

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031219\
 Data File : VN054175.D
 Acq On : 12 Mar 2019 20:27
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 13 07:28:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1509460	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2308285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2051827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1031992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	802606	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.59	113	730098	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
50) Toluene-d8	10.09	98	2686014	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.40	95	969360	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733806	51.294	ug/l	100
3) Chloromethane	2.06	50	691496	49.761	ug/l	99
4) Vinyl Chloride	2.19	62	780030	49.111	ug/l	100
5) Bromomethane	2.57	94	520278	47.296	ug/l	97
6) Chloroethane	2.71	64	452603	47.097	ug/l	100
7) Trichlorofluoromethane	3.02	101	1001330	47.418	ug/l	99
8) Diethyl Ether	3.41	74	495963	51.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	811132	51.259	ug/l	99
10) Methyl Iodide	3.94	142	1054772	47.027	ug/l	100
11) Tert butyl alcohol	4.81	59	268208	244.056	ug/l	98
12) 1,1-Dichloroethene	3.73	96	799821	51.004	ug/l	99
13) Acrolein	3.61	56	241815	232.211	ug/l	99
14) Allyl chloride	4.32	41	1030613	51.223	ug/l	99
15) Acrylonitrile	4.99	53	1161106	257.212	ug/l	100
16) Acetone	3.82	43	959376	209.019	ug/l	98
17) Carbon Disulfide	4.04	76	1988732	50.589	ug/l	99
18) Methyl Acetate	4.33	43	497236	53.546	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	2018805	51.937	ug/l	99
20) Methylene Chloride	4.54	84	766500	50.859	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	765507	50.949	ug/l	99
22) Diisopropyl ether	5.96	45	2066602	51.464	ug/l	99
23) Vinyl Acetate	5.90	43	7893315	266.600	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1316643	51.065	ug/l	99
25) 2-Butanone	6.84	43	1342032	249.118	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1103878	48.685	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	877693	52.362	ug/l	99
28) Bromochloromethane	7.19	49	531027	50.379	ug/l	99
29) Tetrahydrofuran	7.22	42	886683	255.991	ug/l	100
30) Chloroform	7.37	83	1400875	52.068	ug/l	99
31) Cyclohexane	7.65	56	1203917	49.942	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1261945	51.935	ug/l	100
36) 1,1-Dichloropropene	7.79	75	1083260	50.959	ug/l	99
37) Ethyl Acetate	6.94	43	622286	50.948	ug/l	100
38) Carbon Tetrachloride	7.77	117	1121851	50.325	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1315243	50.287	ug/l	99
40) Benzene	8.04	78	3096973	50.912	ug/l	99
41) Methacrylonitrile	7.17	41	348324	49.946	ug/l	98
42) 1,2-Dichloroethane	8.12	62	1046965	50.979	ug/l	100
43) Isopropyl Acetate	8.17	43	1093686	51.013	ug/l	98
44) Trichloroethene	8.83	130	951651	50.361	ug/l	99
45) 1,2-Dichloropropane	9.12	63	781013	51.707	ug/l	100
46) Dibromomethane	9.21	93	522772	51.224	ug/l	98
47) Bromodichloromethane	9.40	83	1059200	51.771	ug/l	98
48) Methyl methacrylate	9.20	41	573239	52.687	ug/l	100
49) 1,4-Dioxane	9.20	88	160657	1043.922	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	2965897	261.409	ug/l	100
52) Toluene	10.16	92	1975024	51.206	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1099069	47.088	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	1246304	52.274	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	713890	50.690	ug/l	99
56) Ethyl methacrylate	10.43	69	885176	52.712	ug/l	99
57) 1,3-Dichloropropane	10.71	76	1182221	51.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1683625	232.368	ug/l	100
59) 2-Hexanone	10.75	43	1874482	248.293	ug/l	99
60) Dibromochloromethane	10.90	129	832126	52.494	ug/l	100
61) 1,2-Dibromoethane	11.01	107	745968	52.122	ug/l	99
64) Tetrachloroethene	10.63	164	970442	48.918	ug/l	98
65) Chlorobenzene	11.43	112	2281189	50.634	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	838869	51.256	ug/l	98
67) Ethyl Benzene	11.51	91	3747340	50.177	ug/l	100
68) m/p-Xylenes	11.62	106	2973493	101.869	ug/l	100
69) o-Xylene	11.95	106	1448541	50.907	ug/l	100
70) Styrene	11.96	104	2327213	52.149	ug/l	99
71) Bromoform	12.13	173	576431	46.382	ug/l #	99
73) Isopropylbenzene	12.25	105	3867243	46.838	ug/l	100
74) N-amyl acetate	12.07	43	909545	49.629	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	831119	47.247	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	1053204	69.400	ug/l #	100
77) Bromobenzene	12.53	156	1038668	47.540	ug/l	99
78) n-propylbenzene	12.59	91	4281997	47.796	ug/l	100
79) 2-Chlorotoluene	12.67	91	2542916	47.207	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3246233	47.268	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	210181	47.344	ug/l	98
82) 4-Chlorotoluene	12.77	91	2577655	47.922	ug/l	99
83) tert-Butylbenzene	12.99	119	2968171	46.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3283507	48.734	ug/l	99
85) sec-Butylbenzene	13.17	105	3876140	47.282	ug/l	100
86) p-Isopropyltoluene	13.29	119	3465356	48.183	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1825100	49.575	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1781316	49.254	ug/l	100
89) n-Butylbenzene	13.61	91	2809928	51.421	ug/l	100
90) Hexachloroethane	13.88	117	571486	47.988	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1779556	49.446	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134327	49.347	ug/l	99

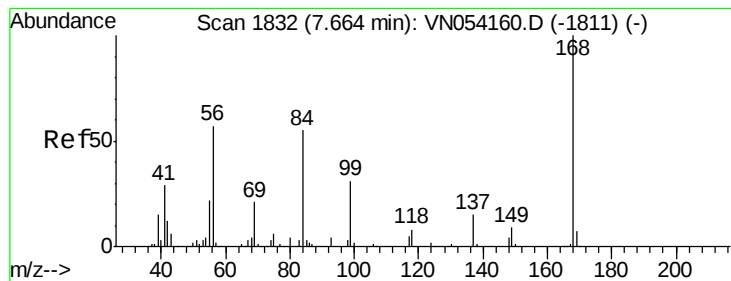
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1021306	47.155	ug/l	99
94) Hexachlorobutadiene	15.01	225	653898	47.700	ug/l	99
95) Naphthalene	15.13	128	2012996	44.857	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	1011766	52.910	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

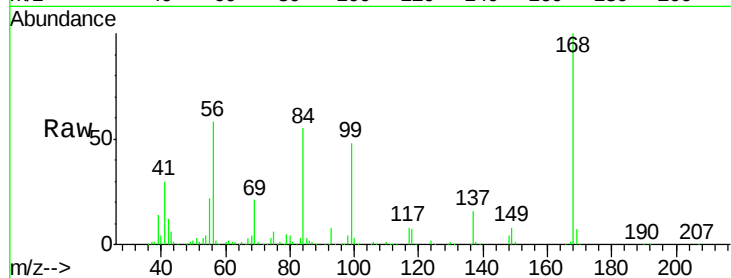
VSTDCCC050EC

Tot Ion:168 Resp: 1509460

Ion Ratio Lower Upper

168 100

99 47.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

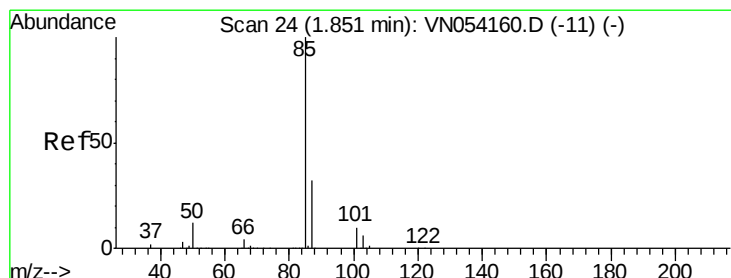
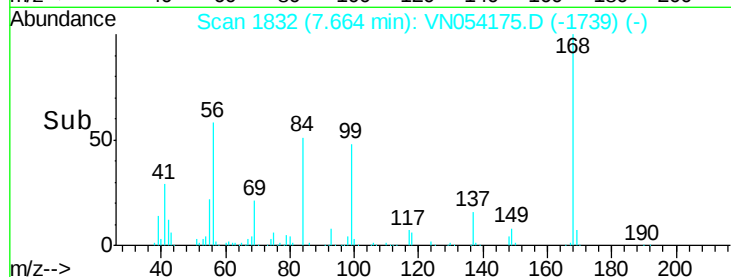
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 51.294 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054175.D

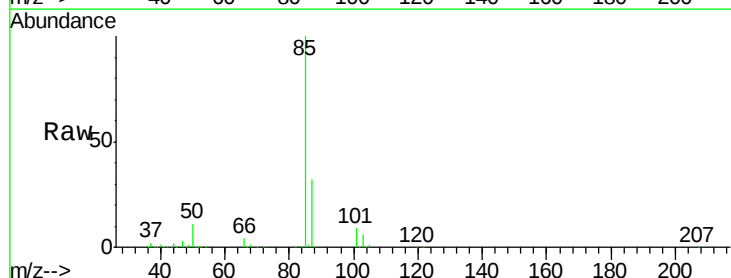
Acq: 12 Mar 2019 20:27

Tgt Ion: 85 Resp: 733806

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

600000

500000

400000

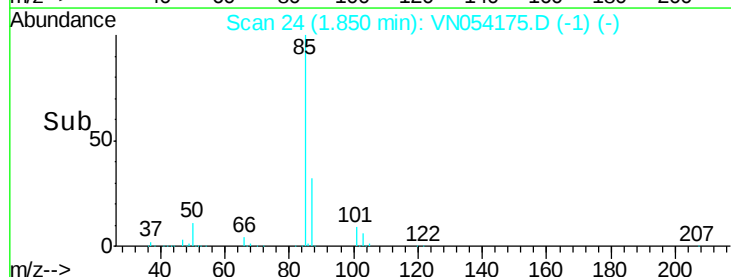
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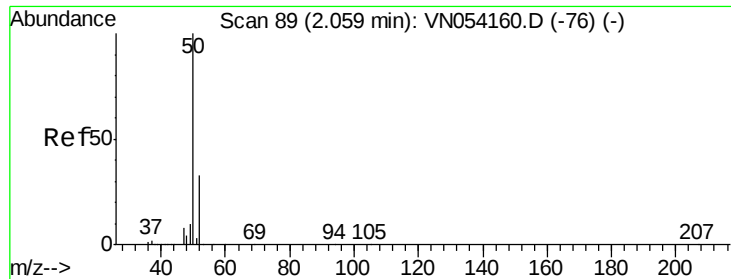
200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 49.761 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

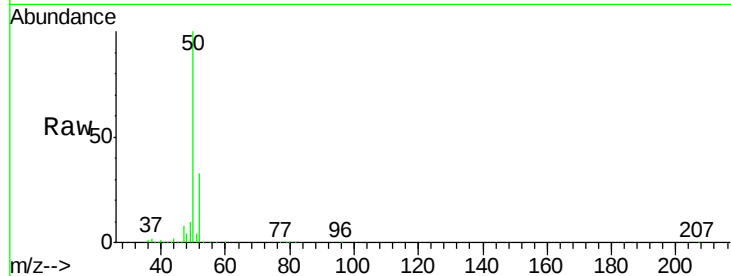
VSTDCCC050EC

Tot Ion: 50 Resp: 691496

Ion Ratio Lower Upper

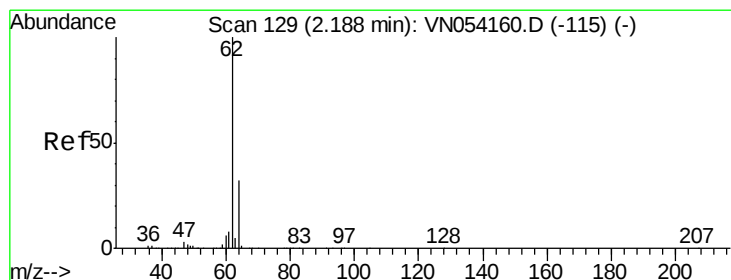
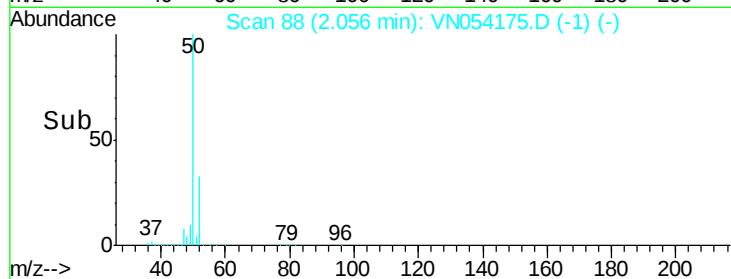
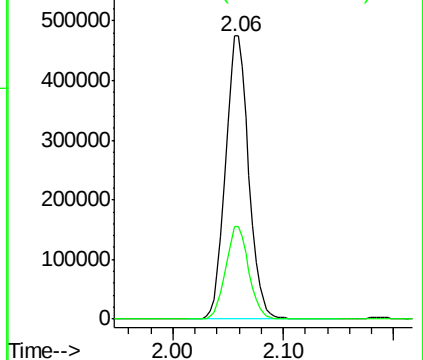
50 100

52 32.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 49.111 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054175.D

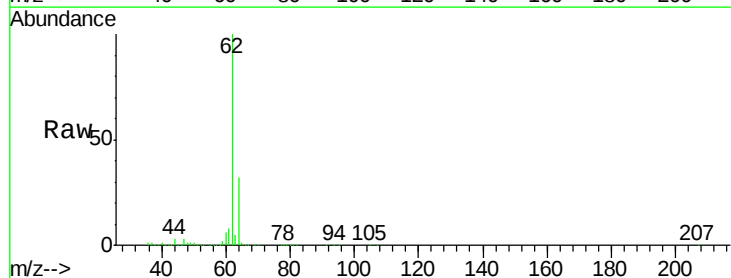
Acq: 12 Mar 2019 20:27

Tgt Ion: 62 Resp: 780030

Ion Ratio Lower Upper

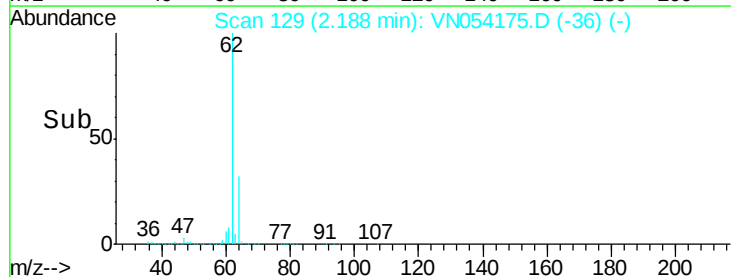
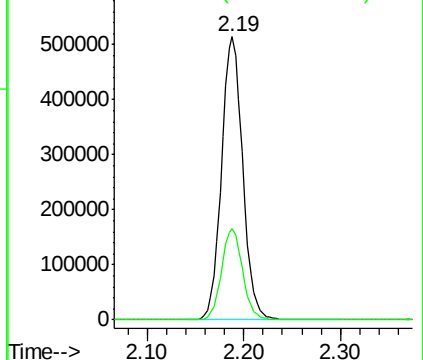
62 100

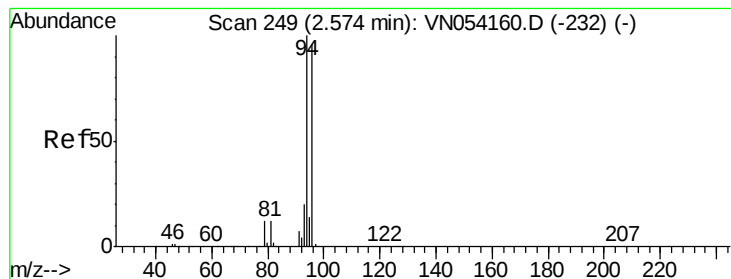
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 47.296 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

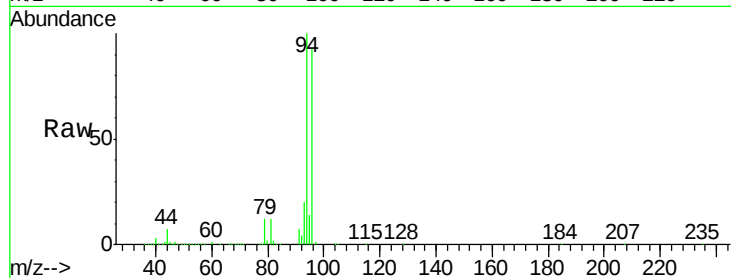
VSTDCCC050EC

Tot Ion: 94 Resp: 520278

Ion Ratio Lower Upper

94 100

96 93.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

250000

200000

150000

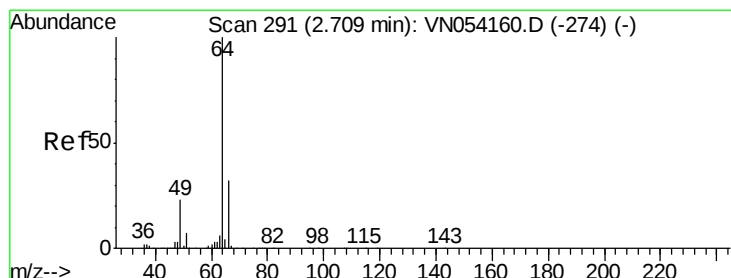
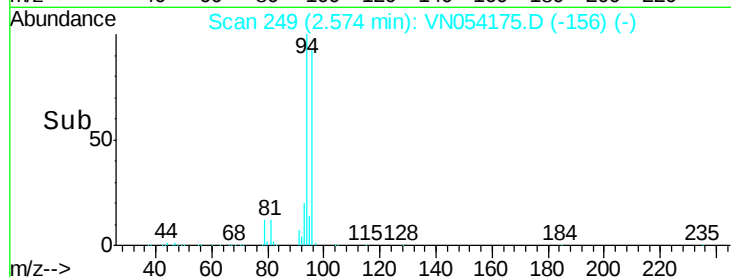
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 47.097 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054175.D

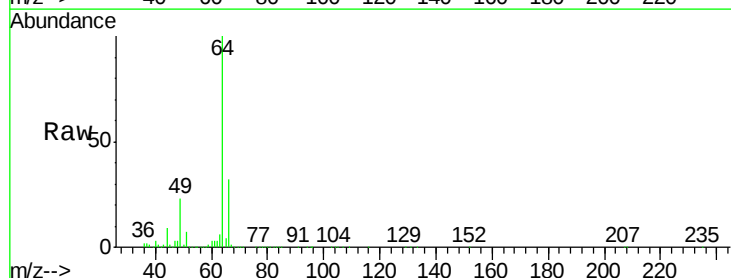
Acq: 12 Mar 2019 20:27

Tgt Ion: 64 Resp: 452603

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

250000

200000

150000

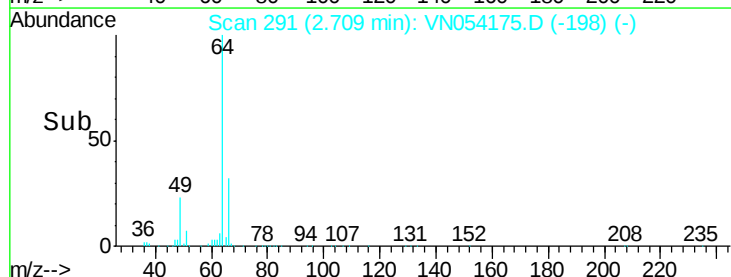
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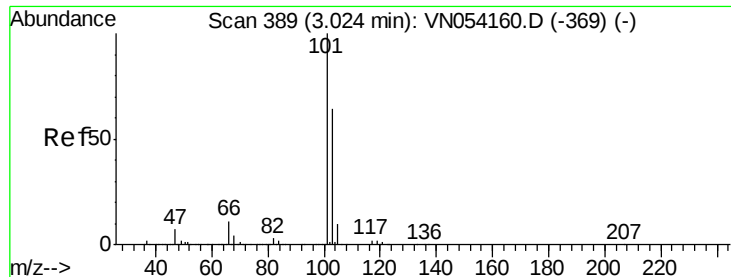
50000

0

Time-->

2.60 2.70 2.80



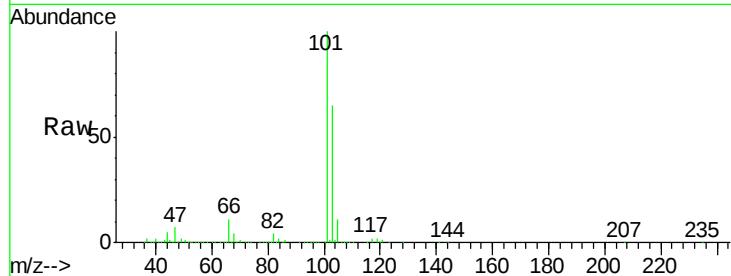


#7

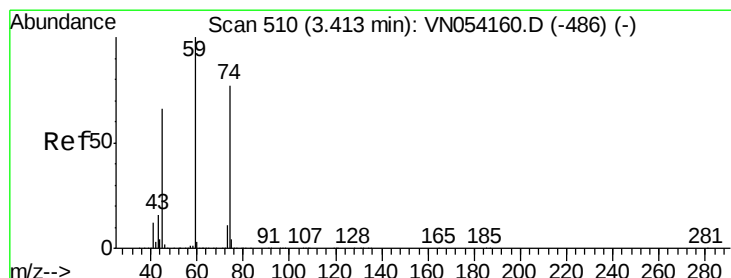
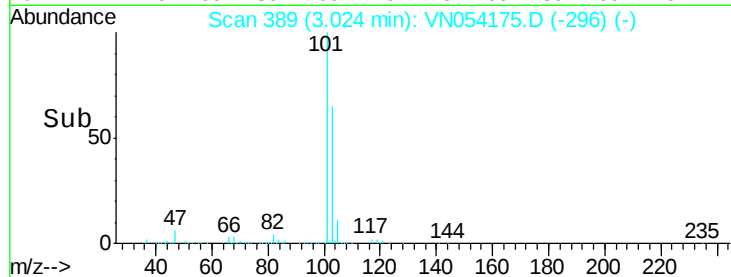
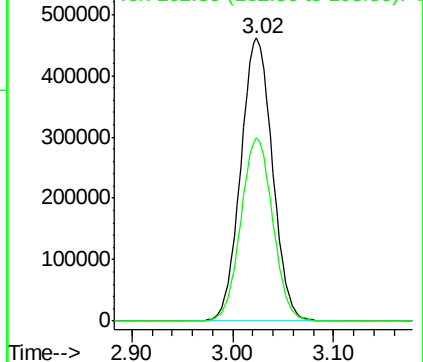
Trichlorofluoromethane
 Concen: 47.418 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
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Tot Ion:101 Resp: 1001330
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.4 77.2



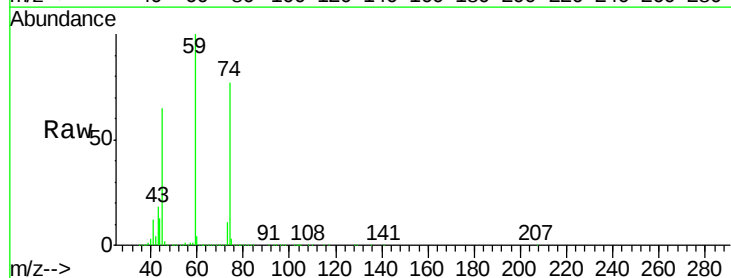
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



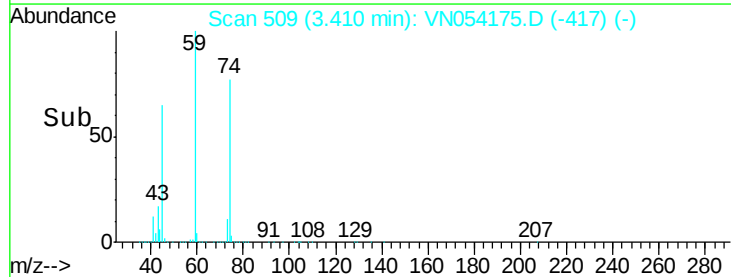
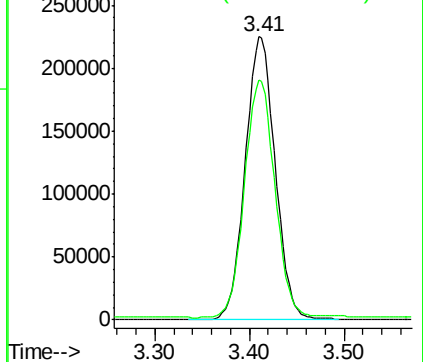
#8

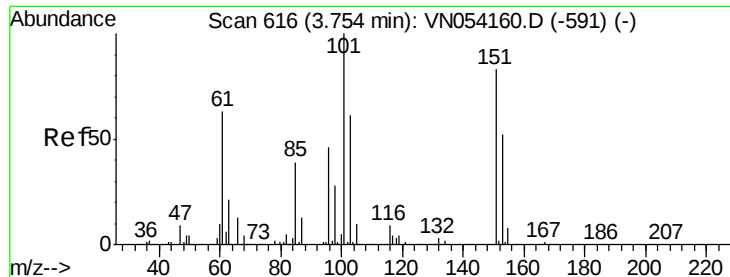
Diethyl Ether
 Concen: 51.539 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 74 Resp: 495963
 Ion Ratio Lower Upper
 74 100
 45 85.2 43.1 129.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.259 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

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VSTDCCC050EC

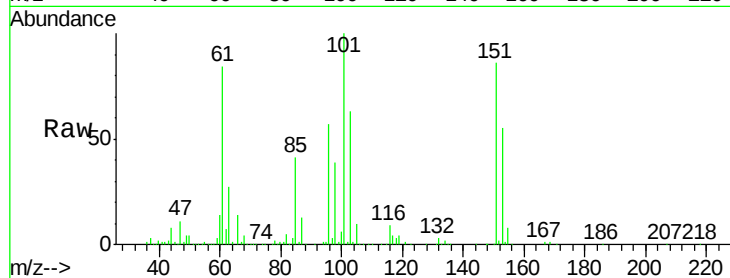
Tot Ion:101 Resp: 811132

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

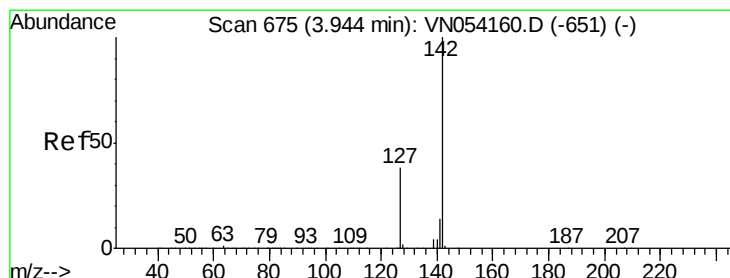
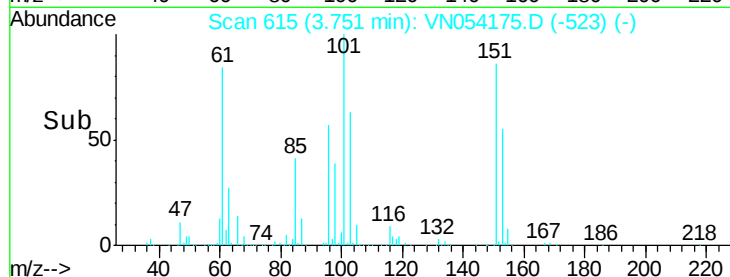
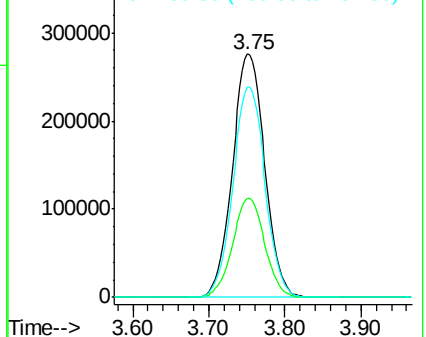
151 86.3 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.027 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

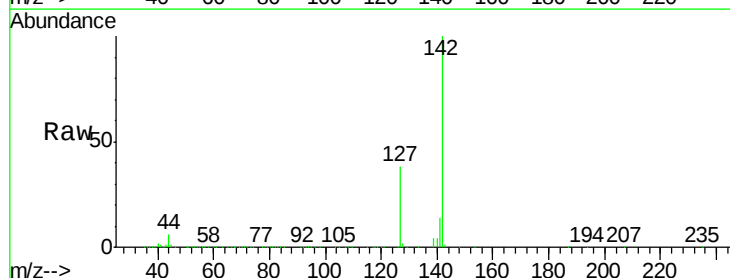
Tgt Ion:142 Resp: 1054772

Ion Ratio Lower Upper

142 100

127 37.9 30.3 45.5

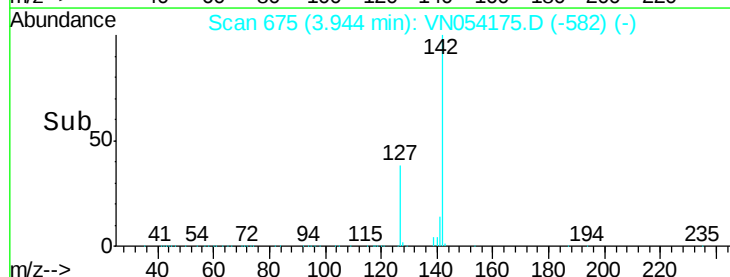
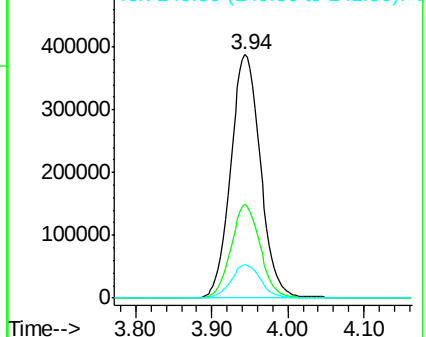
141 13.7 11.2 16.8

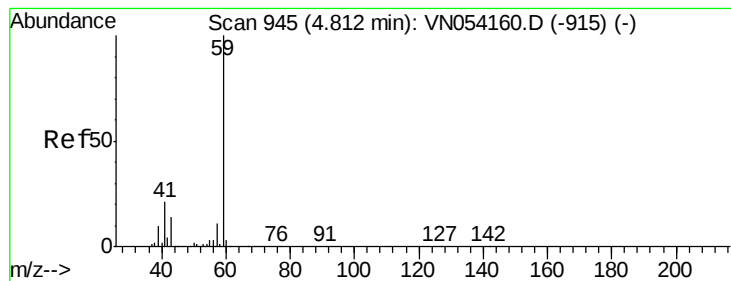


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



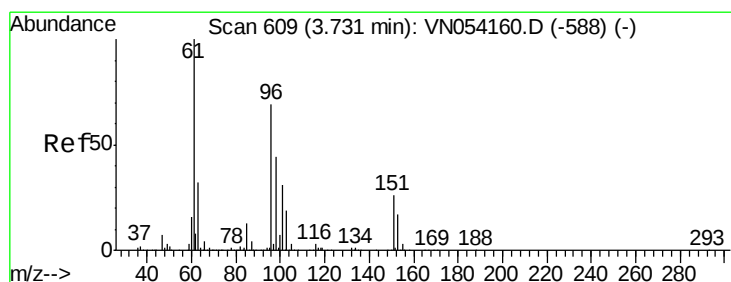
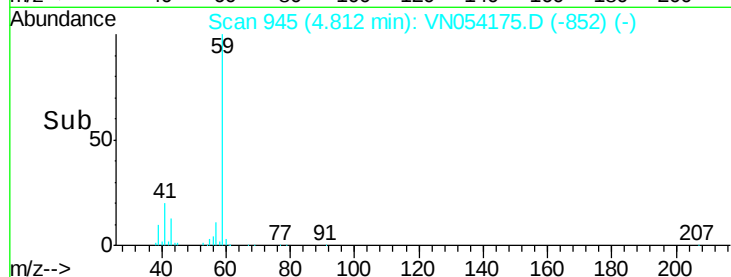
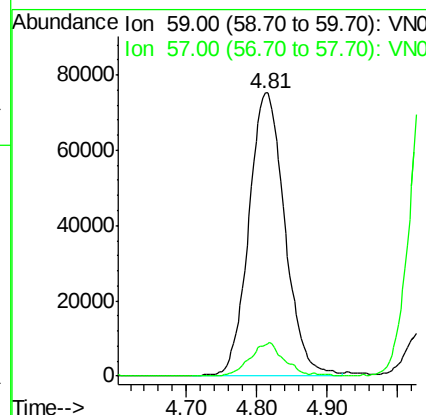
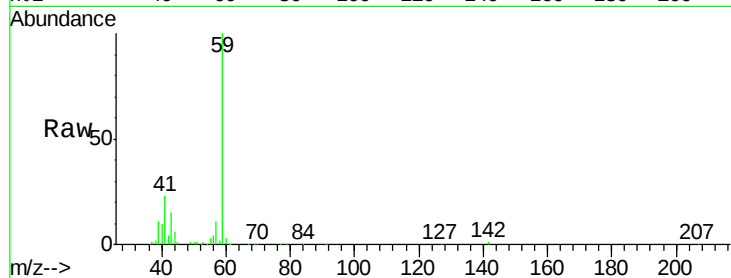


#11

Tert butyl alcohol
 Concen: 244.056 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

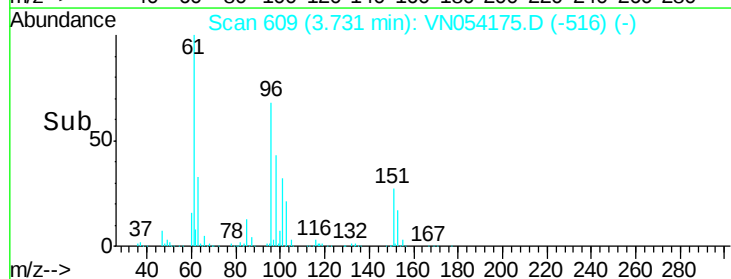
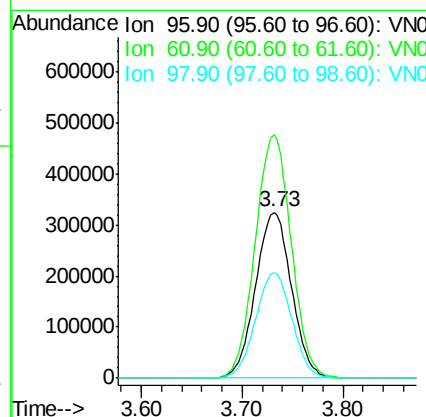
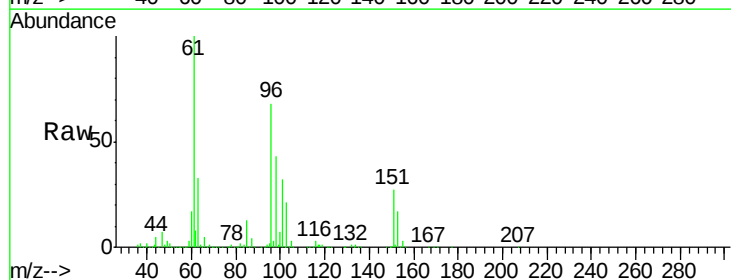
Tot Ion: 59 Resp: 268208
 Ion Ratio Lower Upper
 59 100
 57 10.4 9.0 13.6

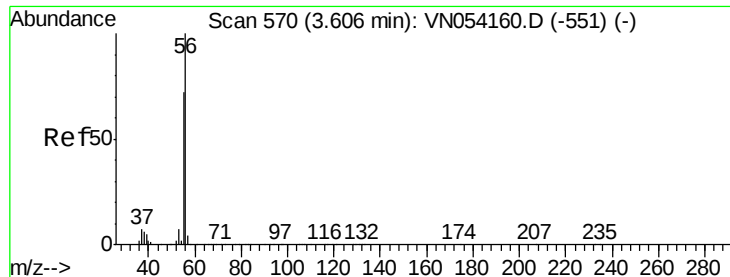


#12

1,1-Dichloroethene
 Concen: 51.004 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 96 Resp: 799821
 Ion Ratio Lower Upper
 96 100
 61 146.9 116.5 174.7
 98 63.9 51.0 76.4





#13

Acrolein

Concen: 232.211 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

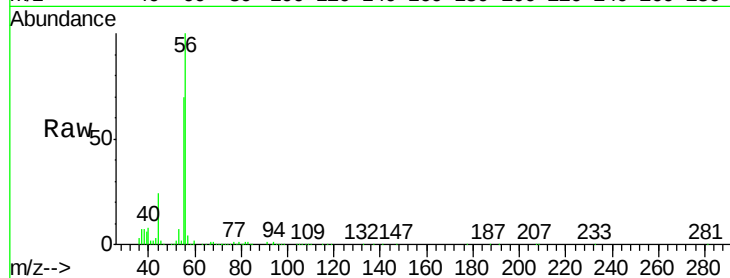
VSTDCCC050EC

Tot Ion: 56 Resp: 241815

Ion Ratio Lower Upper

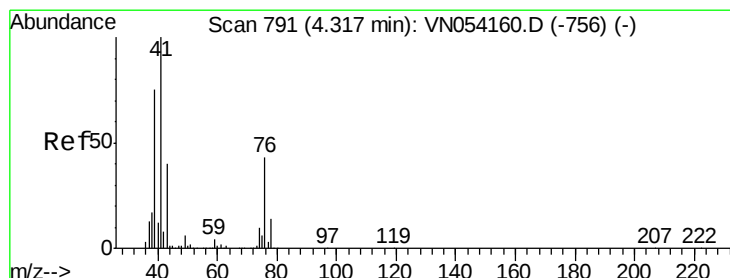
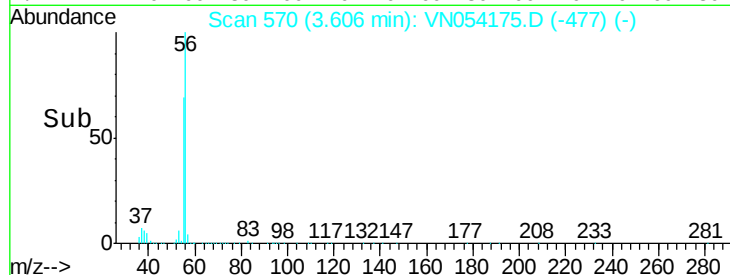
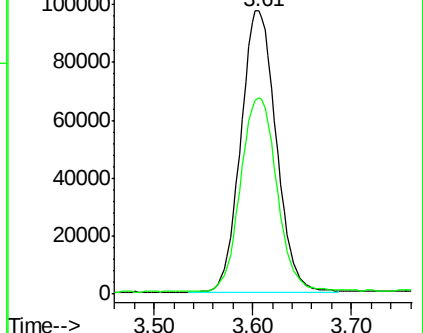
56 100

55 70.1 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 51.223 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

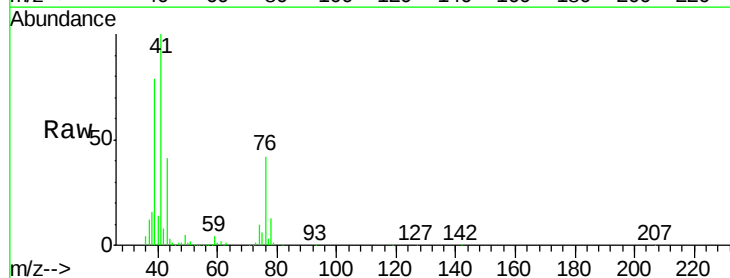
Tgt Ion: 41 Resp: 1030613

Ion Ratio Lower Upper

41 100

39 74.3 58.2 87.4

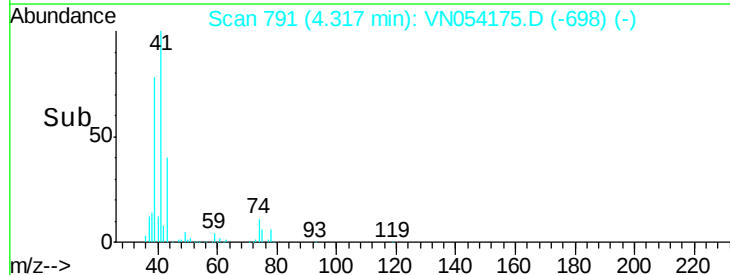
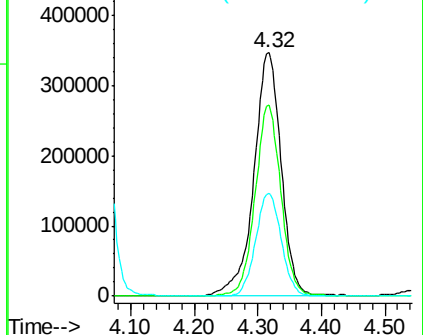
76 39.6 31.7 47.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 257.212 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

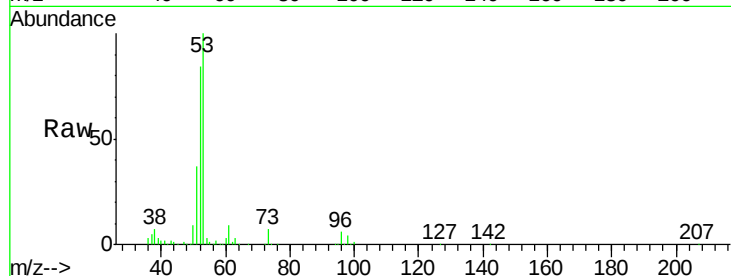
Tot Ion: 53 Resp: 1161106

Ion Ratio Lower Upper

53 100

52 83.0 66.4 99.6

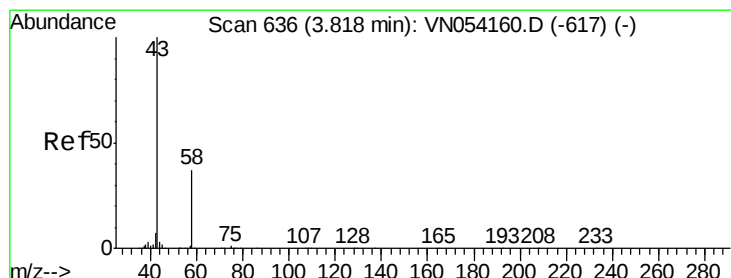
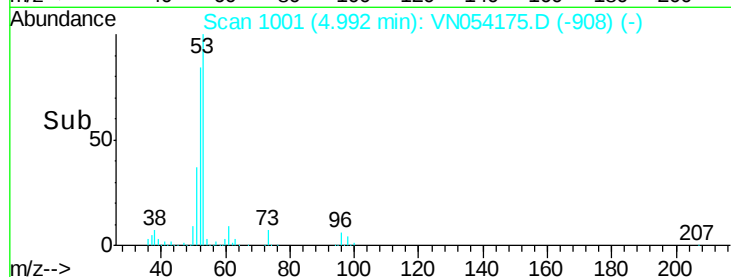
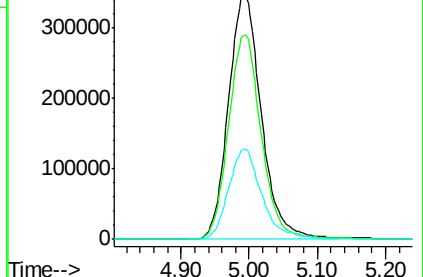
51 37.3 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054160.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054160.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054160.D (-973) (-)



#16

Acetone

Concen: 209.019 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054175.D

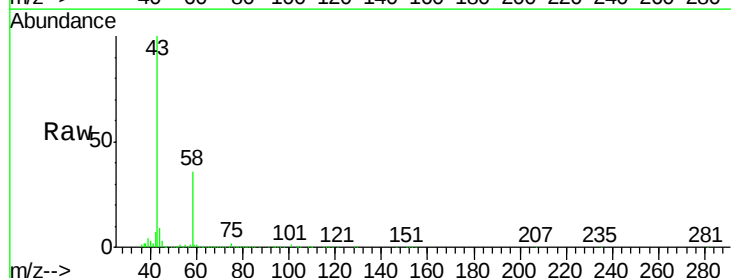
Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 959376

Ion Ratio Lower Upper

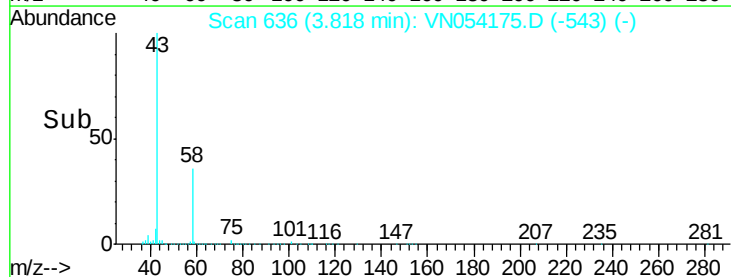
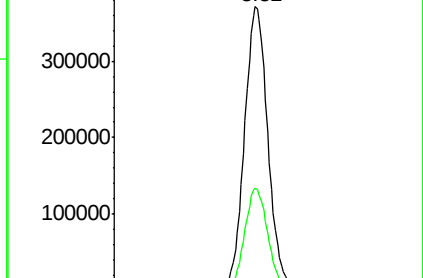
43 100

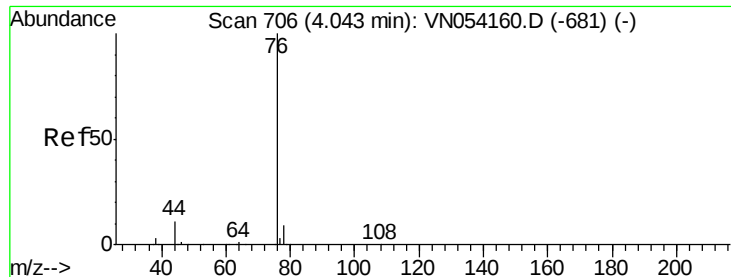
58 36.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054160.D (-617) (-)

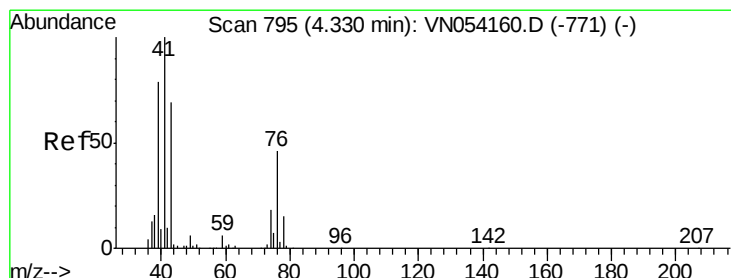
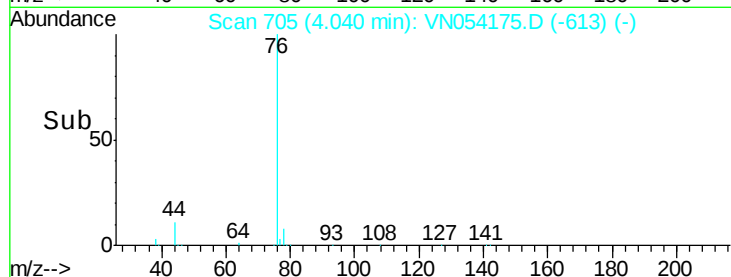
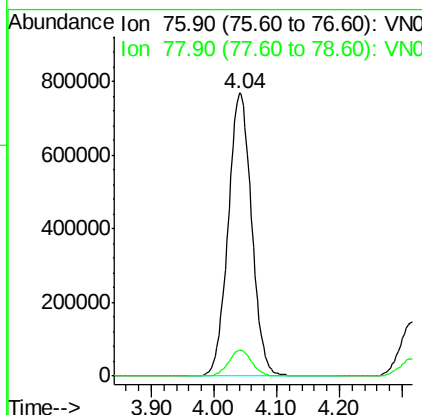
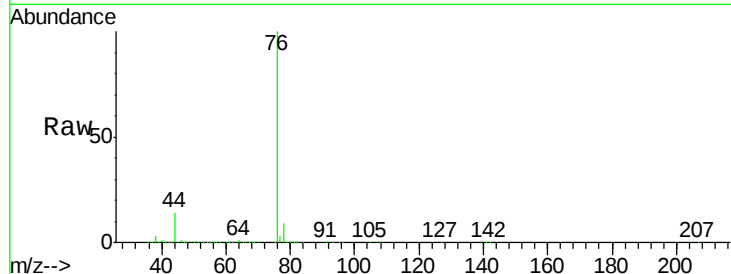




#17
Carbon Disulfide
Concen: 50.589 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

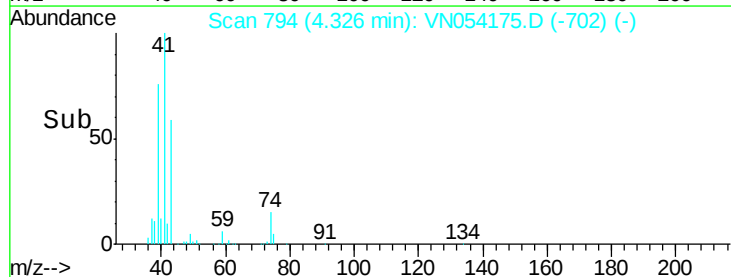
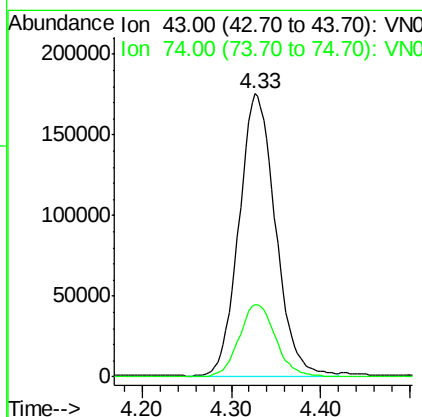
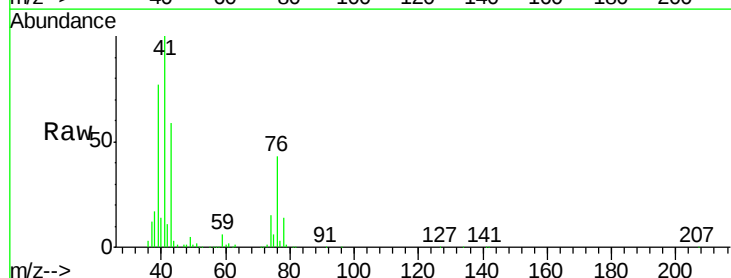
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

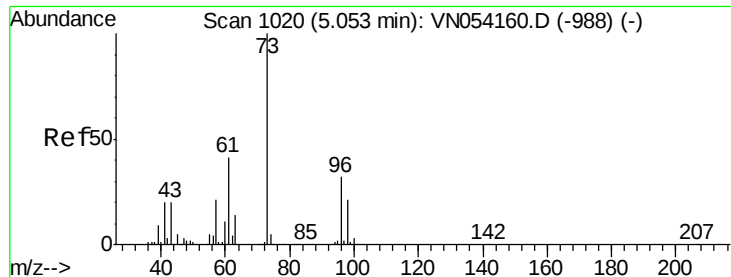
Tot Ion: 76 Resp: 1988732
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3



#18
Methyl Acetate
Concen: 53.546 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 497236
Ion Ratio Lower Upper
43 100
74 26.0 20.8 31.2

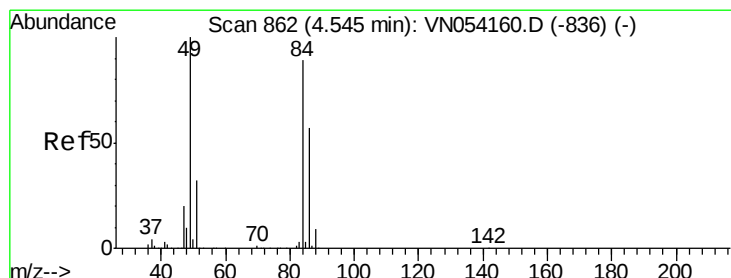
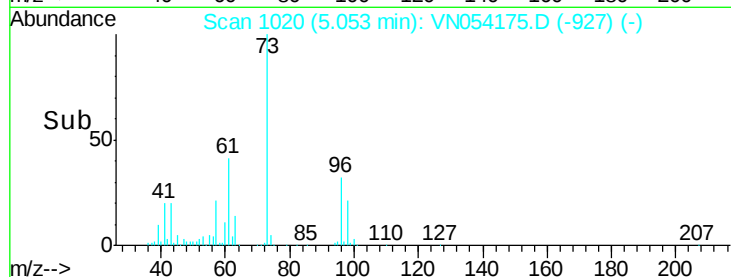
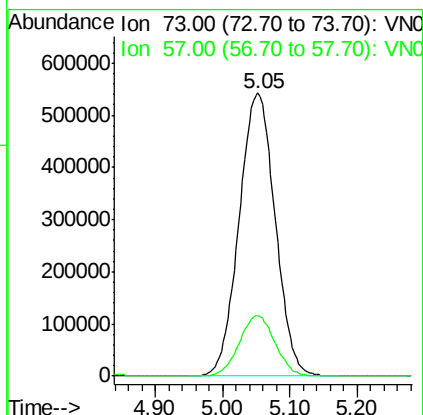
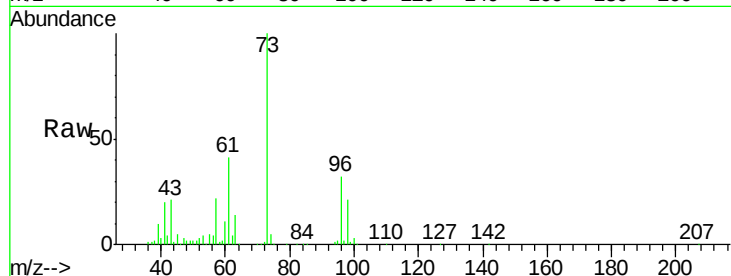




#19
Methyl tert-butyl Ether
Concen: 51.937 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

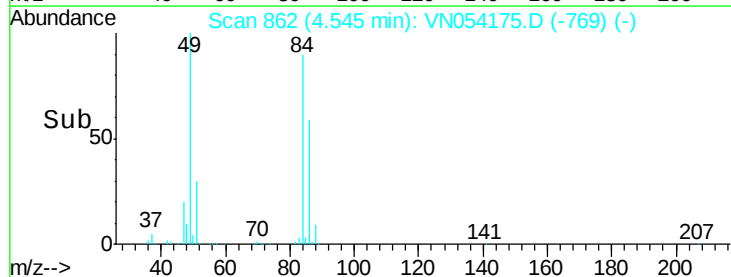
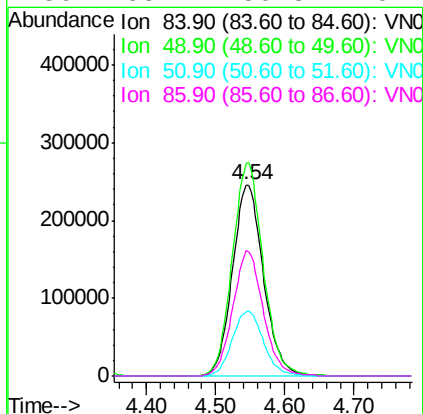
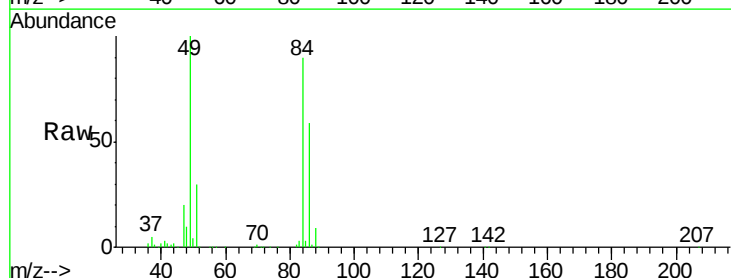
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 2018805
Ion Ratio Lower Upper
73 100
57 21.5 16.8 25.2



#20
Methylene Chloride
Concen: 50.859 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 84 Resp: 766500
Ion Ratio Lower Upper
84 100
49 111.5 89.7 134.5
51 33.8 28.2 42.4
86 65.4 50.8 76.2

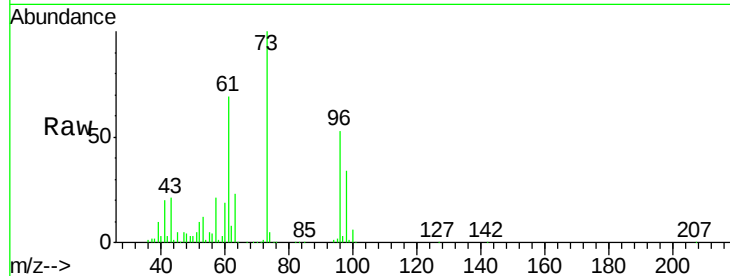




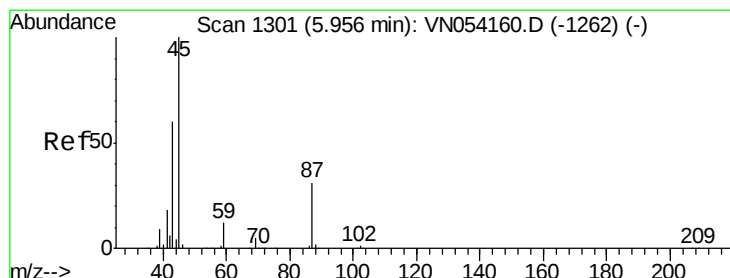
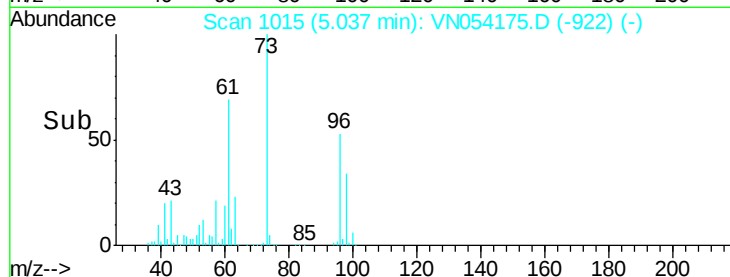
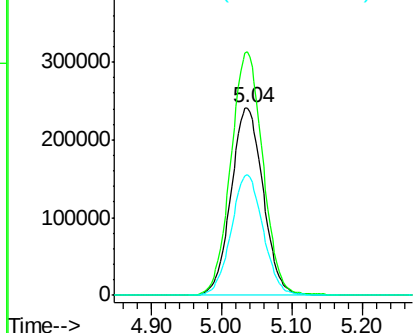
#21
trans-1,2-Dichloroethene
Concen: 50.949 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 765507
Ion Ratio Lower Upper
96 100
61 129.7 102.8 154.2
98 64.3 50.0 75.0

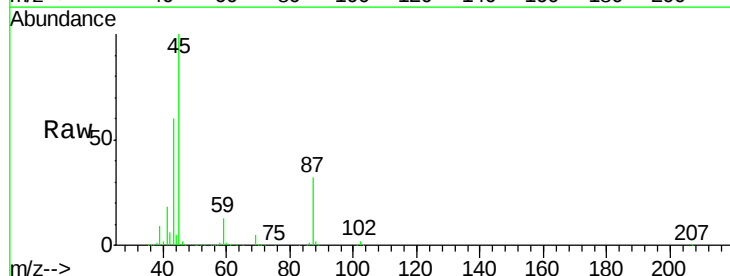


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

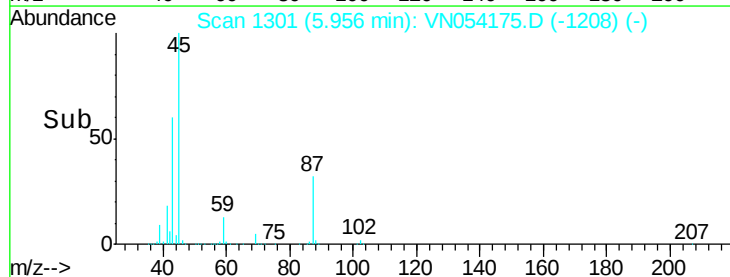
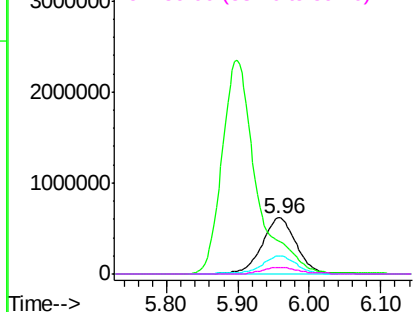


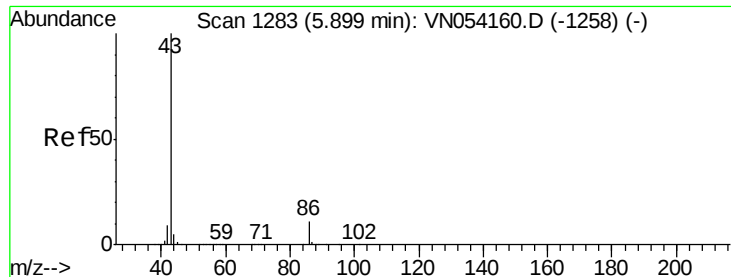
#22
Diisopropyl ether
Concen: 51.464 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 45 Resp: 2066602
Ion Ratio Lower Upper
45 100
43 59.3 48.2 72.2
87 31.7 24.9 37.3
59 12.3 9.5 14.3



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





#23

Vinyl Acetate

Concen: 266.600 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

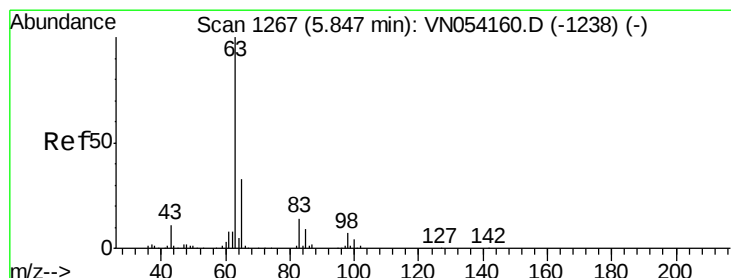
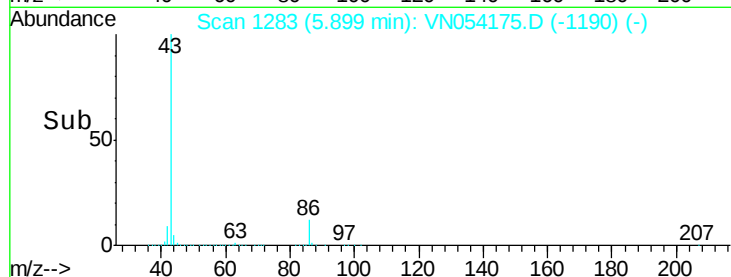
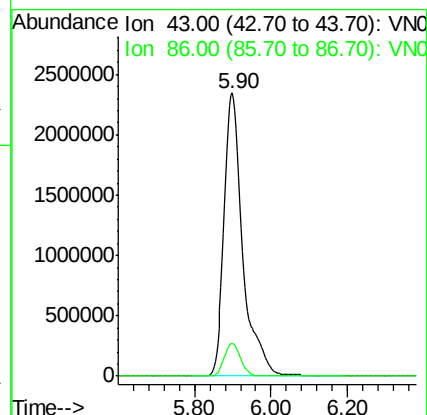
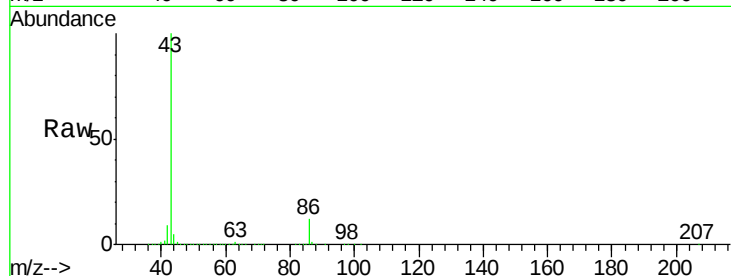
VSTDCCC050EC

Tot Ion: 43 Resp: 7893315

Ion Ratio Lower Upper

43 100

86 11.6 9.1 13.7



#24

1,1-Dichloroethane

Concen: 51.065 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

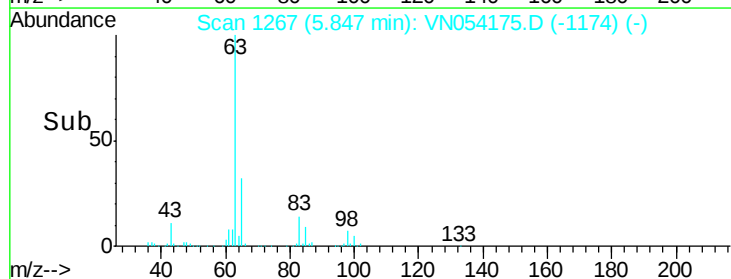
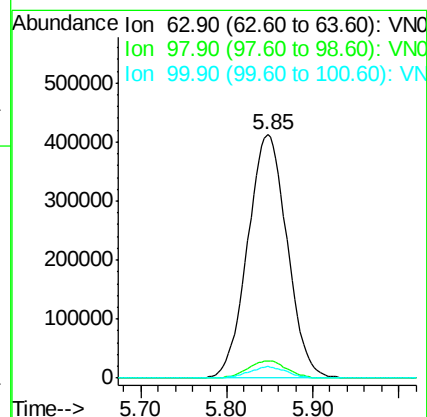
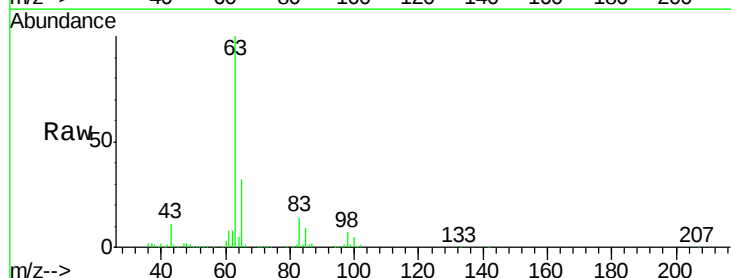
Tgt Ion: 63 Resp: 1316643

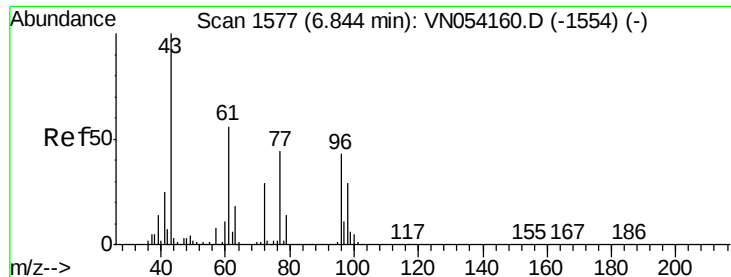
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.7 2.0 6.0

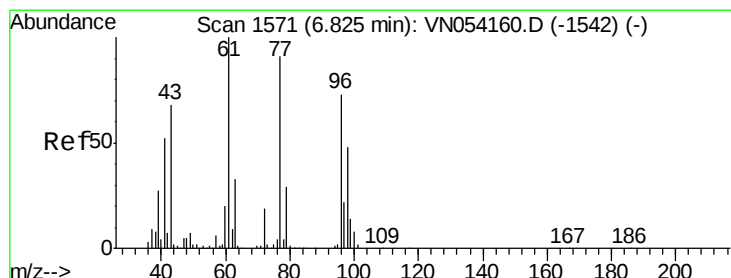
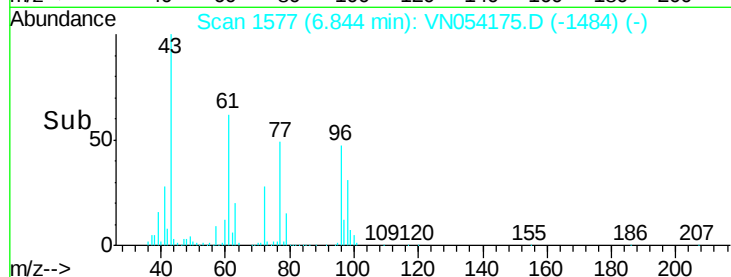
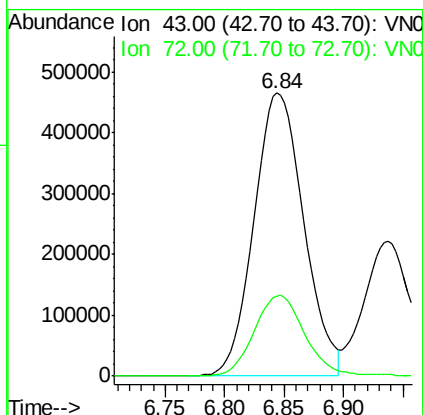
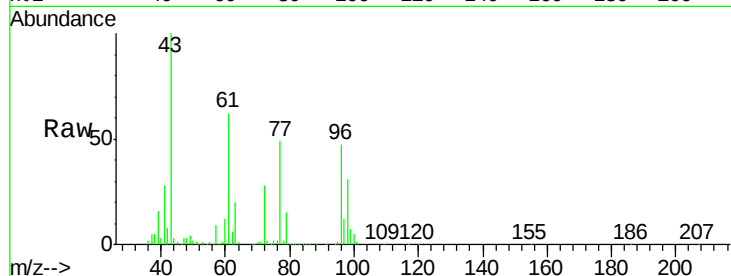




#25
 2-Butanone
 Concen: 249.118 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

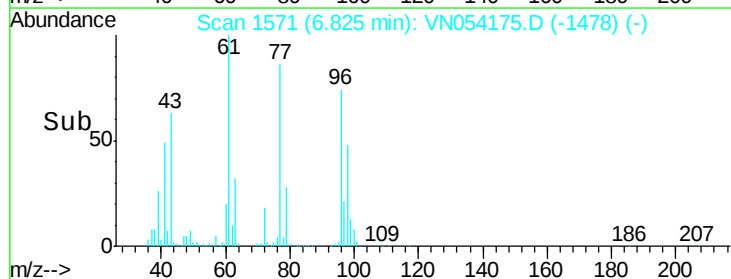
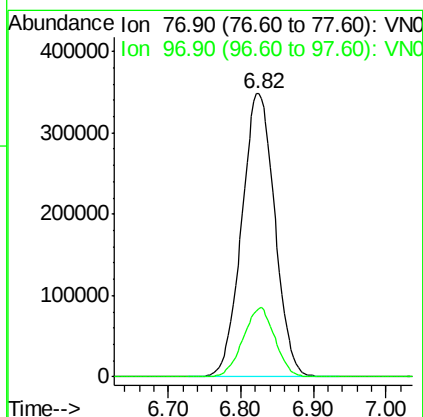
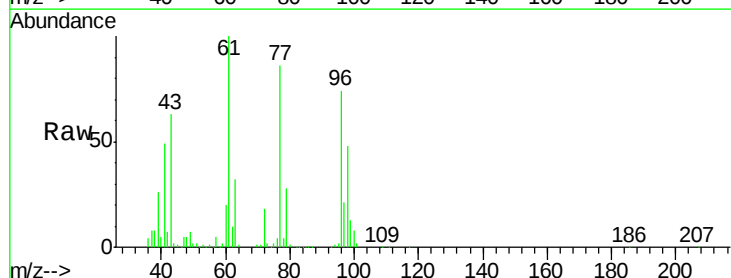
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

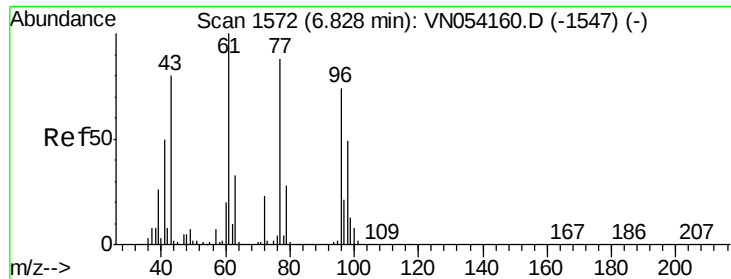
Tot Ion: 43 Resp: 1342032
 Ion Ratio Lower Upper
 43 100
 72 28.5 23.0 34.6



#26
 2,2-Dichloropropane
 Concen: 48.685 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 77 Resp: 1103878
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.362 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

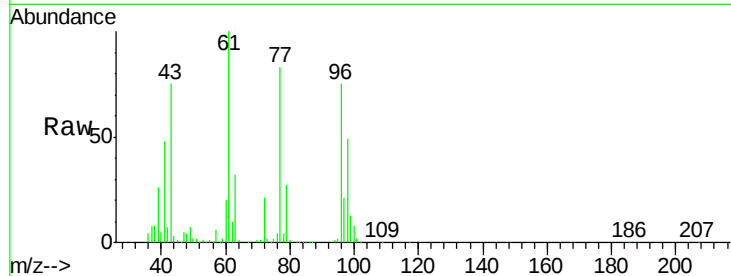
Tot Ion: 96 Resp: 877693

Ion Ratio Lower Upper

96 100

61 135.2 0.0 273.0

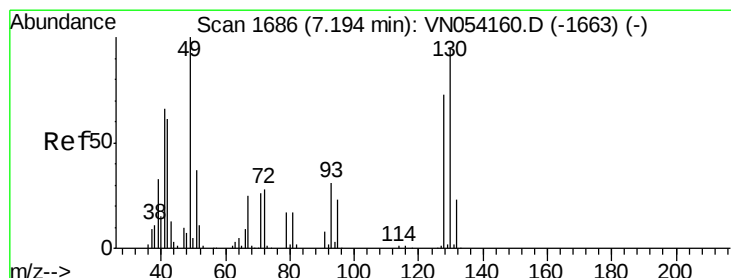
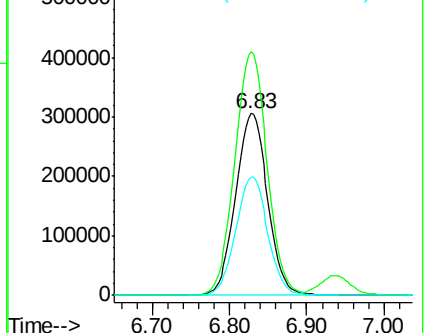
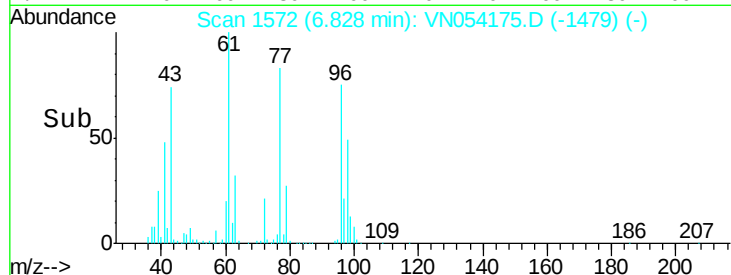
98 65.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN054175.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN054175.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN054175.D (-1479) (-)



#28

Bromochloromethane

Concen: 50.379 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

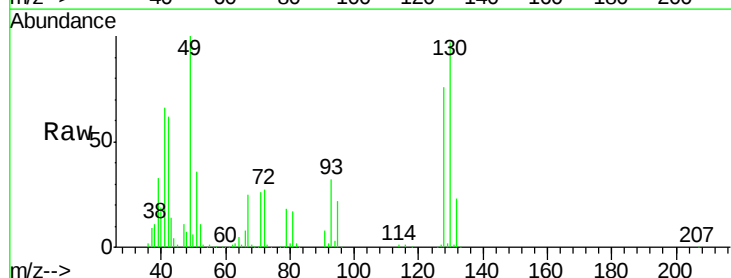
Tgt Ion: 49 Resp: 531027

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

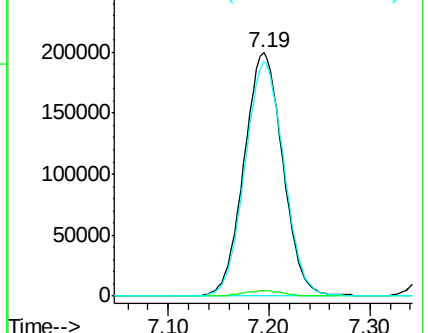
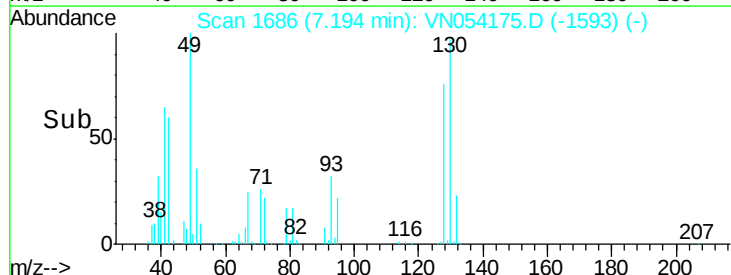
130 97.0 76.7 115.1

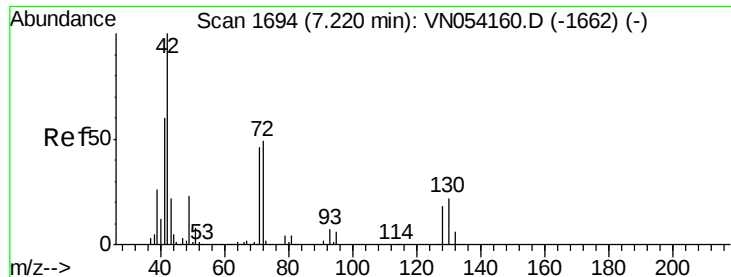


Abundance Ion 48.90 (48.60 to 49.60): VN054175.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN054175.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN054175.D (-1593) (-)

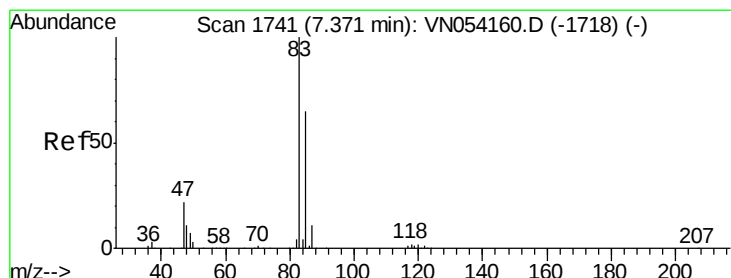
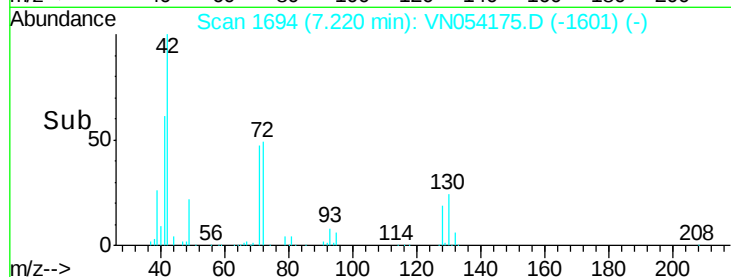
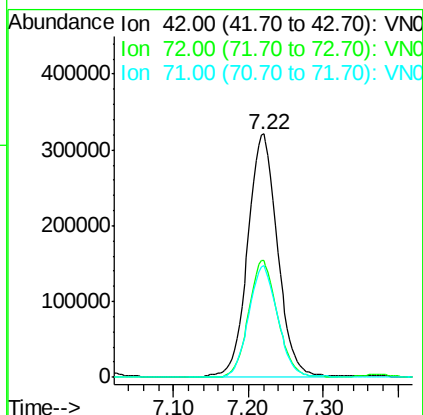
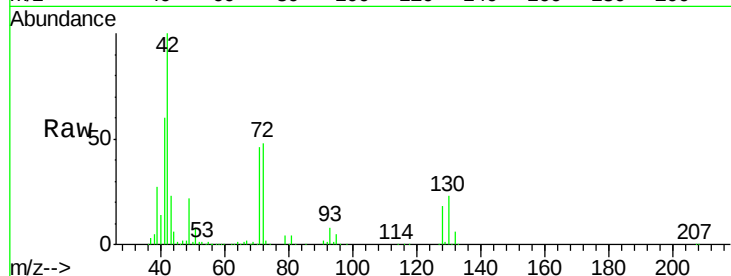




#29
Tetrahydrofuran
Concen: 255.991 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

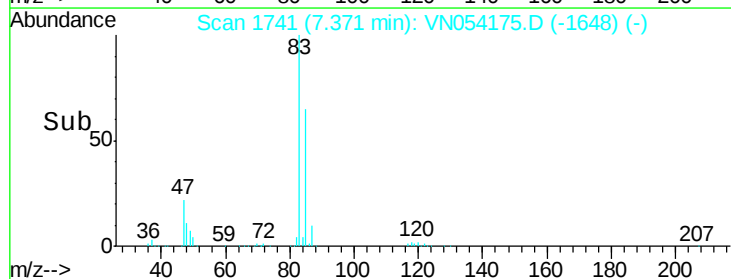
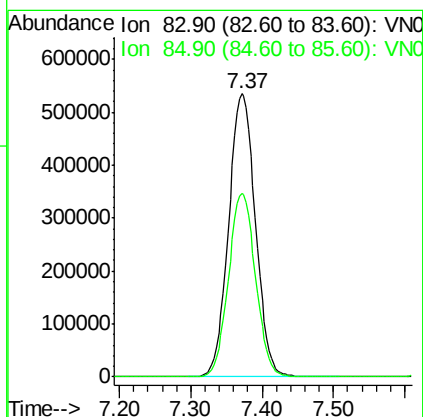
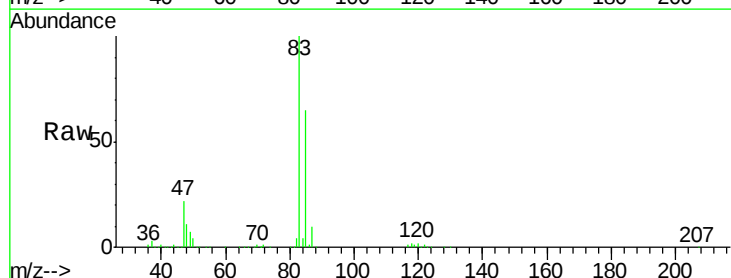
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 886683
Ion Ratio Lower Upper
42 100
72 46.7 37.8 56.6
71 45.2 36.2 54.2



#30
Chloroform
Concen: 52.068 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 83 Resp: 1400875
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4

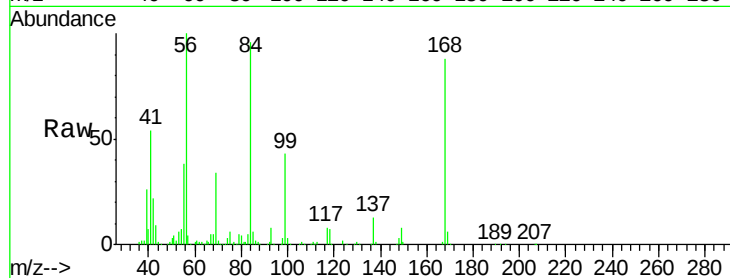




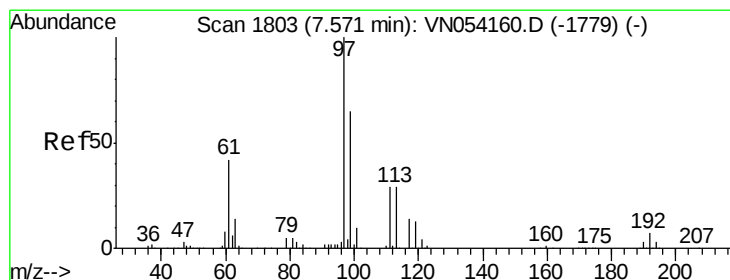
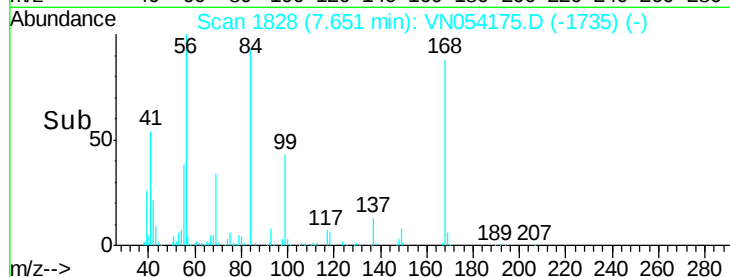
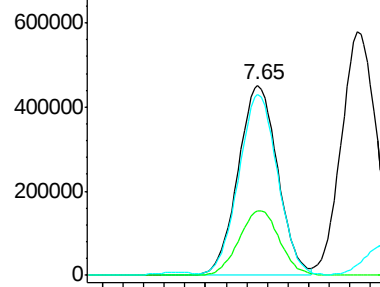
#31
Cyclohexane
Concen: 49.942 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 1203917
Ion Ratio Lower Upper
56 100
69 34.2 27.8 41.6
84 94.4 74.6 111.8

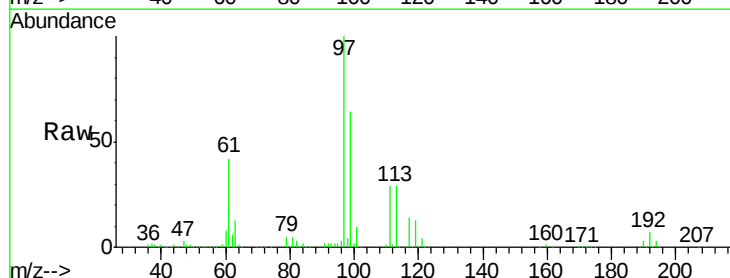


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

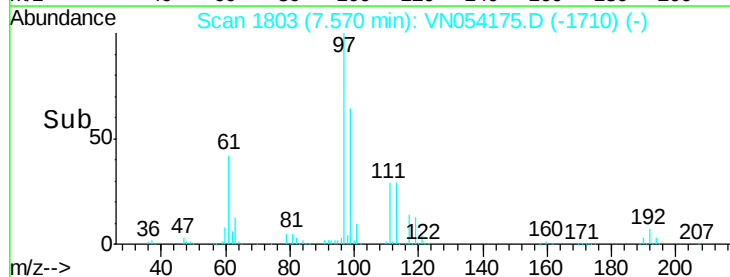
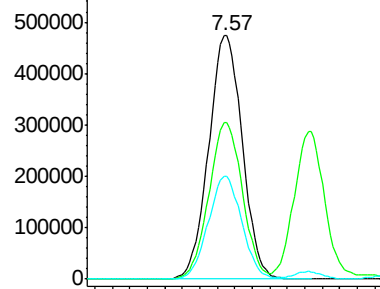


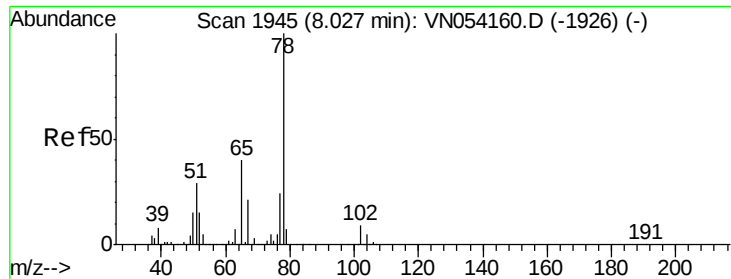
#32
1,1,1-Trichloroethane
Concen: 51.935 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 97 Resp: 1261945
Ion Ratio Lower Upper
97 100
99 64.1 51.5 77.3
61 42.1 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

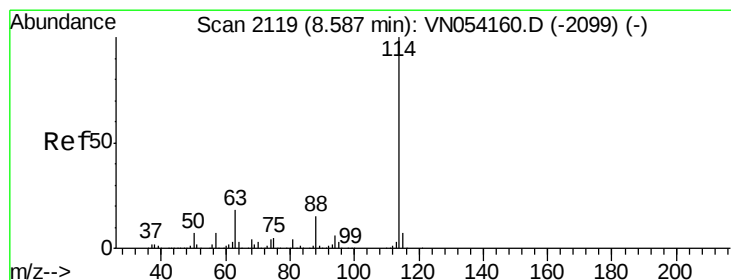
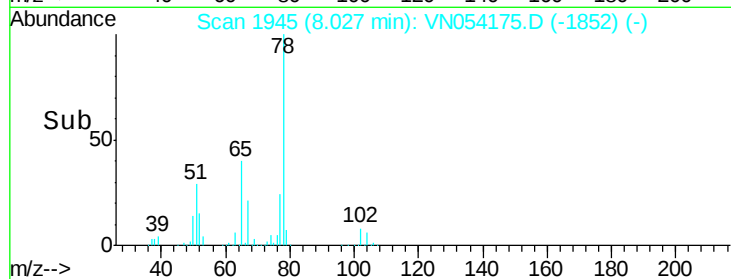
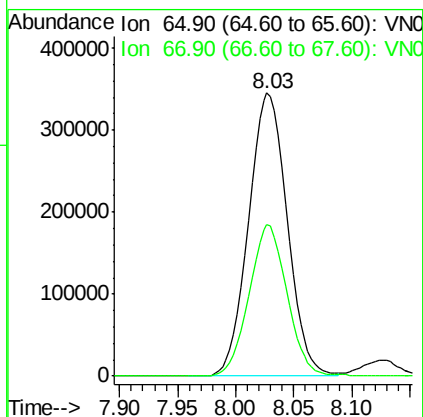
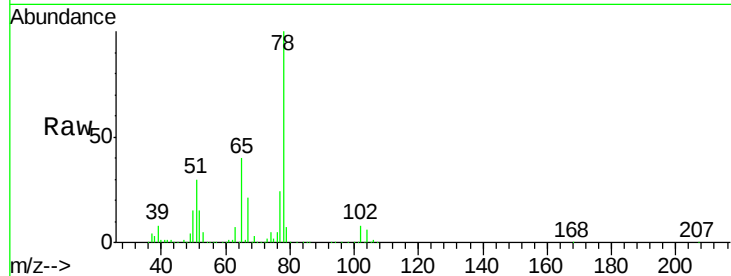




#33
 1,2-Dichloroethane-d4
 Concen: 50.067 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

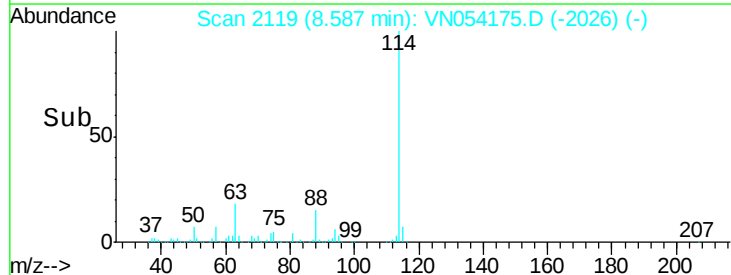
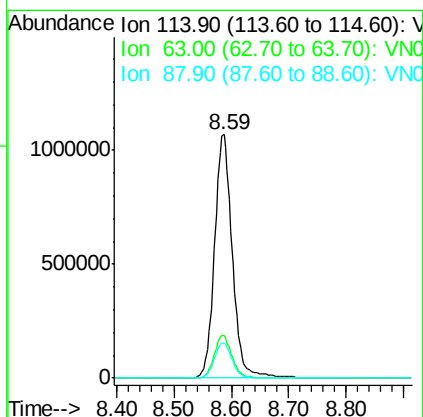
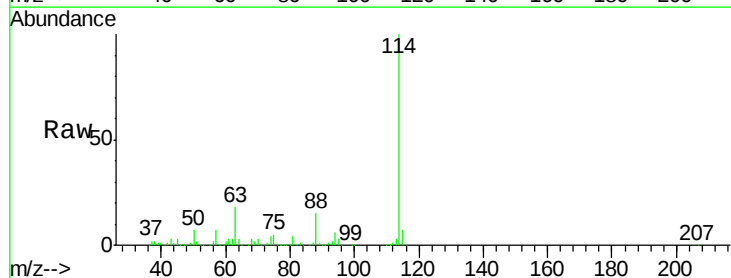
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

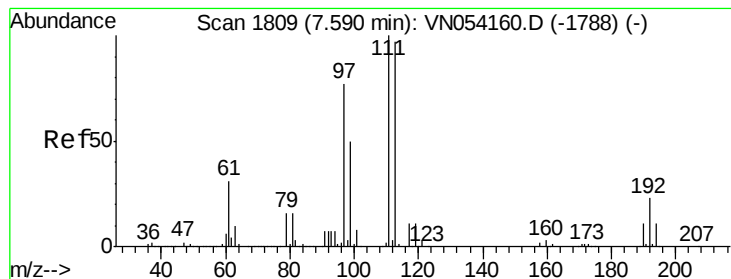
Tot Ion: 65 Resp: 802606
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 114 Resp: 2308285
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.041 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

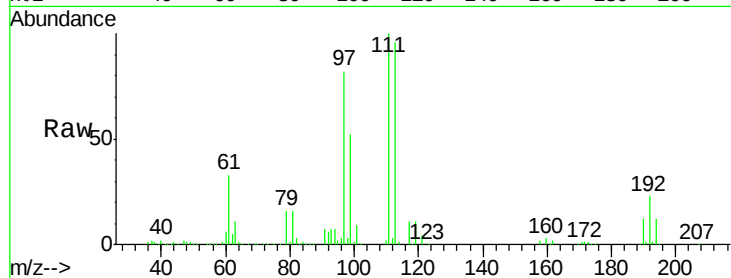
Tot Ion:113 Resp: 730098

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

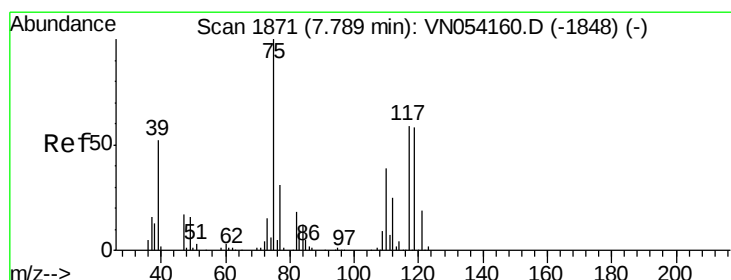
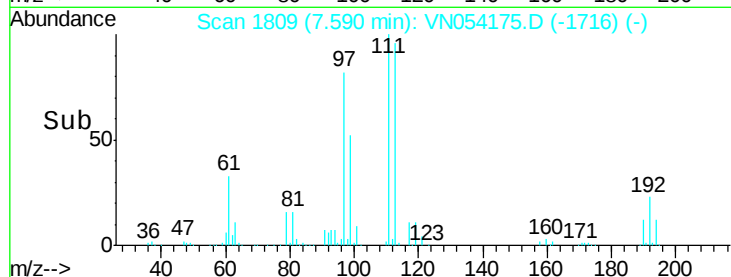
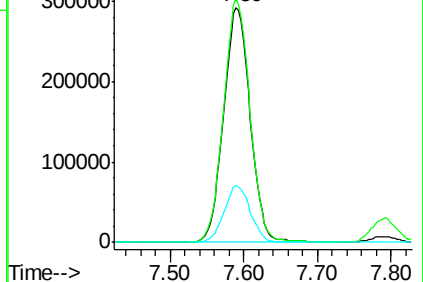
192 23.9 19.2 28.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 50.959 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

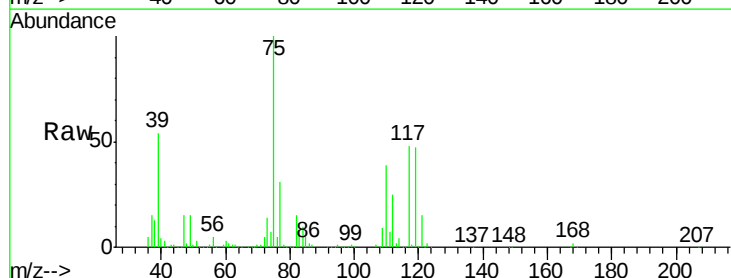
Tgt Ion: 75 Resp: 1083260

Ion Ratio Lower Upper

75 100

110 38.1 19.1 57.5

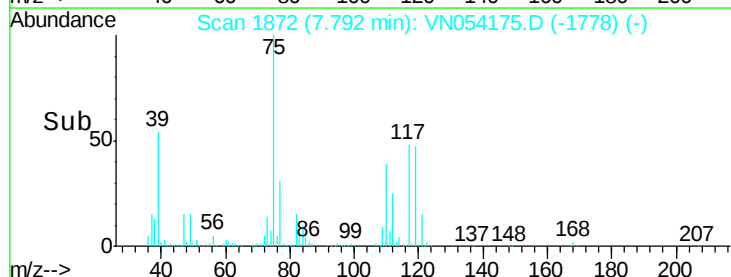
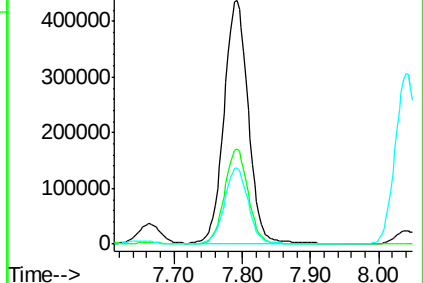
77 30.8 25.0 37.4

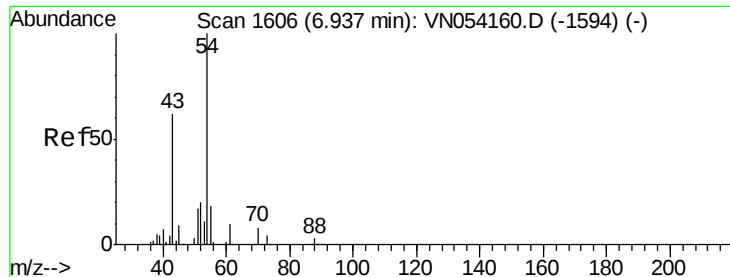


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

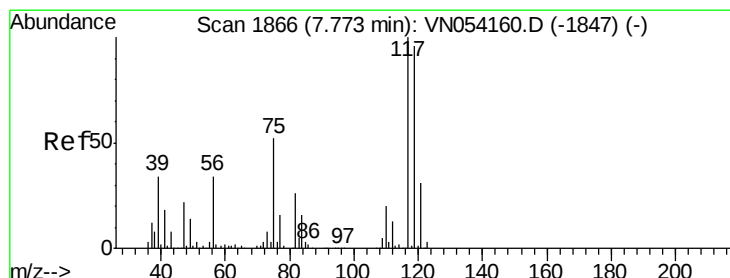
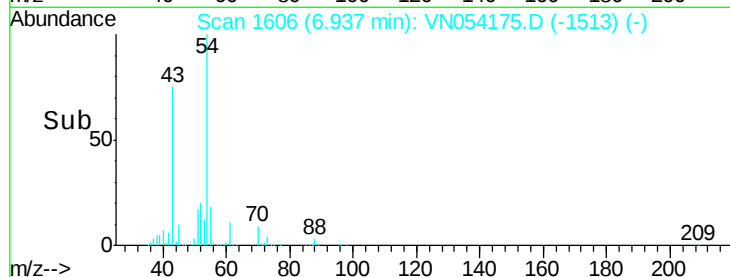
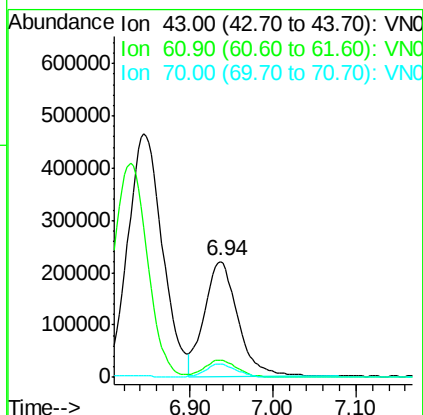
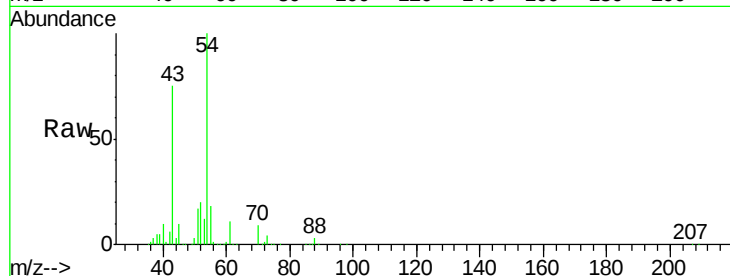




#37
Ethyl Acetate
Concen: 50.948 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

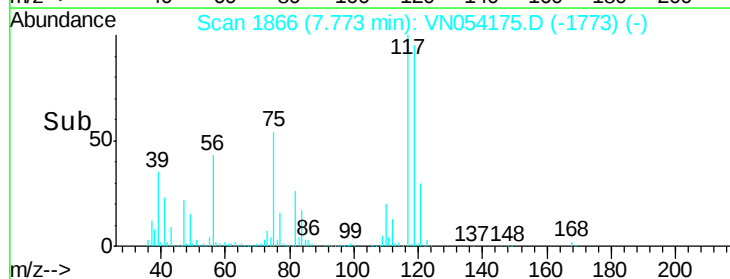
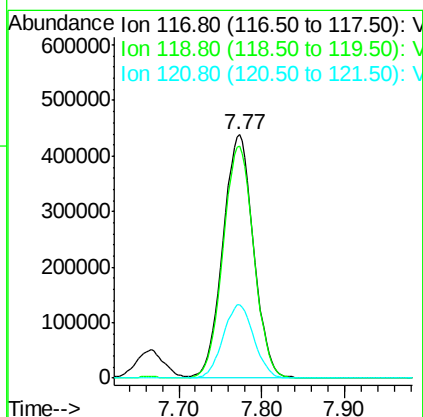
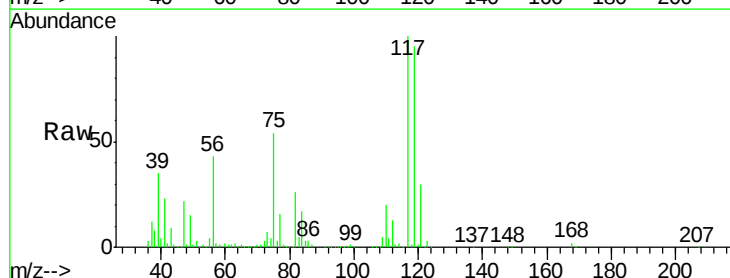
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

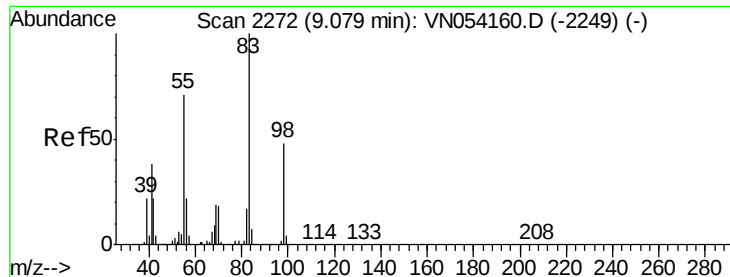
Tot Ion: 43 Resp: 622286
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.325 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 117 Resp: 1121851
Ion Ratio Lower Upper
117 100
119 95.1 76.3 114.5
121 30.4 24.6 36.8

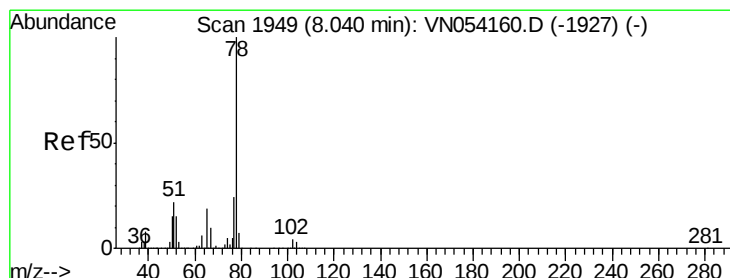
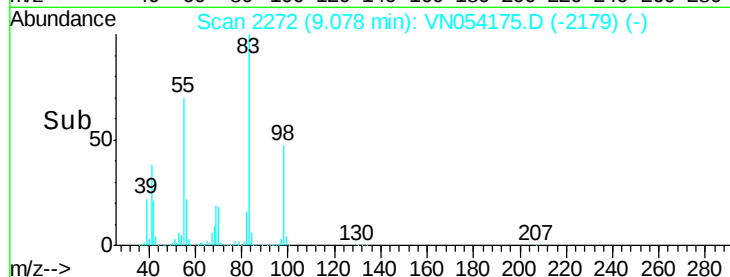
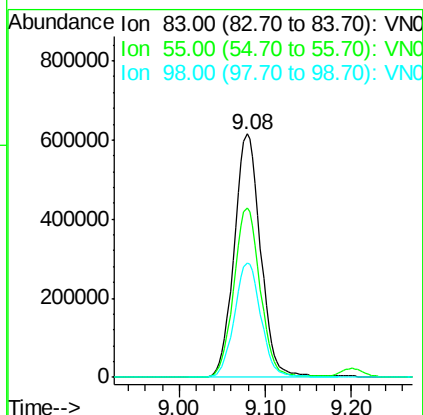
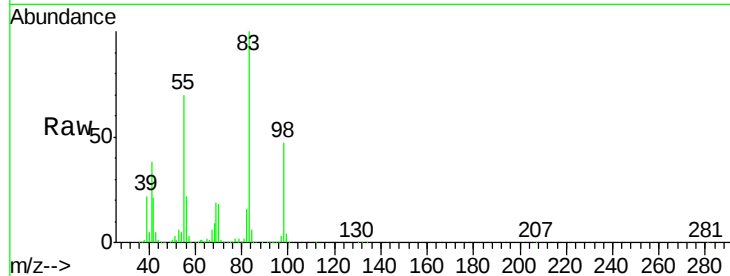




#39
Methvlcvclohexane
Concen: 50.287 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

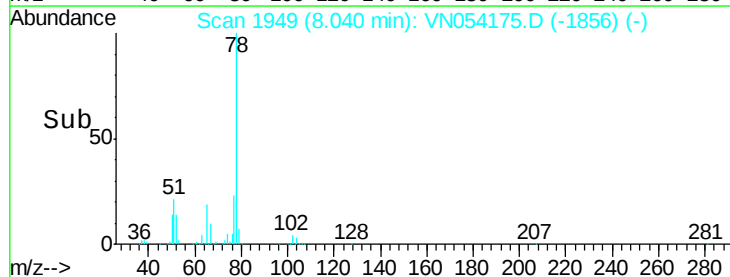
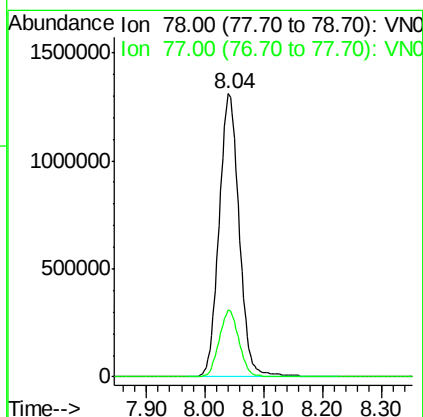
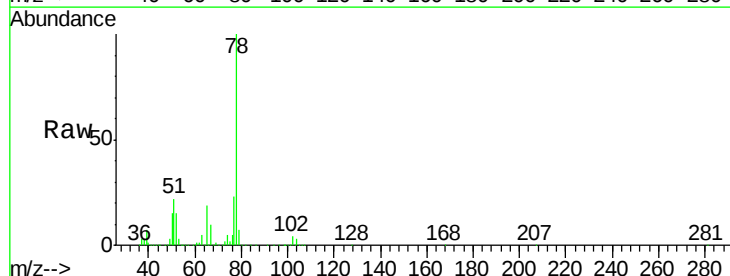
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 1315243
Ion Ratio Lower Upper
83 100
55 69.7 56.6 84.8
98 46.8 38.4 57.6



#40
Benzene
Concen: 50.912 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 78 Resp: 3096973
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7

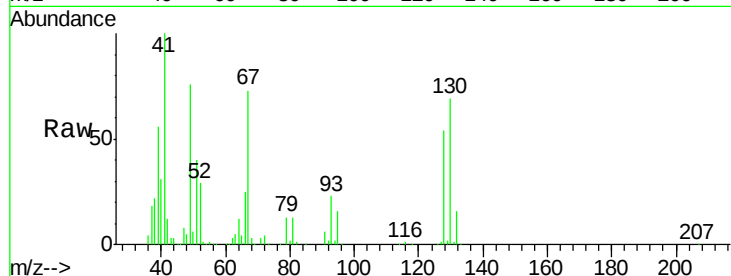




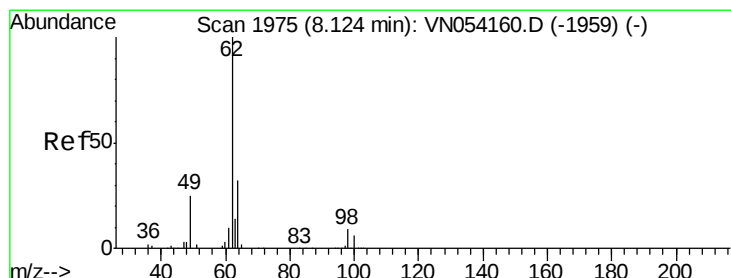
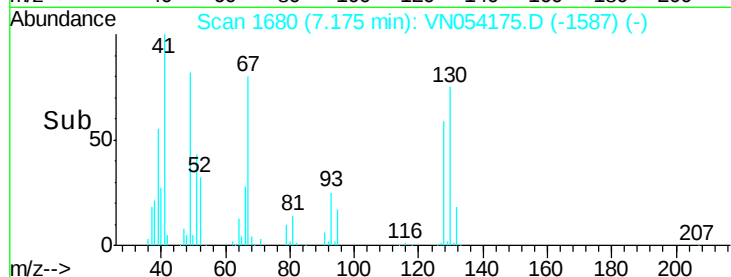
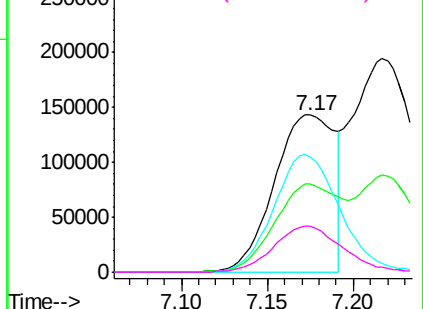
#41
Methacrylonitrile
Concen: 49.946 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 348324
Ion Ratio Lower Upper
41 100
39 62.4 46.8 70.2
67 82.9 67.0 100.4
52 33.1 26.5 39.7

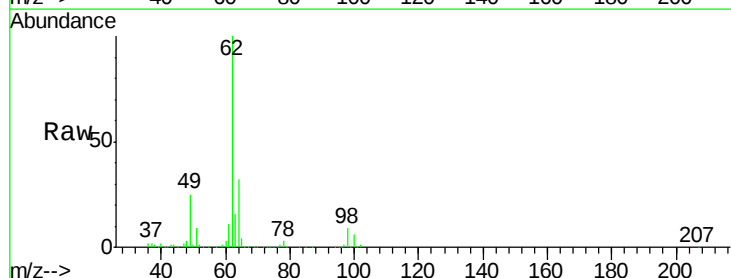


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

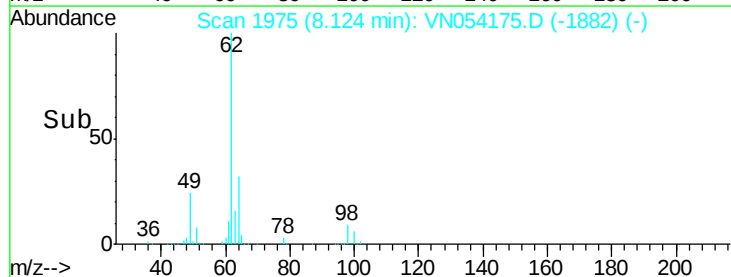
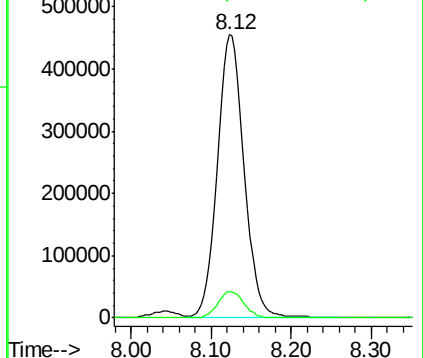


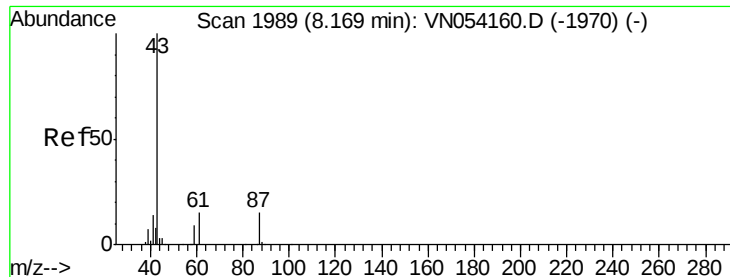
#42
1,2-Dichloroethane
Concen: 50.979 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 62 Resp: 1046965
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 51.013 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

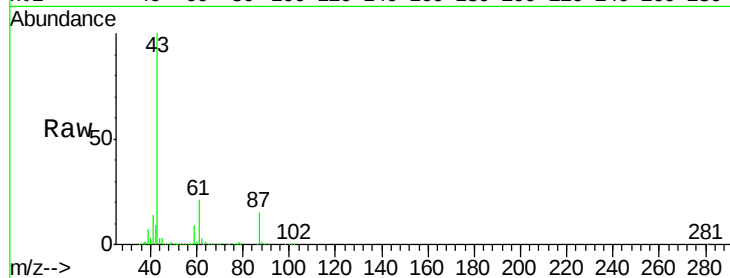
Tot Ion: 43 Resp: 1093686

Ion Ratio Lower Upper

43 100

61 20.9 15.8 23.8

87 15.2 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054160.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN054160.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN054160.D (-1970) (-)

8.17

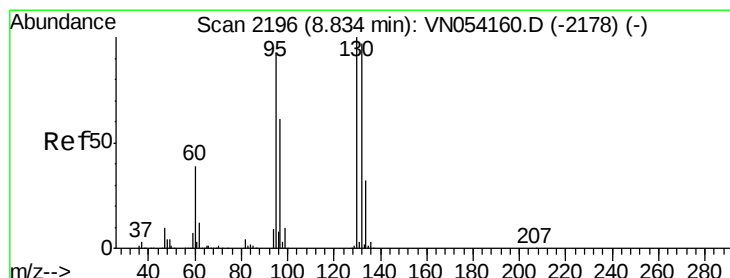
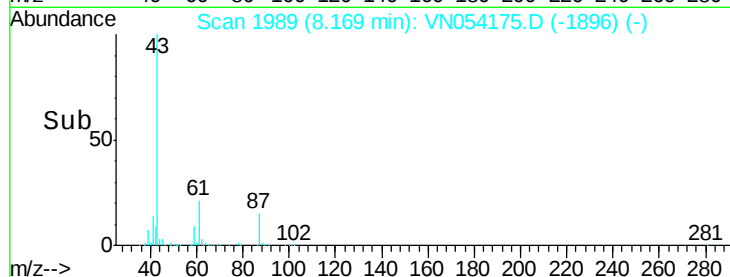
600000

400000

200000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 50.361 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054175.D

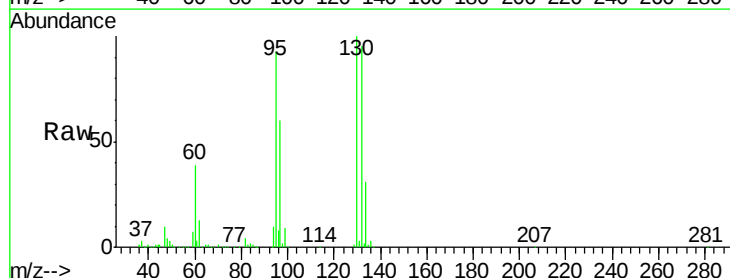
Acq: 12 Mar 2019 20:27

Tgt Ion:130 Resp: 951651

Ion Ratio Lower Upper

130 100

95 93.2 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054160.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN054160.D (-2178) (-)

8.83

500000

400000

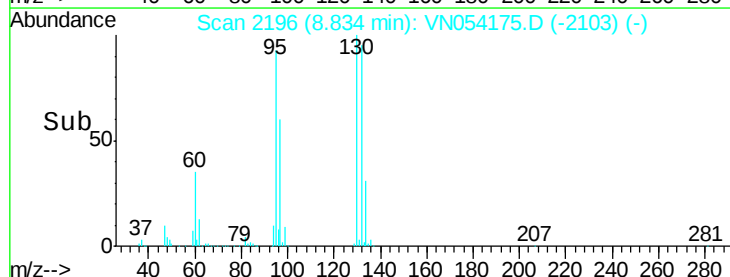
300000

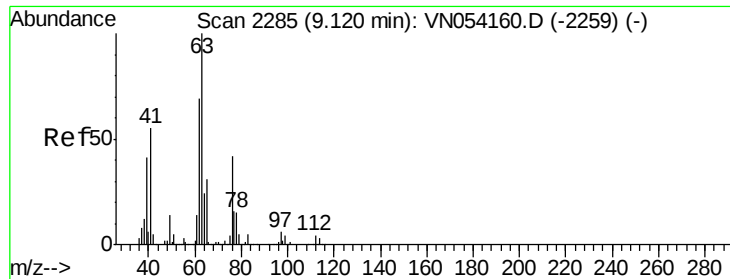
200000

100000

0

Time--> 8.80 8.90

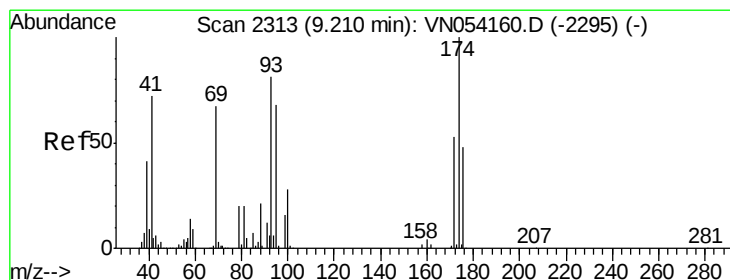
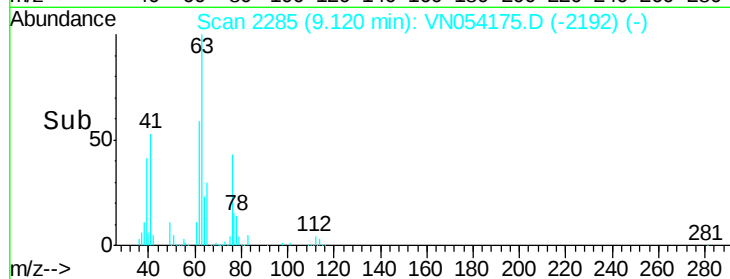
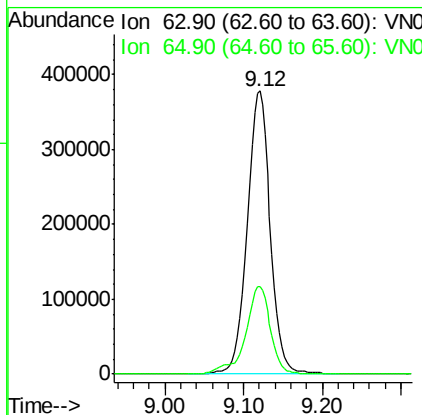
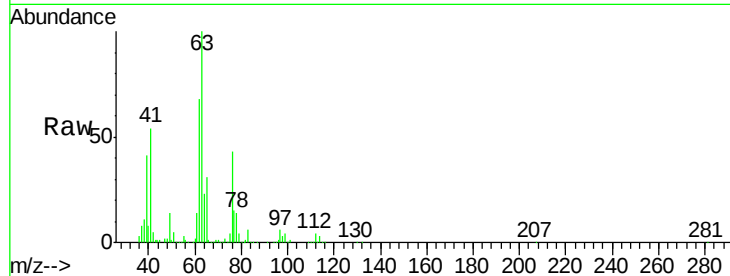




#45
 1,2-Dichloropropane
 Concen: 51.707 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

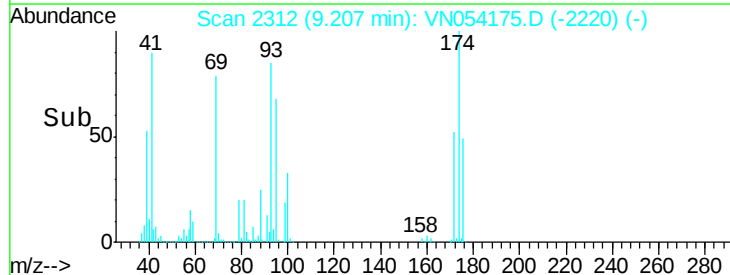
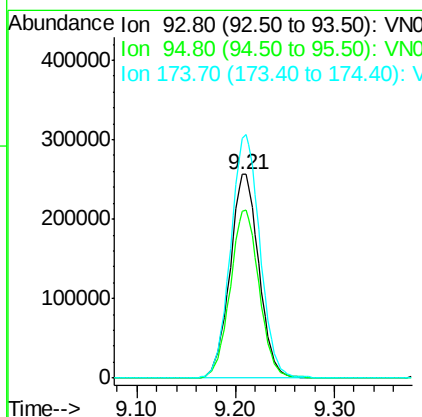
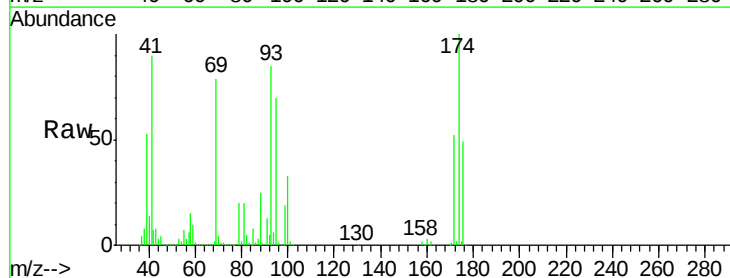
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

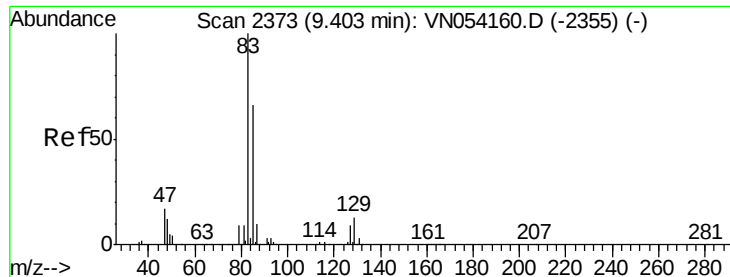
Tot Ion: 63 Resp: 781013
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6



#46
 Dibromomethane
 Concen: 51.224 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 93 Resp: 522772
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.7 100.1
 174 120.9 98.5 147.7





#47

Bromodichloromethane

Concen: 51.771 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

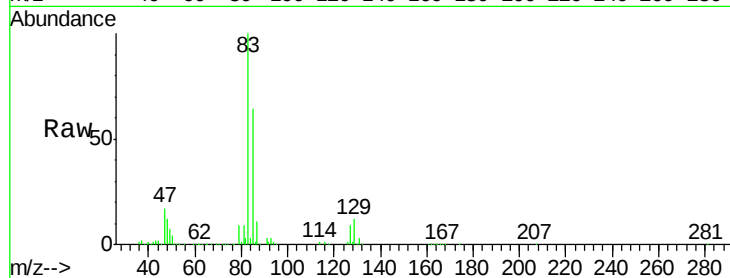
Tot Ion: 83 Resp: 1059200

Ion Ratio Lower Upper

83 100

85 64.4 52.8 79.2

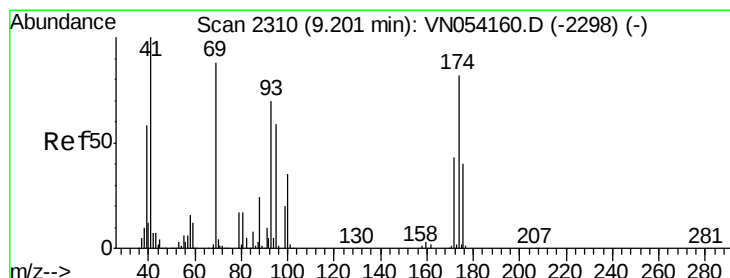
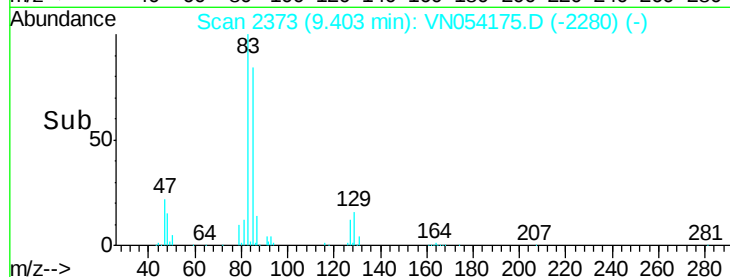
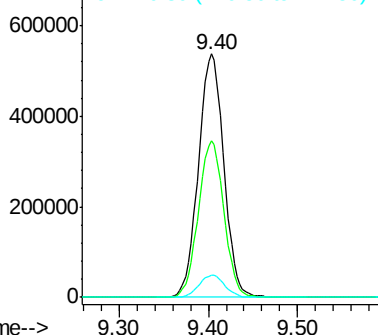
127 9.2 7.4 11.2



Abundance Ion 82.90 (82.60 to 83.60): VN054175.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN054175.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN054175.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.687 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

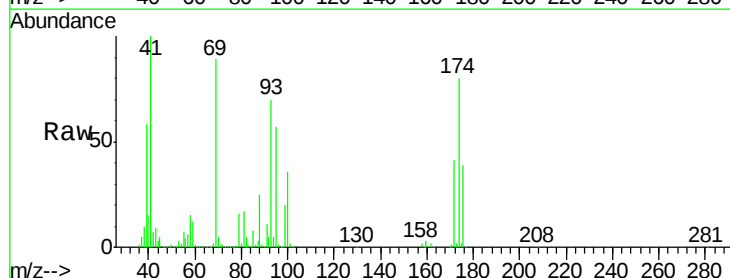
Tgt Ion: 41 Resp: 573239

Ion Ratio Lower Upper

41 100

69 91.1 72.6 108.8

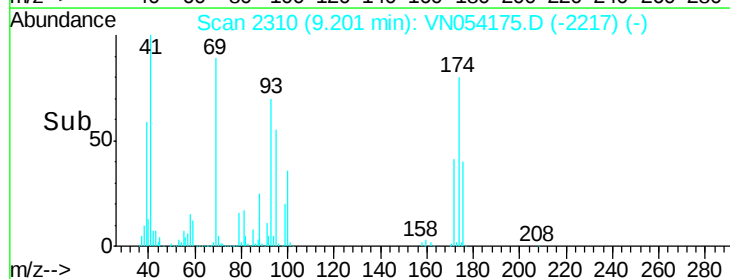
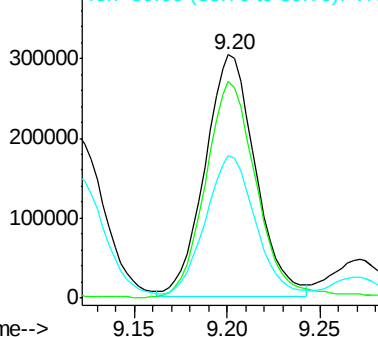
39 59.1 47.5 71.3

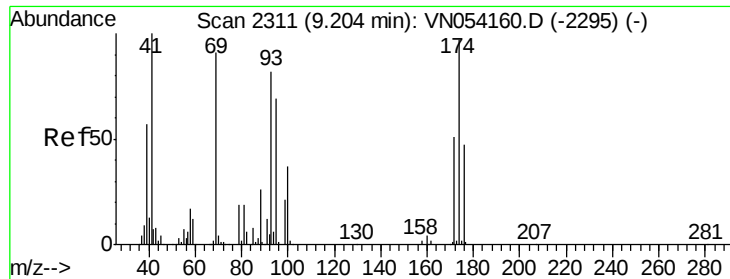


Abundance Ion 41.00 (40.70 to 41.70): VN054175.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN054175.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN054175.D (-2217) (-)

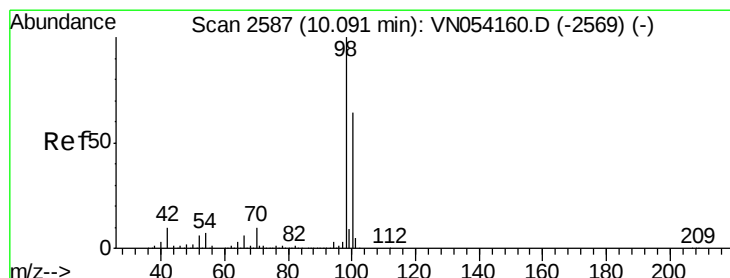
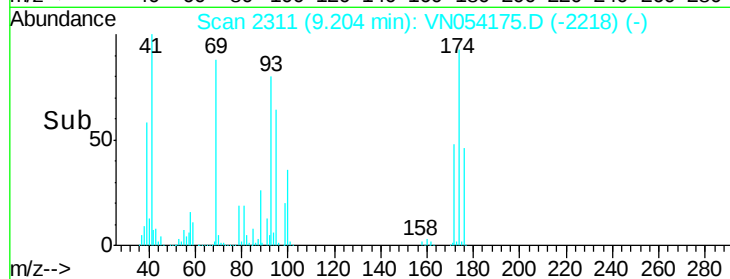
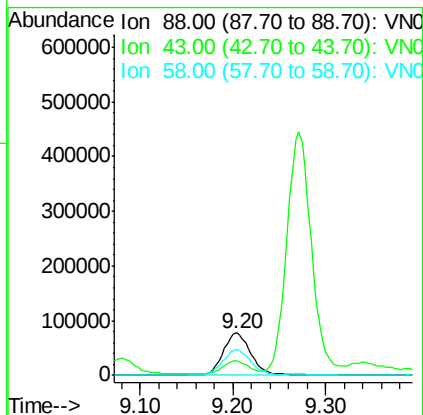
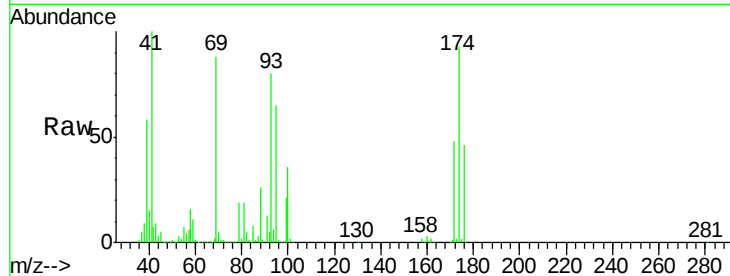




#49
1,4-Dioxane
Concen: 1043.922 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

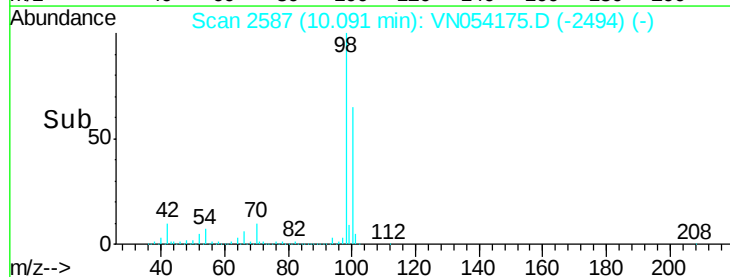
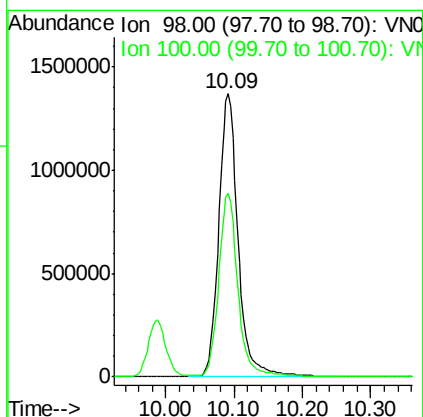
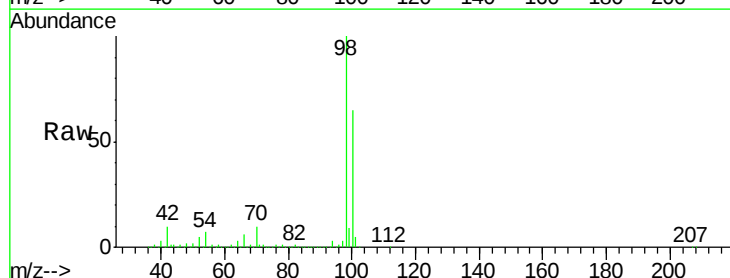
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 160657
Ion Ratio Lower Upper
88 100
43 28.7 24.1 36.1
58 61.1 50.8 76.2



#50
Toluene-d8
Concen: 48.853 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 98 Resp: 2686014
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 261.409 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

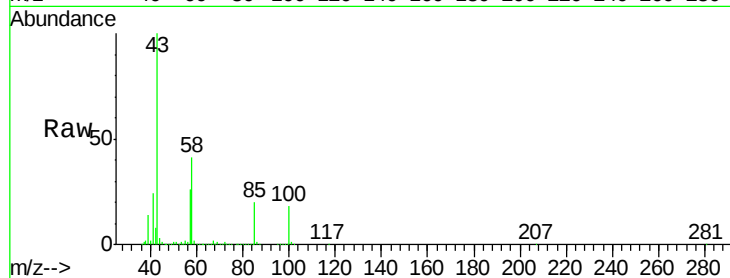
VSTDCCC050EC

Tot Ion: 43 Resp: 2965897

Ion Ratio Lower Upper

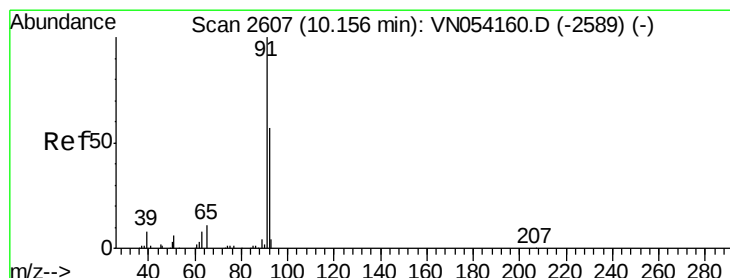
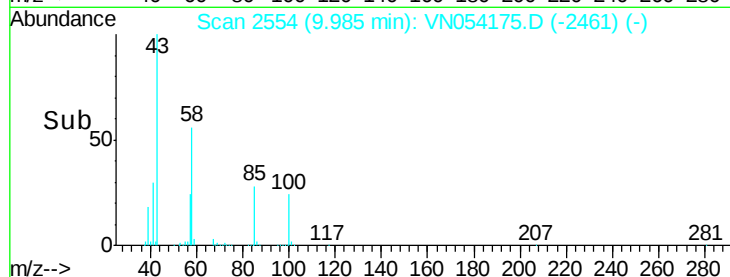
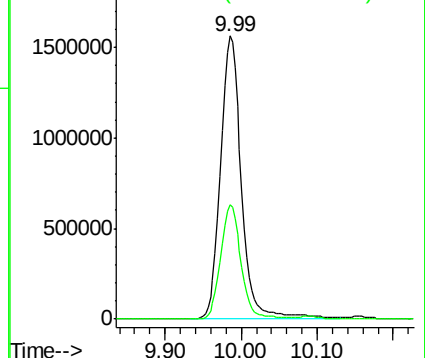
43 100

58 39.9 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054175.D

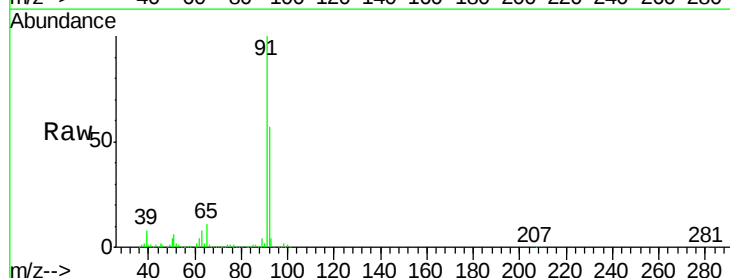
Acq: 12 Mar 2019 20:27

Tgt Ion: 92 Resp: 1975024

Ion Ratio Lower Upper

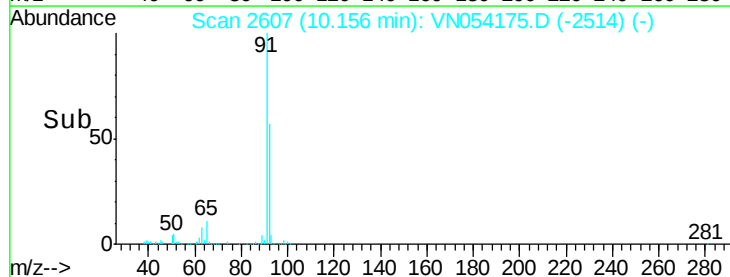
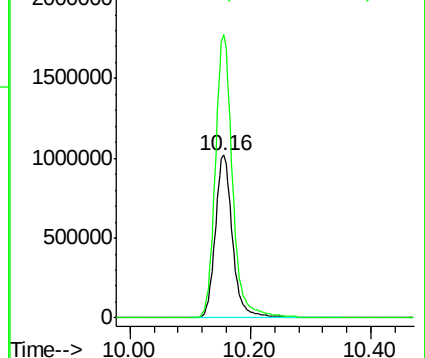
92 100

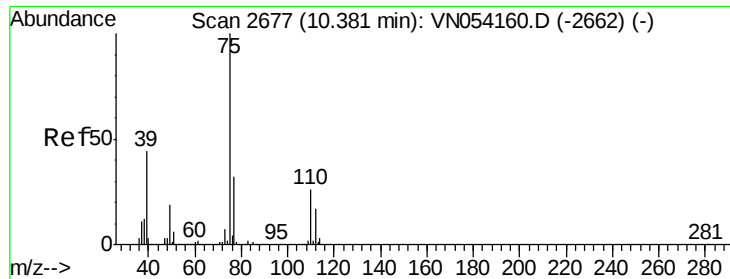
91 174.2 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.088 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

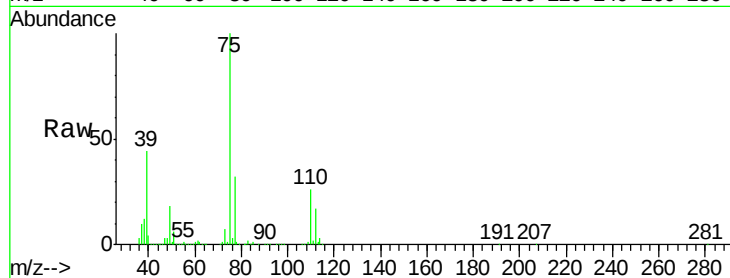
VSTDCCC050EC

Tot Ion: 75 Resp: 1099069

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

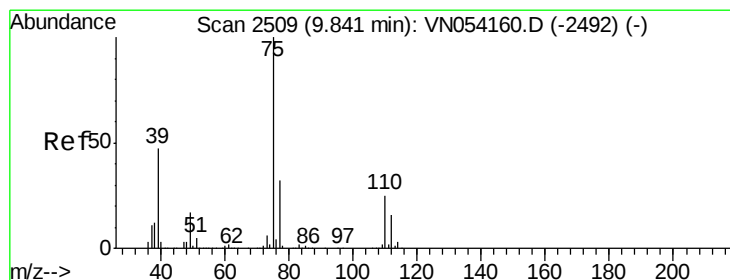
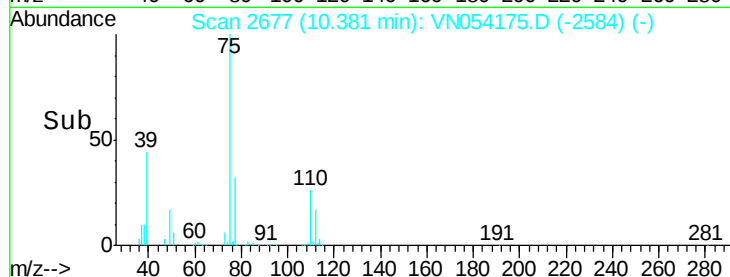
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.274 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

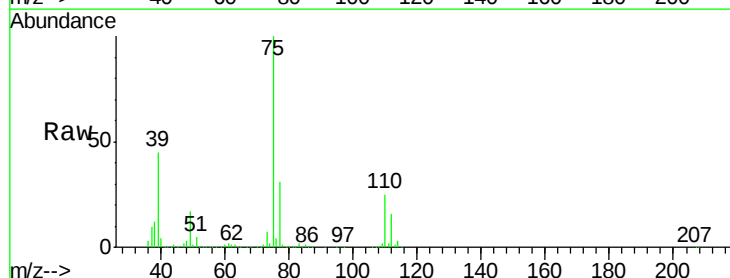
Tgt Ion: 75 Resp: 1246304

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 44.8 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

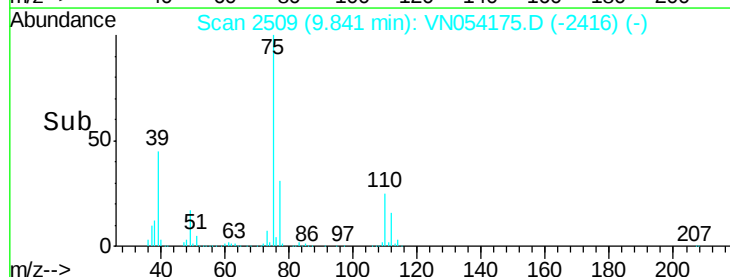
600000

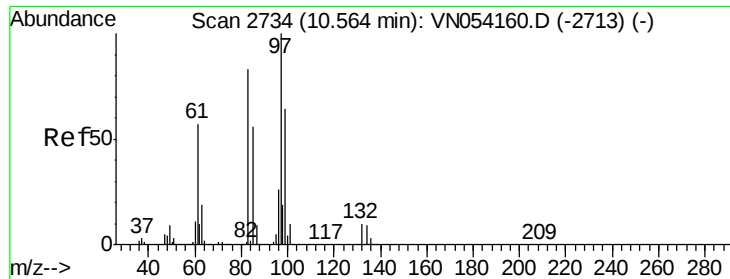
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.690 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 713890

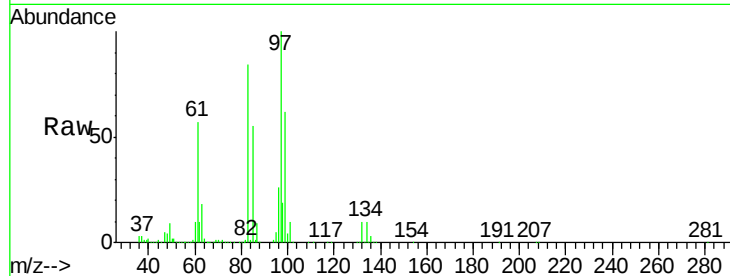
Ion	Ratio	Lower	Upper
97	100		
83	83.9	66.6	100.0
85	55.2	44.4	66.6
99	62.3	50.8	76.2

97 100

83 83.9 66.6 100.0

85 55.2 44.4 66.6

99 62.3 50.8 76.2

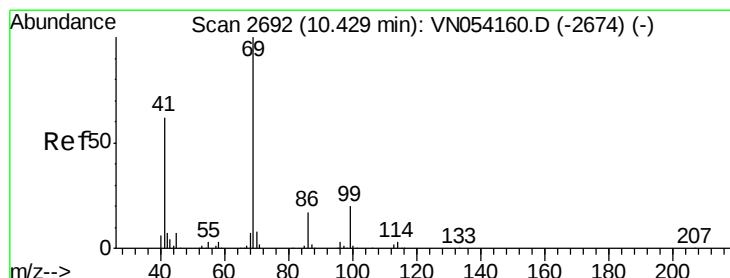
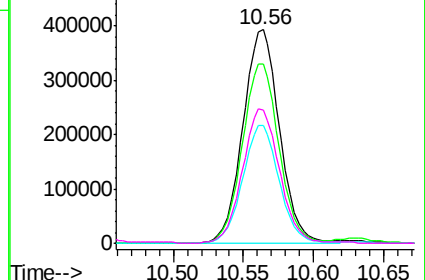
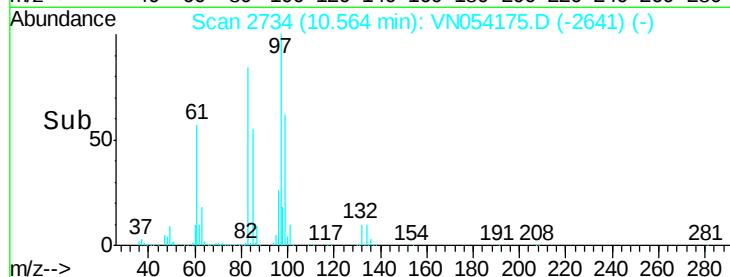


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.712 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

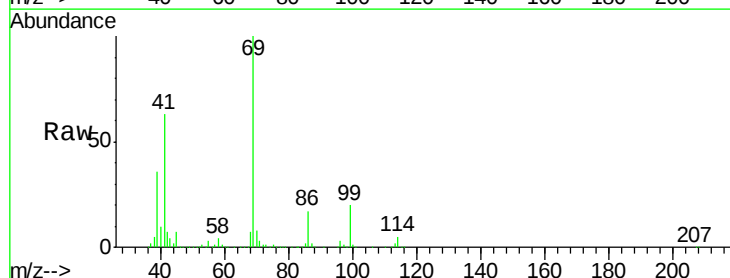
Tgt Ion: 69 Resp: 885176

Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.2
39	34.6	28.3	42.5

69 100

41 61.6 49.4 74.2

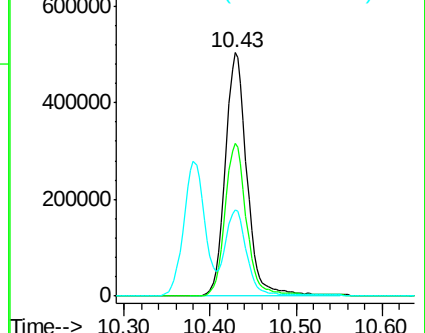
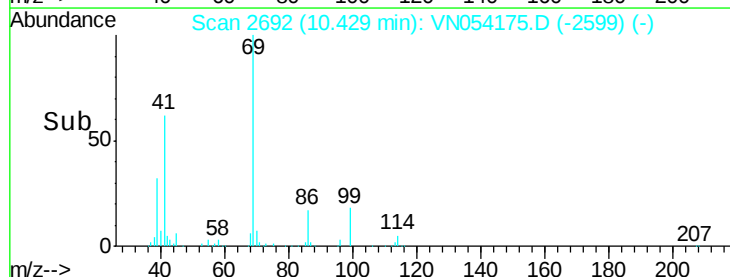
39 34.6 28.3 42.5

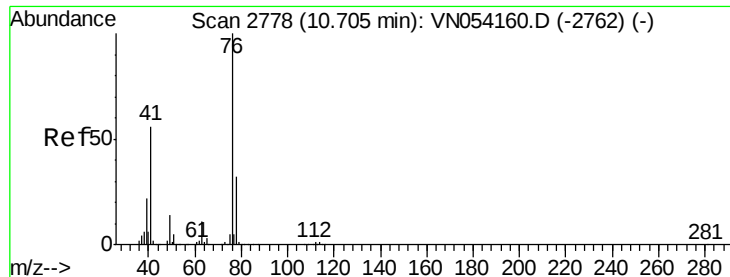


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.338 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

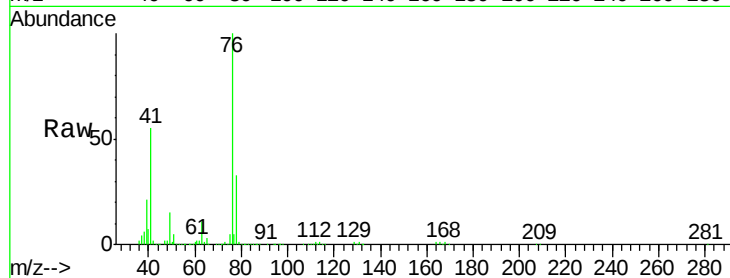
VSTDCCC050EC

Tot Ion: 76 Resp: 1182221

Ion Ratio Lower Upper

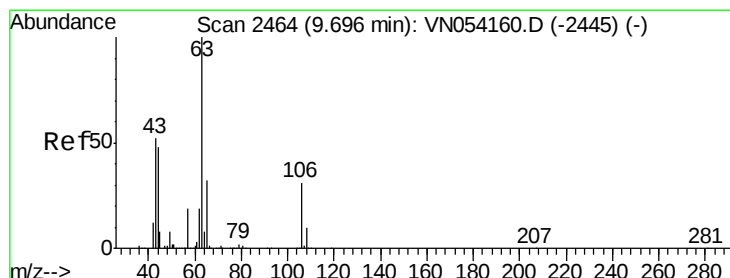
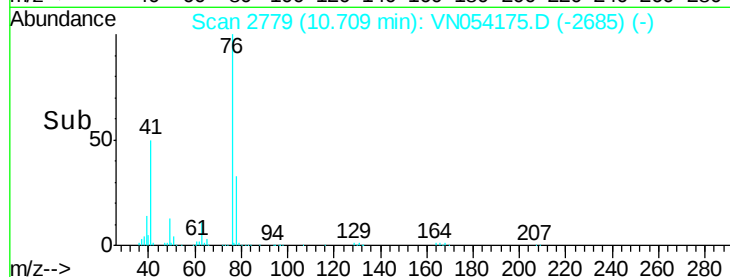
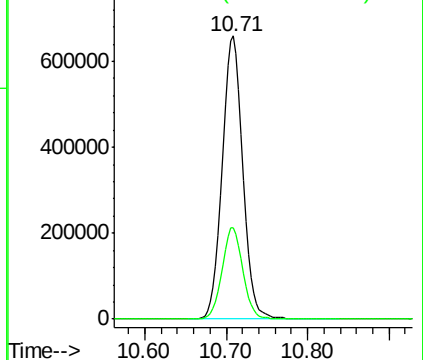
76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 232.368 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054175.D

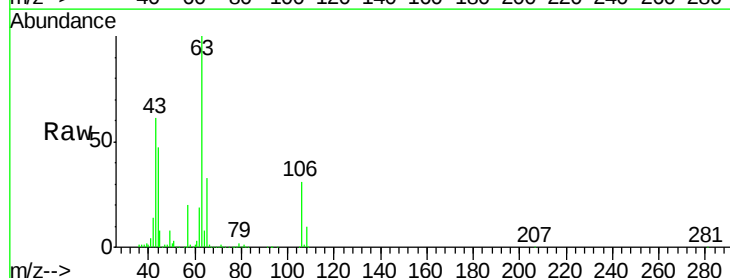
Acq: 12 Mar 2019 20:27

Tgt Ion: 63 Resp: 1683625

Ion Ratio Lower Upper

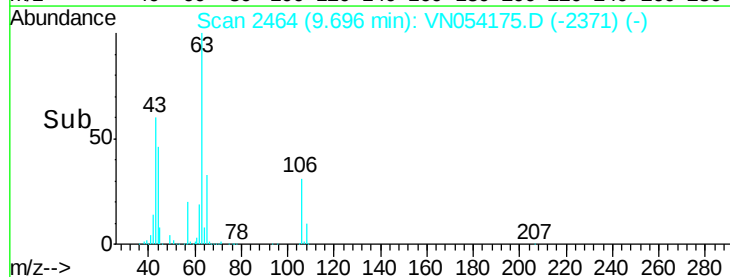
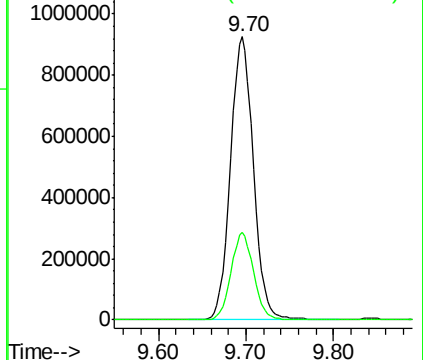
63 100

106 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

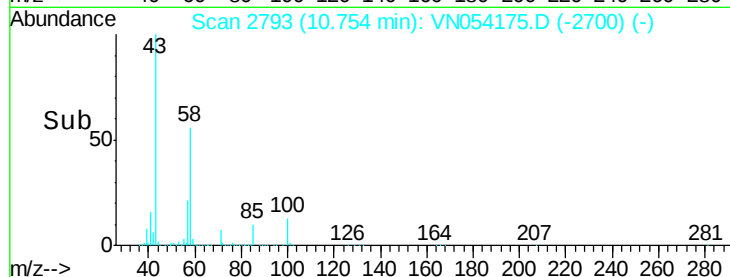
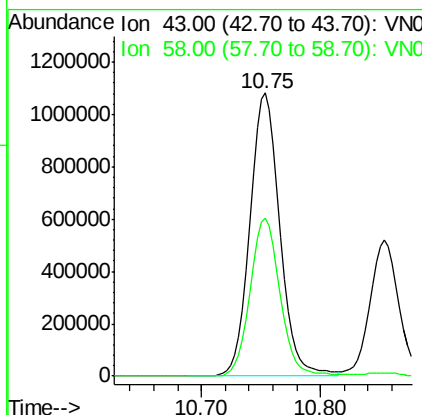
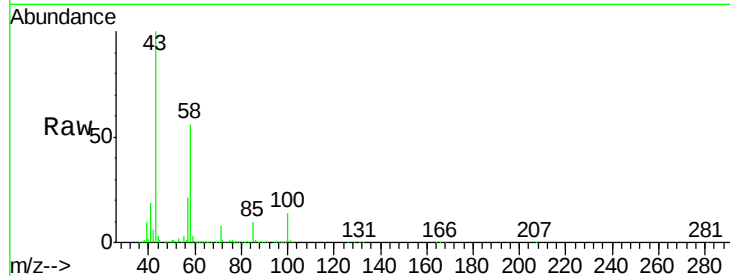




#59
2-Hexanone
Concen: 248.293 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

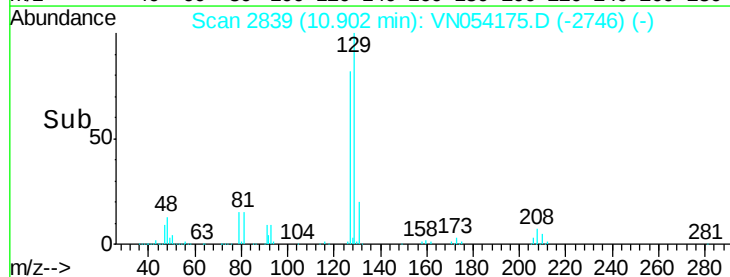
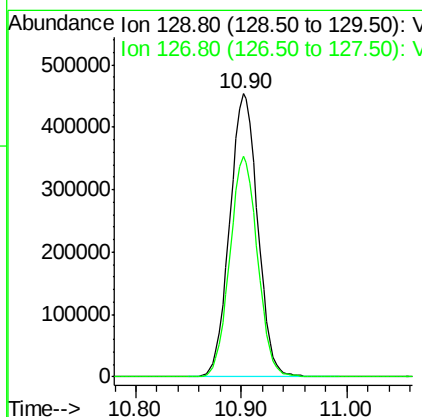
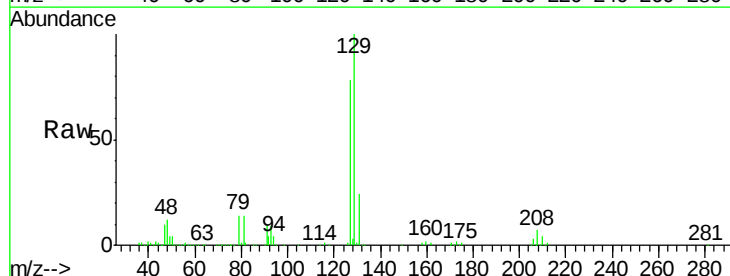
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1874482
Ion Ratio Lower Upper
43 100
58 56.4 28.0 83.9



#60
Dibromochloromethane
Concen: 52.494 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 129 Resp: 832126
Ion Ratio Lower Upper
129 100
127 77.1 38.6 115.8

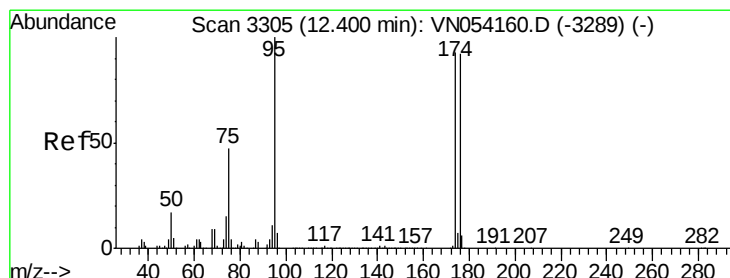
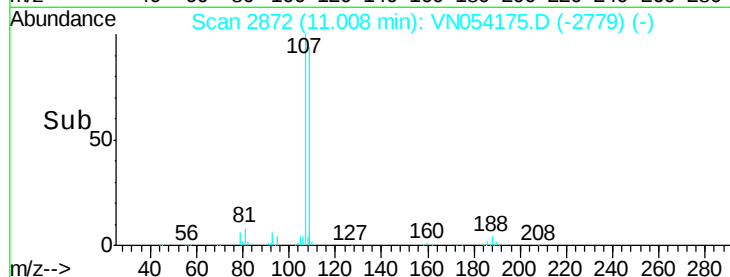
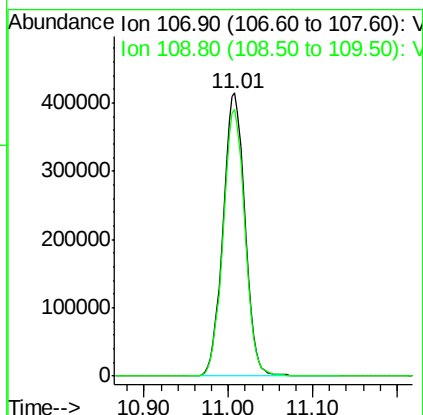
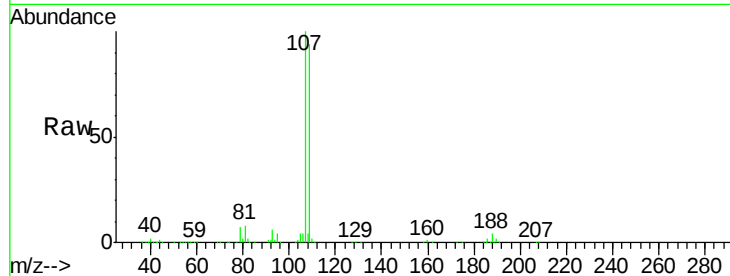




#61
 1,2-Dibromoethane
 Concen: 52.122 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

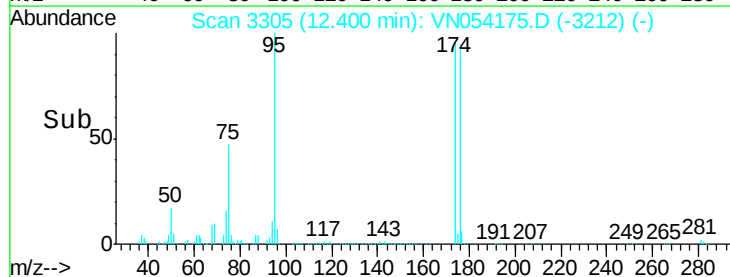
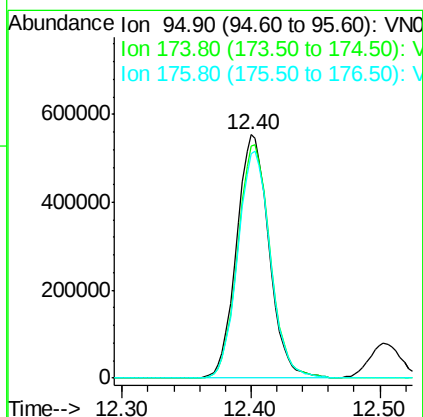
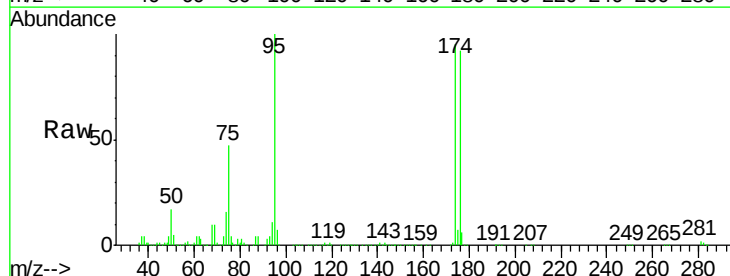
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 745968
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.387 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 95 Resp: 969360
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 191.0
 176 93.6 0.0 187.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

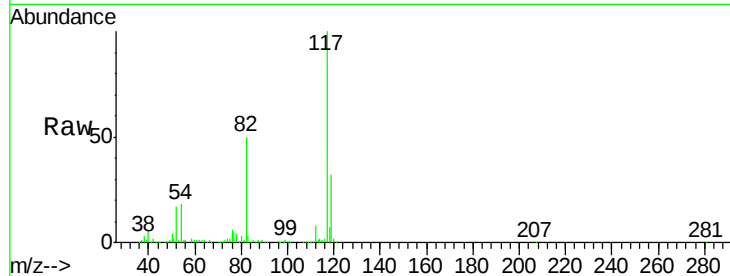
Tot Ion:117 Resp: 2051827

Ion Ratio Lower Upper

117 100

82 50.3 40.0 60.0

119 32.3 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

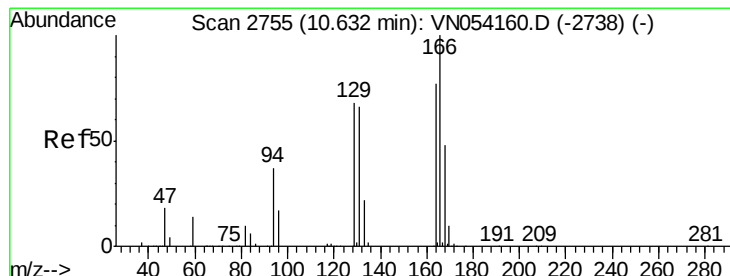
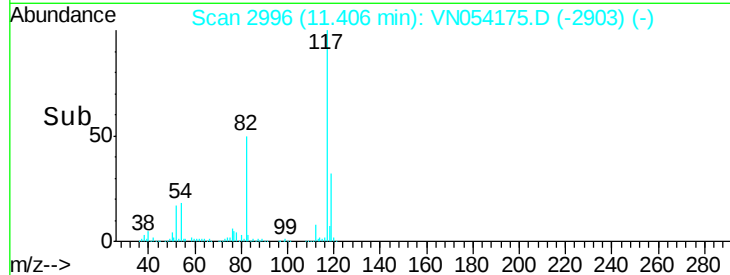
11.41

1000000

500000

0

Time--> 11.30 11.40 11.50



#64

Tetrachloroethene

Concen: 48.918 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion:164 Resp: 970442

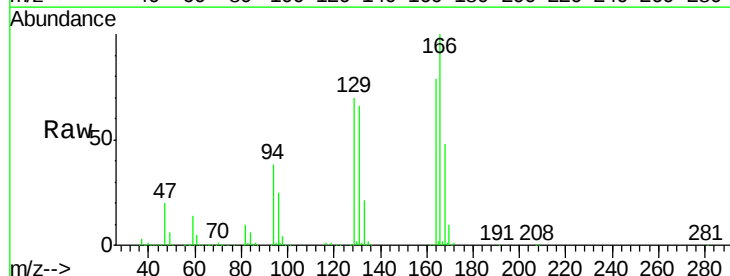
Ion Ratio Lower Upper

164 100

166 126.4 103.9 155.9

129 88.4 71.1 106.7

131 83.9 68.2 102.4



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

10.63

1000000

800000

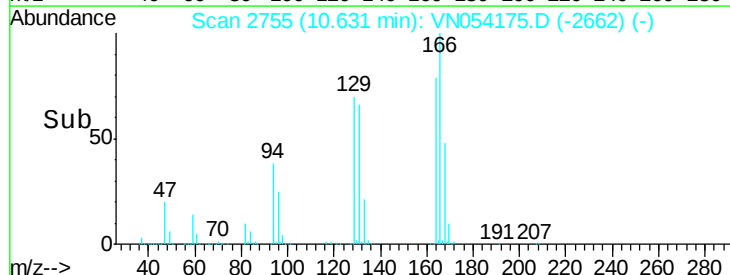
600000

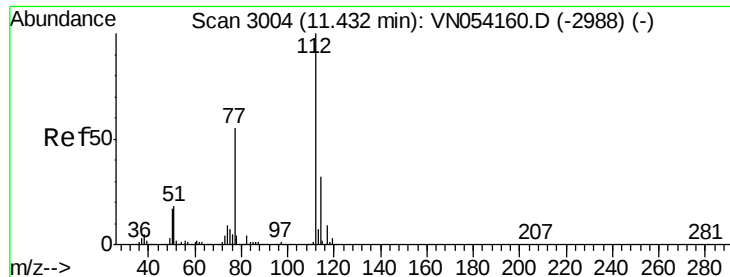
400000

200000

0

Time--> 10.50 10.60 10.70 10.80





#65

Chlorobenzene

Concen: 50.634 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

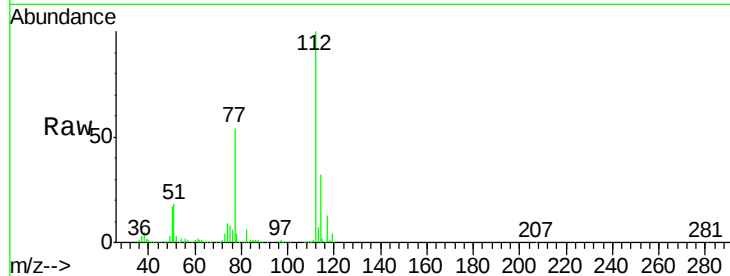
VSTDCCC050EC

Tot Ion:112 Resp: 2281189

Ion Ratio Lower Upper

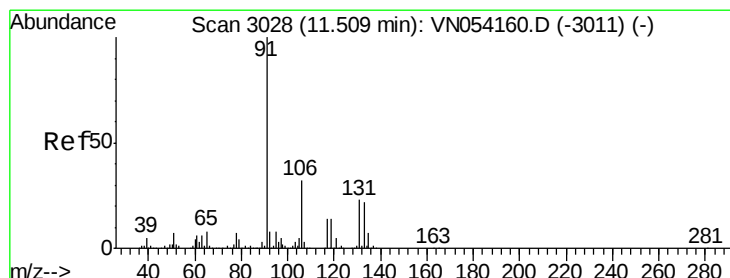
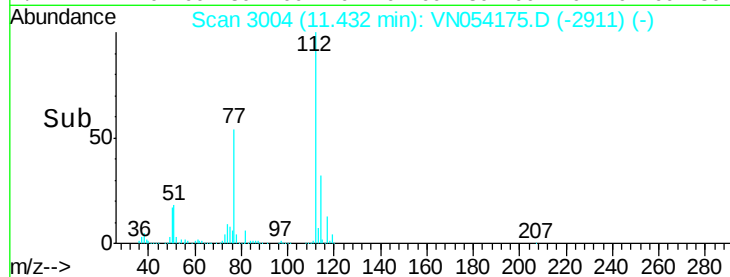
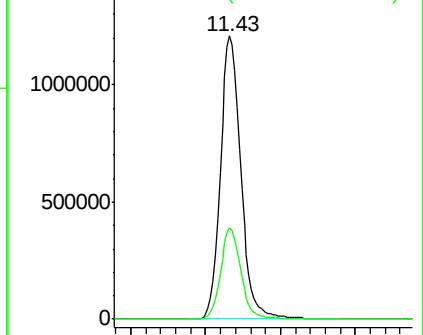
112 100

114 32.1 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.256 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

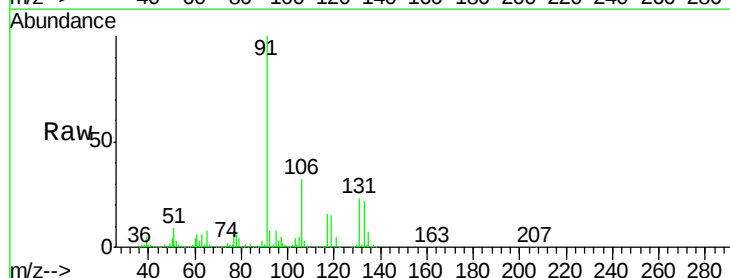
Tgt Ion:131 Resp: 838869

Ion Ratio Lower Upper

131 100

133 97.0 47.6 142.9

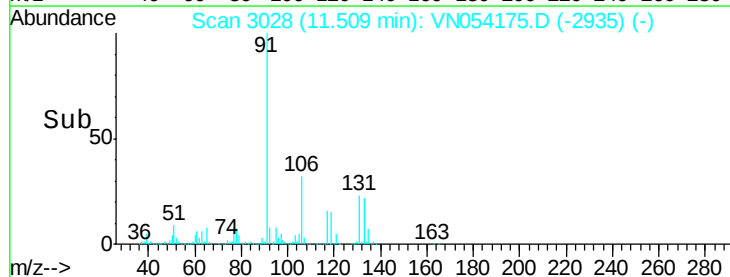
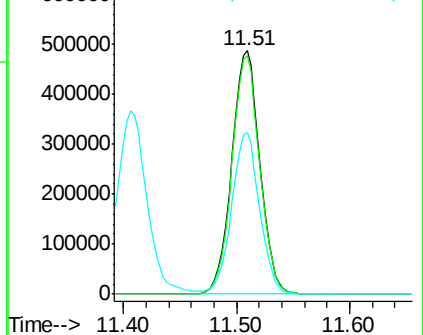
119 66.0 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.177 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

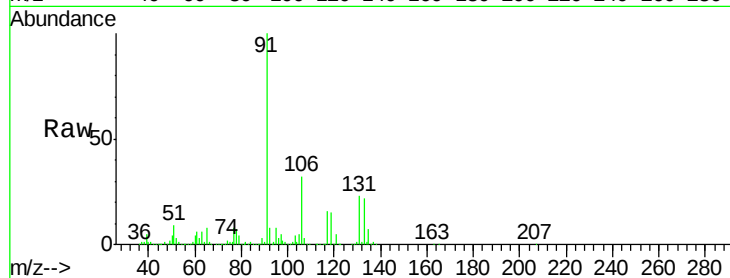
VSTDCCC050EC

Tot Ion: 91 Resp: 3747340

Ion Ratio Lower Upper

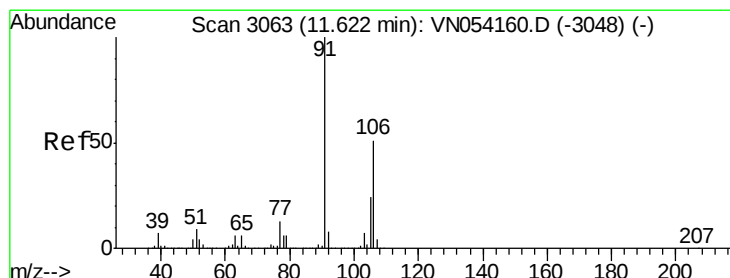
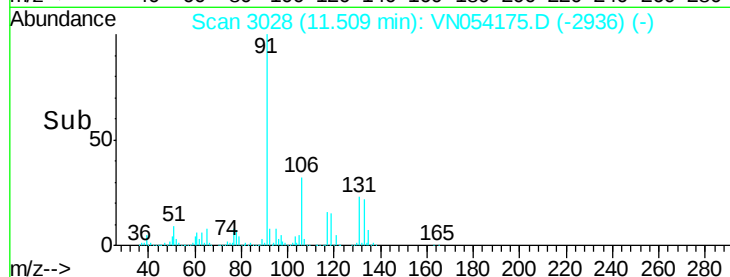
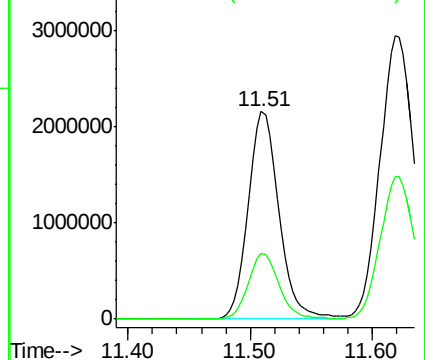
91 100

106 31.7 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN054160.D (-3012) (-)



#68

m/p-Xylenes

Concen: 101.869 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054175.D

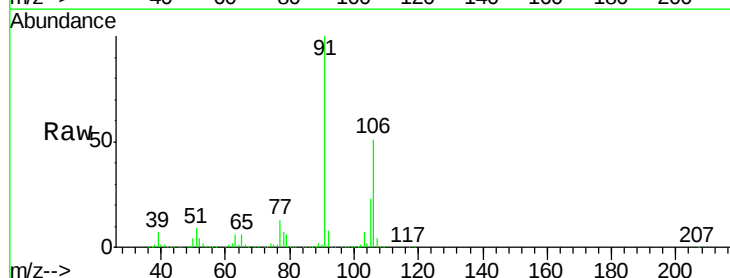
Acq: 12 Mar 2019 20:27

Tgt Ion: 106 Resp: 2973493

Ion Ratio Lower Upper

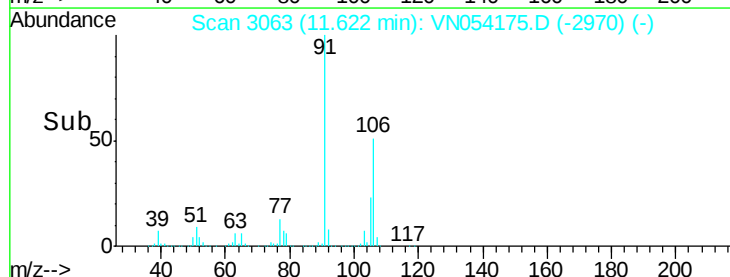
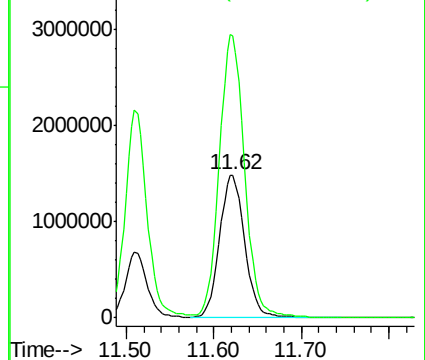
106 100

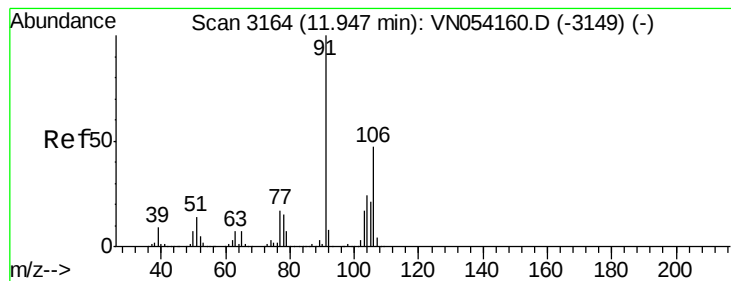
91 198.8 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054160.D (-3048) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-3048) (-)





#69

o-Xylene

Concen: 50.907 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

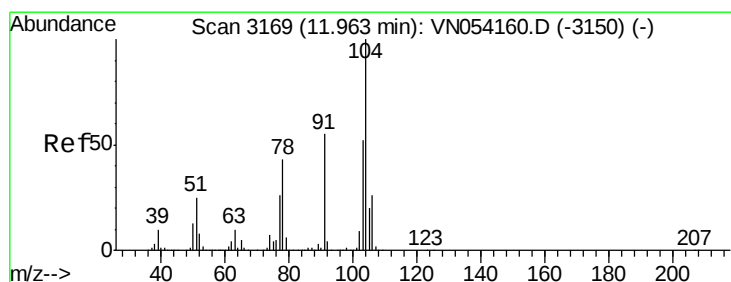
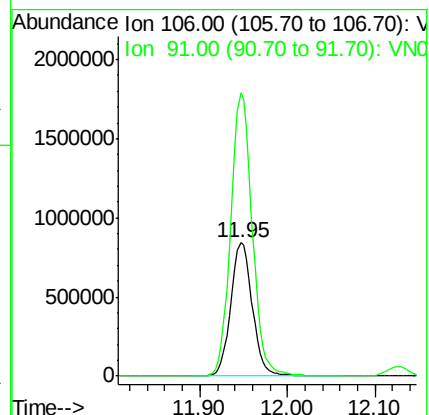
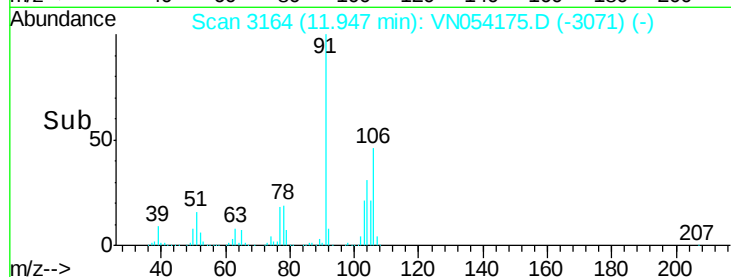
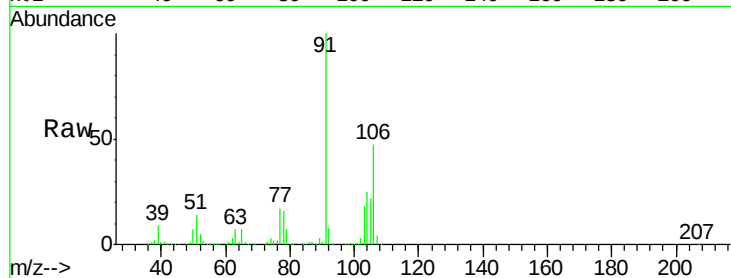
VSTDCCC050EC

Tot Ion:106 Resp: 1448541

Ion Ratio Lower Upper

106 100

91 211.2 105.7 317.1



#70

Styrene

Concen: 52.149 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

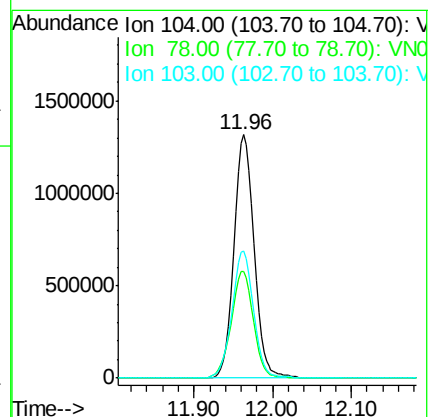
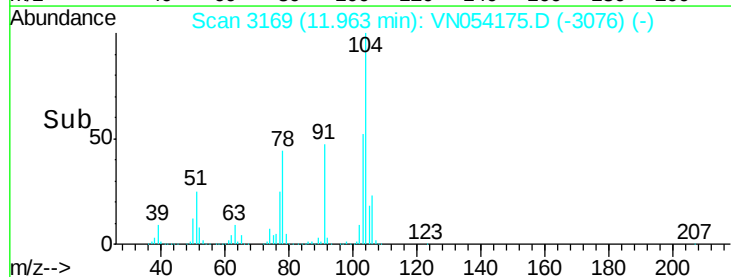
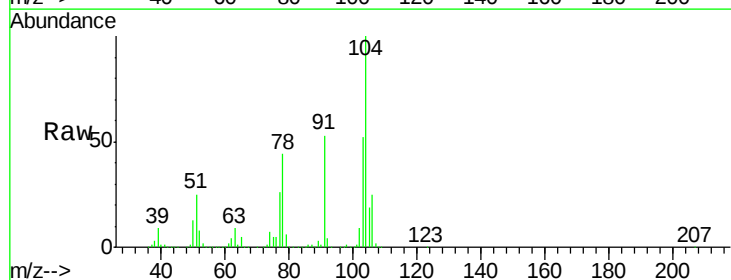
Tgt Ion:104 Resp: 2327213

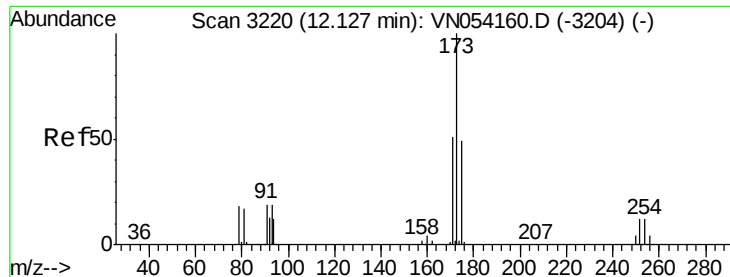
Ion Ratio Lower Upper

104 100

78 48.3 38.2 57.2

103 56.0 44.4 66.6





#71

Bromoform

Concen: 46.382 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

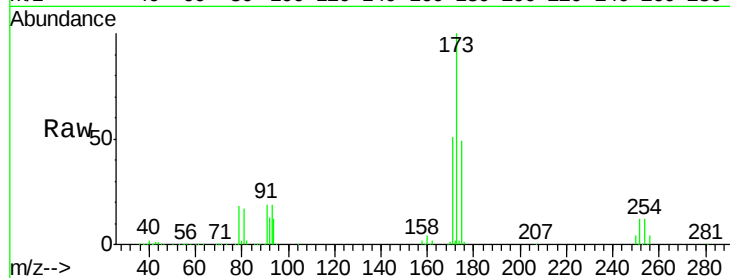
Tot Ion:173 Resp: 576431

Ion Ratio Lower Upper

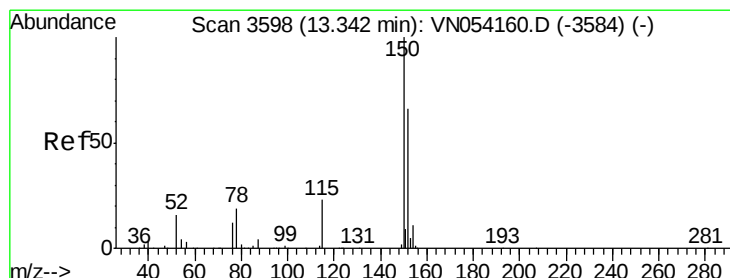
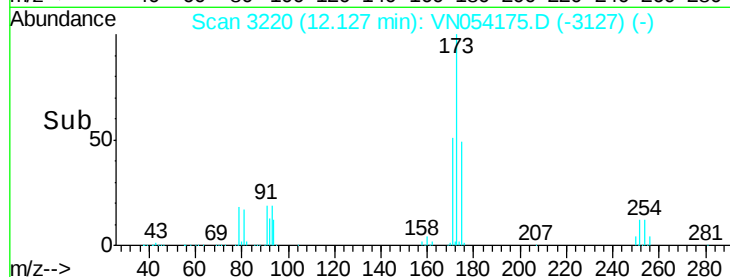
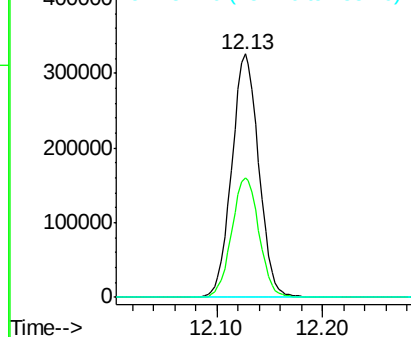
173 100

175 49.6 24.4 73.2

254 0.2 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: VN054175.D

Acq: 12 Mar 2019 20:27

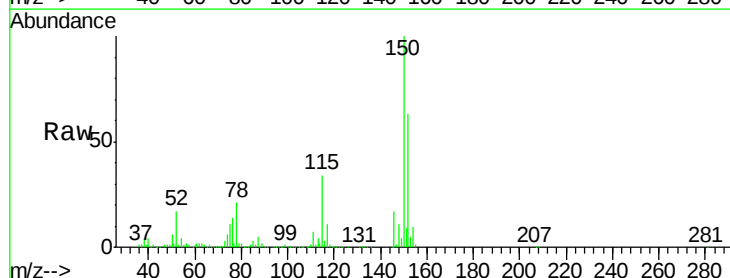
Tgt Ion:152 Resp: 1031992

Ion Ratio Lower Upper

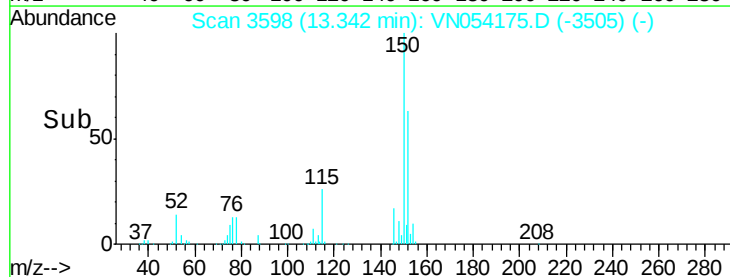
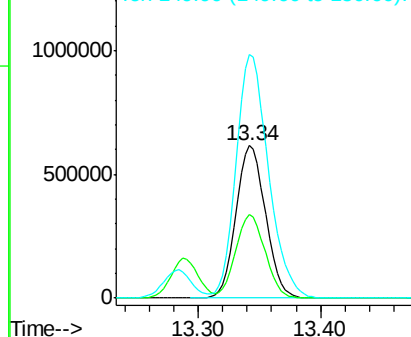
152 100

115 54.6 27.2 81.6

150 174.8 0.0 349.2



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: 46.838 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

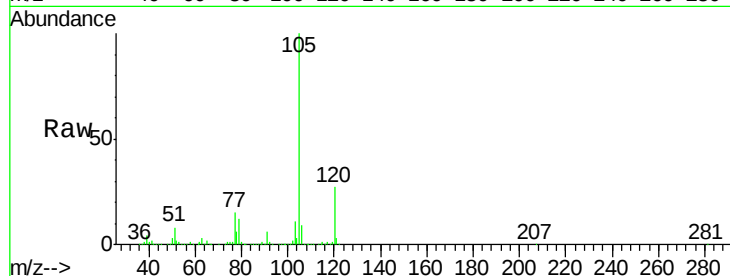
VSTDCCC050EC

Tot Ion:105 Resp: 3867243

Ion Ratio Lower Upper

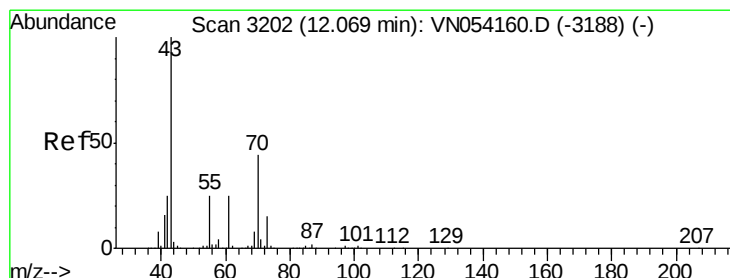
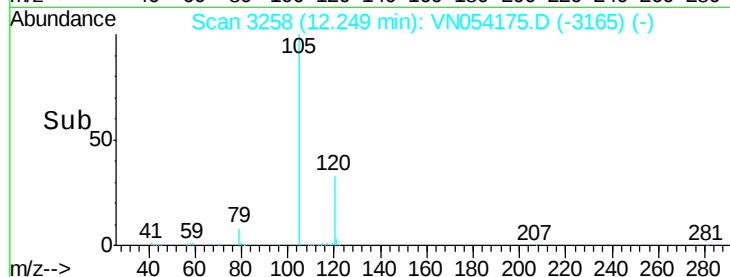
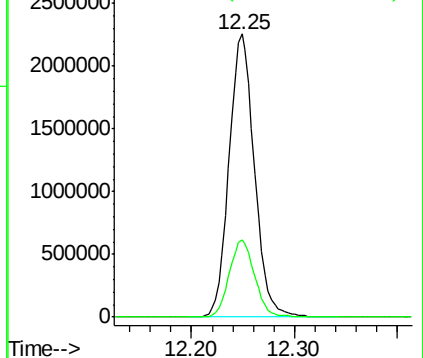
105 100

120 27.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.629 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion: 43 Resp: 909545

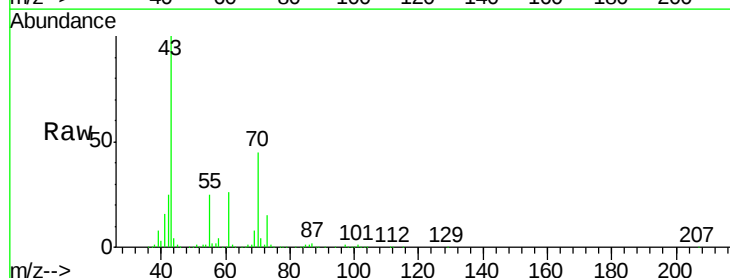
Ion Ratio Lower Upper

43 100

70 45.4 35.4 53.0

55 25.1 19.8 29.6

61 25.6 19.8 29.6

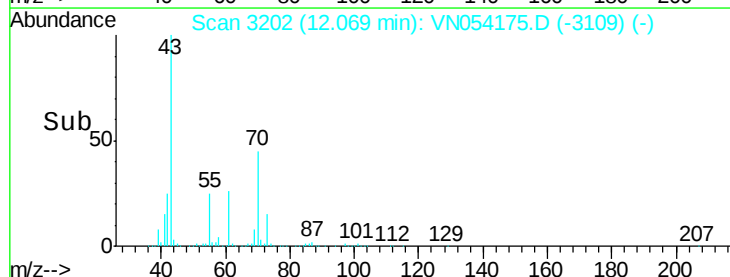
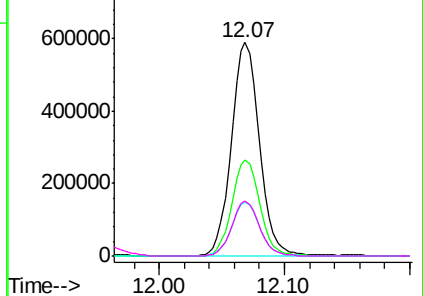


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.247 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

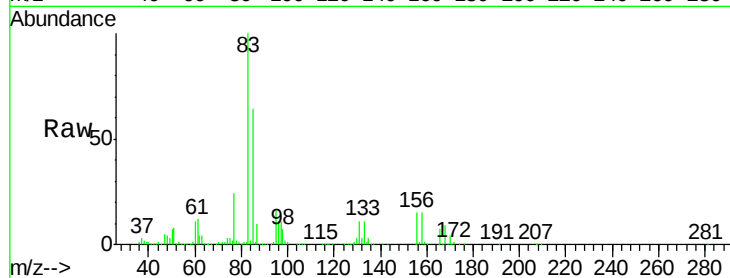
Tot Ion: 83 Resp: 831119

Ion Ratio Lower Upper

83 100

131 11.5 5.8 17.4

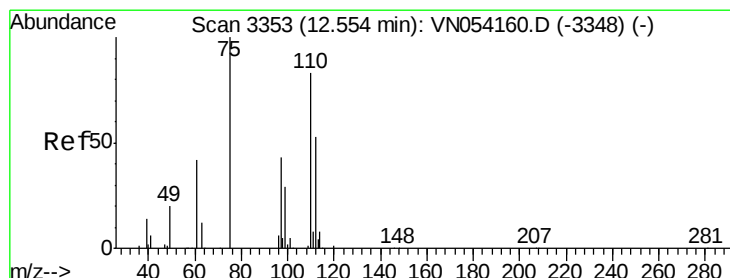
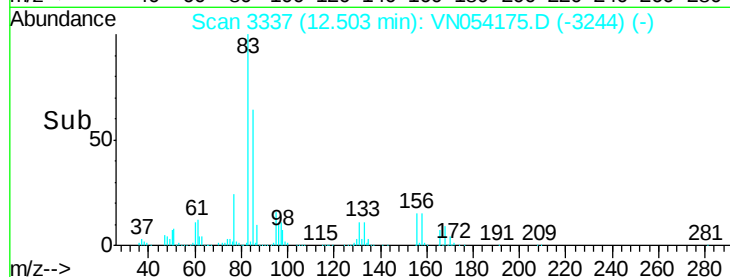
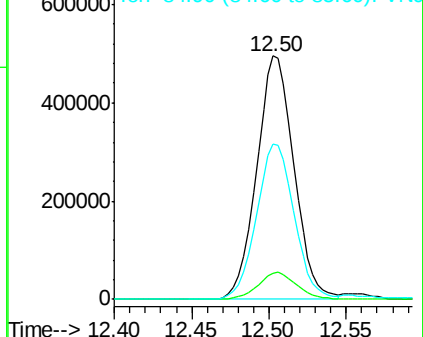
85 64.4 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054175.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054175.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054175.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 69.400 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054175.D

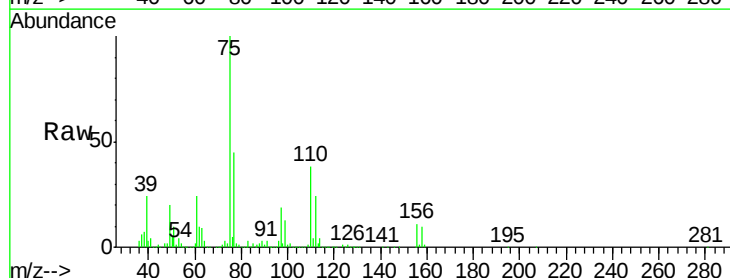
Acq: 12 Mar 2019 20:27

Tgt Ion: 75 Resp: 1053204

Ion Ratio Lower Upper

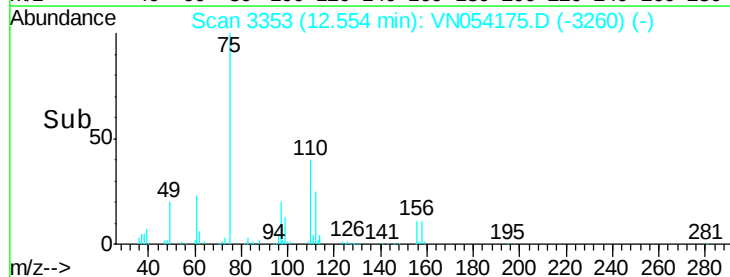
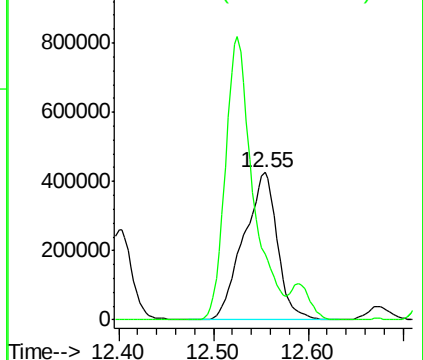
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054175.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054175.D (-3260) (-)





#77

Bromobenzene

Concen: 47.540 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

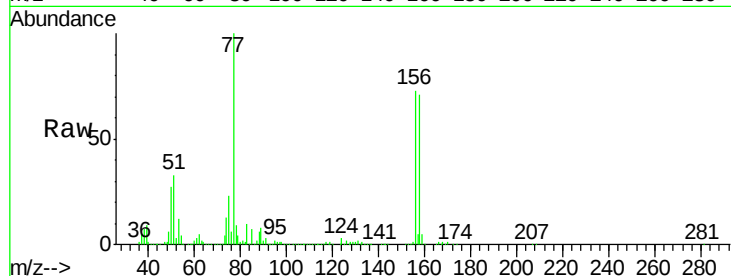
Tot Ion:156 Resp: 1038668

Ion Ratio Lower Upper

156 100

77 160.9 81.5 244.4

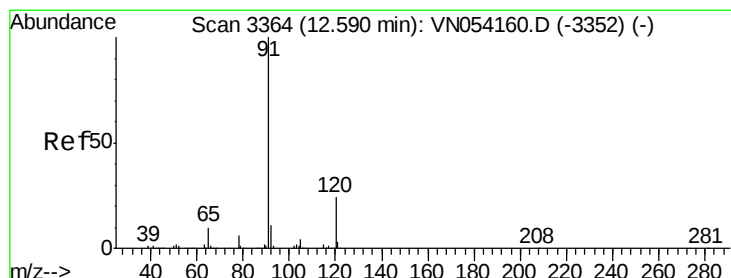
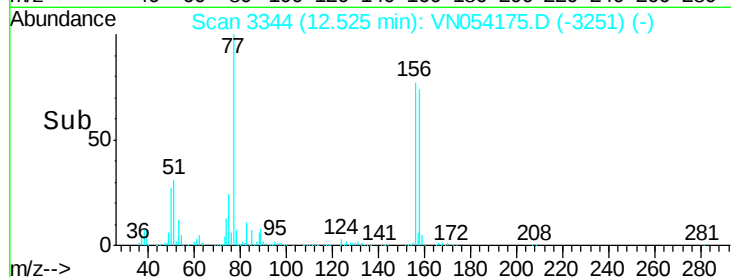
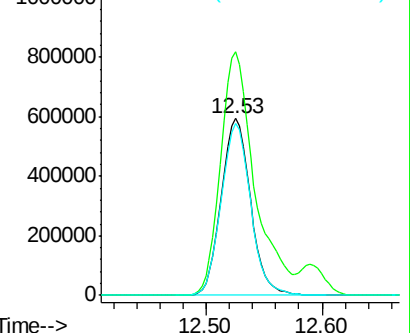
158 97.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.796 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054175.D

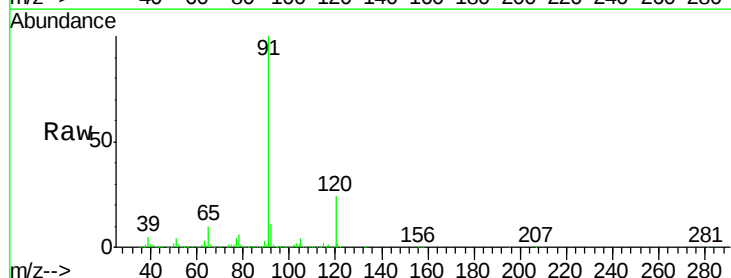
Acq: 12 Mar 2019 20:27

Tgt Ion: 91 Resp: 4281997

Ion Ratio Lower Upper

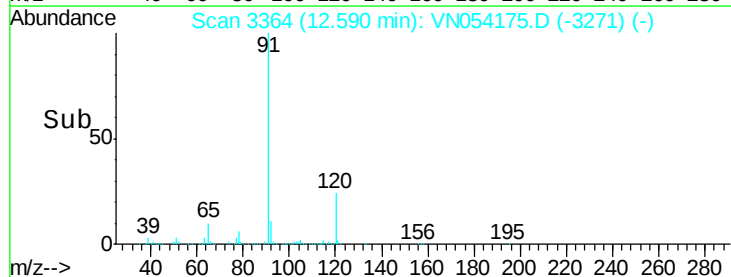
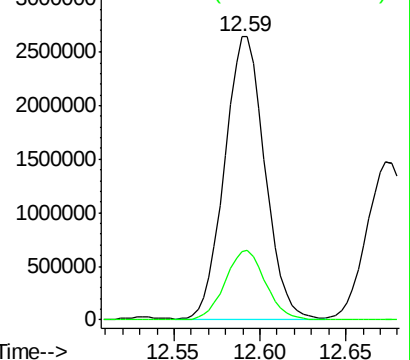
91 100

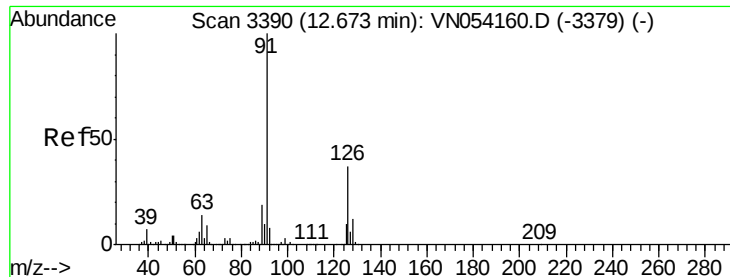
120 24.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.207 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

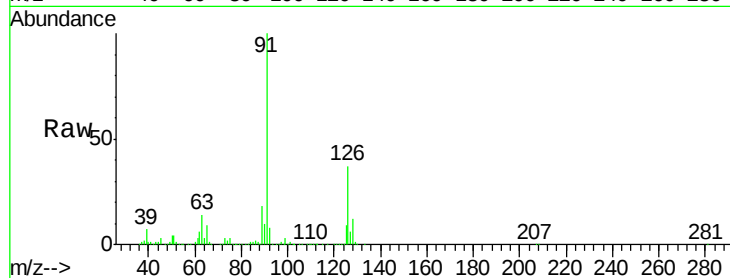
VSTDCCC050EC

Tot Ion: 91 Resp: 2542916

Ion Ratio Lower Upper

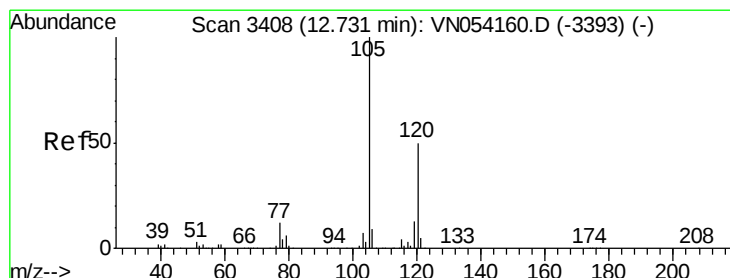
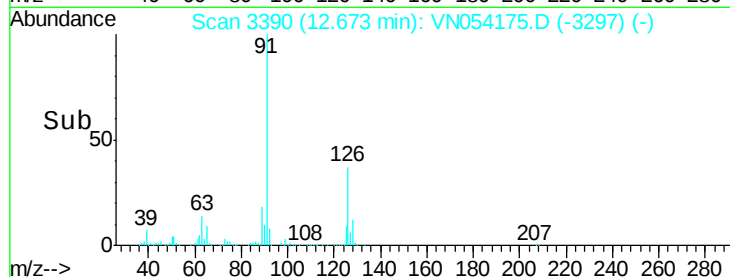
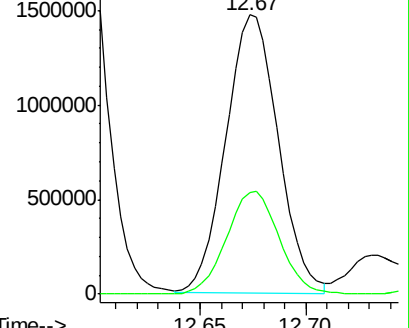
91 100

126 37.2 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054160.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.268 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054175.D

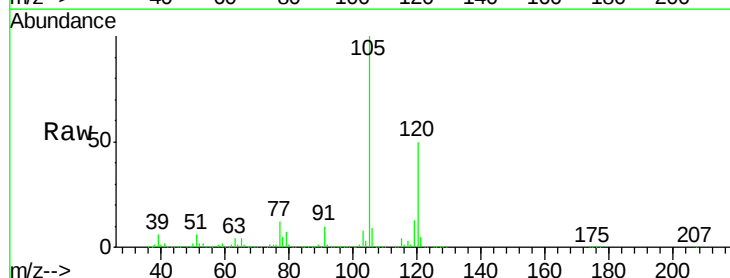
Acq: 12 Mar 2019 20:27

Tgt Ion: 105 Resp: 3246233

Ion Ratio Lower Upper

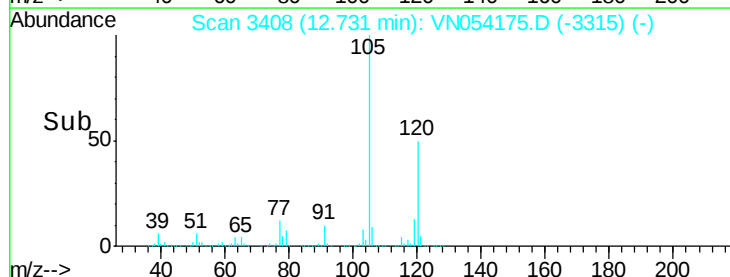
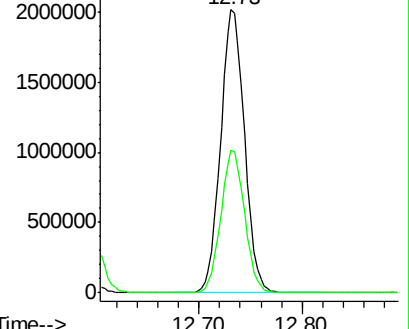
105 100

120 50.2 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054160.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054160.D (-3393) (-)

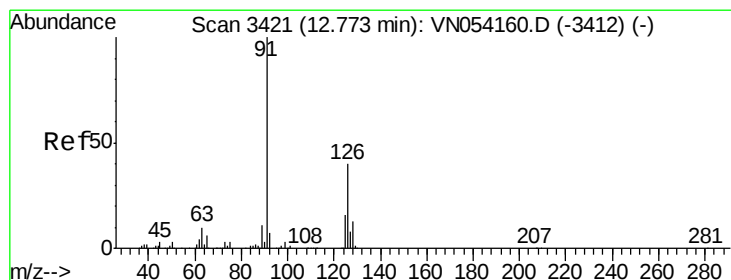
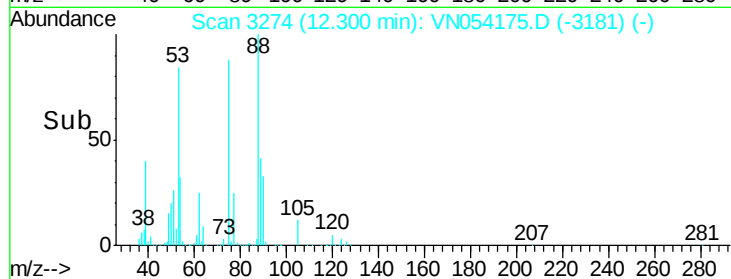
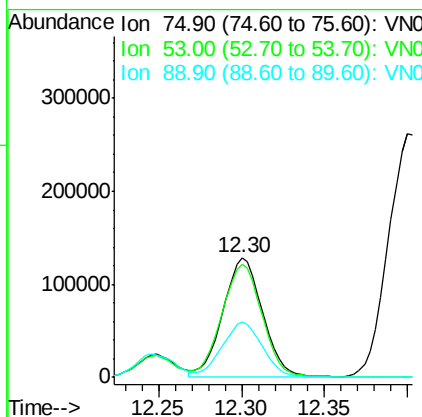
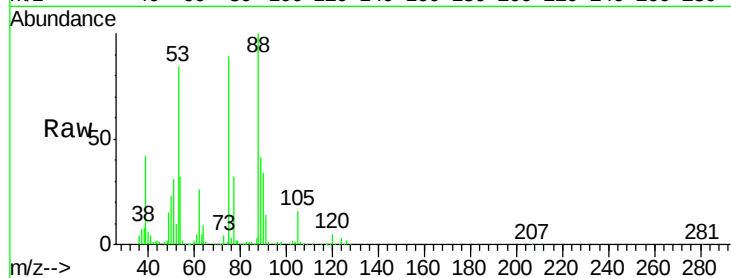




#81
trans-1,4-Dichloro-2-butene
Concen: 47.344 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

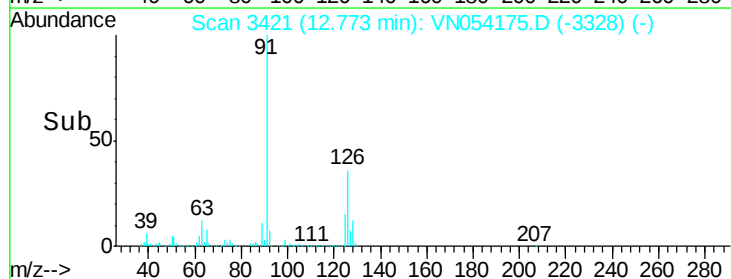
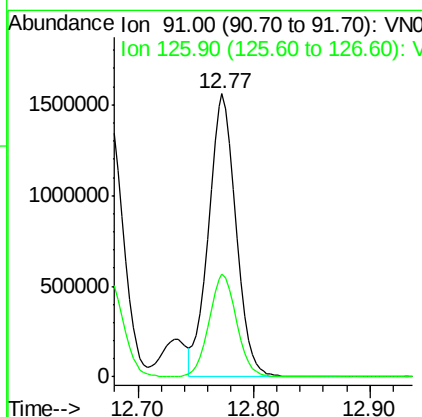
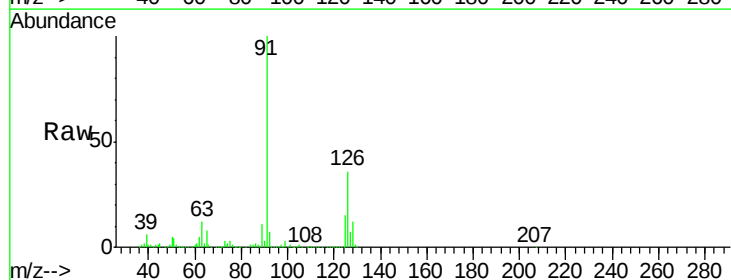
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

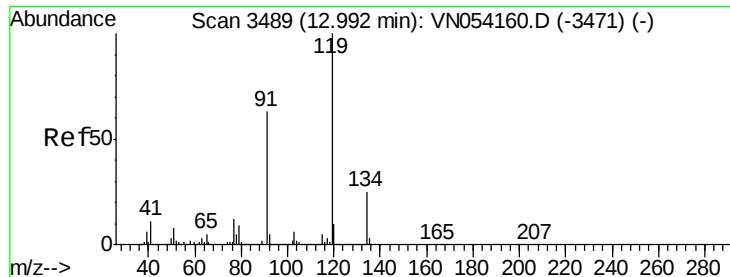
Tot Ion: 75 Resp: 210181
Ion Ratio Lower Upper
75 100
53 98.3 76.2 114.2
89 48.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 47.922 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion: 91 Resp: 2577655
Ion Ratio Lower Upper
91 100
126 36.7 18.1 54.1





#83

tert-Butylbenzene

Concen: 46.955 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

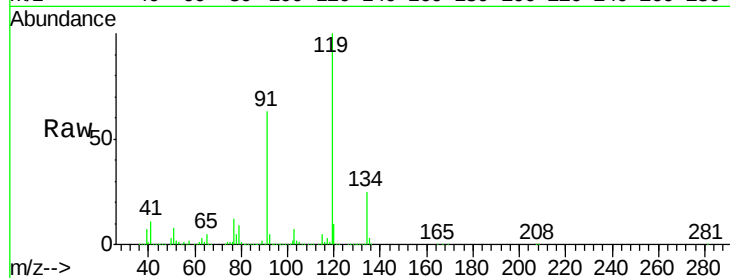
Tot Ion:119 Resp: 2968171

Ion Ratio Lower Upper

119 100

91 61.2 30.9 92.8

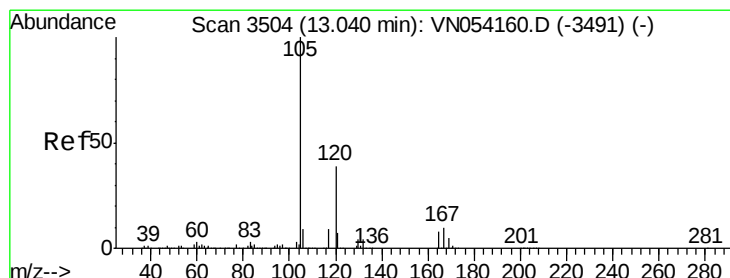
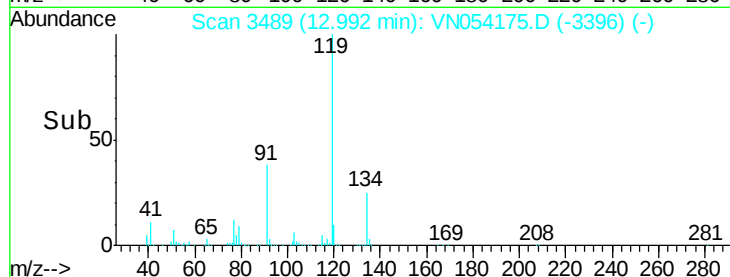
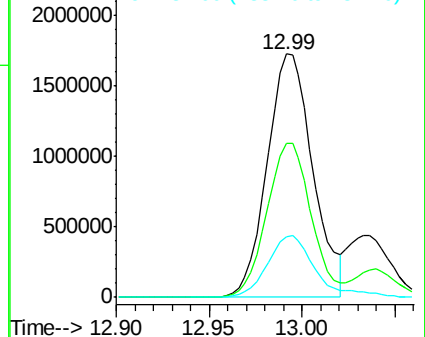
134 26.5 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 48.734 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054175.D

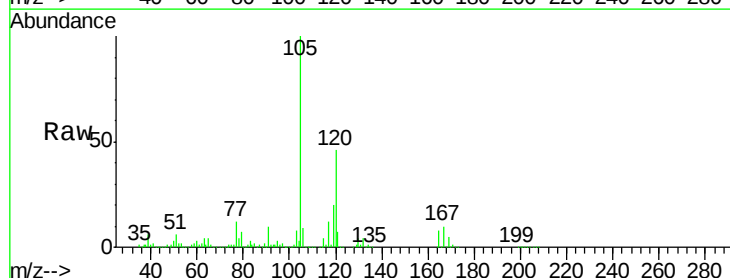
Acq: 12 Mar 2019 20:27

Tgt Ion:105 Resp: 3283507

Ion Ratio Lower Upper

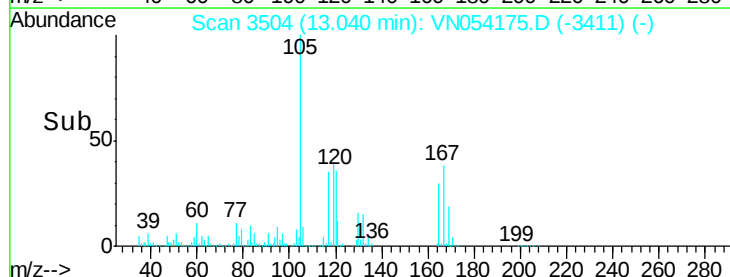
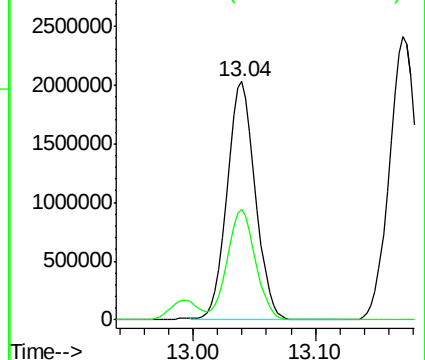
105 100

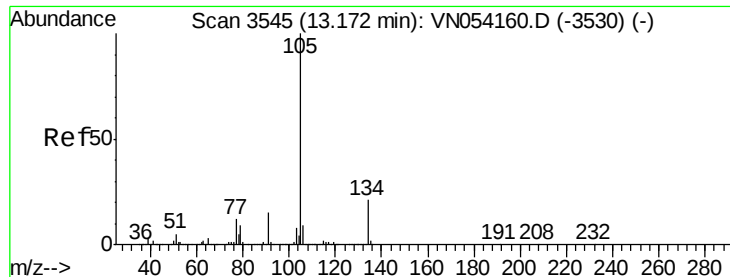
120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 47.282 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

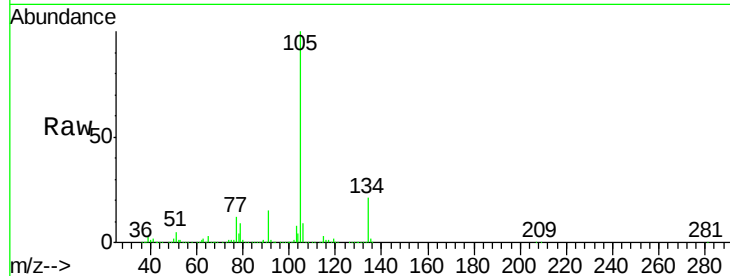
VSTDCCC050EC

Tot Ion:105 Resp: 3876140

Ion Ratio Lower Upper

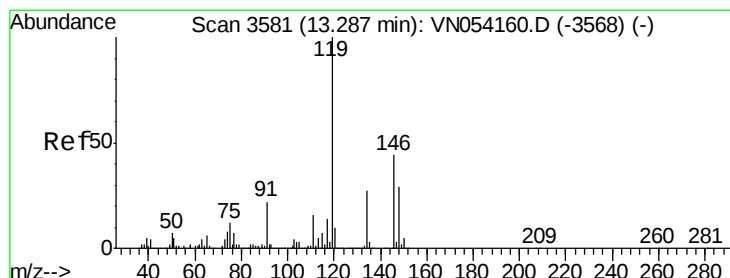
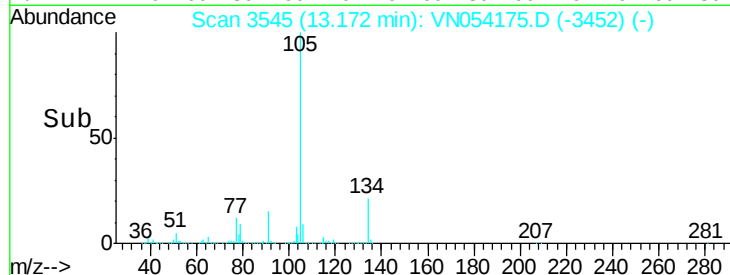
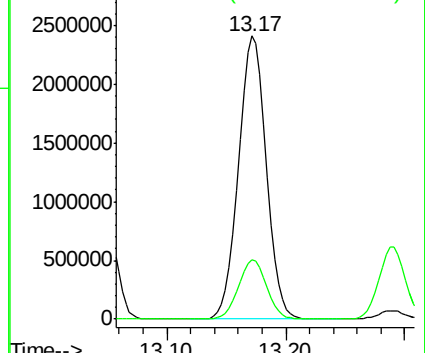
105 100

134 21.3 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.183 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

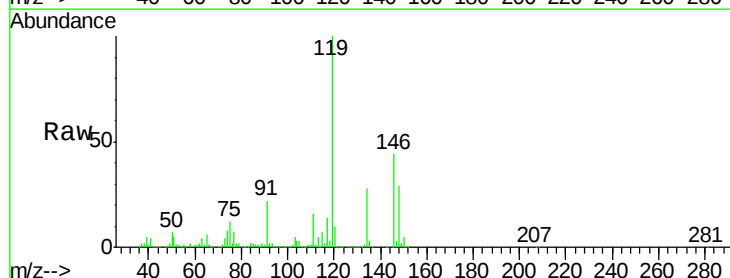
Tgt Ion:119 Resp: 3465356

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

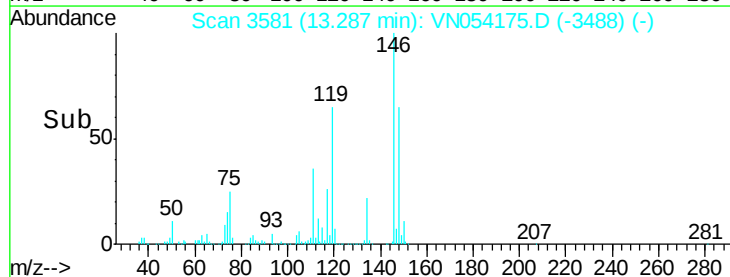
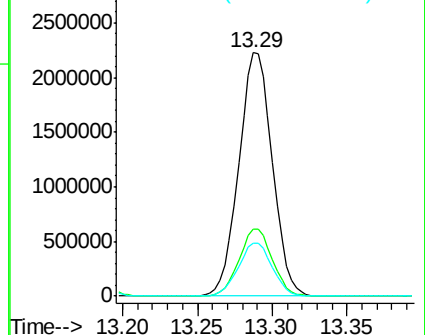
91 22.0 11.1 33.3

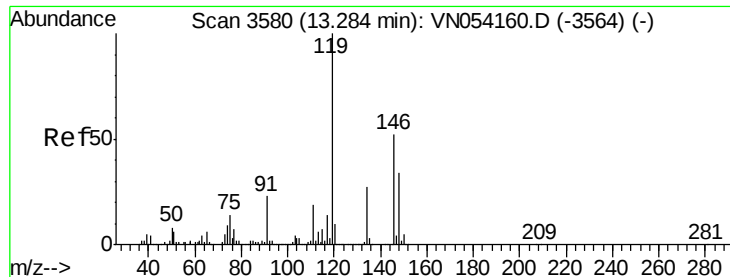


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.575 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

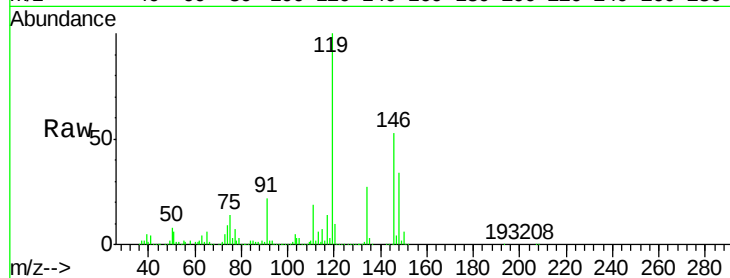
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 1825100

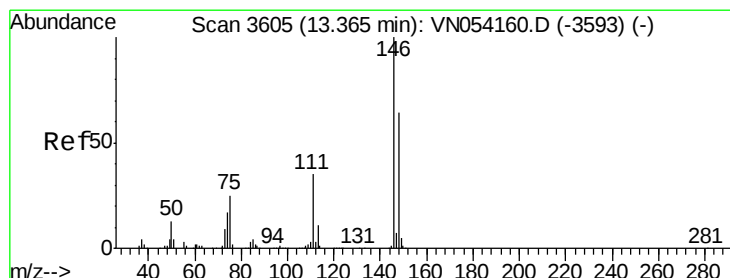
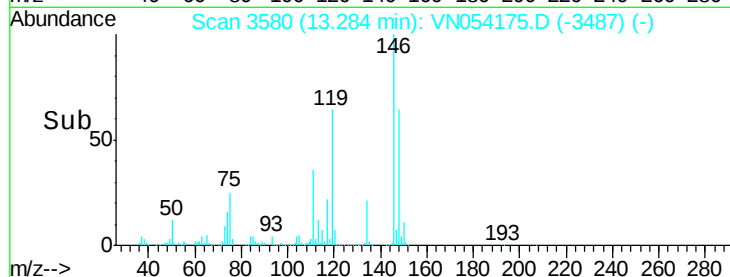
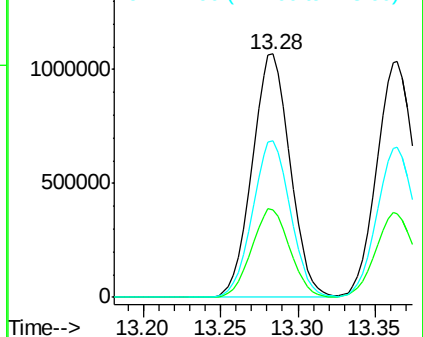
Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.8	56.3
148	64.4	32.2	96.6



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: 49.254 ug/l

RT: 13.36 min Scan# 3605

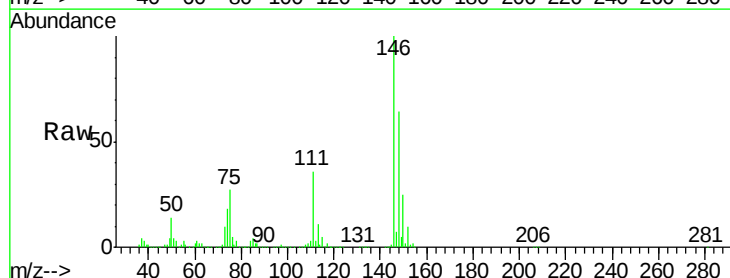
Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Tgt Ion:146 Resp: 1781316

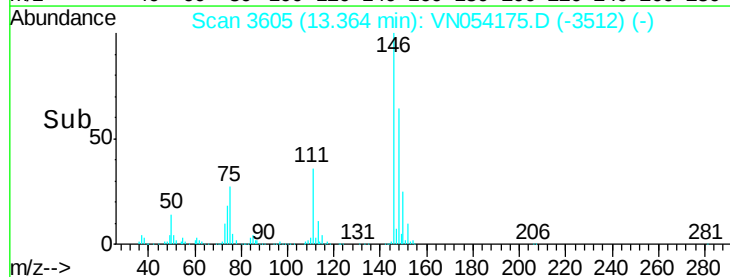
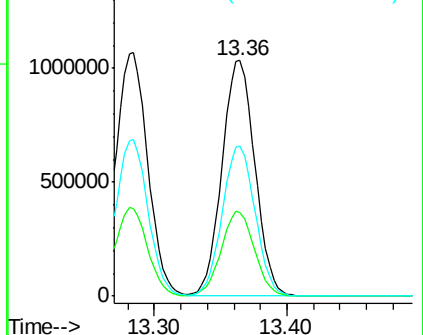
Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.1
148	63.6	32.0	96.0

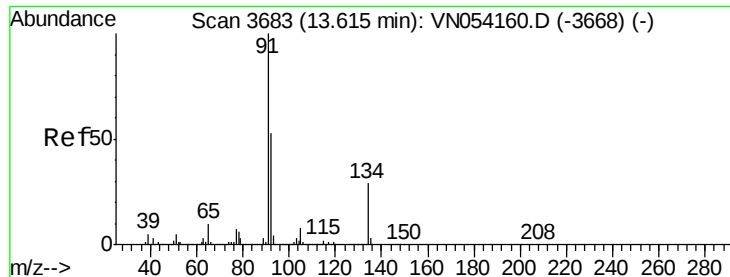


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 51.421 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

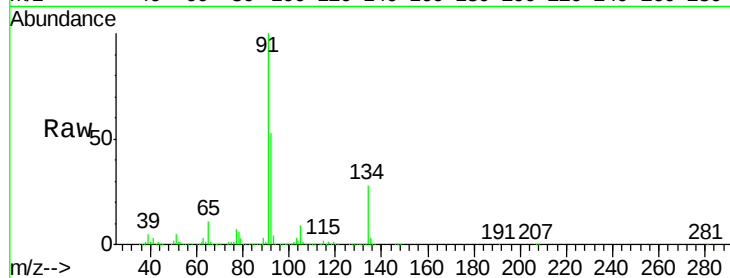
Tot Ion: 91 Resp: 2809928

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

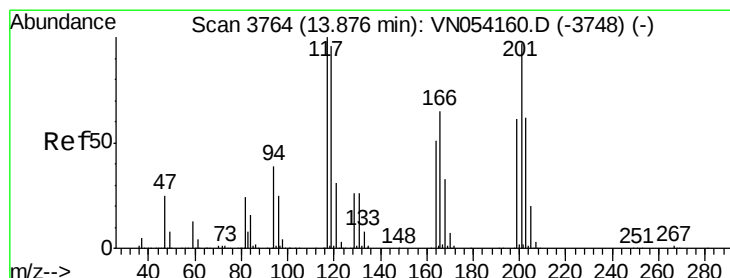
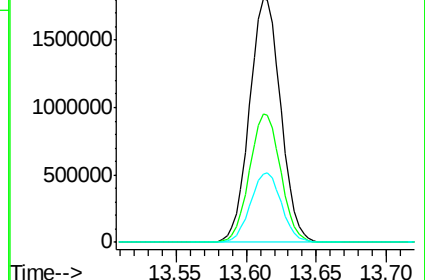
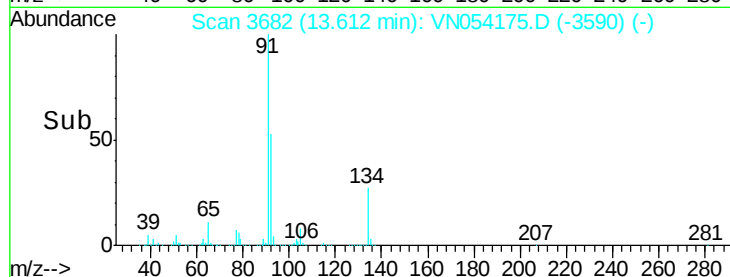
134 28.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054175.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN054175.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN054175.D (-3590) (-)



#90

Hexachloroethane

Concen: 47.988 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN054175.D

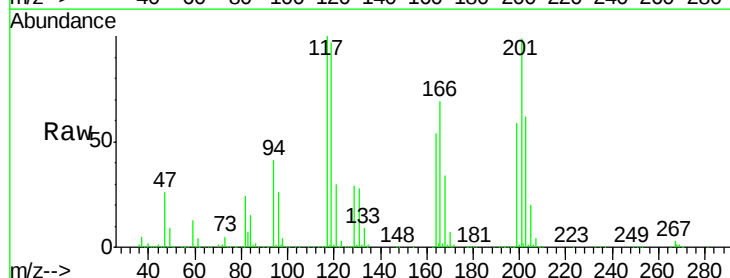
Acq: 12 Mar 2019 20:27

Tgt Ion: 117 Resp: 571486

Ion Ratio Lower Upper

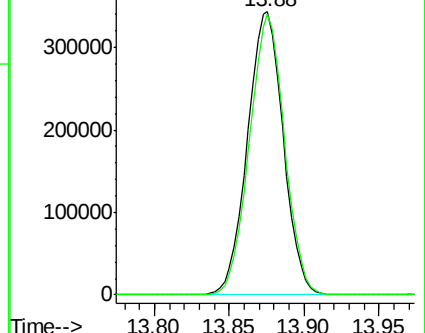
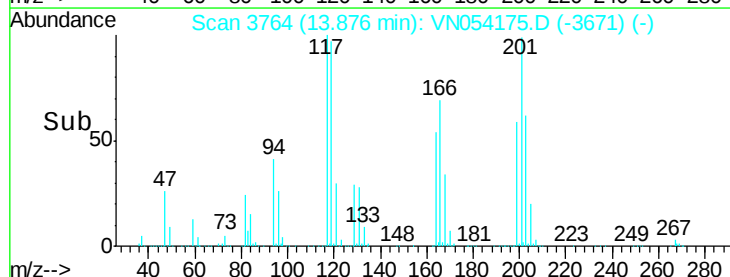
117 100

201 97.2 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054175.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN054175.D (-3671) (-)

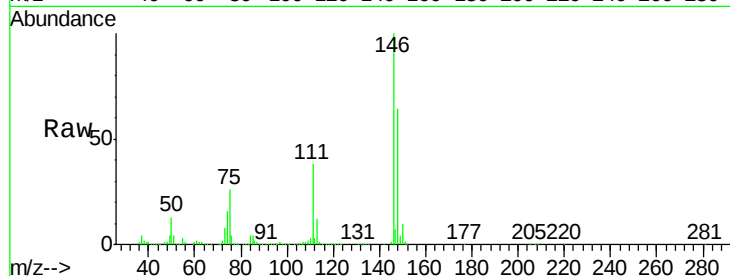




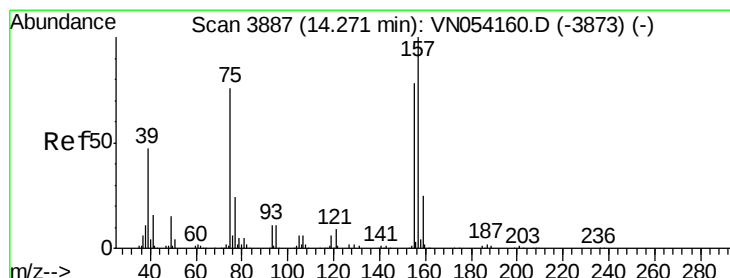
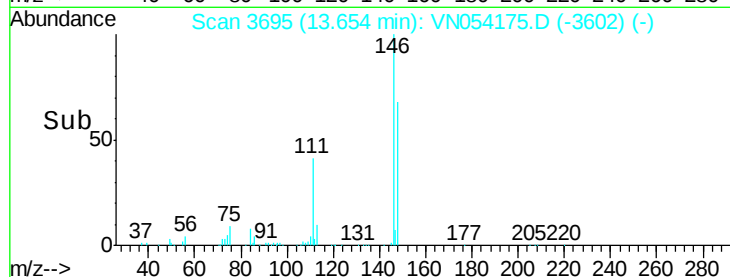
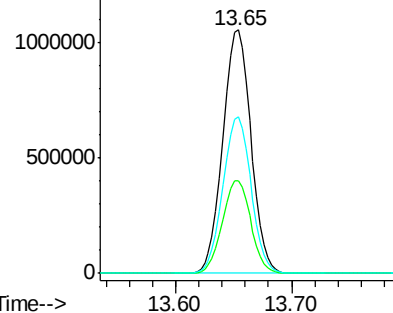
#91
 1,2-Dichlorobenzene
 Concen: 49.446 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 1779556
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.1 57.3
 148 64.1 32.4 97.0

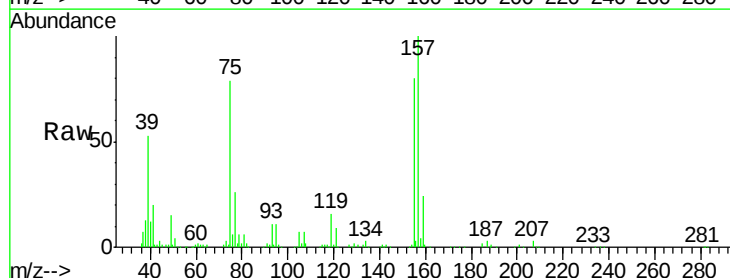


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

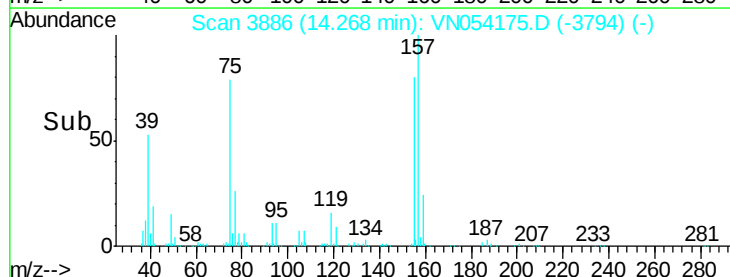
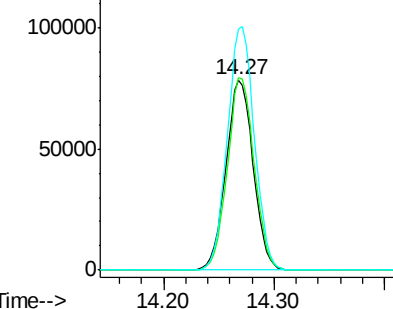


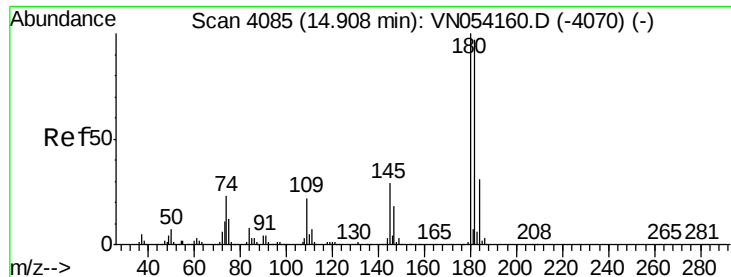
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.347 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054175.D
 Acq: 12 Mar 2019 20:27

Tgt Ion: 75 Resp: 134327
 Ion Ratio Lower Upper
 75 100
 155 99.2 50.1 150.3
 157 126.8 63.1 189.3



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





#93

1,2,4-Trichlorobenzene

Concen: 47.155 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

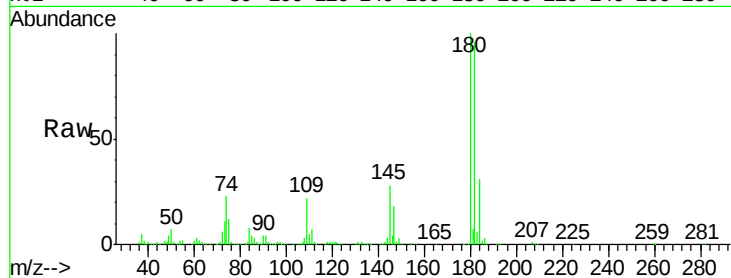
Tot Ion:180 Resp: 1021306

Ion Ratio Lower Upper

180 100

182 96.9 48.0 144.2

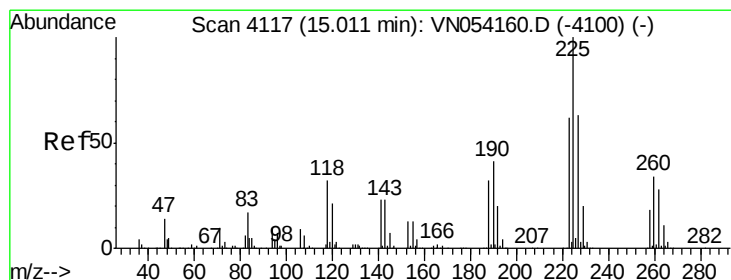
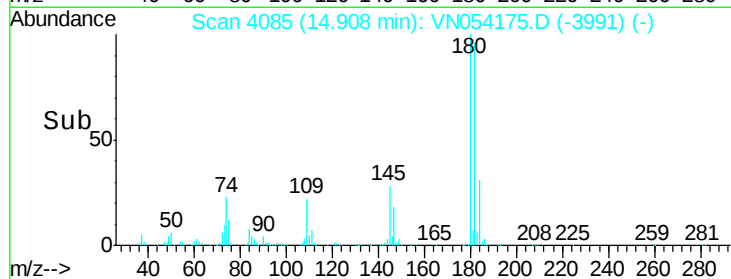
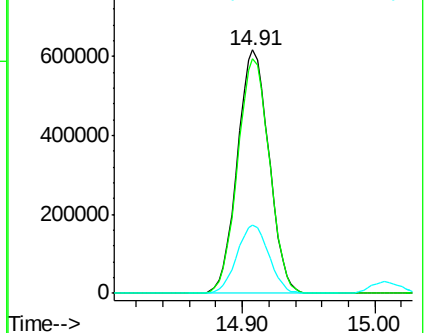
145 28.1 14.2 42.8



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: 47.700 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN054175.D

Acq: 12 Mar 2019 20:27

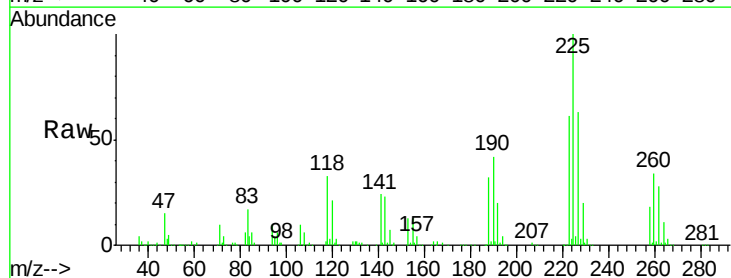
Tgt Ion:225 Resp: 653898

Ion Ratio Lower Upper

225 100

223 61.6 31.1 93.5

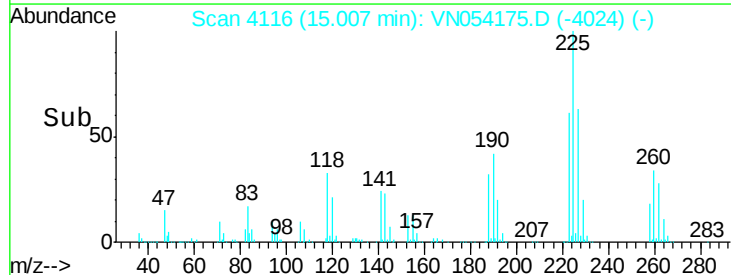
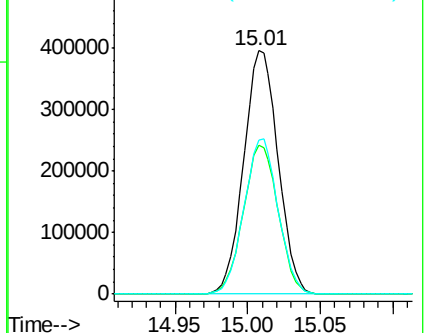
227 63.2 31.9 95.9

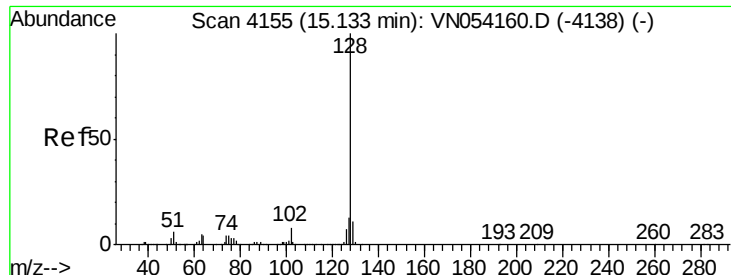


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

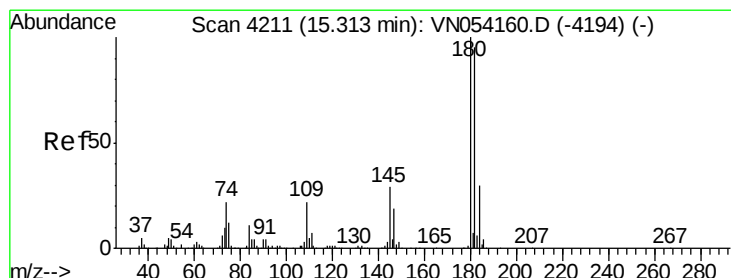
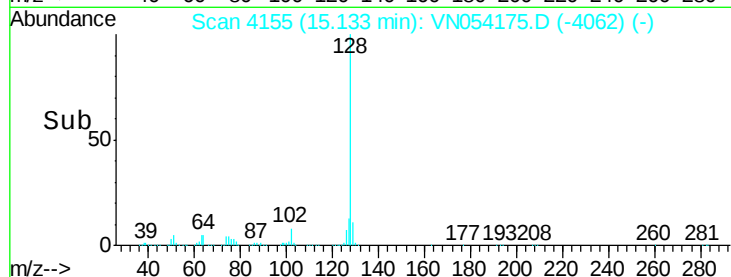
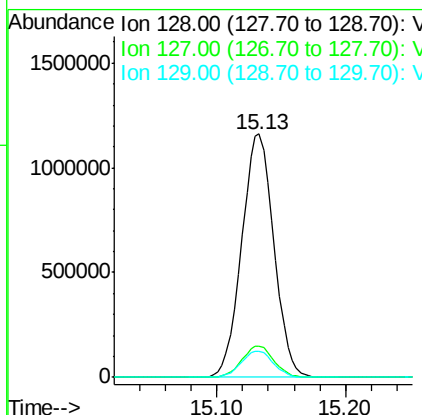
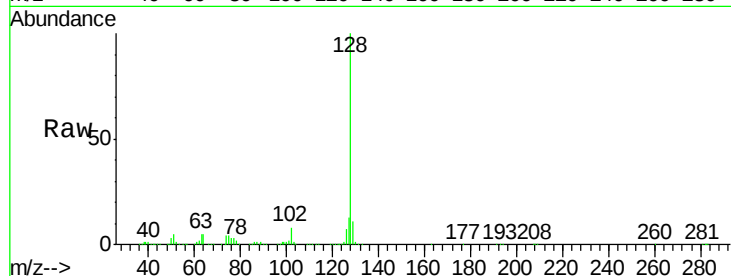




#95
Naphthalene
Concen: 44.857 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 2012996
Ion Ratio Lower Upper
128 100
127 12.9 10.1 15.1
129 10.8 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.910 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054175.D
Acq: 12 Mar 2019 20:27

Tgt Ion:180 Resp: 1011766
Ion Ratio Lower Upper
180 100
182 96.2 47.5 142.6
145 29.6 14.8 44.3

