

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055047.D
 Acq On : 15 Apr 2019 16:51
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Apr 16 05:52:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	428952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	659969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	260658	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
35) Dibromofluoromethane	7.59	113	211913	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	784849	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
62) 4-Bromofluorobenzene	12.40	95	267995	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	229527	47.084	ug/l	100
3) Chloromethane	2.06	50	285590	44.917	ug/l	97
4) Vinyl Chloride	2.19	62	241158	45.125	ug/l	99
5) Bromomethane	2.56	94	132635	43.870	ug/l	98
6) Chloroethane	2.70	64	130176	45.168	ug/l	99
7) Trichlorofluoromethane	3.02	101	308994	46.231	ug/l	96
8) Diethyl Ether	3.41	74	97122	45.523	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	164362	46.991	ug/l	99
10) Methyl Iodide	3.94	142	249644	45.993	ug/l	98
11) Tert butyl alcohol	4.82	59	72957	233.434	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	153225	45.005	ug/l	96
13) Acrolein	3.61	56	77160	199.734	ug/l	99
14) Allyl chloride	4.31	41	389866	46.781	ug/l	100
15) Acrylonitrile	4.99	53	435294	232.788	ug/l	99
16) Acetone	3.82	43	375134	242.400	ug/l	100
17) Carbon Disulfide	4.04	76	491551	44.726	ug/l	100
18) Methyl Acetate	4.33	43	206575	46.281	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	572917	47.041	ug/l	98
20) Methylene Chloride	4.54	84	233500	42.921	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	209430	45.482	ug/l	92
22) Diisopropyl ether	5.96	45	815296	47.590	ug/l	99
23) Vinyl Acetate	5.90	43	2852637	251.914	ug/l	100
24) 1,1-Dichloroethane	5.85	63	426637	46.765	ug/l	98
25) 2-Butanone	6.85	43	575243	249.050	ug/l	99
26) 2,2-Dichloropropane	6.82	77	288793	50.154	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	240926	46.247	ug/l	99
28) Bromochloromethane	7.19	49	200831	45.667	ug/l	99
29) Tetrahydrofuran	7.22	42	354248	233.880	ug/l	100
30) Chloroform	7.37	83	404064	45.597	ug/l	99
31) Cyclohexane	7.65	56	399689	49.543	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	327421	46.635	ug/l	99
36) 1,1-Dichloropropene	7.79	75	308019	49.509	ug/l	100
37) Ethyl Acetate	6.94	43	239063	47.199	ug/l	98
38) Carbon Tetrachloride	7.77	117	273346	46.180	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	342001	50.729	ug/l	99
40) Benzene	8.04	78	921506	49.145	ug/l	98
41) Methacrylonitrile	7.17	41	139012	49.443	ug/l	96
42) 1,2-Dichloroethane	8.12	62	315466	48.458	ug/l	99
43) Isopropyl Acetate	8.17	43	393944	50.477	ug/l	99
44) Trichloroethene	8.83	130	234138	49.853	ug/l	99
45) 1,2-Dichloropropane	9.12	63	255410	48.842	ug/l	98
46) Dibromomethane	9.21	93	143876	48.338	ug/l	97
47) Bromodichloromethane	9.40	83	303535	49.463	ug/l	99
48) Methyl methacrylate	9.20	41	196838	50.885	ug/l	99
49) 1,4-Dioxane	9.20	88	41603	1147.936	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1146070	254.184	ug/l	100
52) Toluene	10.16	92	549593	51.176	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	283064	52.782	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	352647	52.981	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	203155	49.100	ug/l	99
56) Ethyl methacrylate	10.43	69	260709	52.503	ug/l	99
57) 1,3-Dichloropropane	10.71	76	357512	50.750	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	496563	228.634	ug/l	99
59) 2-Hexanone	10.75	43	740920	261.628	ug/l	99
60) Dibromochloromethane	10.90	129	207556	51.371	ug/l	98
61) 1,2-Dibromoethane	11.00	107	193541	50.821	ug/l	99
64) Tetrachloroethene	10.63	164	224768	47.774	ug/l	97
65) Chlorobenzene	11.43	112	567213	48.703	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	208037	48.567	ug/l	100
67) Ethyl Benzene	11.51	91	1044877	50.239	ug/l	98
68) m/p-Xylenes	11.62	106	777822	103.278	ug/l	100
69) o-Xylene	11.95	106	375890	51.530	ug/l	99
70) Styrene	11.96	104	632669	53.581	ug/l	100
71) Bromoform	12.13	173	130051	52.970	ug/l #	100
73) Isopropylbenzene	12.25	105	1003560	44.059	ug/l	99
74) N-amyl acetate	12.07	43	312228	48.695	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	253354	41.568	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	294172	63.730	ug/l #	100
77) Bromobenzene	12.53	156	244193	43.002	ug/l	99
78) n-propylbenzene	12.59	91	1137734	46.231	ug/l	100
79) 2-Chlorotoluene	12.67	91	683358	44.519	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	829465	45.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	55339	47.941	ug/l	97
82) 4-Chlorotoluene	12.77	91	675436	47.163	ug/l	99
83) tert-Butylbenzene	12.99	119	690776	44.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	826286	47.433	ug/l	100
85) sec-Butylbenzene	13.17	105	907532	45.879	ug/l	99
86) p-Isopropyltoluene	13.29	119	805649	47.473	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	416248	48.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401174	48.740	ug/l	99
89) n-Butylbenzene	13.61	91	666814	52.929	ug/l	99
90) Hexachloroethane	13.87	117	122686	44.430	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410264	47.242	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35189	46.885	ug/l	97

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Quant Title : SW846 8260
QLast Update : Mon Apr 15 12:28:28 2019
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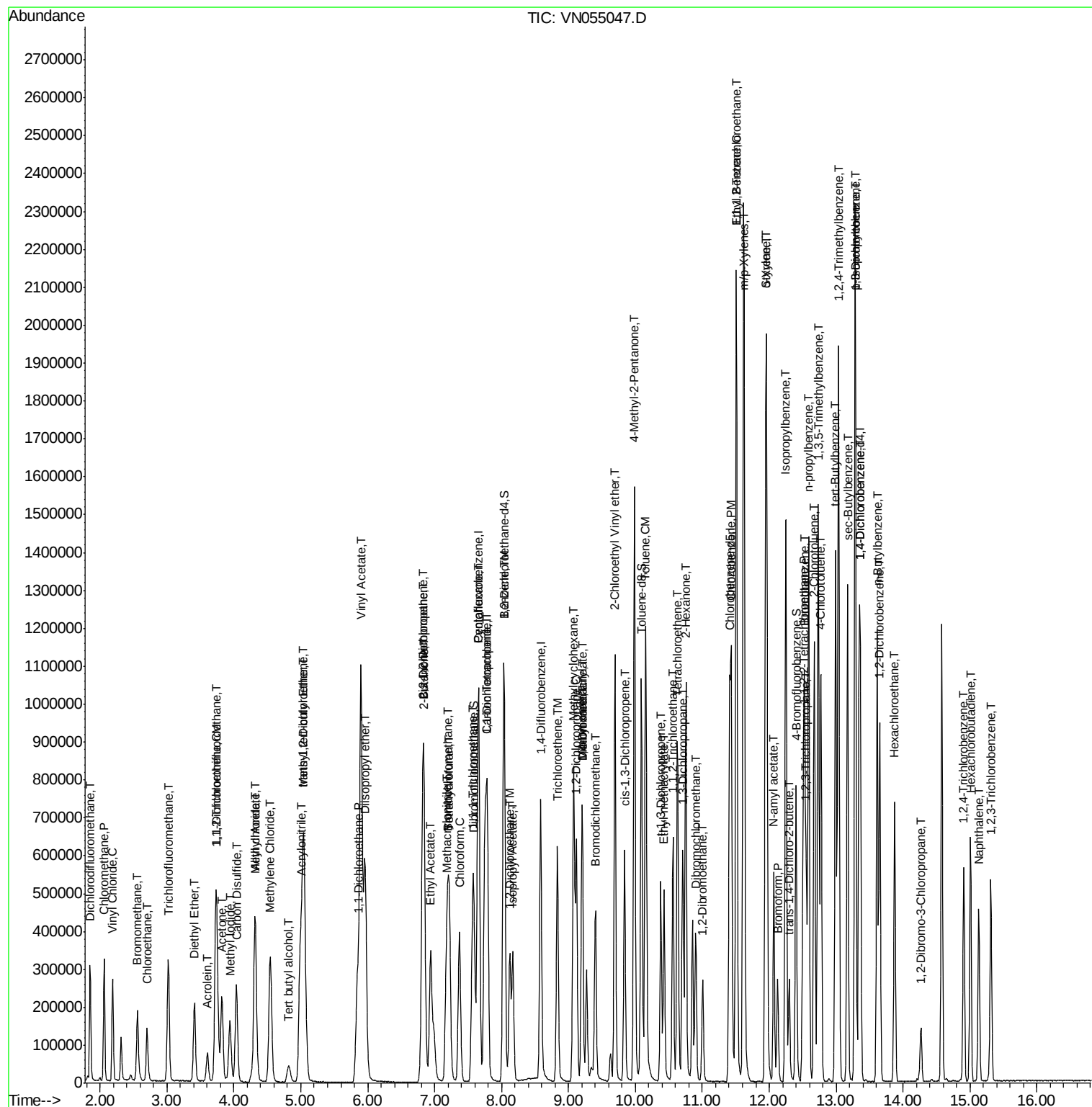
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	185667	47.315	ug/l	98
94) Hexachlorobutadiene	15.01	225	130746	48.744	ug/l	99
95) Naphthalene	15.13	128	397597	43.593	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185335	55.320	ug/l	99

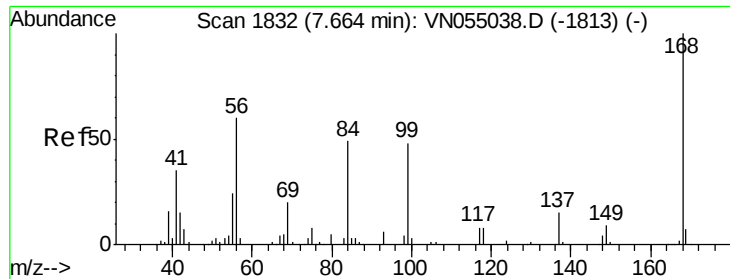
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

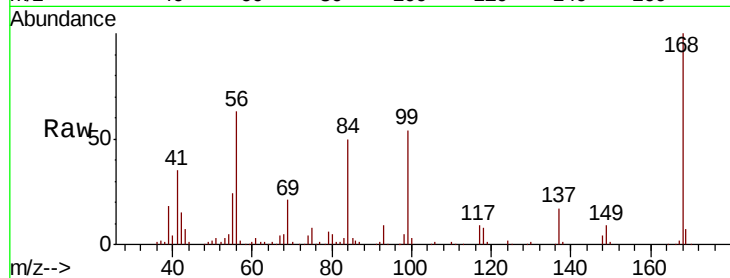
VSTDCCC050

Tot Ion:168 Resp: 428952

Ion Ratio Lower Upper

168 100

99 53.6 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

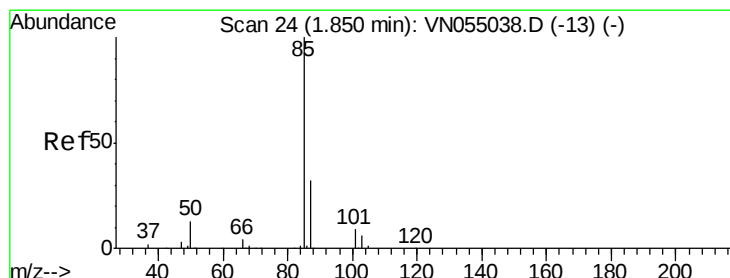
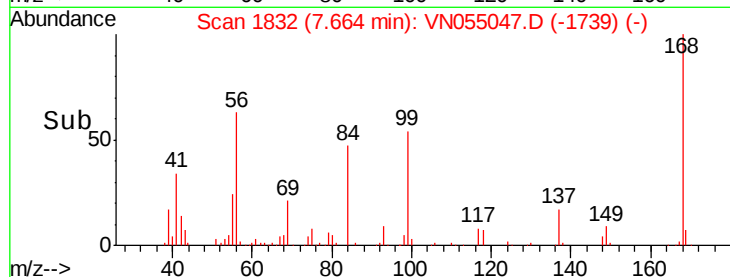
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.084 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055047.D

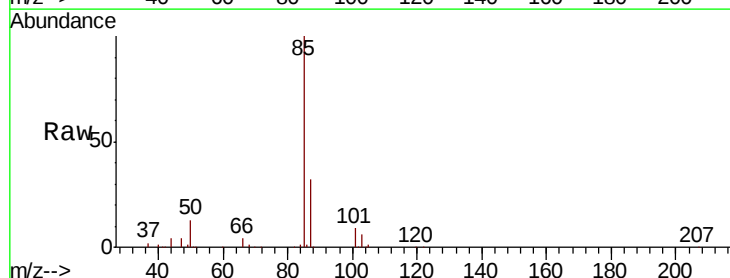
Acq: 15 Apr 2019 16:51

Tgt Ion: 85 Resp: 229527

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

200000

150000

100000

50000

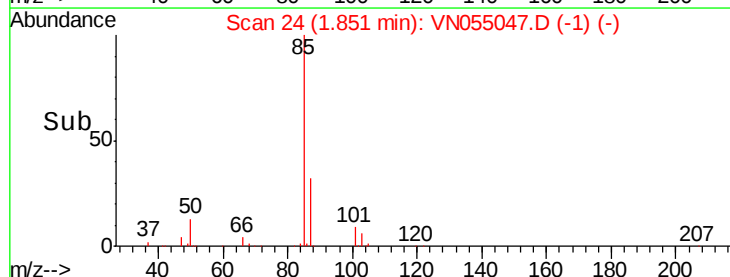
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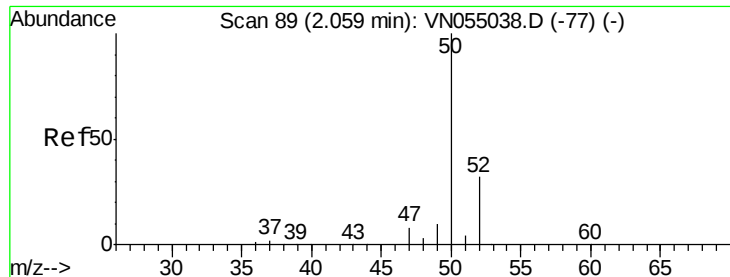
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 44.917 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

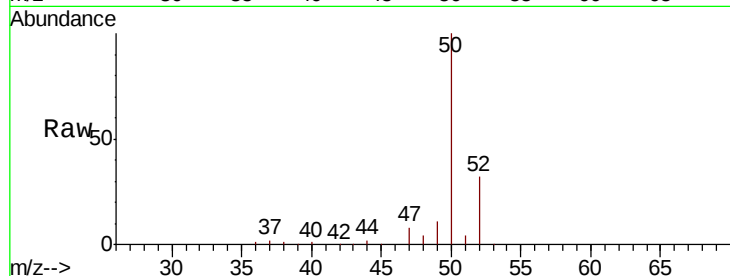
VSTDCCC050

Tot Ion: 50 Resp: 285590

Ion Ratio Lower Upper

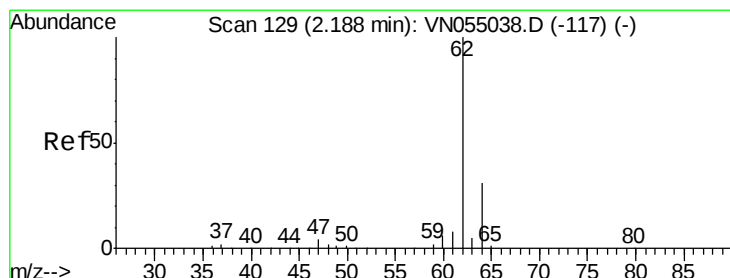
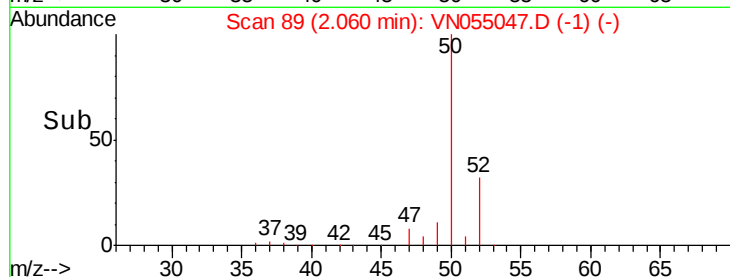
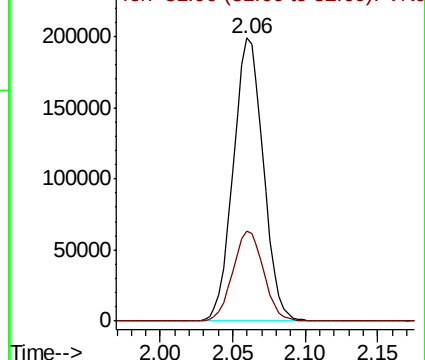
50 100

52 31.8 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 45.125 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055047.D

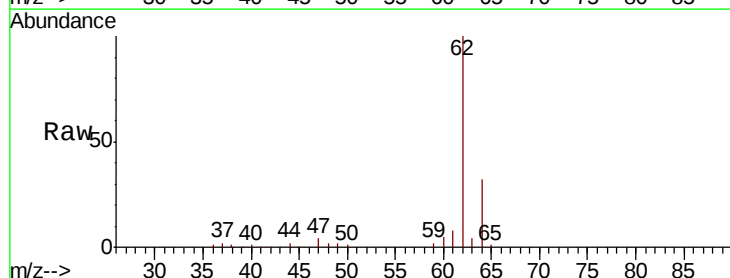
Acq: 15 Apr 2019 16:51

Tgt Ion: 62 Resp: 241158

Ion Ratio Lower Upper

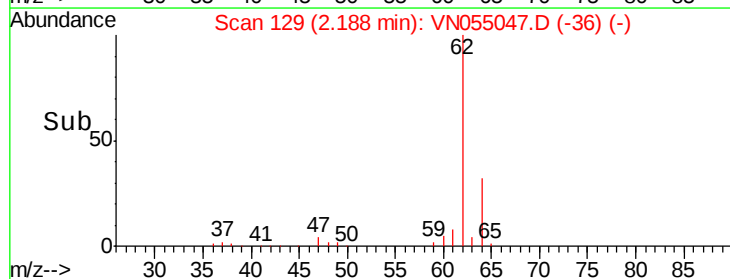
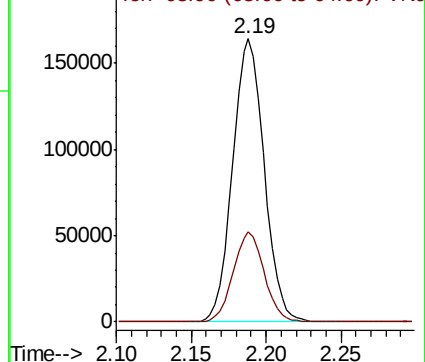
62 100

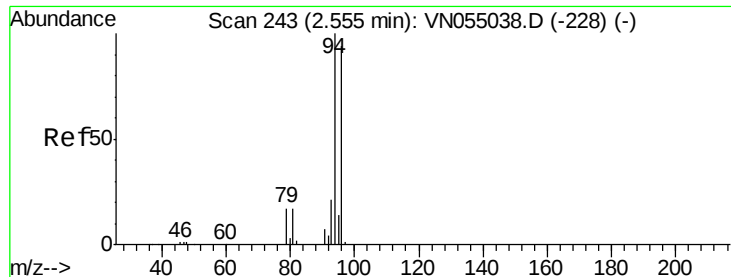
64 31.7 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 43.870 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

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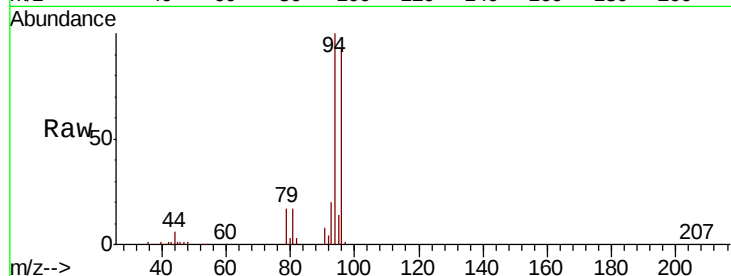
VSTDCCC050

Tot Ion: 94 Resp: 132635

Ion Ratio Lower Upper

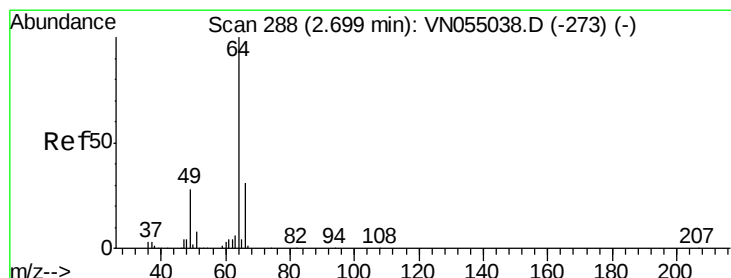
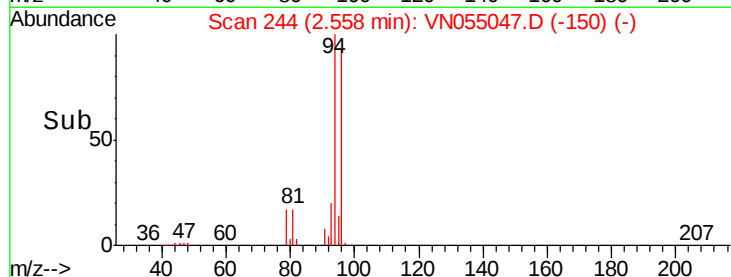
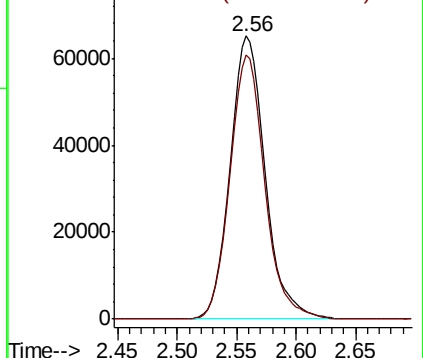
94 100

96 93.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.168 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055047.D

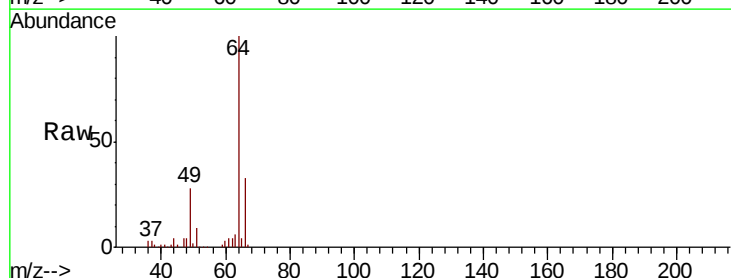
Acq: 15 Apr 2019 16:51

Tgt Ion: 64 Resp: 130176

Ion Ratio Lower Upper

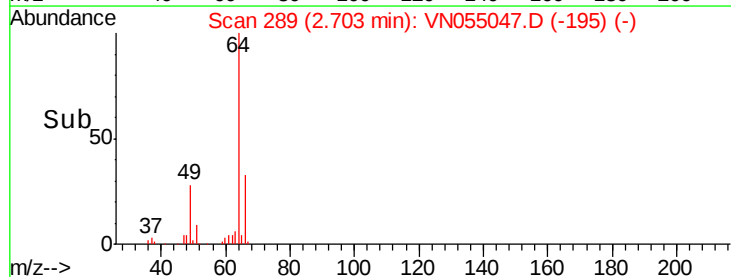
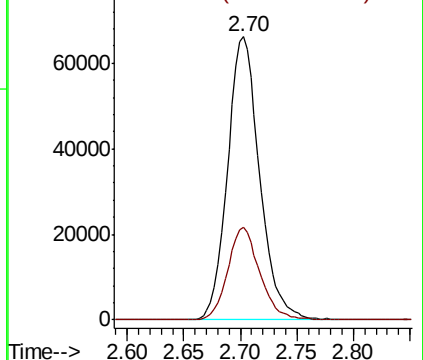
64 100

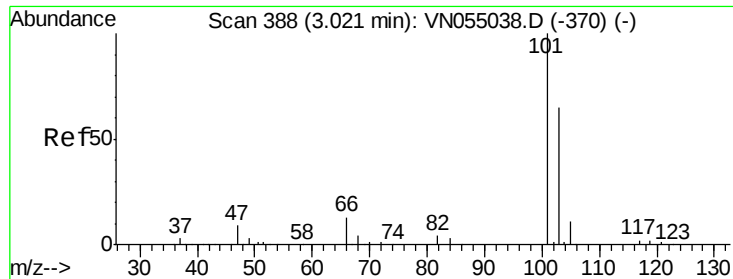
66 32.7 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



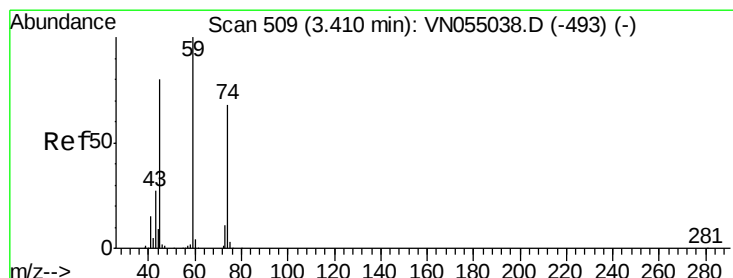
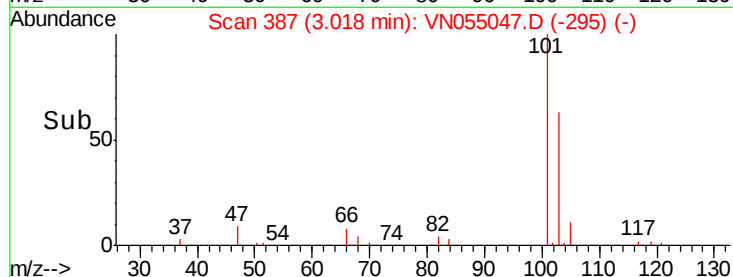
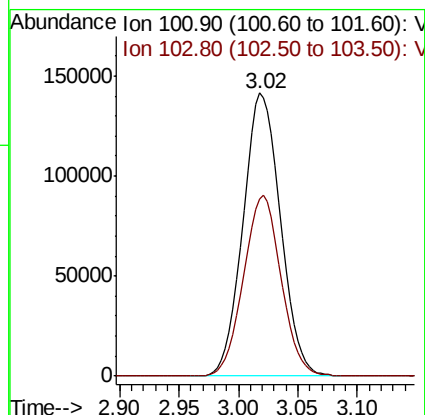
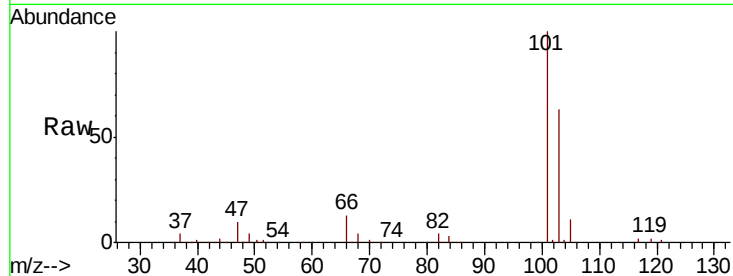


#7

Trichlorofluoromethane
Concen: 46.231 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
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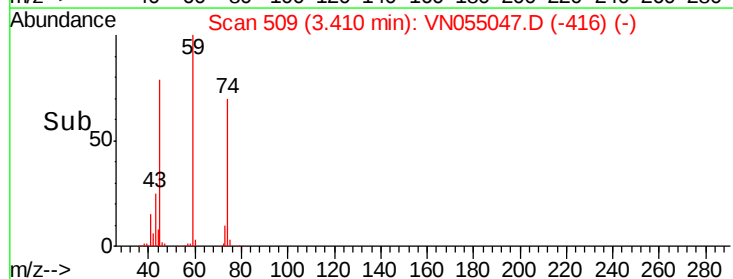
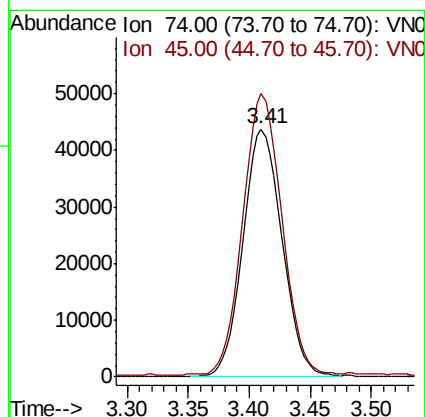
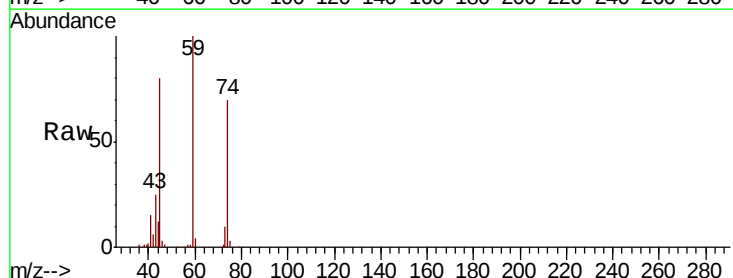
Tot Ion:101 Resp: 308994
Ion Ratio Lower Upper
101 100
103 62.8 52.5 78.7

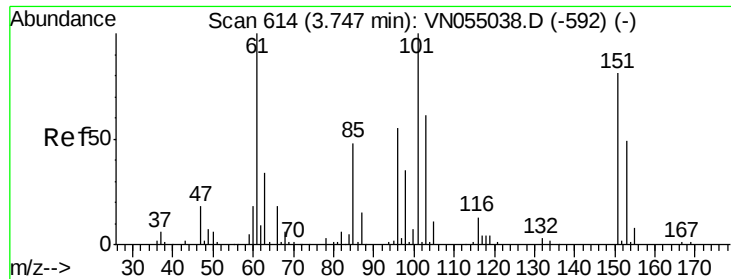


#8

Diethyl Ether
Concen: 45.523 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 74 Resp: 97122
Ion Ratio Lower Upper
74 100
45 112.2 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.991 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

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VSTDCCC050

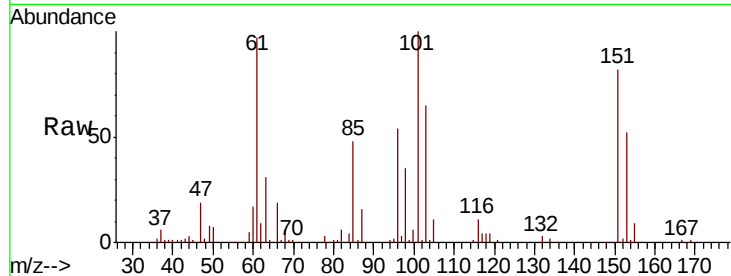
Tot Ion:101 Resp: 164362

Ion Ratio Lower Upper

101 100

85 45.5 36.9 55.3

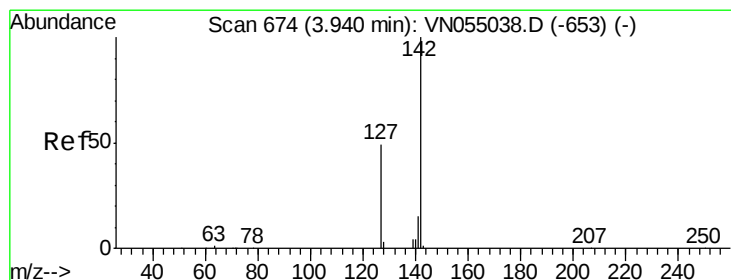
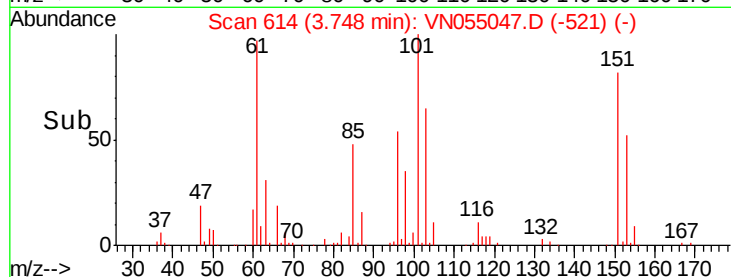
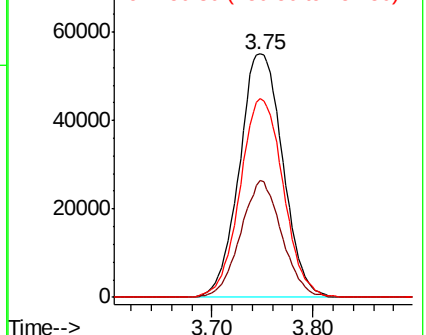
151 81.2 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.993 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

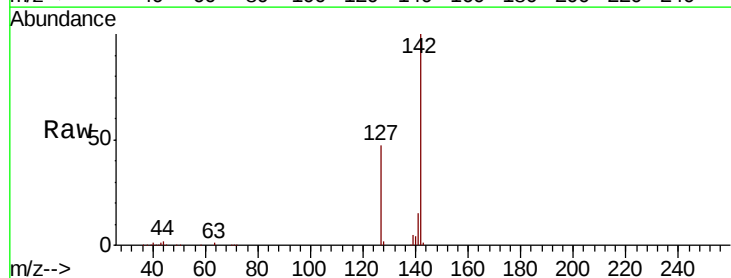
Tgt Ion:142 Resp: 249644

Ion Ratio Lower Upper

142 100

127 45.6 37.9 56.9

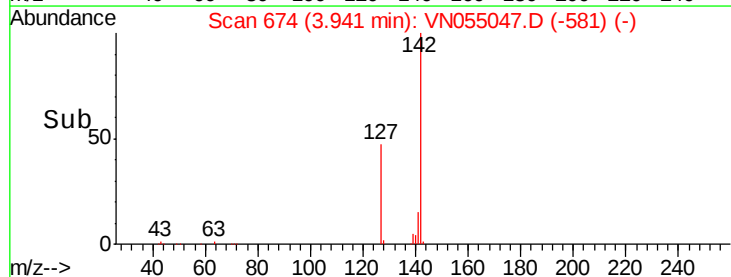
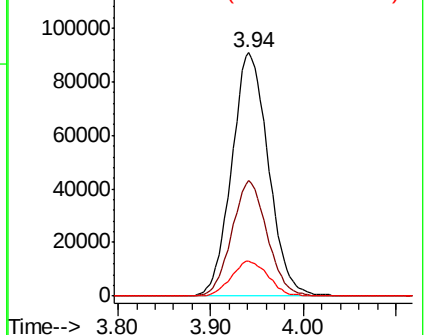
141 14.6 11.8 17.8

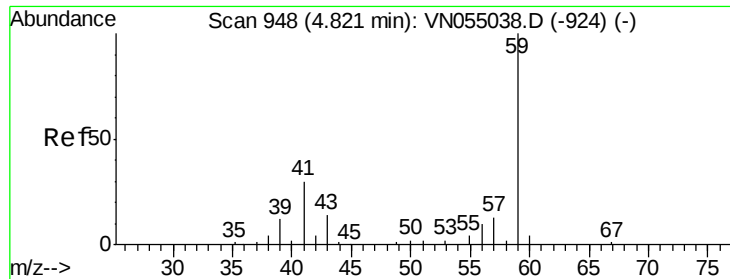


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

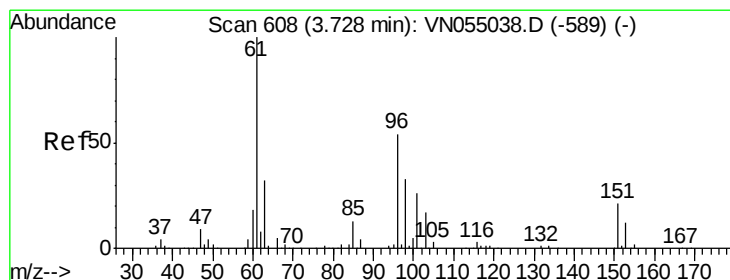
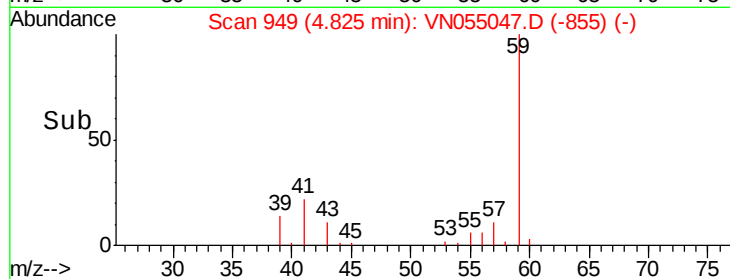
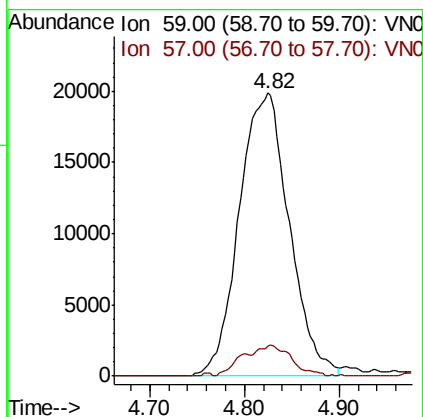
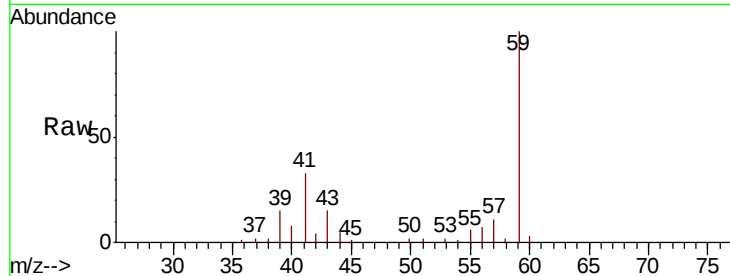




#11
Tert butyl alcohol
Concen: 233.434 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

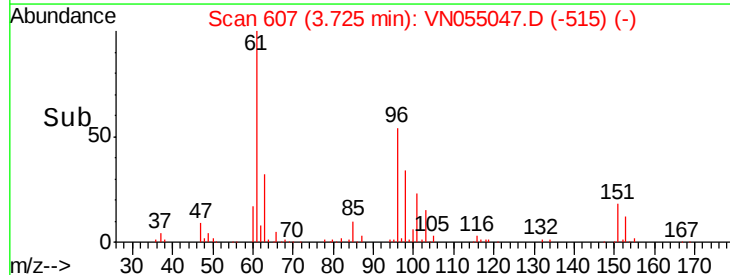
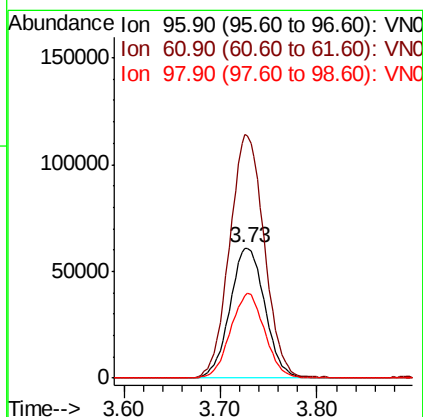
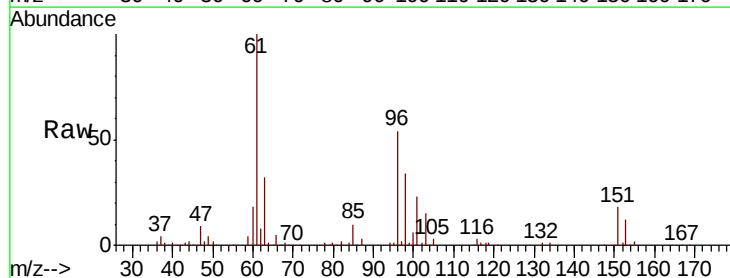
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

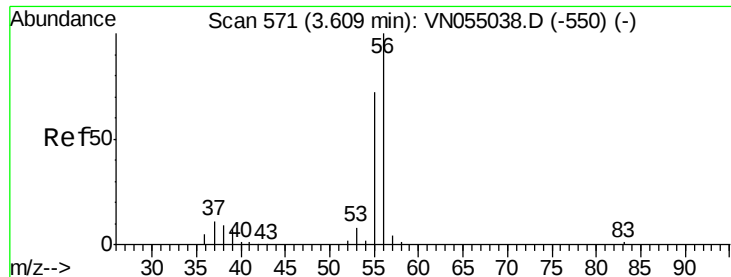
Tot Ion: 59 Resp: 72957
Ion Ratio Lower Upper
59 100
57 7.5 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 45.005 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 96 Resp: 153225
Ion Ratio Lower Upper
96 100
61 186.9 154.2 231.4
98 63.4 52.9 79.3





#13

Acrolein

Concen: 199.734 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

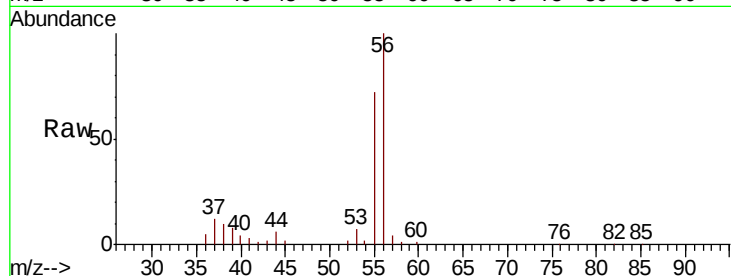
VSTDCCC050

Tot Ion: 56 Resp: 77160

Ion Ratio Lower Upper

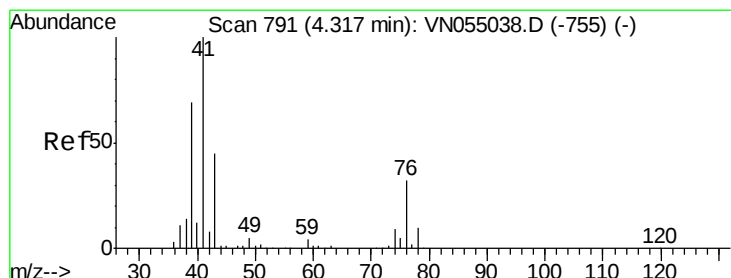
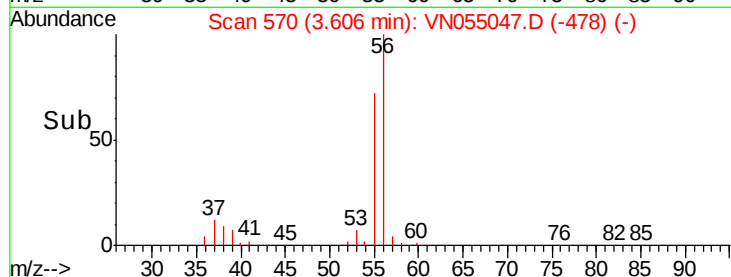
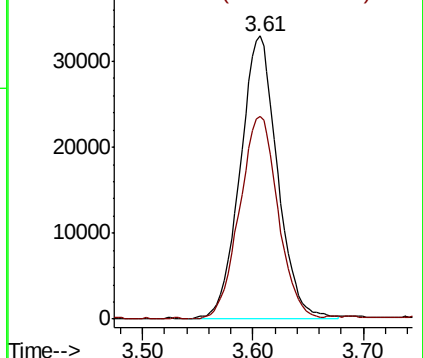
56 100

55 74.0 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN055038.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN055038.D (-550) (-)



#14

Allyl chloride

Concen: 46.781 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

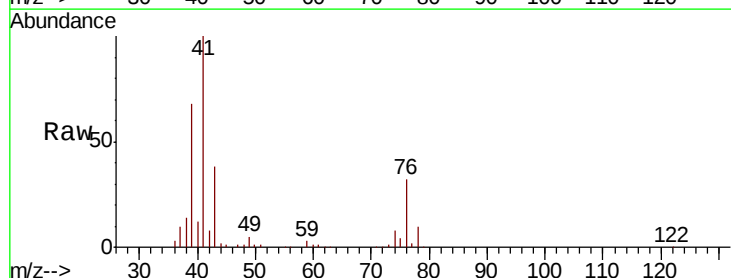
Tgt Ion: 41 Resp: 389866

Ion Ratio Lower Upper

41 100

39 65.8 52.7 79.1

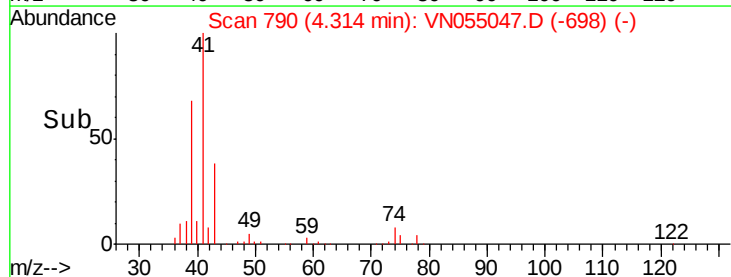
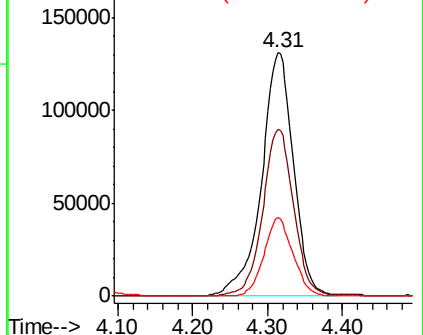
76 29.2 23.2 34.8

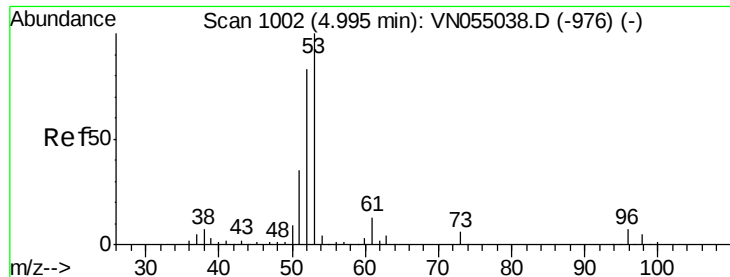


Abundance Ion 41.00 (40.70 to 41.70): VN055038.D (-755) (-)

Ion 39.00 (38.70 to 39.70): VN055038.D (-755) (-)

Ion 75.90 (75.60 to 76.60): VN055038.D (-755) (-)

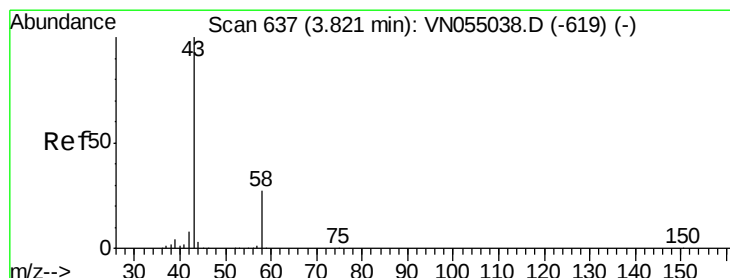
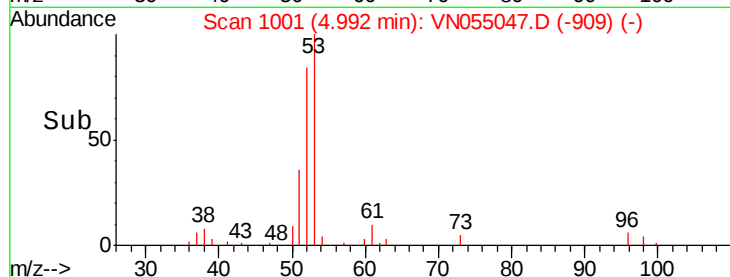
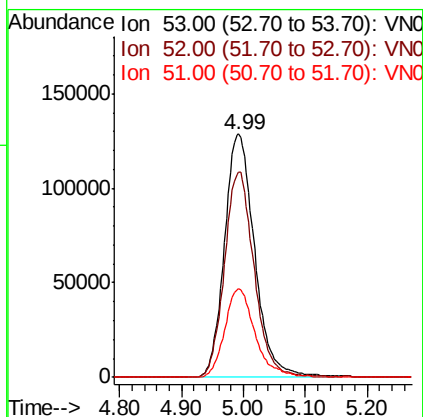
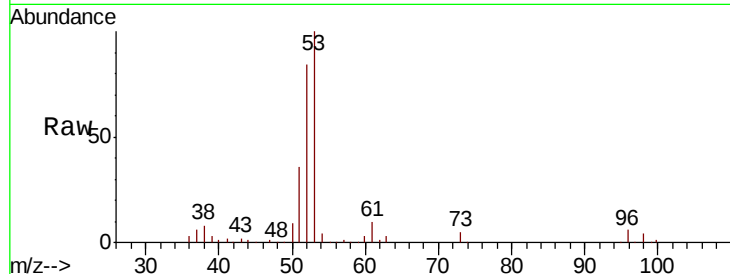




#15
 Acrylonitrile
 Concen: 232.788 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

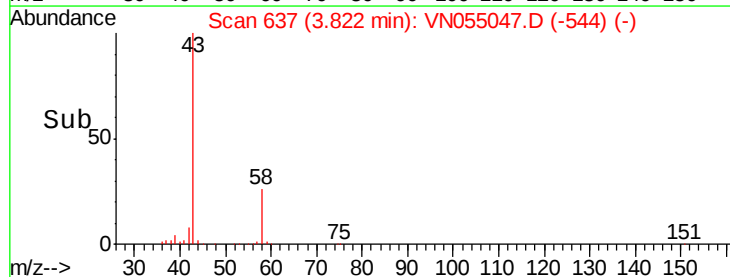
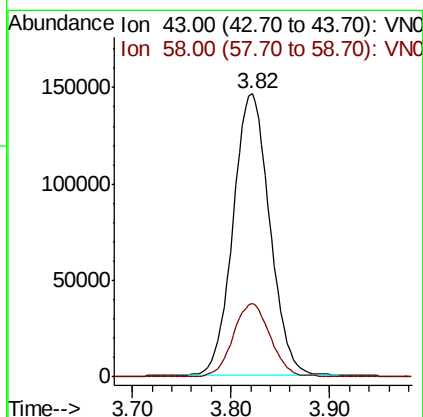
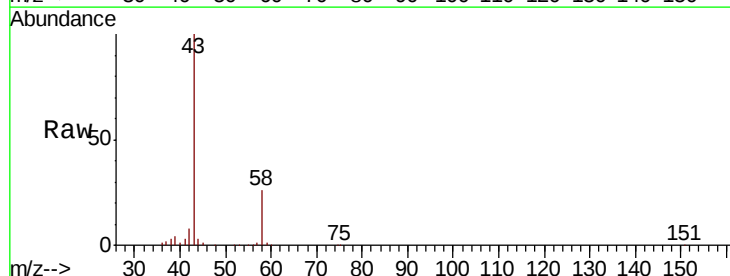
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

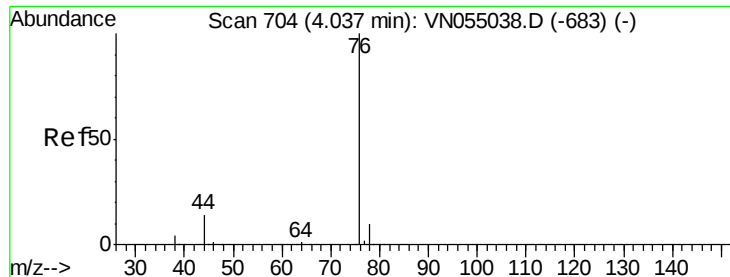
Tot Ion: 53 Resp: 435294
 Ion Ratio Lower Upper
 53 100
 52 82.8 65.9 98.9
 51 36.8 29.7 44.5



#16
 Acetone
 Concen: 242.400 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 43 Resp: 375134
 Ion Ratio Lower Upper
 43 100
 58 26.0 20.9 31.3

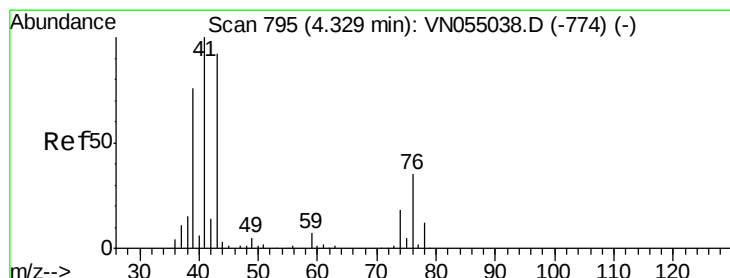
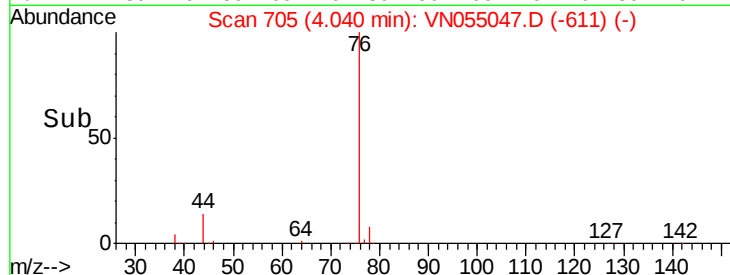
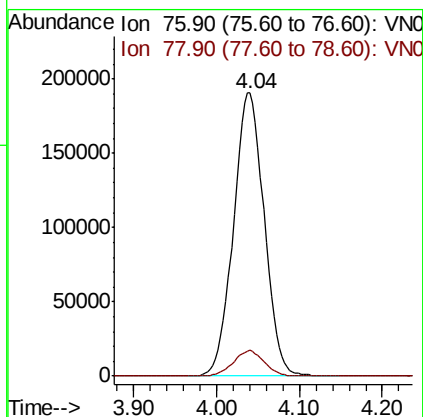
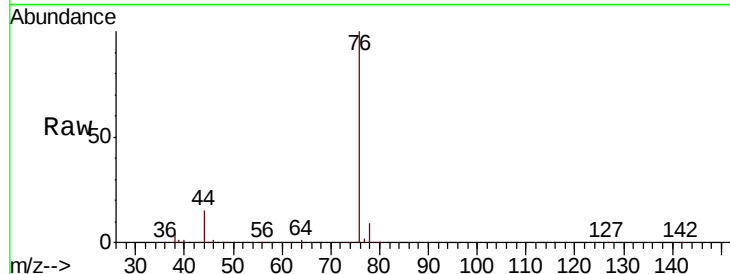




#17
Carbon Disulfide
Concen: 44.726 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

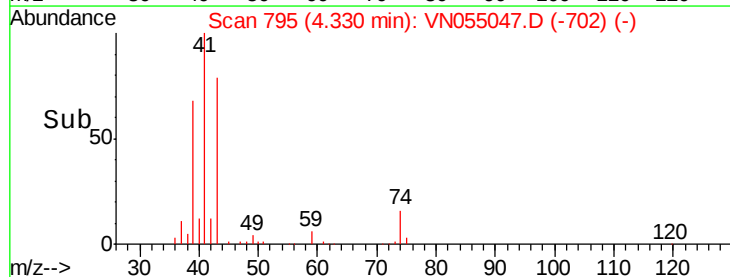
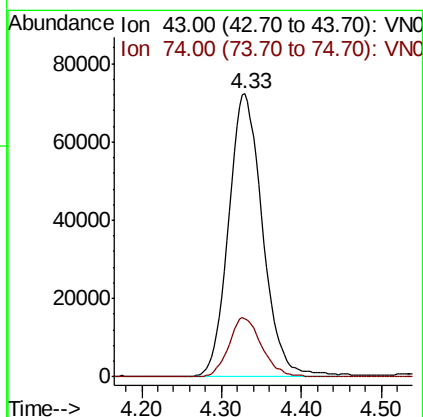
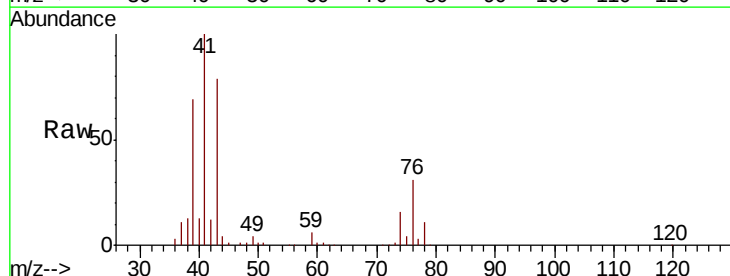
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

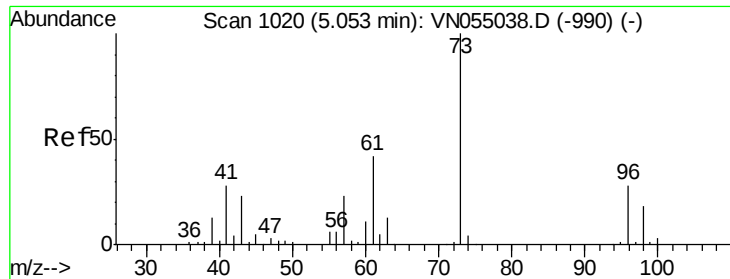
Tot Ion: 76 Resp: 491551
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 46.281 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 43 Resp: 206575
Ion Ratio Lower Upper
43 100
74 20.4 16.1 24.1

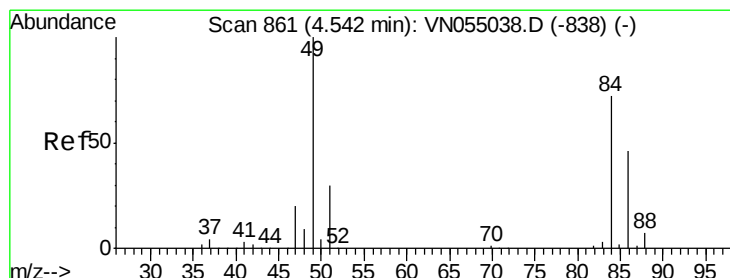
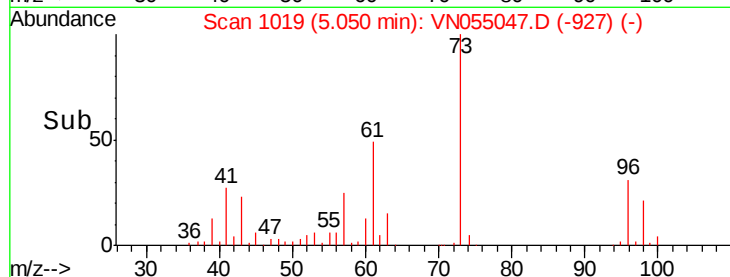
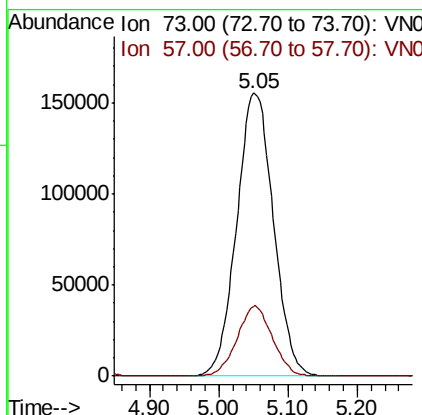
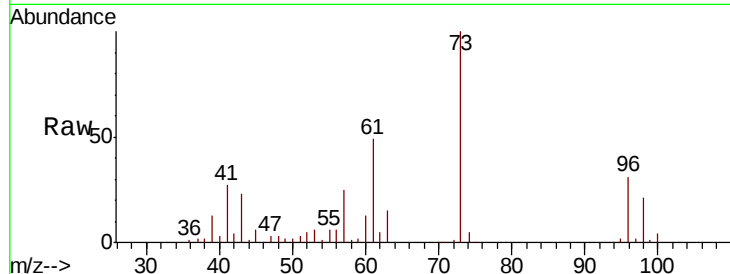




#19
Methvl tert-butvl Ether
Concen: 47.041 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

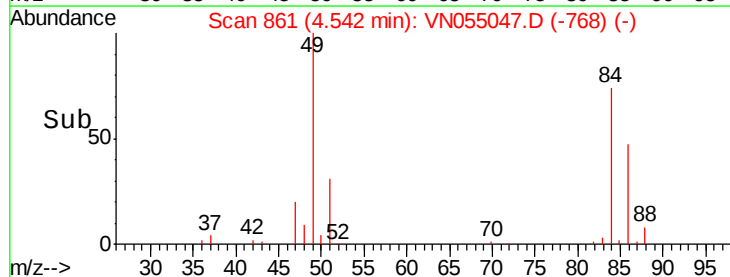
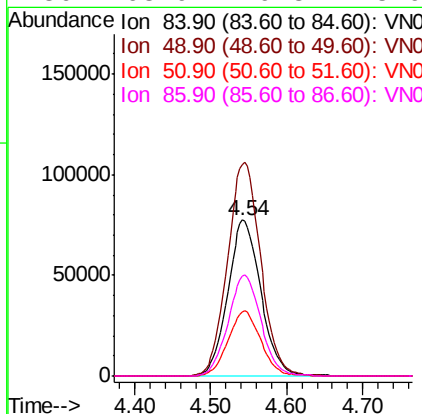
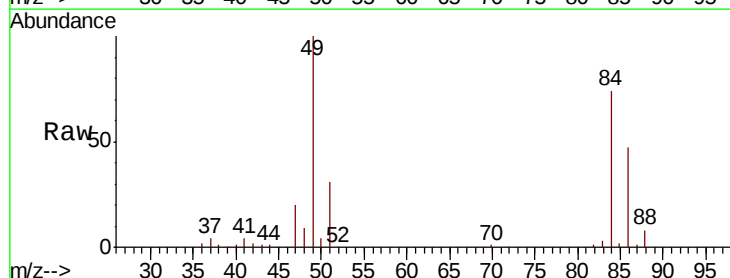
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

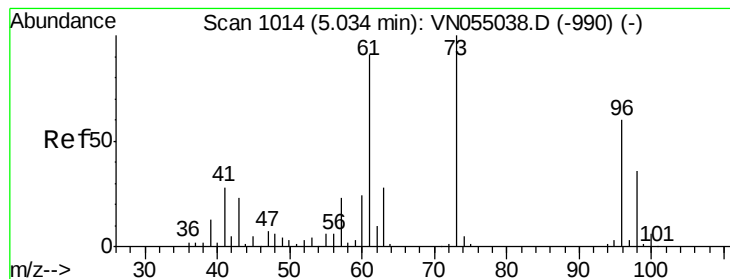
Tot Ion: 73 Resp: 572917
Ion Ratio Lower Upper
73 100
57 24.8 19.0 28.4



#20
Methylene Chloride
Concen: 42.921 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 84 Resp: 233500
Ion Ratio Lower Upper
84 100
49 135.5 109.4 164.2
51 41.5 32.2 48.4
86 63.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 45.482 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

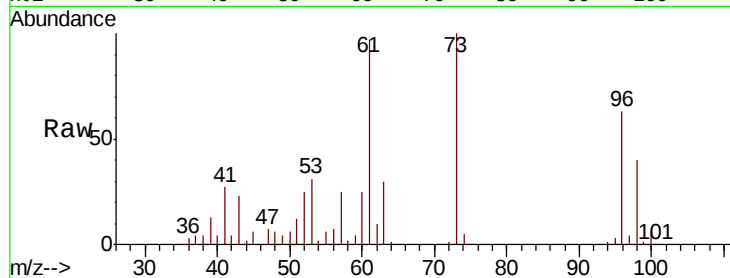
Tot Ion: 96 Resp: 209430

Ion Ratio Lower Upper

96 100

61 155.8 114.9 172.3

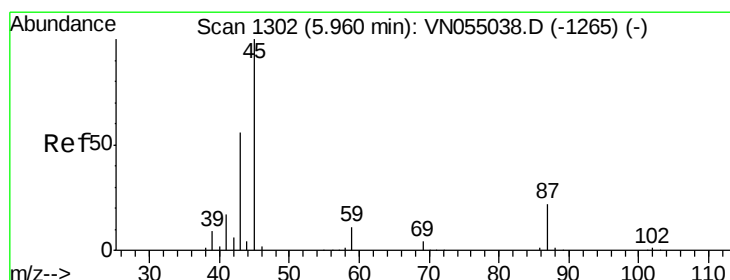
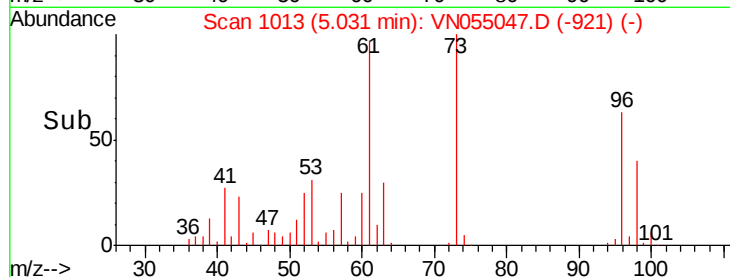
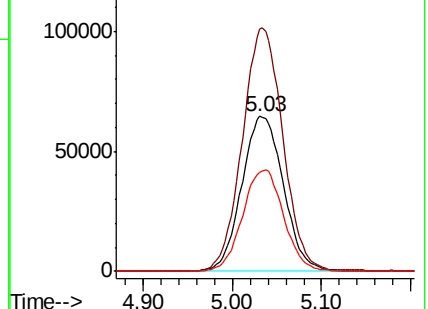
98 63.8 48.4 72.6



Abundance Ion 95.90 (95.60 to 96.60): VN055038.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055038.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-990) (-)



#22

Diisopropyl ether

Concen: 47.590 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion: 45 Resp: 815296

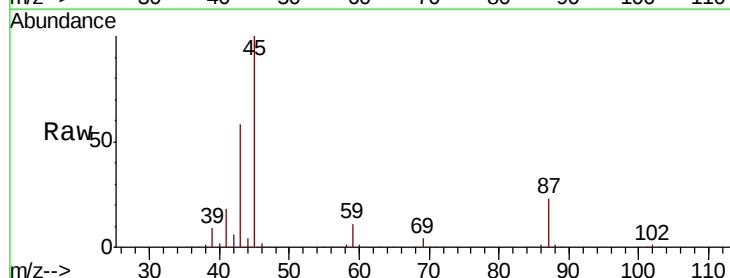
Ion Ratio Lower Upper

45 100

43 56.7 44.8 67.2

87 23.1 18.9 28.3

59 10.5 7.9 11.9

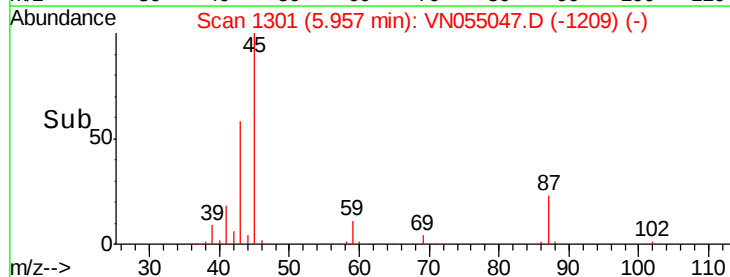
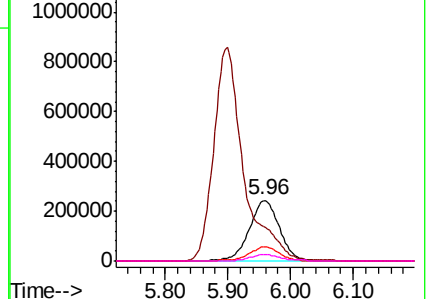


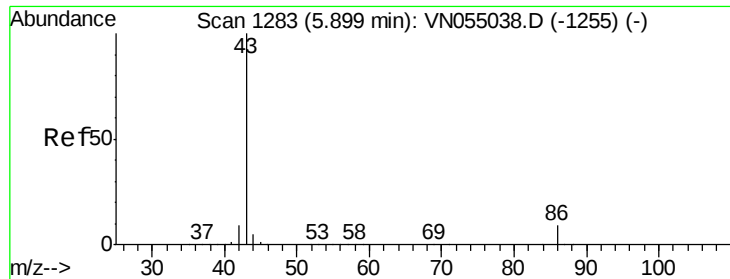
Abundance Ion 45.00 (44.70 to 45.70): VN055038.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN055038.D (-1265) (-)





#23

Vinyl Acetate

Concen: 251.914 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

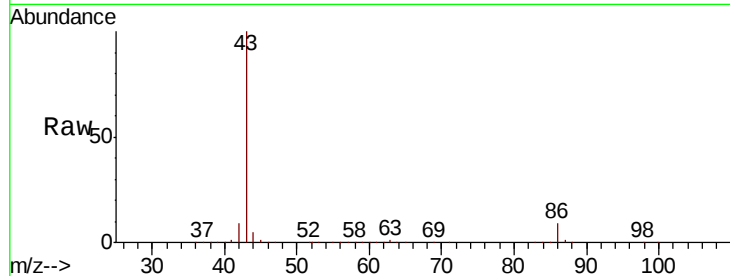
VSTDCCC050

Tot Ion: 43 Resp: 2852637

Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1255) (-)

Ion 86.00 (85.70 to 86.70): VN055038.D (-1255) (-)

5.90

800000

600000

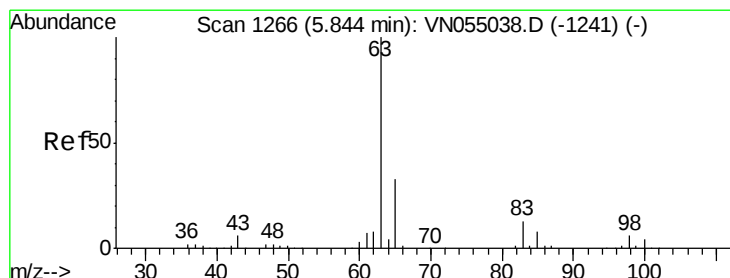
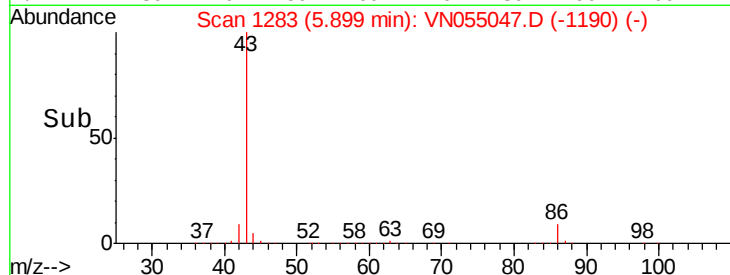
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 46.765 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

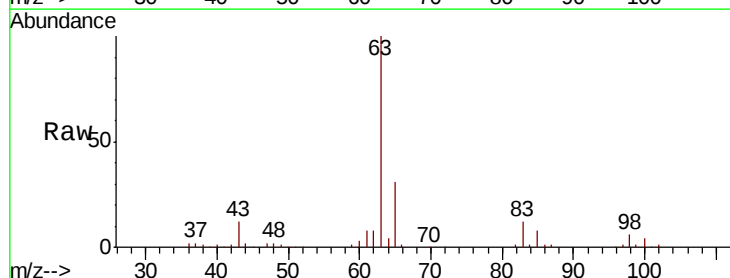
Tgt Ion: 63 Resp: 426637

Ion Ratio Lower Upper

63 100

98 6.5 2.8 8.4

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055038.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN055038.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN055038.D (-1241) (-)

5.85

150000

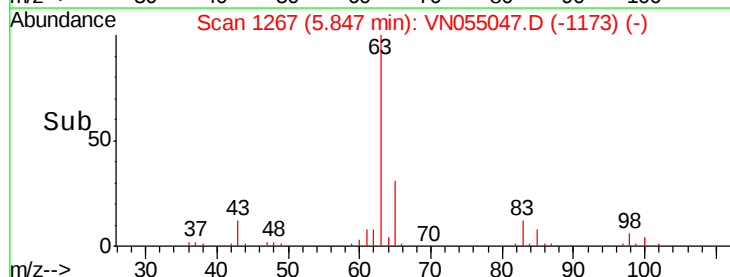
100000

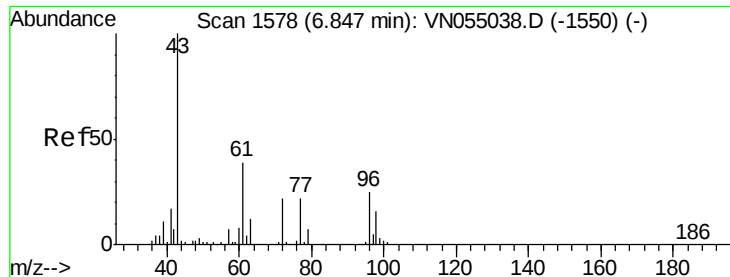
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 249.050 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

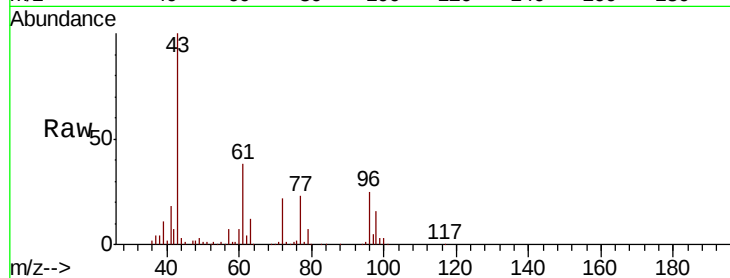
VSTDCCC050

Tot Ion: 43 Resp: 575243

Ion Ratio Lower Upper

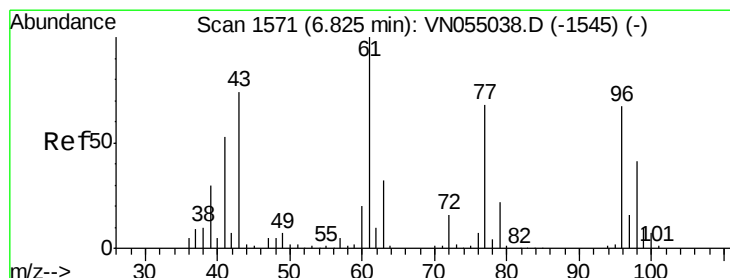
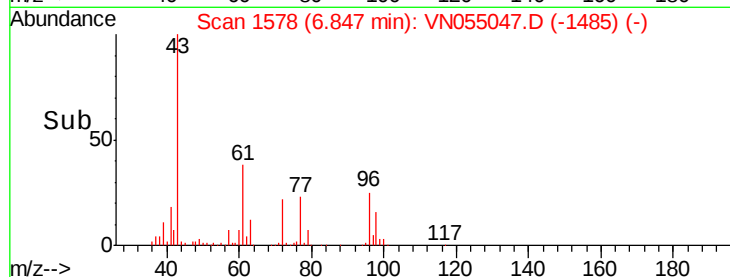
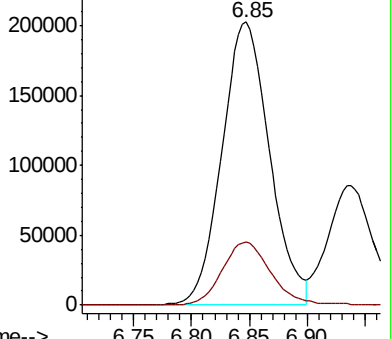
43 100

72 22.3 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.154 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN055047.D

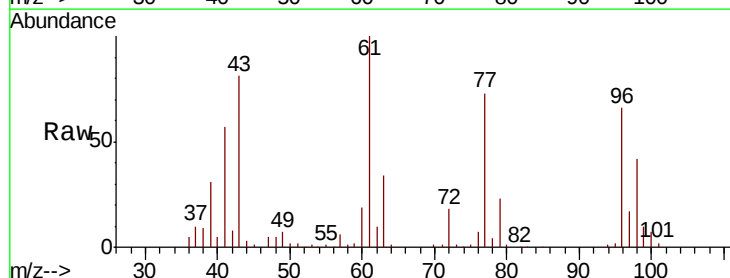
Acq: 15 Apr 2019 16:51

Tgt Ion: 77 Resp: 288793

Ion Ratio Lower Upper

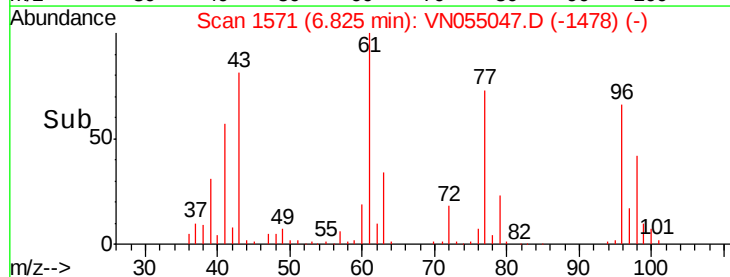
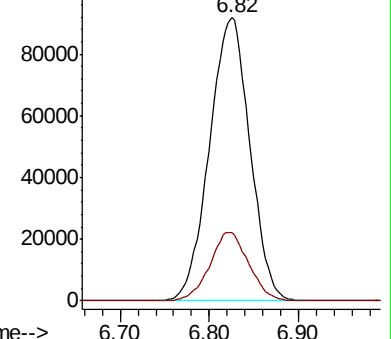
77 100

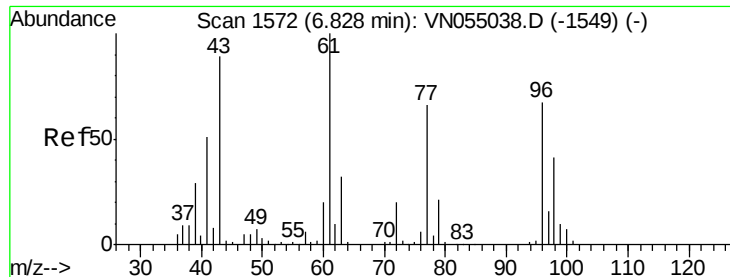
97 23.4 11.3 33.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 46.247 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

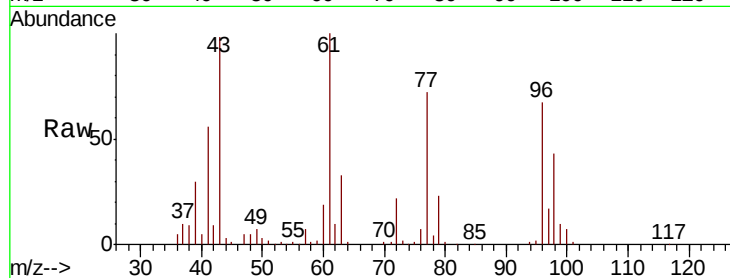
Tot Ion: 96 Resp: 240926

Ion Ratio Lower Upper

96 100

61 156.9 0.0 311.0

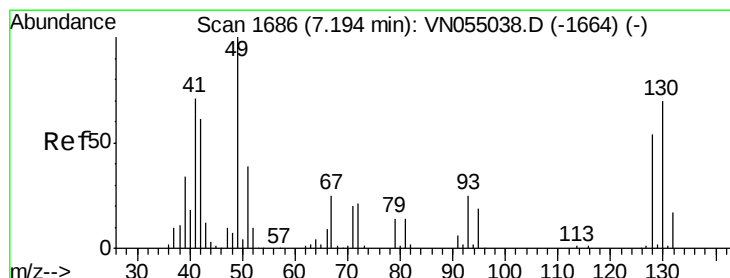
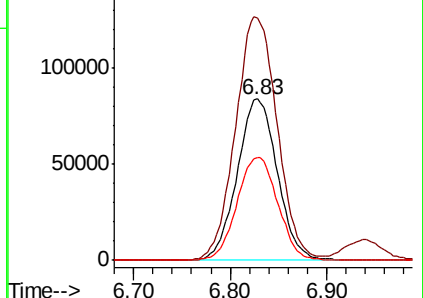
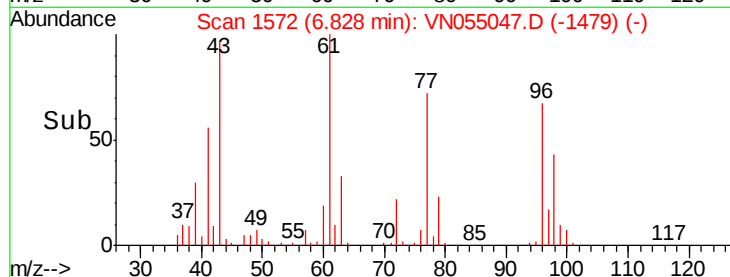
98 64.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 45.667 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

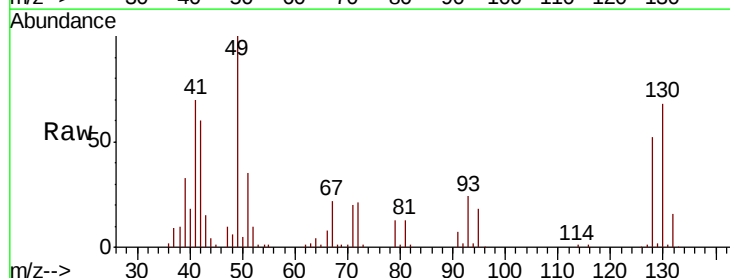
Tgt Ion: 49 Resp: 200831

Ion Ratio Lower Upper

49 100

129 1.8 0.0 2.0

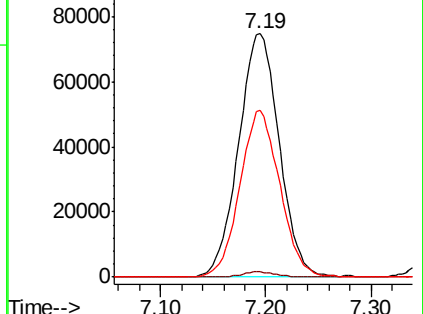
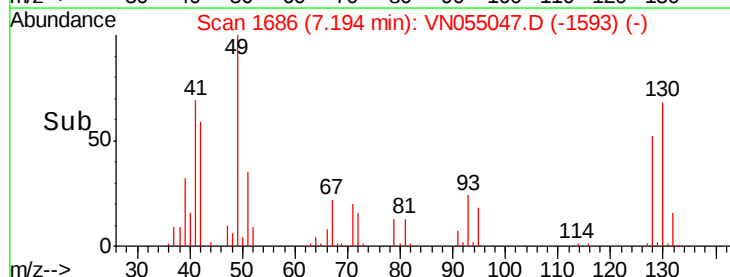
130 67.2 53.4 80.2

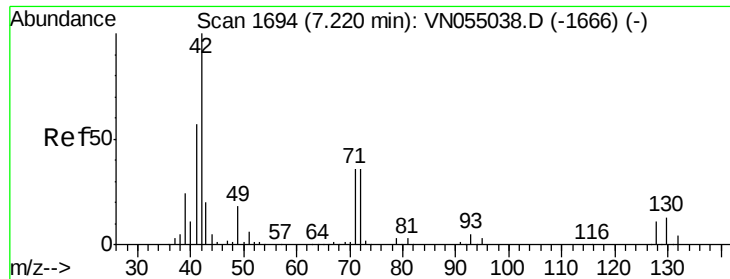


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

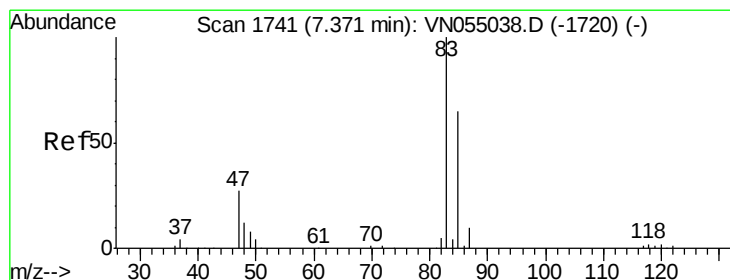
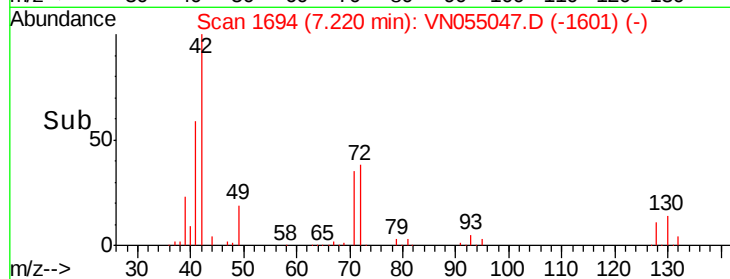
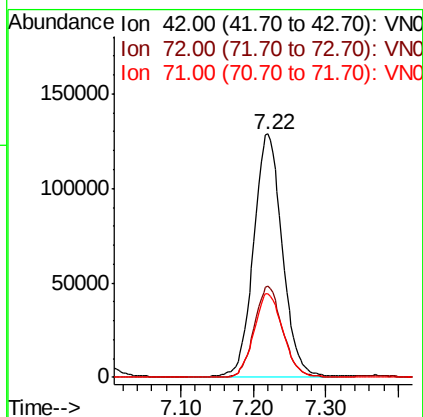
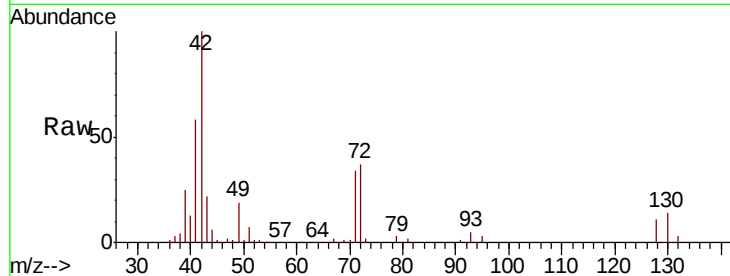




#29
Tetrahydrofuran
Concen: 233.880 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

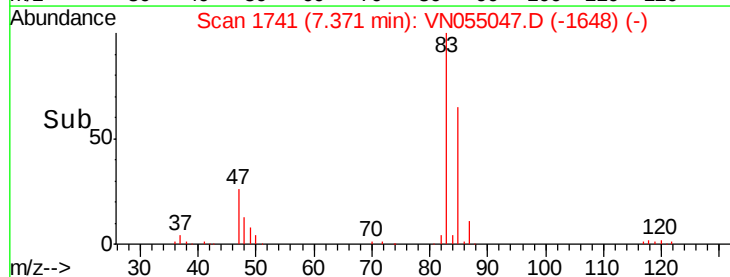
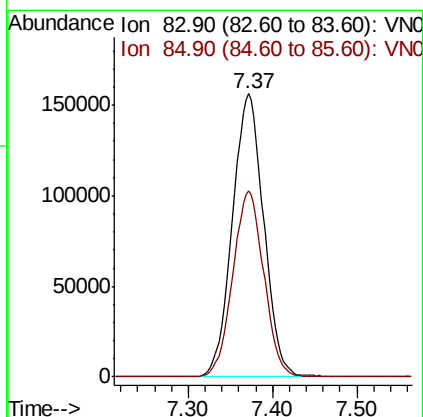
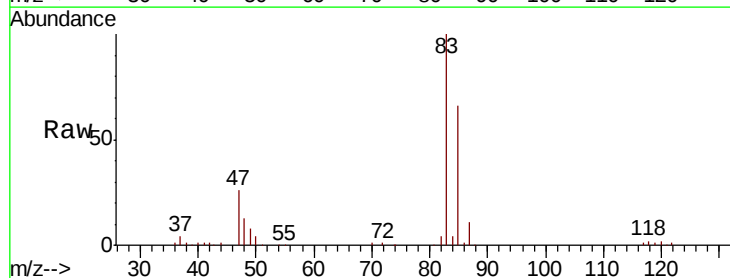
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

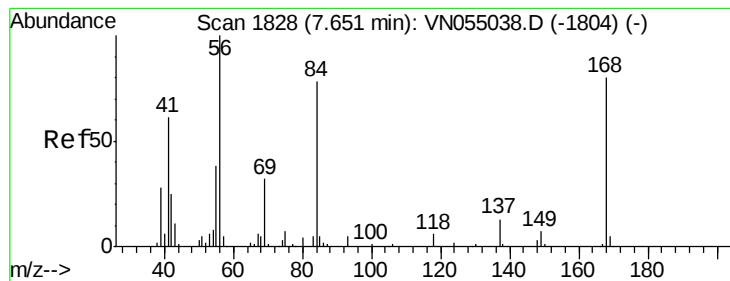
Tot Ion: 42 Resp: 354248
Ion Ratio Lower Upper
42 100
72 37.0 29.4 44.0
71 35.0 27.8 41.6



#30
Chloroform
Concen: 45.597 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 83 Resp: 404064
Ion Ratio Lower Upper
83 100
85 65.6 51.8 77.6





#31

Cyclohexane

Concen: 49.543 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

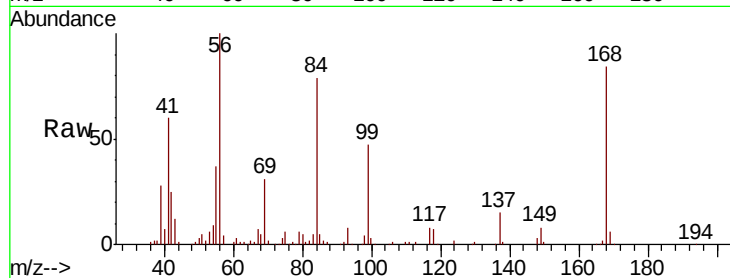
Tot Ion: 56 Resp: 399689

Ion Ratio Lower Upper

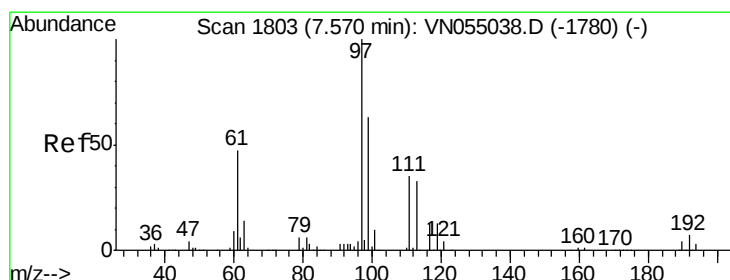
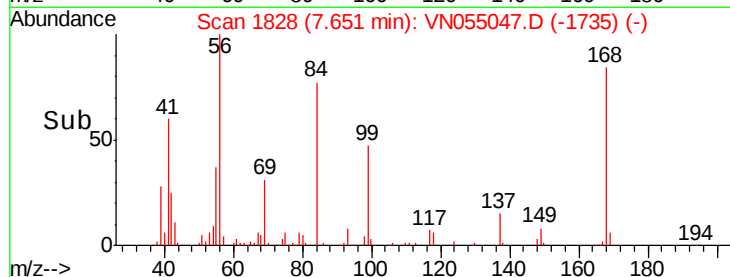
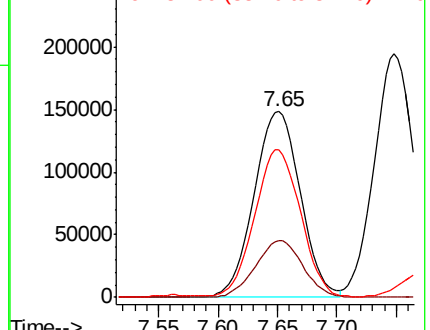
56 100

69 30.7 24.5 36.7

84 78.5 62.9 94.3



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



#32

1,1,1-Trichloroethane

Concen: 46.635 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

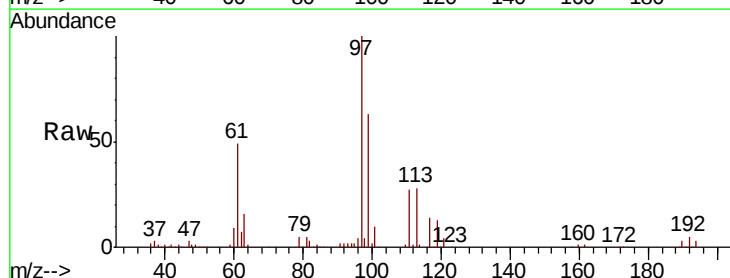
Tgt Ion: 97 Resp: 327421

Ion Ratio Lower Upper

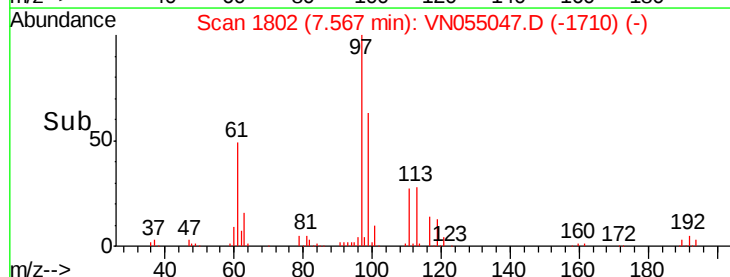
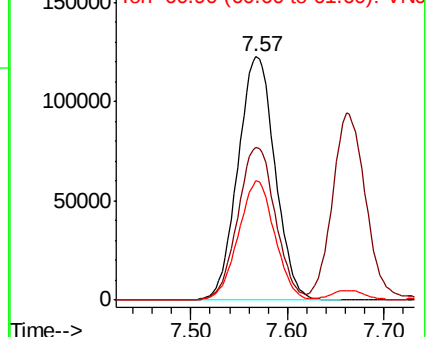
97 100

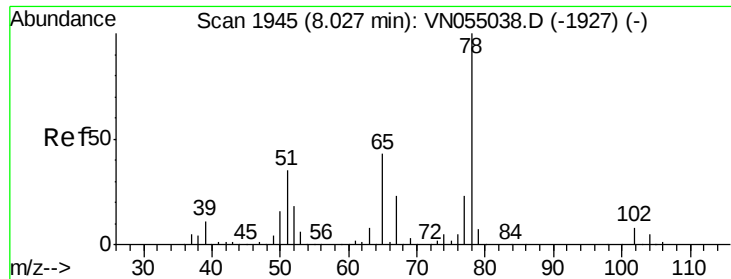
99 63.6 51.6 77.4

61 48.2 38.3 57.5



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

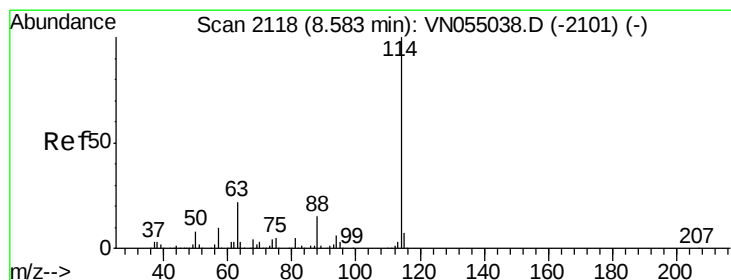
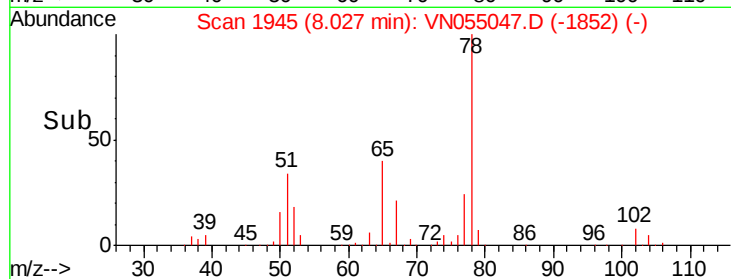
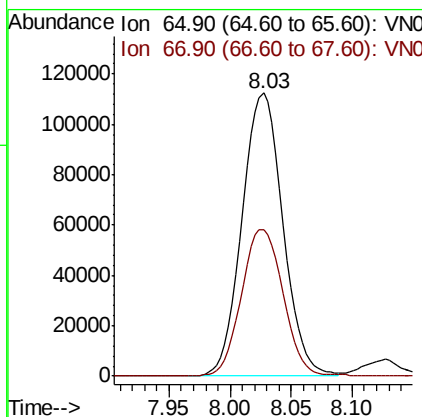
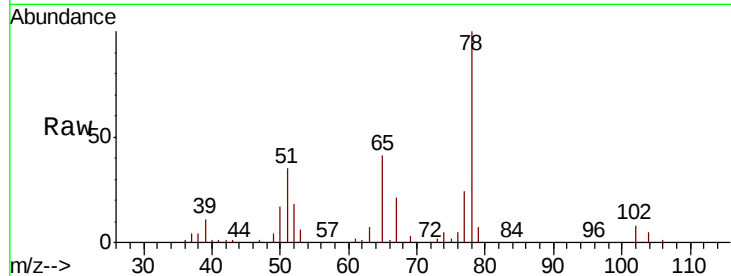




#33
 1,2-Dichloroethane-d4
 Concen: 45.715 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

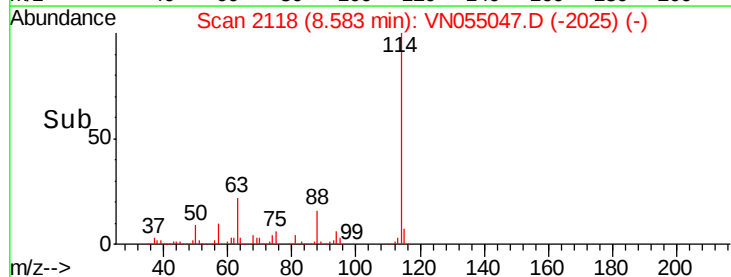
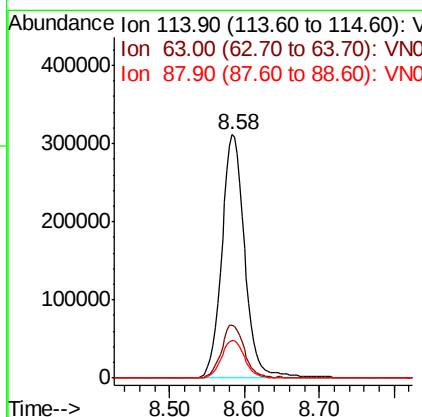
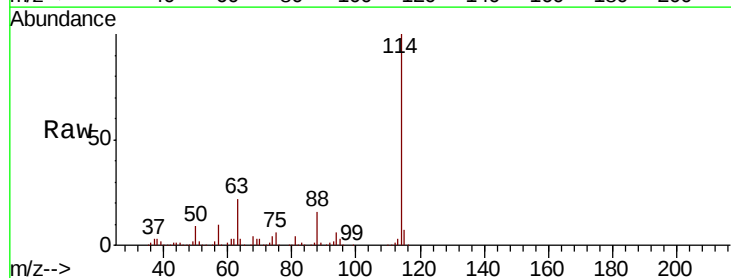
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

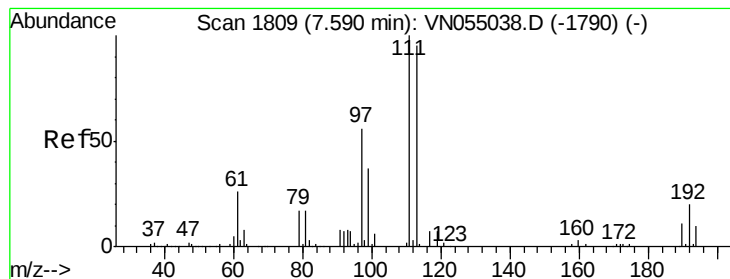
Tot Ion: 65 Resp: 260658
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 114 Resp: 659969
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 45.2
 88 15.5 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.046 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

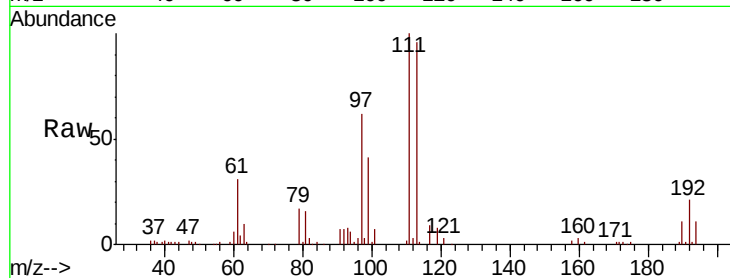
Tot Ion:113 Resp: 211913

Ion Ratio Lower Upper

113 100

111 101.7 82.1 123.1

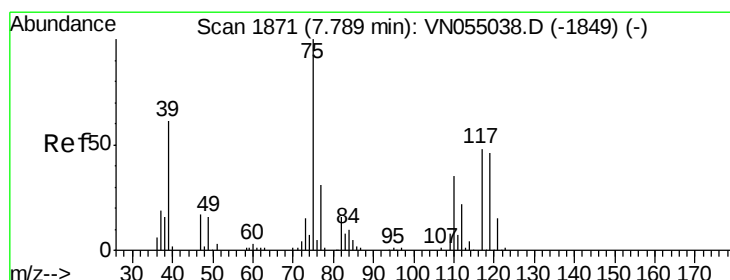
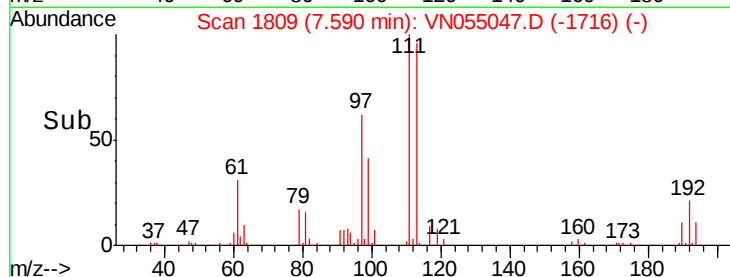
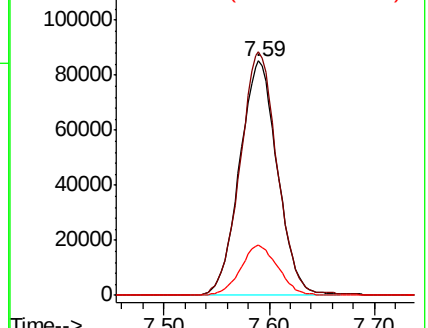
192 21.1 16.5 24.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.509 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

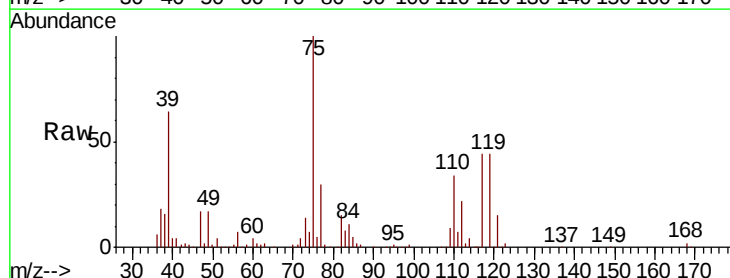
Tgt Ion: 75 Resp: 308019

Ion Ratio Lower Upper

75 100

110 34.8 17.5 52.5

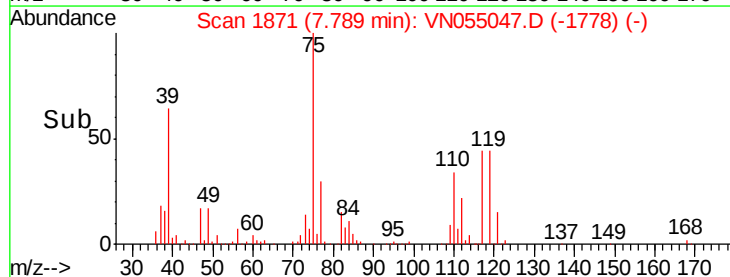
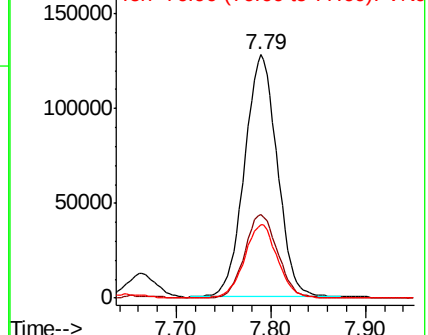
77 30.7 24.9 37.3

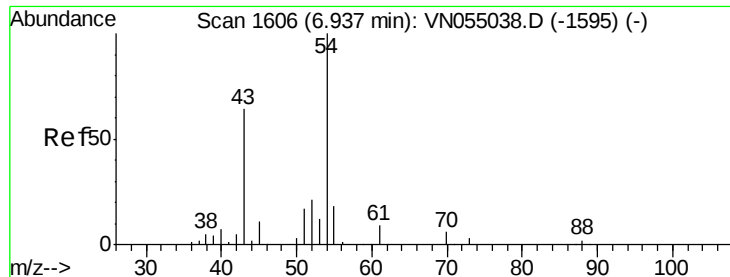


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

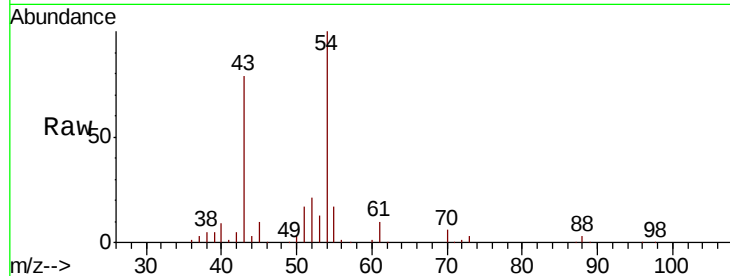




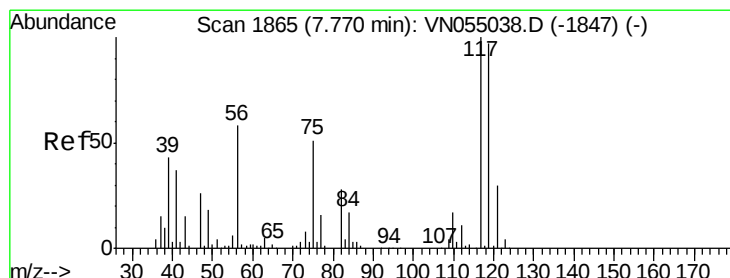
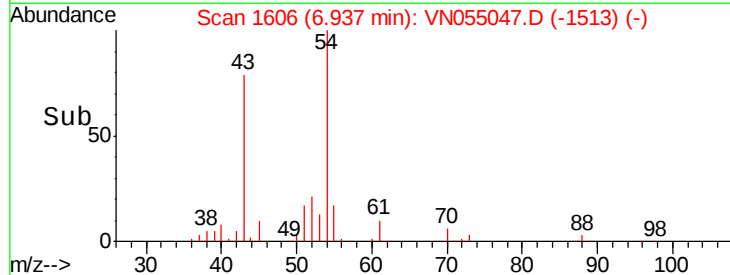
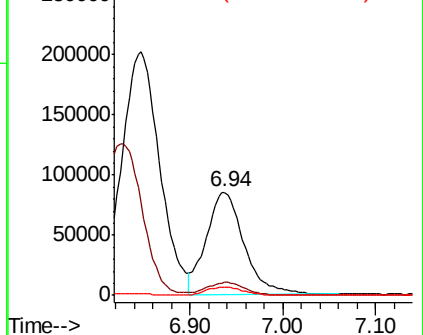
#37
Ethyl Acetate
Concen: 47.199 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 239063
Ion Ratio Lower Upper
43 100
61 12.0 10.0 15.0
70 8.2 7.1 10.7

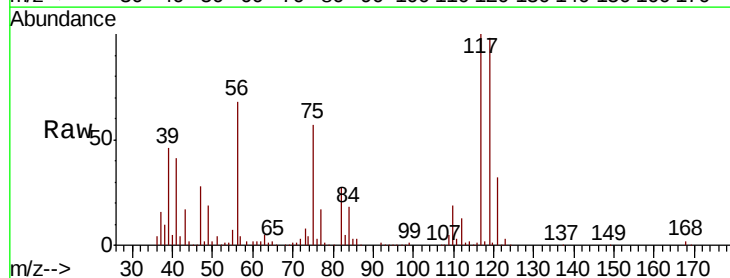


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

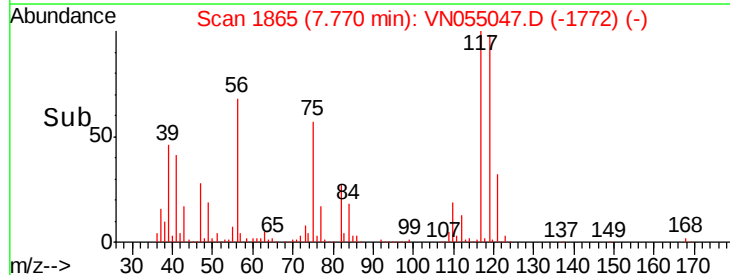
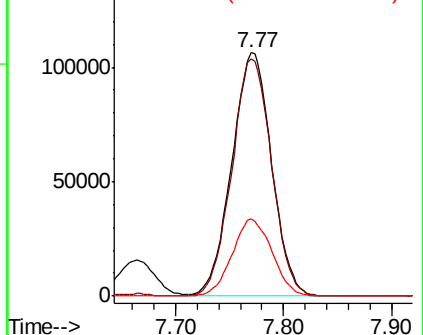


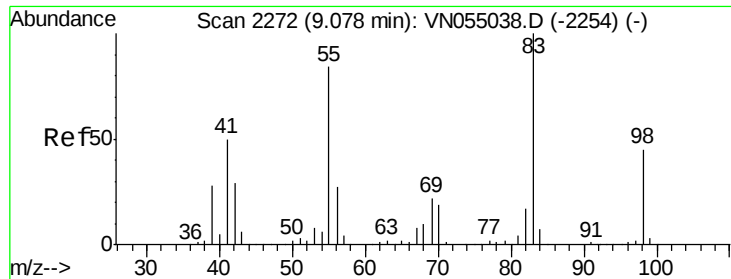
#38
Carbon Tetrachloride
Concen: 46.180 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 117 Resp: 273346
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 31.6 23.9 35.9



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

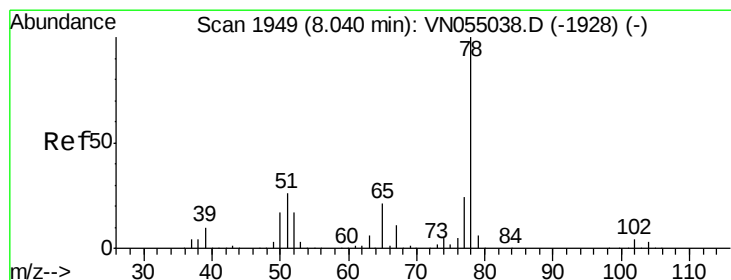
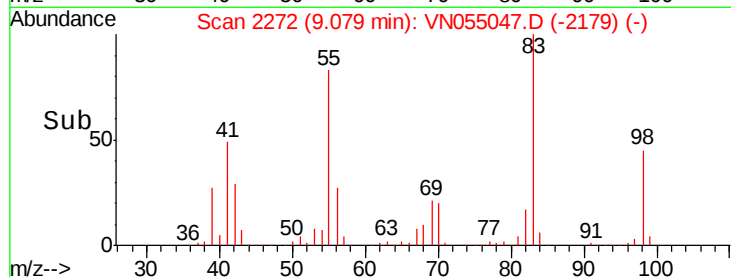
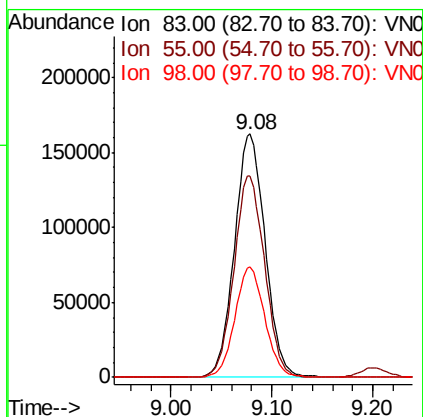
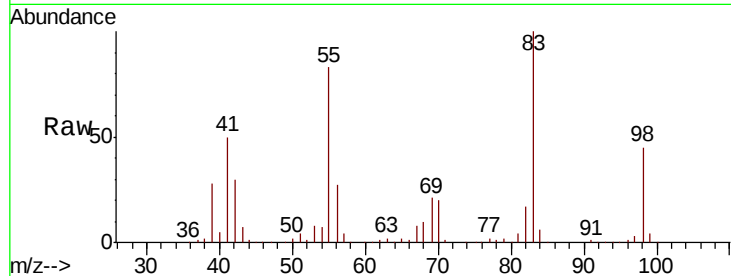




#39
Methvlcvclohexane
Concen: 50.729 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

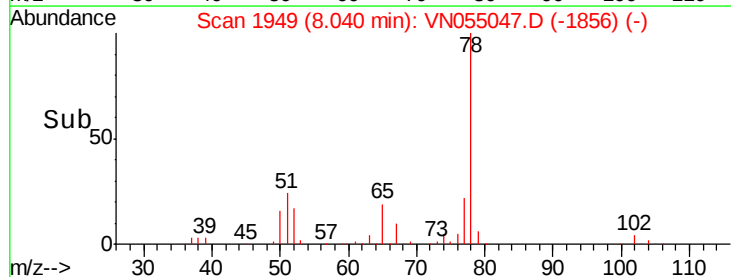
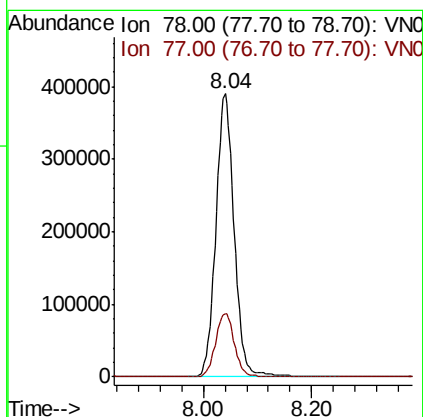
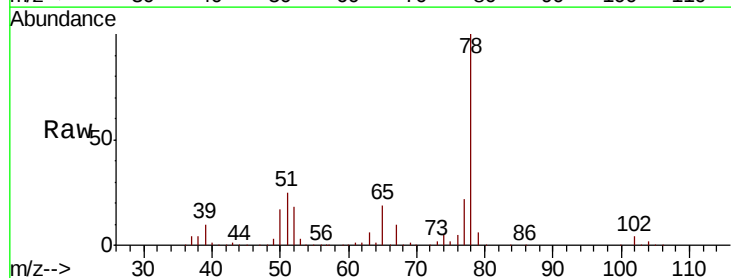
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

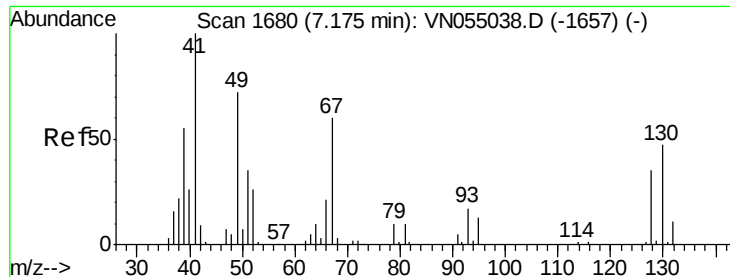
Tot Ion: 83 Resp: 342001
Ion Ratio Lower Upper
83 100
55 82.5 67.0 100.4
98 45.4 35.6 53.4



#40
Benzene
Concen: 49.145 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 78 Resp: 921506
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2

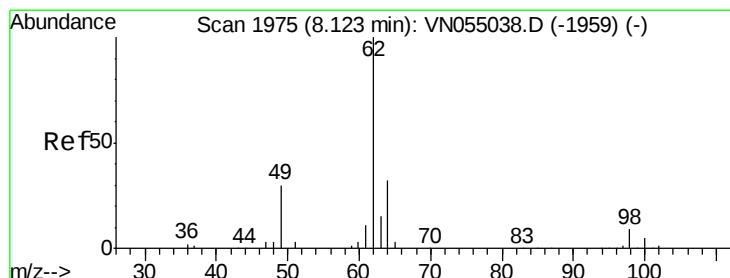
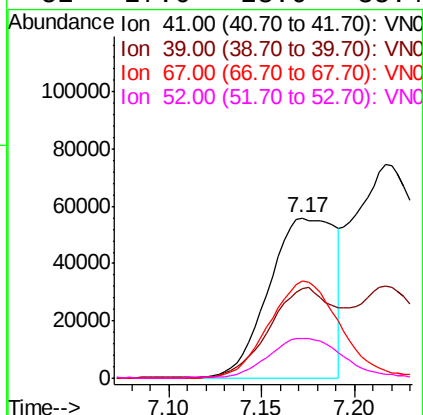
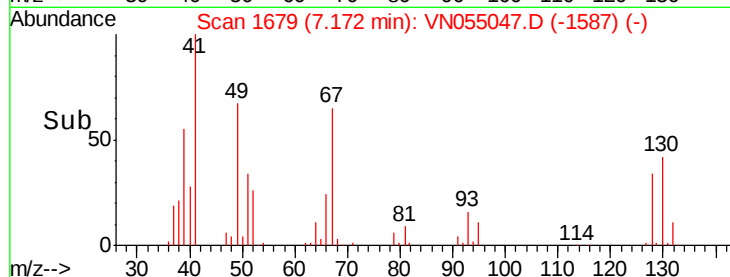
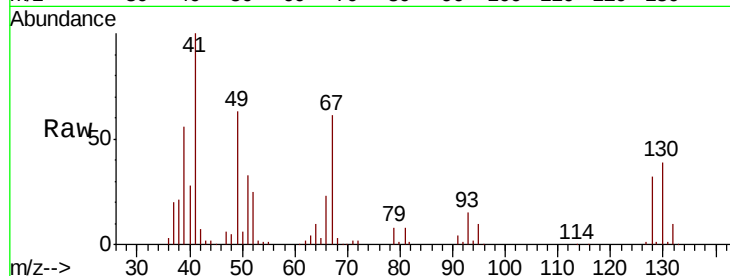




#41
Methacrylonitrile
Concen: 49.443 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

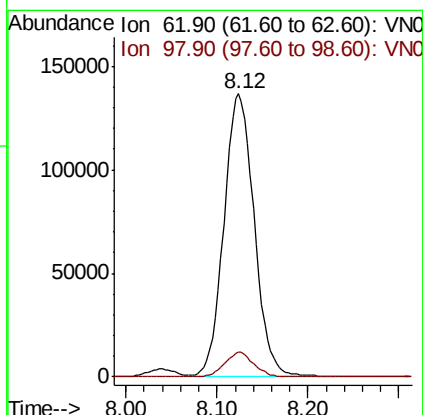
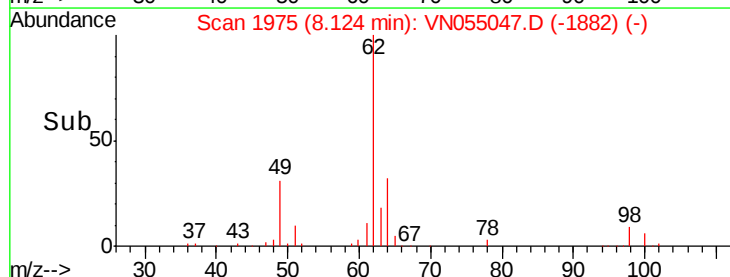
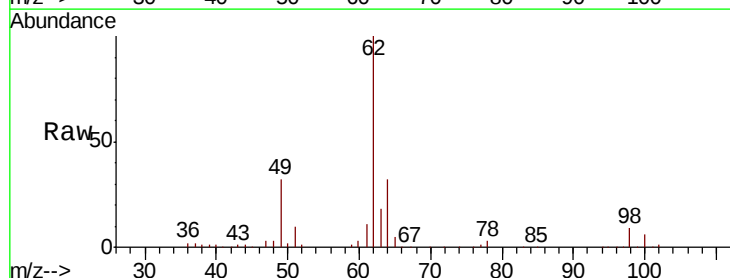
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

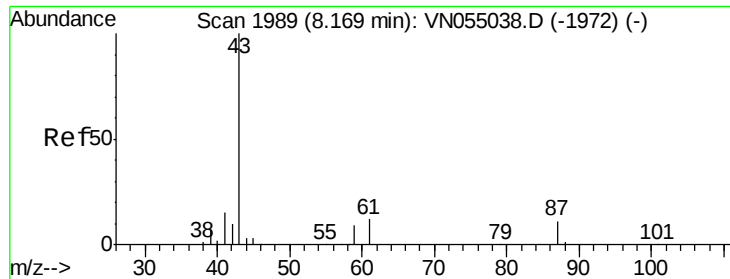
Tot Ion: 41 Resp: 139012
Ion Ratio Lower Upper
41 100
39 56.1 45.6 68.4
67 65.5 57.0 85.6
52 27.6 23.6 35.4



#42
1,2-Dichloroethane
Concen: 48.458 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 62 Resp: 315466
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.4





#43

Isopropyl Acetate

Concen: 50.477 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

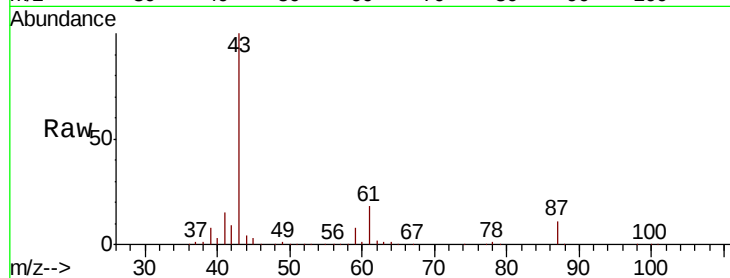
Tot Ion: 43 Resp: 393944

Ion Ratio Lower Upper

43 100

61 18.5 14.3 21.5

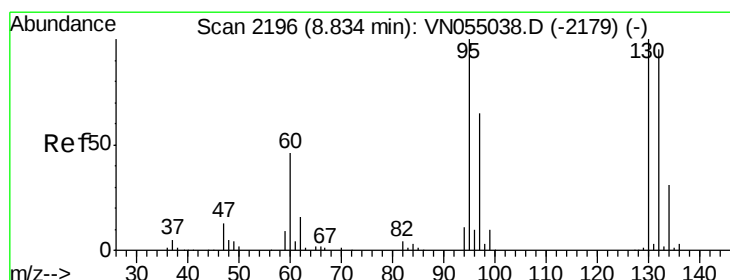
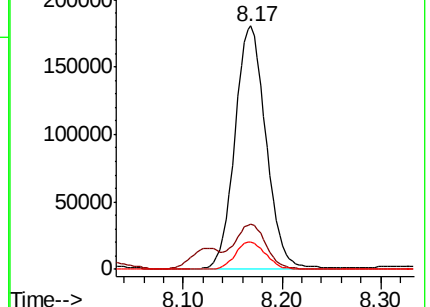
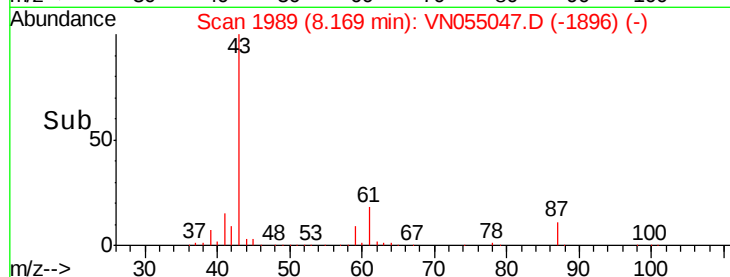
87 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055038.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055038.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055038.D (-1972) (-)



#44

Trichloroethene

Concen: 49.853 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055047.D

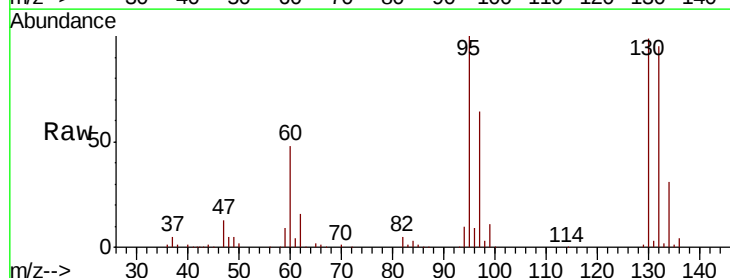
Acq: 15 Apr 2019 16:51

Tgt Ion: 130 Resp: 234138

Ion Ratio Lower Upper

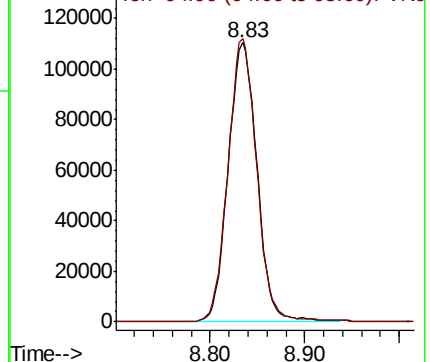
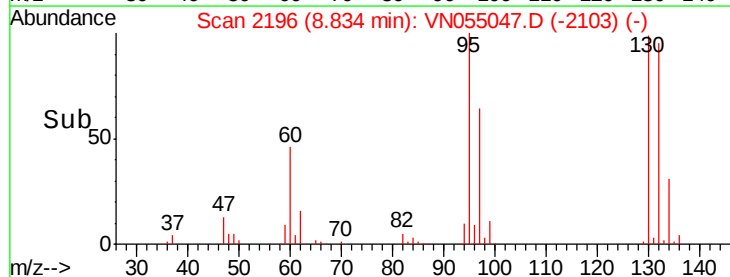
130 100

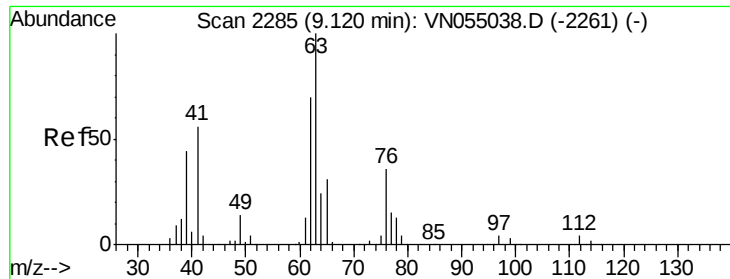
95 101.5 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055038.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055038.D (-2179) (-)

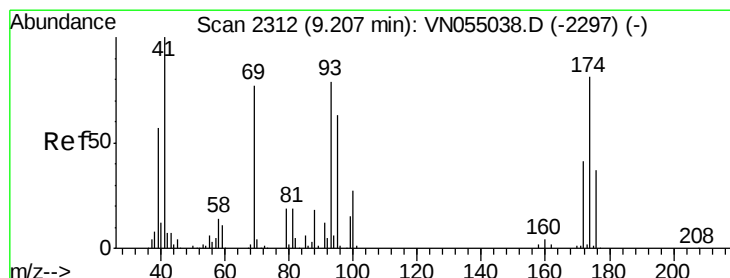
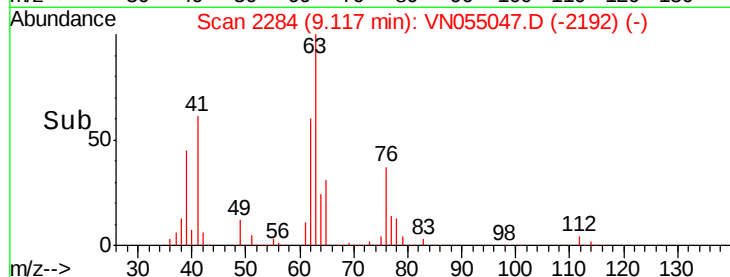
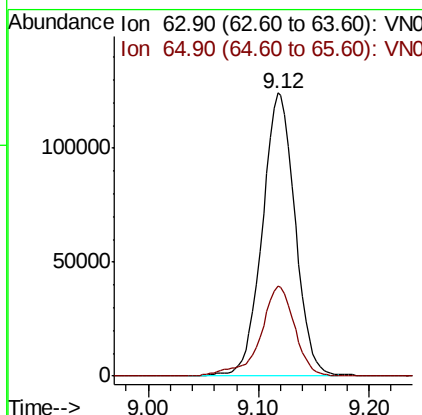
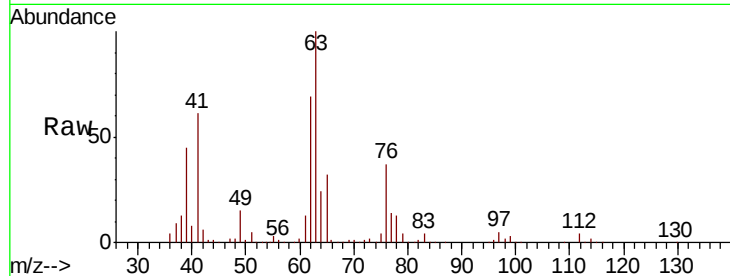




#45
 1,2-Dichloropropane
 Concen: 48.842 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

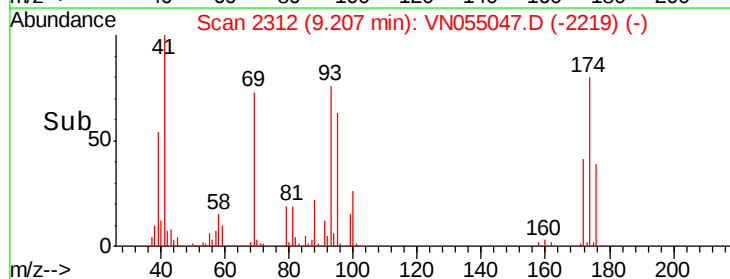
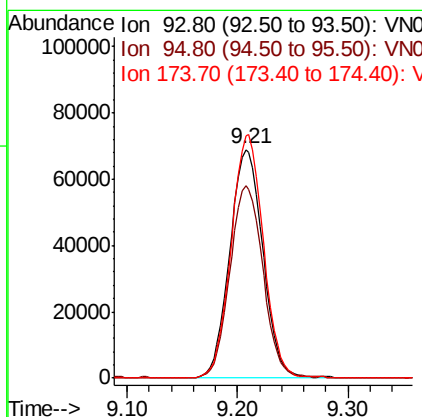
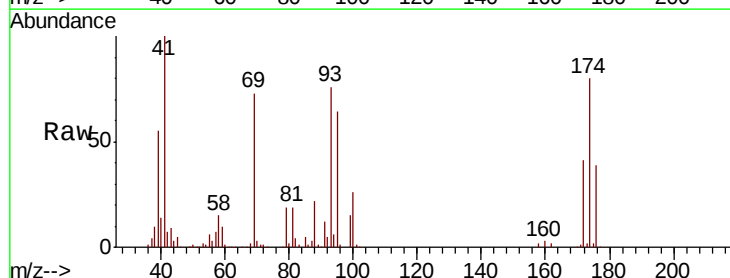
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

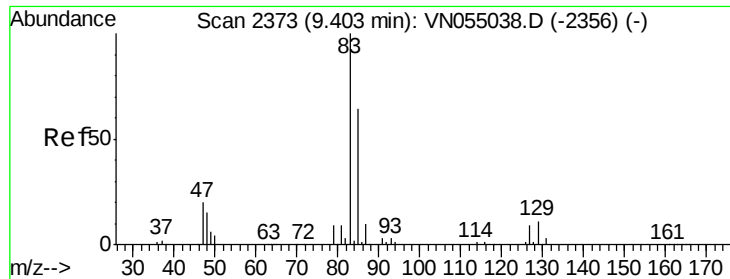
Tot Ion: 63 Resp: 255410
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 48.338 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 93 Resp: 143876
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.0 97.6
 174 103.8 81.0 121.6





#47

Bromodichloromethane

Concen: 49.463 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

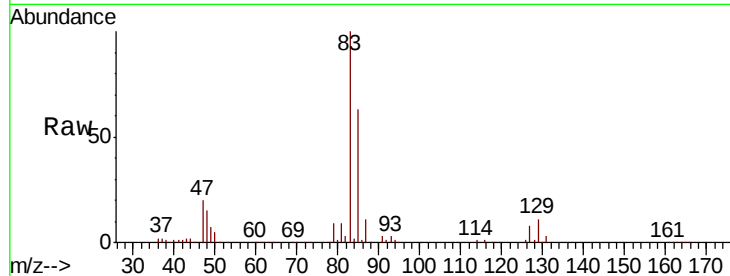
Tot Ion: 83 Resp: 303535

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

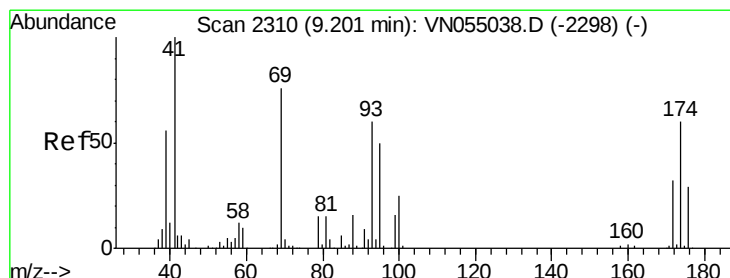
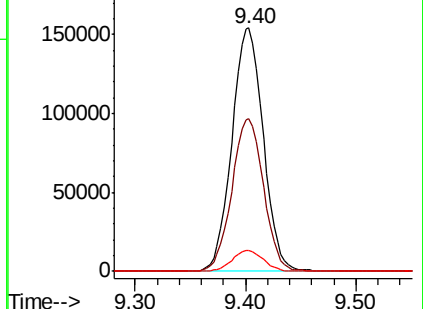
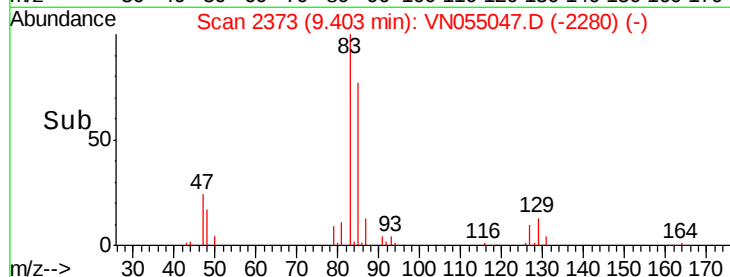
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055047.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055047.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055047.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.885 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

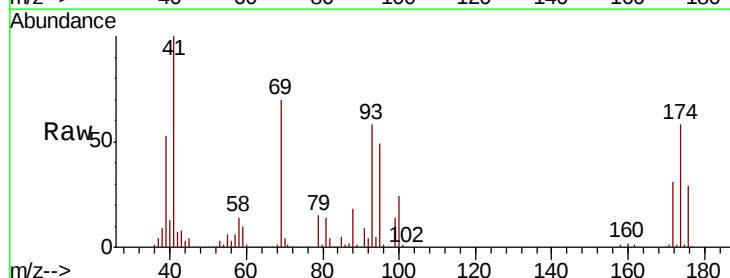
Tgt Ion: 41 Resp: 196838

Ion Ratio Lower Upper

41 100

69 74.7 60.5 90.7

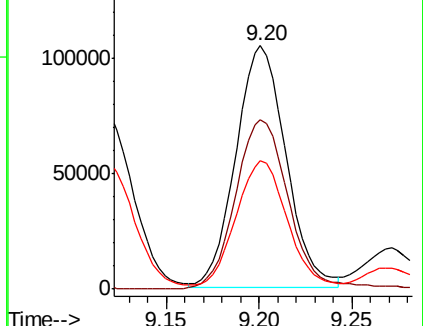
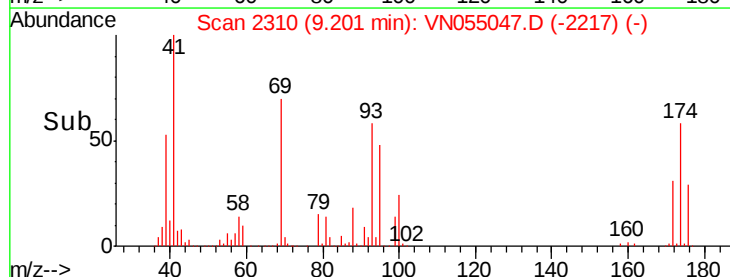
39 53.9 43.9 65.9

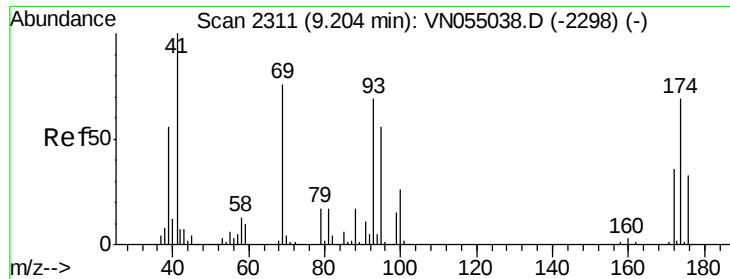


Abundance Ion 41.00 (40.70 to 41.70): VN055047.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055047.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055047.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1147.936 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

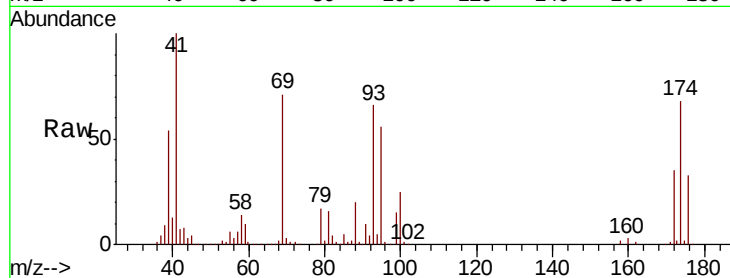
Tot Ion: 88 Resp: 41603

Ion Ratio Lower Upper

88 100

43 39.6 31.8 47.8

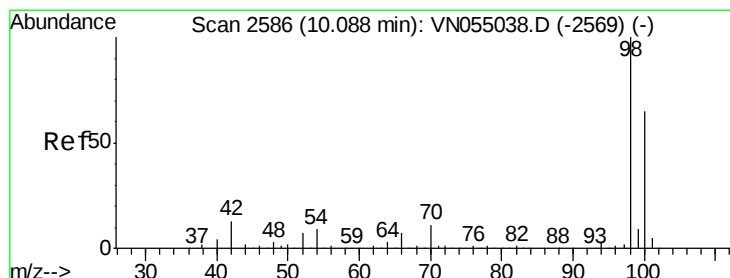
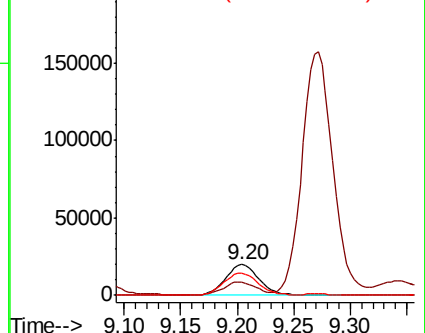
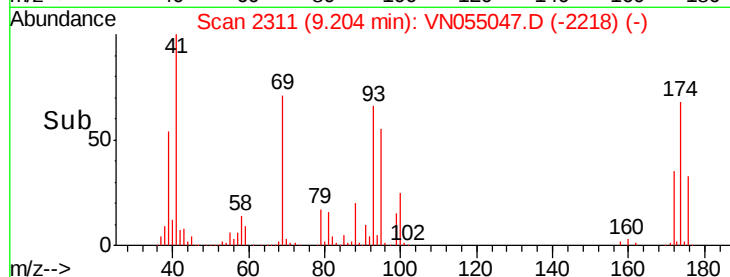
58 73.2 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055038.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2298) (-)



#50

Toluene-d8

Concen: 49.718 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055047.D

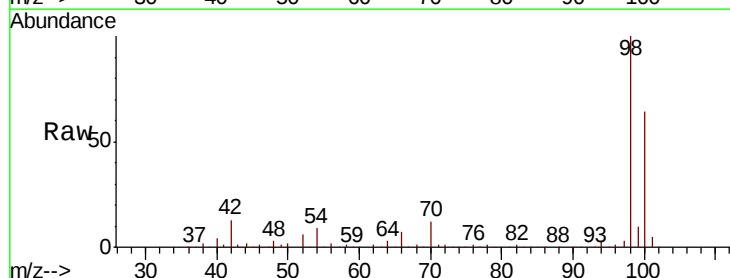
Acq: 15 Apr 2019 16:51

Tgt Ion: 98 Resp: 784849

Ion Ratio Lower Upper

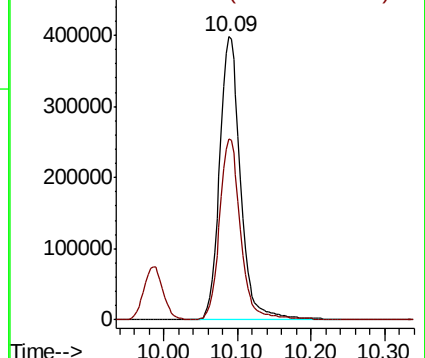
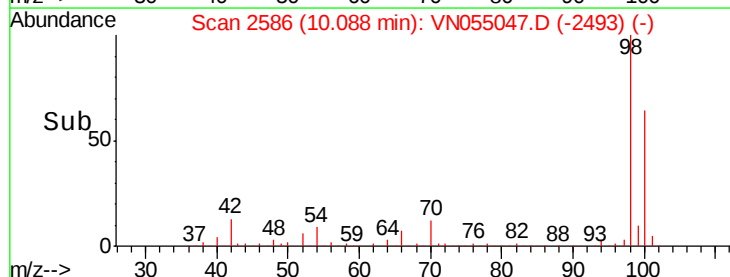
98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)

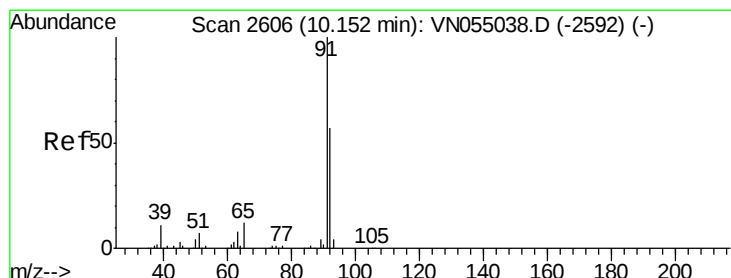
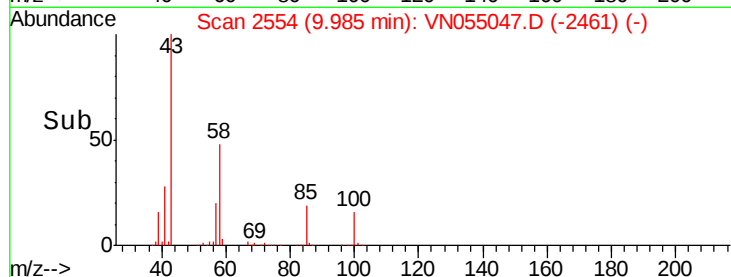
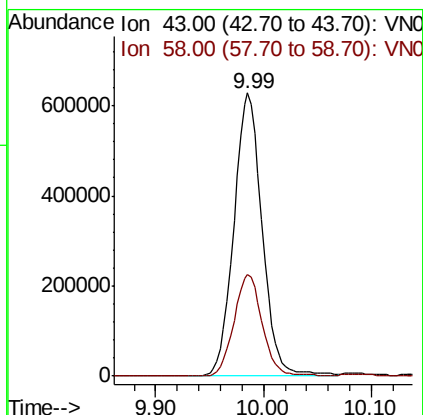
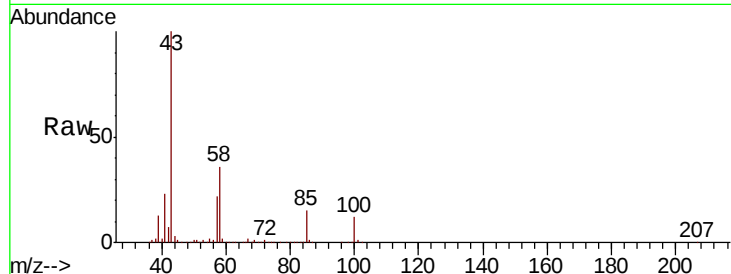




#51
4-Methyl-2-Pentanone
Concen: 254.184 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

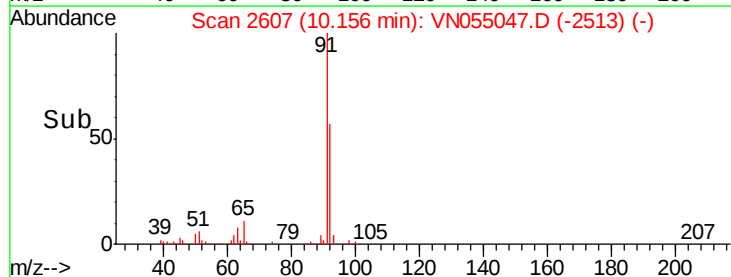
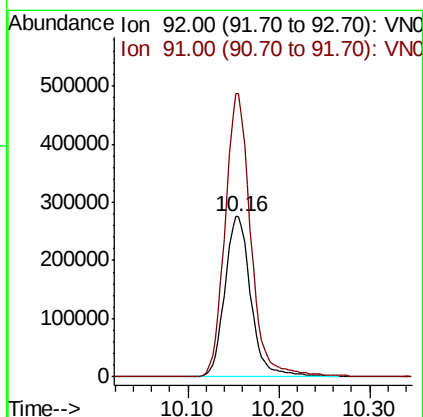
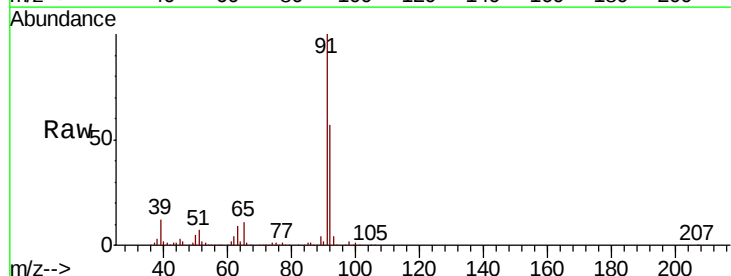
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

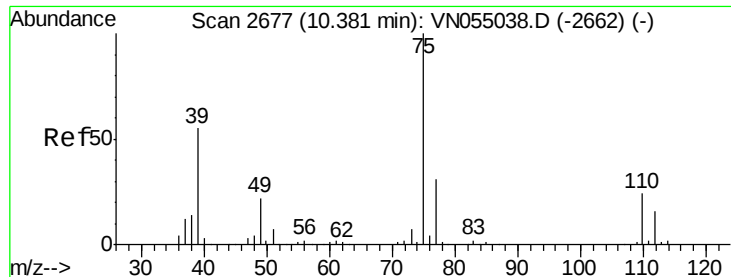
Tot Ion: 43 Resp: 1146070
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.4



#52
Toluene
Concen: 51.176 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 92 Resp: 549593
Ion Ratio Lower Upper
92 100
91 174.8 140.8 211.2





#53

t-1,3-Dichloropropene

Concen: 52.782 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

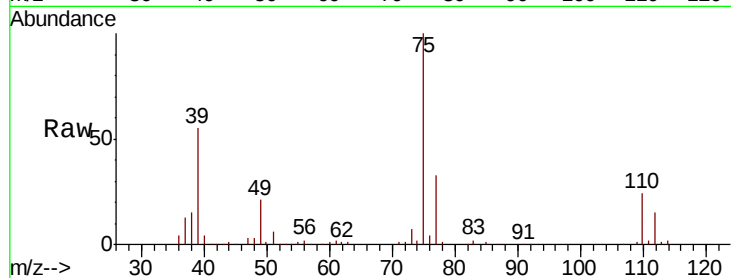
VSTDCCC050

Tot Ion: 75 Resp: 283064

Ion Ratio Lower Upper

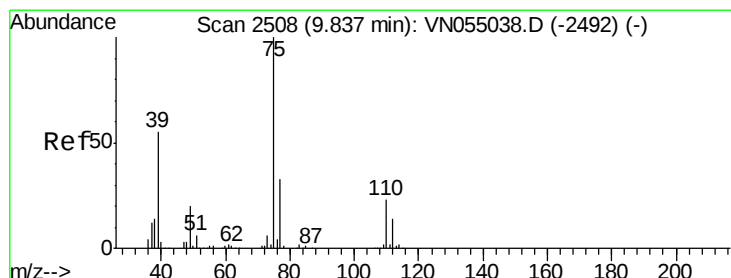
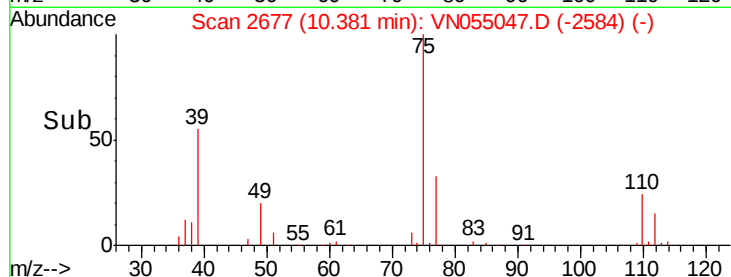
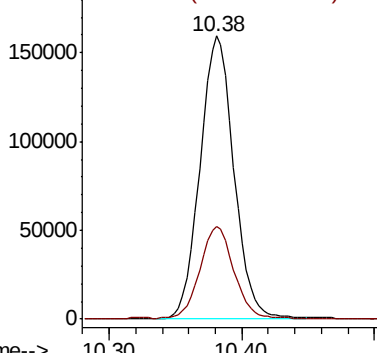
75 100

77 32.6 24.6 37.0



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: 52.981 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

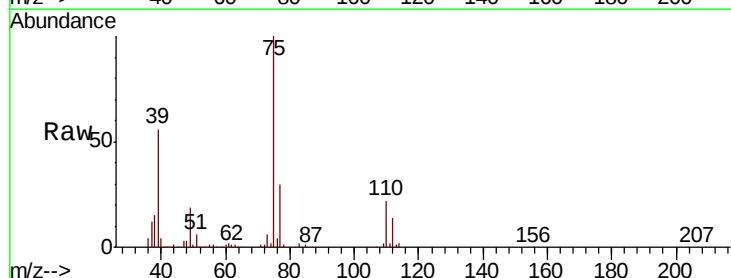
Tgt Ion: 75 Resp: 352647

Ion Ratio Lower Upper

75 100

77 30.2 25.8 38.6

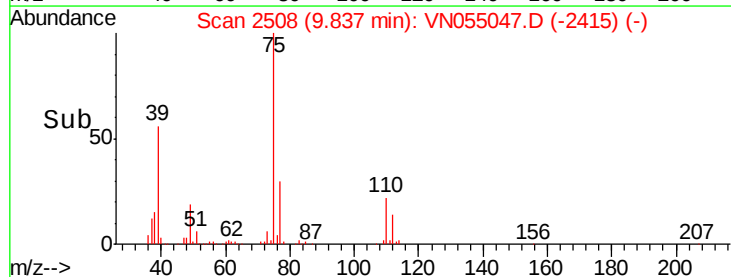
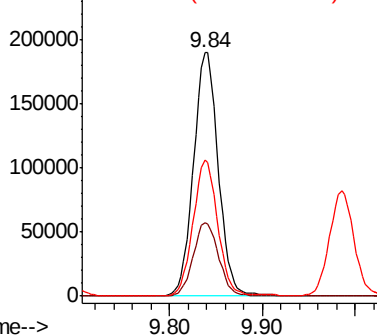
39 55.6 43.8 65.8

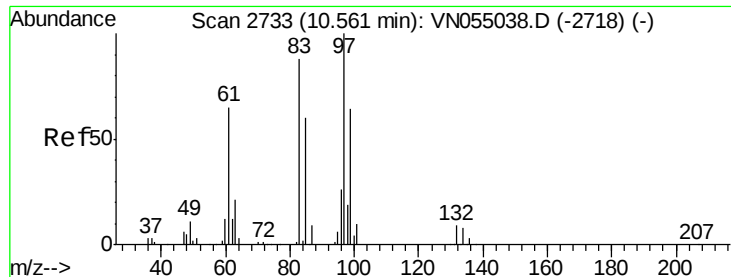


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

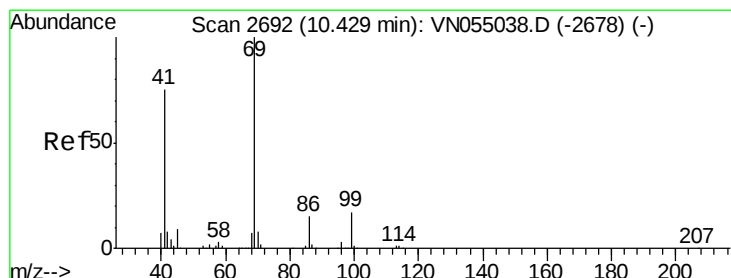
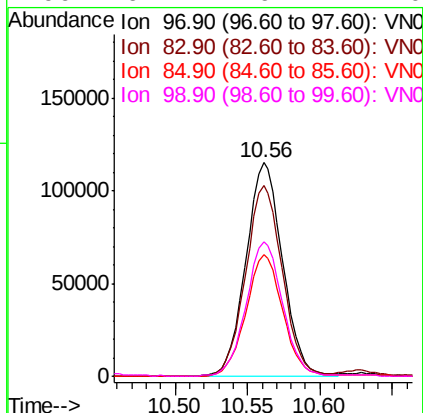
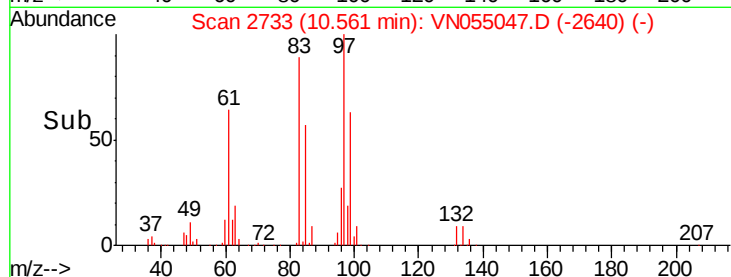
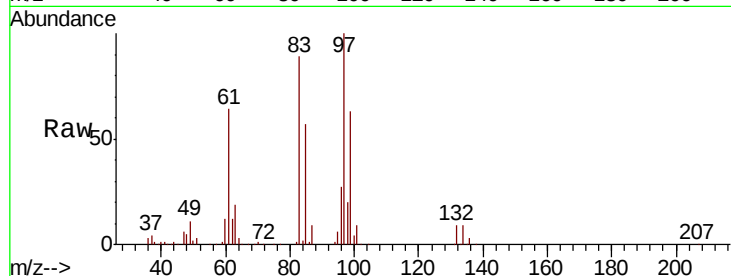




#55
 1,1,2-Trichloroethane
 Concen: 49.100 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

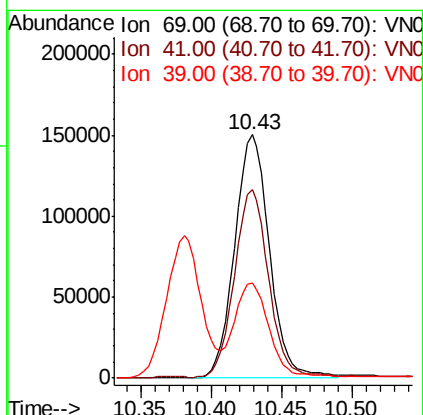
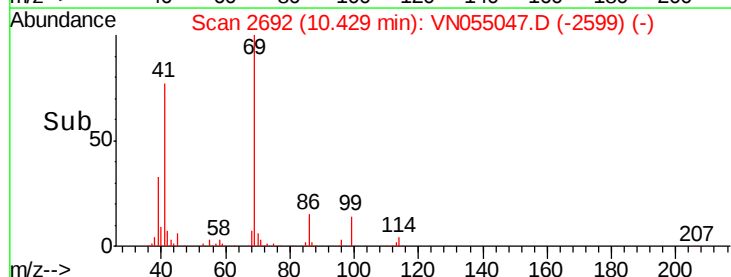
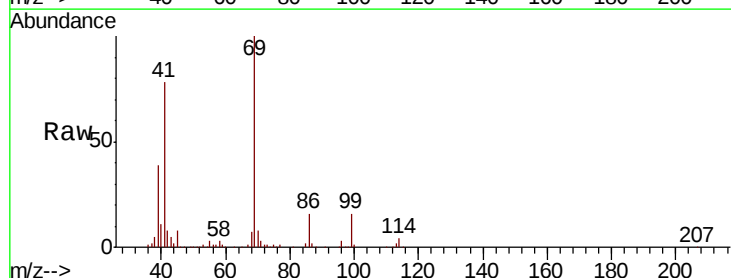
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

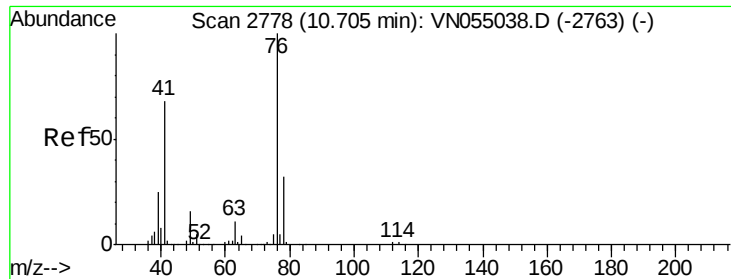
Tot Ion:	97	Resp:	203155
Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.5	105.7
85	56.8	45.5	68.3
99	62.7	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 52.503 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion:	69	Resp:	260709
Ion	Ratio	Lower	Upper
69	100		
41	75.5	61.4	92.0
39	39.2	30.8	46.2





#57

1,3-Dichloropropane

Concen: 50.750 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

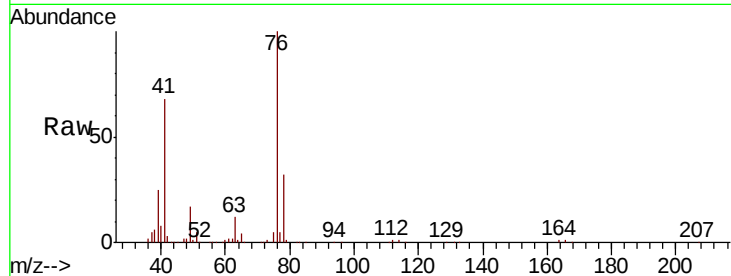
VSTDCCC050

Tot Ion: 76 Resp: 357512

Ion Ratio Lower Upper

76 100

78 31.9 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

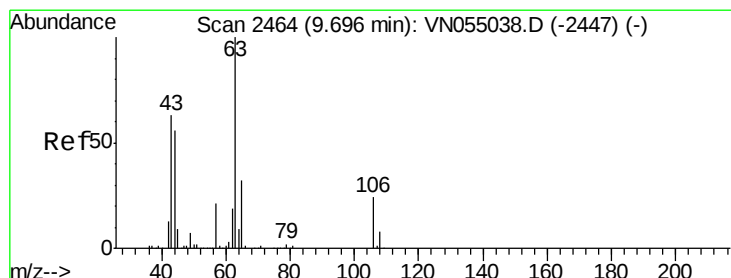
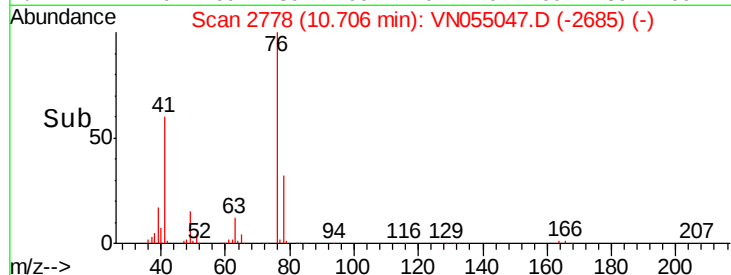
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 228.634 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055047.D

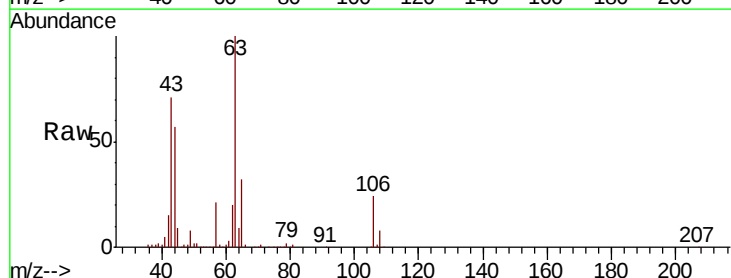
Acq: 15 Apr 2019 16:51

Tgt Ion: 63 Resp: 496563

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

300000

250000

200000

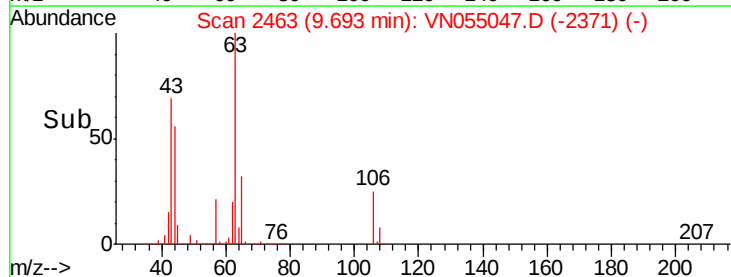
150000

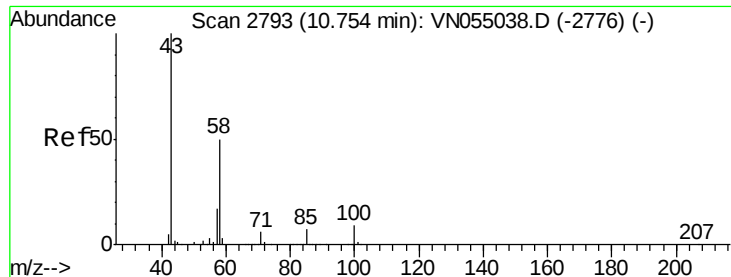
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

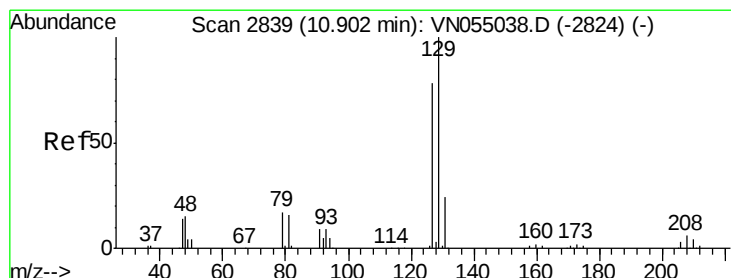
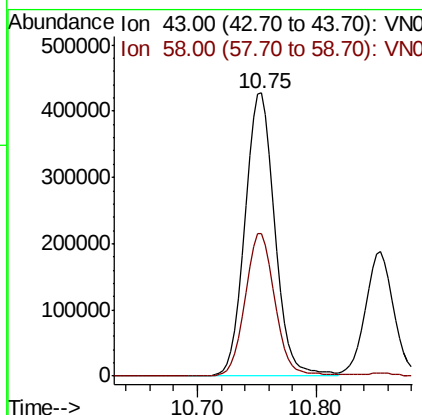
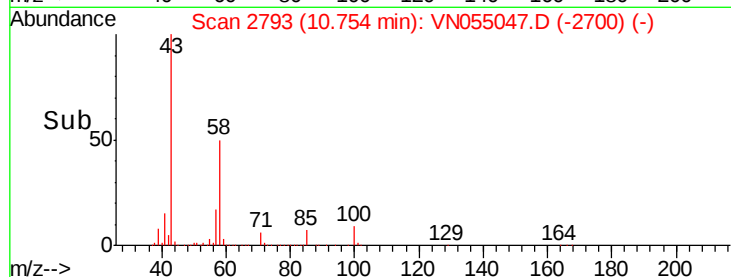
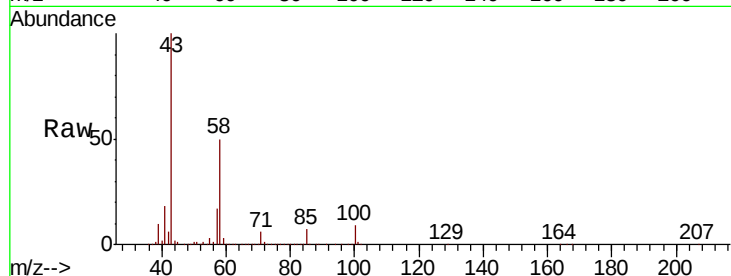




#59
2-Hexanone
Concen: 261.628 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

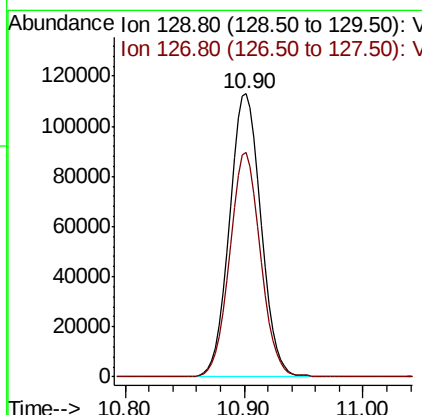
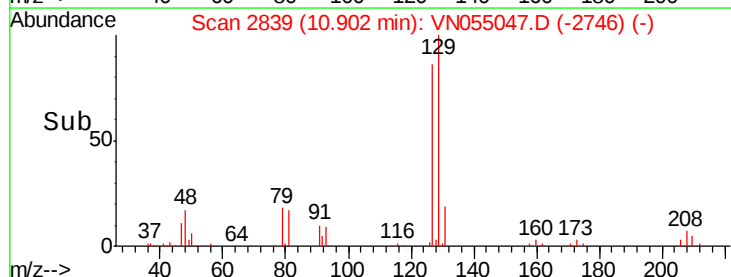
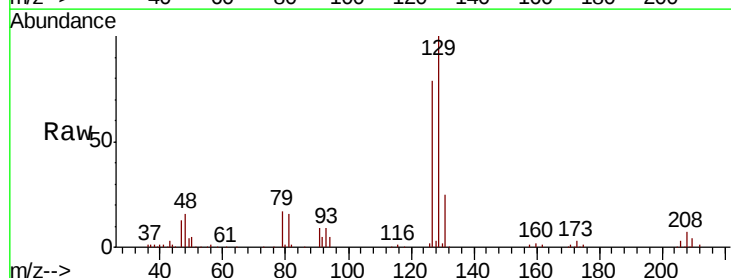
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

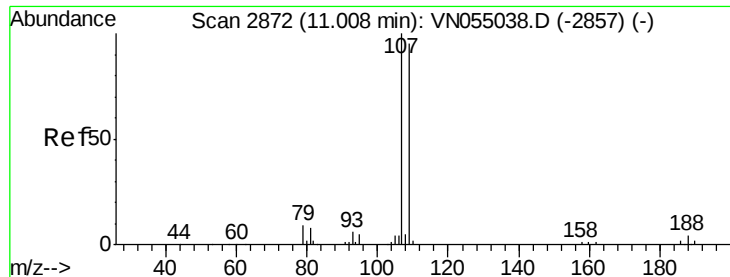
Tot Ion: 43 Resp: 740920
Ion Ratio Lower Upper
43 100
58 50.5 25.1 75.2



#60
Dibromochloromethane
Concen: 51.371 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 129 Resp: 207556
Ion Ratio Lower Upper
129 100
127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 50.821 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

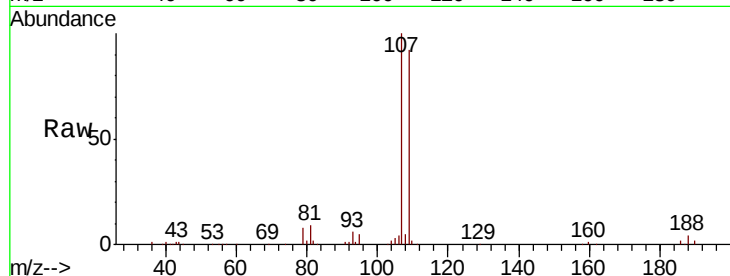
VSTDCCC050

Tot Ion: 107 Resp: 193541

Ion Ratio Lower Upper

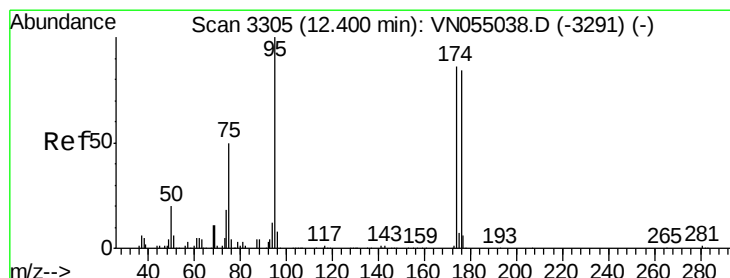
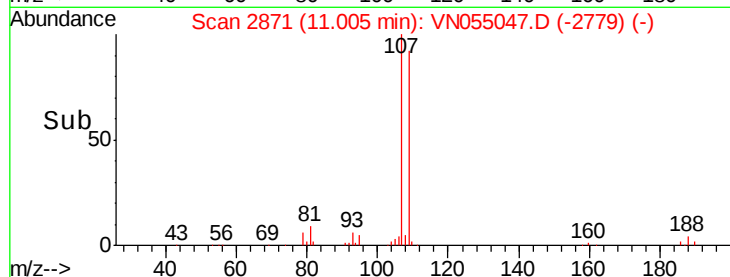
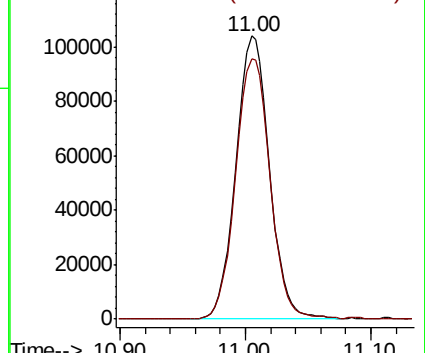
107 100

109 94.8 76.5 114.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.221 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

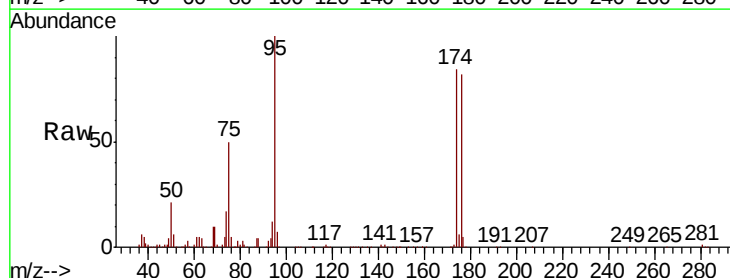
Tgt Ion: 95 Resp: 267995

Ion Ratio Lower Upper

95 100

174 85.5 0.0 174.4

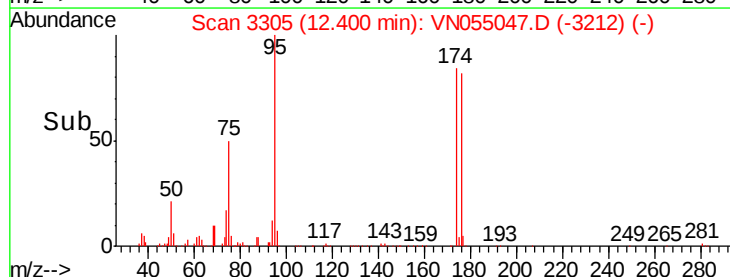
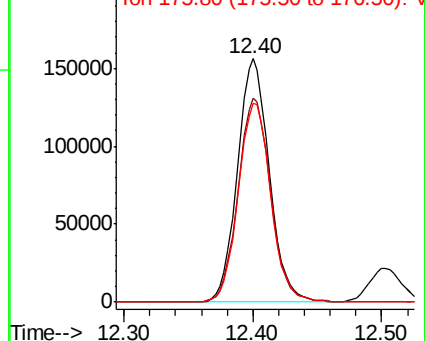
176 83.3 0.0 166.8

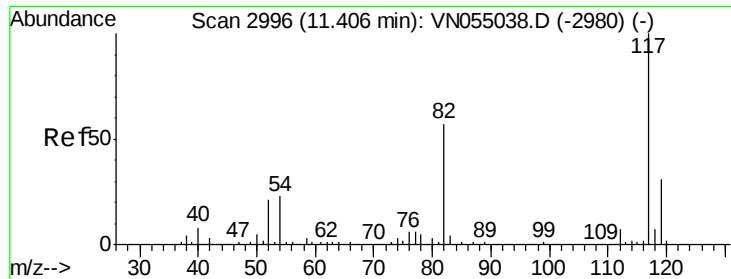


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

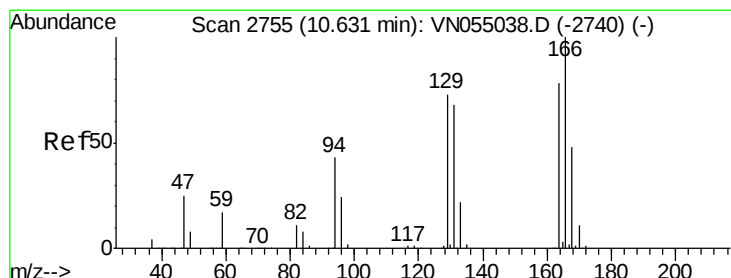
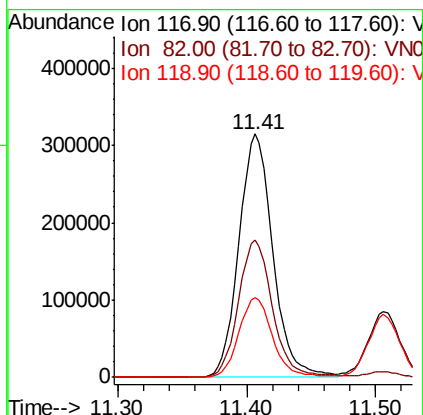
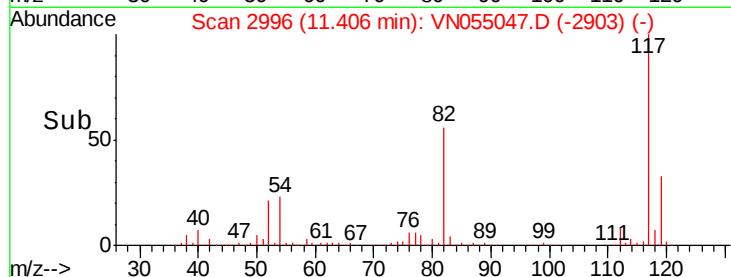
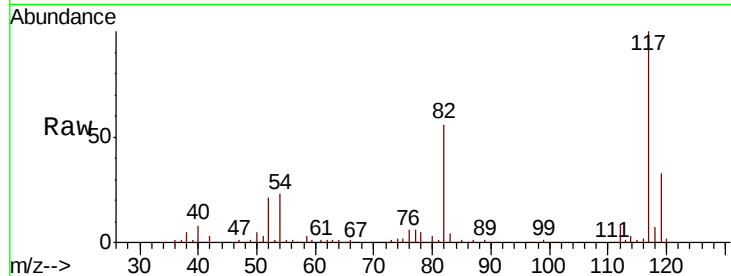




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

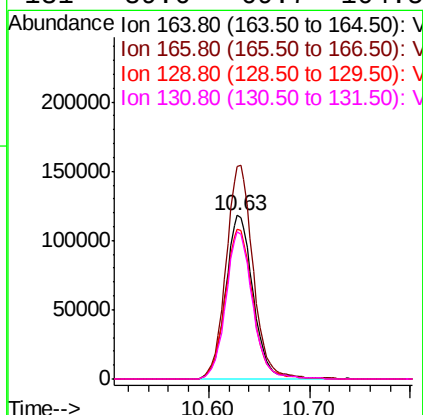
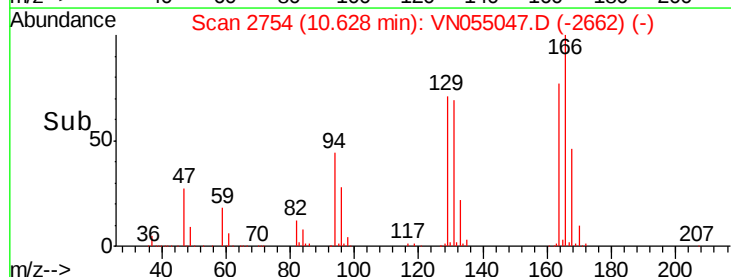
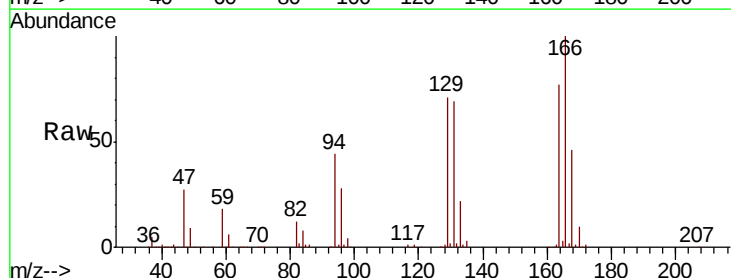
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 578581
Ion Ratio Lower Upper
117 100
82 56.3 44.6 66.8
119 33.0 25.5 38.3



#64
Tetrachloroethene
Concen: 47.774 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:164 Resp: 224768
Ion Ratio Lower Upper
164 100
166 129.9 100.0 150.0
129 91.9 72.0 108.0
131 89.6 69.7 104.5

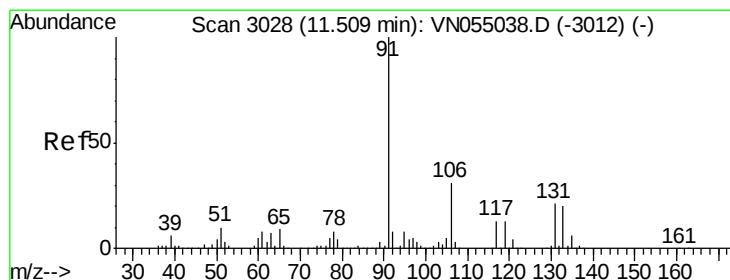
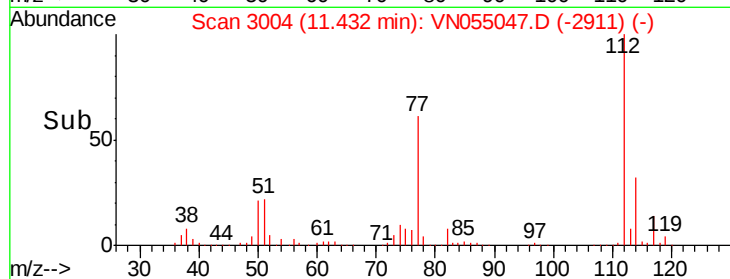
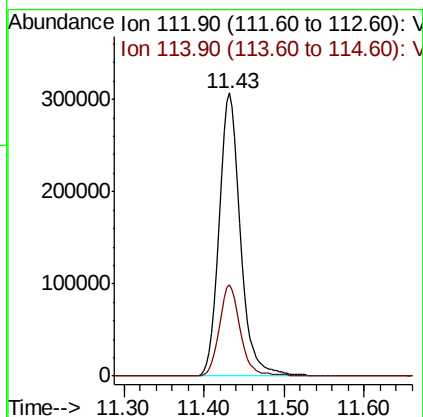
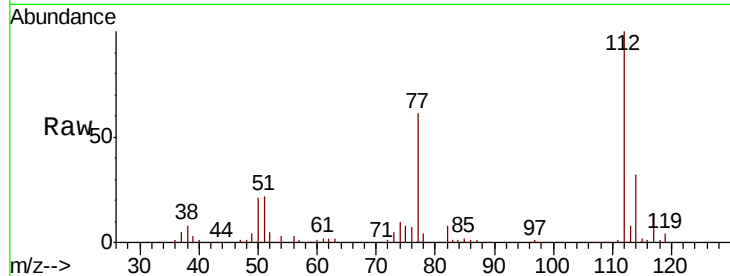




#65
Chlorobenzene
Concen: 48.703 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

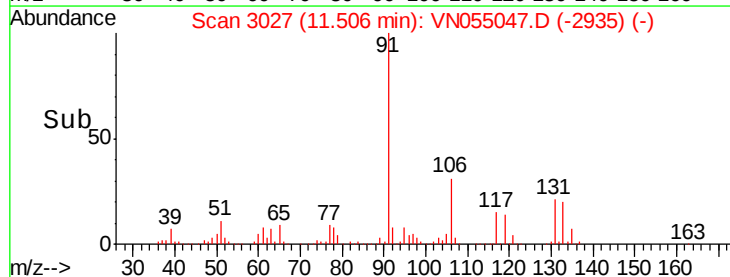
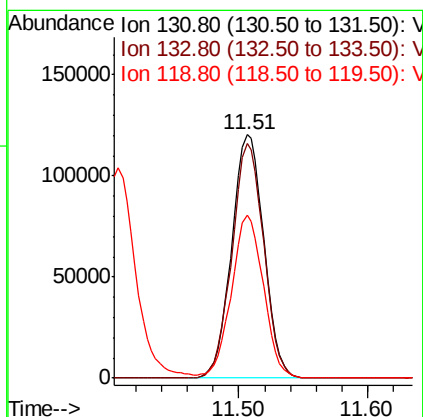
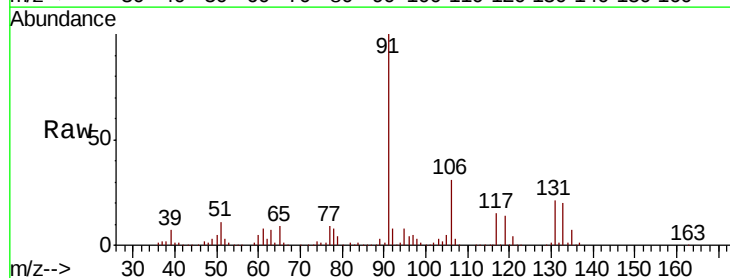
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

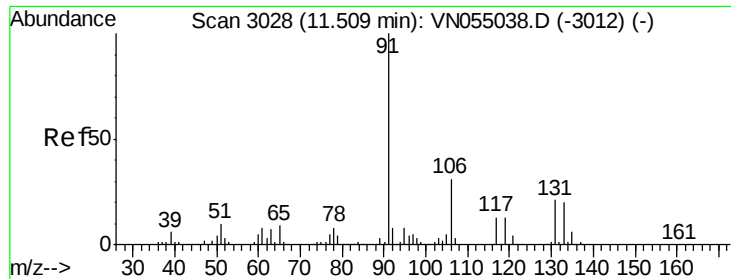
Tot Ion:112 Resp: 567213
Ion Ratio Lower Upper
112 100
114 32.2 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 48.567 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:131 Resp: 208037
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 66.9 33.6 100.6

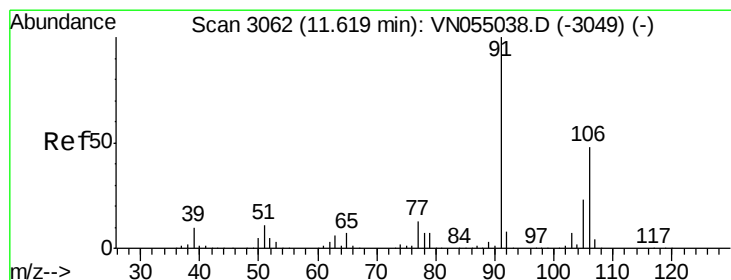
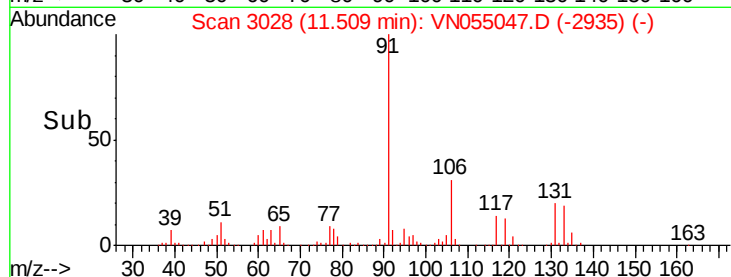
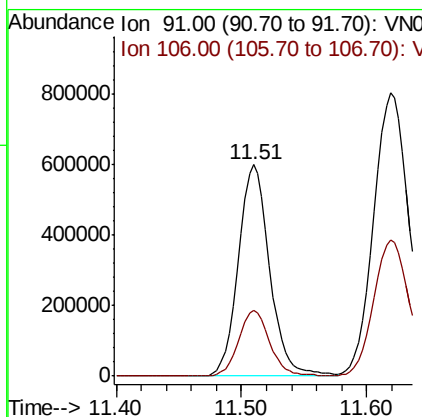
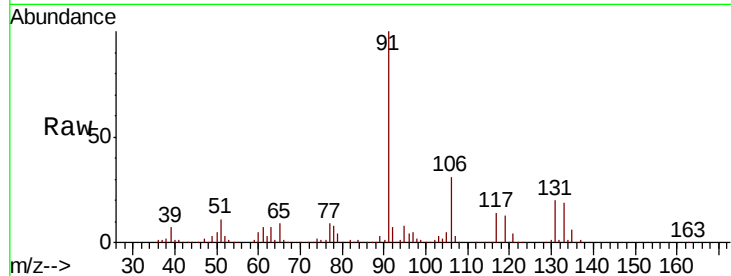




#67
Ethyl Benzene
Concen: 50.239 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

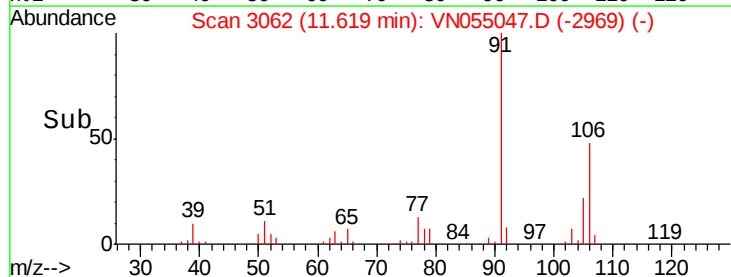
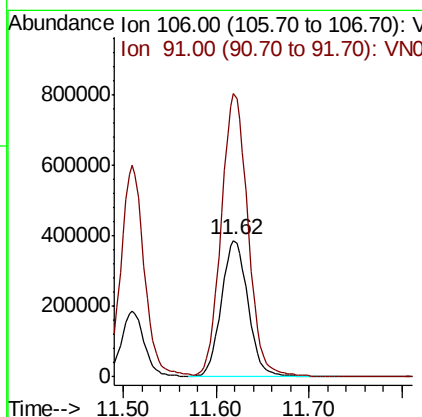
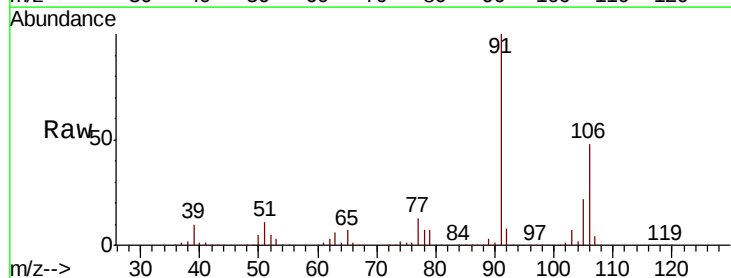
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

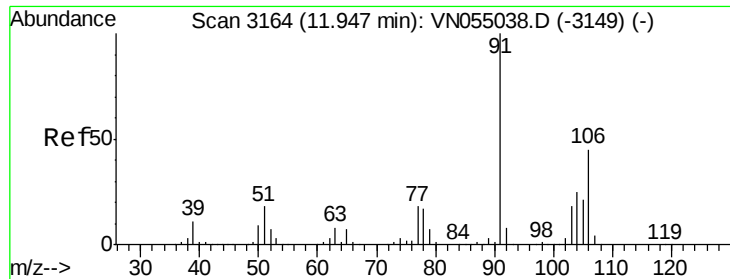
Tot Ion: 91 Resp: 1044877
Ion Ratio Lower Upper
91 100
106 31.3 24.3 36.5



#68
m/p-Xylenes
Concen: 103.278 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 106 Resp: 777822
Ion Ratio Lower Upper
106 100
91 207.3 165.9 248.9

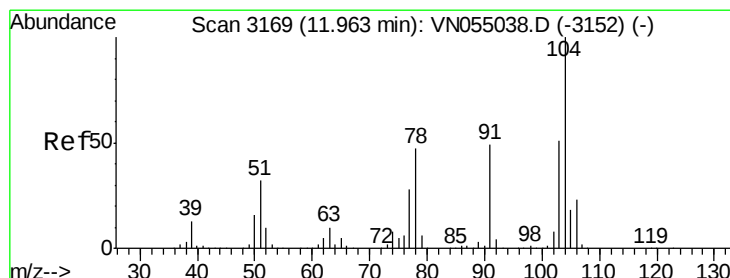
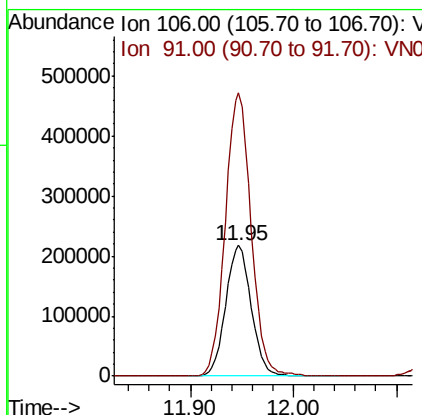
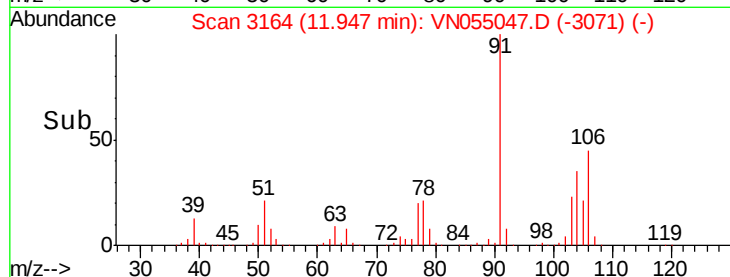
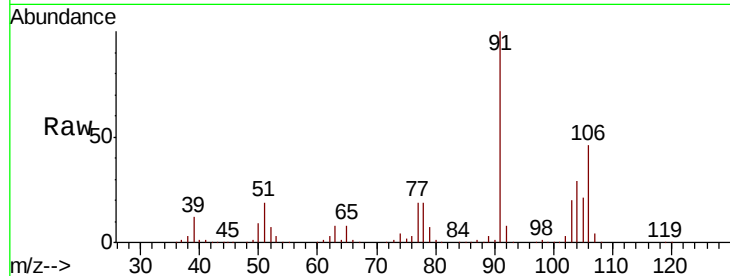




#69
o-Xylene
Concen: 51.530 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

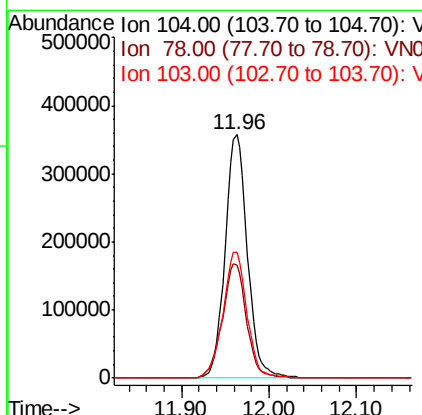
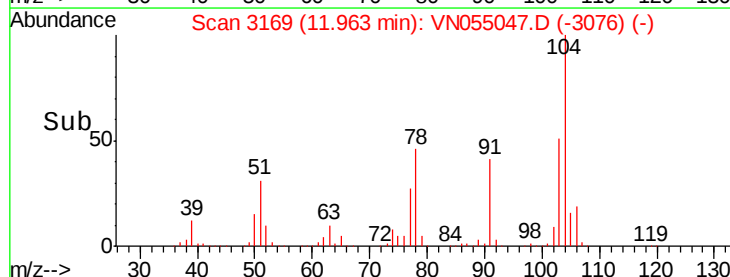
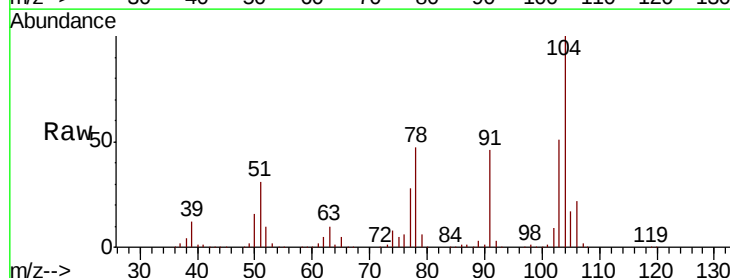
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

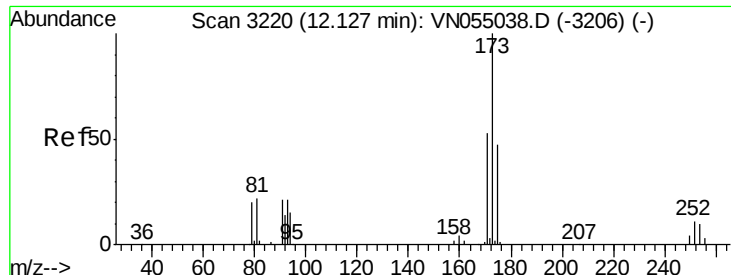
Tot Ion:106 Resp: 375890
Ion Ratio Lower Upper
106 100
91 218.5 109.9 329.8



#70
Styrene
Concen: 53.581 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:104 Resp: 632669
Ion Ratio Lower Upper
104 100
78 50.9 40.3 60.5
103 55.5 44.3 66.5

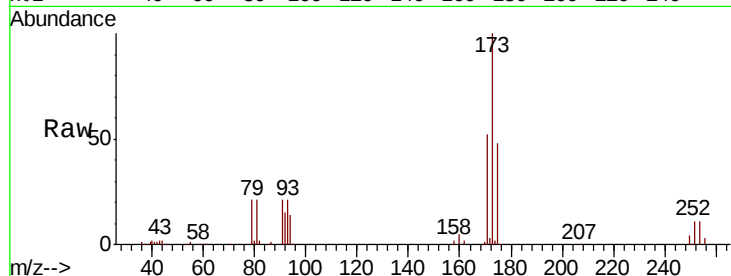




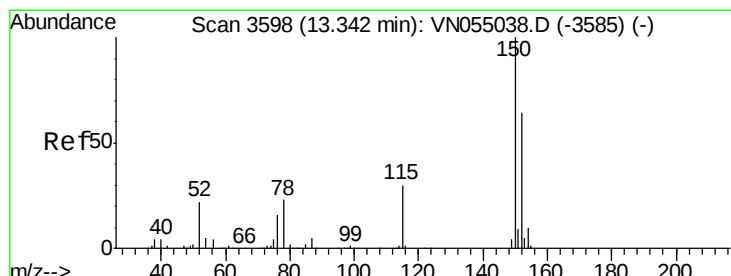
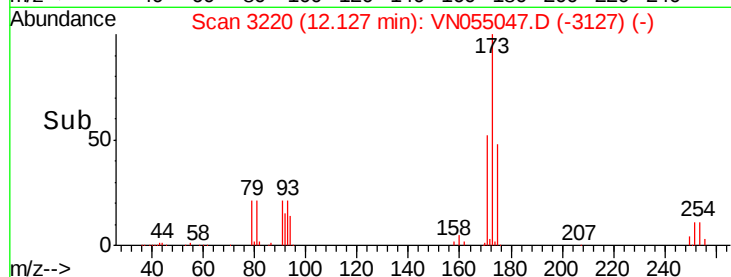
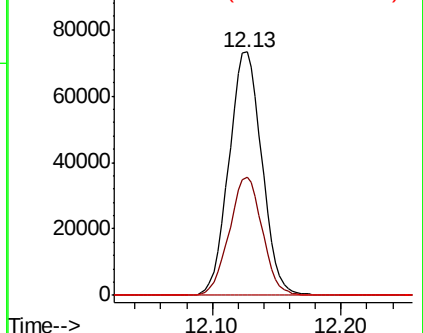
#71
Bromoform
Concen: 52.970 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 130051
Ion Ratio Lower Upper
173 100
175 48.6 24.3 73.0
254 0.0 0.1 0.1#

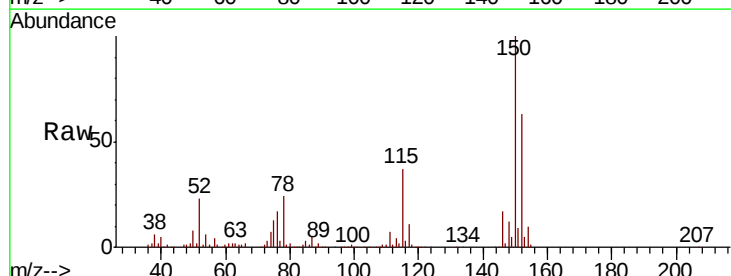


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

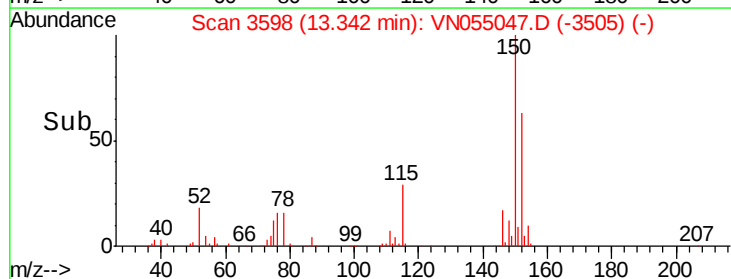
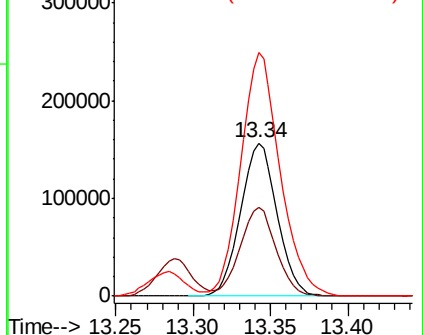


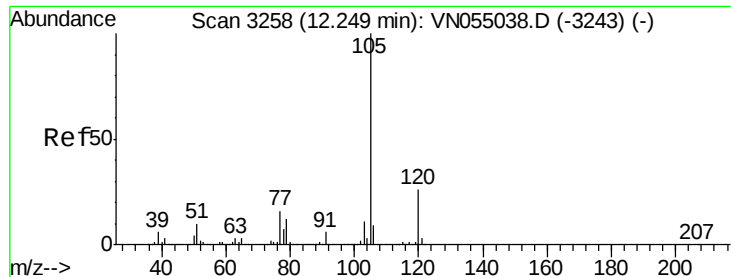
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:152 Resp: 256689
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.6
150 171.5 0.0 347.2



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





#73

Isopropylbenzene

Concen: 44.059 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

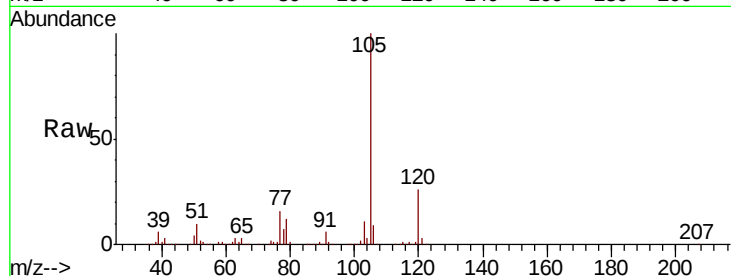
VSTDCCC050

Tot Ion:105 Resp: 1003560

Ion Ratio Lower Upper

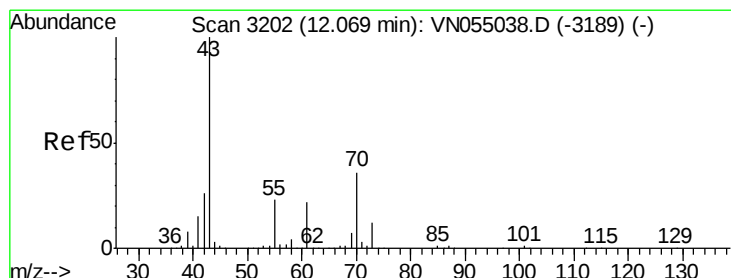
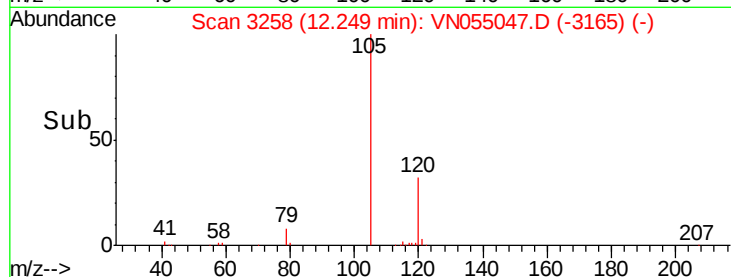
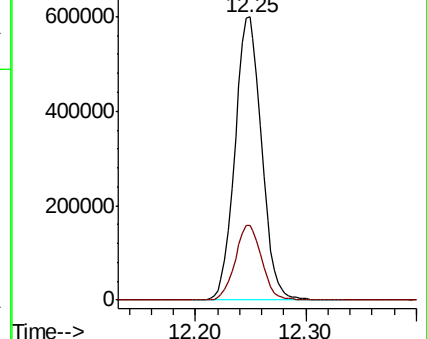
105 100

120 26.3 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.695 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Tgt Ion: 43 Resp: 312228

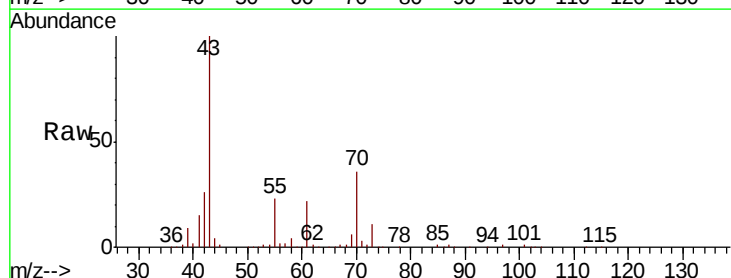
Ion Ratio Lower Upper

43 100

70 36.7 29.4 44.0

55 23.3 19.0 28.4

61 21.7 17.7 26.5

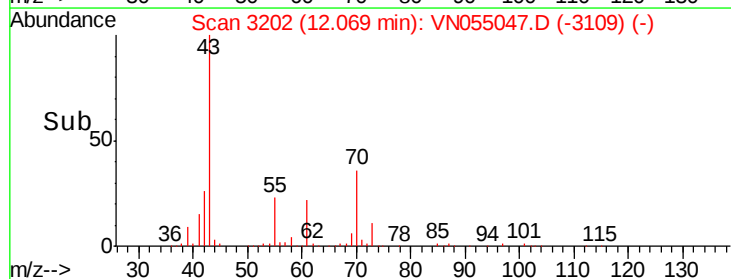
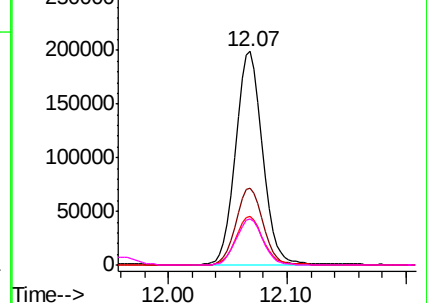


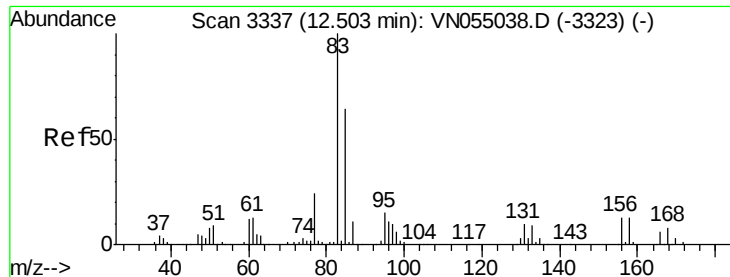
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 41.568 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

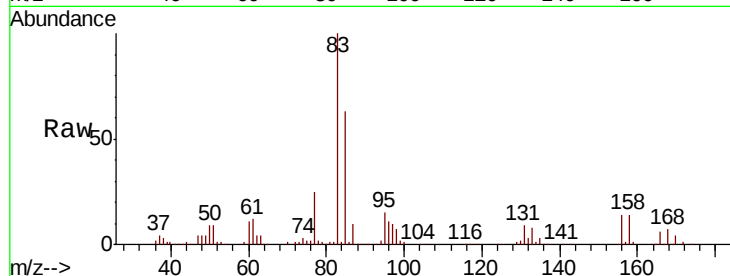
Tot Ion: 83 Resp: 253354

Ion Ratio Lower Upper

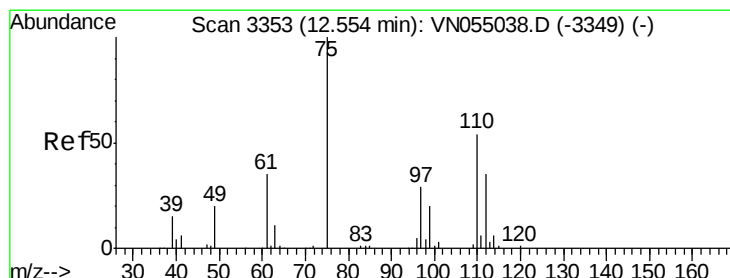
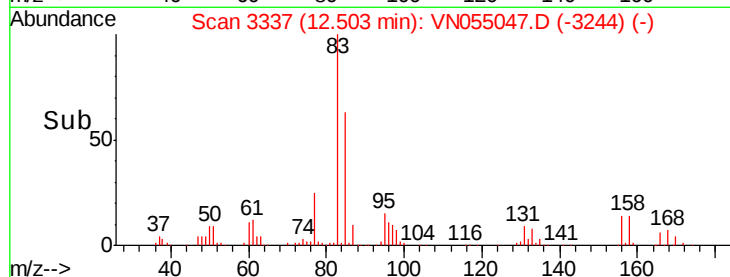
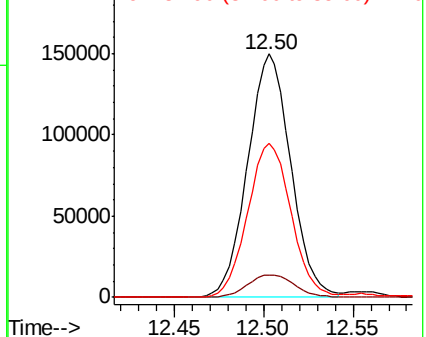
83 100

131 10.0 5.0 15.0

85 64.0 32.3 96.9



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



#76

1,2,3-Trichloropropane

Concen: 63.730 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055047.D

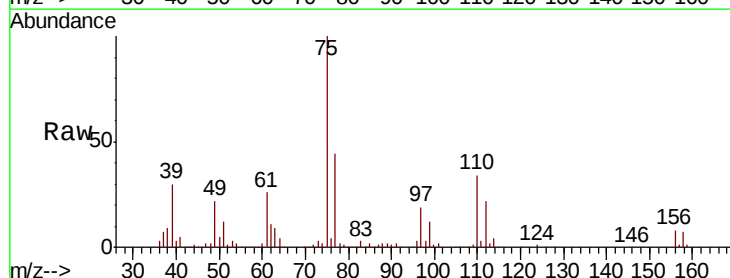
Acq: 15 Apr 2019 16:51

Tgt Ion: 75 Resp: 294172

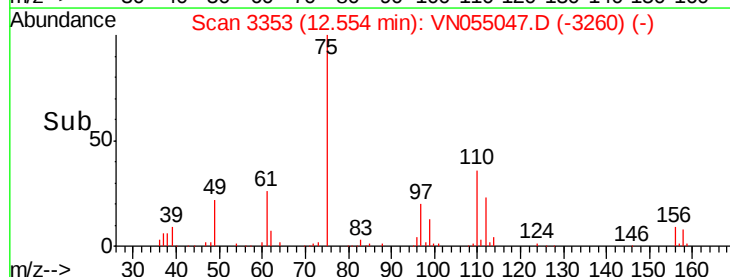
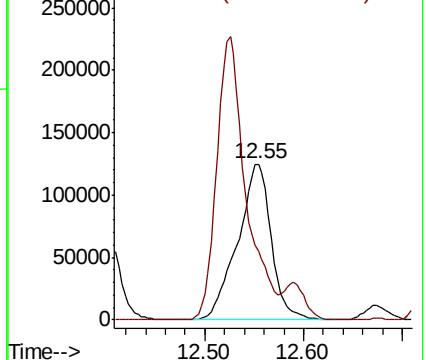
Ion Ratio Lower Upper

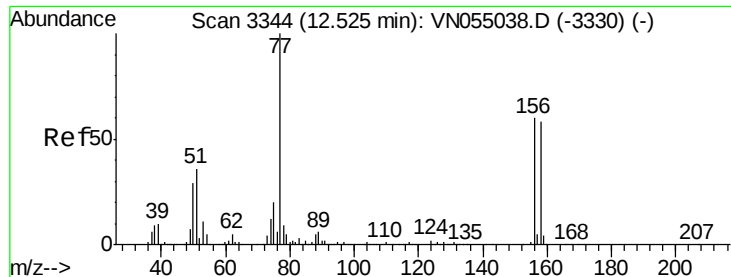
75 100

77 0.0 0.0 0.0



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

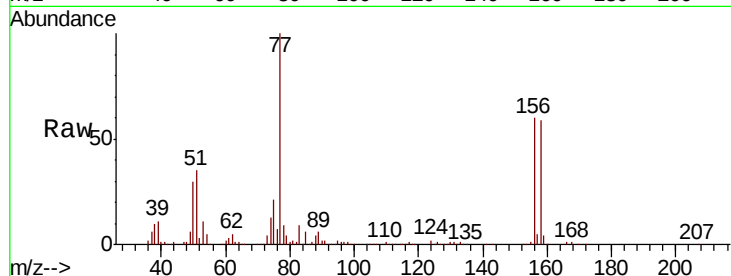




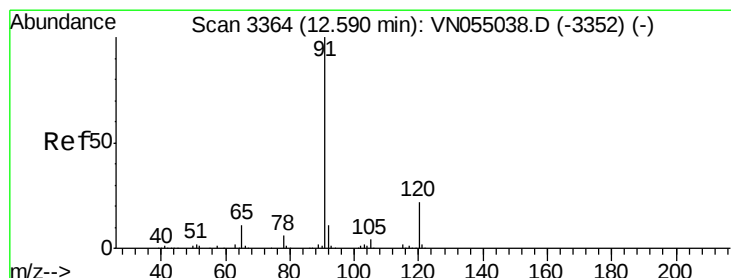
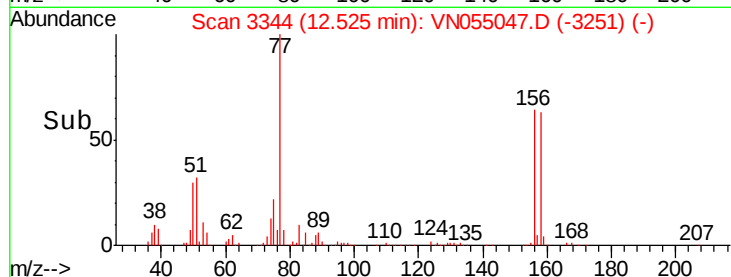
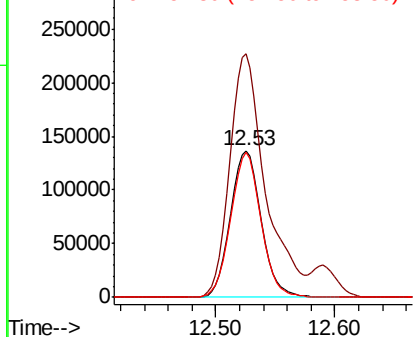
#77
Bromobenzene
Concen: 43.002 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:156 Resp: 244193
Ion Ratio Lower Upper
156 100
77 192.4 97.2 291.5
158 97.1 48.6 145.9

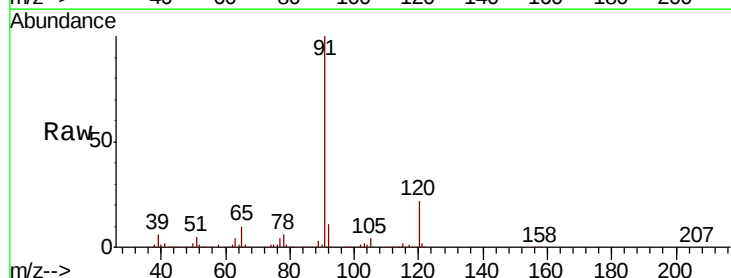


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

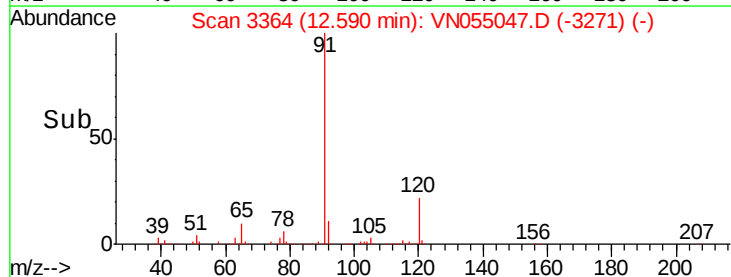
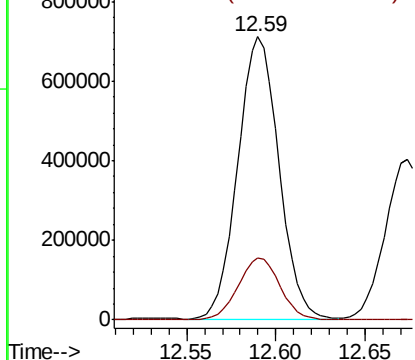


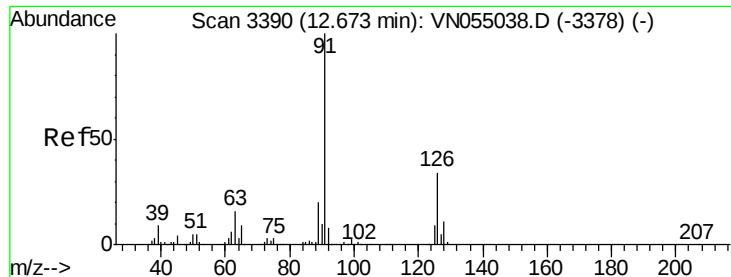
#78
n-propylbenzene
Concen: 46.231 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 91 Resp: 1137734
Ion Ratio Lower Upper
91 100
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

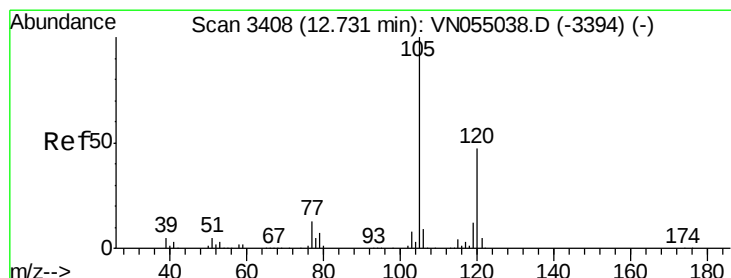
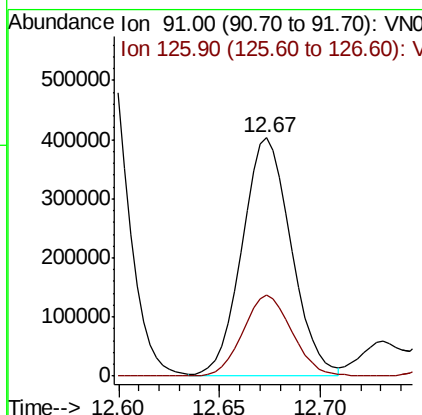
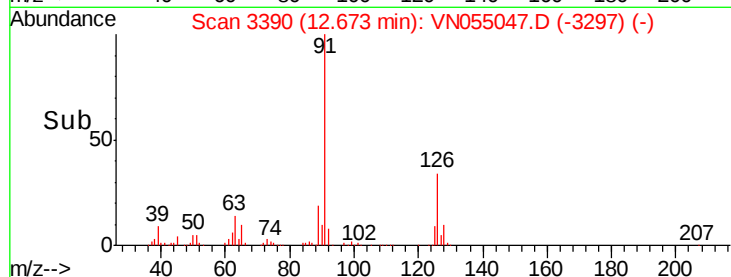
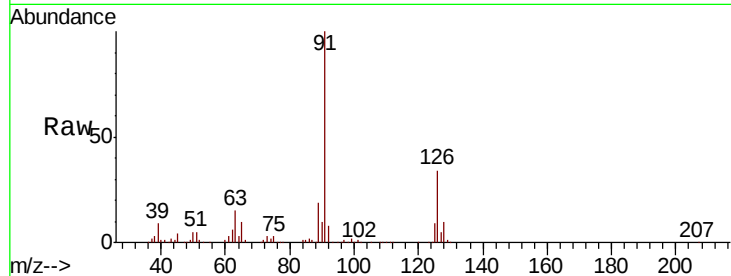




#79
2-Chlorotoluene
Concen: 44.519 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

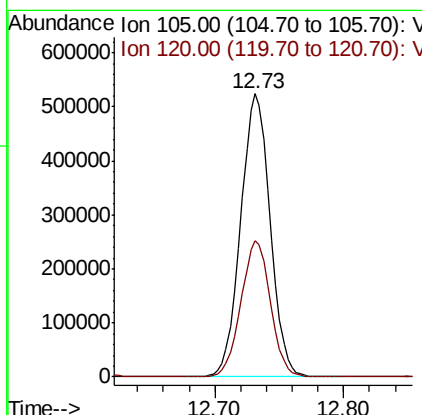
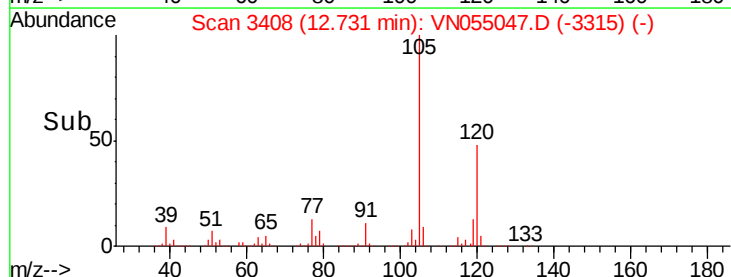
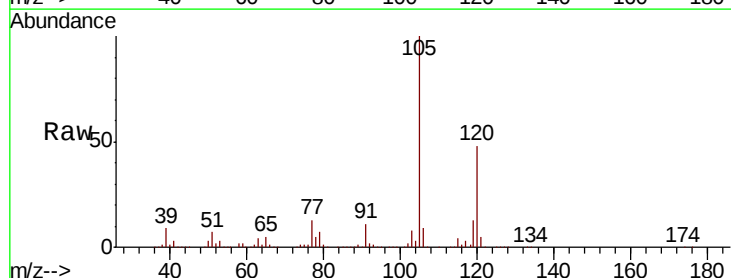
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 683358
Ion Ratio Lower Upper
91 100
126 34.3 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 45.125 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 105 Resp: 829465
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.8

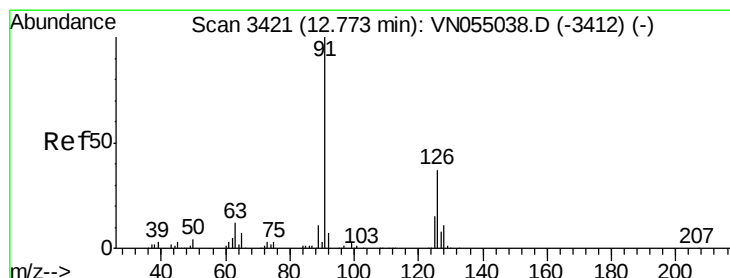
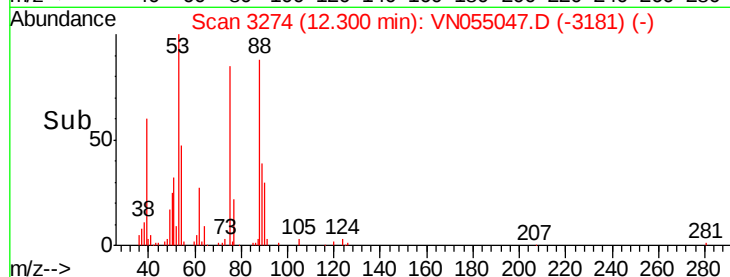
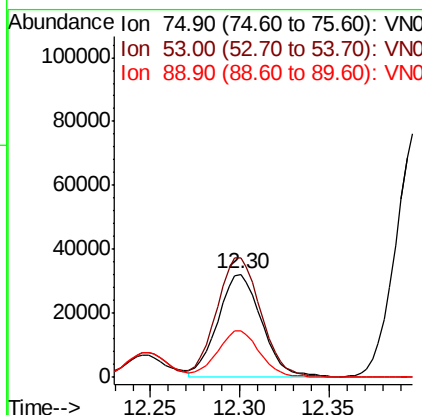
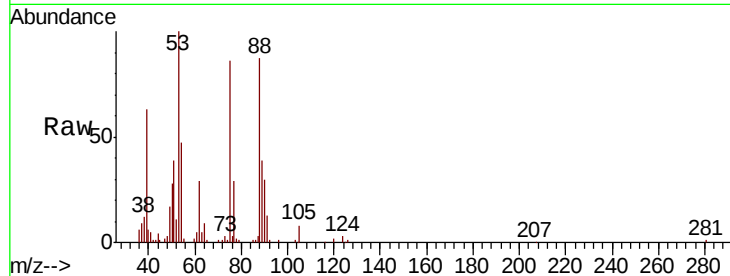




#81
trans-1,4-Dichloro-2-butene
Concen: 47.941 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

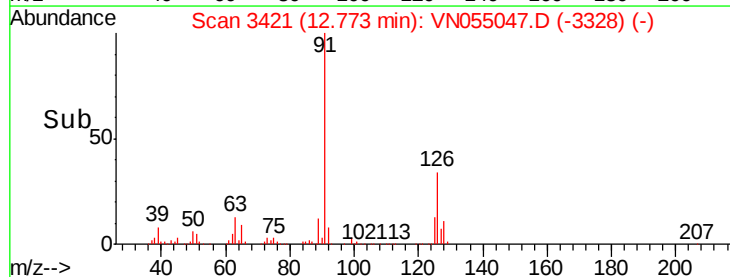
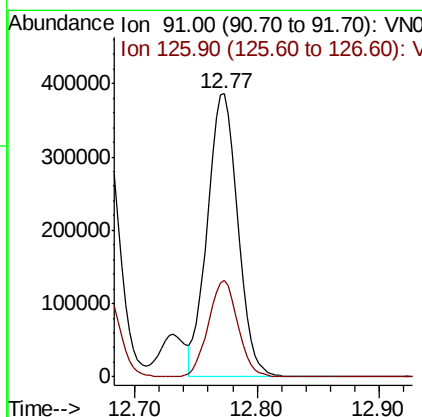
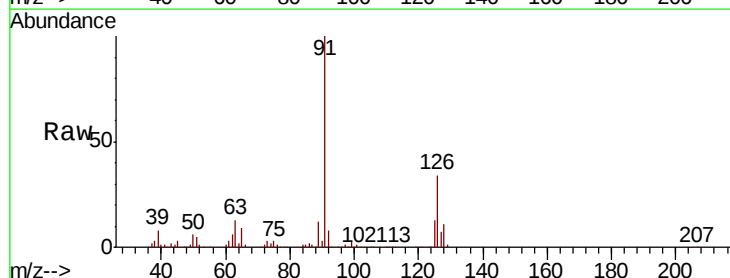
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

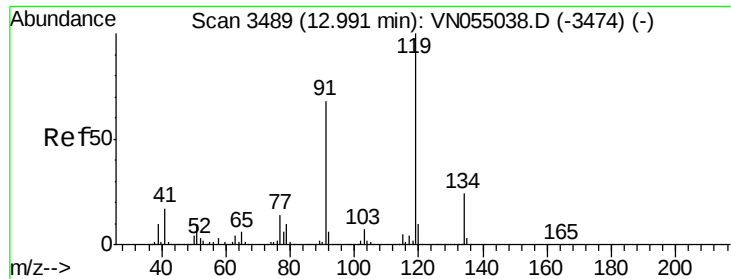
Tot Ion: 75 Resp: 55339
Ion Ratio Lower Upper
75 100
53 117.7 96.3 144.5
89 44.1 38.6 57.8



#82
4-Chlorotoluene
Concen: 47.163 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 91 Resp: 675436
Ion Ratio Lower Upper
91 100
126 33.2 16.4 49.2

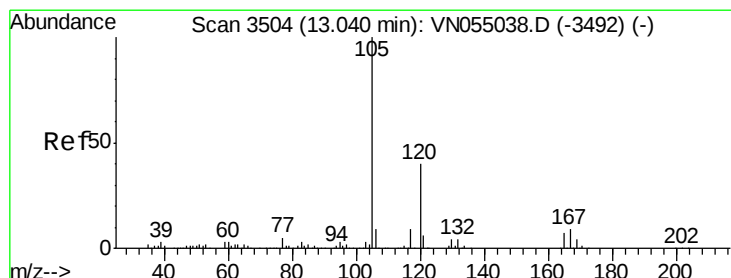
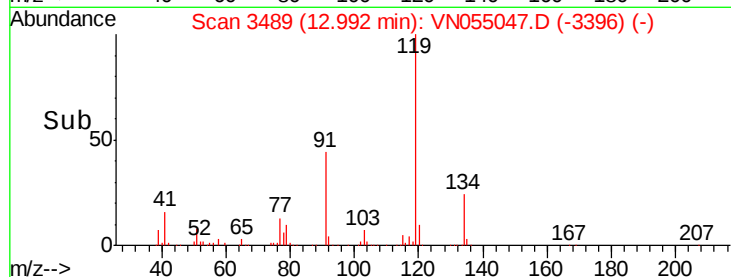
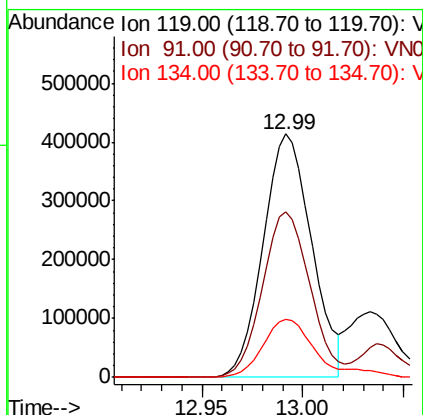
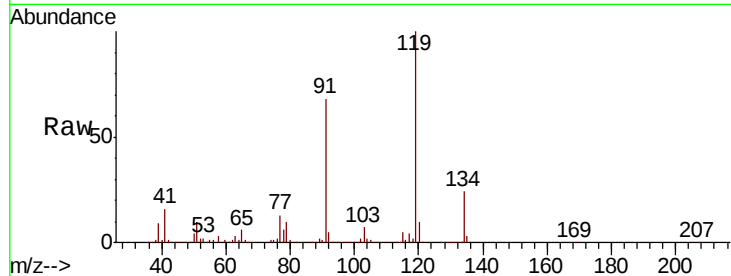




#83
tert-Butylbenzene
Concen: 44.498 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

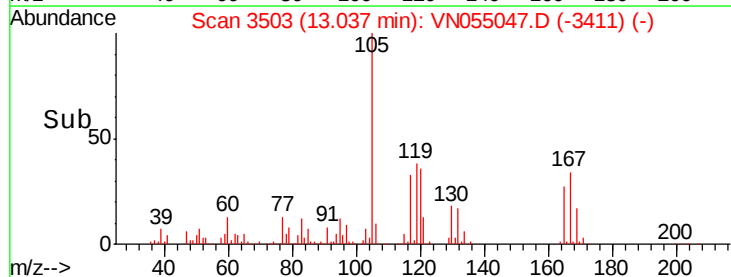
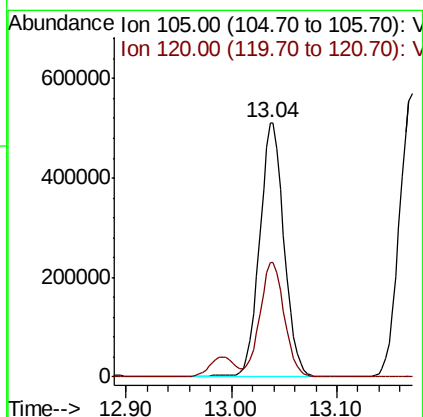
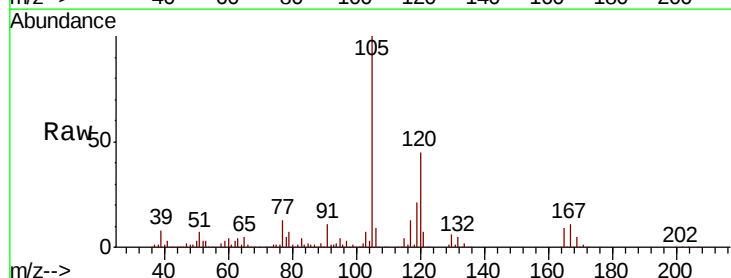
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

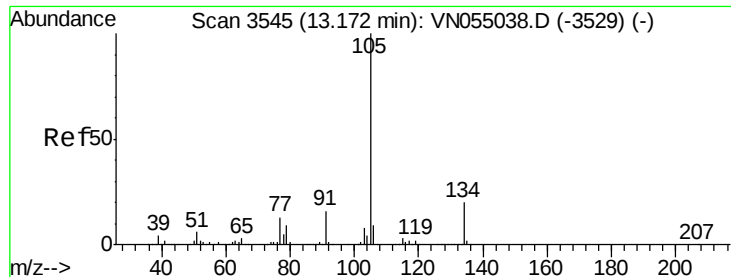
Tot Ion:119 Resp: 690776
Ion Ratio Lower Upper
119 100
91 66.8 33.3 99.8
134 26.4 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 47.433 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion:105 Resp: 826286
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3

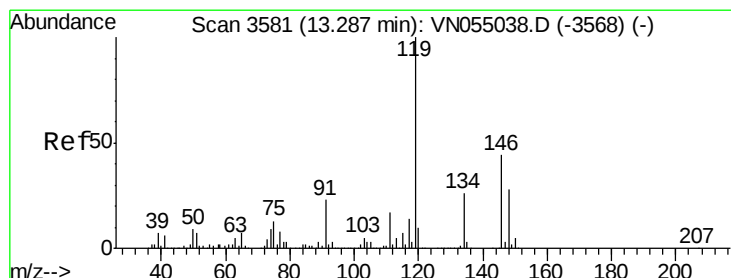
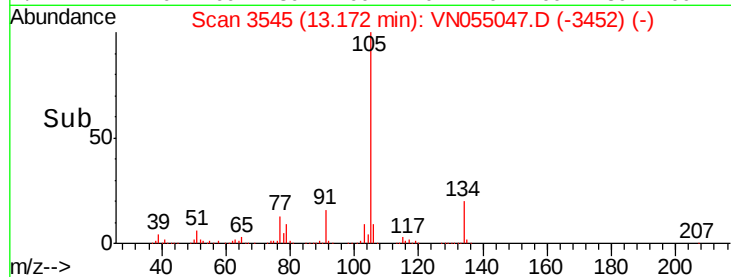
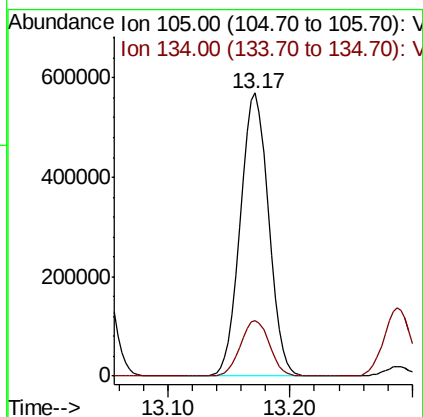
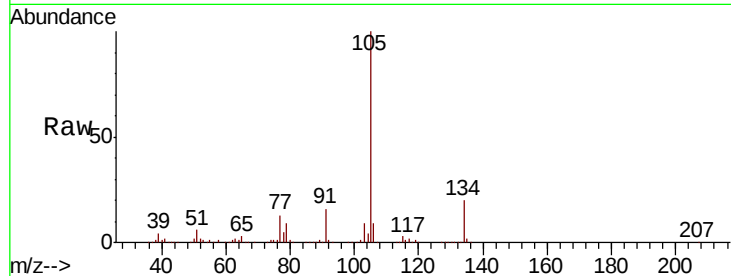




#85
 sec-Butylbenzene
 Concen: 45.879 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

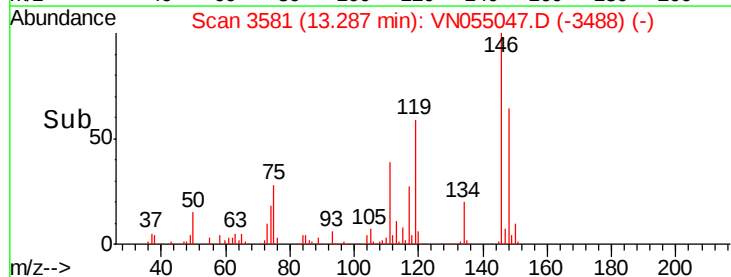
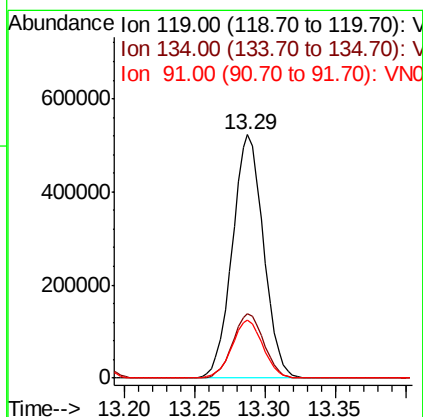
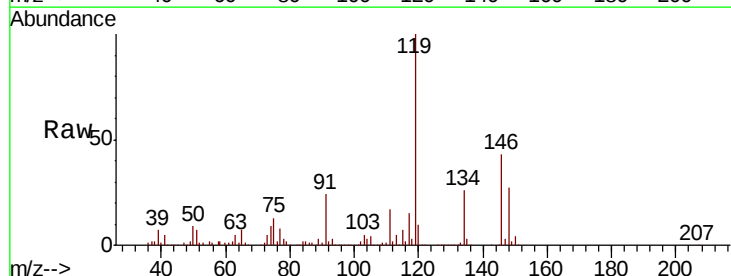
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

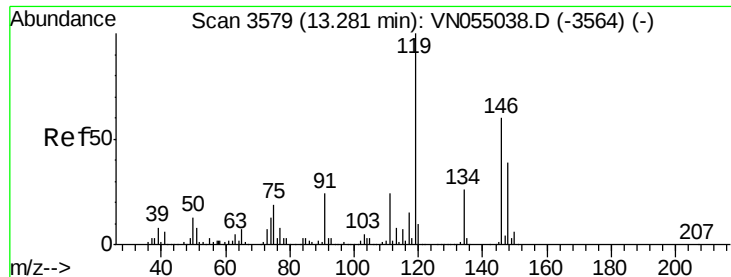
Tot Ion:105 Resp: 907532
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 47.473 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion:119 Resp: 805649
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 48.225 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

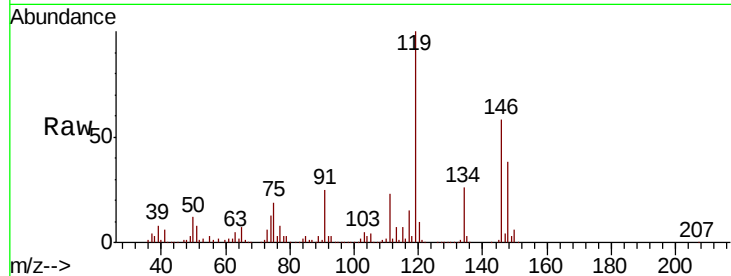
Tot Ion:146 Resp: 416248

Ion Ratio Lower Upper

146 100

111 38.7 19.5 58.5

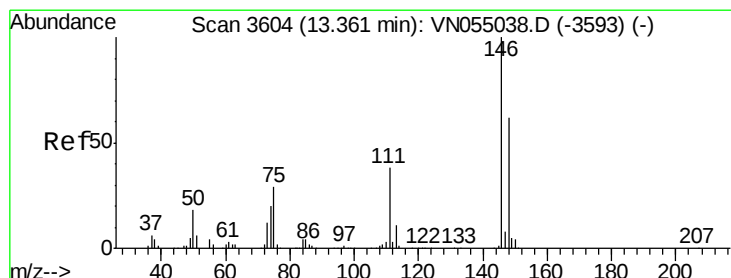
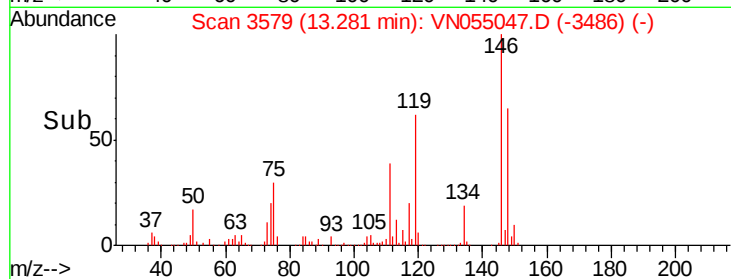
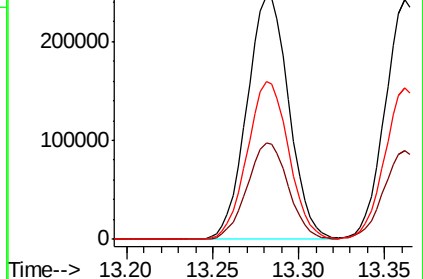
148 64.2 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.740 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

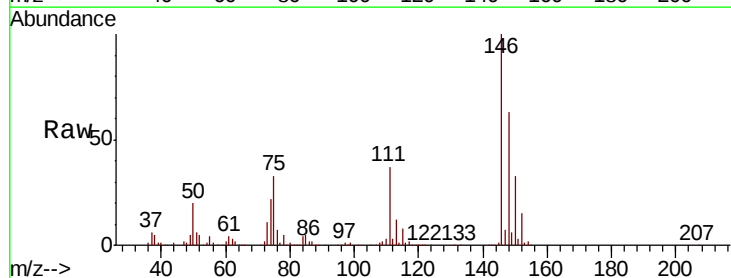
Tgt Ion:146 Resp: 401174

Ion Ratio Lower Upper

146 100

111 37.6 18.8 56.4

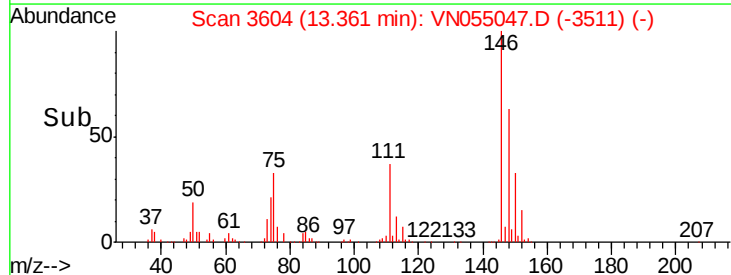
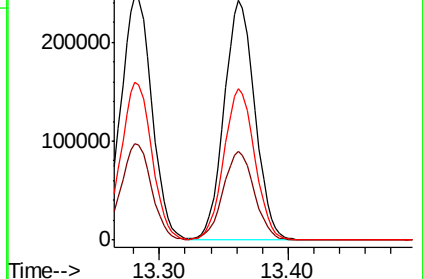
148 63.6 32.4 97.2

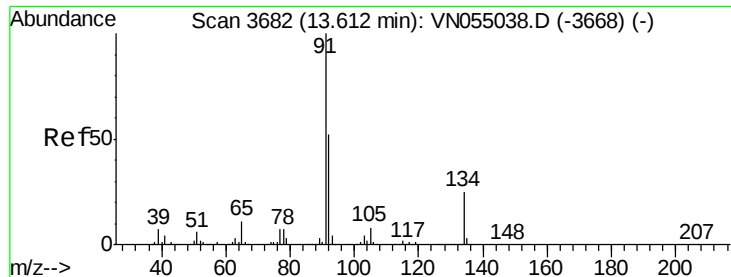


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

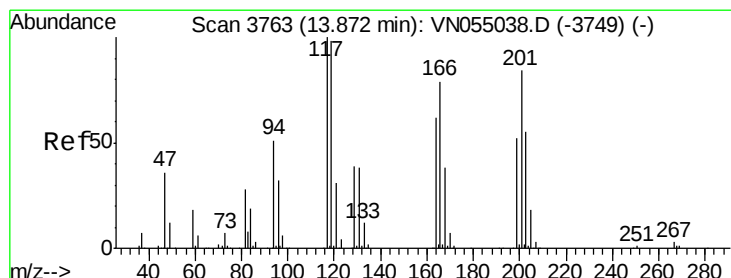
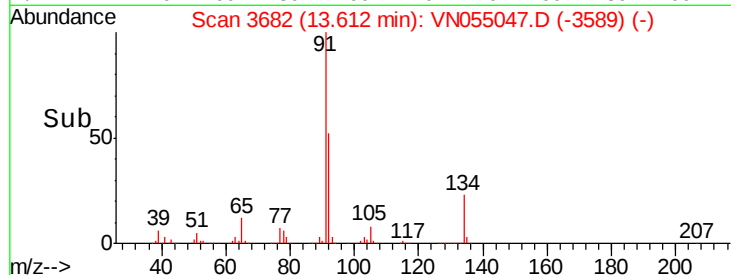
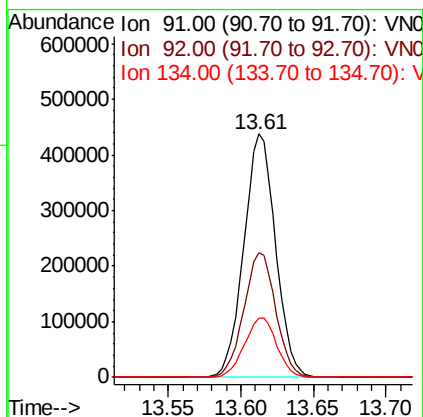
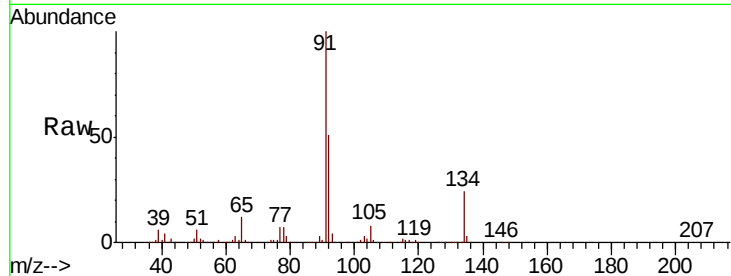




#89
n-Butylbenzene
Concen: 52.929 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

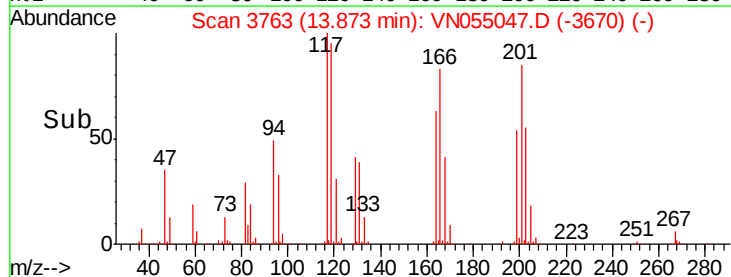
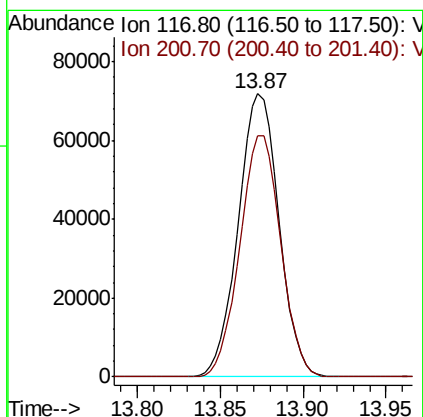
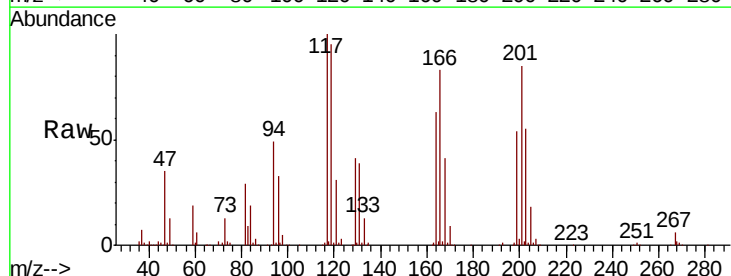
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

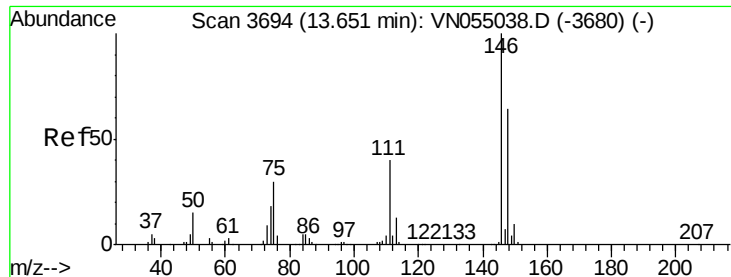
Tot Ion: 91 Resp: 666814
Ion Ratio Lower Upper
91 100
92 51.5 25.9 77.7
134 24.8 12.8 38.3



#90
Hexachloroethane
Concen: 44.430 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055047.D
Acq: 15 Apr 2019 16:51

Tgt Ion: 117 Resp: 122686
Ion Ratio Lower Upper
117 100
201 85.6 43.4 130.2

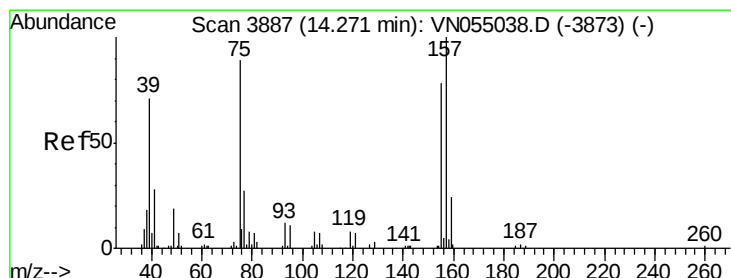
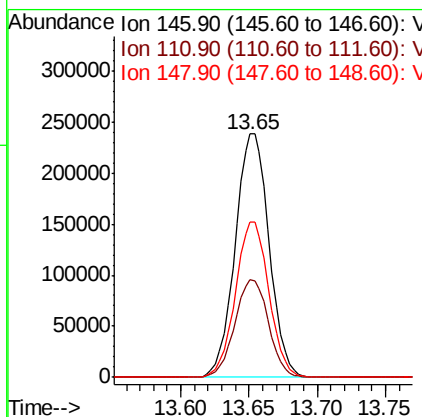
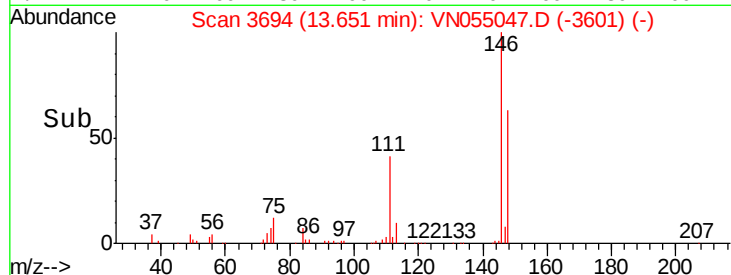
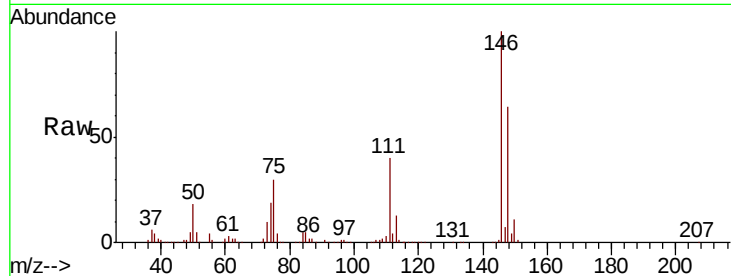




#91
 1,2-Dichlorobenzene
 Concen: 47.242 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

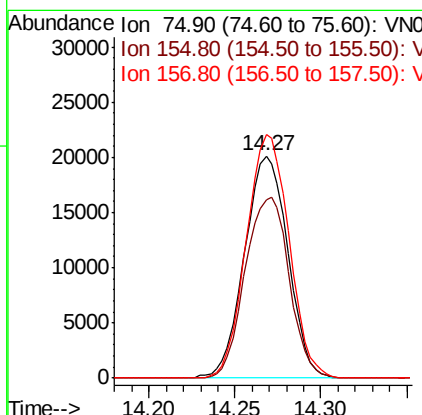
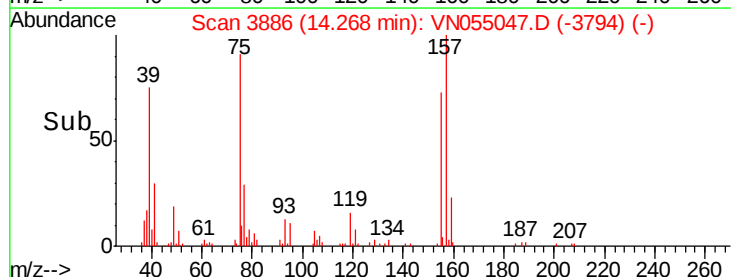
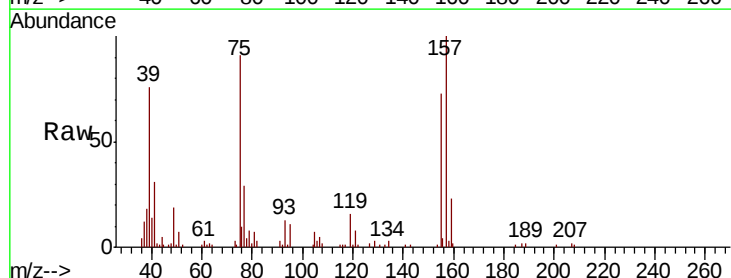
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

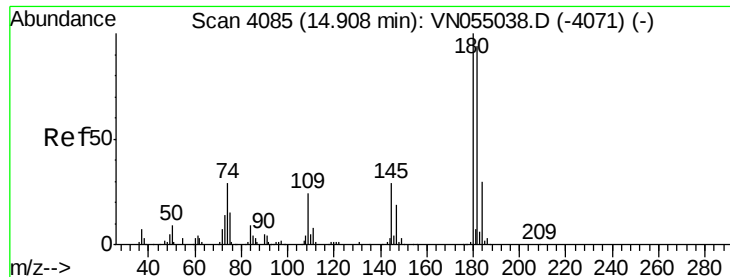
Tot Ion:146 Resp: 410264
 Ion Ratio Lower Upper
 146 100
 111 39.8 20.3 60.9
 148 63.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.885 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion: 75 Resp: 35189
 Ion Ratio Lower Upper
 75 100
 155 82.5 42.0 126.0
 157 107.6 52.1 156.4

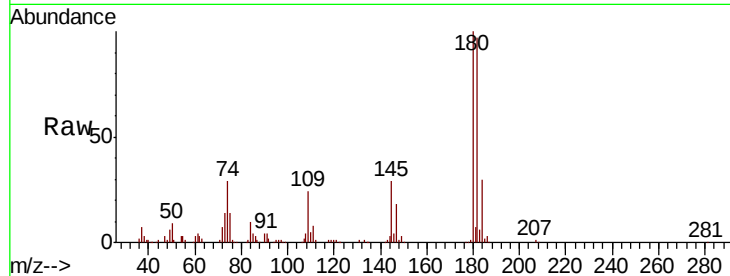




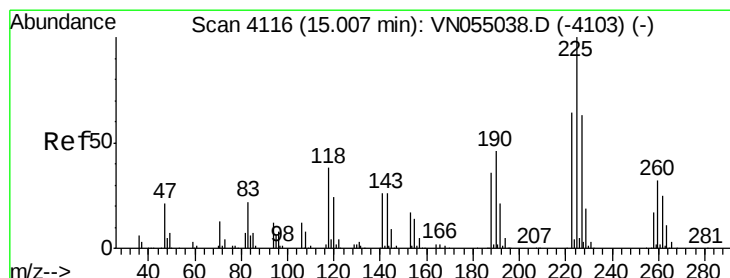
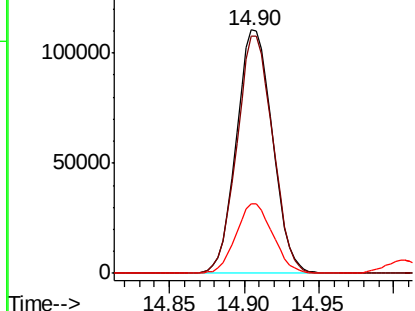
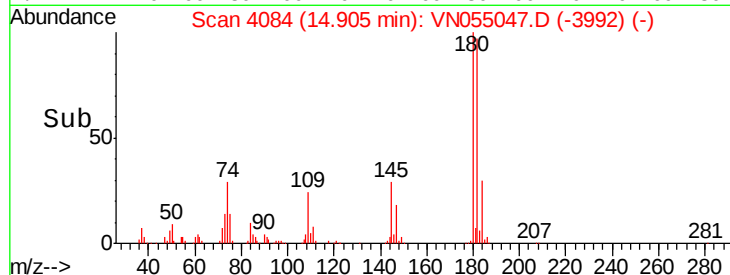
#93
 1,2,4-Trichlorobenzene
 Concen: 47.315 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	47.5	142.6
145	29.1	14.2	42.8

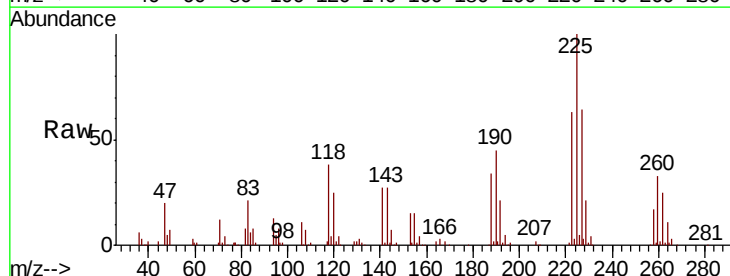


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

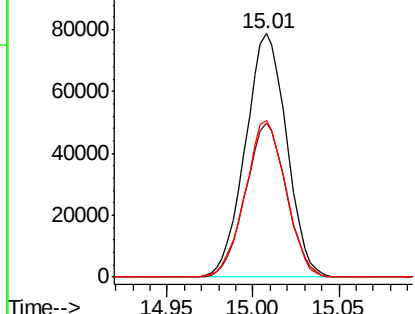
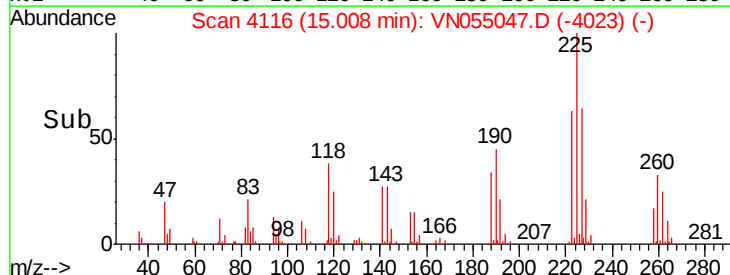


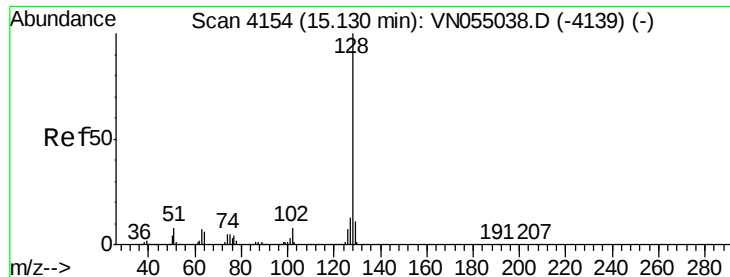
#94
 Hexachlorobutadiene
 Concen: 48.744 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055047.D
 Acq: 15 Apr 2019 16:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.0
227	63.4	32.6	97.7



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: 43.593 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

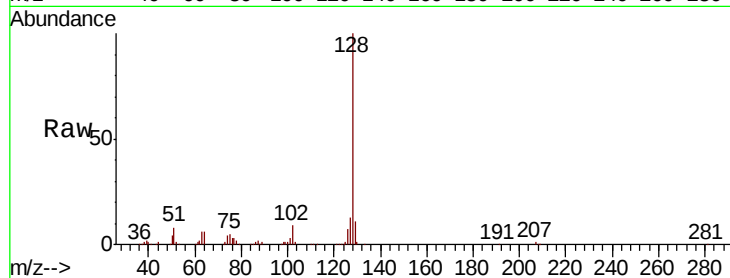
Tot Ion:128 Resp: 397597

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

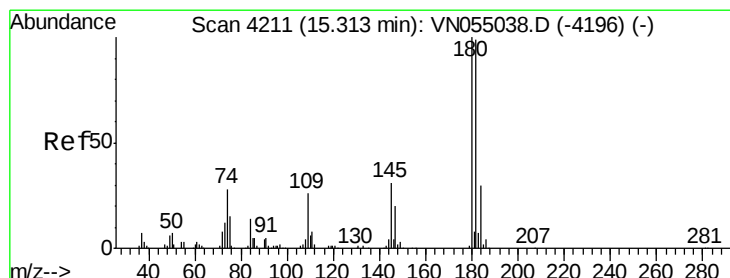
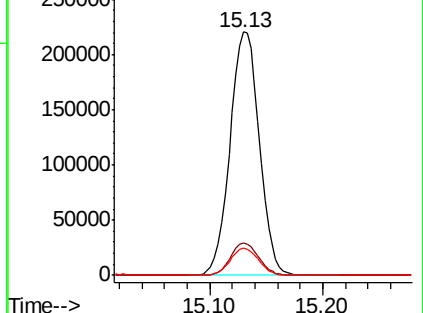
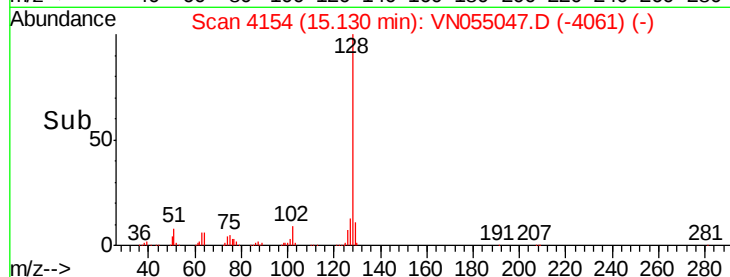
129 10.8 8.8 13.2



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: 55.320 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055047.D

Acq: 15 Apr 2019 16:51

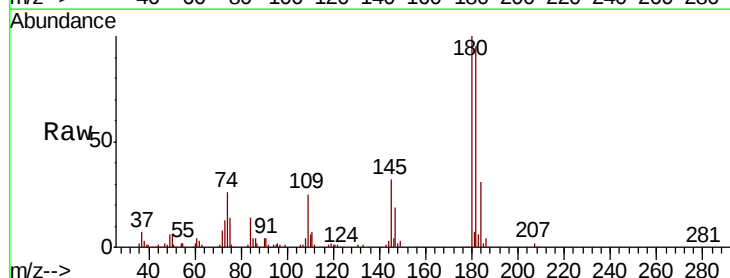
Tgt Ion:180 Resp: 185335

Ion Ratio Lower Upper

180 100

182 94.9 48.0 144.0

145 31.2 15.3 45.9



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

