDCCC050EC

Tot Ion: 76 Resp: 511829

Ion Ratio Lower Upper

76 100

78 8.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

200000

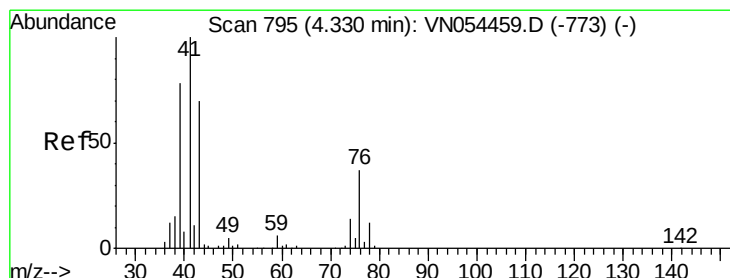
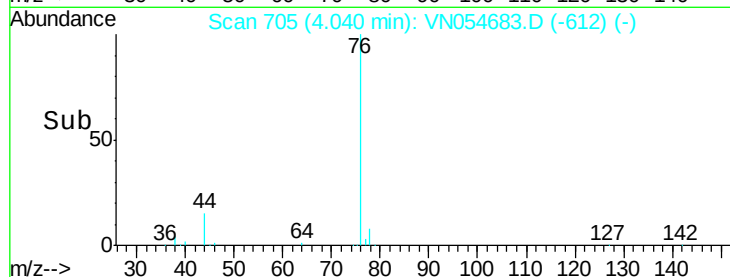
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 56.838 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054683.D

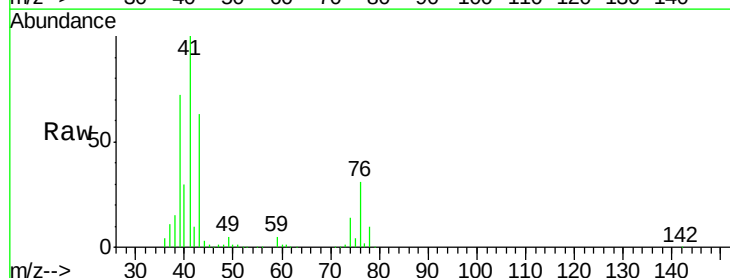
Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 202201

Ion Ratio Lower Upper

43 100

74 20.2 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

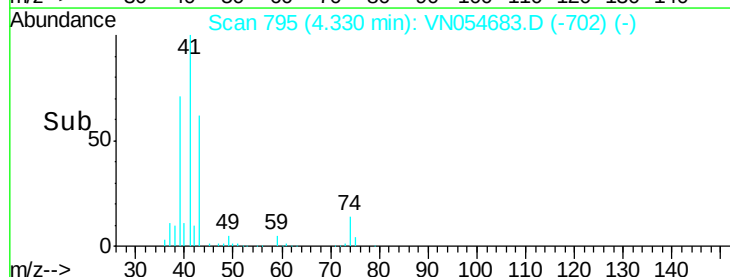
60000

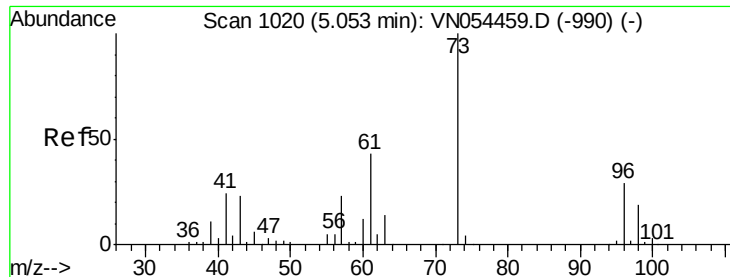
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

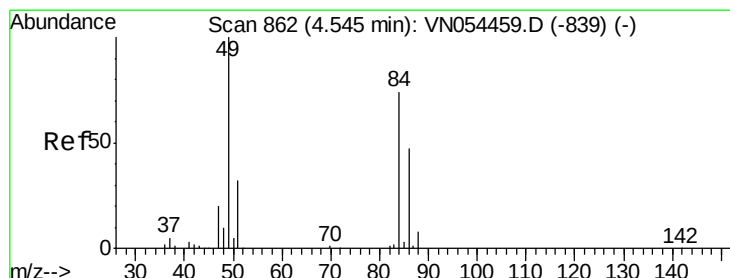
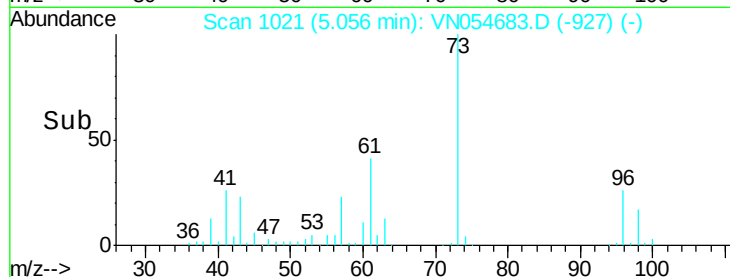
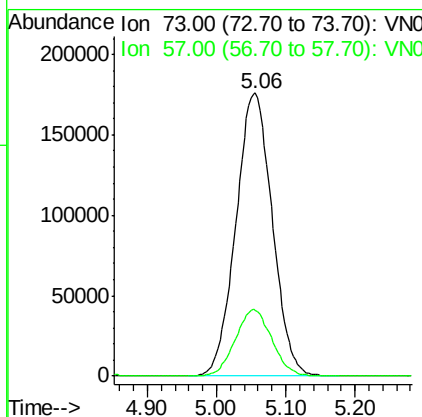
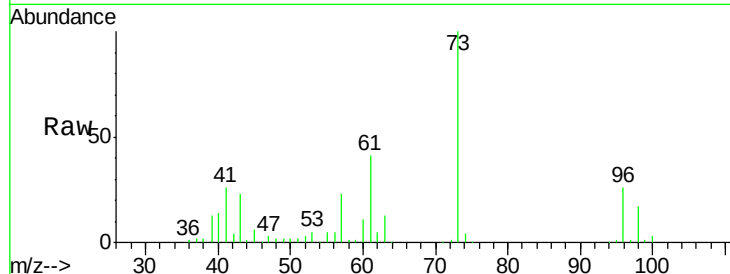




#19
Methvl tert-butvl Ether
Concen: 53.463 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

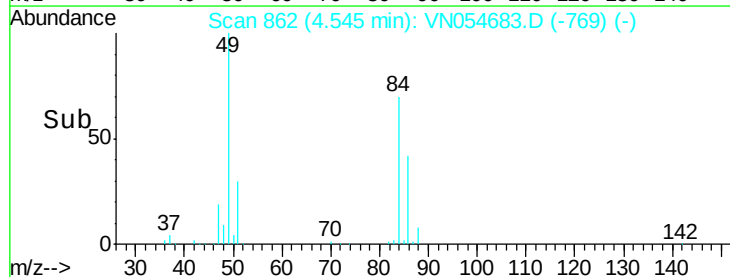
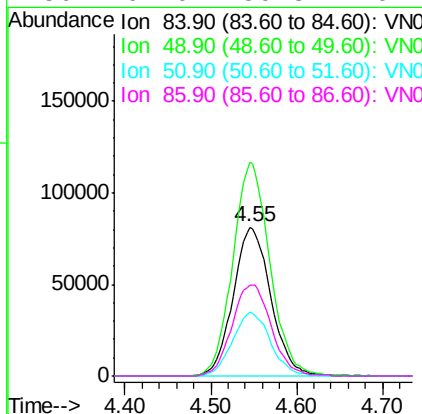
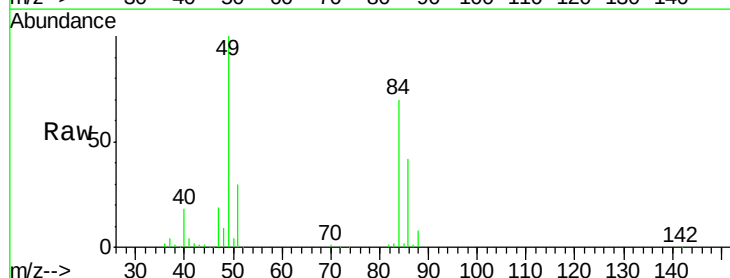
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

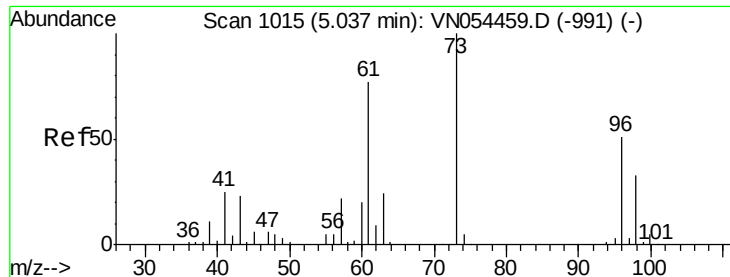
Tot Ion: 73 Resp: 642316
Ion Ratio Lower Upper
73 100
57 23.2 16.8 25.2



#20
Methylene Chloride
Concen: 52.503 ug/l
RT: 4.55 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 84 Resp: 247022
Ion Ratio Lower Upper
84 100
49 143.4 89.7 134.5#
51 42.7 28.2 42.4#
86 61.0 50.8 76.2

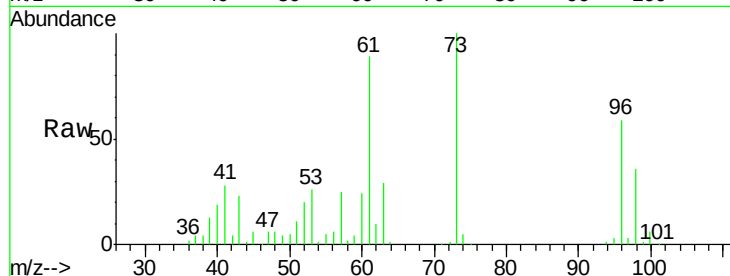




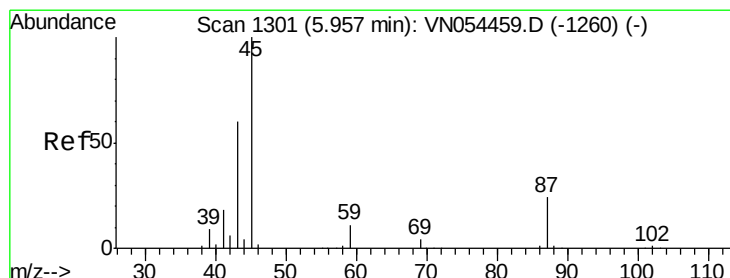
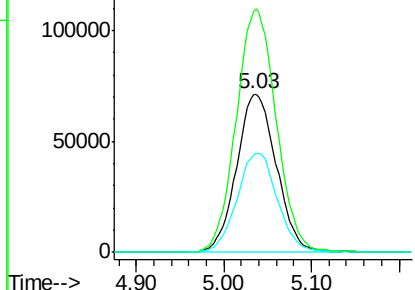
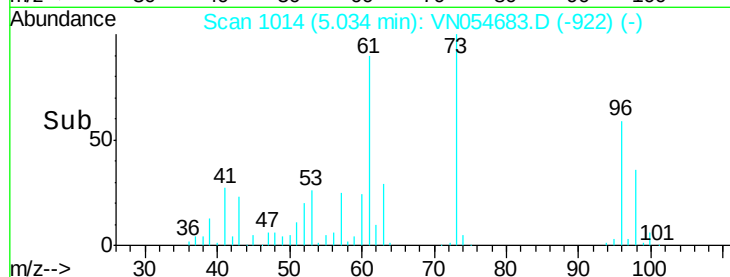
#21
trans-1,2-Dichloroethene
Concen: 53.395 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 224452
Ion Ratio Lower Upper
96 100
61 152.3 102.8 154.2
98 61.9 50.0 75.0

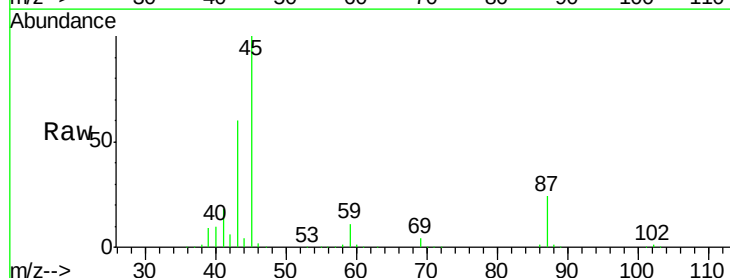


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

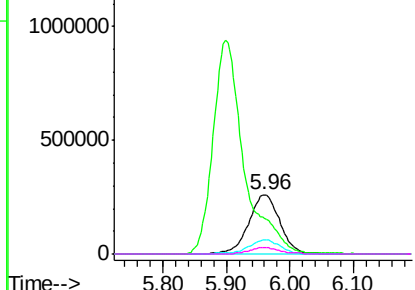
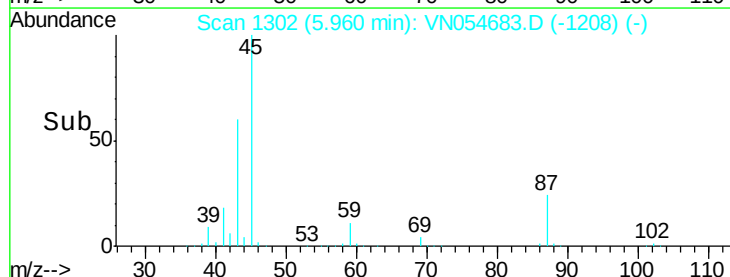


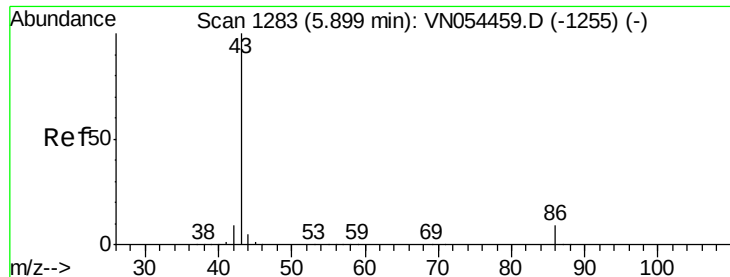
#22
Diisopropyl ether
Concen: 58.094 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 45 Resp: 888290
Ion Ratio Lower Upper
45 100
43 59.2 48.2 72.2
87 23.7 24.9 37.3#
59 10.6 9.5 14.3



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





#23

Vinyl Acetate

Concen: 294.481 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

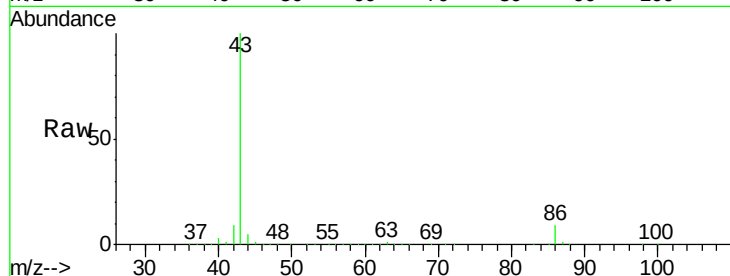
VSTDCCC050EC

Tot Ion: 43 Resp: 3180189

Ion Ratio Lower Upper

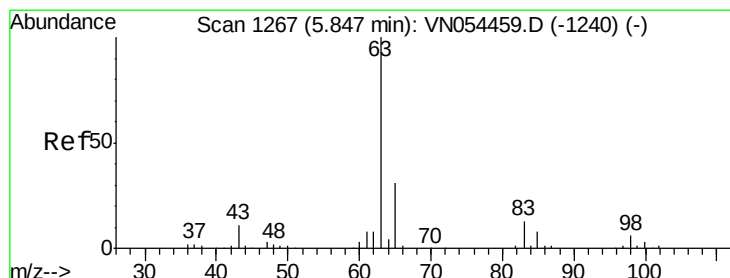
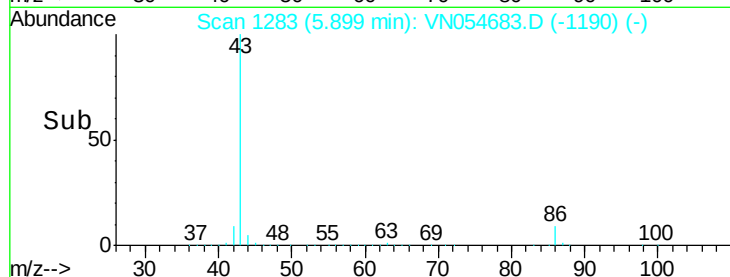
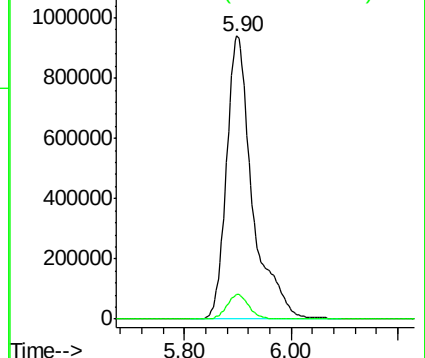
43 100

86 8.6 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 56.764 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

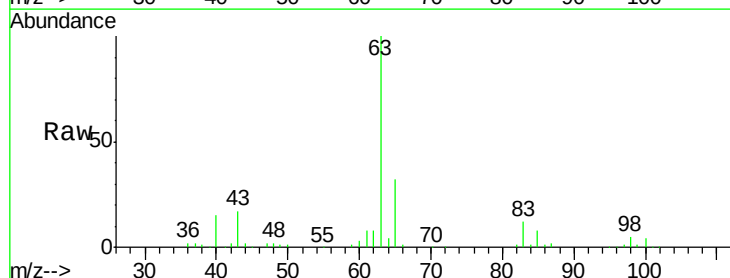
Tgt Ion: 63 Resp: 467336

Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.5

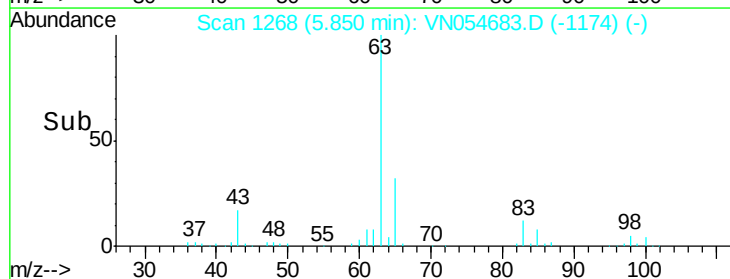
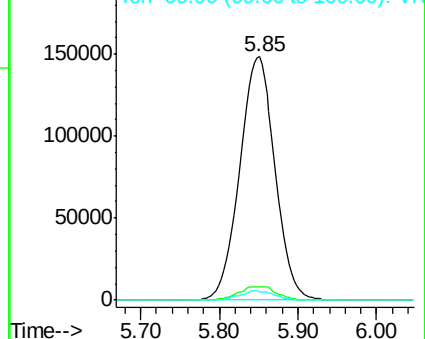
100 3.5 2.0 6.0

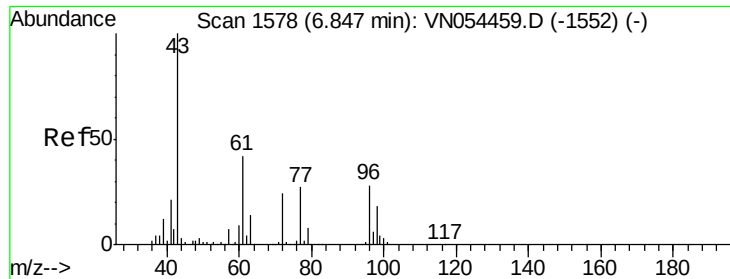


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 270.509 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

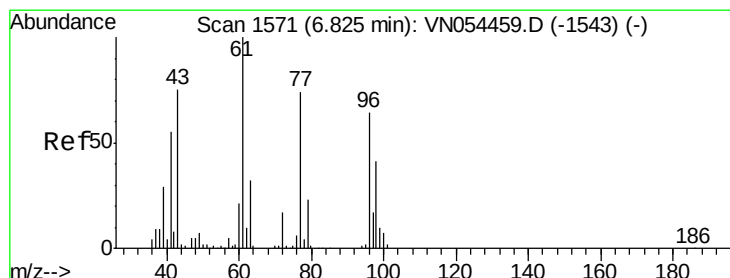
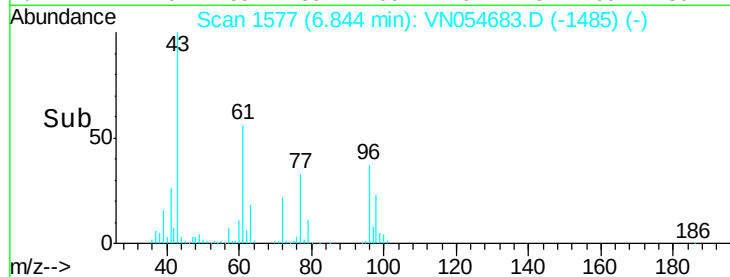
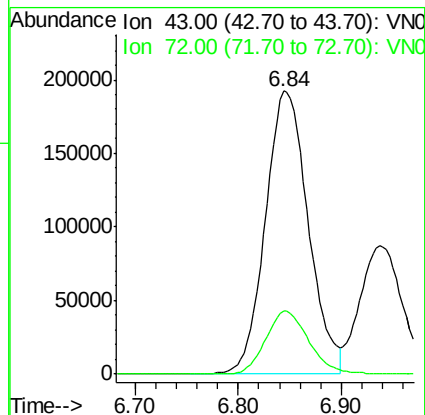
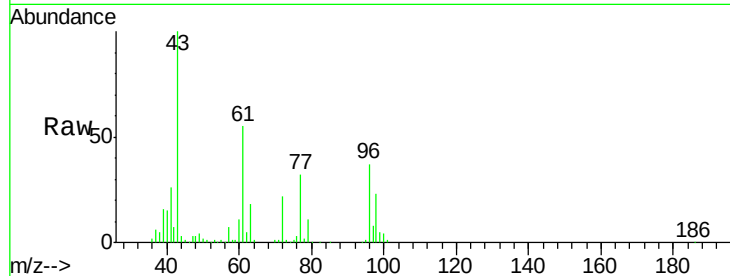
VSTDCCC050EC

Tot Ion: 43 Resp: 553077

Ion Ratio Lower Upper

43 100

72 22.2 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 51.485 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054683.D

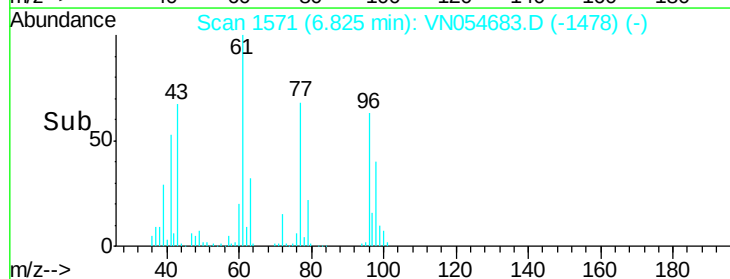
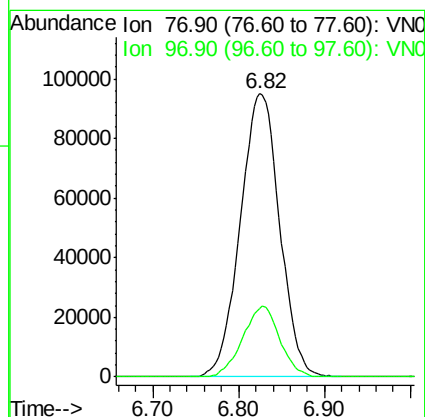
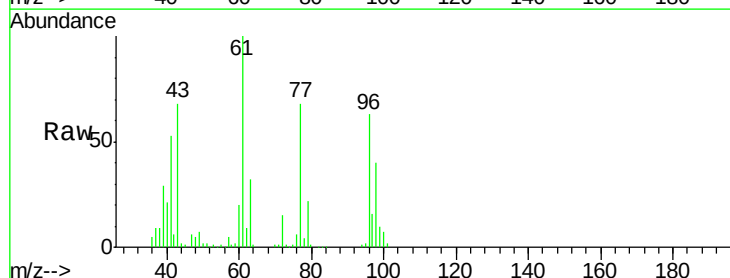
Acq: 25 Mar 2019 19:50

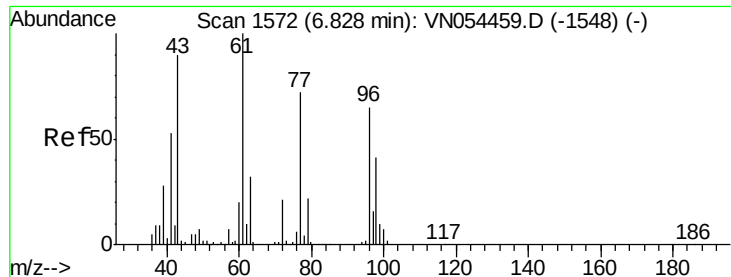
Tgt Ion: 77 Resp: 302157

Ion Ratio Lower Upper

77 100

97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.304 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

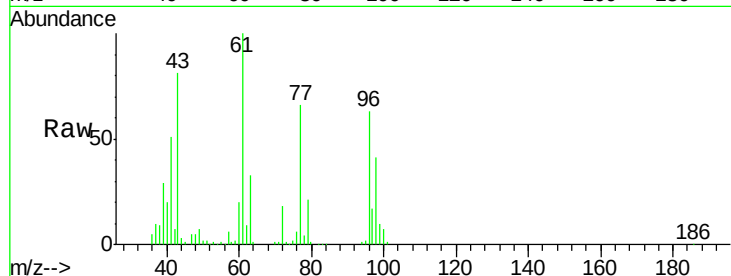
Tot Ion: 96 Resp: 262248

Ion Ratio Lower Upper

96 100

61 159.5 0.0 273.0

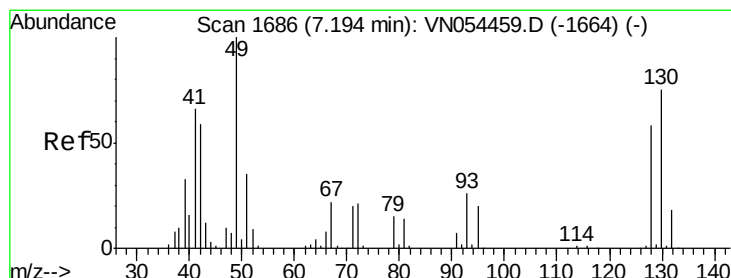
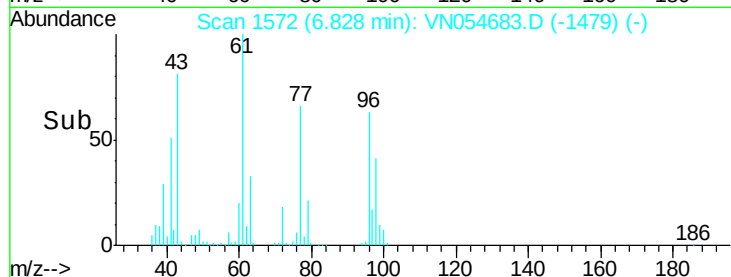
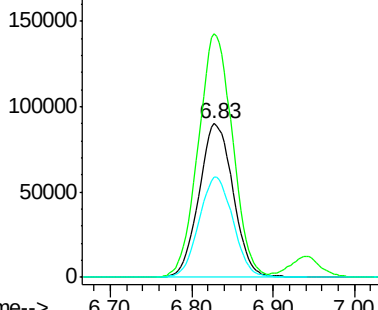
98 65.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054459.D (-1548) (-)

Ion 60.90 (60.60 to 61.60): VN054459.D (-1548) (-)

Ion 97.90 (97.60 to 98.60): VN054459.D (-1548) (-)



#28

Bromochloromethane

Concen: 56.570 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

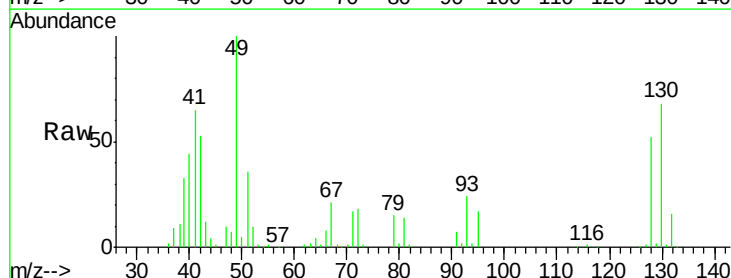
Tgt Ion: 49 Resp: 229247

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.6

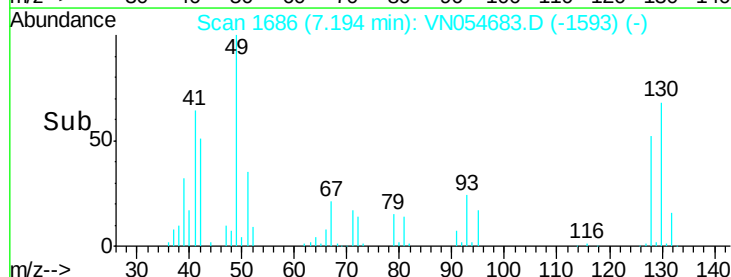
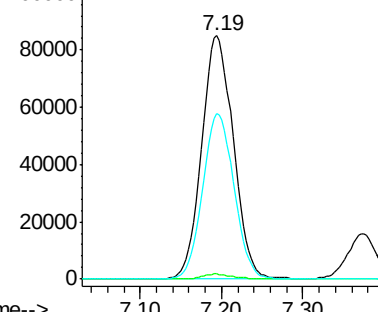
130 67.0 76.7 115.1#

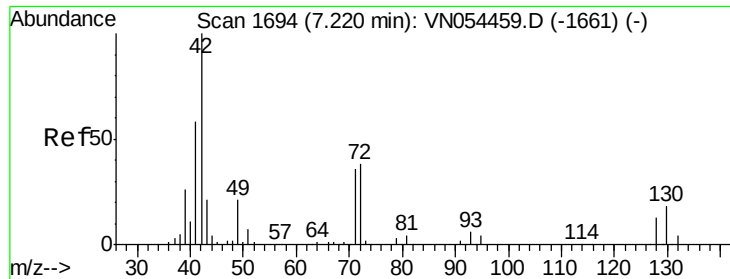


Abundance Ion 48.90 (48.60 to 49.60): VN054459.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN054459.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN054459.D (-1664) (-)





#29

Tetrahydrofuran

Concen: 282.193 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

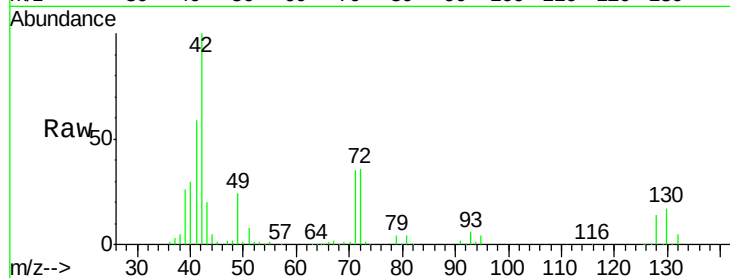
Tot Ion: 42 Resp: 374414

Ion Ratio Lower Upper

42 100

72 35.8 37.8 56.6#

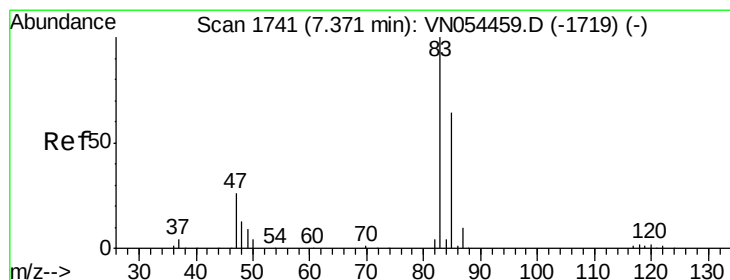
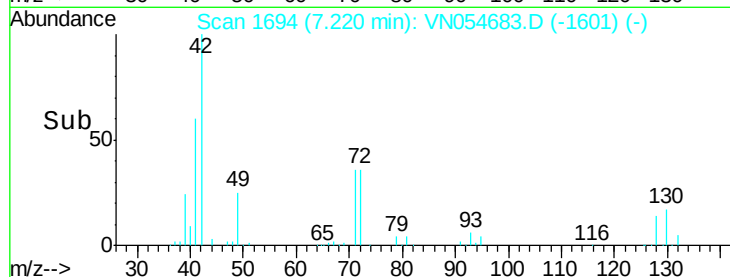
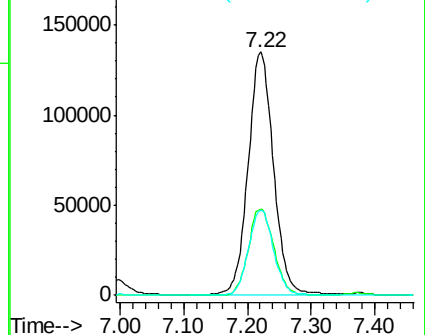
71 34.5 36.2 54.2#



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: 55.362 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN054683.D

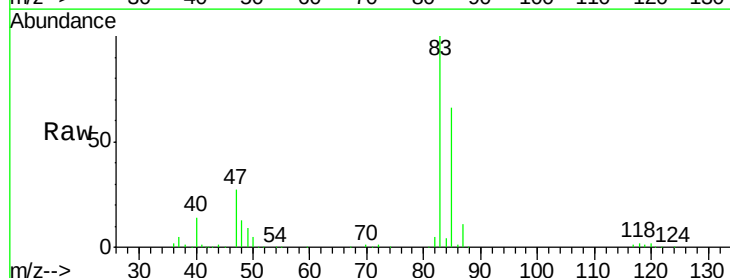
Acq: 25 Mar 2019 19:50

Tgt Ion: 83 Resp: 444814

Ion Ratio Lower Upper

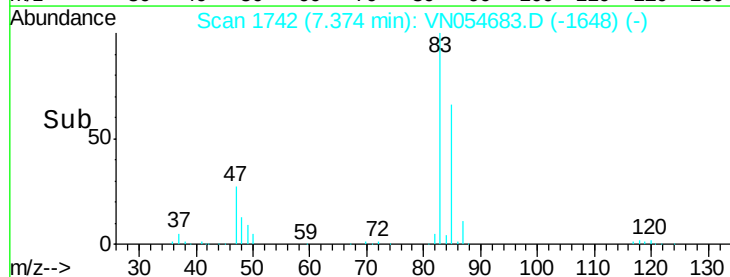
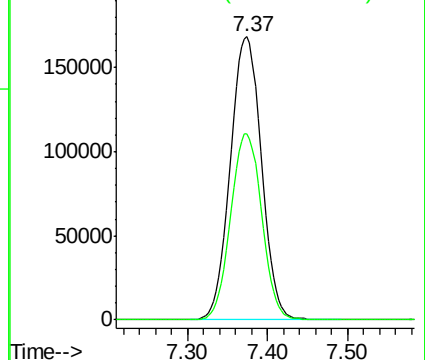
83 100

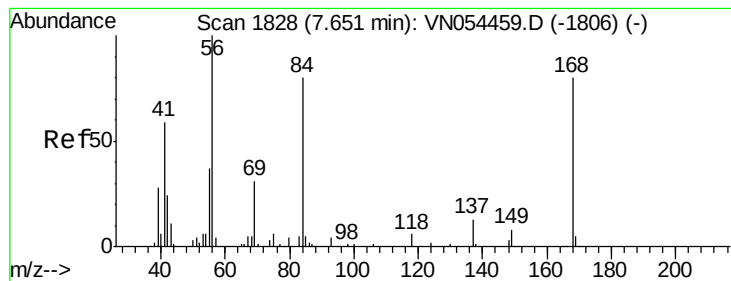
85 65.9 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 54.294 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

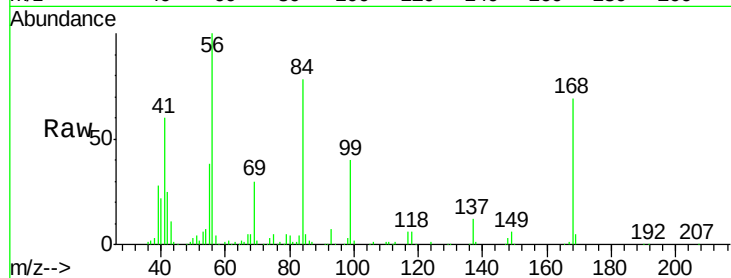
Tot Ion: 56 Resp: 427063

Ion Ratio Lower Upper

56 100

69 30.2 27.8 41.6

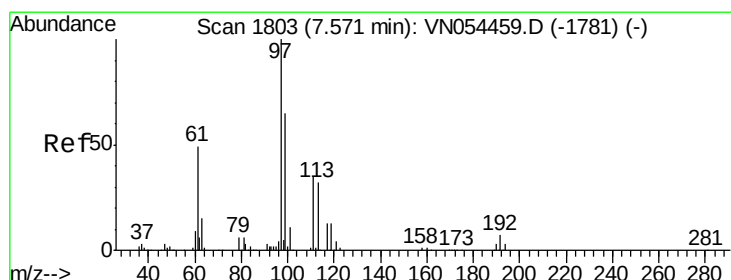
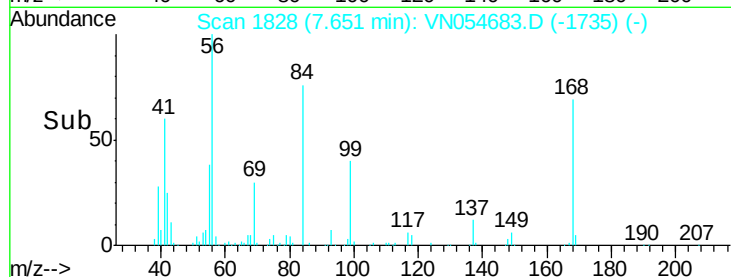
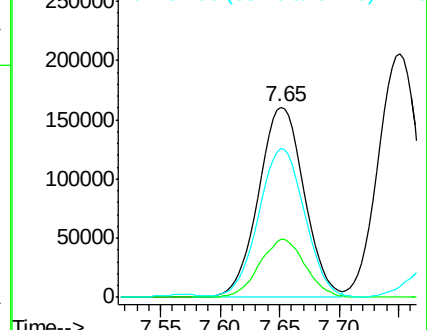
84 76.7 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 55.944 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

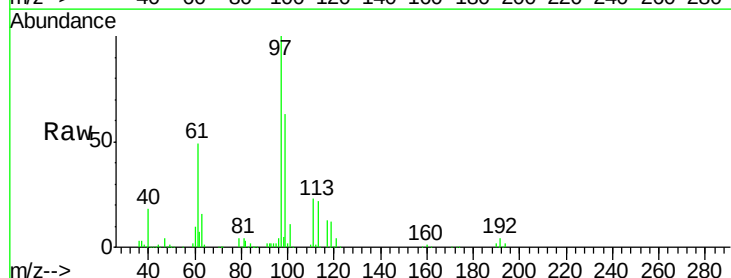
Tgt Ion: 97 Resp: 370833

Ion Ratio Lower Upper

97 100

99 63.8 51.5 77.3

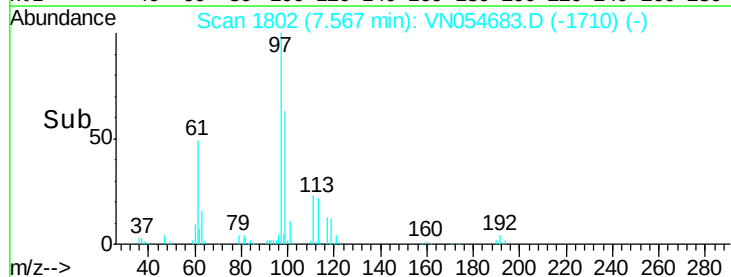
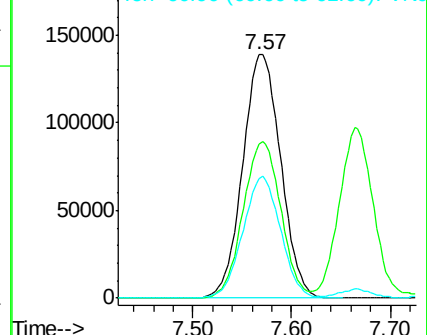
61 49.4 33.6 50.4

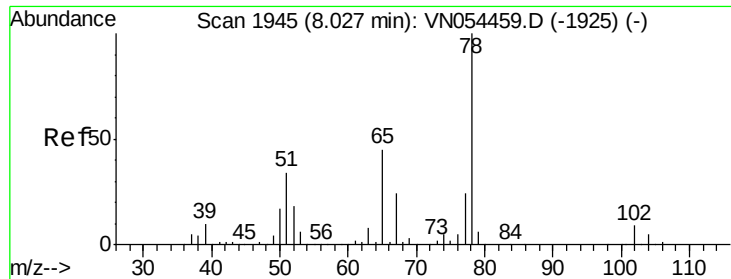


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

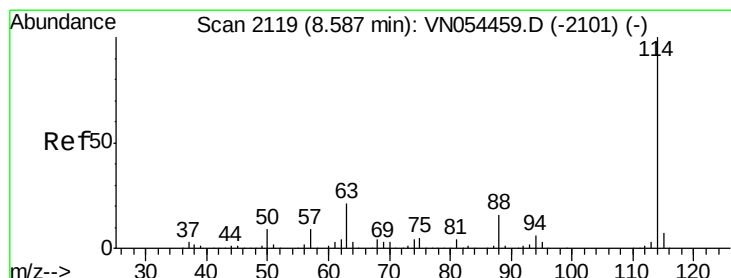
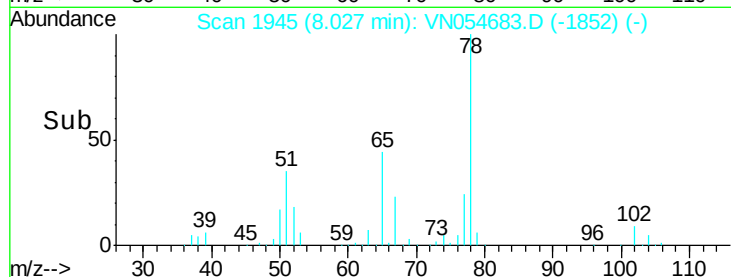
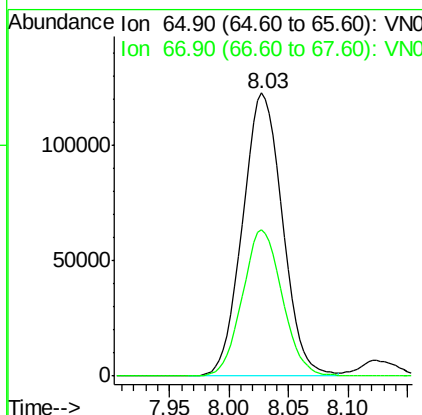
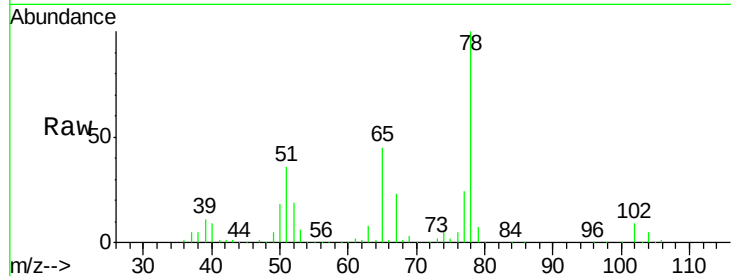




#33
 1,2-Dichloroethane-d4
 Concen: 53.834 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

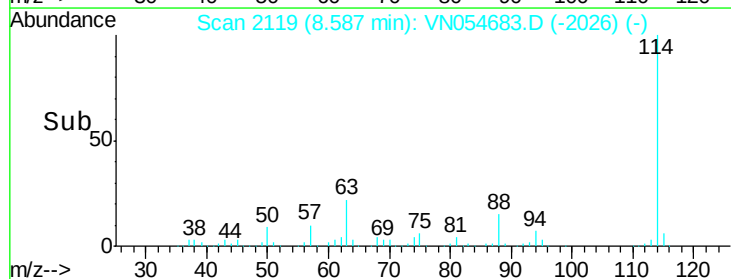
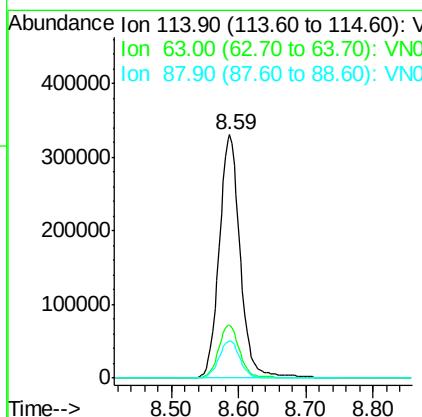
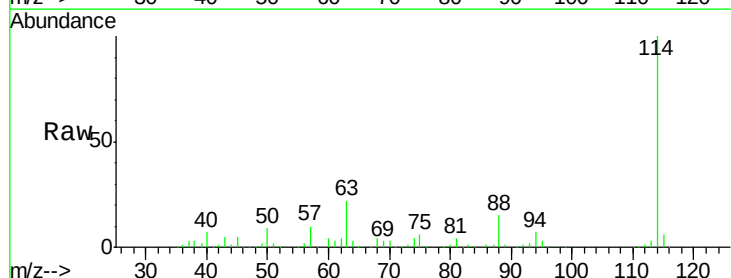
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

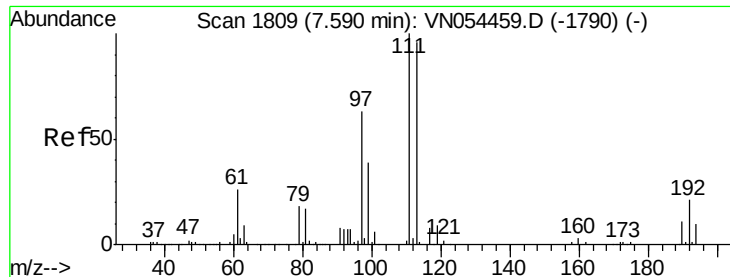
Tot Ion: 65 Resp: 285793
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 114 Resp: 720949
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 35.2
 88 15.3 0.0 30.2

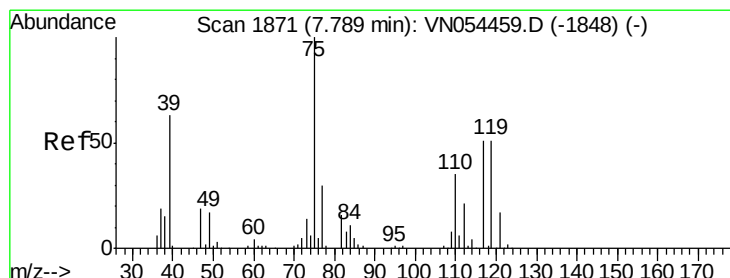
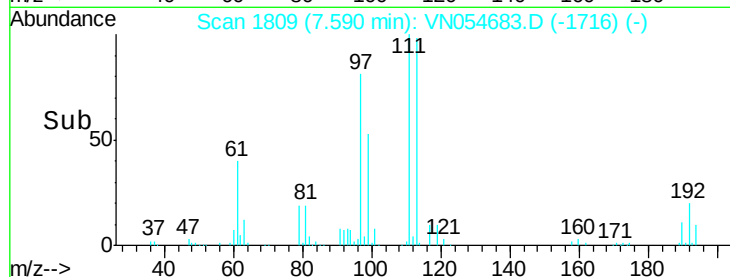
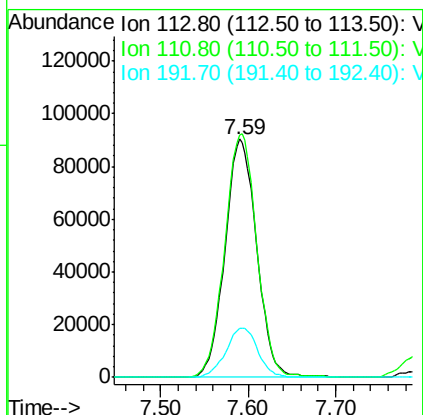
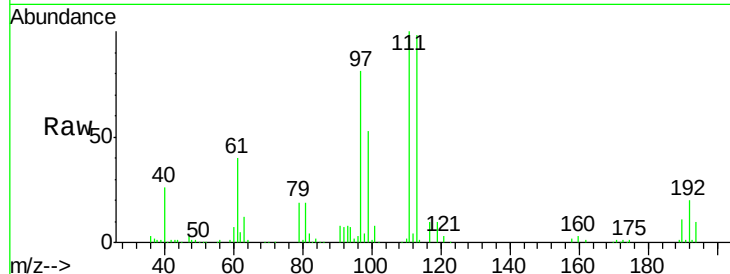




#35
 Dibromofluoromethane
 Concen: 48.952 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

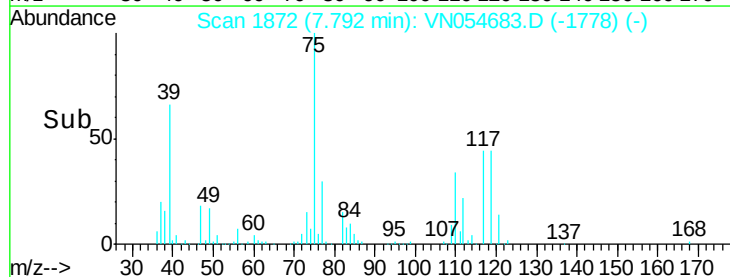
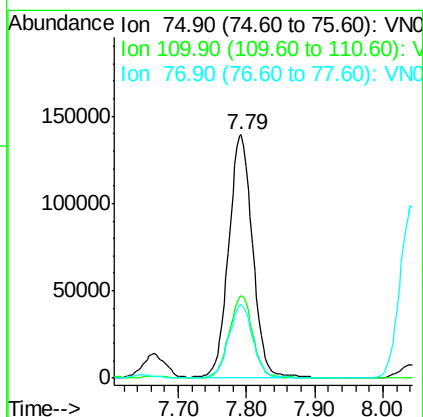
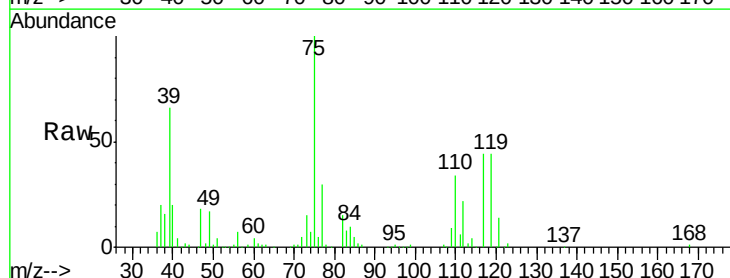
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

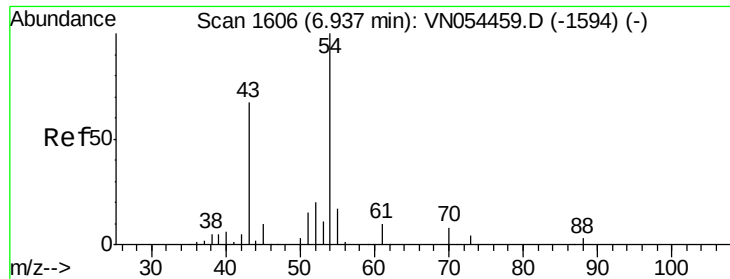
Tot Ion:113 Resp: 227369
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 20.8 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 50.314 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 75 Resp: 339161
 Ion Ratio Lower Upper
 75 100
 110 33.4 19.1 57.5
 77 30.3 25.0 37.4

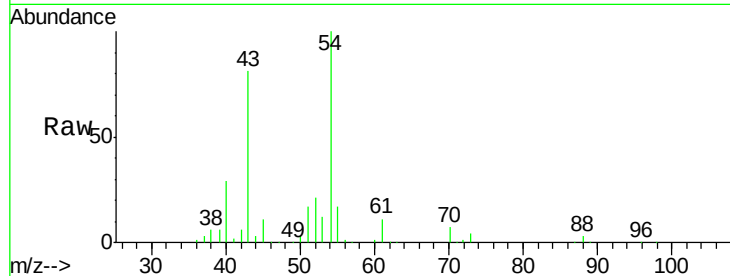




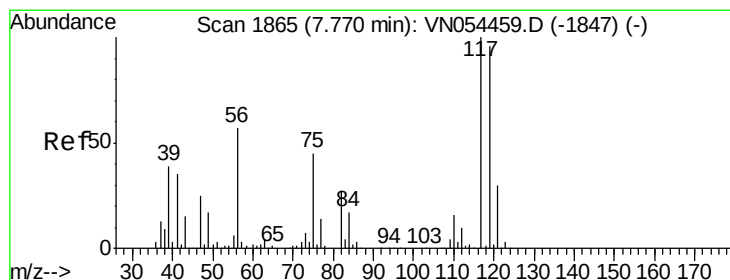
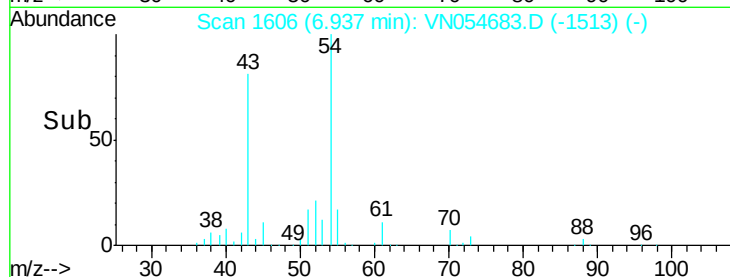
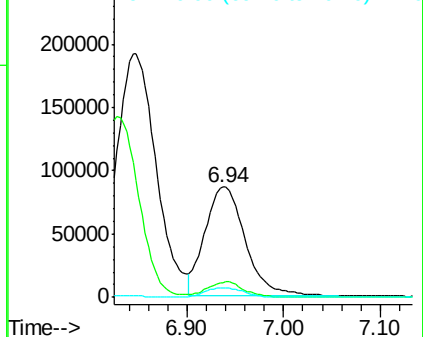
#37
Ethyl Acetate
Concen: 52.280 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 250653
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 8.6 8.4 12.6

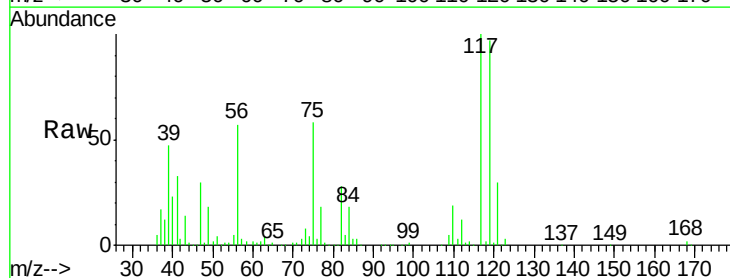


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

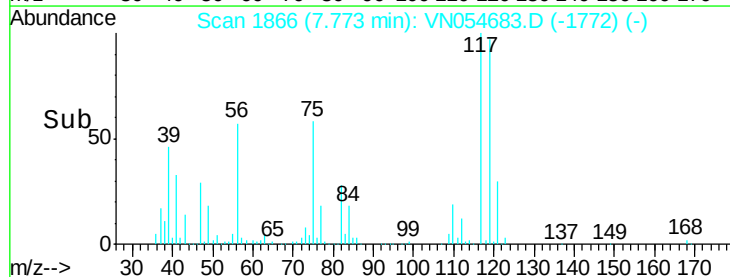
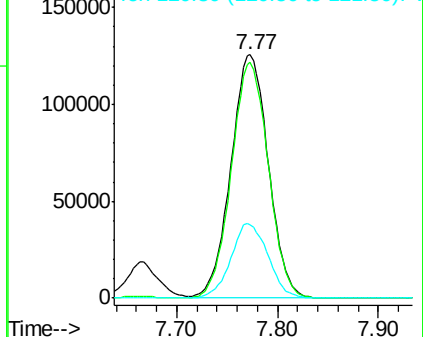


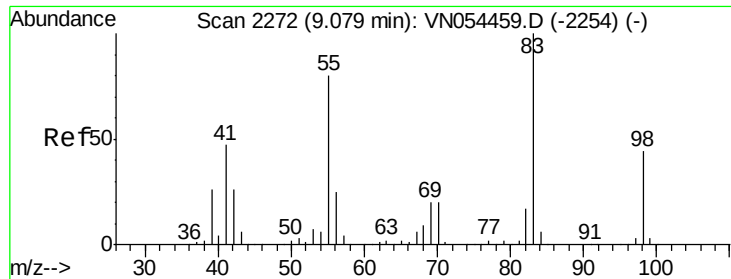
#38
Carbon Tetrachloride
Concen: 49.223 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 117 Resp: 322441
Ion Ratio Lower Upper
117 100
119 96.8 76.3 114.5
121 30.3 24.6 36.8



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

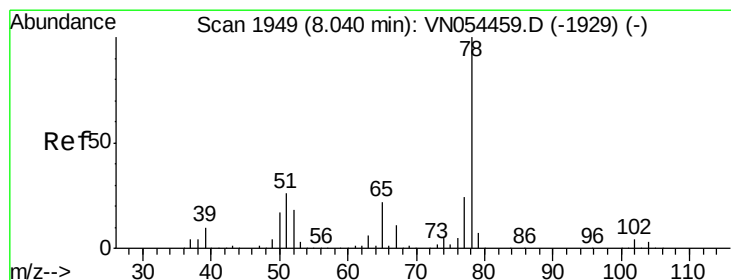
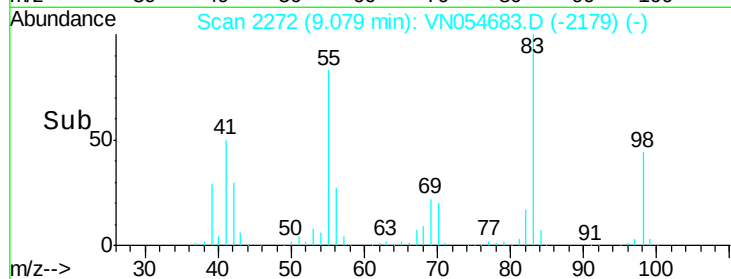
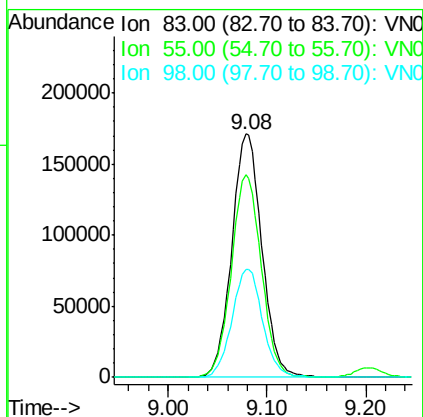
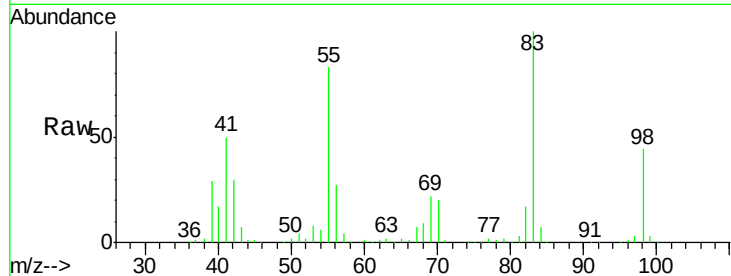




#39
Methylvlcyclohexane
Concen: 47.139 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

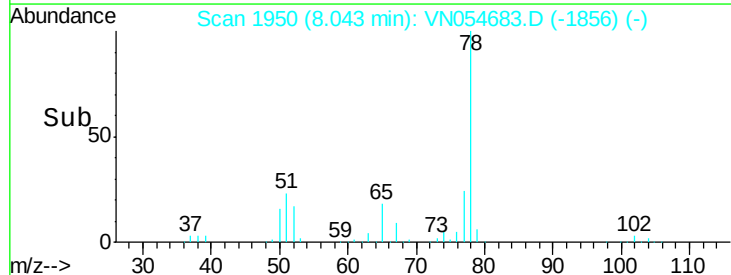
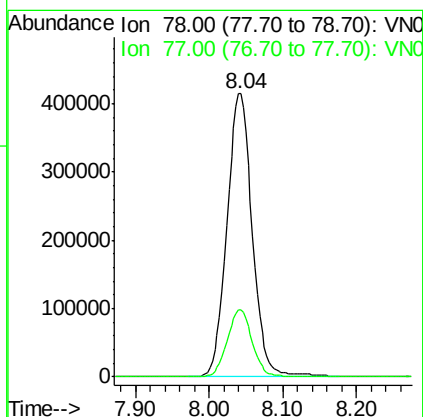
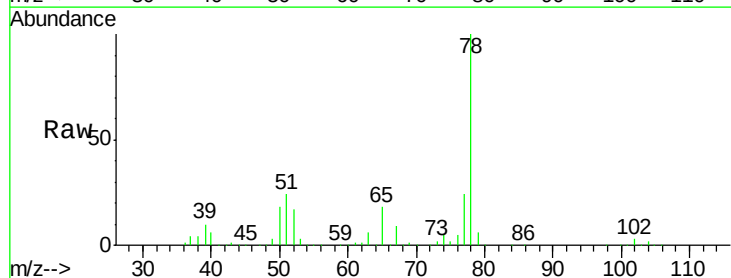
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

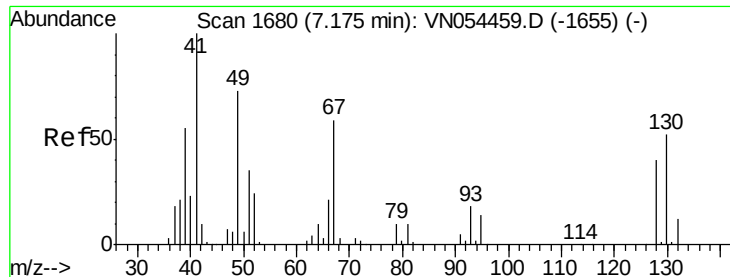
Tot Ion: 83 Resp: 363487
Ion Ratio Lower Upper
83 100
55 83.3 56.6 84.8
98 44.3 38.4 57.6



#40
Benzene
Concen: 51.350 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 78 Resp: 989828
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7

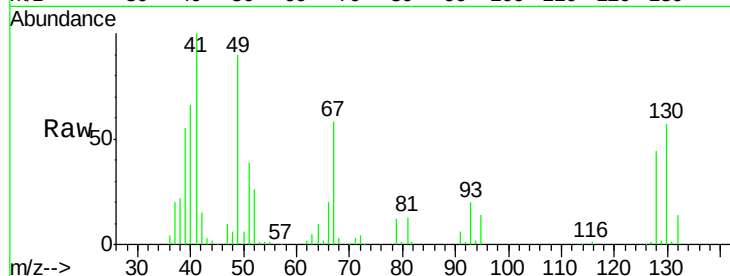




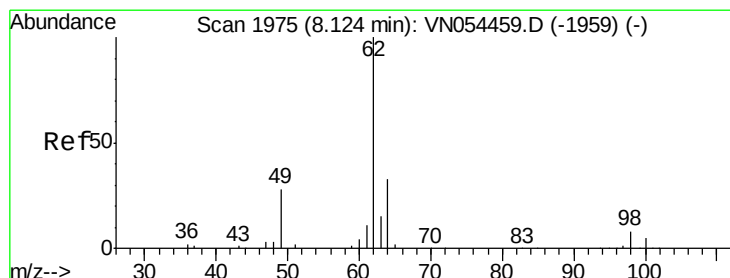
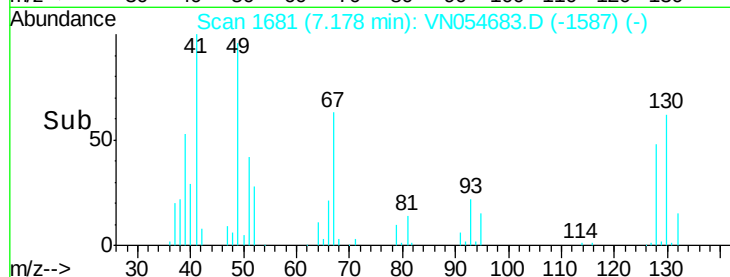
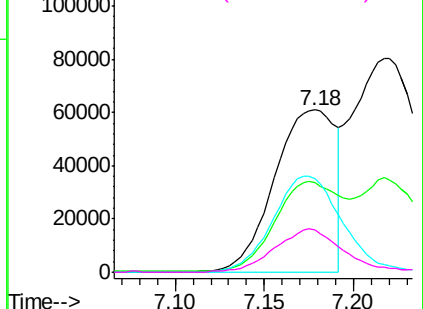
#41
Methacrylonitrile
Concen: 49.375 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 144367
Ion Ratio Lower Upper
41 100
39 61.2 46.8 70.2
67 67.7 67.0 100.4
52 29.3 26.5 39.7

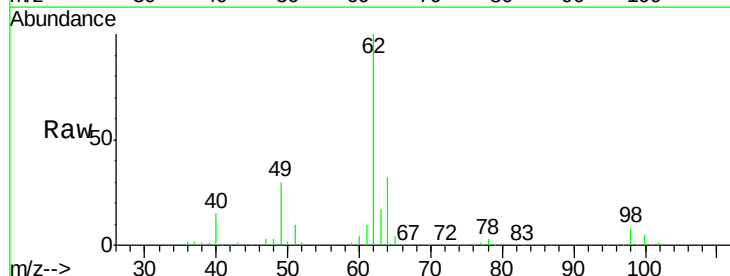


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

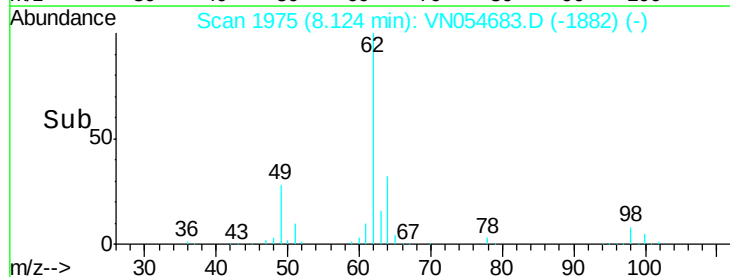
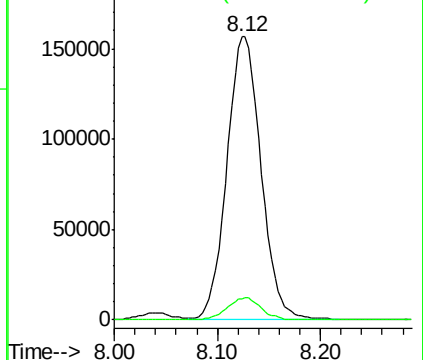


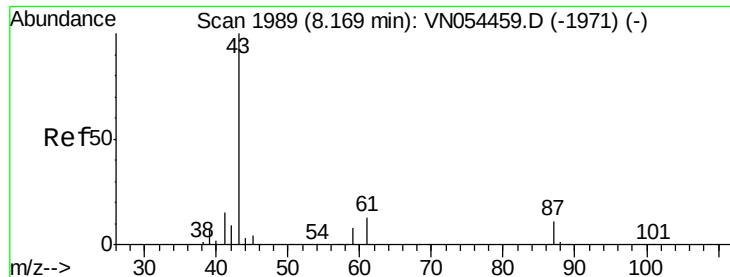
#42
1,2-Dichloroethane
Concen: 51.198 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 62 Resp: 359407
Ion Ratio Lower Upper
62 100
98 7.9 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 55.916 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

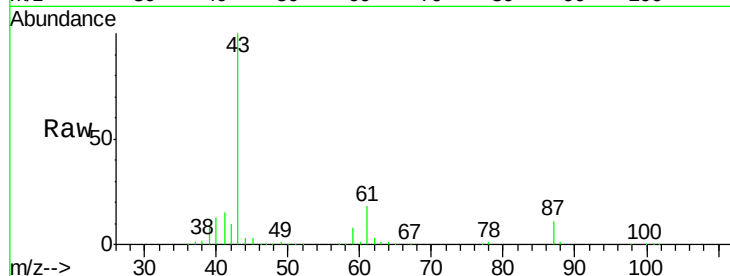
Tot Ion: 43 Resp: 452751

Ion Ratio Lower Upper

43 100

61 17.6 15.8 23.8

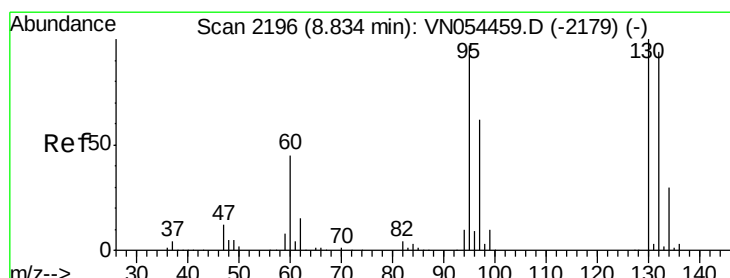
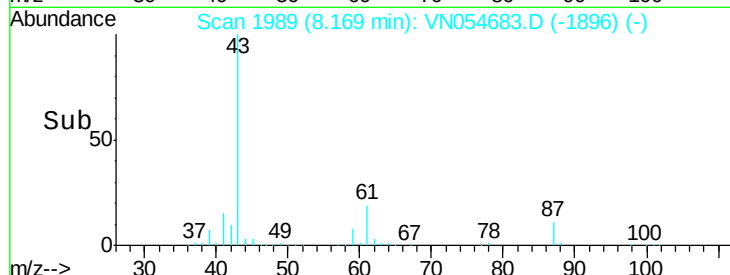
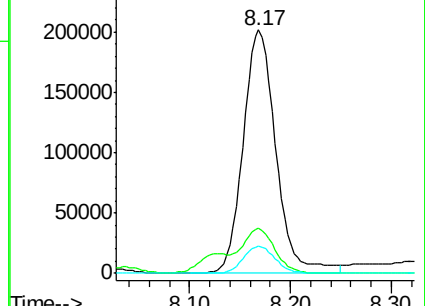
87 10.8 12.0 18.0#



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: 47.997 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN054683.D

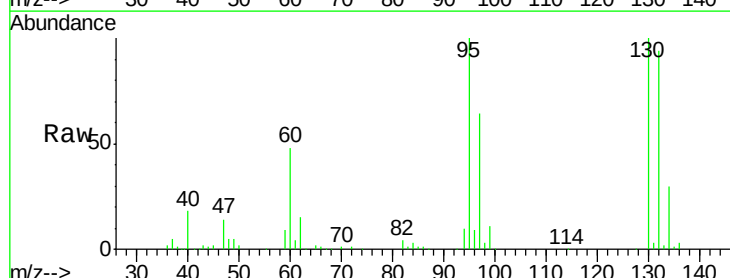
Acq: 25 Mar 2019 19:50

Tgt Ion: 130 Resp: 257223

Ion Ratio Lower Upper

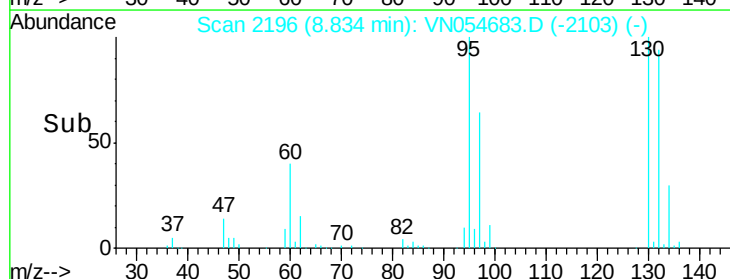
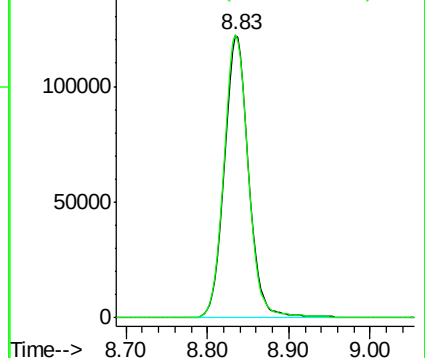
130 100

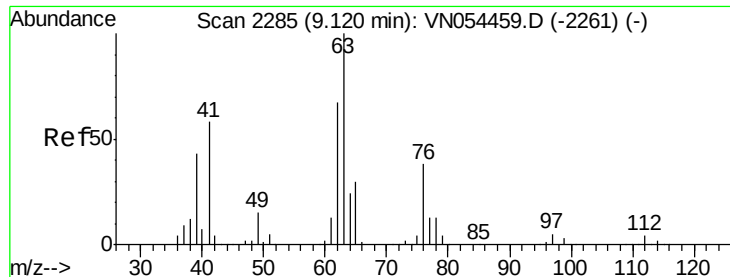
95 100.3 0.0 185.2



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

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

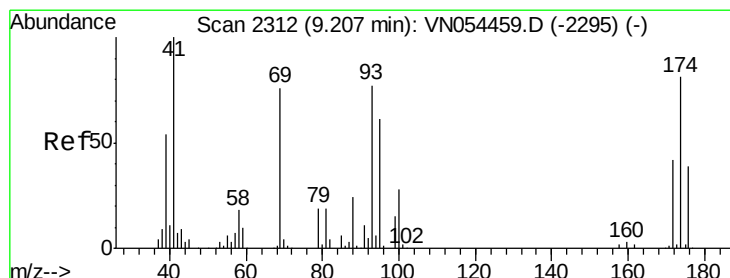
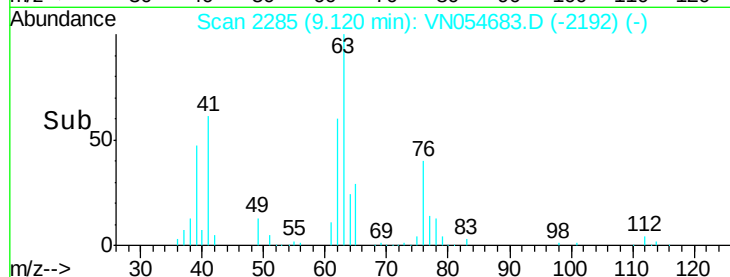
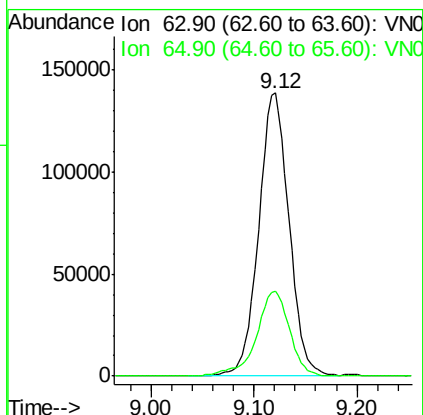
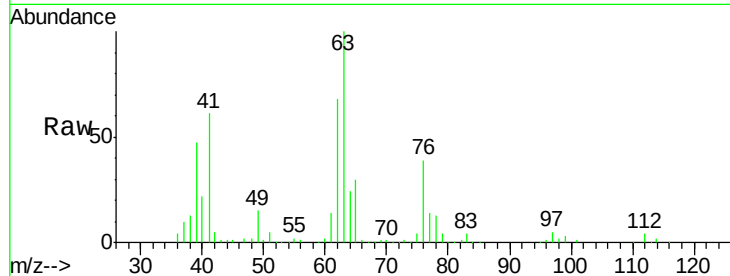




#45
 1,2-Dichloropropane
 Concen: 54.560 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

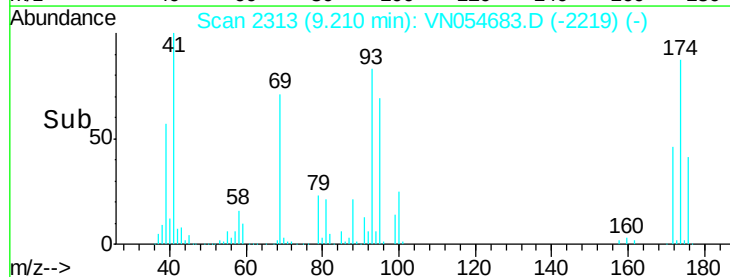
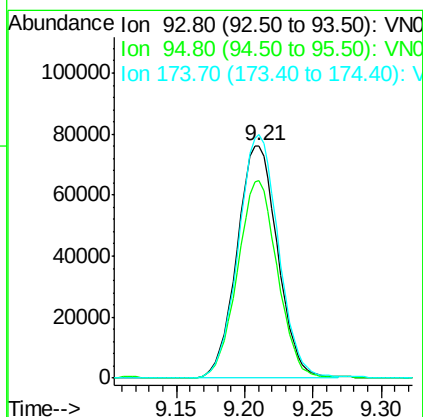
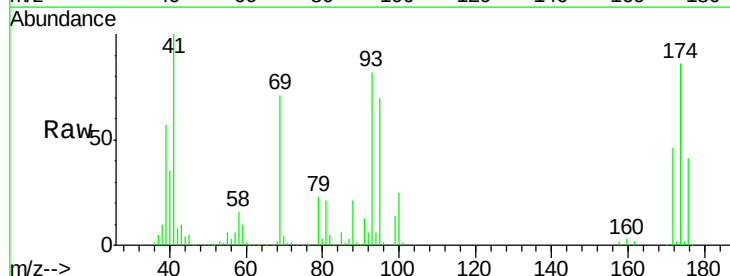
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

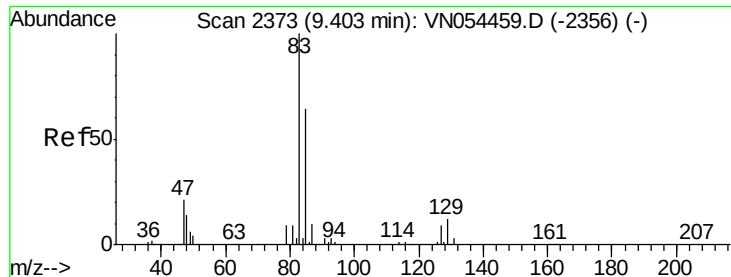
Tot Ion: 63 Resp: 282404
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6



#46
 Dibromomethane
 Concen: 51.053 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 93 Resp: 157646
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 104.0 98.5 147.7

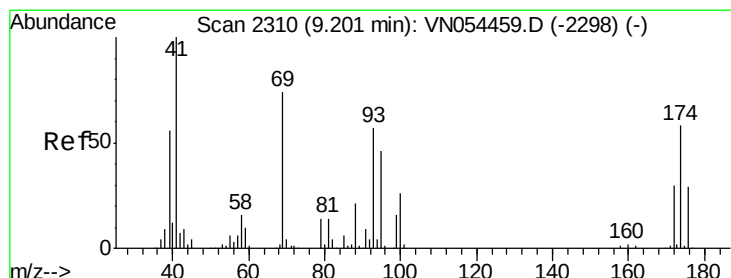
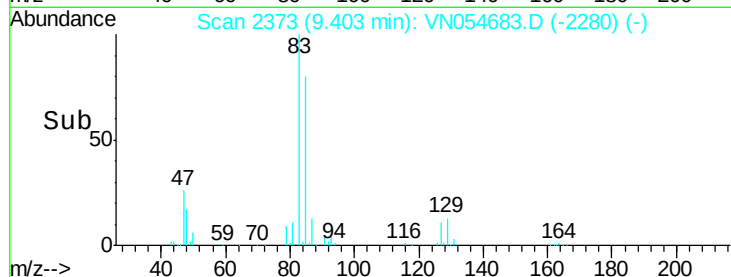
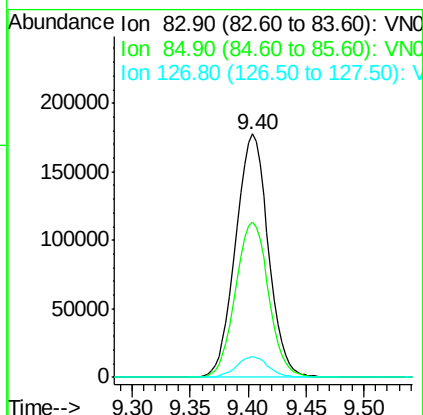
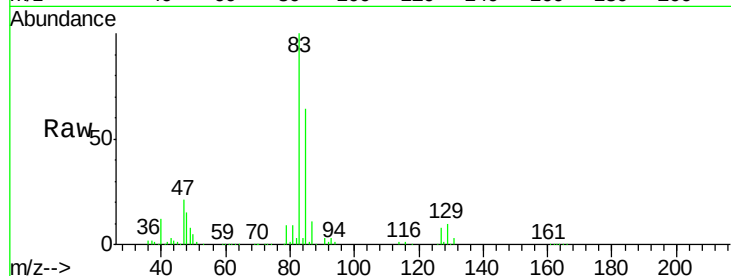




#47
Bromodichloromethane
Concen: 54.249 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

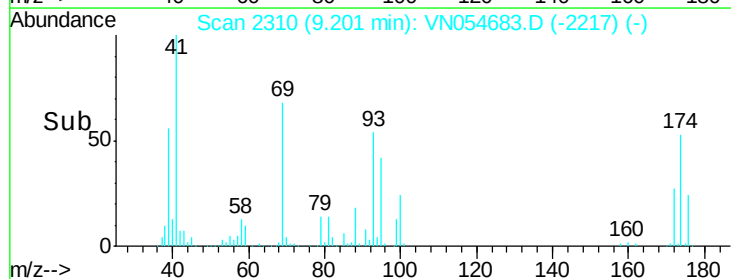
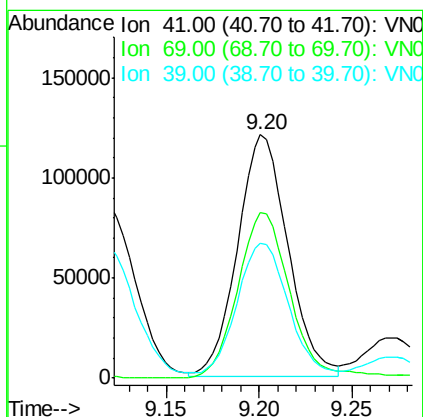
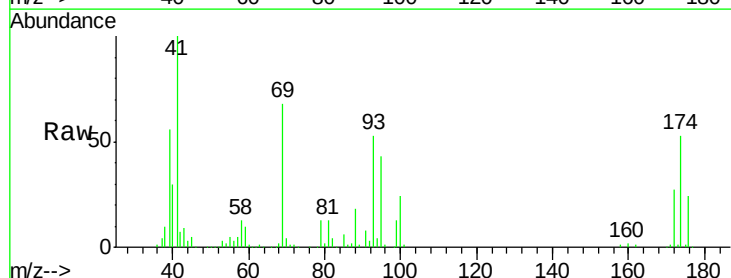
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

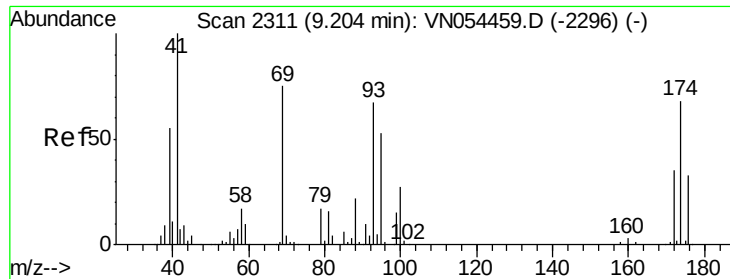
Tot Ion: 83 Resp: 347654
Ion Ratio Lower Upper
83 100
85 63.8 52.8 79.2
127 8.4 7.4 11.2



#48
Methyl methacrylate
Concen: 51.894 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 41 Resp: 228060
Ion Ratio Lower Upper
41 100
69 71.3 72.6 108.8#
39 56.9 47.5 71.3





#49

1,4-Dioxane

Concen: 912.704 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

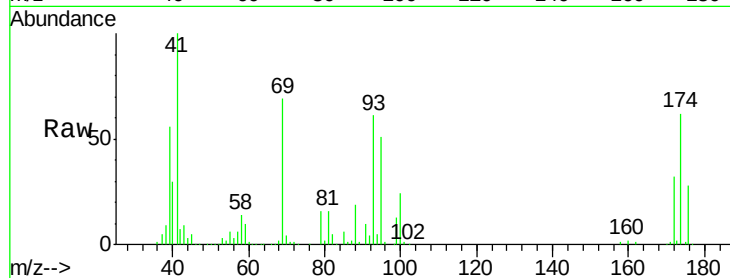
Tot Ion: 88 Resp: 44842

Ion Ratio Lower Upper

88 100

43 41.7 24.1 36.1#

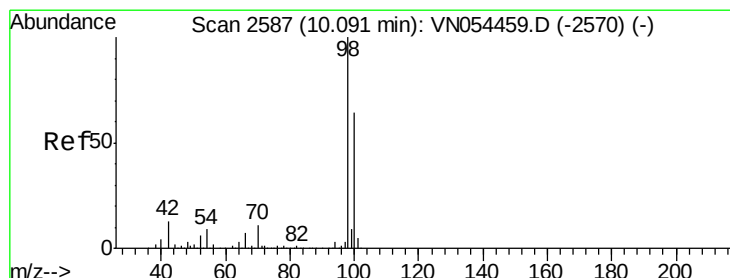
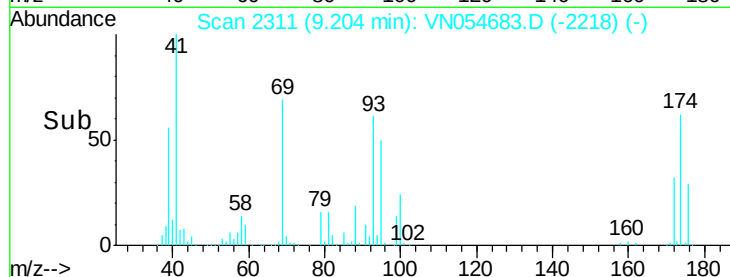
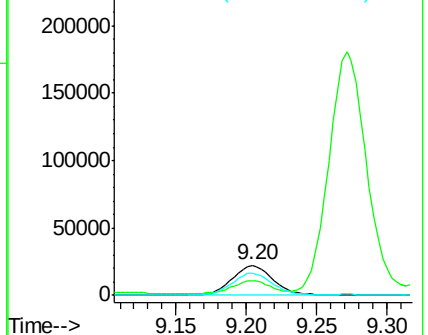
58 75.0 50.8 76.2



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: 48.245 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054683.D

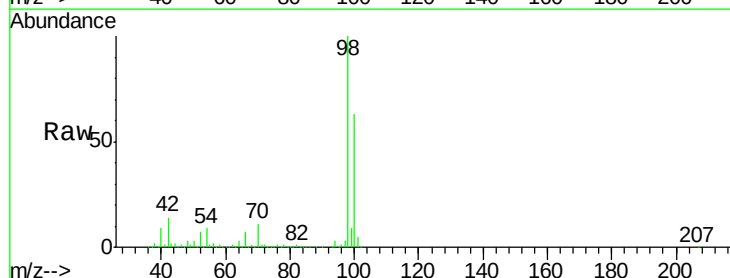
Acq: 25 Mar 2019 19:50

Tgt Ion: 98 Resp: 842425

Ion Ratio Lower Upper

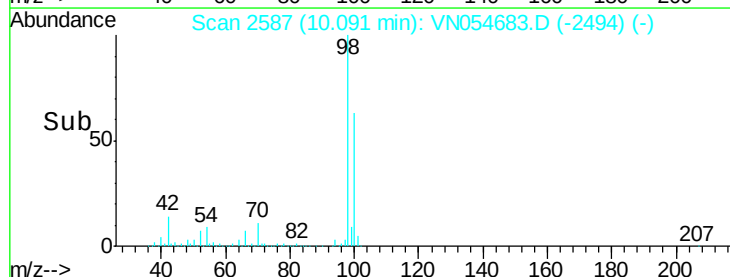
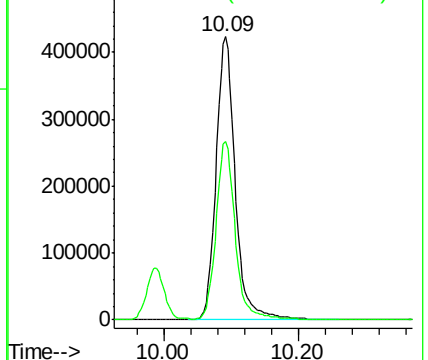
98 100

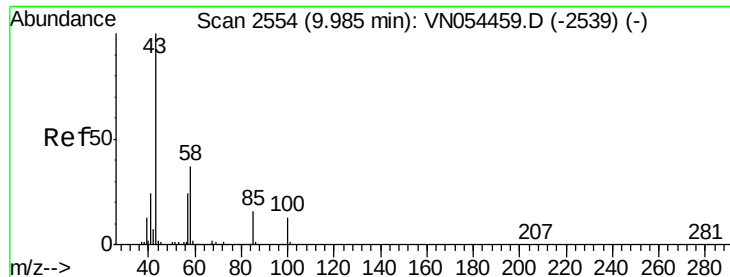
100 63.1 51.2 76.8



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: 271.345 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

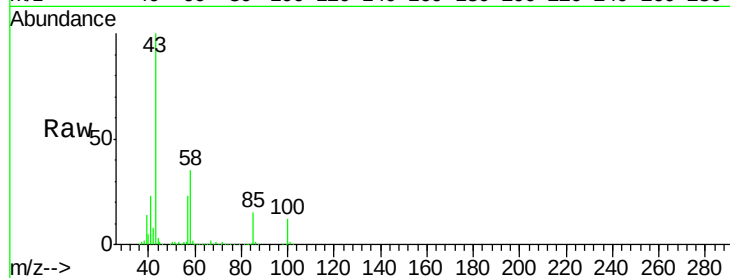
VSTDCCC050EC

Tot Ion: 43 Resp: 1217636

Ion Ratio Lower Upper

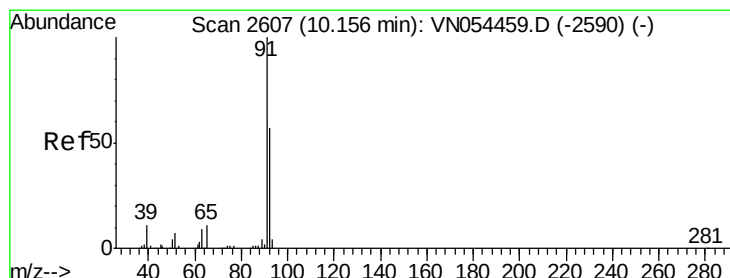
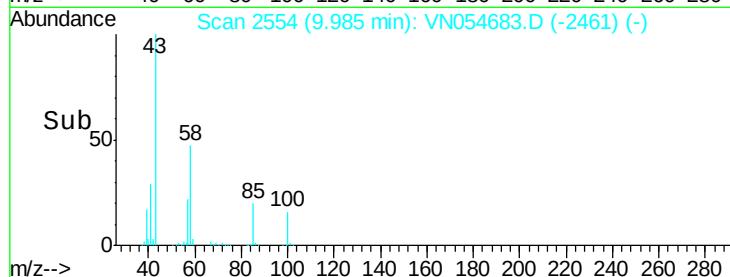
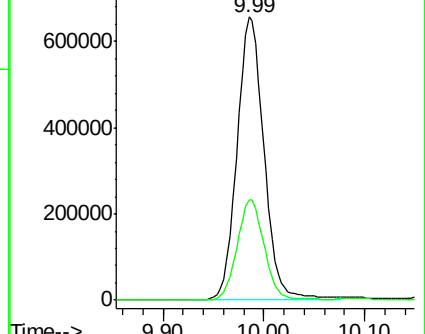
43 100

58 35.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 50.192 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054683.D

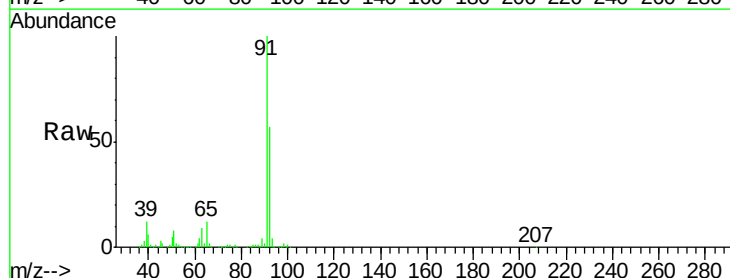
Acq: 25 Mar 2019 19:50

Tgt Ion: 92 Resp: 595060

Ion Ratio Lower Upper

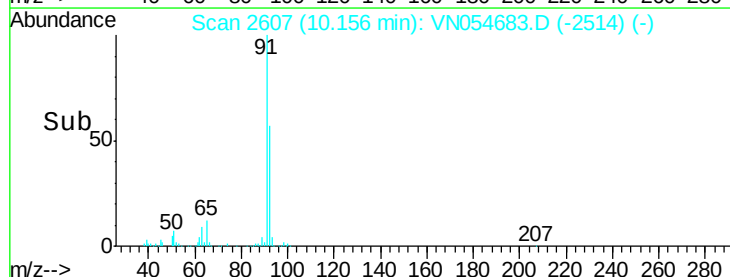
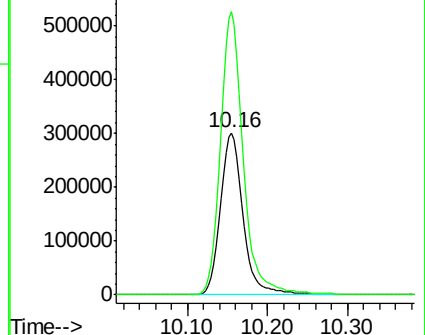
92 100

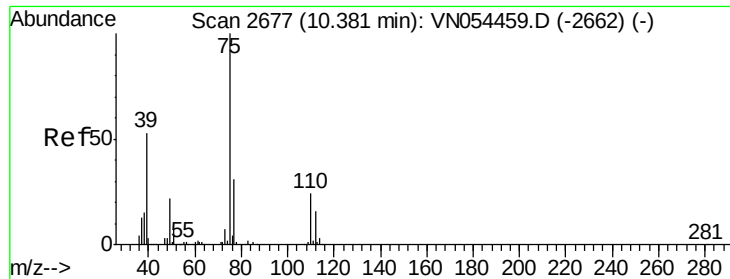
91 174.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.825 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

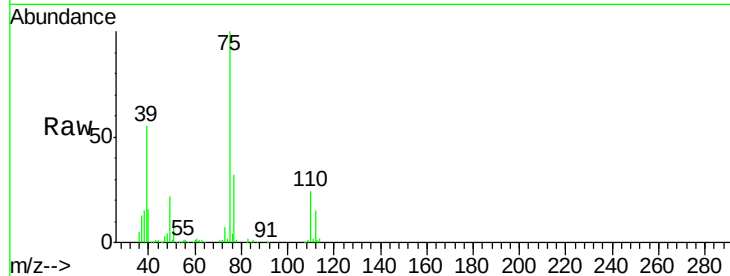
VSTDCCC050EC

Tot Ion: 75 Resp: 329698

Ion Ratio Lower Upper

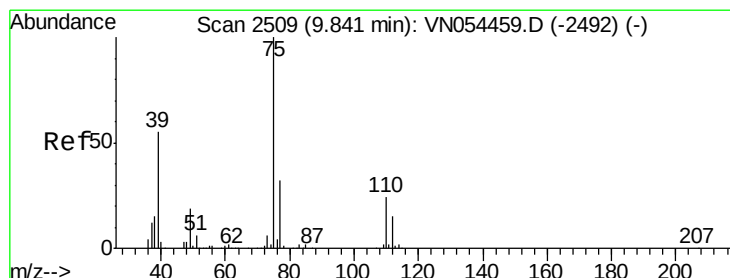
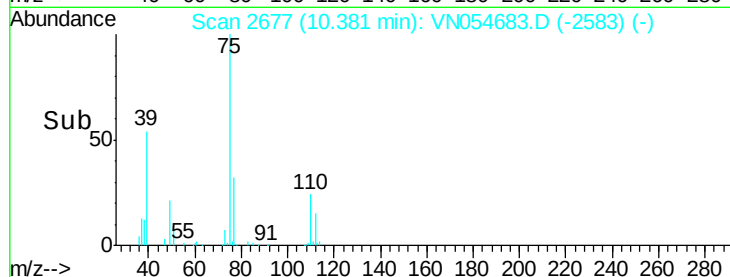
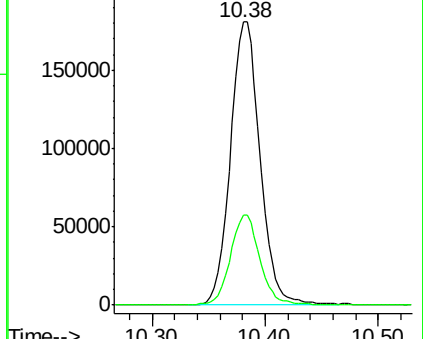
75 100

77 31.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 53.889 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

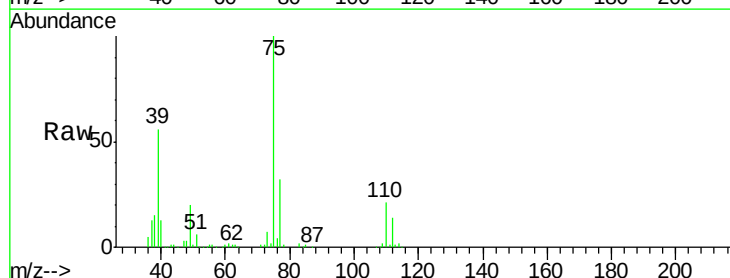
Tgt Ion: 75 Resp: 395975

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.0

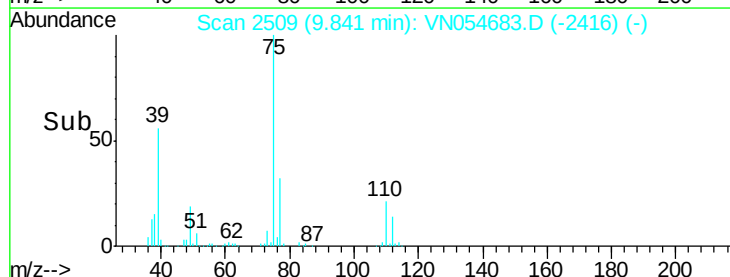
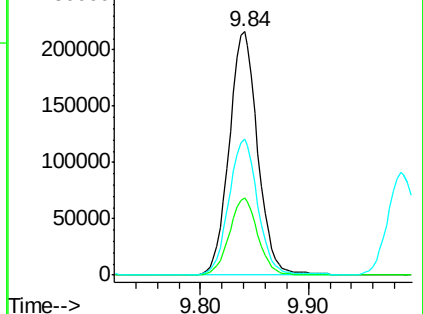
39 55.9 37.2 55.8#

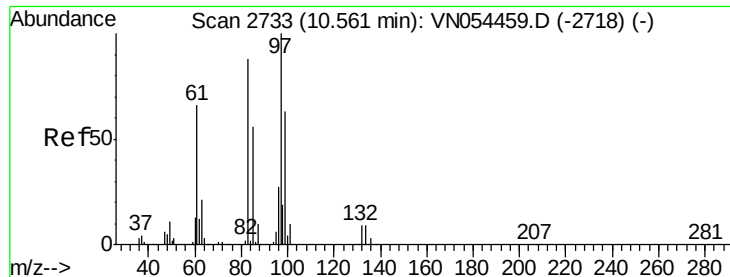


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.503 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

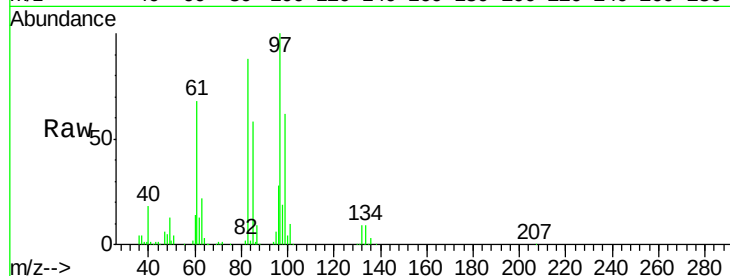
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 219489

Ion	Ratio	Lower	Upper
97	100		
83	88.5	66.6	100.0
85	57.8	44.4	66.6
99	61.7	50.8	76.2

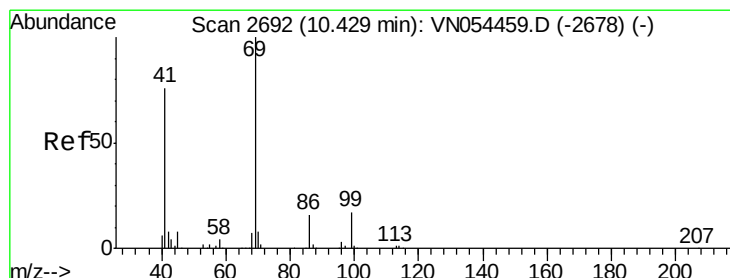
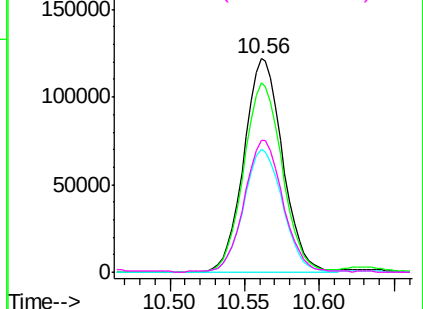
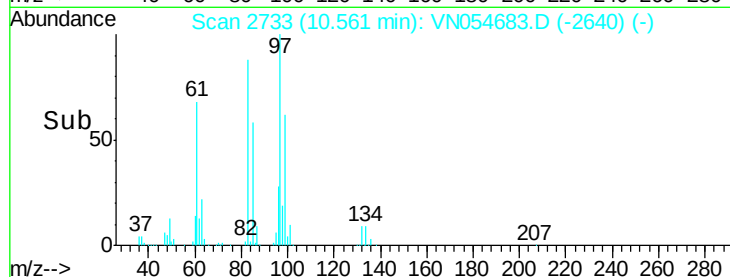


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.686 ug/l

RT: 10.43 min Scan# 2692

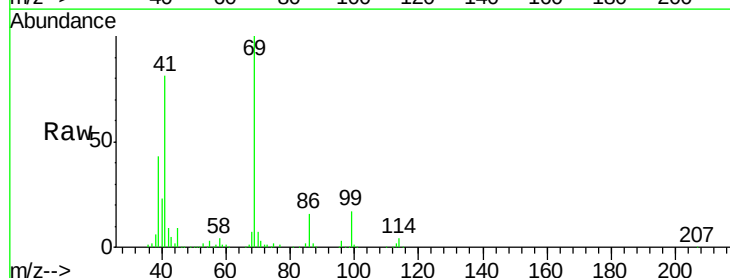
Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion: 69 Resp: 301367

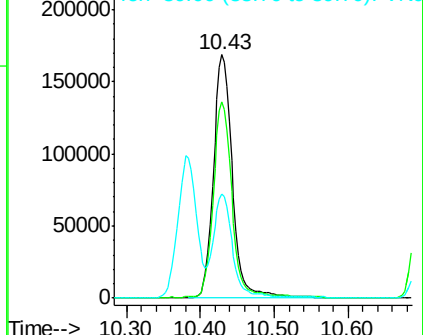
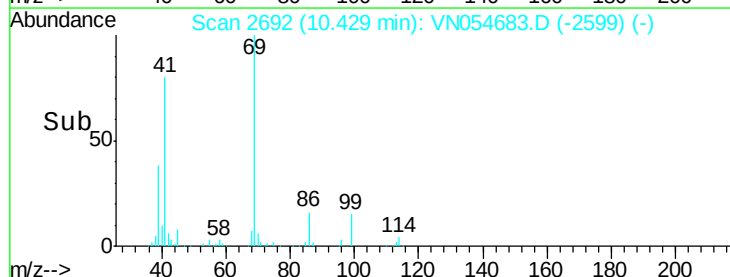
Ion	Ratio	Lower	Upper
69	100		
41	77.4	49.4	74.2#
39	41.8	28.3	42.5

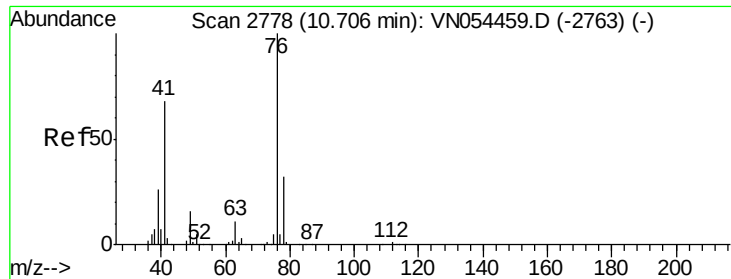


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.811 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

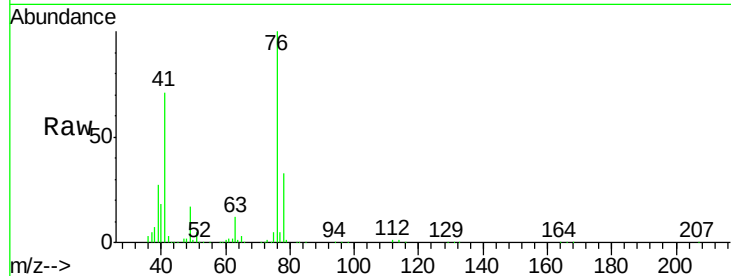
VSTDCCC050EC

Tot Ion: 76 Resp: 391233

Ion Ratio Lower Upper

76 100

78 32.3 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

250000

200000

150000

100000

50000

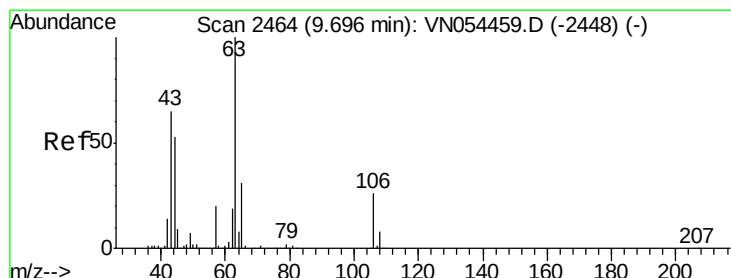
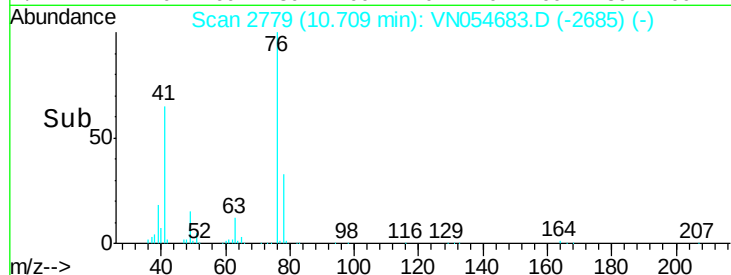
0

10.60

10.70

10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 229.018 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054683.D

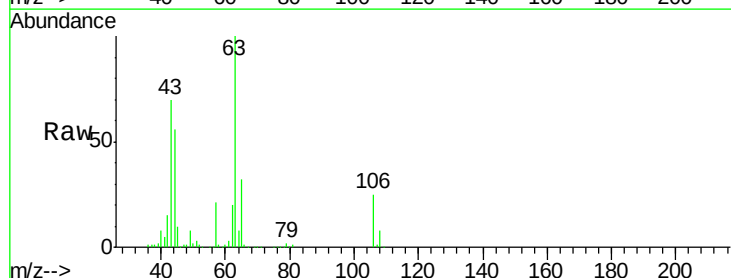
Acq: 25 Mar 2019 19:50

Tgt Ion: 63 Resp: 539424

Ion Ratio Lower Upper

63 100

106 25.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

300000

200000

100000

0

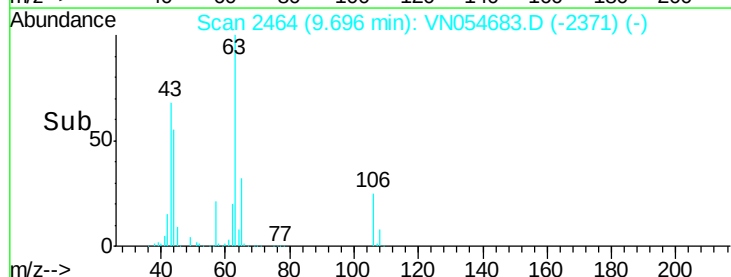
9.60

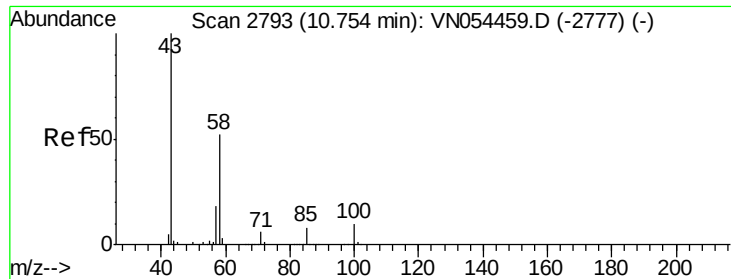
9.65

9.70

9.75

Time-->

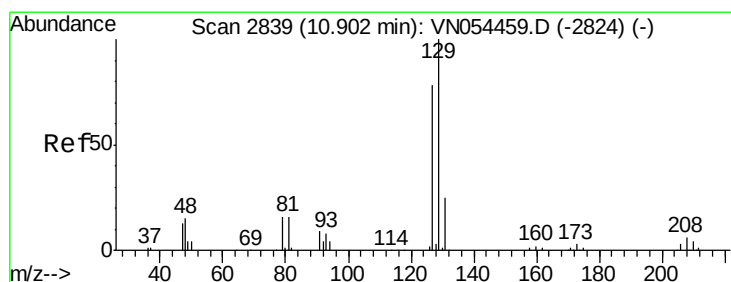
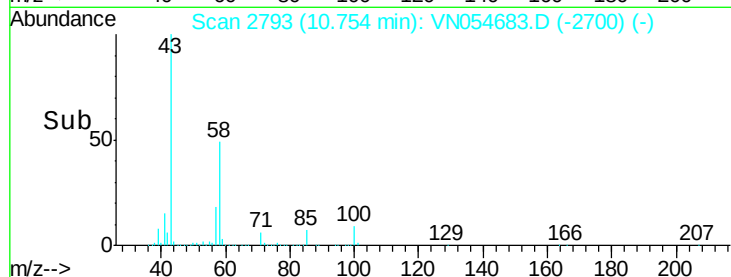
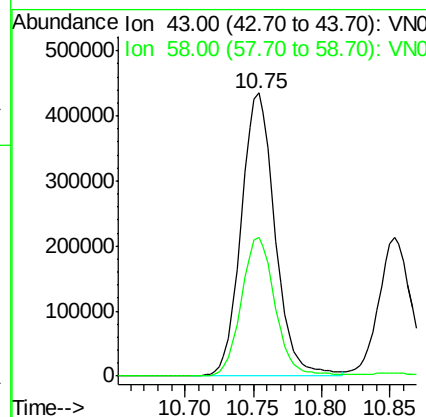
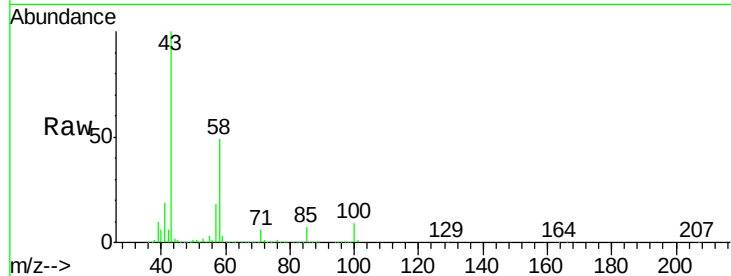




#59
2-Hexanone
Concen: 254.750 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

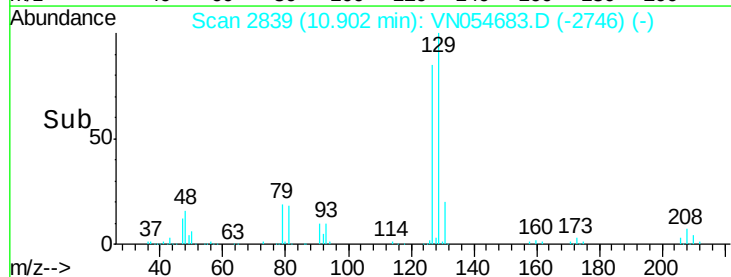
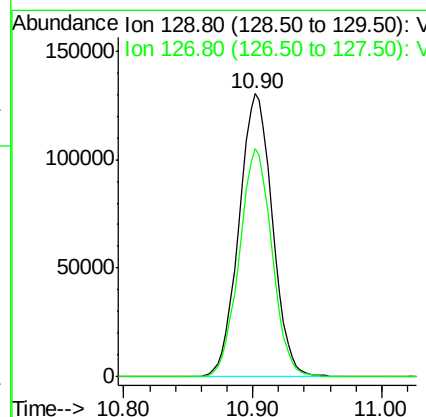
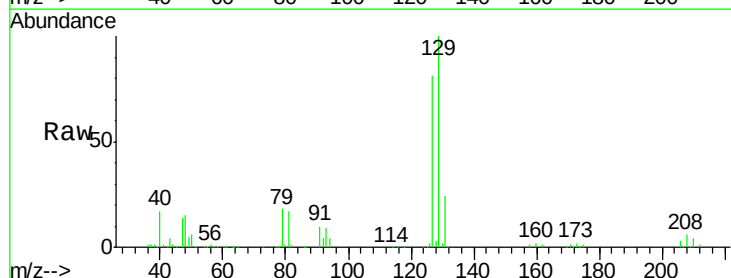
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

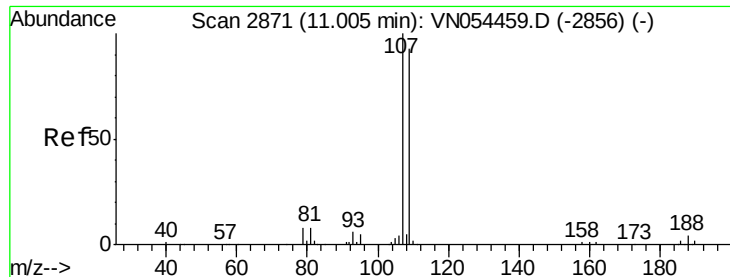
Tot Ion: 43 Resp: 746702
Ion Ratio Lower Upper
43 100
58 49.5 28.0 83.9



#60
Dibromochloromethane
Concen: 51.853 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 129 Resp: 235143
Ion Ratio Lower Upper
129 100
127 79.0 38.6 115.8





#61

1,2-Dibromoethane

Concen: 51.524 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

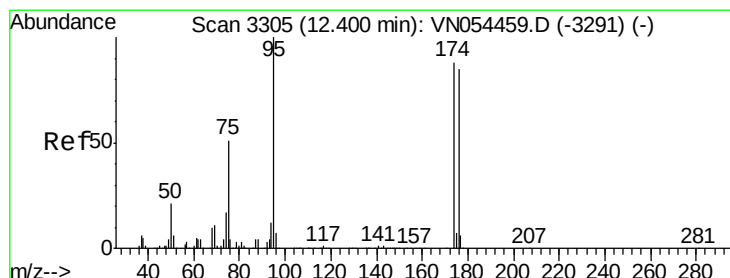
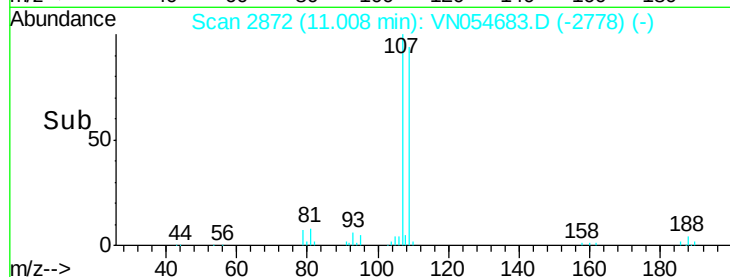
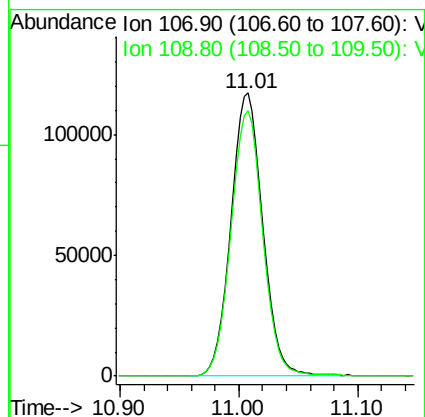
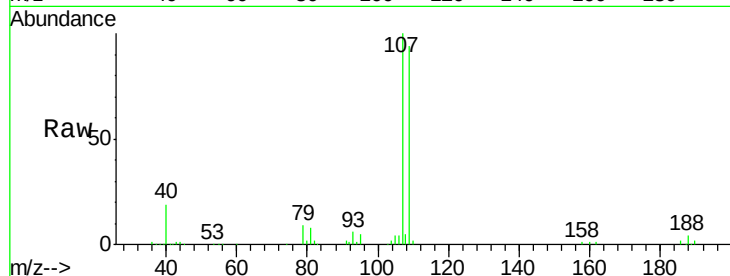
VSTDCCC050EC

Tot Ion: 107 Resp: 217081

Ion Ratio Lower Upper

107 100

109 94.0 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 48.355 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

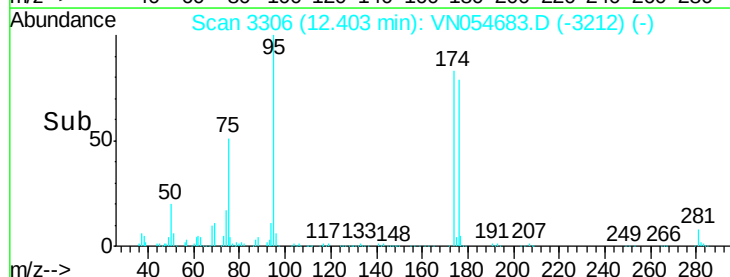
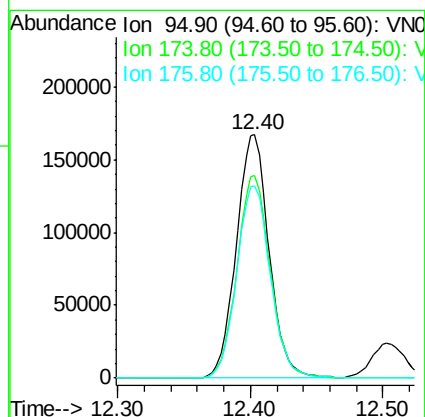
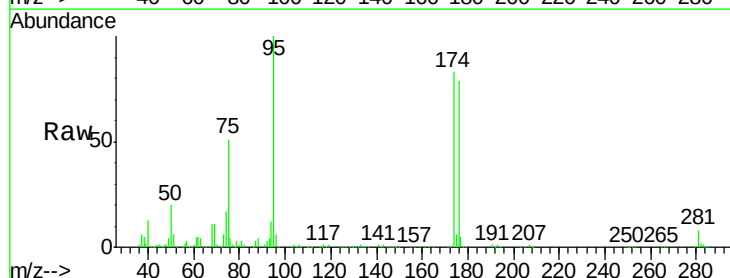
Tgt Ion: 95 Resp: 287315

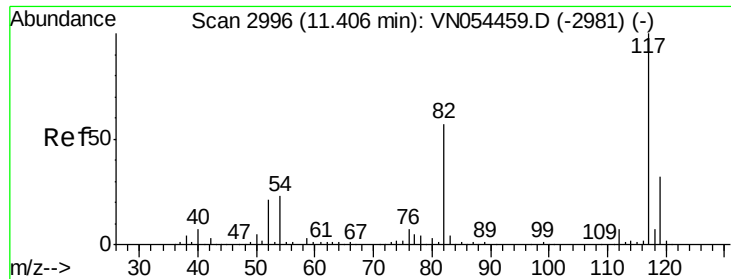
Ion Ratio Lower Upper

95 100

174 84.5 0.0 191.0

176 81.2 0.0 187.4

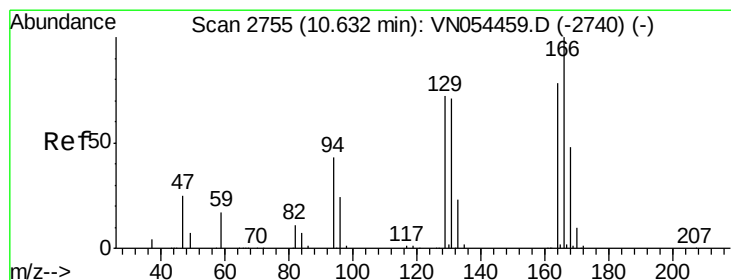
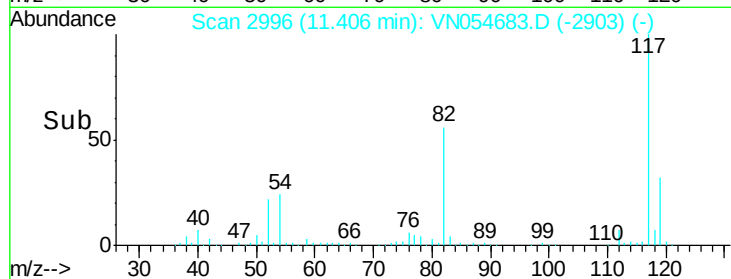
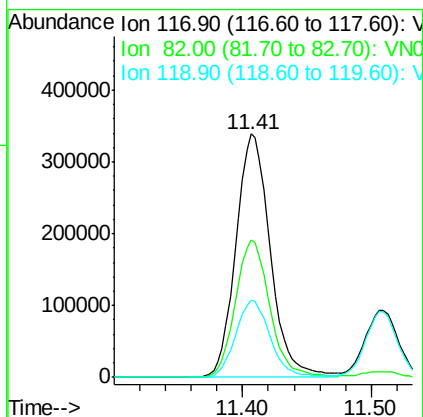
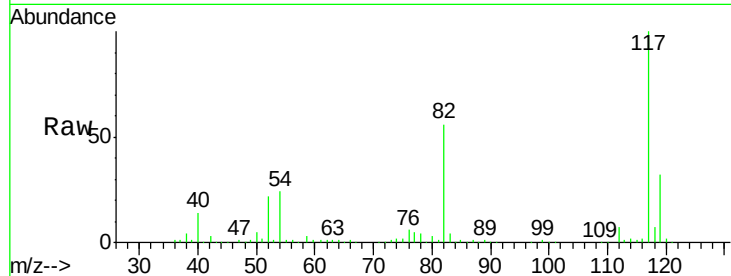




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

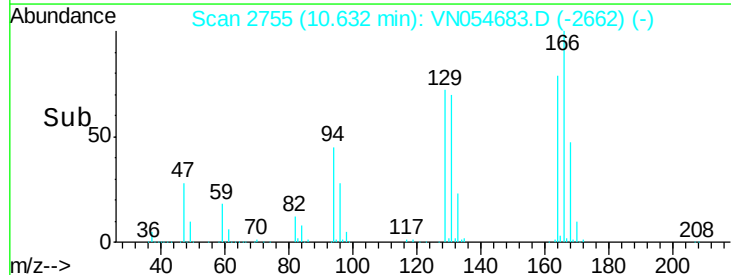
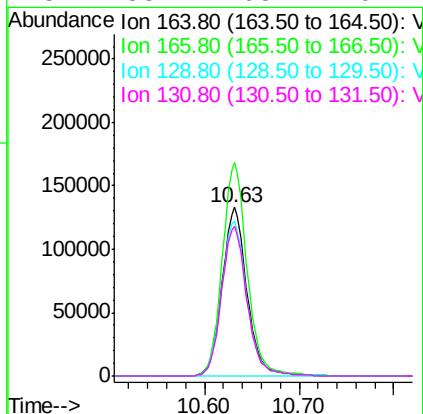
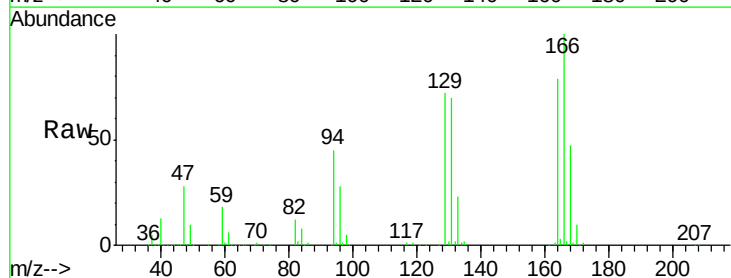
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

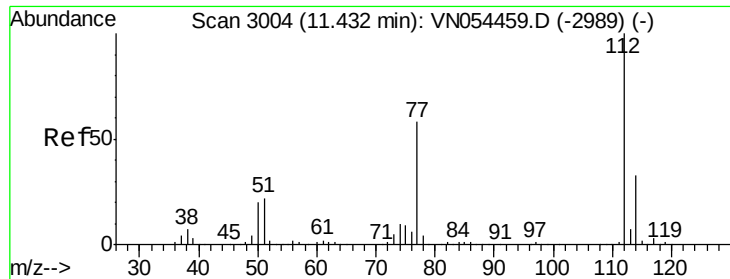
Tot Ion:117 Resp: 629569
Ion Ratio Lower Upper
117 100
82 56.5 40.0 60.0
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 46.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion:164 Resp: 243831
Ion Ratio Lower Upper
164 100
166 126.8 103.9 155.9
129 91.7 71.1 106.7
131 88.7 68.2 102.4

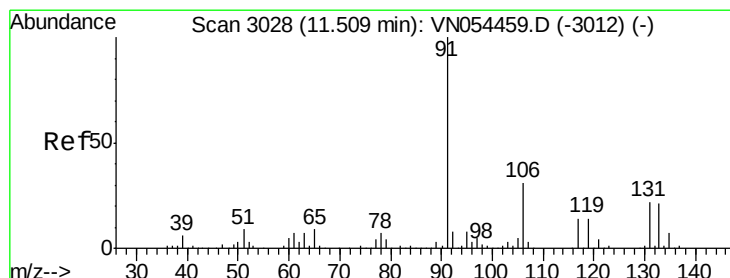
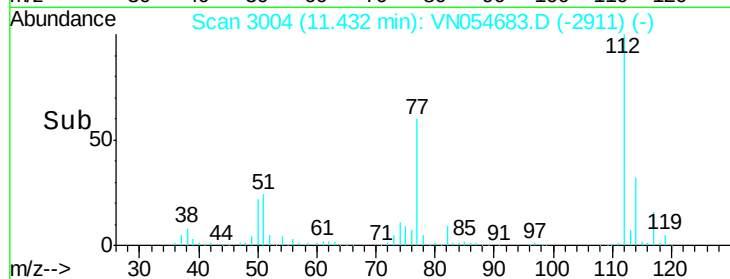
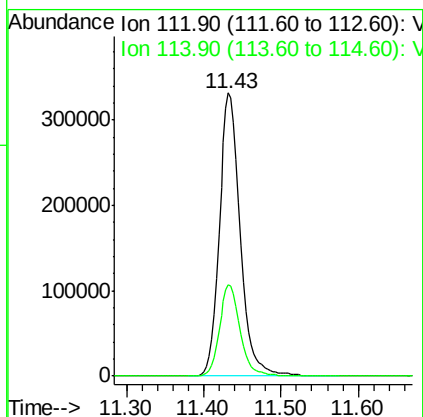
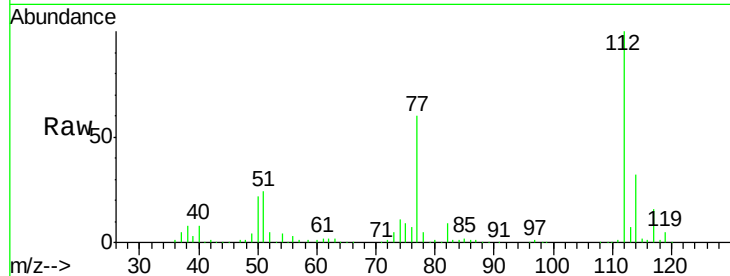




#65
Chlorobenzene
Concen: 48.844 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

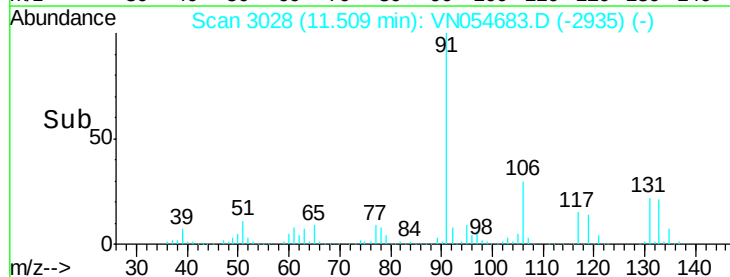
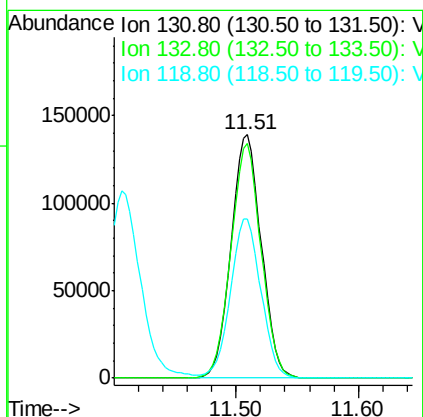
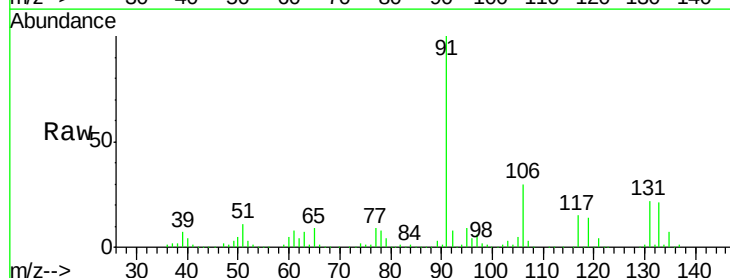
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

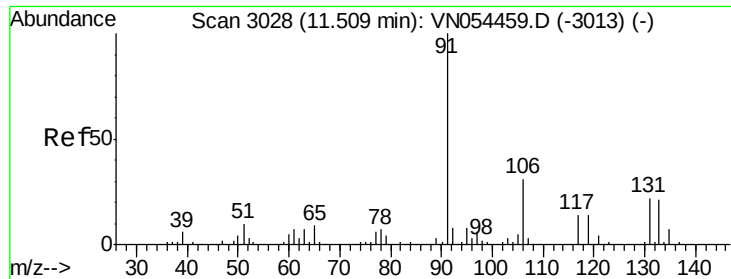
Tot Ion:112 Resp: 625429
Ion Ratio Lower Upper
112 100
114 32.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.090 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion:131 Resp: 239405
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 65.7 32.4 97.0

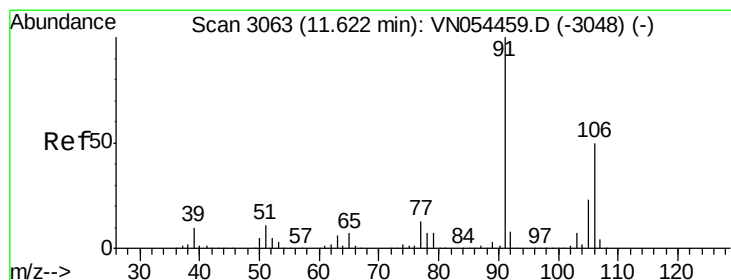
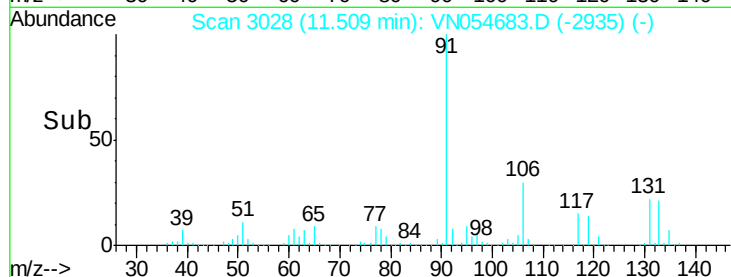
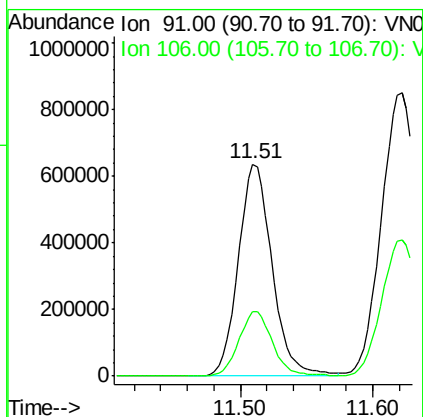
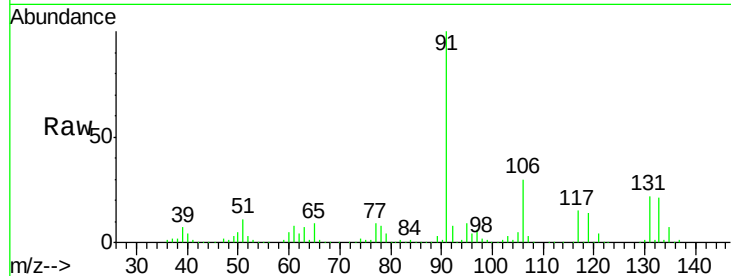




#67
Ethyl Benzene
Concen: 49.935 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

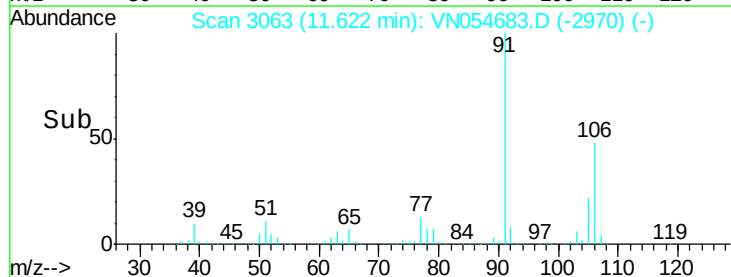
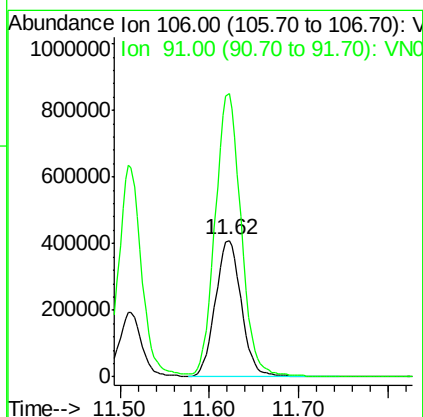
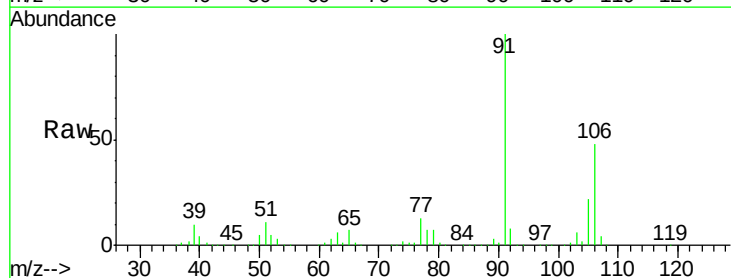
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

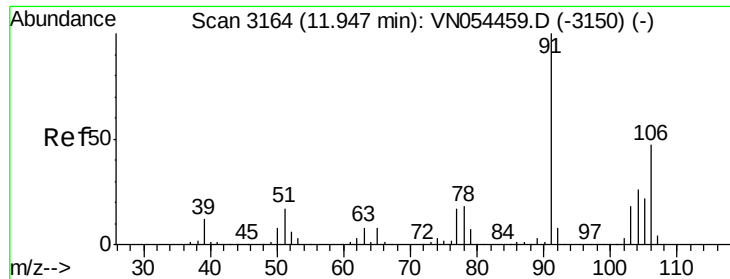
Tot Ion: 91 Resp: 1129455
Ion Ratio Lower Upper
91 100
106 30.3 25.5 38.3



#68
m/p-Xylenes
Concen: 97.053 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion: 106 Resp: 831492
Ion Ratio Lower Upper
106 100
91 207.8 159.4 239.2

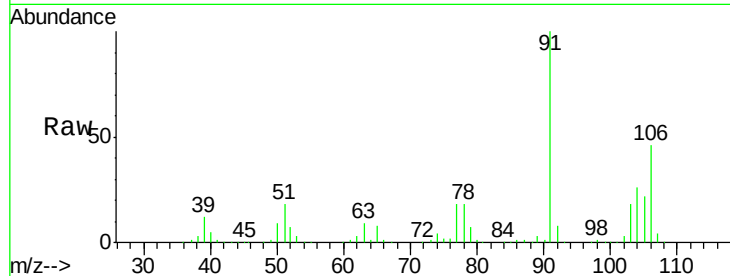




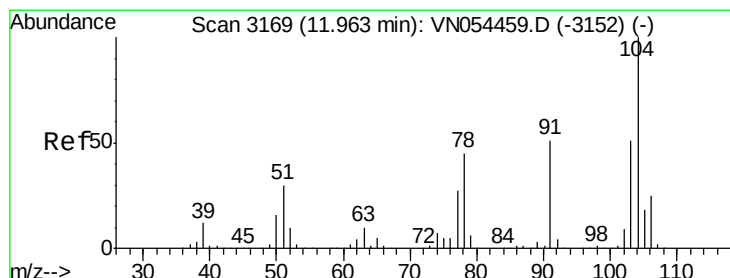
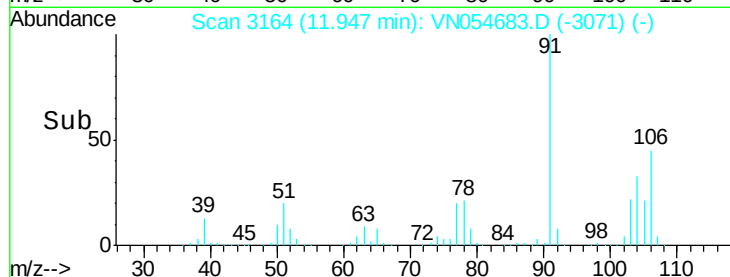
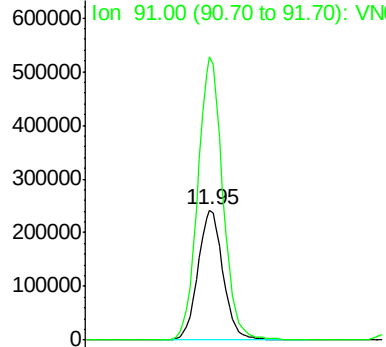
#69
o-Xylene
Concen: 49.199 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 411640
Ion Ratio Lower Upper
106 100
91 216.5 105.7 317.1

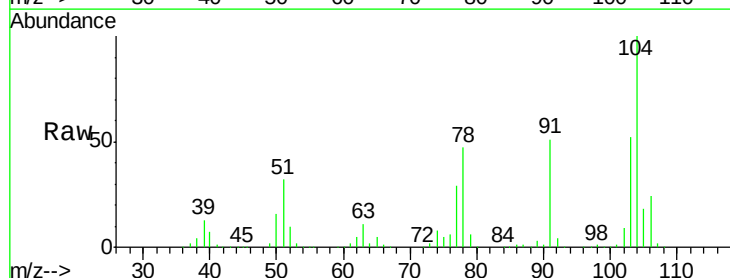


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

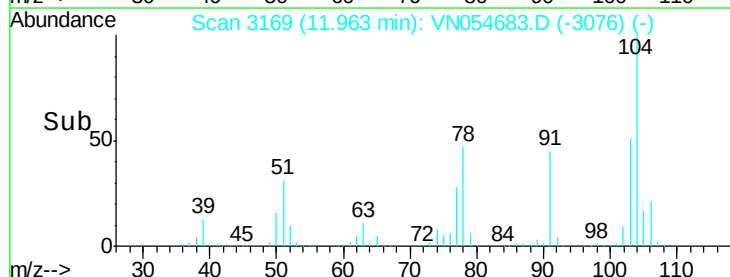
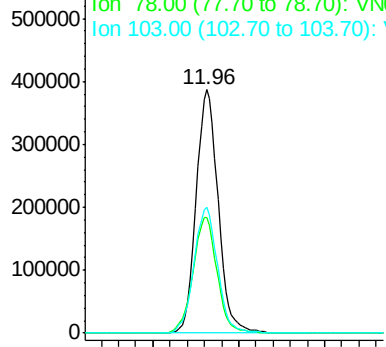


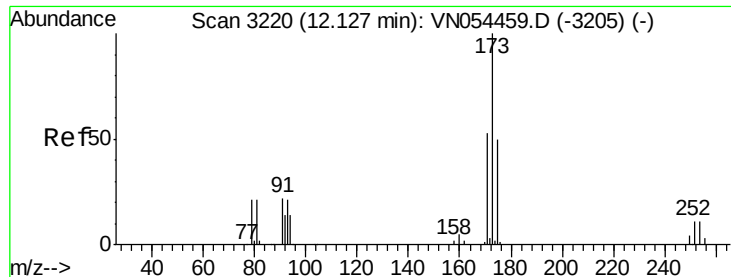
#70
Styrene
Concen: 50.681 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion:104 Resp: 688616
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.5 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

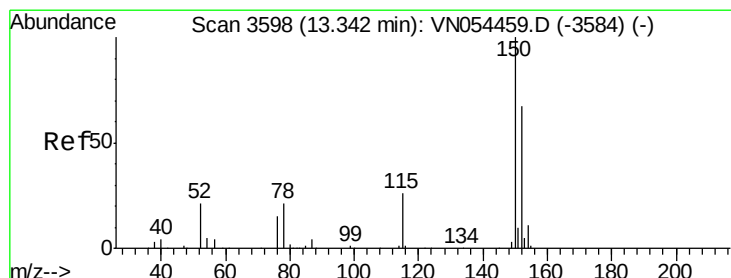
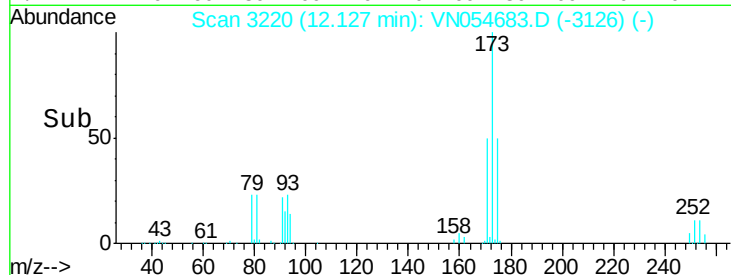
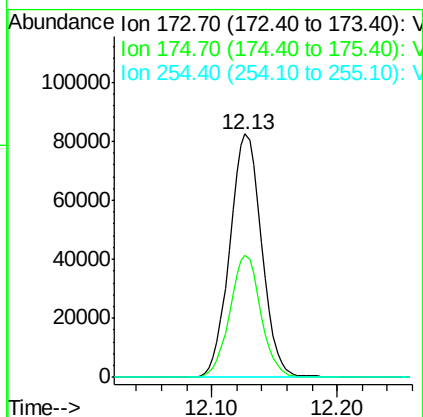
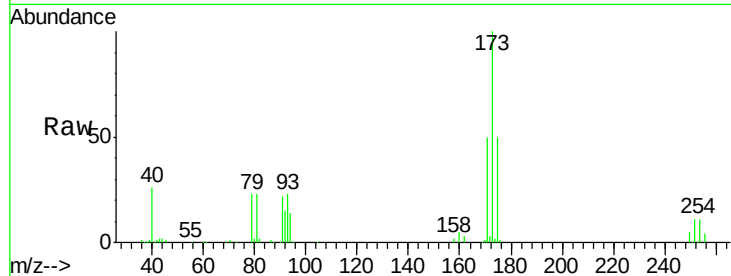




#71
Bromoform
Concen: 46.127 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

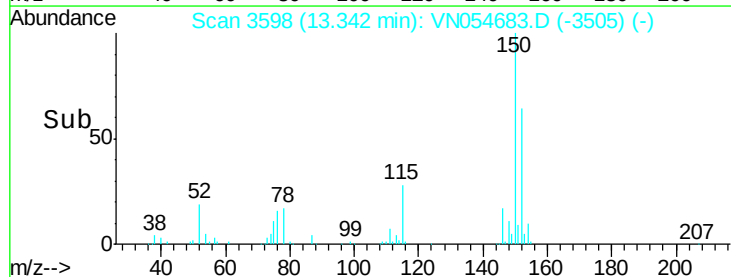
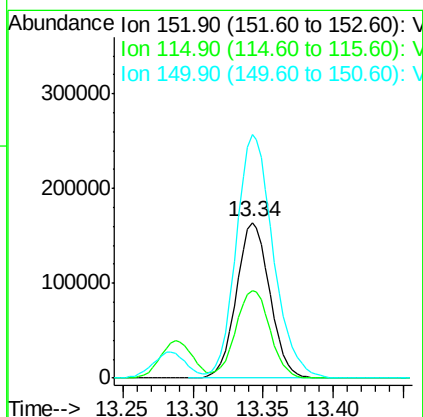
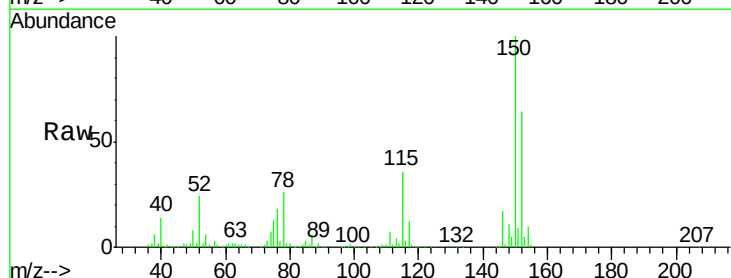
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

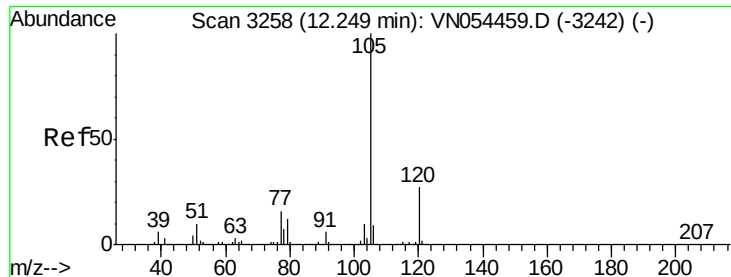
Tot Ion:173 Resp: 145588
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054683.D
Acq: 25 Mar 2019 19:50

Tgt Ion:152 Resp: 272492
Ion Ratio Lower Upper
152 100
115 57.9 27.2 81.6
150 173.4 0.0 349.2





#73

Isopropylbenzene

Concen: 49.005 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

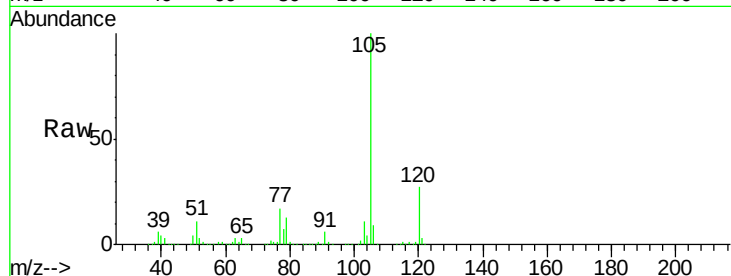
VSTDCCC050EC

Tot Ion:105 Resp: 1076057

Ion Ratio Lower Upper

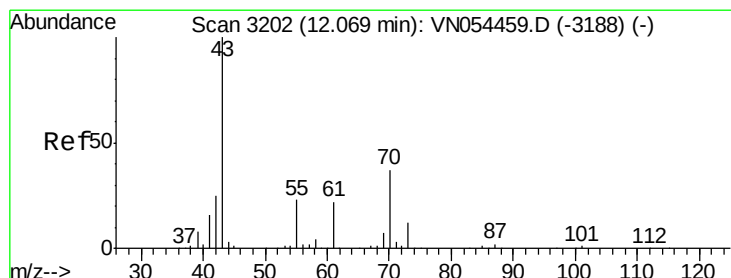
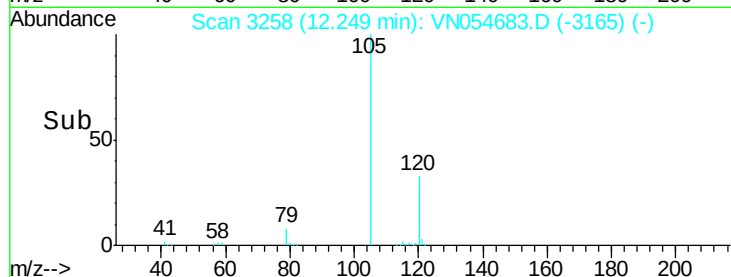
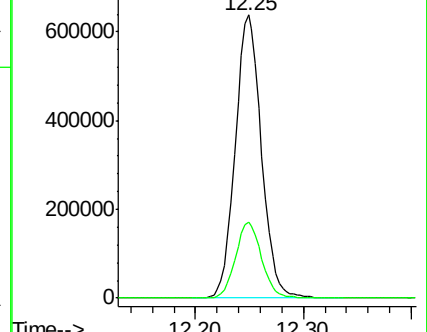
105 100

120 26.7 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: 56.564 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Tgt Ion: 43 Resp: 357130

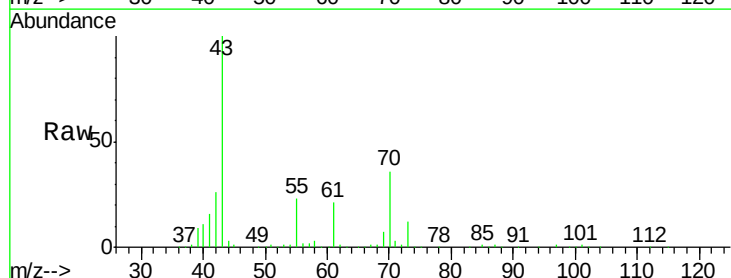
Ion Ratio Lower Upper

43 100

70 36.5 35.4 53.0

55 23.1 19.8 29.6

61 21.7 19.8 29.6

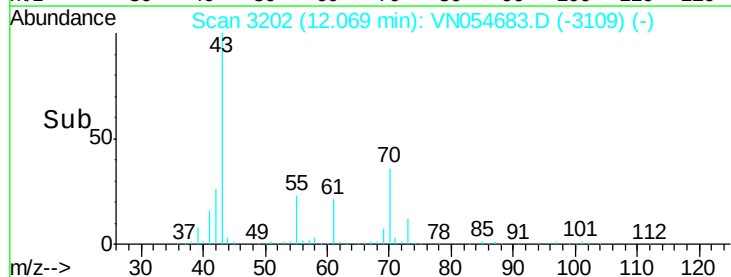
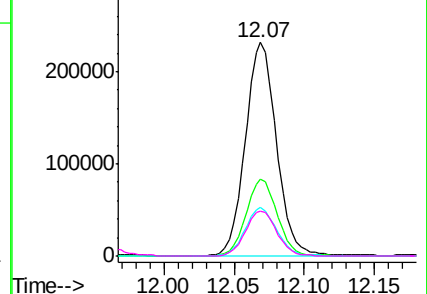


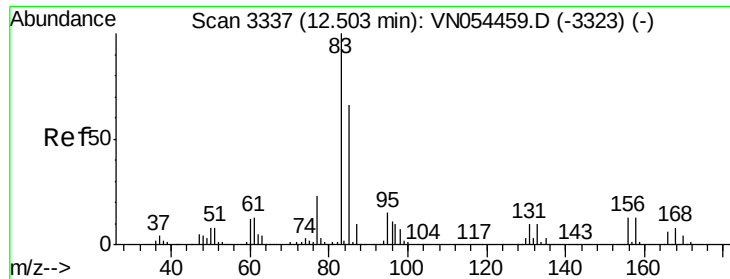
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 53.477 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

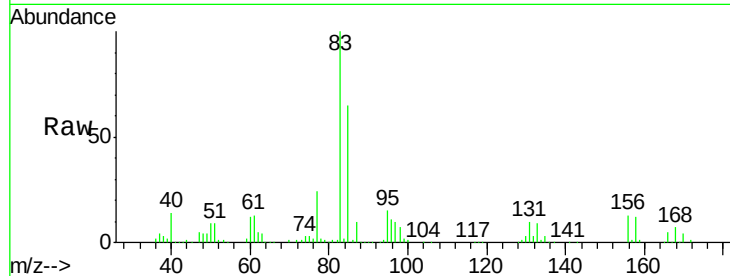
Tot Ion: 83 Resp: 268052

Ion Ratio Lower Upper

83 100

131 10.1 5.8 17.4

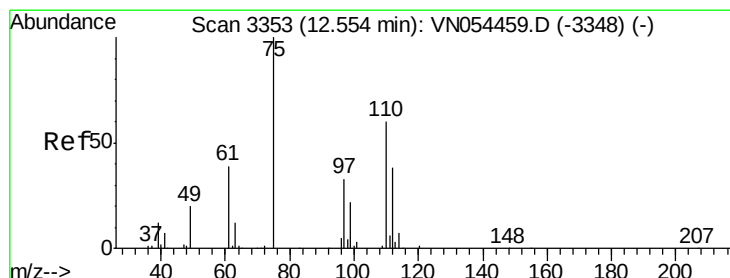
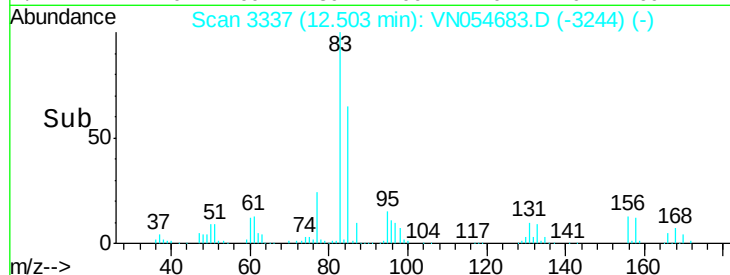
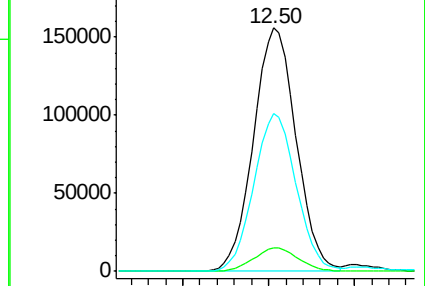
85 64.3 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 73.971 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054683.D

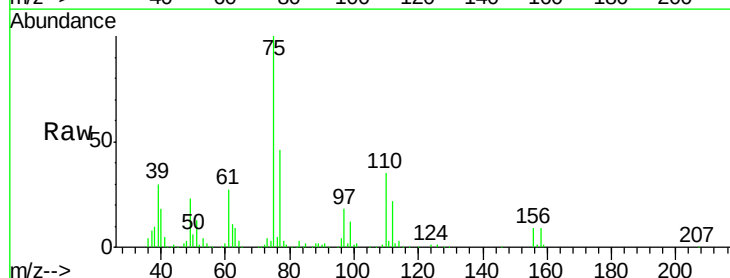
Acq: 25 Mar 2019 19:50

Tgt Ion: 75 Resp: 319853

Ion Ratio Lower Upper

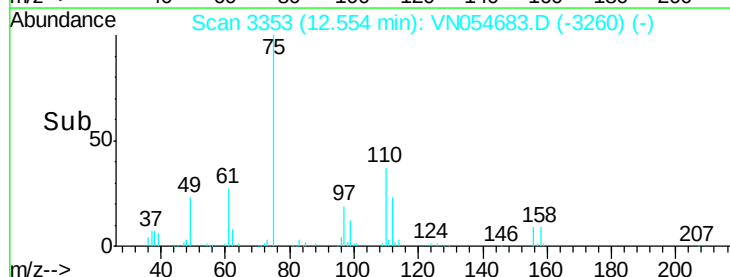
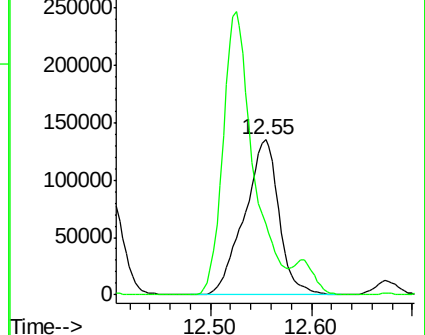
75 100

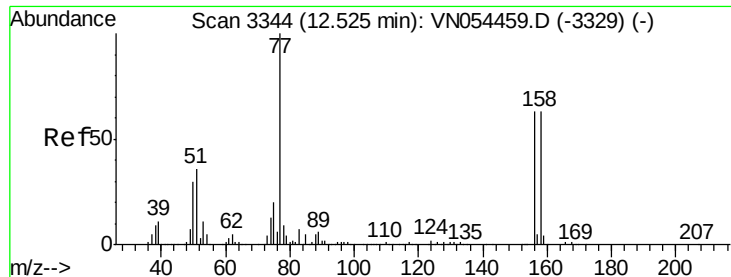
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)





#77

Bromobenzene

Concen: 48.954 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

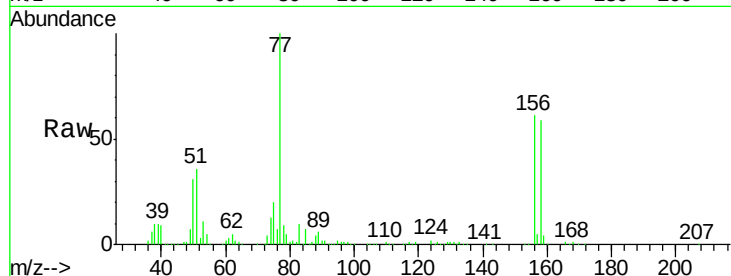
Tot Ion:156 Resp: 266595

Ion Ratio Lower Upper

156 100

77 194.8 81.5 244.4

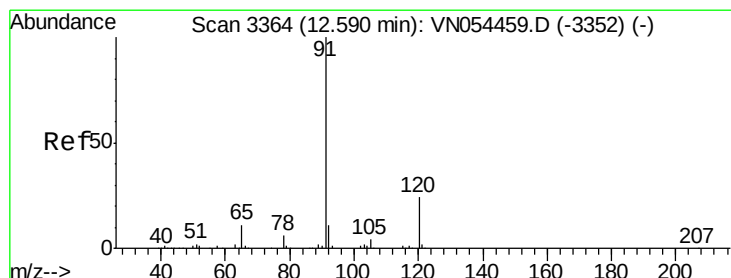
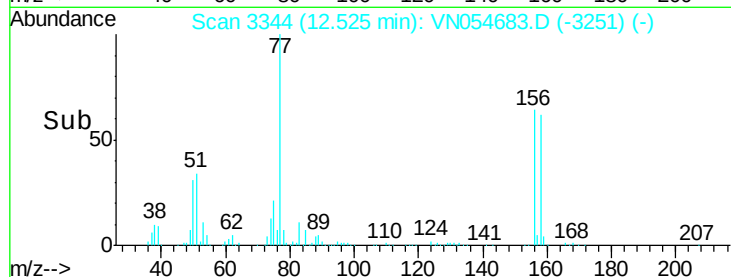
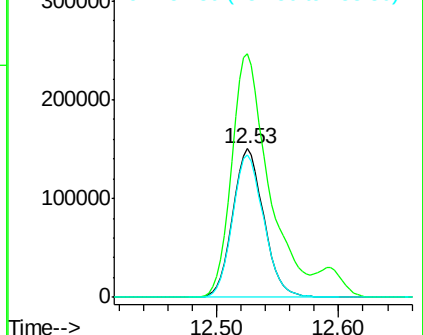
158 96.9 49.0 147.2



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: 50.429 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054683.D

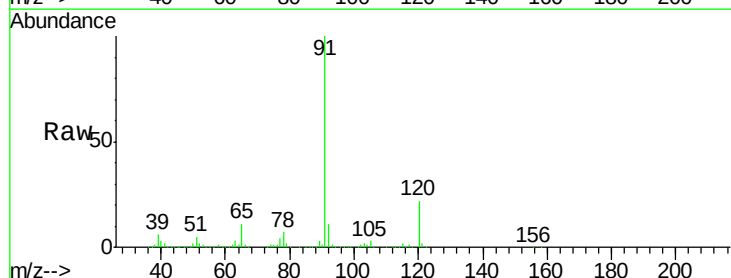
Acq: 25 Mar 2019 19:50

Tgt Ion: 91 Resp: 1200724

Ion Ratio Lower Upper

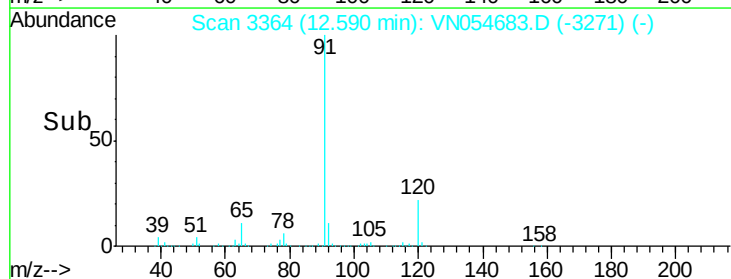
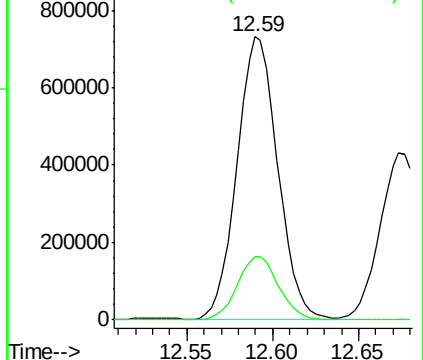
91 100

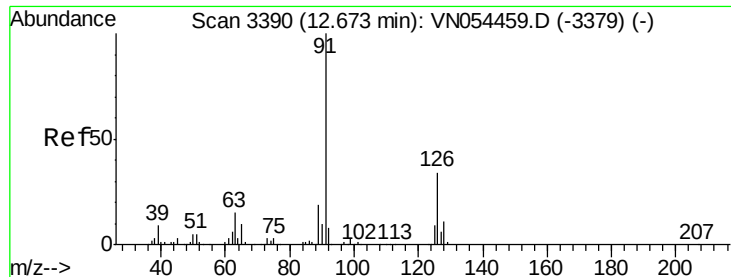
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.355 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

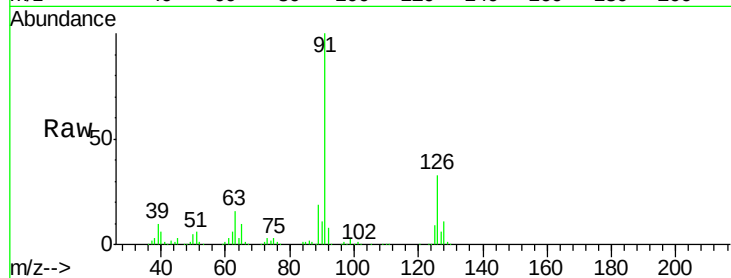
VSTDCCC050EC

Tot Ion: 91 Resp: 732816

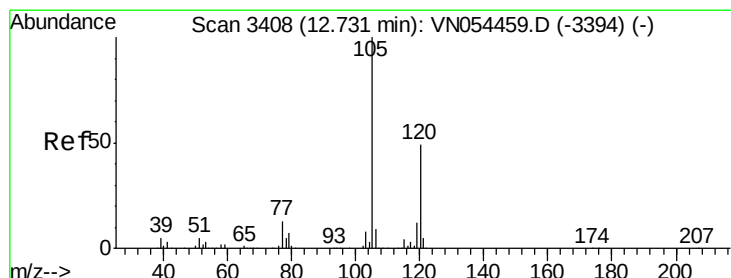
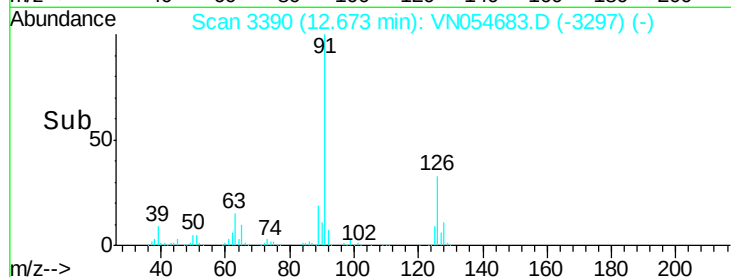
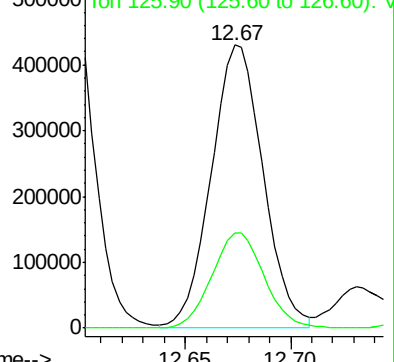
Ion Ratio Lower Upper

91 100

126 34.2 18.7 56.1



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



#80

1,3,5-Trimethylbenzene

Concen: 49.174 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054683.D

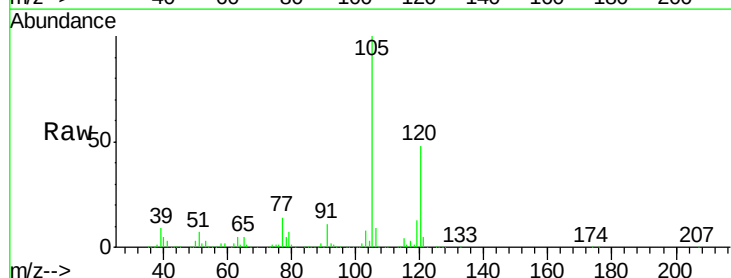
Acq: 25 Mar 2019 19:50

Tgt Ion: 105 Resp: 884950

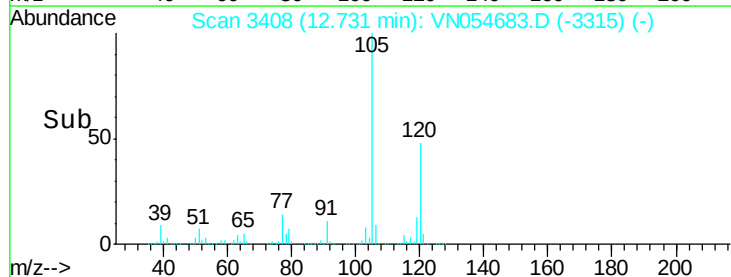
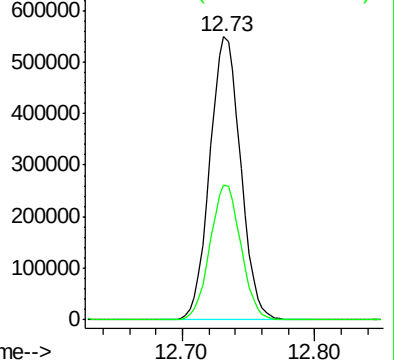
Ion Ratio Lower Upper

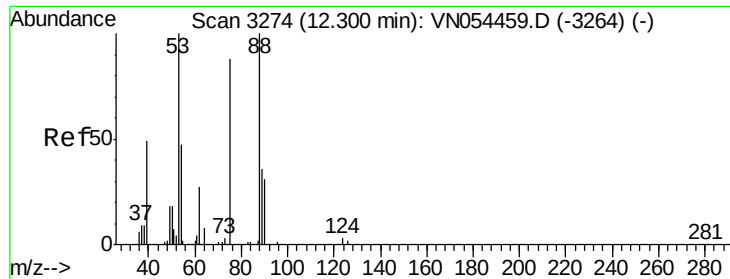
105 100

120 47.9 25.0 75.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 46.169 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

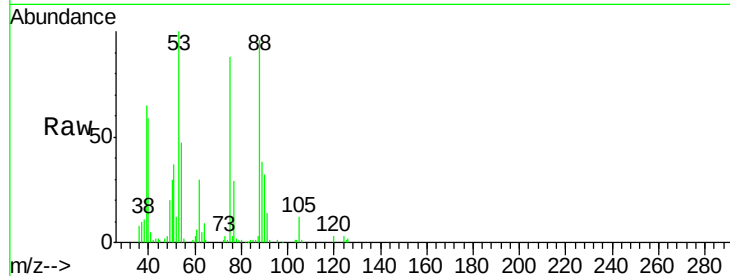
Tot Ion: 75 Resp: 57585

Ion Ratio Lower Upper

75 100

53 121.1 76.2 114.2#

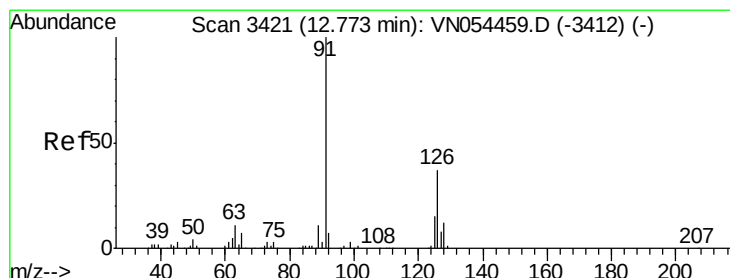
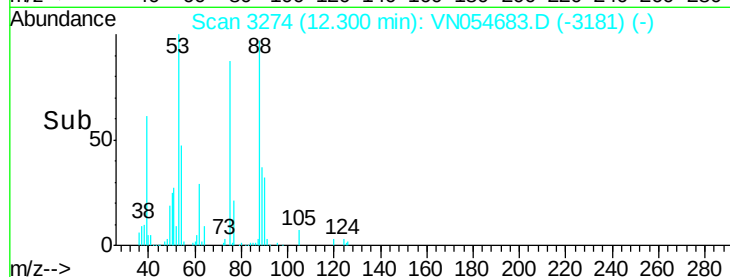
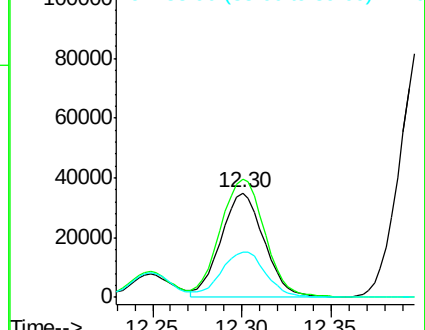
89 45.5 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.216 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054683.D

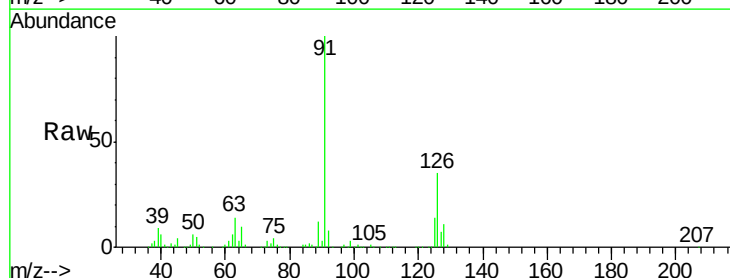
Acq: 25 Mar 2019 19:50

Tgt Ion: 91 Resp: 722732

Ion Ratio Lower Upper

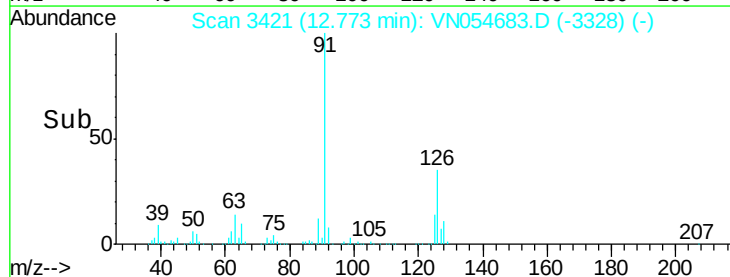
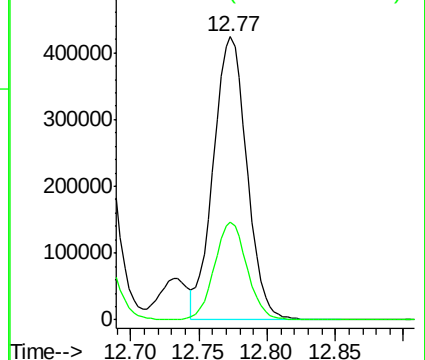
91 100

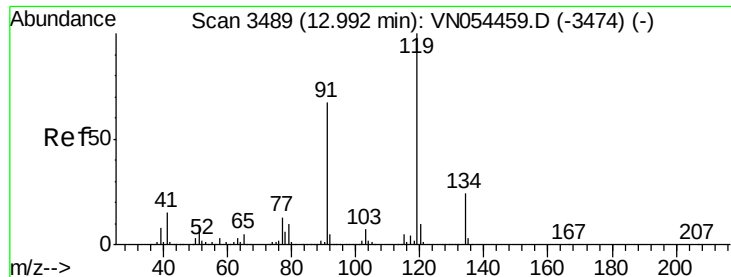
126 33.7 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.336 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

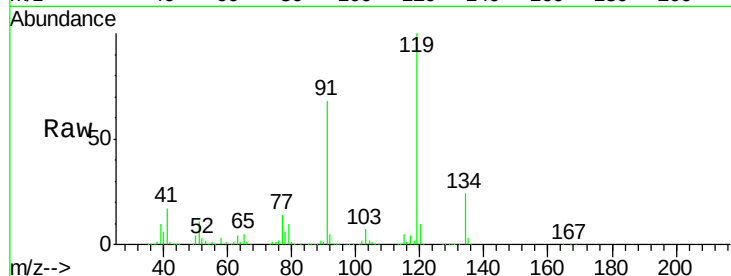
Tot Ion:119 Resp: 757184

Ion Ratio Lower Upper

119 100

91 66.3 30.9 92.8

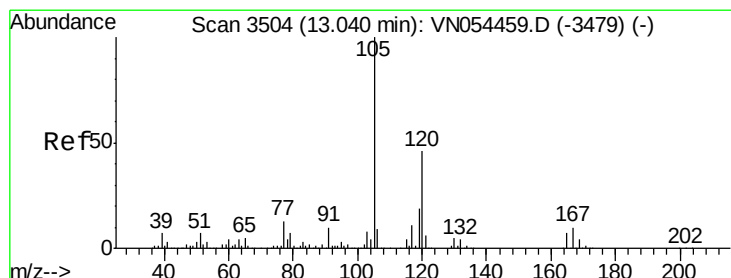
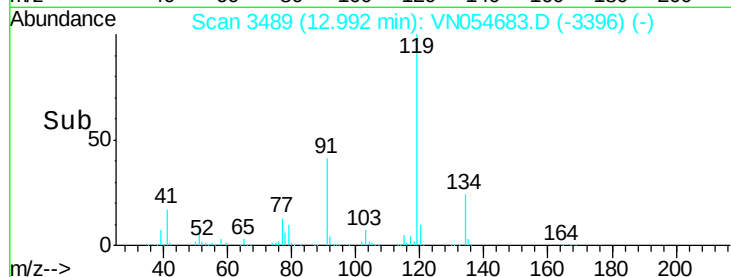
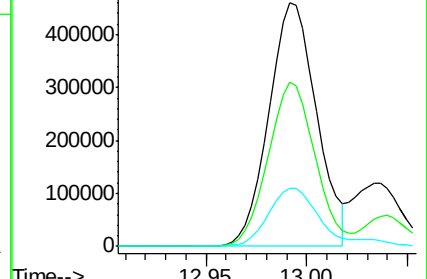
134 26.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.306 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054683.D

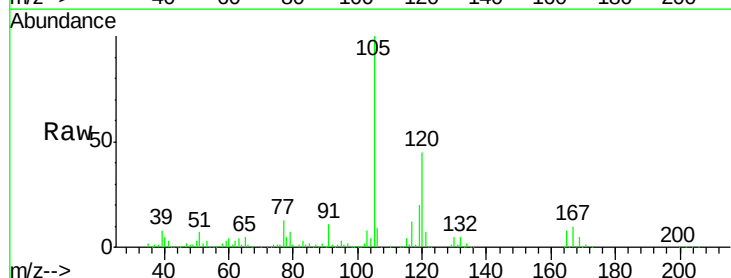
Acq: 25 Mar 2019 19:50

Tgt Ion:105 Resp: 870663

Ion Ratio Lower Upper

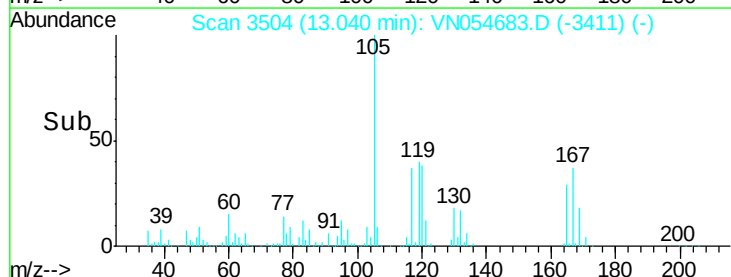
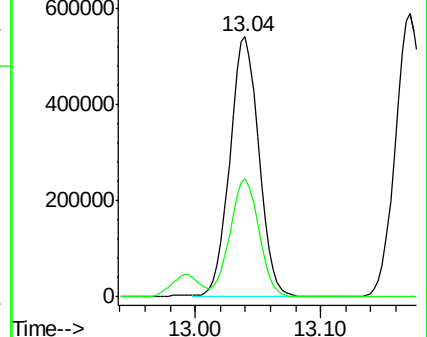
105 100

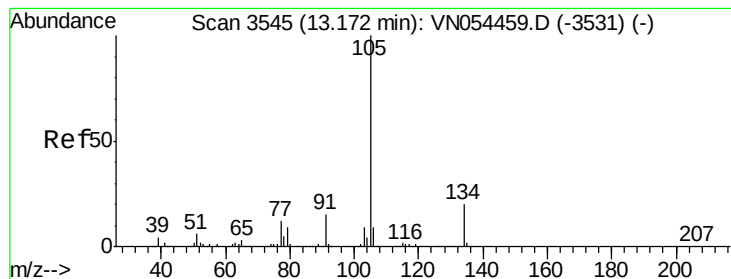
120 45.3 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 49.301 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

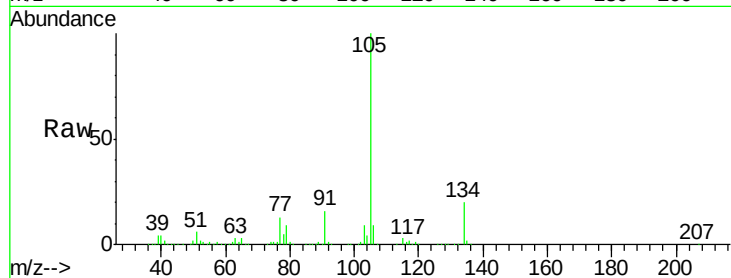
VSTDCCC050EC

Tot Ion:105 Resp: 962740

Ion Ratio Lower Upper

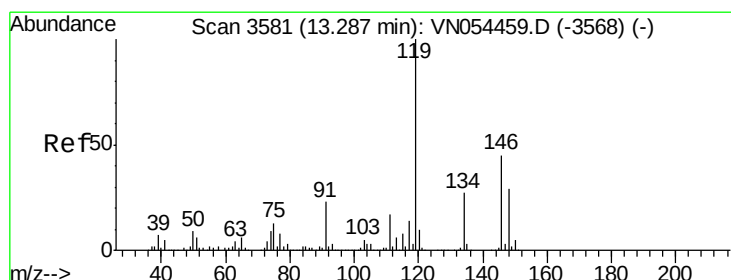
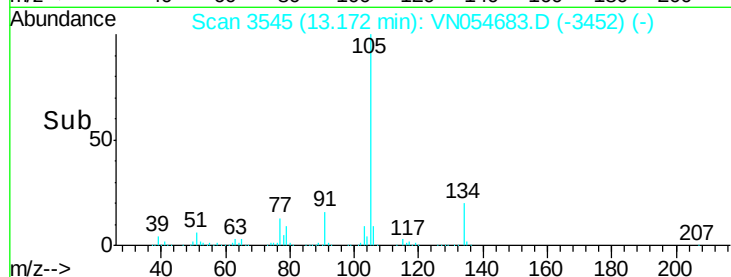
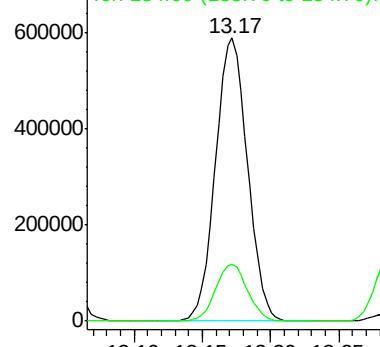
105 100

134 20.0 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: 49.242 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

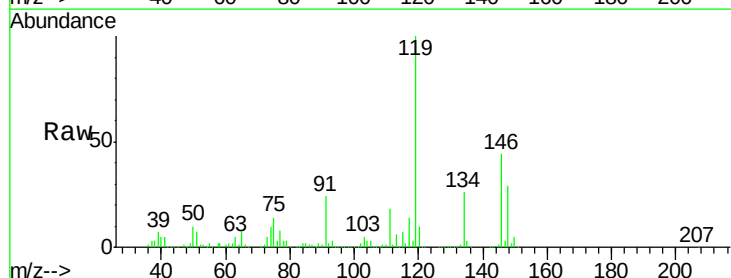
Tgt Ion:119 Resp: 860287

Ion Ratio Lower Upper

119 100

134 26.0 13.6 40.8

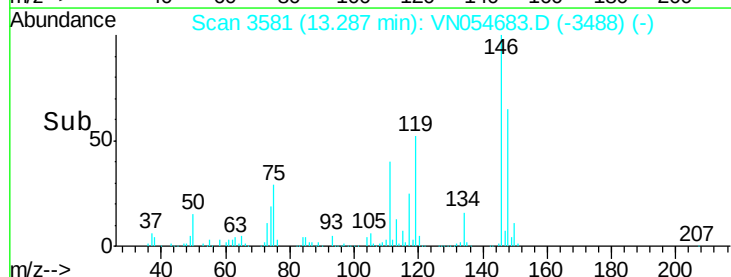
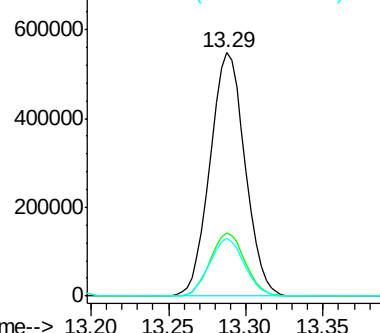
91 23.6 11.1 33.3

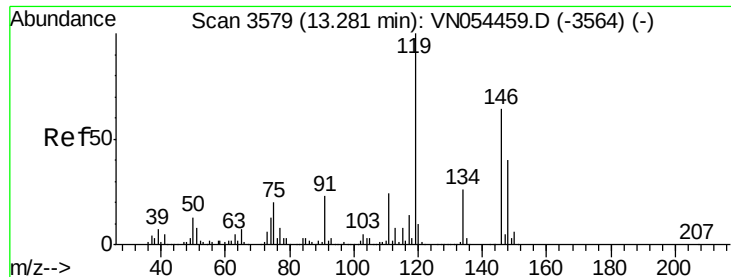


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

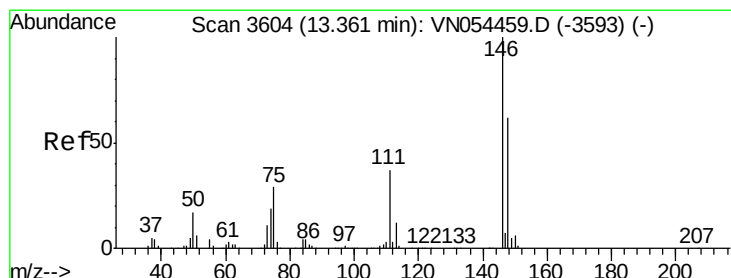
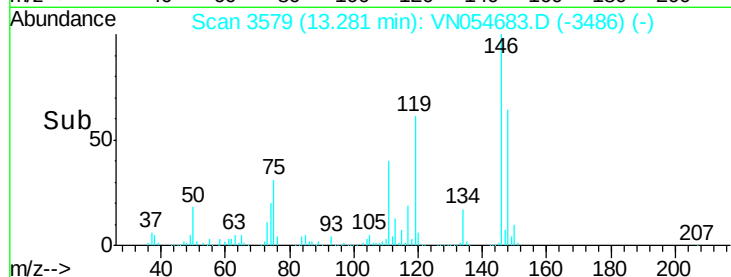
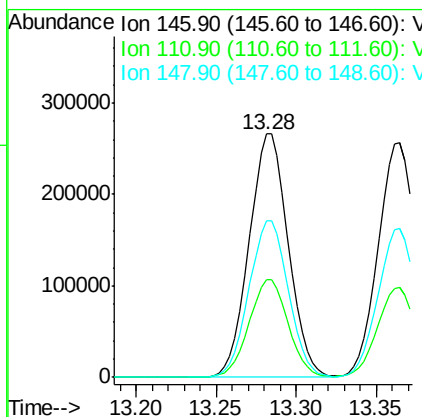
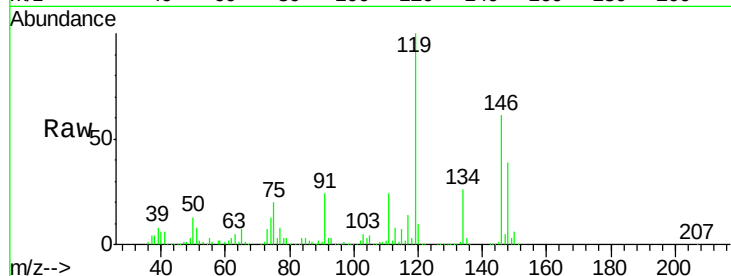




#87
 1,3-Dichlorobenzene
 Concen: 49.394 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

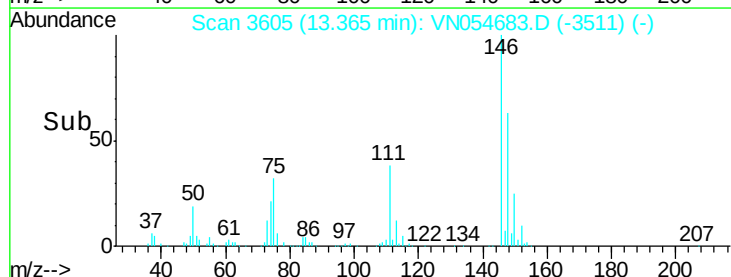
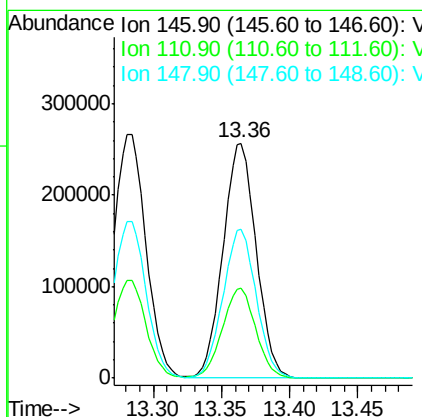
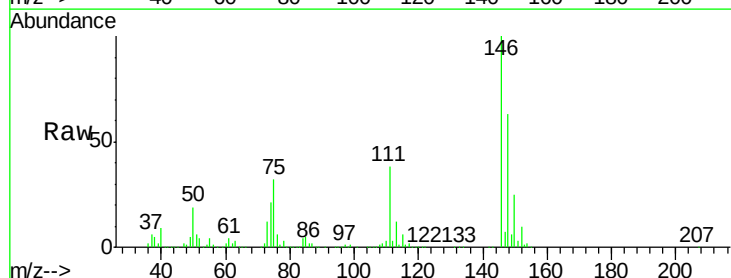
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

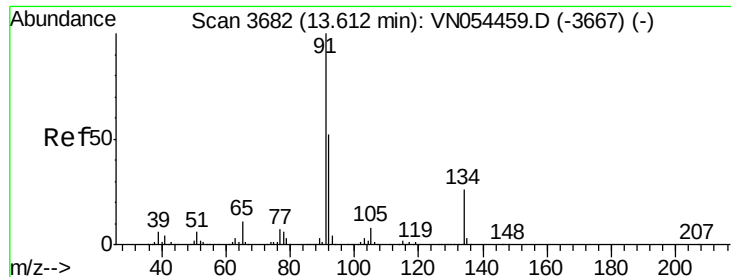
Tot Ion:146 Resp: 445767
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.8 56.3
 148 64.7 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 49.354 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion:146 Resp: 433359
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 63.5 32.0 96.0





#89

n-Butylbenzene

Concen: 50.728 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

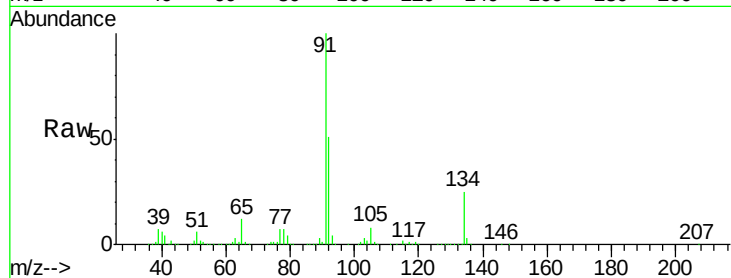
Tot Ion: 91 Resp: 692983

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

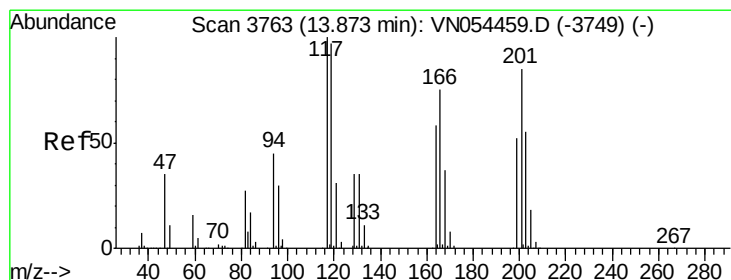
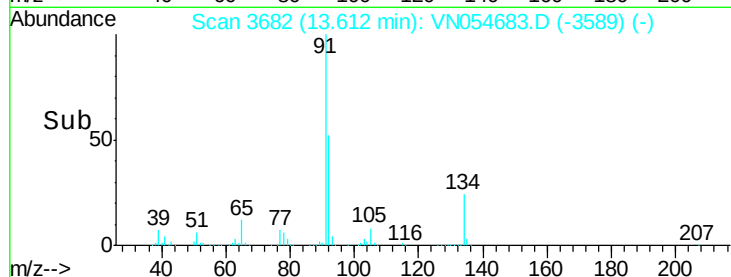
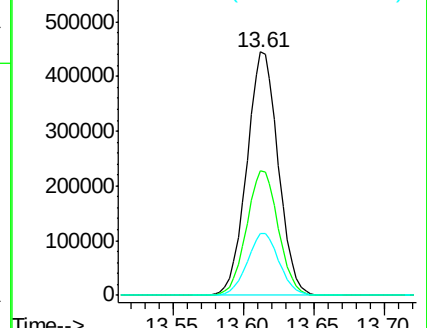
134 25.7 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN054459.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN054459.D (-3667) (-)



#90

Hexachloroethane

Concen: 54.599 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN054683.D

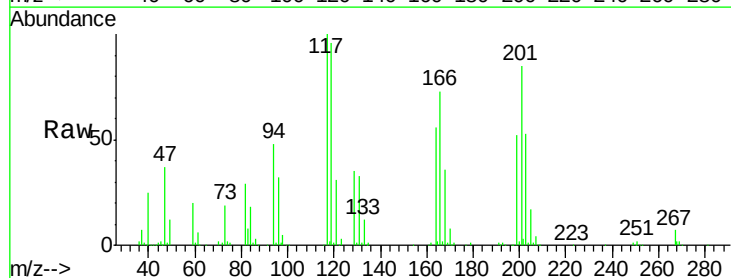
Acq: 25 Mar 2019 19:50

Tgt Ion: 117 Resp: 148064

Ion Ratio Lower Upper

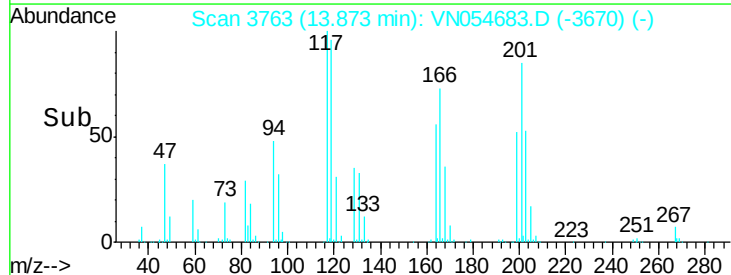
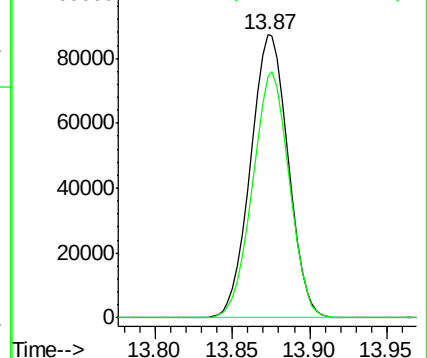
117 100

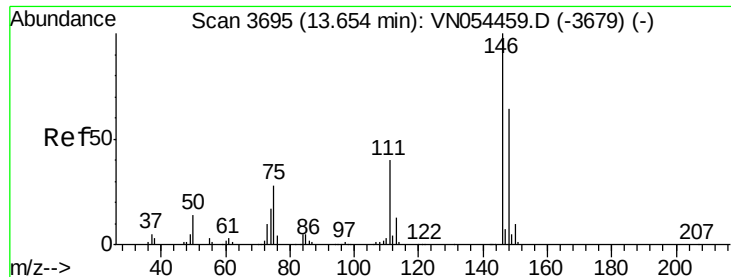
201 84.9 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054459.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN054459.D (-3749) (-)

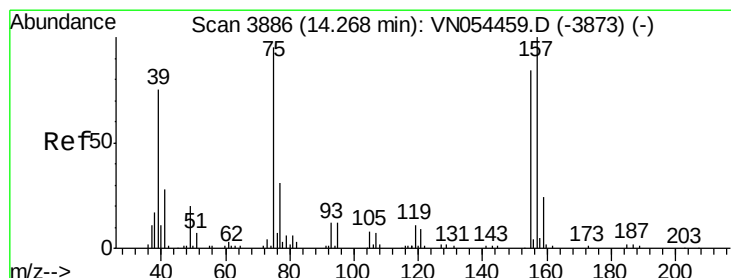
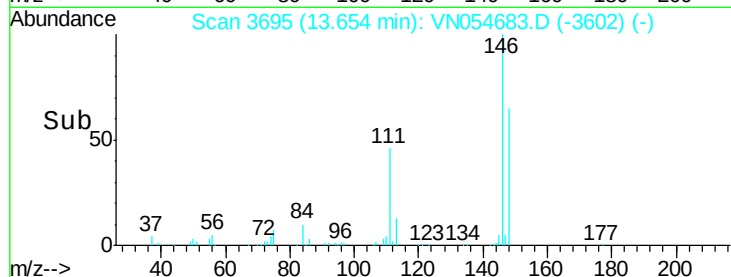
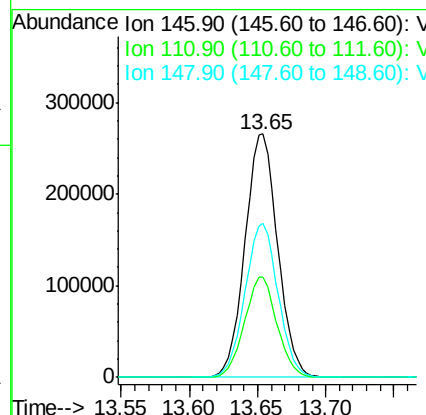
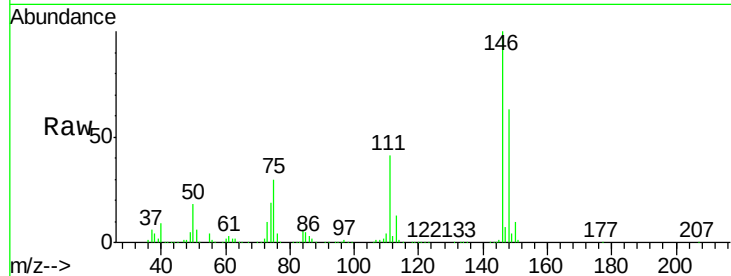




#91
 1,2-Dichlorobenzene
 Concen: 50.500 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

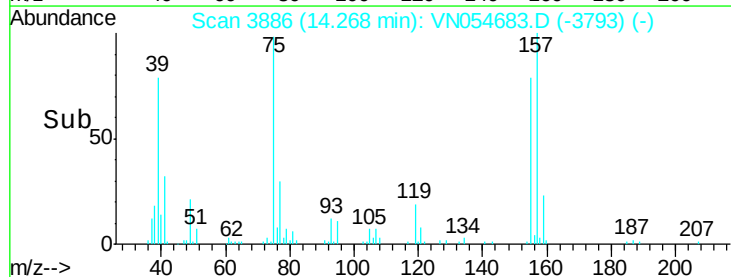
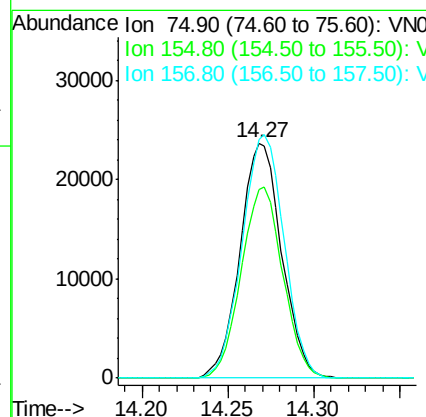
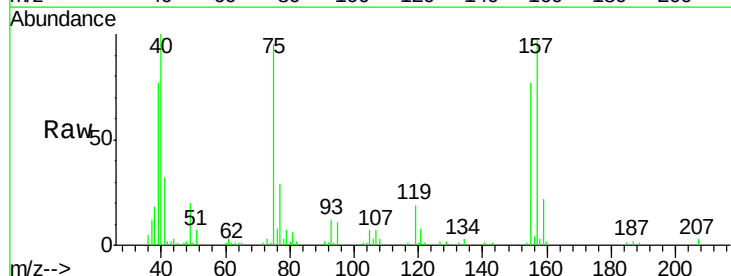
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

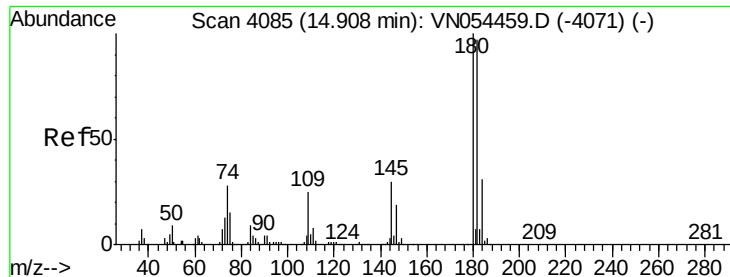
Tot Ion:146 Resp: 441433
 Ion Ratio Lower Upper
 146 100
 111 40.8 19.1 57.3
 148 63.9 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.134 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054683.D
 Acq: 25 Mar 2019 19:50

Tgt Ion: 75 Resp: 39800
 Ion Ratio Lower Upper
 75 100
 155 81.0 50.1 150.3
 157 104.5 63.1 189.3





#93

1,2,4-Trichlorobenzene

Concen: 50.202 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

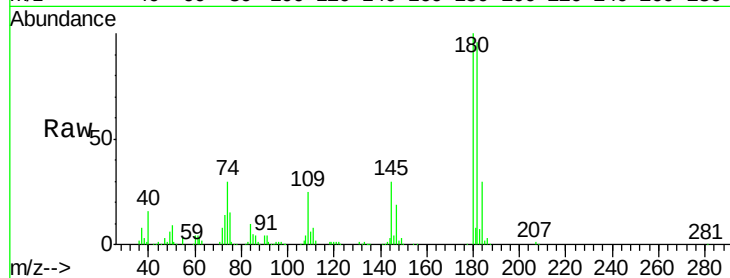
Tot Ion:180 Resp: 218760

Ion Ratio Lower Upper

180 100

182 96.3 48.0 144.2

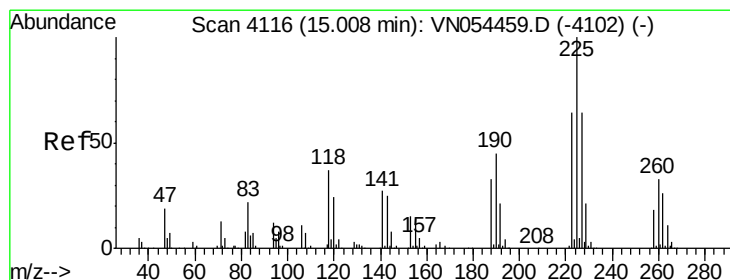
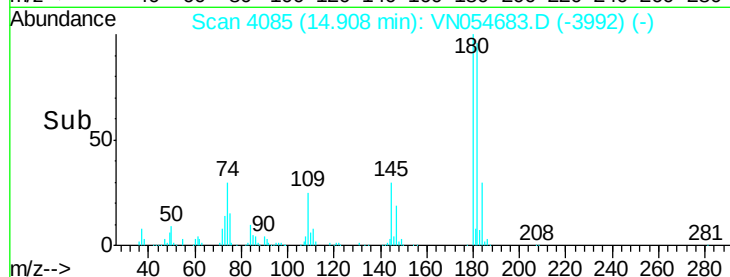
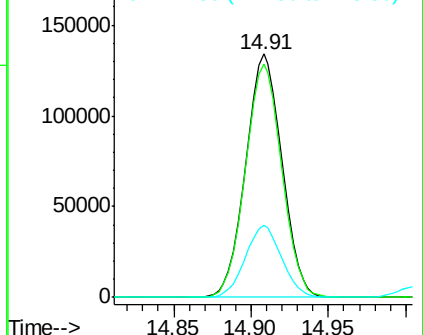
145 29.7 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 55.549 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

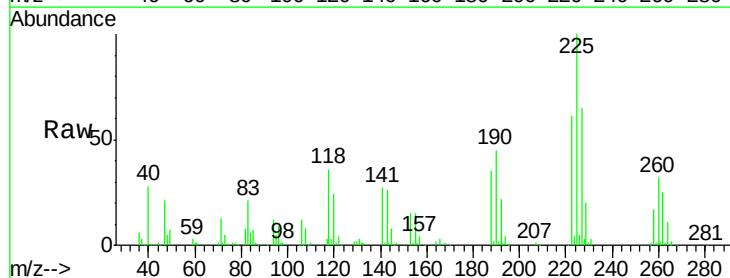
Tgt Ion:225 Resp: 135325

Ion Ratio Lower Upper

225 100

223 60.9 31.1 93.5

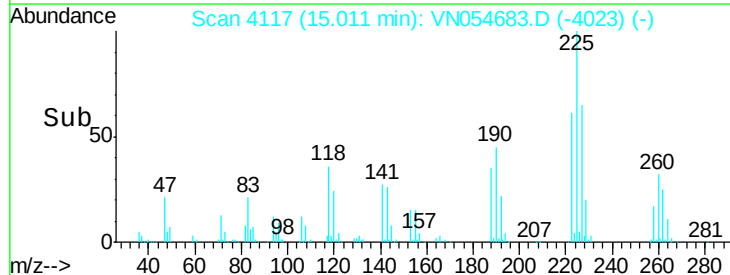
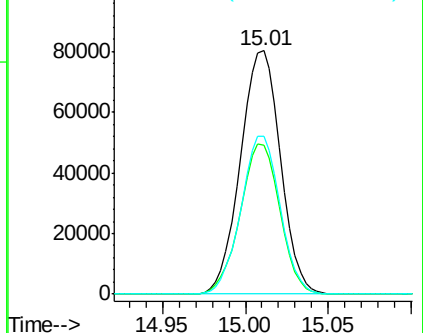
227 63.5 31.9 95.9

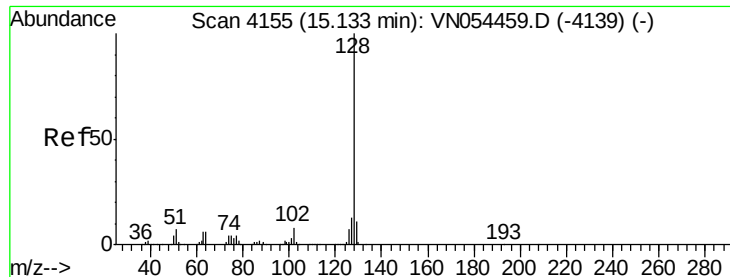


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 50.182 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

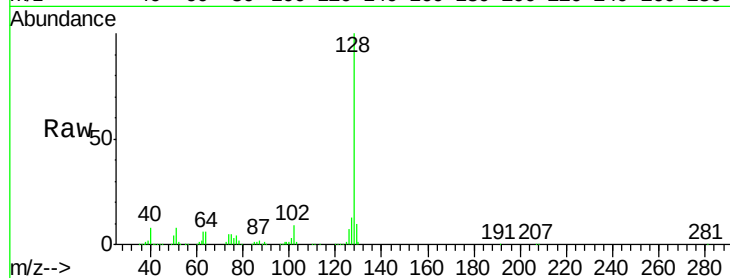
Tot Ion:128 Resp: 487757

Ion Ratio Lower Upper

128 100

127 13.1 10.1 15.1

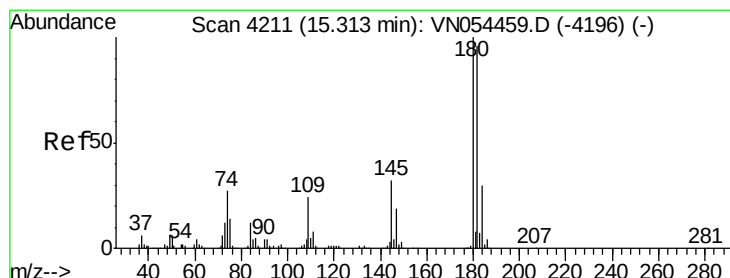
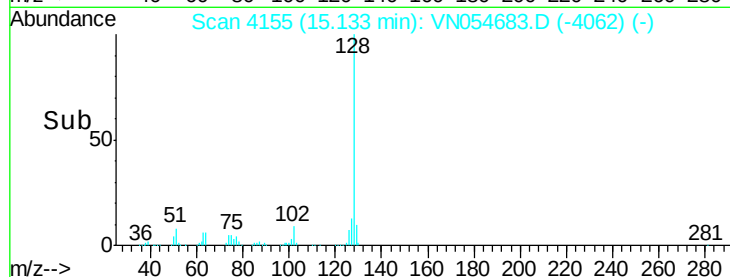
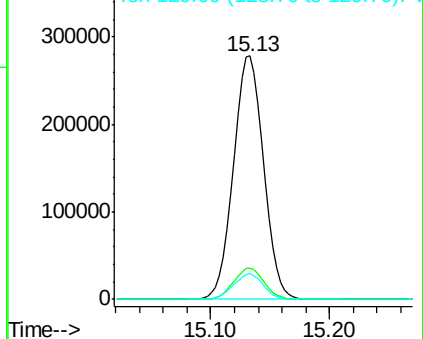
129 10.4 8.7 13.1



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: 49.798 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054683.D

Acq: 25 Mar 2019 19:50

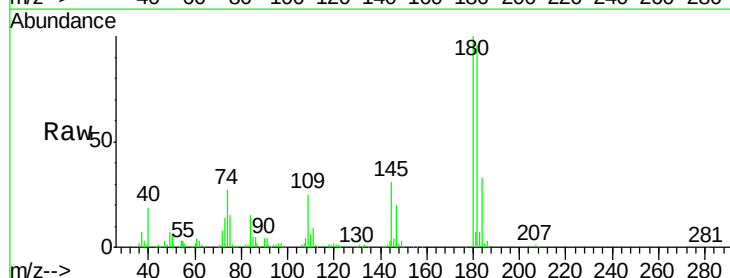
Tgt Ion:180 Resp: 215974

Ion Ratio Lower Upper

180 100

182 95.6 47.5 142.6

145 30.9 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

