

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011519\
 Data File : VN053411.D
 Acq On : 15 Jan 2019 16:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 16 03:41:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 15 11:52:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	935096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1407916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1279620	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	617756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	457294	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
35) Dibromofluoromethane	7.59	113	399252	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	1678849	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	12.40	95	591001	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	367970	48.944	ug/l	98
3) Chloromethane	2.06	50	520758	48.446	ug/l	99
4) Vinyl Chloride	2.19	62	501078	48.359	ug/l	99
5) Bromomethane	2.57	94	333454	46.902	ug/l	100
6) Chloroethane	2.71	64	300478	47.965	ug/l	100
7) Trichlorofluoromethane	3.02	101	667884	49.279	ug/l	98
8) Diethyl Ether	3.41	74	258314	50.746	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	417280	48.615	ug/l	99
10) Methyl Iodide	3.96	142	649696	49.532	ug/l	100
11) Tert butyl alcohol	4.78	59	159117	351.831	ug/l	99
12) 1,1-Dichloroethene	3.74	96	413878	49.713	ug/l	99
13) Acrolein	3.61	56	252502	282.838	ug/l	100
14) Allyl chloride	4.33	41	700629	51.810	ug/l	95
15) Acrylonitrile	4.99	53	843055	283.253	ug/l	99
16) Acetone	3.82	43	608661	280.688	ug/l	98
17) Carbon Disulfide	4.06	76	1220149	48.464	ug/l	100
18) Methyl Acetate	4.32	43	391483	53.585	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1161132	52.491	ug/l	100
20) Methylene Chloride	4.55	84	472752	47.752	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	444062	49.891	ug/l	99
22) Diisopropyl ether	5.95	45	1435900	50.863	ug/l	98
23) Vinyl Acetate	5.90	43	4697632	270.700	ug/l	100
24) 1,1-Dichloroethane	5.85	63	833225	49.927	ug/l	99
25) 2-Butanone	6.83	43	976760	292.301	ug/l	99
26) 2,2-Dichloropropane	6.83	77	634502	50.356	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	512134	50.319	ug/l	99
28) Bromochloromethane	7.20	49	361547	49.176	ug/l	100
29) Tetrahydrofuran	7.21	42	638511	293.513	ug/l	99
30) Chloroform	7.37	83	813953	50.058	ug/l	99
31) Cyclohexane	7.66	56	781906	48.135	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	689696	50.002	ug/l	99
36) 1,1-Dichloropropene	7.80	75	638309	49.782	ug/l	100
37) Ethyl Acetate	6.93	43	426139	57.291	ug/l	99
38) Carbon Tetrachloride	7.78	117	600109	49.436	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	786776	49.645	ug/l	99
40) Benzene	8.04	78	1938626	49.754	ug/l	100
41) Methacrylonitrile	7.17	41	216266	47.019	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	563299	49.624	ug/l	100
43) Isopropyl Acetate	8.17	43	754637	54.483	ug/l	100
44) Trichloroethene	8.84	130	536854	49.684	ug/l	100
45) 1,2-Dichloropropane	9.12	63	512170	49.627	ug/l	98
46) Dibromomethane	9.21	93	293033	49.420	ug/l	99
47) Bromodichloromethane	9.40	83	615616	49.370	ug/l	100
48) Methyl methacrylate	9.20	41	375710	54.858	ug/l	100
49) 1,4-Dioxane	9.20	88	91011	1360.667	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	2125662	293.557	ug/l	100
52) Toluene	10.16	92	1214522	50.208	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	657342	52.009	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	752349	50.779	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	425700	51.045	ug/l	99
56) Ethyl methacrylate	10.43	69	595624	50.312	ug/l	100
57) 1,3-Dichloropropane	10.71	76	736306	51.037	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1546235	265.022	ug/l	100
59) 2-Hexanone	10.75	43	1498841	294.866	ug/l	99
60) Dibromochloromethane	10.90	129	477007	50.429	ug/l	99
61) 1,2-Dibromoethane	11.01	107	439669	52.128	ug/l	100
64) Tetrachloroethene	10.63	164	578711	47.990	ug/l	99
65) Chlorobenzene	11.43	112	1343844	49.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466484	49.507	ug/l	100
67) Ethyl Benzene	11.51	91	2341642	50.729	ug/l	100
68) m/p-Xylenes	11.62	106	1782505	102.278	ug/l	99
69) o-Xylene	11.95	106	867740	51.241	ug/l	99
70) Styrene	11.96	104	1429348	52.006	ug/l	99
71) Bromoform	12.13	173	344230	53.065	ug/l	99
73) Isopropylbenzene	12.25	105	2312768	51.124	ug/l	100
74) N-amyl acetate	12.07	43	691356	57.328	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	516226	54.410	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	704831	90.620	ug/l #	100
77) Bromobenzene	12.53	156	591555	49.625	ug/l	99
78) n-propylbenzene	12.59	91	2670137	51.420	ug/l	100
79) 2-Chlorotoluene	12.68	91	1545466	50.210	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1884274	51.193	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163317	50.732	ug/l	99
82) 4-Chlorotoluene	12.77	91	1580834	50.362	ug/l	99
83) tert-Butylbenzene	12.99	119	1662751	51.147	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1884095	50.766	ug/l	99
85) sec-Butylbenzene	13.17	105	2284566	51.241	ug/l	99
86) p-Isopropyltoluene	13.29	119	1995559	51.549	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1049226	50.038	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1039779	49.434	ug/l	99
89) n-Butylbenzene	13.62	91	1690184	51.220	ug/l	100
90) Hexachloroethane	13.88	117	310250	51.100	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	985152	51.068	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	72661	60.399	ug/l	99

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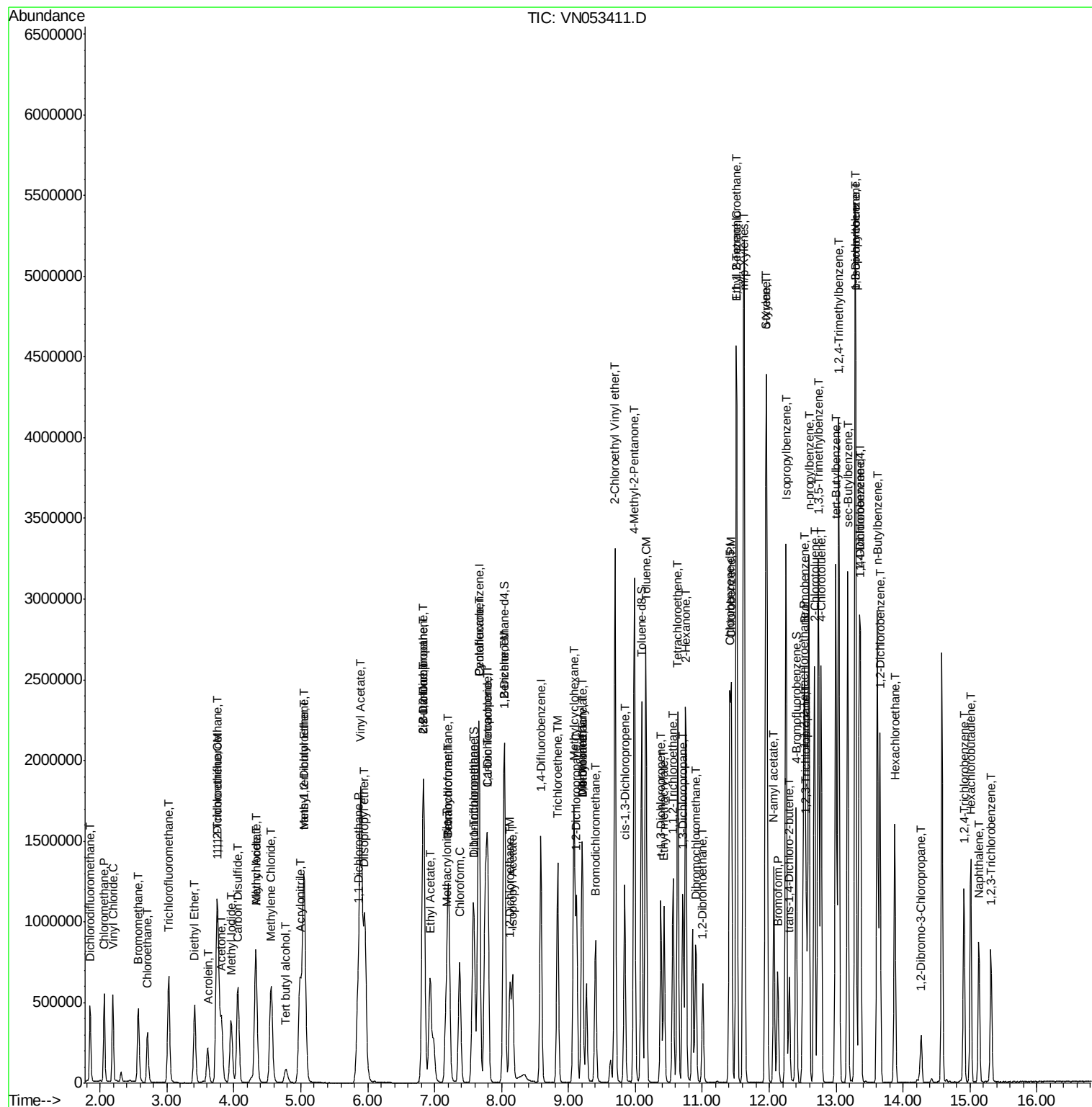
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	429180	50.399	ug/l	99
94) Hexachlorobutadiene	15.01	225	301859	50.161	ug/l	99
95) Naphthalene	15.13	128	780242	52.070	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	318451	51.042	ug/l	99

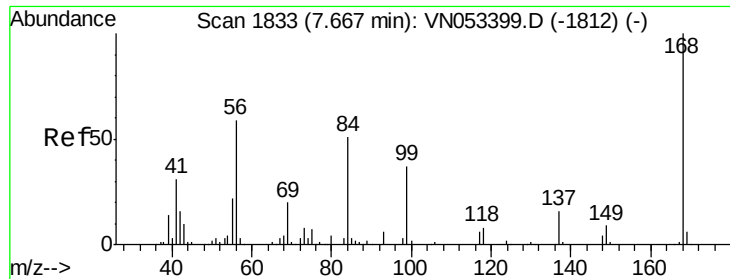
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

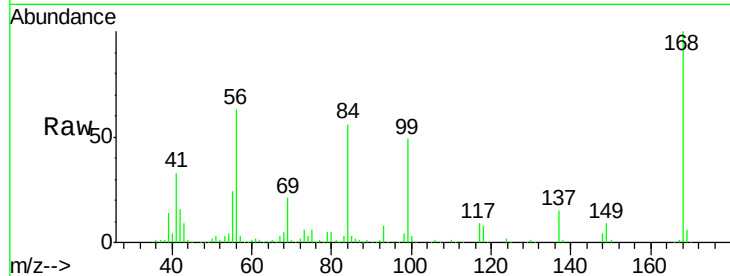
VSTDCCC050EC

Tot Ion:168 Resp: 935096

Ion Ratio Lower Upper

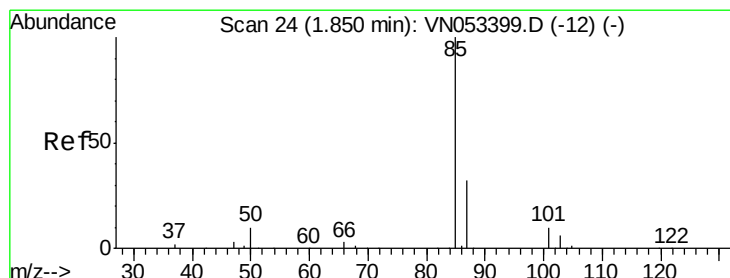
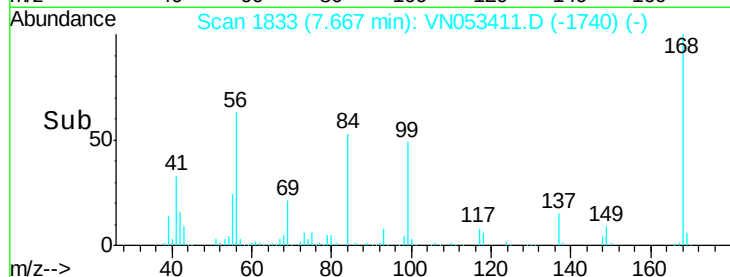
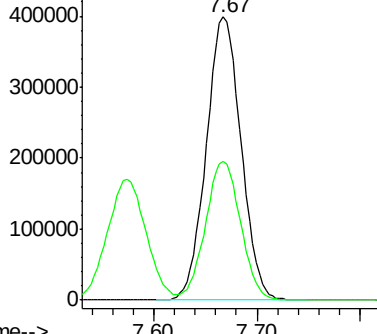
168 100

99 48.9 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.944 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053411.D

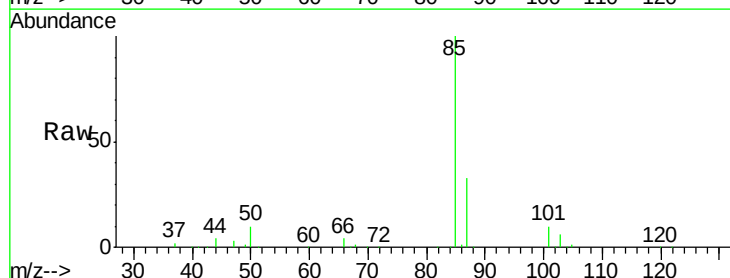
Acq: 15 Jan 2019 16:41

Tgt Ion: 85 Resp: 367970

Ion Ratio Lower Upper

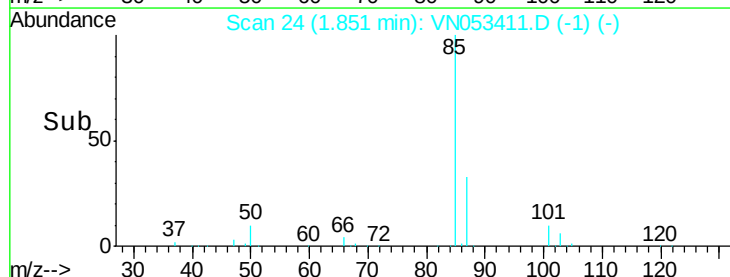
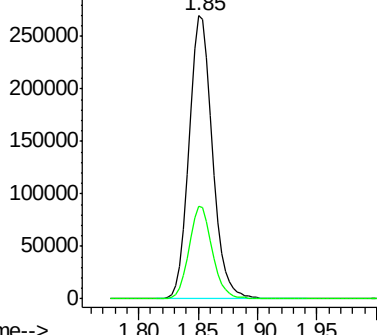
85 100

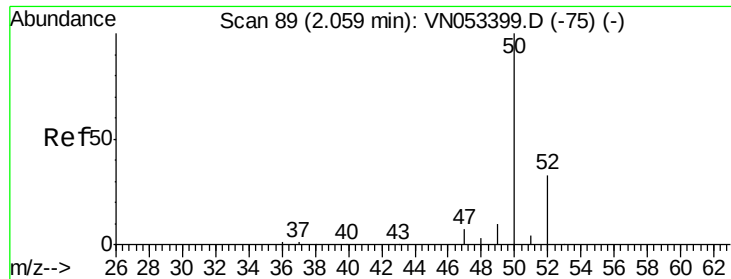
87 32.8 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.446 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

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ClientSampleId :

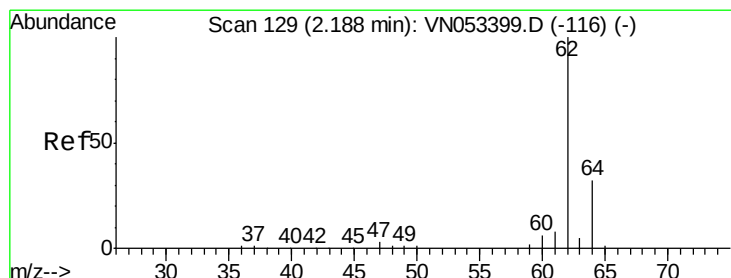
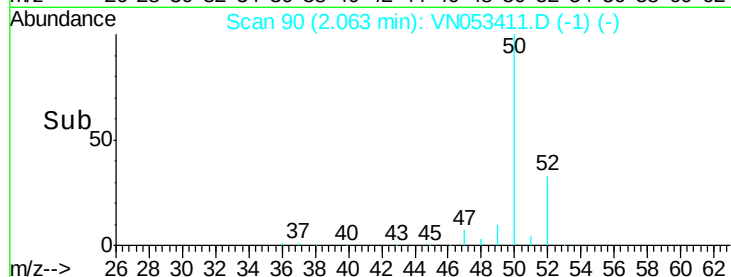
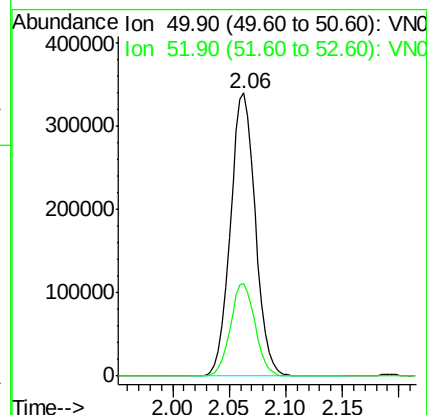
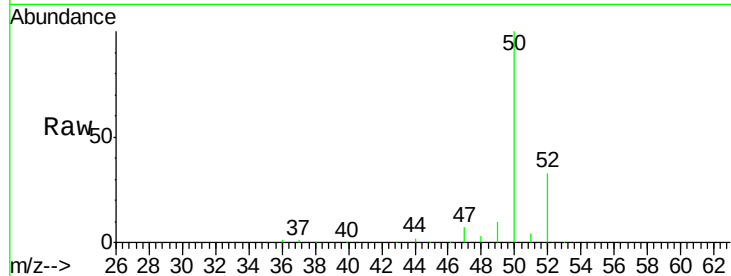
VSTDCCC050EC

Tot Ion: 50 Resp: 520758

Ion Ratio Lower Upper

50 100

52 32.7 26.6 40.0



#4

Vinyl Chloride

Concen: 48.359 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053411.D

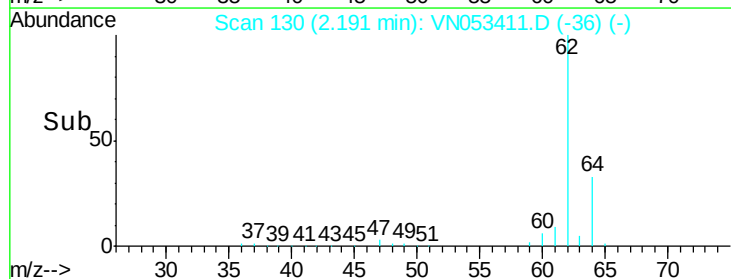
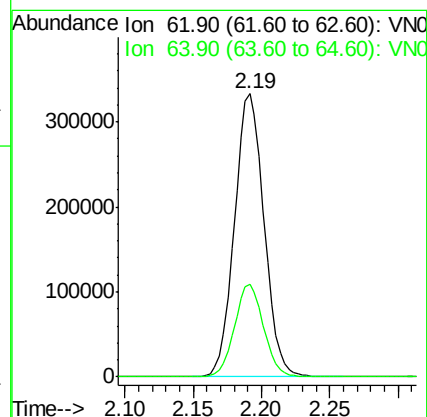
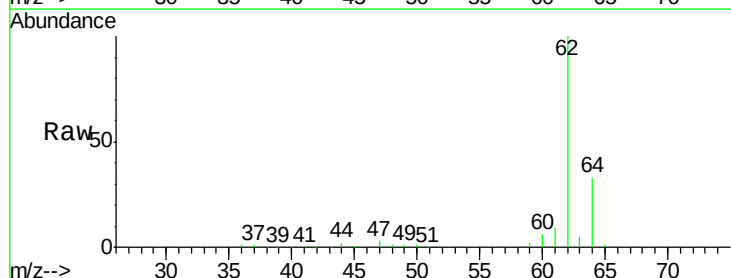
Acq: 15 Jan 2019 16:41

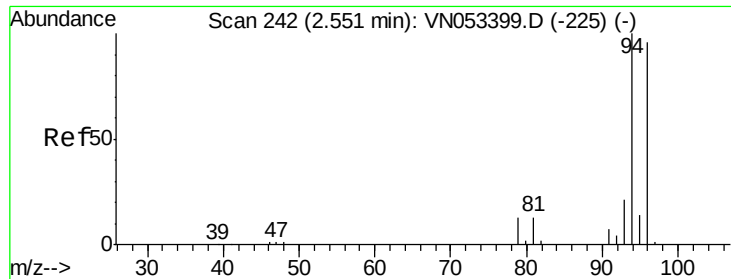
Tgt Ion: 62 Resp: 501078

Ion Ratio Lower Upper

62 100

64 32.6 25.6 38.4





#5

Bromomethane

Concen: 46.902 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

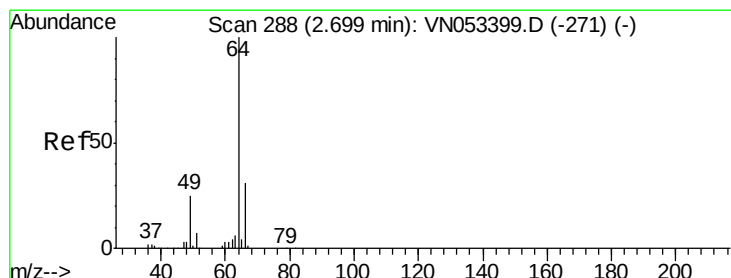
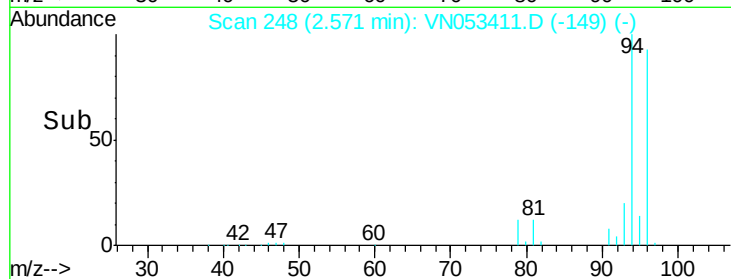
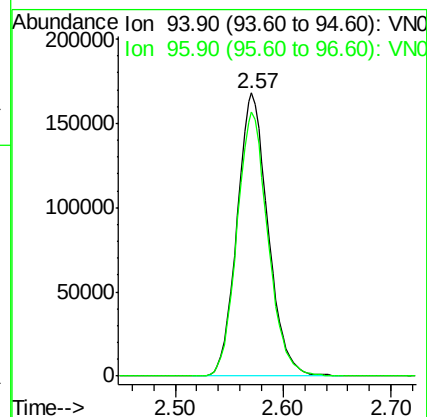
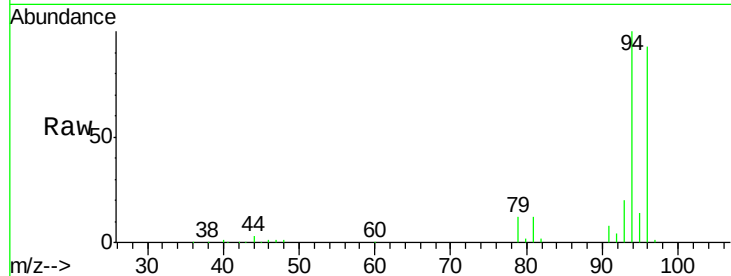
VSTDCCC050EC

Tot Ion: 94 Resp: 333454

Ion Ratio Lower Upper

94 100

96 93.2 74.9 112.3



#6

Chloroethane

Concen: 47.965 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053411.D

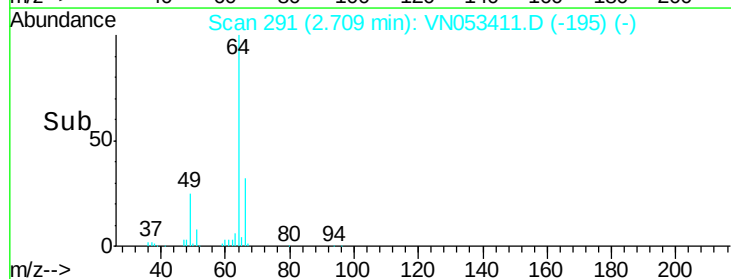
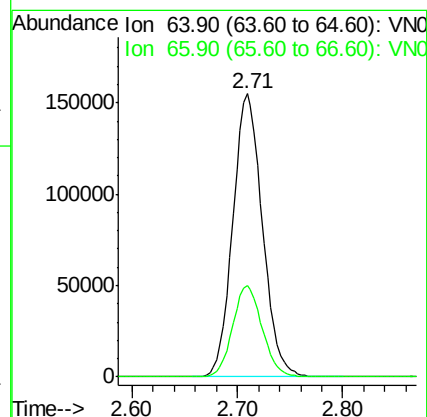
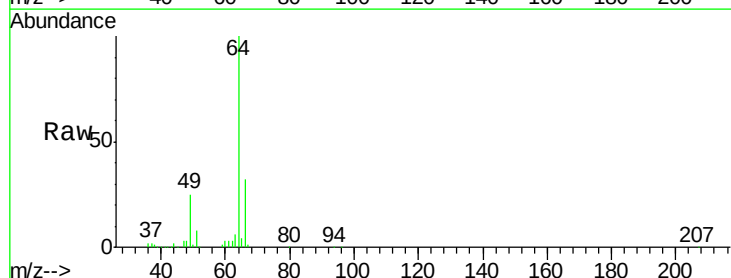
Acq: 15 Jan 2019 16:41

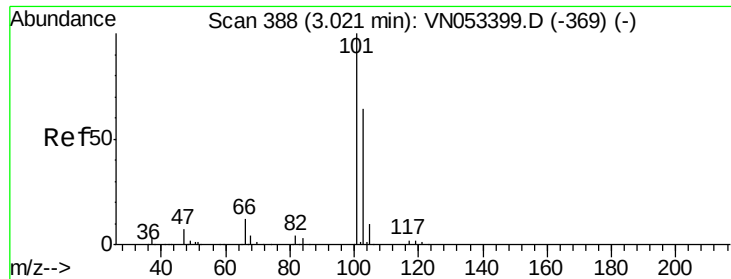
Tgt Ion: 64 Resp: 300478

Ion Ratio Lower Upper

64 100

66 32.2 25.6 38.4



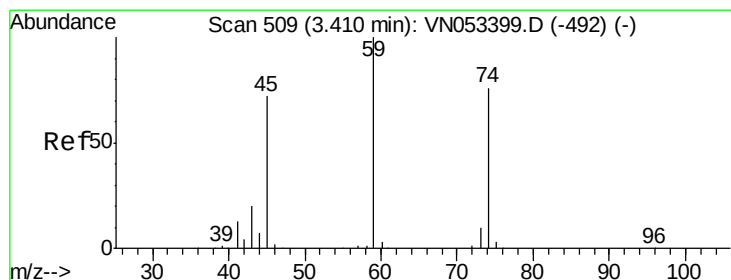
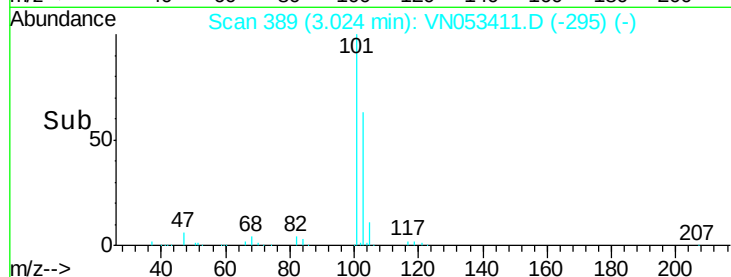
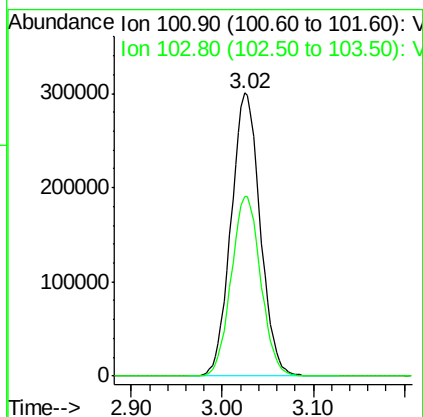
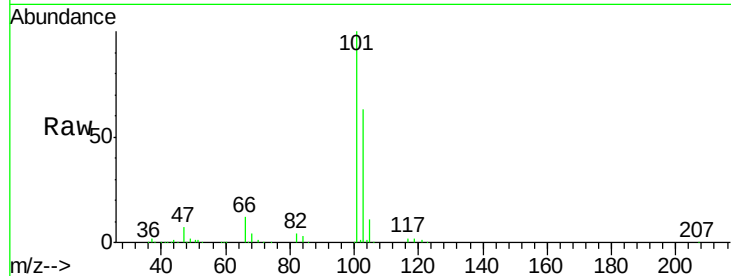


#7

Trichlorofluoromethane
 Concen: 49.279 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053411.D
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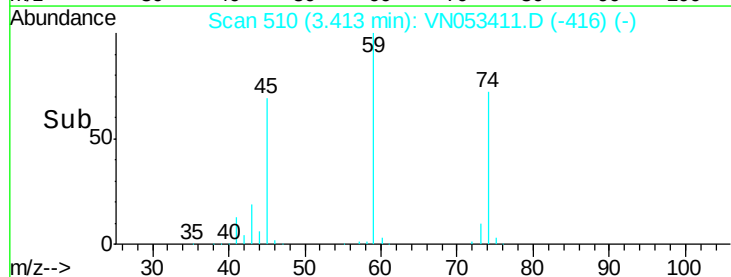
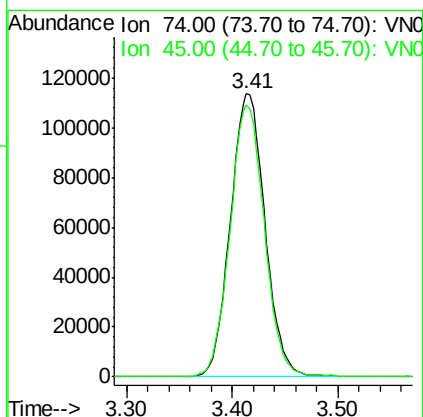
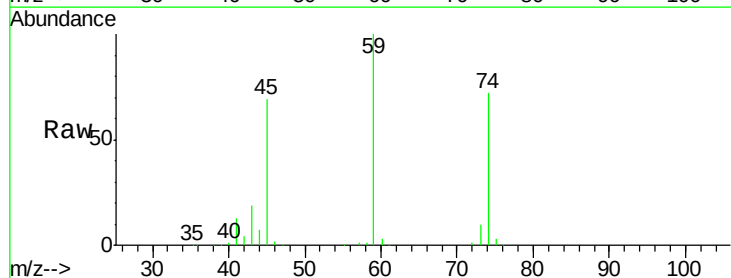
Tot Ion:101 Resp: 667884
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.1 78.1

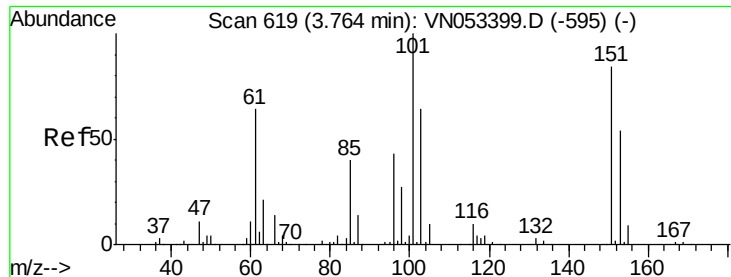


#8

Diethyl Ether
 Concen: 50.746 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 74 Resp: 258314
 Ion Ratio Lower Upper
 74 100
 45 95.1 48.3 144.9

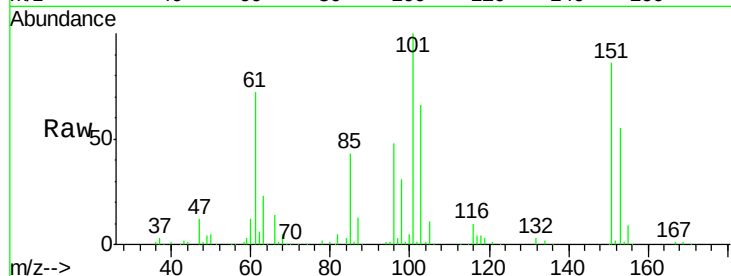




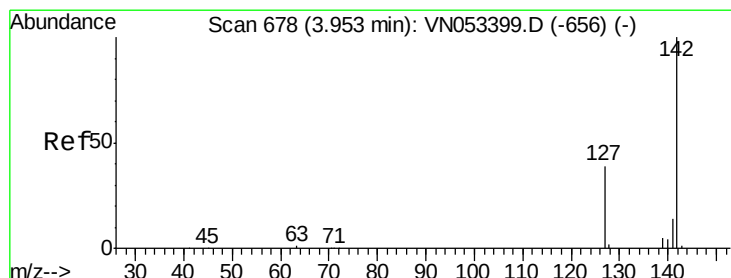
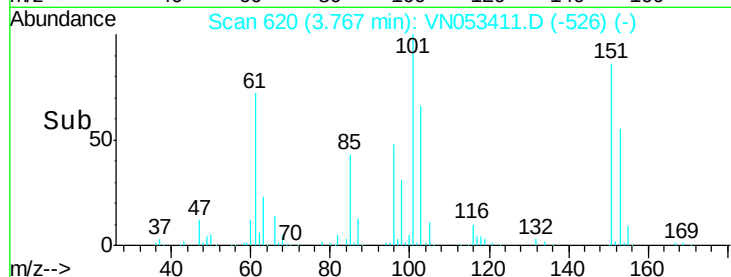
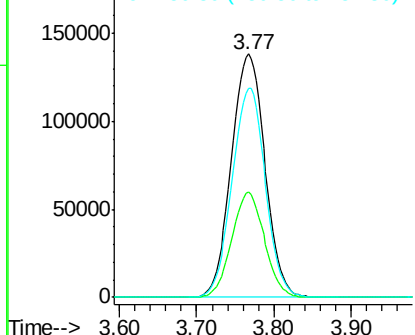
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.615 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 417280
 Ion Ratio Lower Upper
 101 100
 85 41.9 33.3 49.9
 151 85.2 67.0 100.4

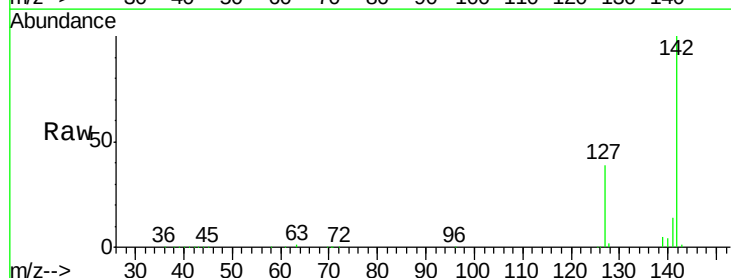


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

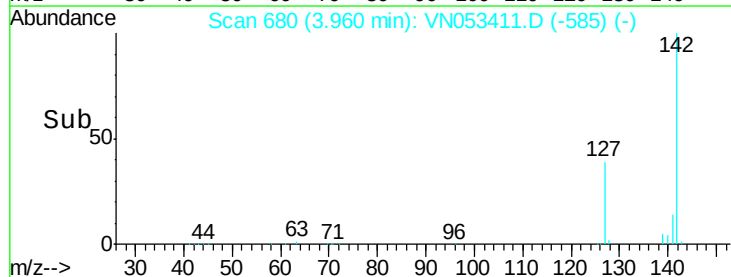
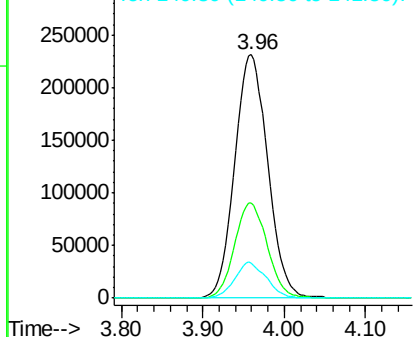


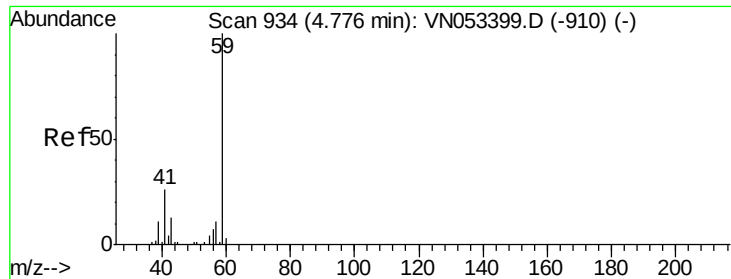
#10
 Methyl Iodide
 Concen: 49.532 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion:142 Resp: 649696
 Ion Ratio Lower Upper
 142 100
 127 38.8 30.9 46.3
 141 14.1 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



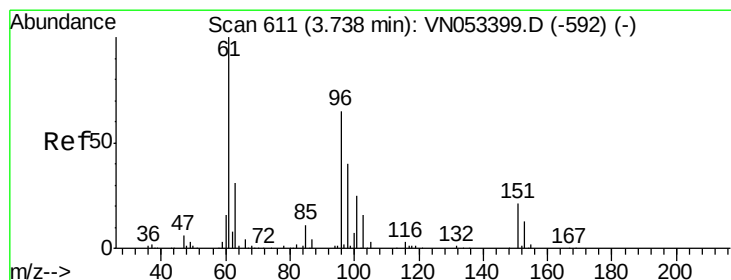
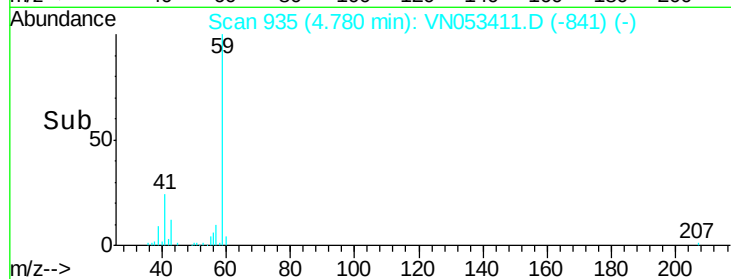
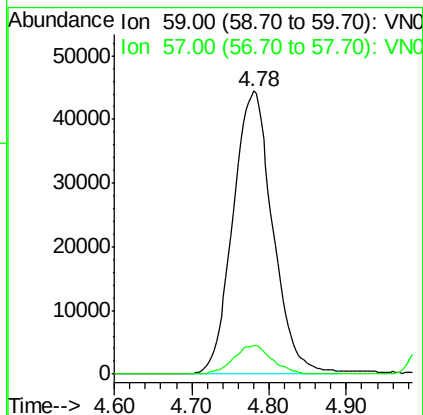
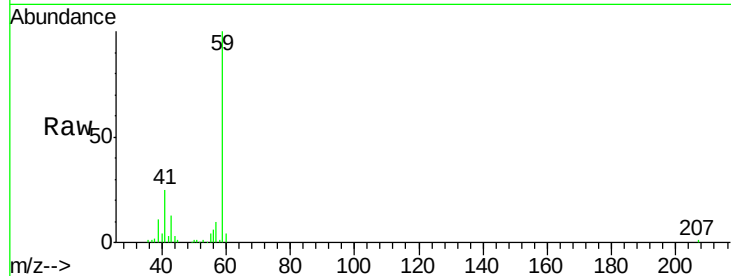


#11

Tert butyl alcohol
 Concen: 351.831 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

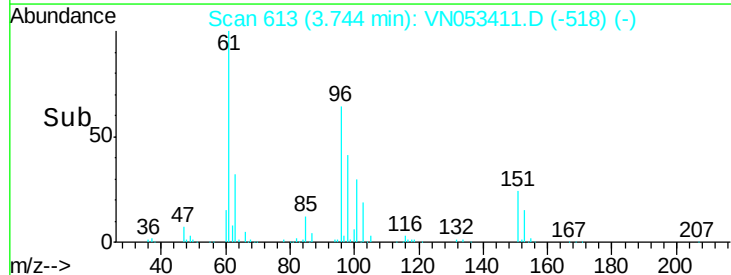
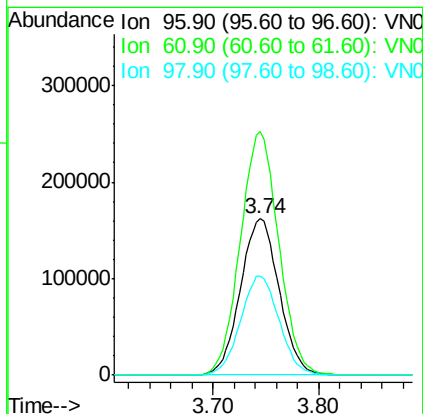
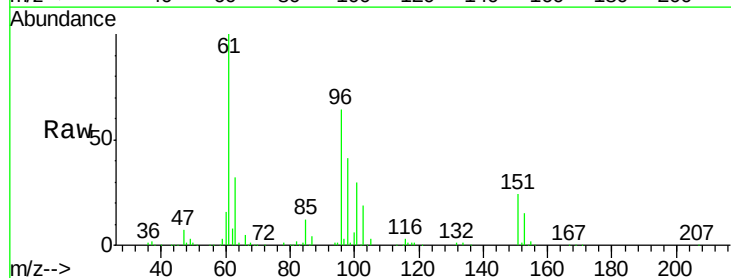
Tot Ion: 59 Resp: 159117
 Ion Ratio Lower Upper
 59 100
 57 9.7 8.0 12.0

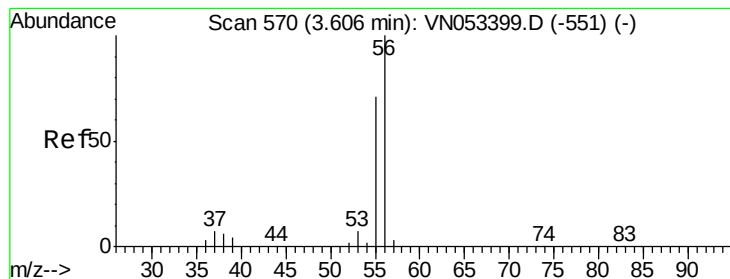


#12

1,1-Dichloroethene
 Concen: 49.713 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 96 Resp: 413878
 Ion Ratio Lower Upper
 96 100
 61 156.0 123.2 184.8
 98 63.7 50.5 75.7





#13

Acrolein

Concen: 282.838 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

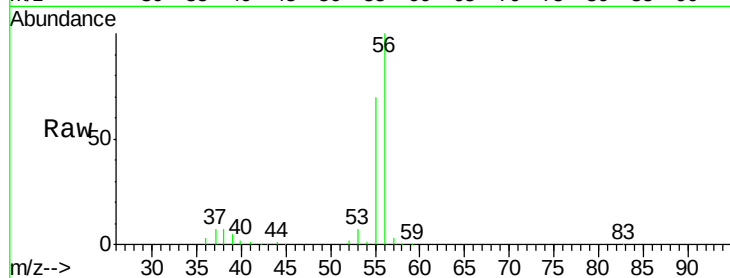
VSTDCCC050EC

Tot Ion: 56 Resp: 252502

Ion Ratio Lower Upper

56 100

55 70.6 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

40000

20000

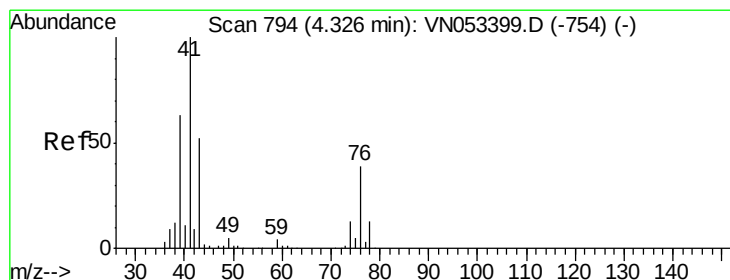
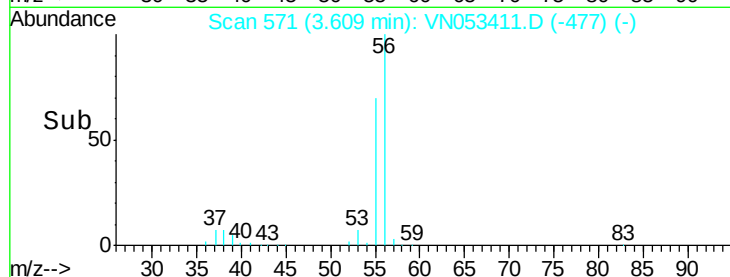
0

3.50

3.60

3.70

Time-->



#14

Allyl chloride

Concen: 51.810 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

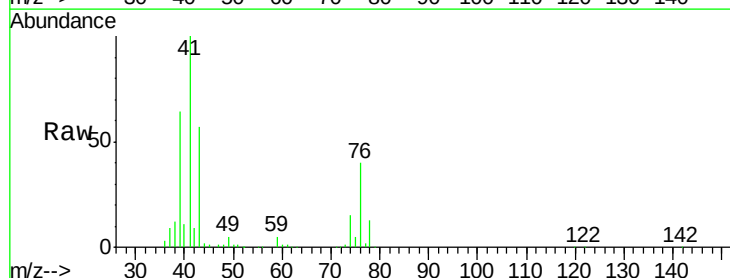
Tgt Ion: 41 Resp: 700629

Ion Ratio Lower Upper

41 100

39 60.7 51.9 77.9

76 36.5 31.2 46.8



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

300000

200000

100000

0

4.10

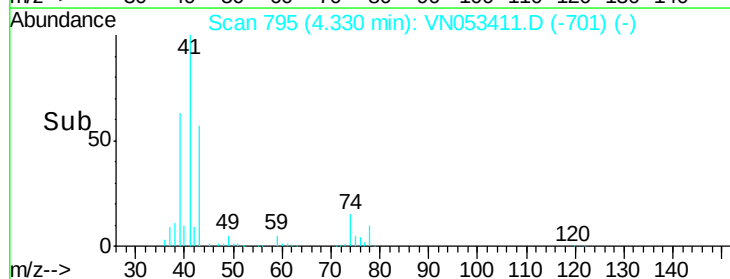
4.20

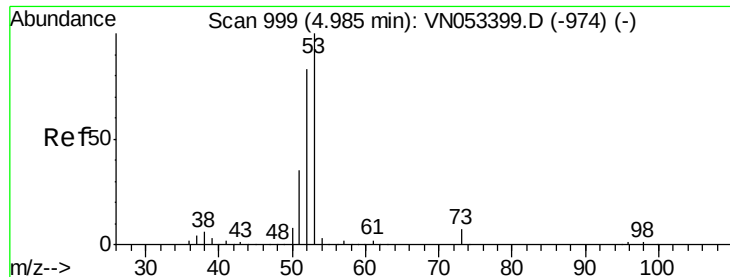
4.30

4.40

4.50

Time-->





#15

Acrylonitrile

Concen: 283.253 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

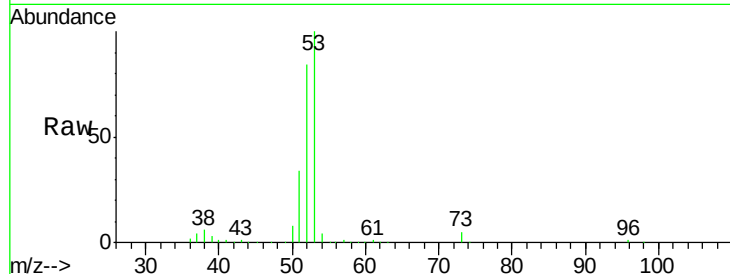
Tot Ion: 53 Resp: 843055

Ion Ratio Lower Upper

53 100

52 82.0 65.2 97.8

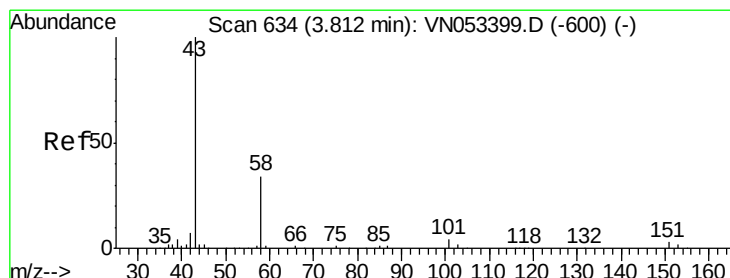
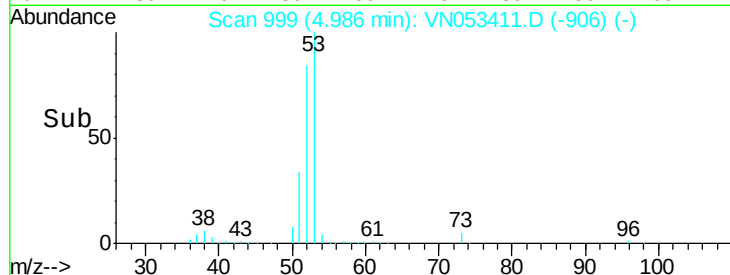
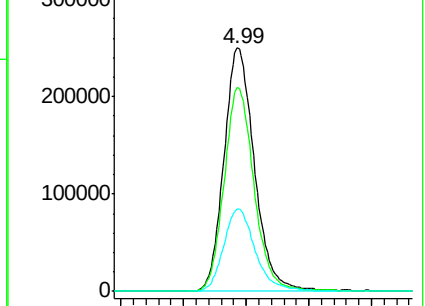
51 35.3 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 280.688 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053411.D

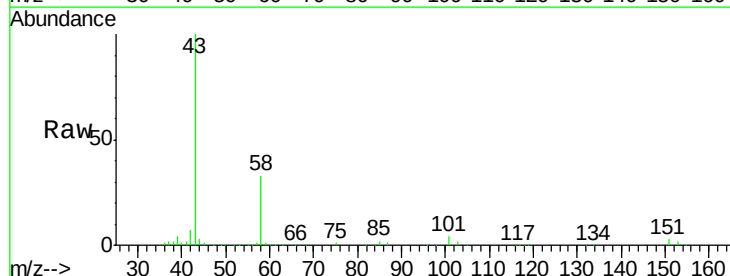
Acq: 15 Jan 2019 16:41

Tgt Ion: 43 Resp: 608661

Ion Ratio Lower Upper

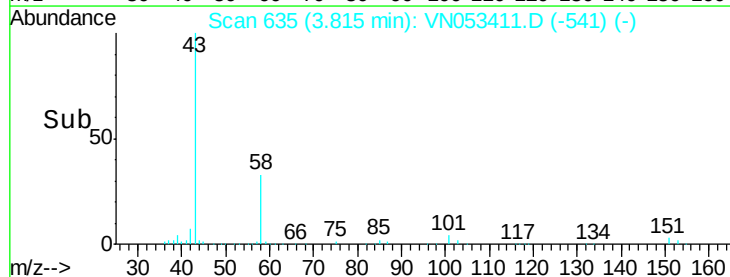
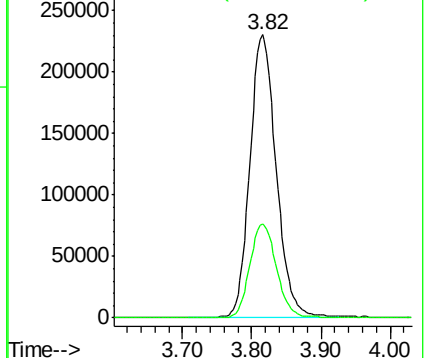
43 100

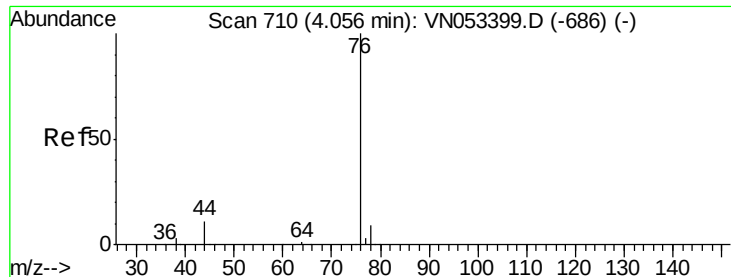
58 33.4 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

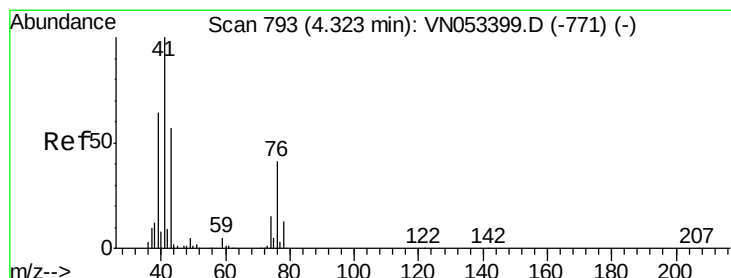
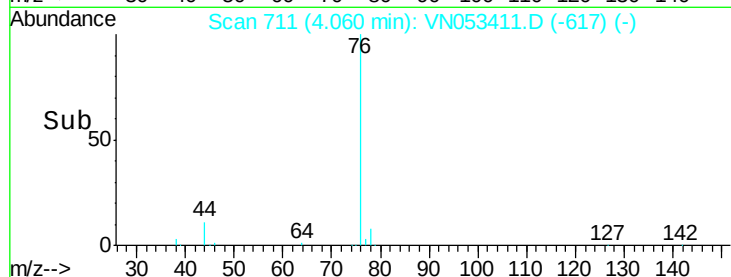
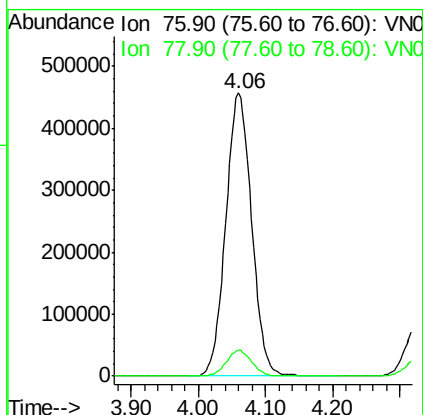
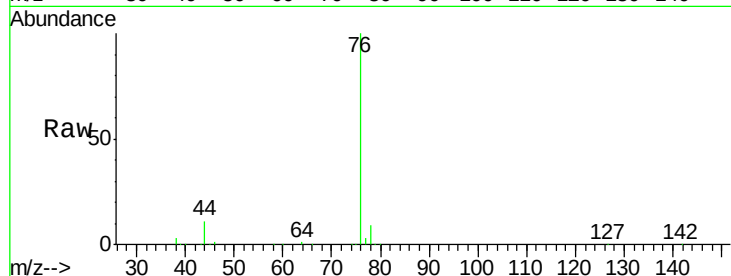




#17
Carbon Disulfide
Concen: 48.464 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

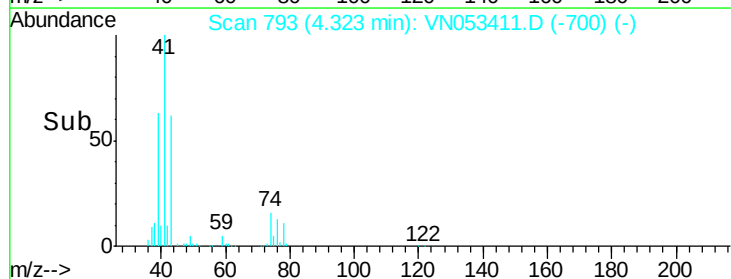
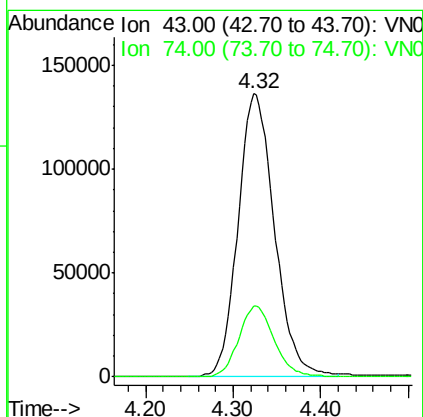
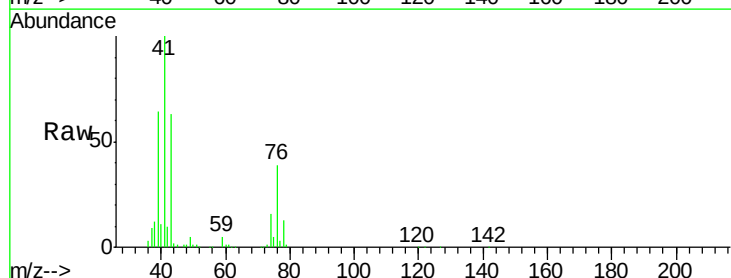
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

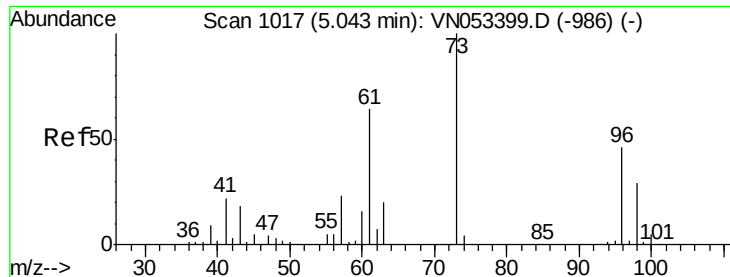
Tot Ion: 76 Resp: 1220149
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8



#18
Methyl Acetate
Concen: 53.585 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 43 Resp: 391483
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8

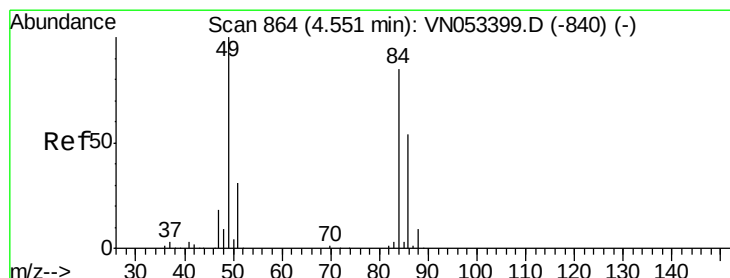
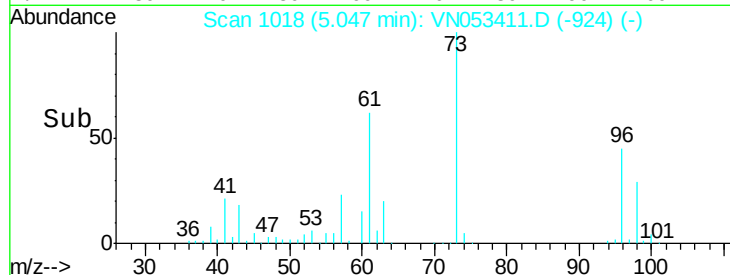
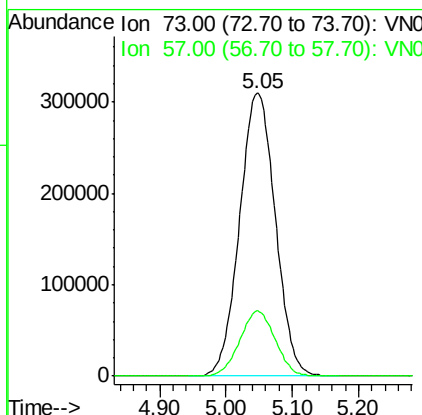
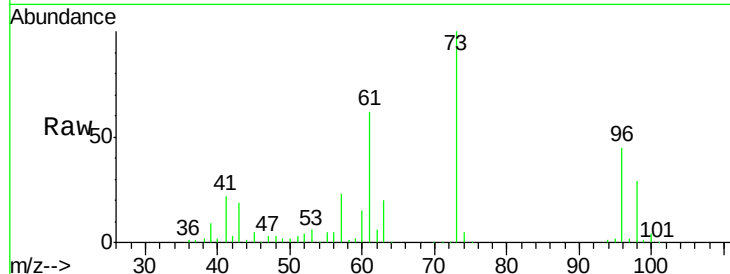




#19
Methyl tert-butyl Ether
Concen: 52.491 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

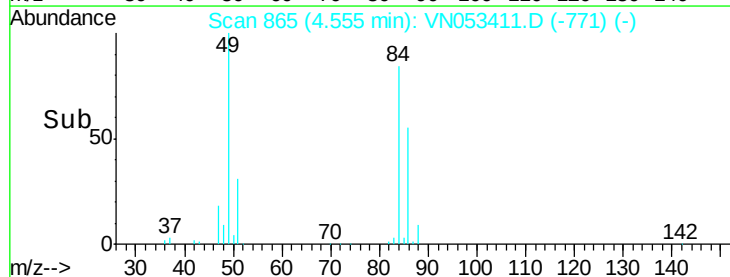
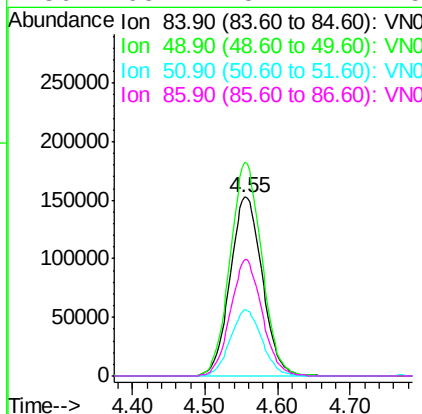
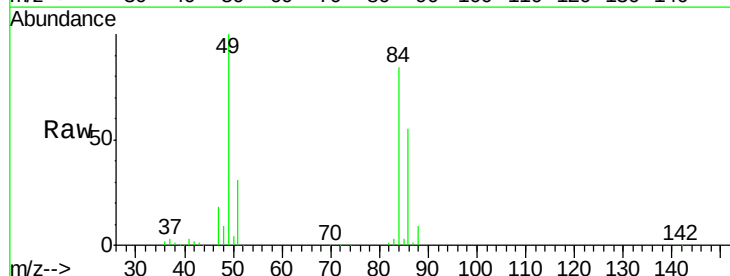
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

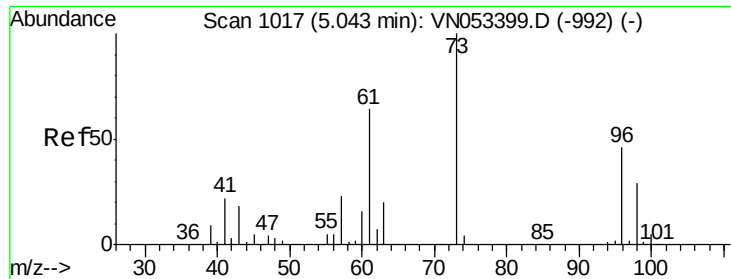
Tot Ion: 73 Resp: 1161132
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7



#20
Methylene Chloride
Concen: 47.752 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 84 Resp: 472752
Ion Ratio Lower Upper
84 100
49 119.3 95.3 142.9
51 36.9 29.0 43.6
86 65.2 51.7 77.5

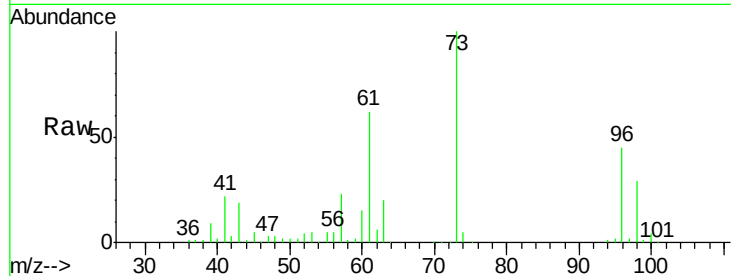




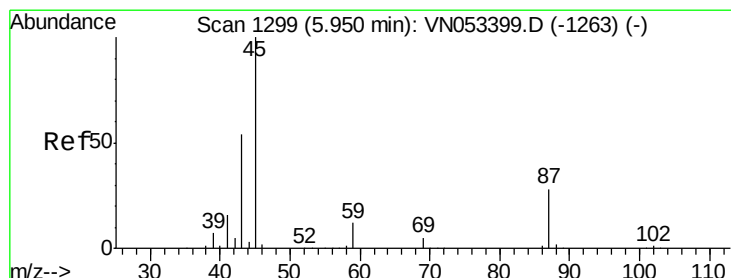
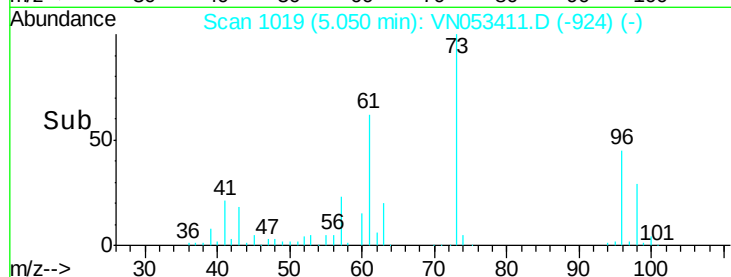
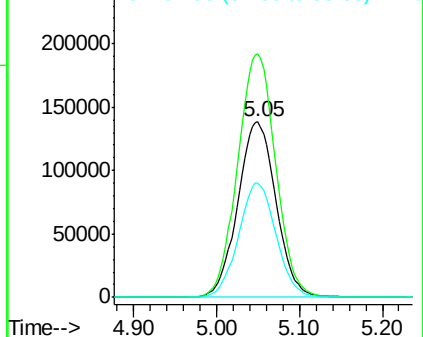
#21
trans-1,2-Dichloroethene
Concen: 49.891 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 444062
Ion Ratio Lower Upper
96 100
61 138.9 110.2 165.4
98 65.1 50.7 76.1

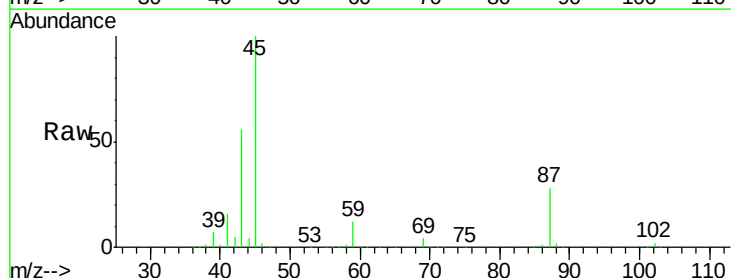


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

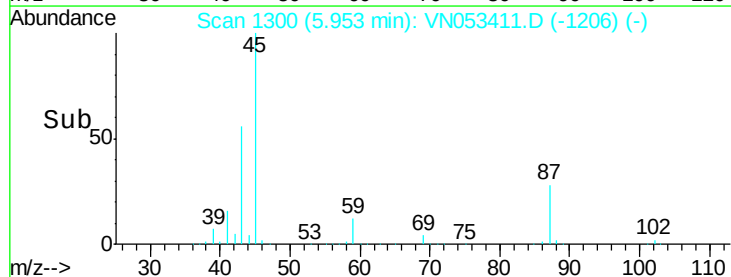
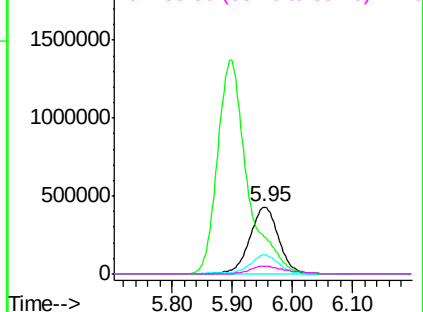


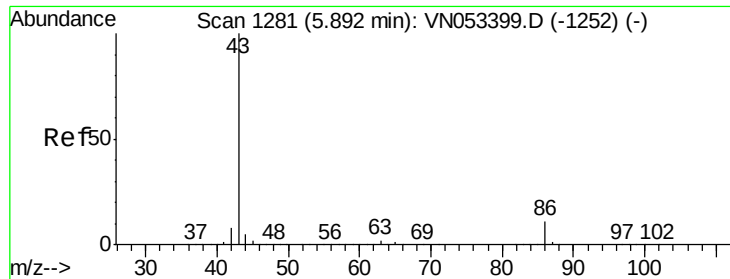
#22
Diisopropyl ether
Concen: 50.863 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 45 Resp: 1435900
Ion Ratio Lower Upper
45 100
43 55.8 43.0 64.6
87 28.2 22.1 33.1
59 11.7 9.0 13.4



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: 270.700 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.01 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

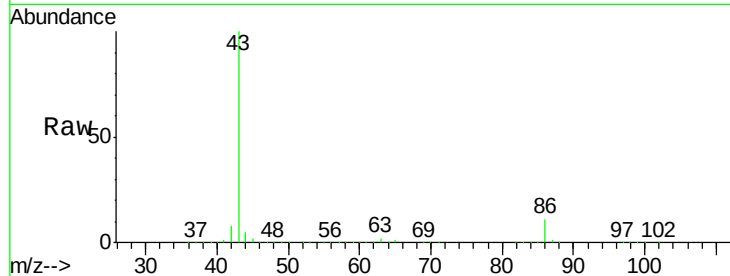
VSTDCCC050EC

Tot Ion: 43 Resp: 4697632

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

1500000

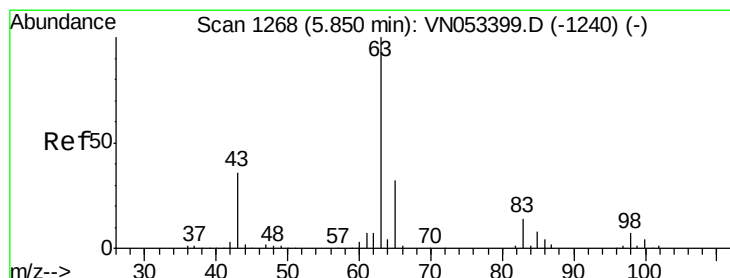
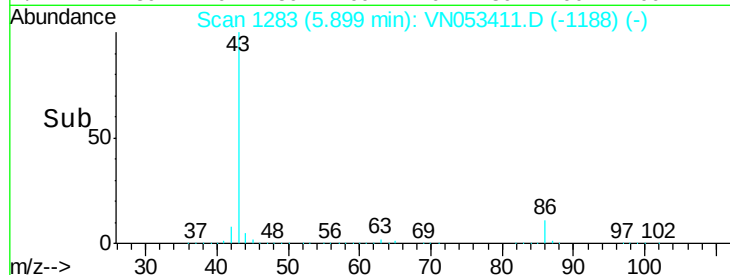
1000000

500000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 49.927 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

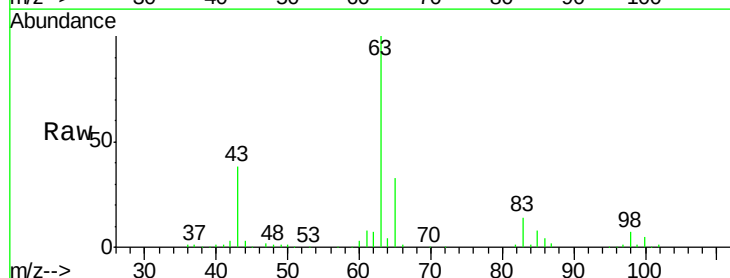
Tgt Ion: 63 Resp: 833225

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

300000

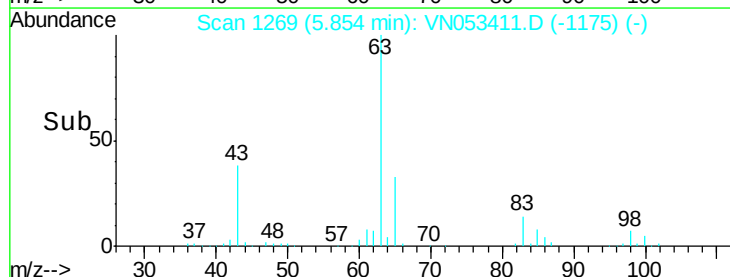
200000

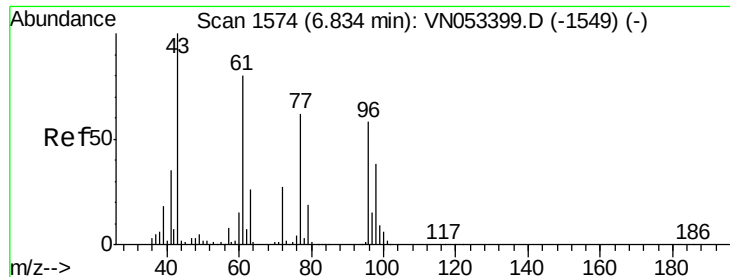
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 292.301 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

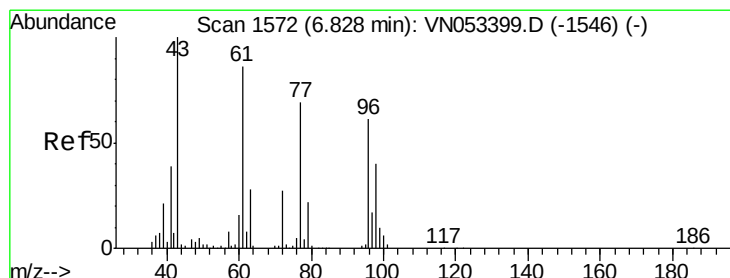
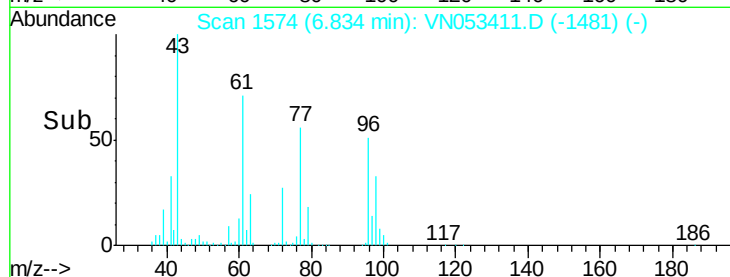
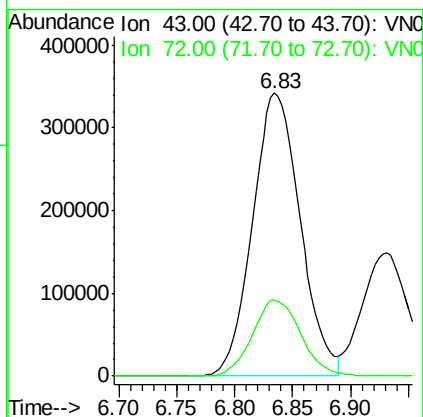
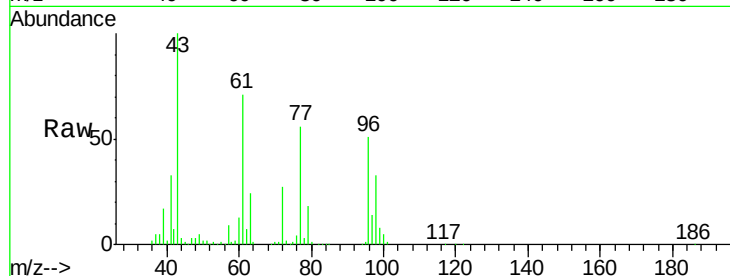
VSTDCCC050EC

Tot Ion: 43 Resp: 976760

Ion Ratio Lower Upper

43 100

72 26.9 22.0 33.0



#26

2,2-Dichloropropane

Concen: 50.356 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053411.D

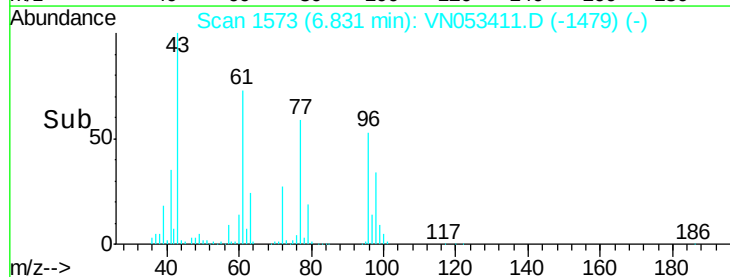
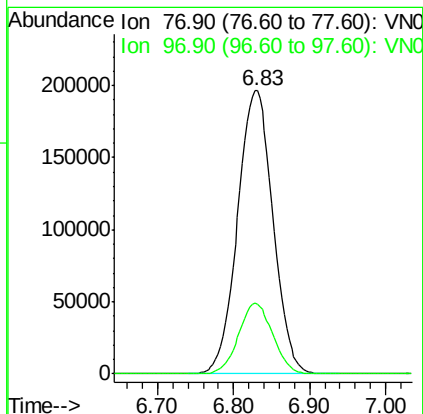
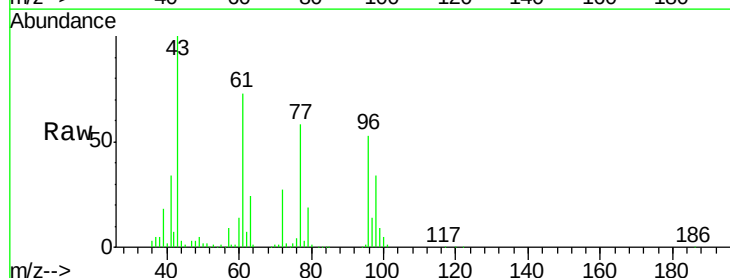
Acq: 15 Jan 2019 16:41

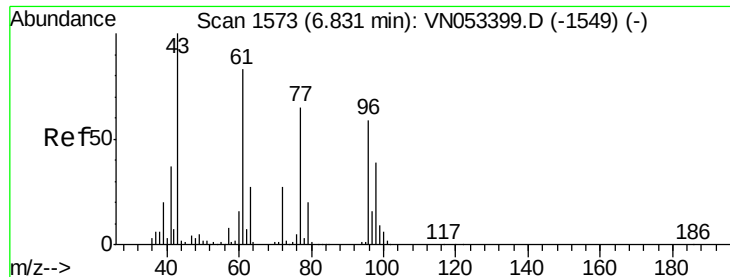
Tgt Ion: 77 Resp: 634502

Ion Ratio Lower Upper

77 100

97 24.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 50.319 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

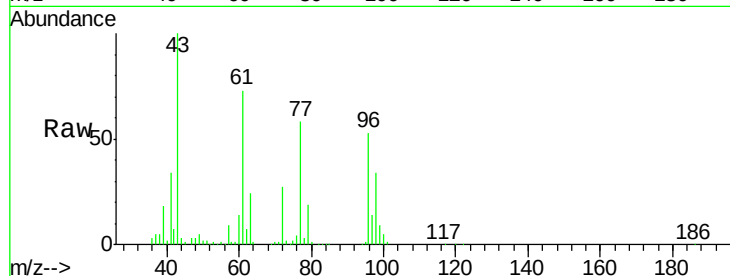
Tot Ion: 96 Resp: 512134

Ion Ratio Lower Upper

96 100

61 141.4 0.0 280.6

98 64.7 0.0 127.6

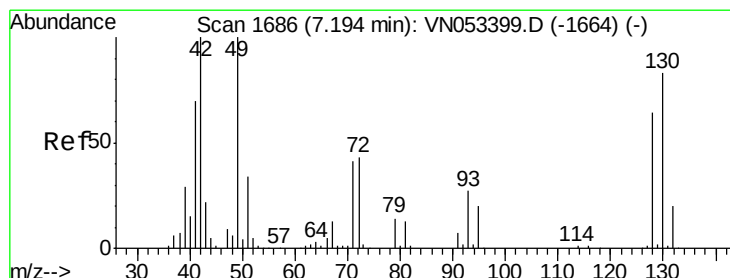
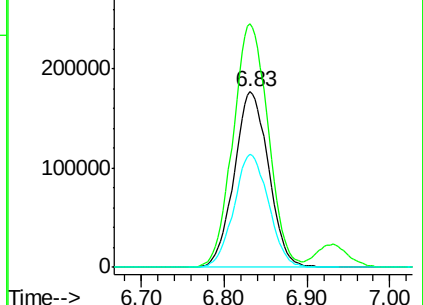
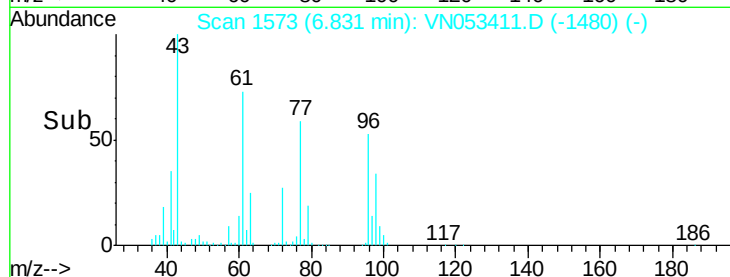


Abundance Ion 95.90 (95.60 to 96.60): VN053411.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053411.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053411.D (-1549) (-)

Time-->



#28

Bromochloromethane

Concen: 49.176 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

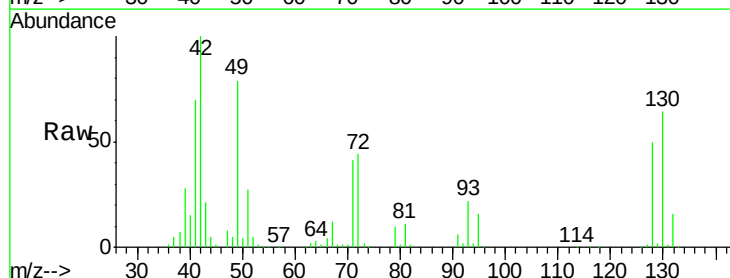
Tgt Ion: 49 Resp: 361547

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

130 81.9 65.4 98.0

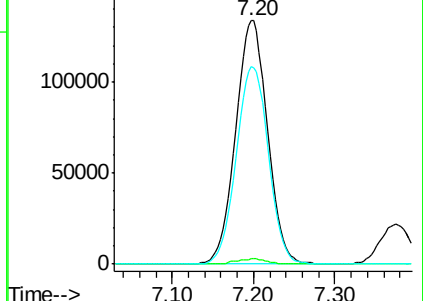
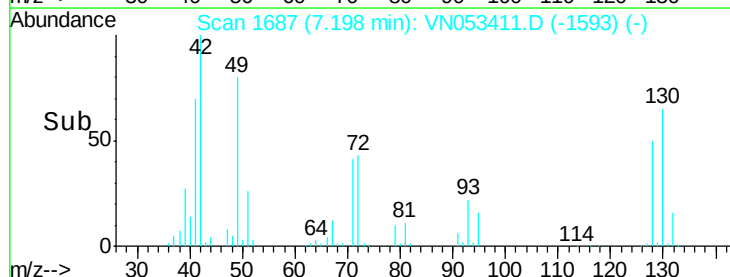


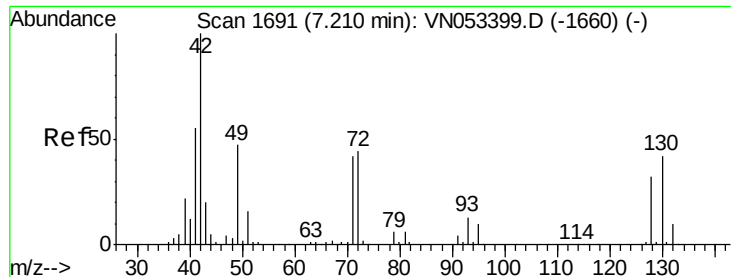
Abundance Ion 48.90 (48.60 to 49.60): VN053411.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053411.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053411.D (-1664) (-)

Time-->





#29

Tetrahydrofuran

Concen: 293.513 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

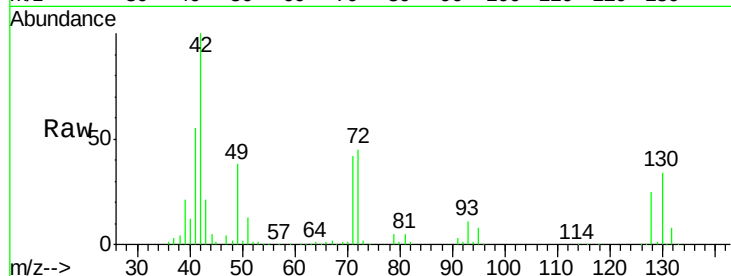
Tot Ion: 42 Resp: 638511

Ion Ratio Lower Upper

42 100

72 44.6 35.6 53.4

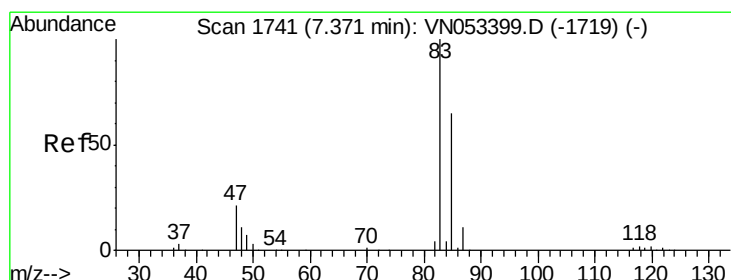
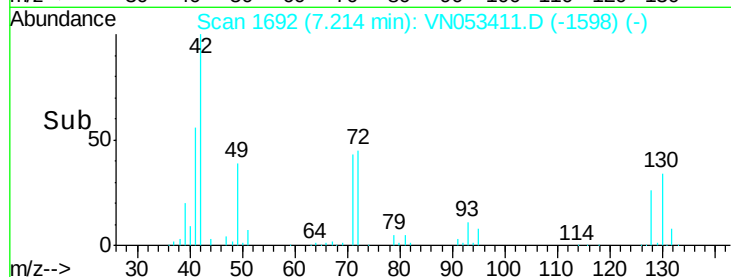
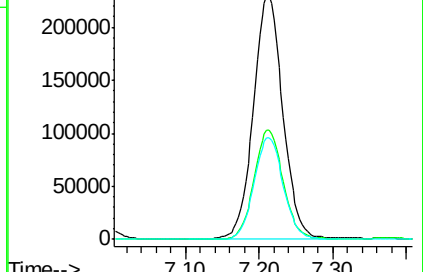
71 41.6 33.8 50.8



Abundance Ion 42.00 (41.70 to 42.70): VN053399.D (-1660) (-)

Ion 72.00 (71.70 to 72.70): VN053399.D (-1660) (-)

Ion 71.00 (70.70 to 71.70): VN053399.D (-1660) (-)



#30

Chloroform

Concen: 50.058 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053411.D

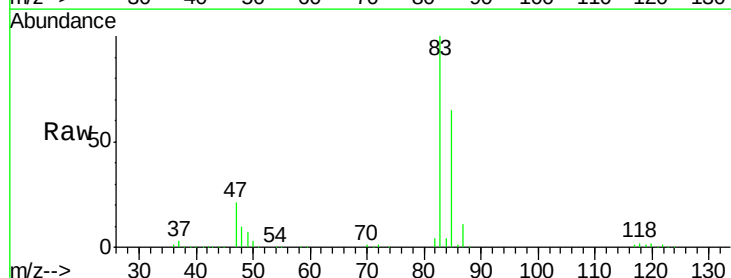
Acq: 15 Jan 2019 16:41

Tgt Ion: 83 Resp: 813953

Ion Ratio Lower Upper

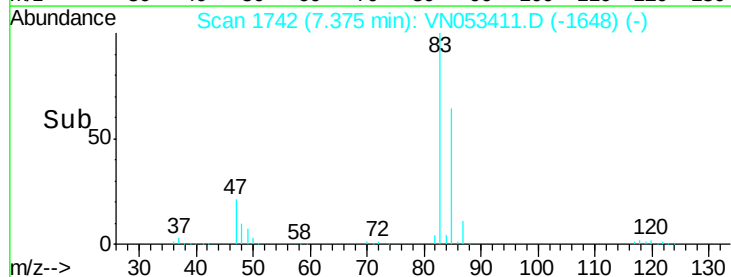
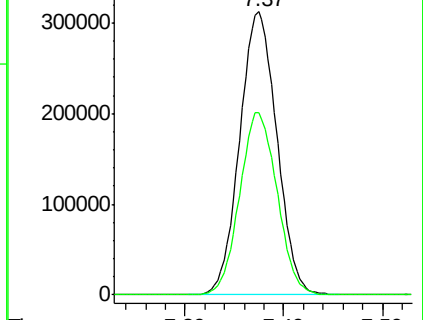
83 100

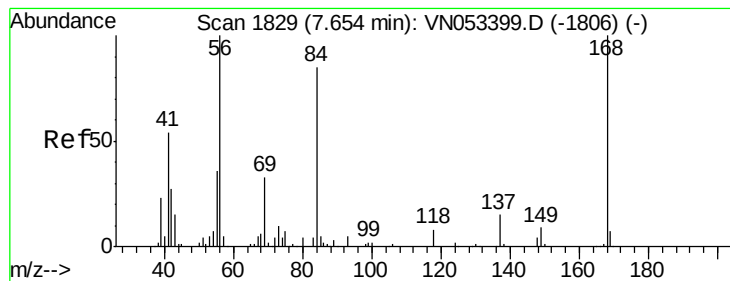
85 64.5 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-1719) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-1719) (-)





#31

Cyclohexane

Concen: 48.135 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

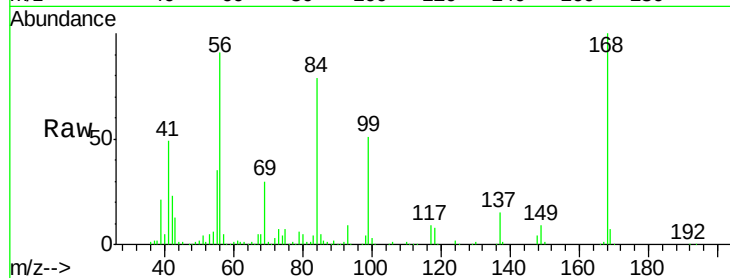
Tot Ion: 56 Resp: 781906

Ion Ratio Lower Upper

56 100

69 33.1 26.7 40.1

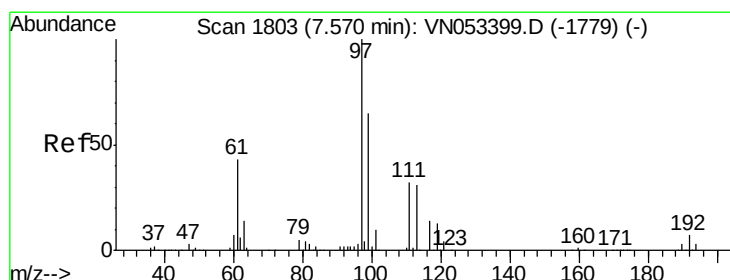
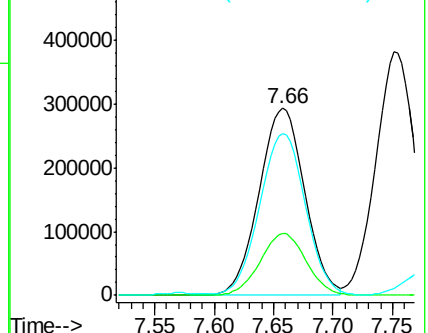
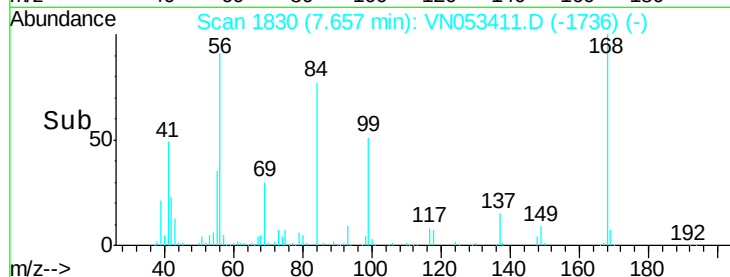
84 85.6 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN053411.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053411.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053411.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 50.002 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

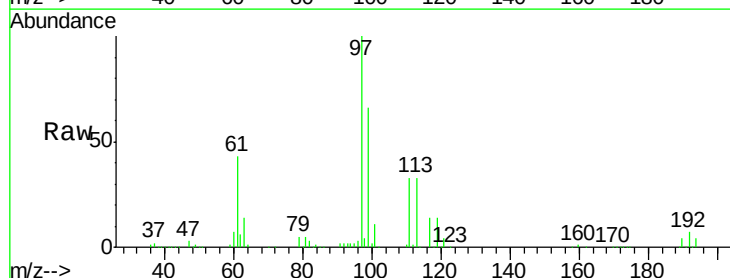
Tgt Ion: 97 Resp: 689696

Ion Ratio Lower Upper

97 100

99 64.9 51.6 77.4

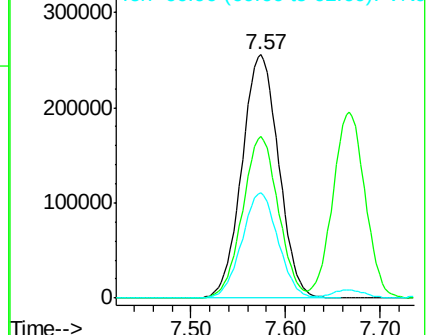
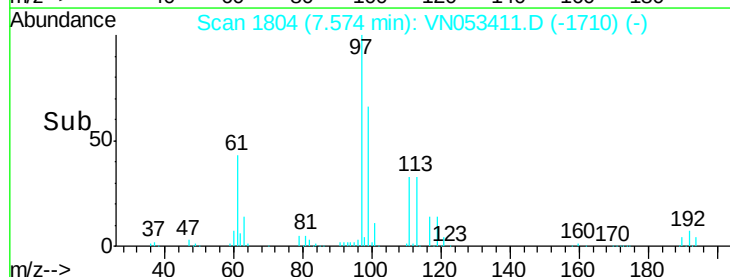
61 42.7 34.6 52.0

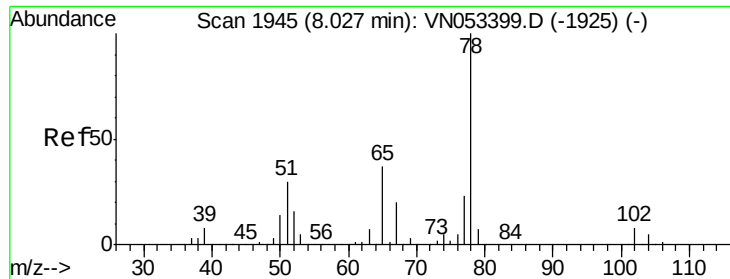


Abundance Ion 96.90 (96.60 to 97.60): VN053411.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053411.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053411.D (-1710) (-)

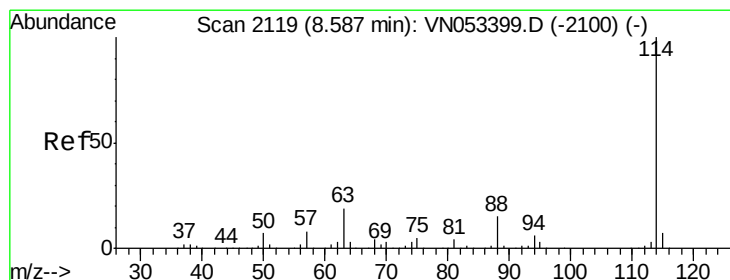
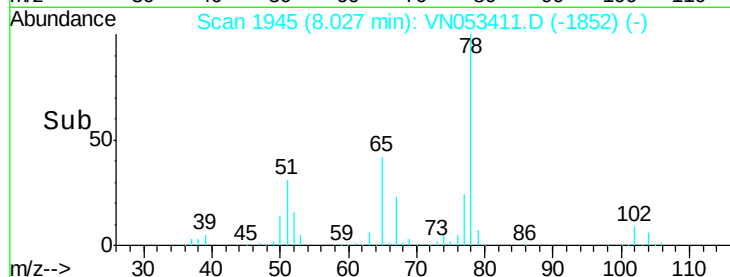
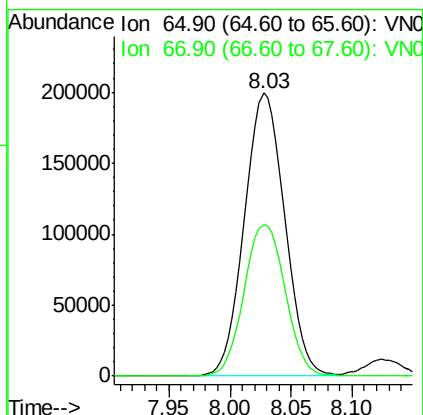
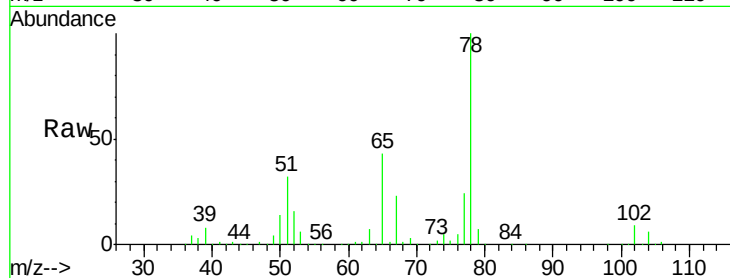




#33
 1,2-Dichloroethane-d4
 Concen: 50.002 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

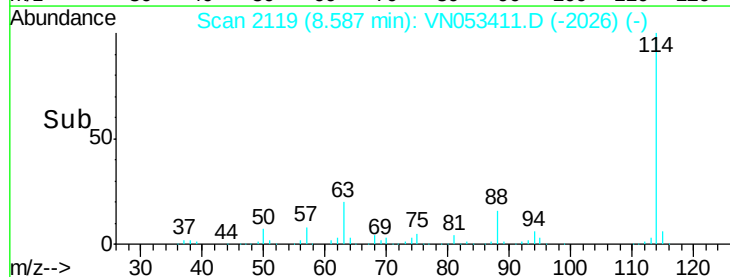
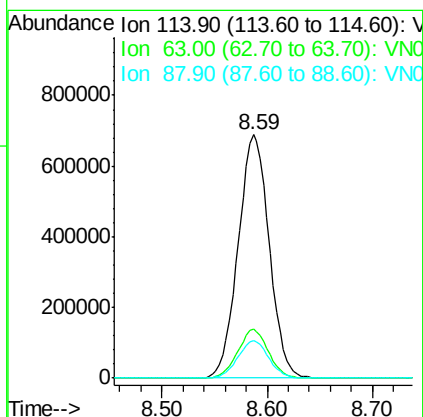
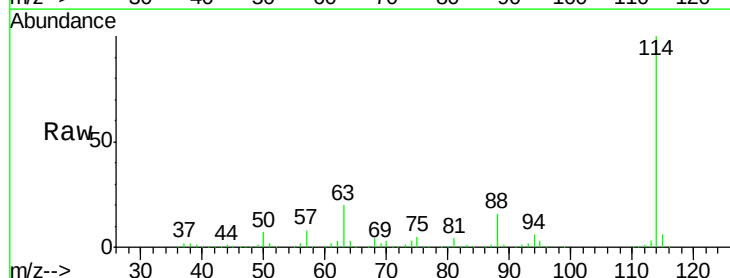
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

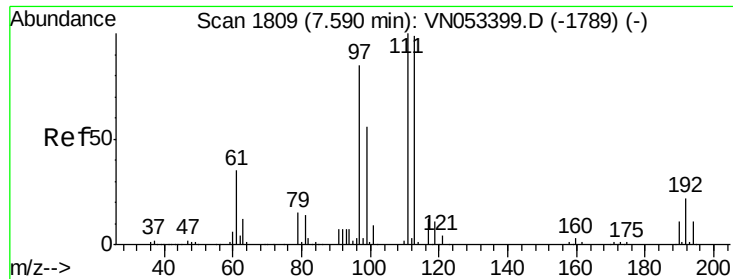
Tot Ion: 65 Resp: 457294
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 114 Resp: 1407916
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.6 0.0 30.8

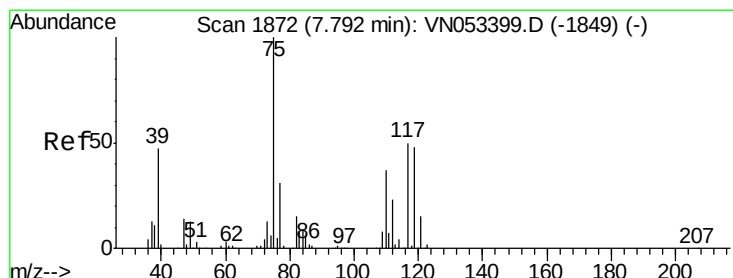
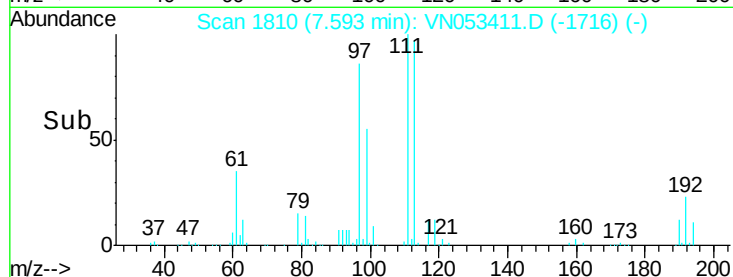
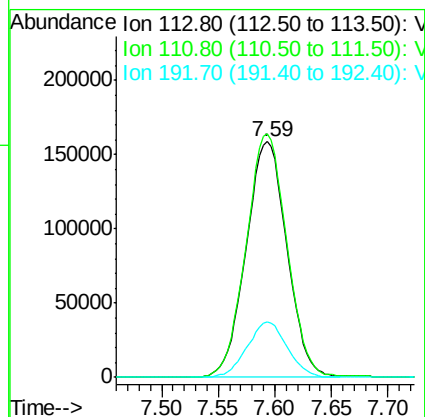
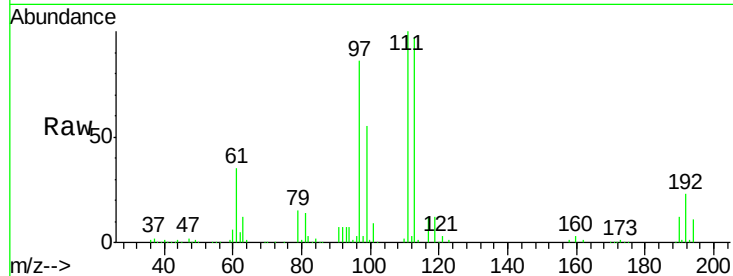




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

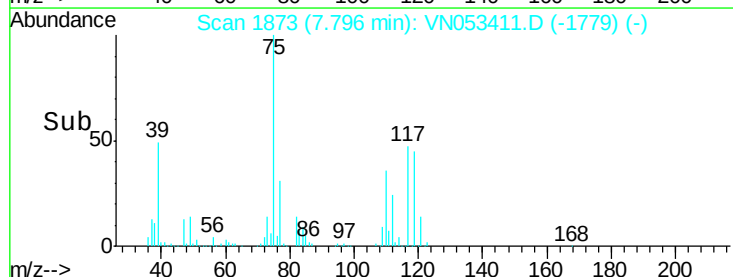
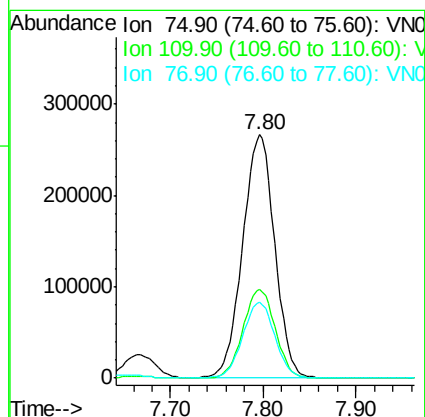
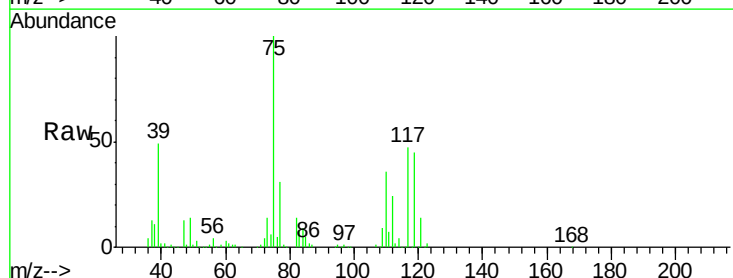
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

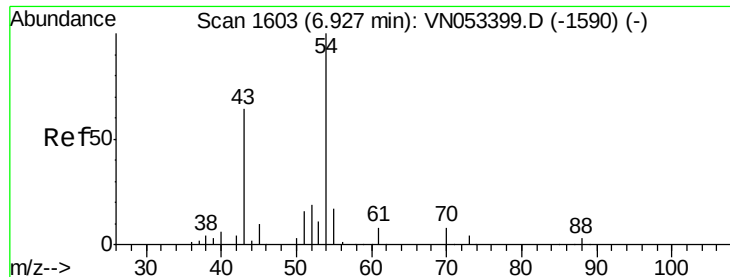
Tot Ion:113 Resp: 399252
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.2
192 23.1 17.9 26.9



#36
1,1-Dichloropropene
Concen: 49.782 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 75 Resp: 638309
Ion Ratio Lower Upper
75 100
110 36.7 18.4 55.0
77 31.4 25.3 37.9

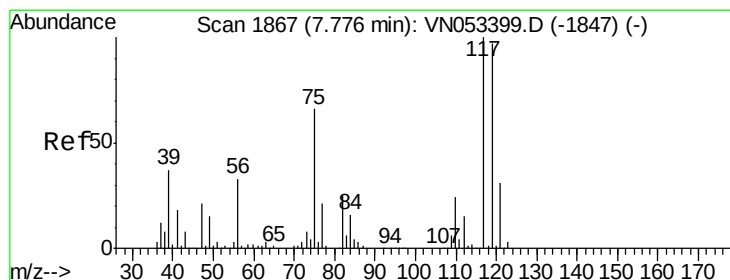
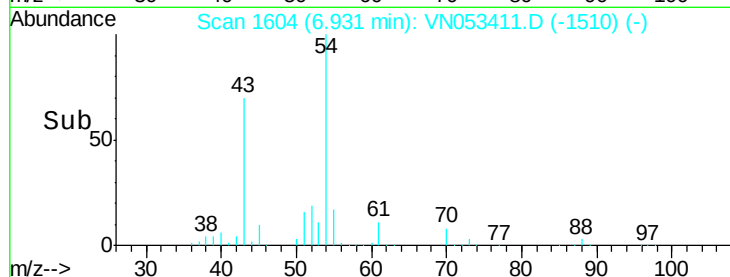
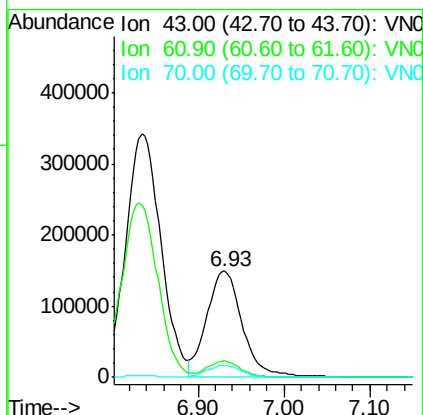
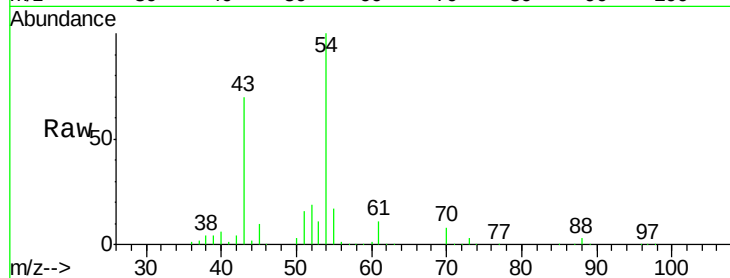




#37
Ethyl Acetate
Concen: 57.291 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

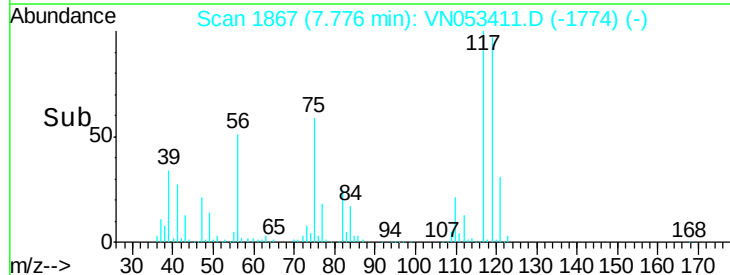
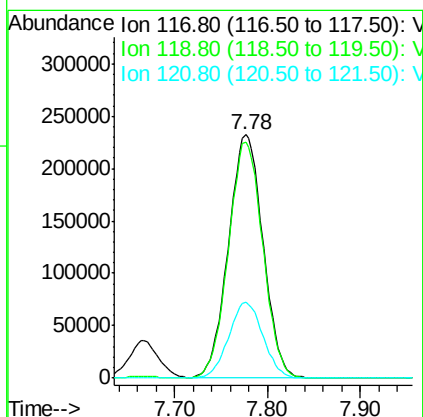
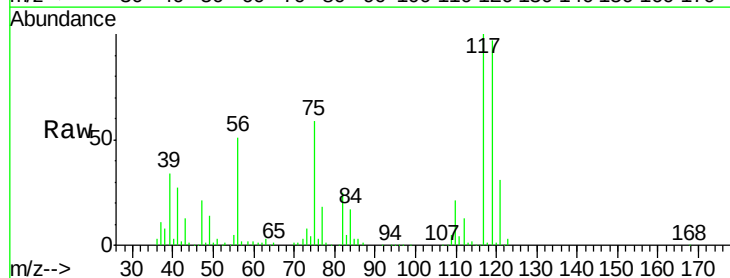
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

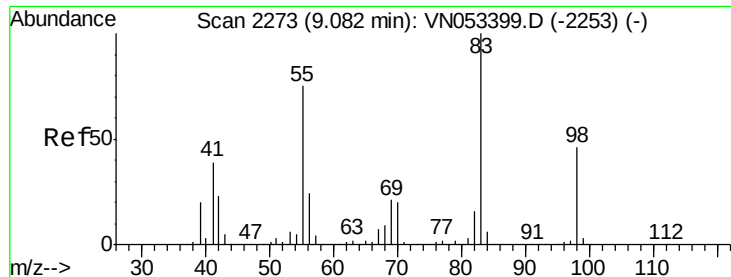
Tot Ion: 43 Resp: 426139
Ion Ratio Lower Upper
43 100
61 14.7 11.9 17.9
70 11.0 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.436 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 117 Resp: 600109
Ion Ratio Lower Upper
117 100
119 97.1 76.6 115.0
121 31.2 25.0 37.4

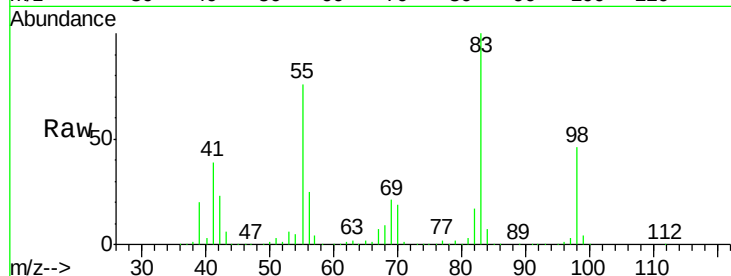




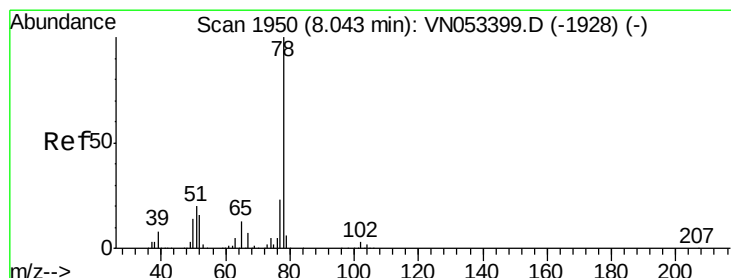
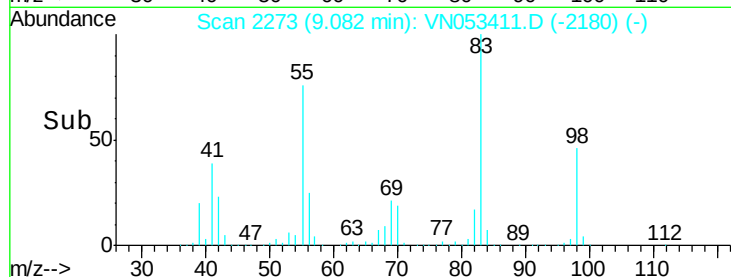
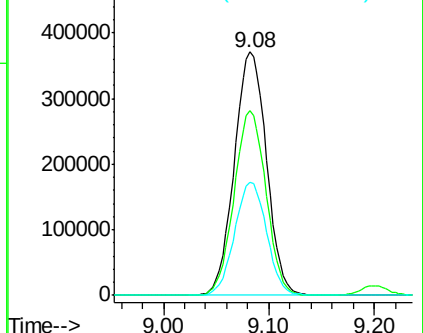
#39
Methylvlcyclohexane
Concen: 49.645 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 786776
Ion Ratio Lower Upper
83 100
55 75.8 60.1 90.1
98 46.5 36.7 55.1

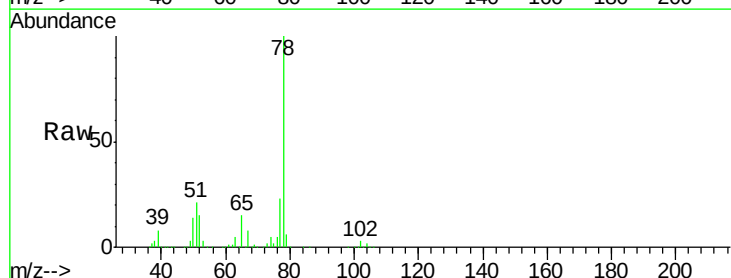


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

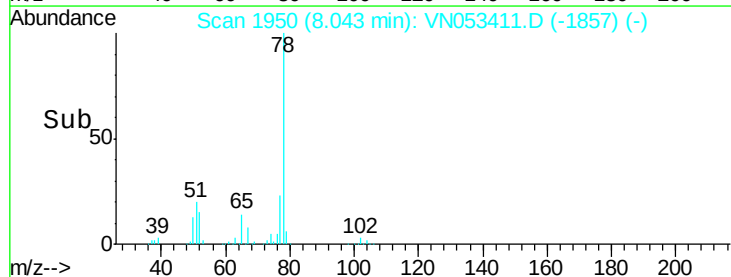
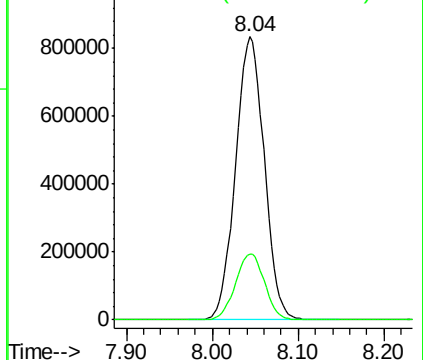


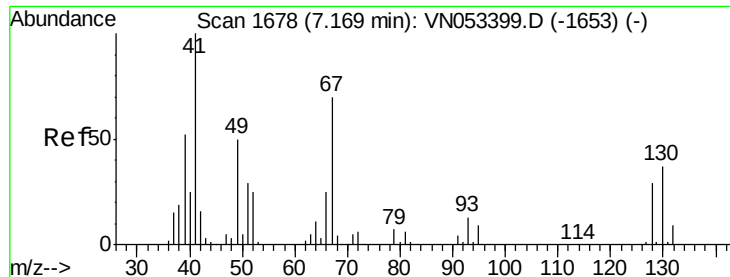
#40
Benzene
Concen: 49.754 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 78 Resp: 1938626
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



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

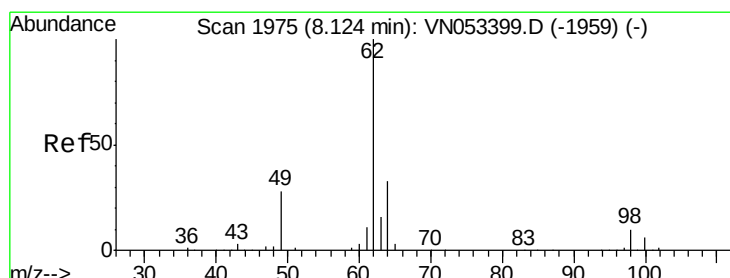
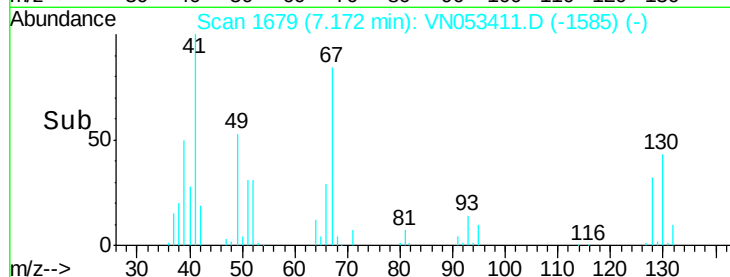
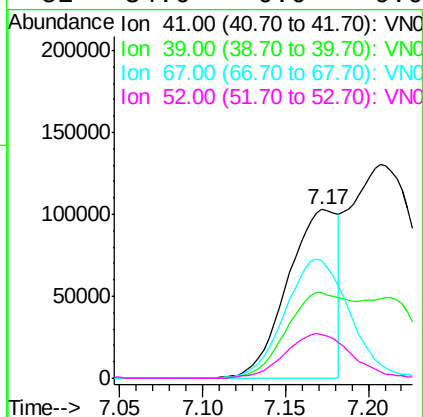
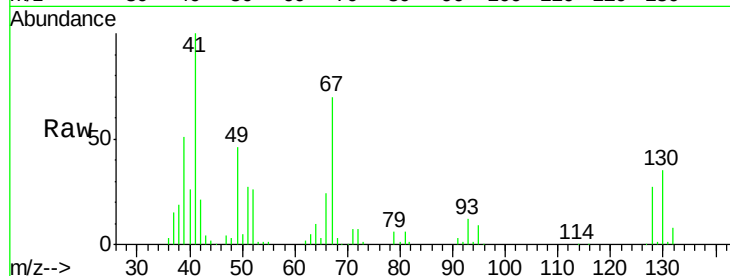




#41
Methacrylonitrile
Concen: 47.019 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

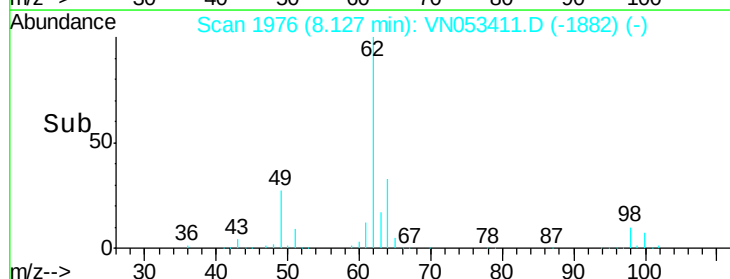
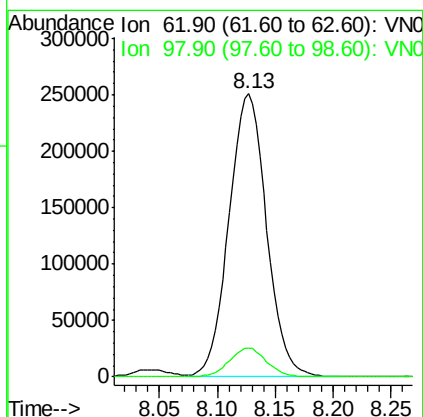
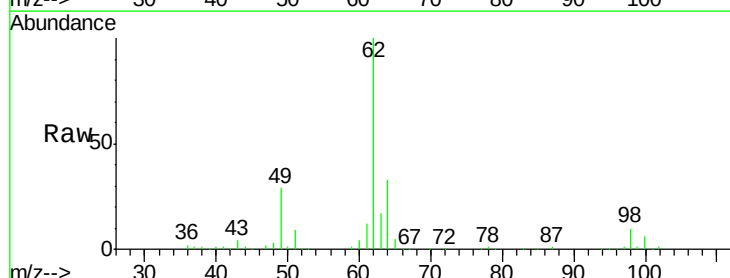
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

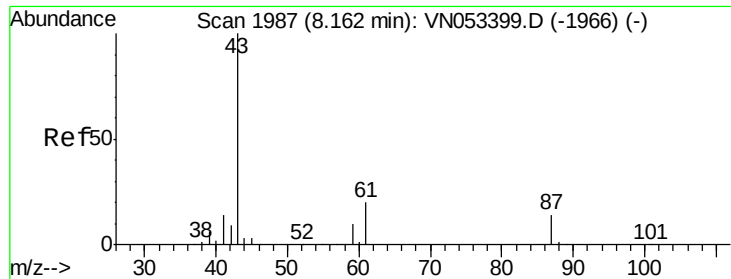
Tot Ion:	41	Resp:	216266
Ion	Ratio	Lower	Upper
41	100		
39	63.9	0.0	0.0#
67	91.4	0.0	0.0#
52	34.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.624 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:	62	Resp:	563299
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.2





#43

Isopropyl Acetate

Concen: 54.483 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

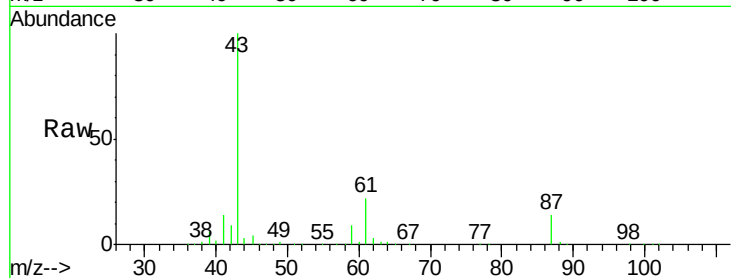
Tot Ion: 43 Resp: 754637

Ion Ratio Lower Upper

43 100

61 29.0 23.3 34.9

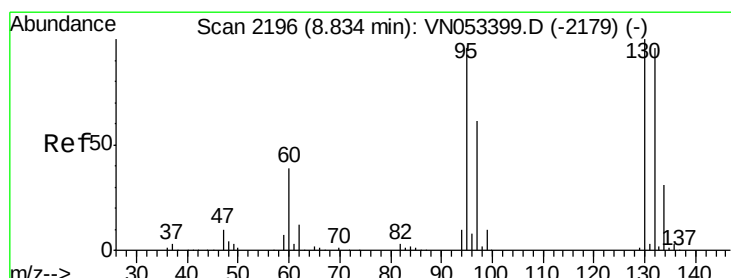
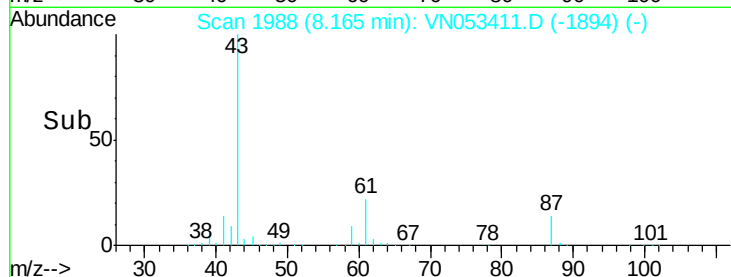
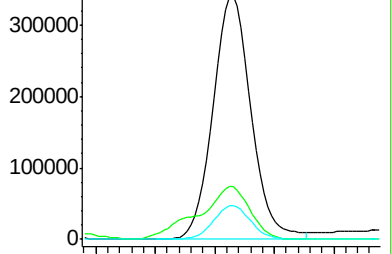
87 13.6 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 49.684 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053411.D

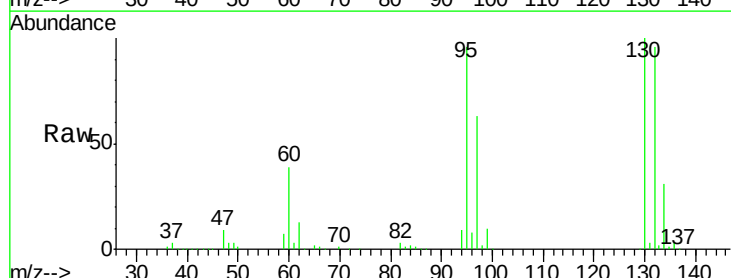
Acq: 15 Jan 2019 16:41

Tgt Ion:130 Resp: 536854

Ion Ratio Lower Upper

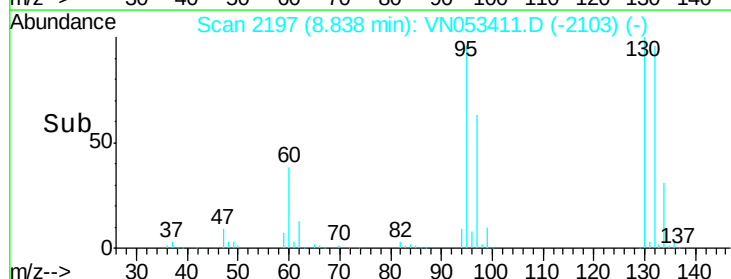
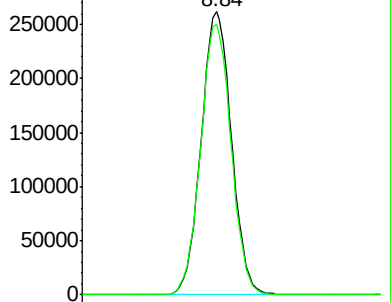
130 100

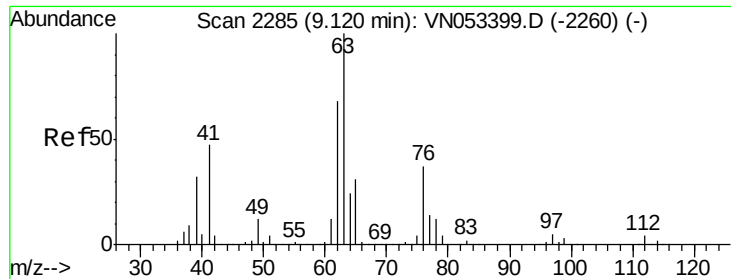
95 95.5 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)

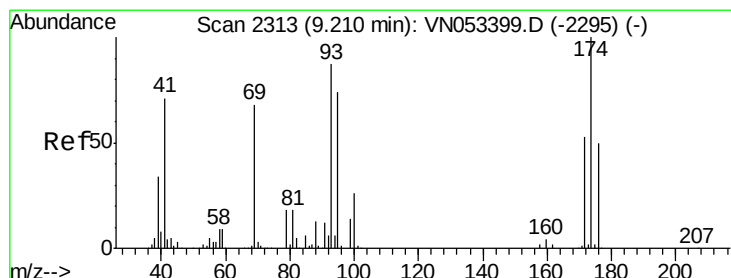
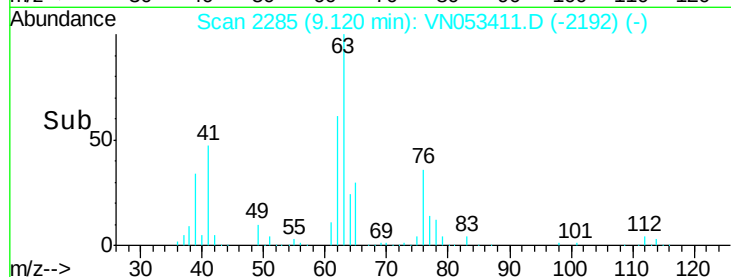
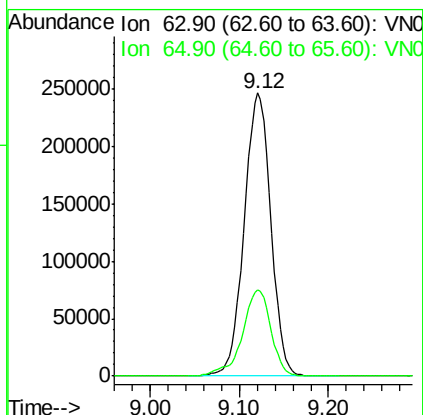
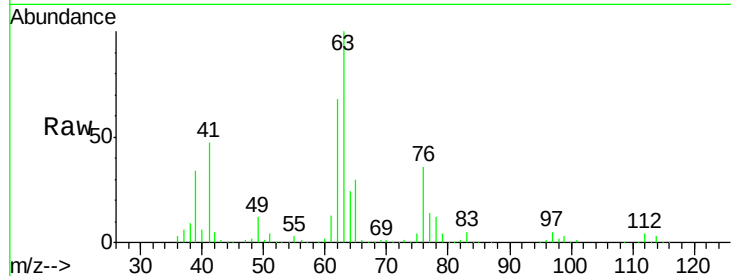




#45
 1,2-Dichloropropane
 Concen: 49.627 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

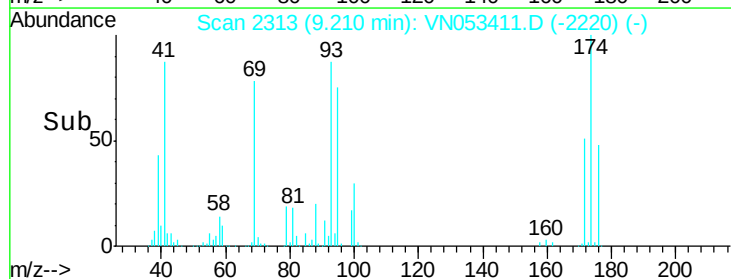
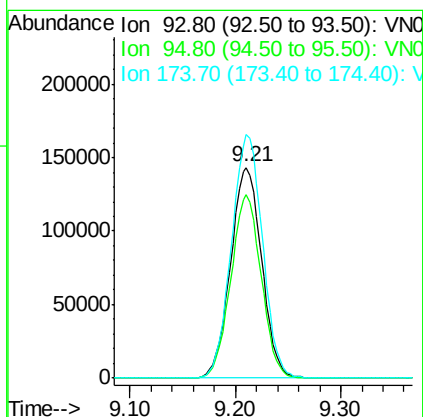
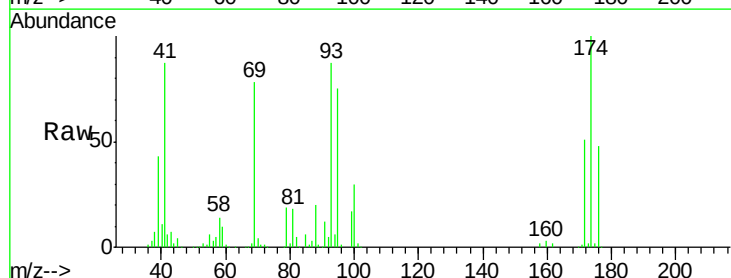
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

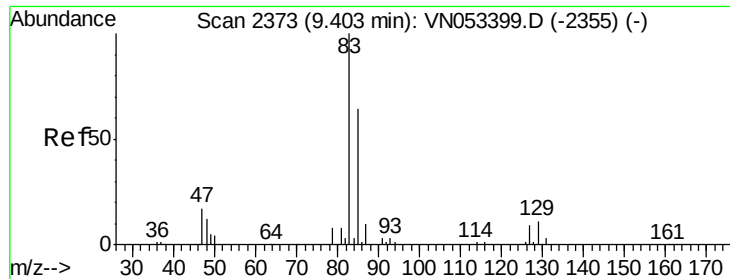
Tot Ion: 63 Resp: 512170
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.0 37.6



#46
 Dibromomethane
 Concen: 49.420 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 93 Resp: 293033
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.6 100.0
 174 115.6 91.4 137.0

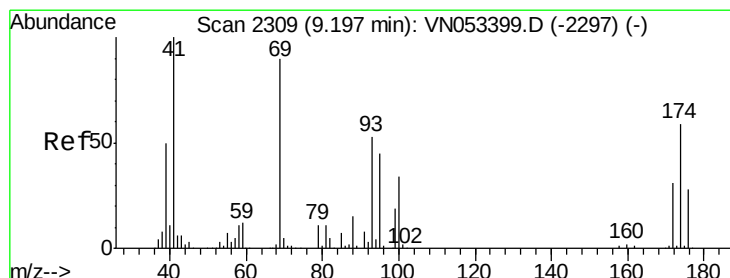
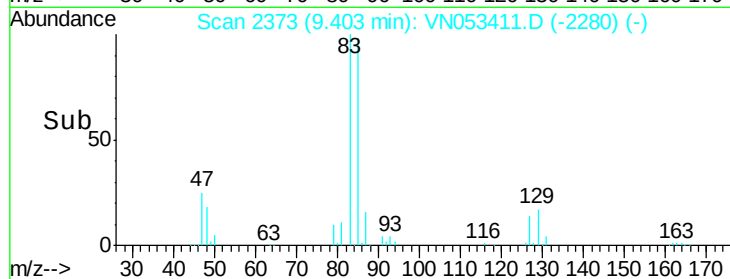
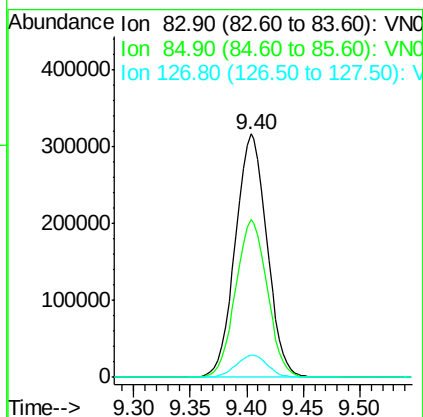
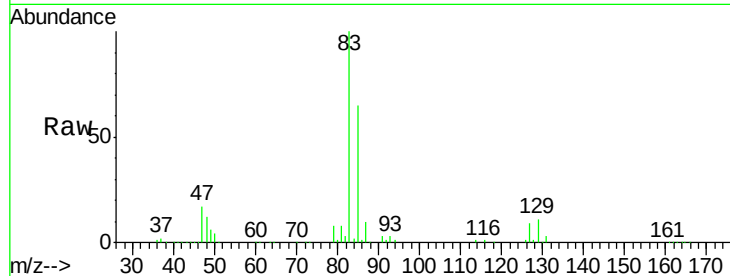




#47
Bromodichloromethane
Concen: 49.370 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

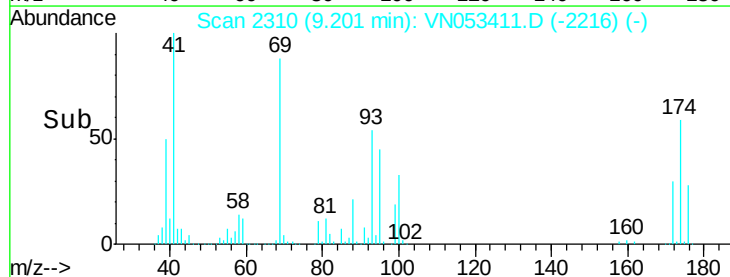
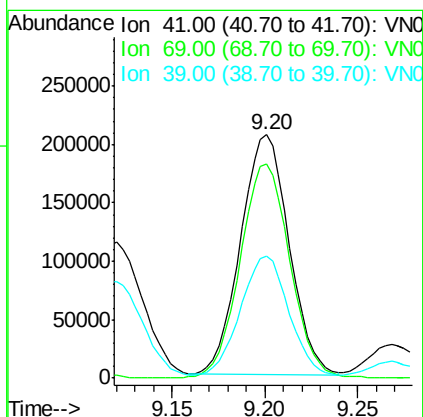
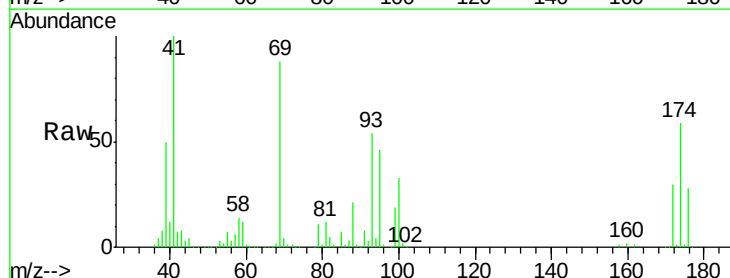
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

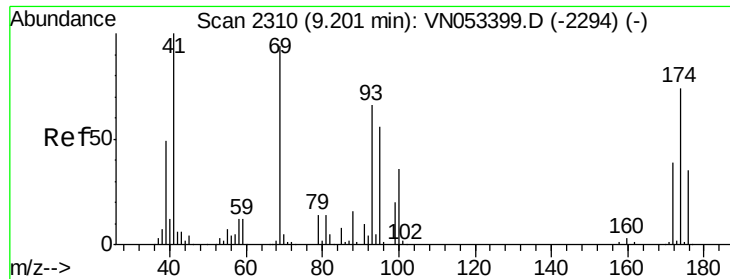
Tot Ion: 83 Resp: 615616
Ion Ratio Lower Upper
83 100
85 64.6 51.7 77.5
127 8.9 7.0 10.6



#48
Methyl methacrylate
Concen: 54.858 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 41 Resp: 375710
Ion Ratio Lower Upper
41 100
69 91.6 73.5 110.3
39 51.9 41.6 62.4





#49

1,4-Dioxane

Concen: 1360.667 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

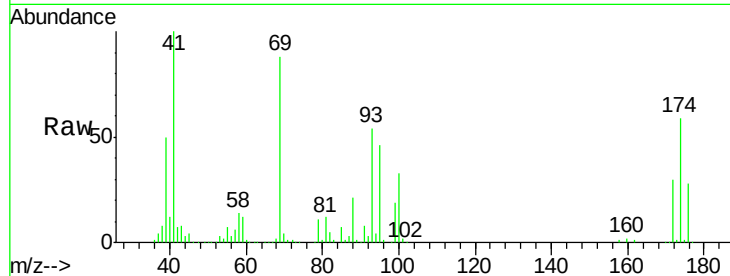
Tot Ion: 88 Resp: 91011

Ion Ratio Lower Upper

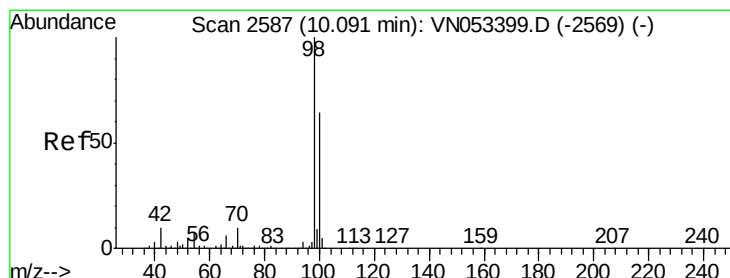
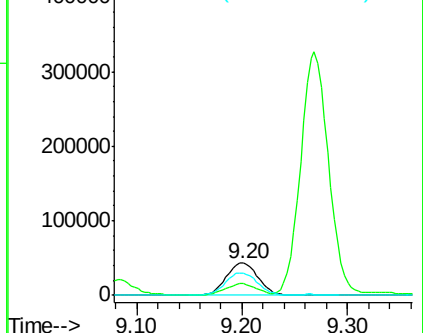
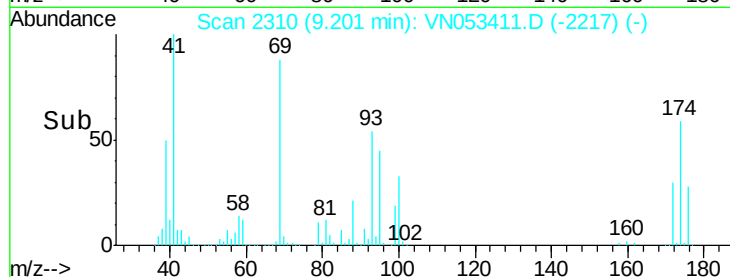
88 100

43 32.9 26.2 39.4

58 70.1 55.5 83.3



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



#50

Toluene-d8

Concen: 1360.667 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053411.D

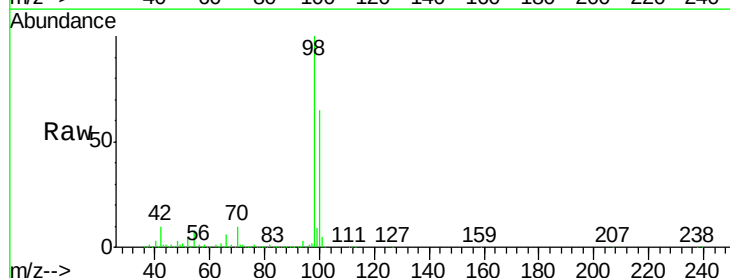
Acq: 15 Jan 2019 16:41

Tgt Ion: 98 Resp: 1678849

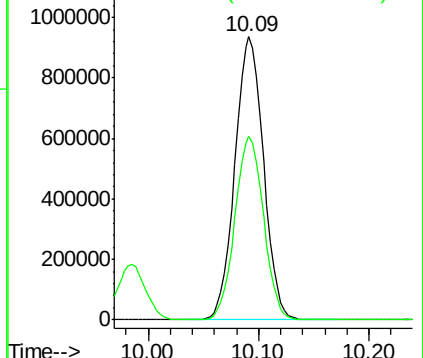
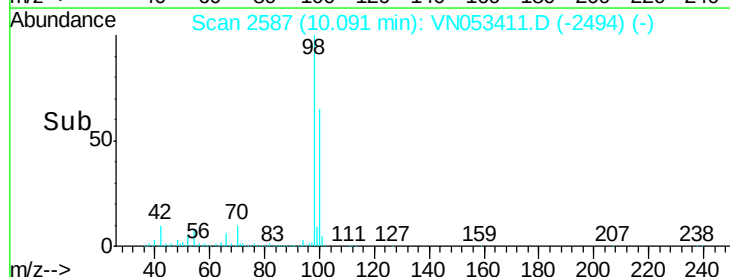
Ion Ratio Lower Upper

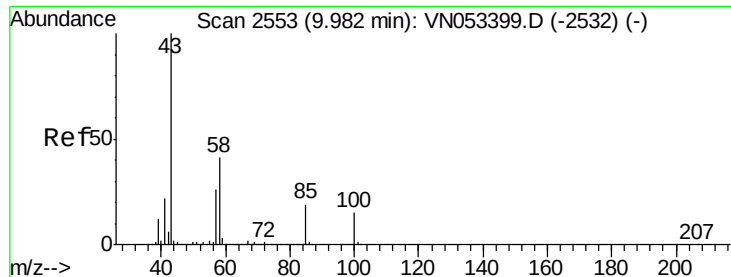
98 100

100 64.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

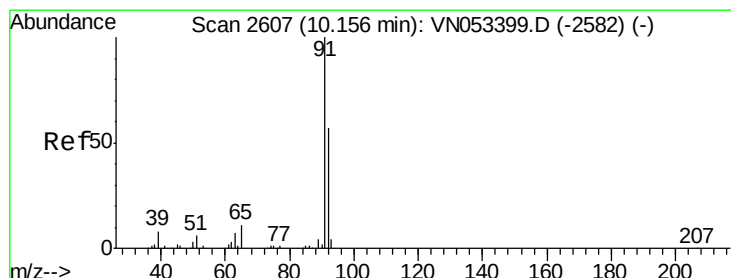
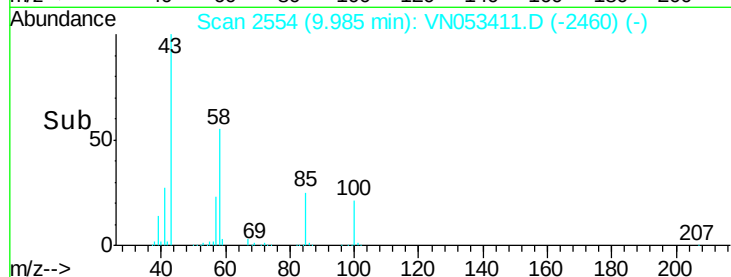
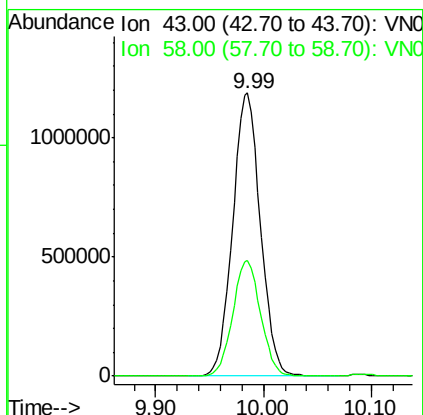
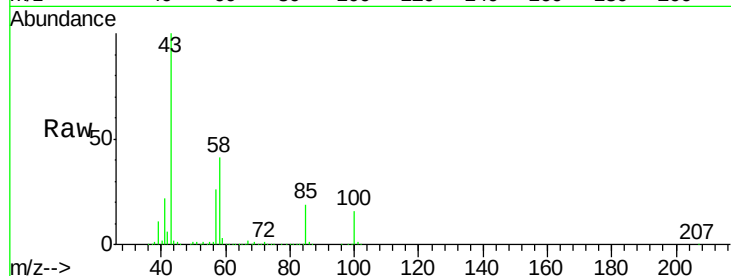




#51
4-Methyl-2-Pentanone
Concen: 293.557 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

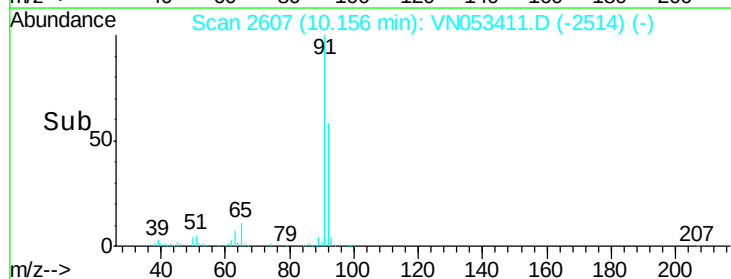
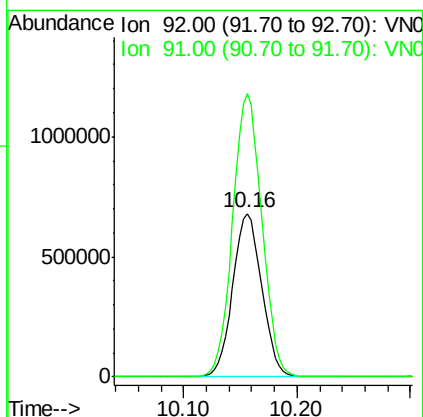
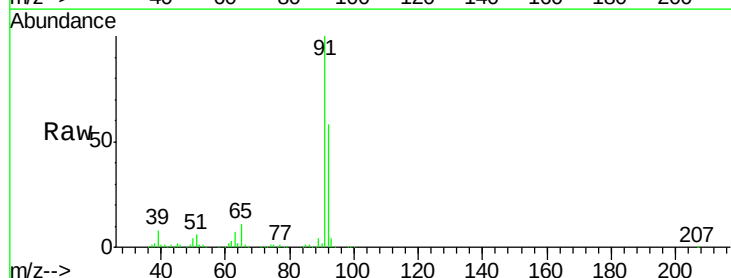
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

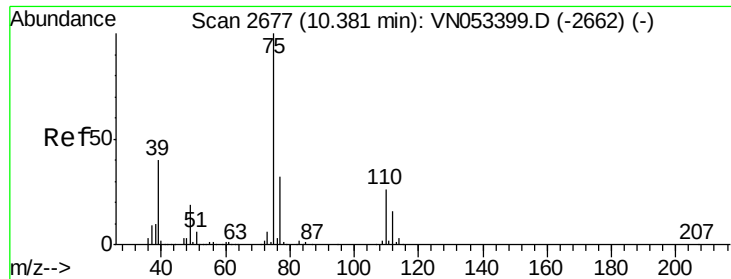
Tot Ion: 43 Resp: 2125662
Ion Ratio Lower Upper
43 100
58 41.0 32.7 49.1



#52
Toluene
Concen: 50.208 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 92 Resp: 1214522
Ion Ratio Lower Upper
92 100
91 174.3 138.6 208.0

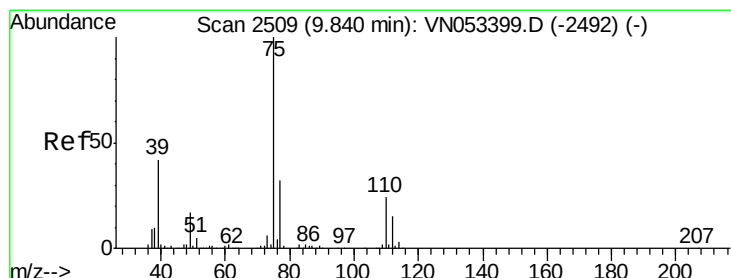
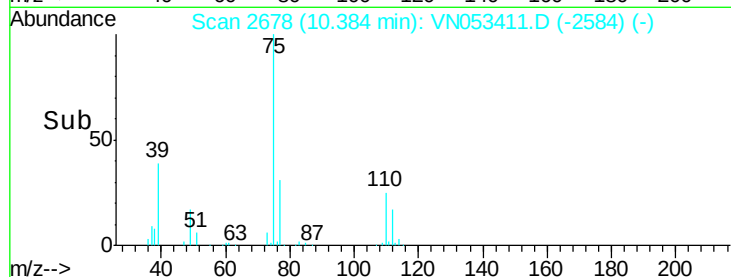
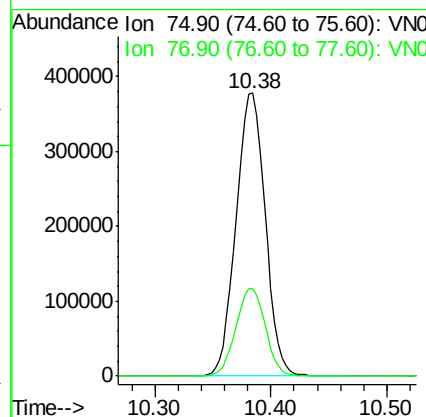
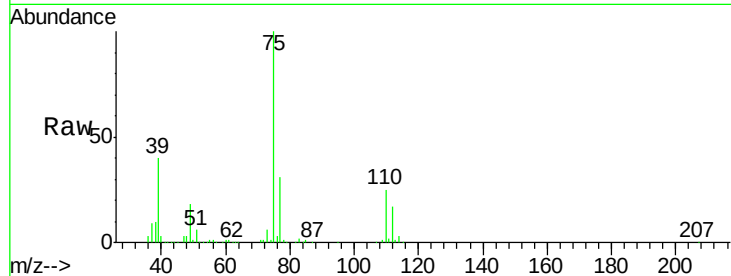




#53
t-1,3-Dichloropropene
Concen: 52.009 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

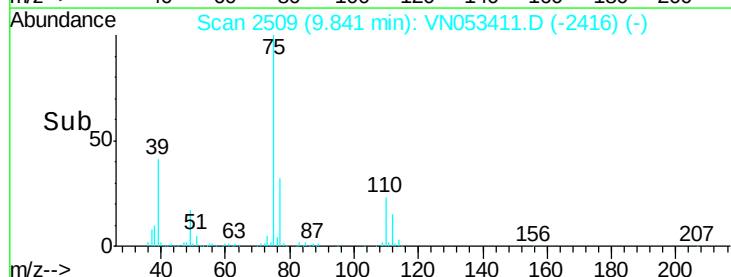
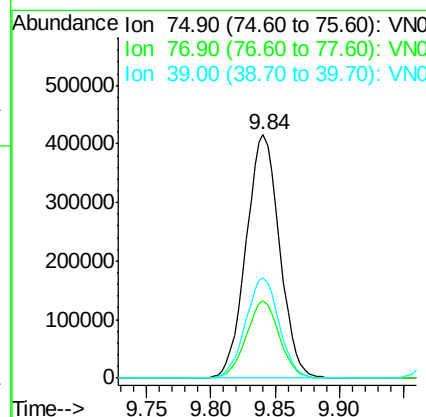
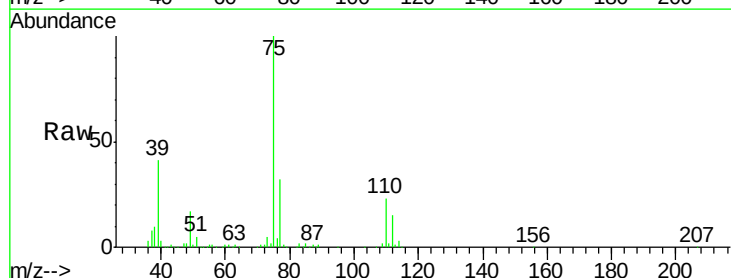
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

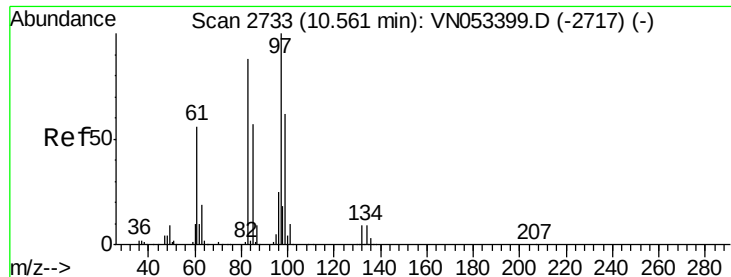
Tot Ion: 75 Resp: 657342
Ion Ratio Lower Upper
75 100
77 30.8 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 50.779 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 75 Resp: 752349
Ion Ratio Lower Upper
75 100
77 31.7 25.1 37.7
39 41.3 33.1 49.7





#55

1,1,2-Trichloroethane

Concen: 51.045 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 425700

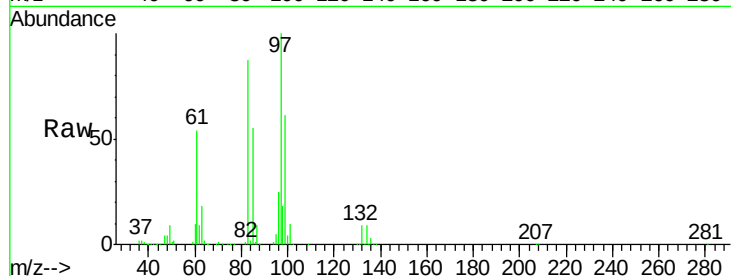
Ion Ratio Lower Upper

97 100

83 86.9 69.1 103.7

85 54.9 44.2 66.4

99 61.4 50.3 75.5

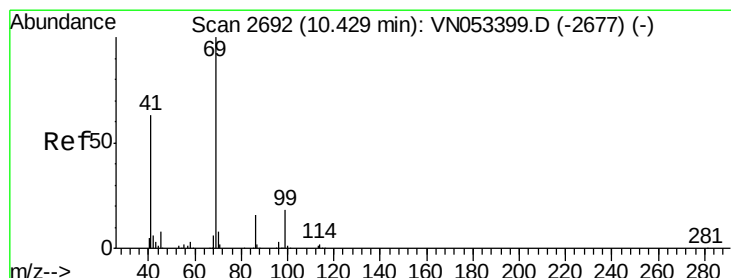
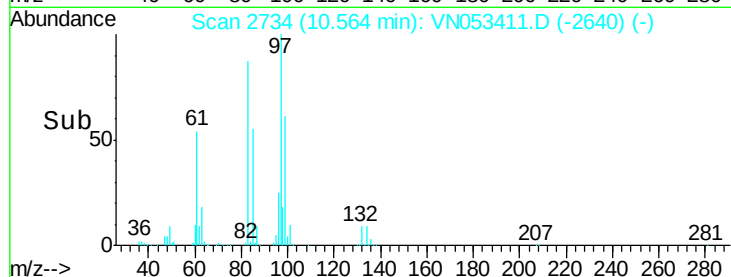
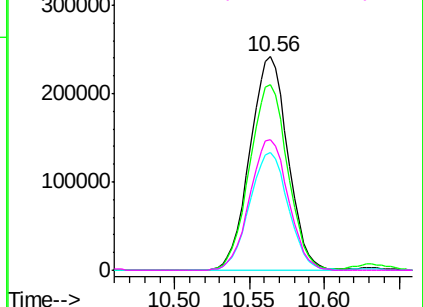


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 50.312 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

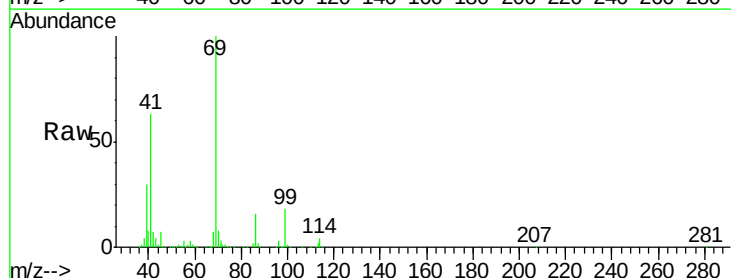
Tgt Ion: 69 Resp: 595624

Ion Ratio Lower Upper

69 100

41 62.0 49.2 73.8

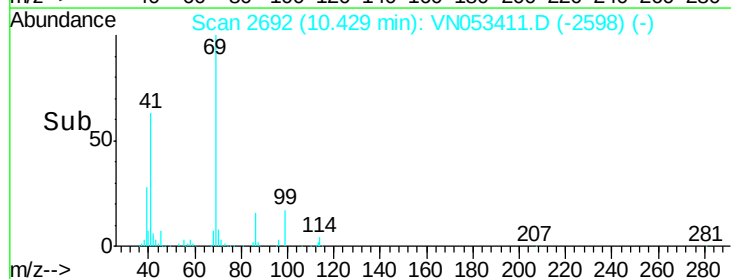
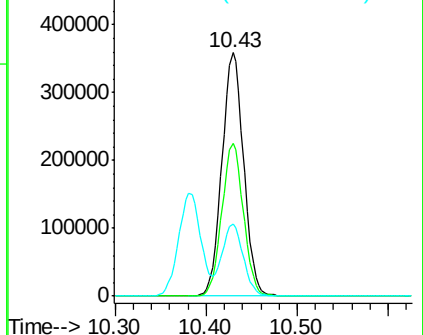
39 29.2 23.4 35.0

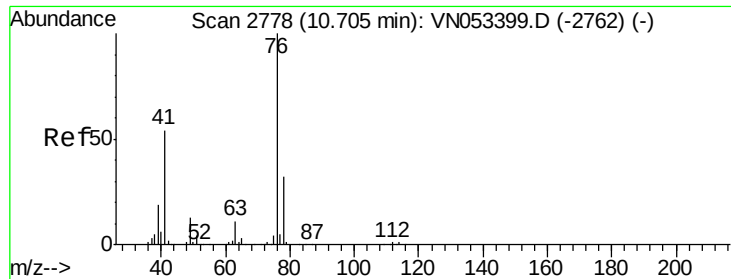


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.037 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

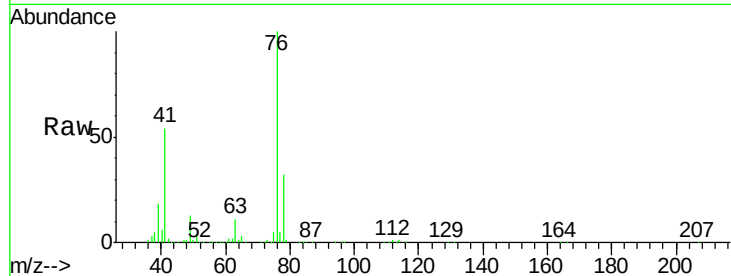
VSTDCCC050EC

Tot Ion: 76 Resp: 736306

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8

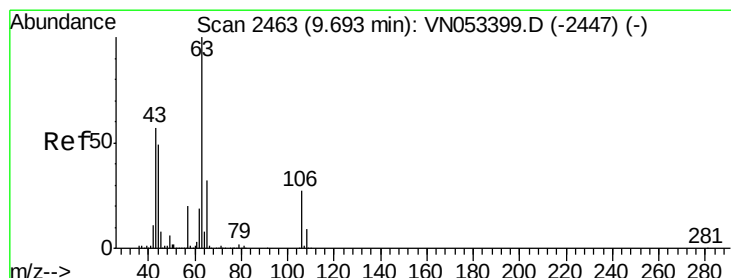
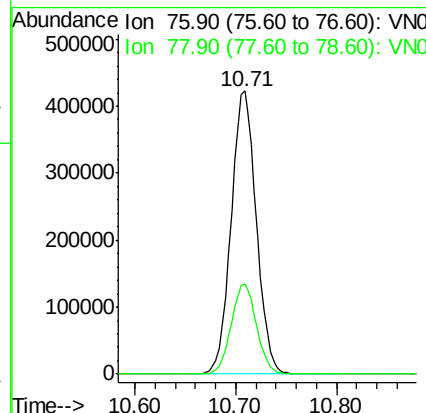
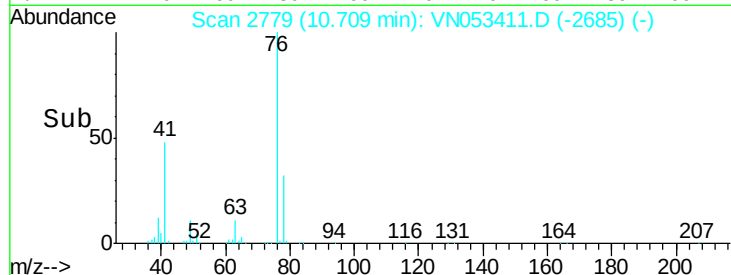


Abundance Ion 75.90 (75.60 to 76.60): VN053399.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN053399.D (-2762) (-)

10.71

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 265.022 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053411.D

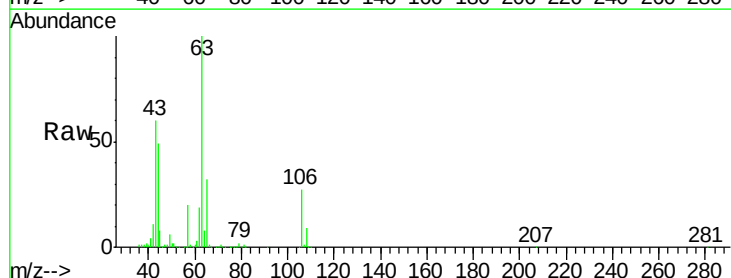
Acq: 15 Jan 2019 16:41

Tgt Ion: 63 Resp: 1546235

Ion Ratio Lower Upper

63 100

106 27.1 21.7 32.5

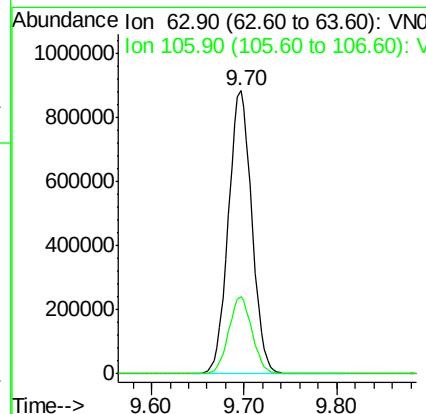
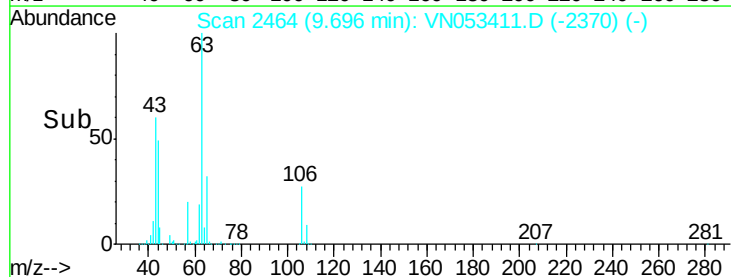


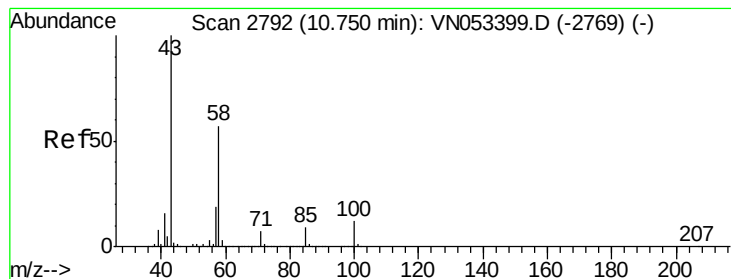
Abundance Ion 62.90 (62.60 to 63.60): VN053399.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN053399.D (-2447) (-)

9.70

Time-->





#59

2-Hexanone

Concen: 294.866 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

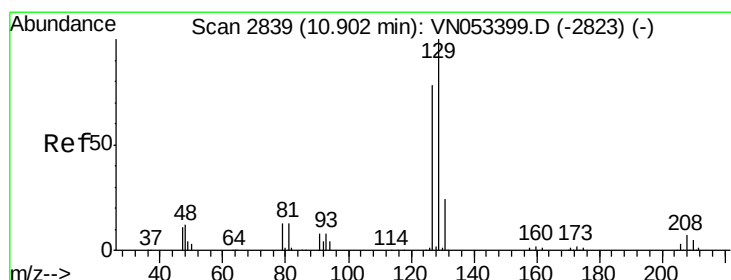
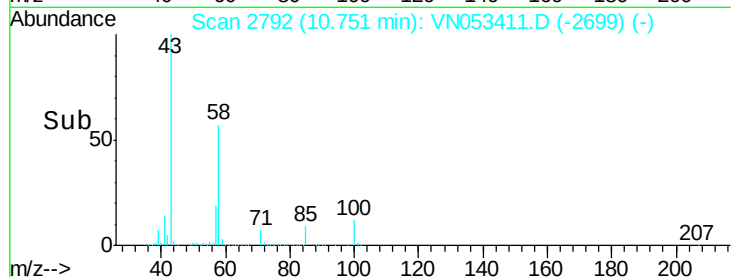
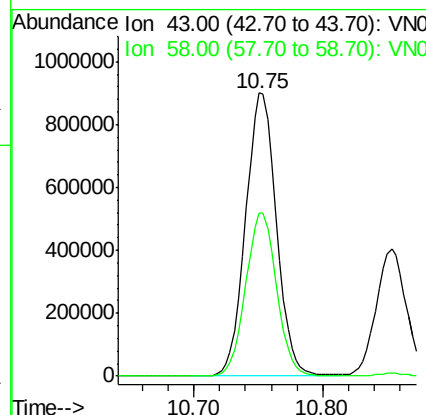
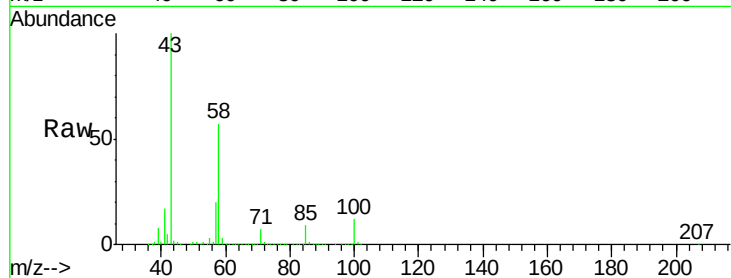
VSTDCCC050EC

Tot Ion: 43 Resp: 1498841

Ion Ratio Lower Upper

43 100

58 57.8 28.3 85.0



#60

Dibromochloromethane

Concen: 50.429 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053411.D

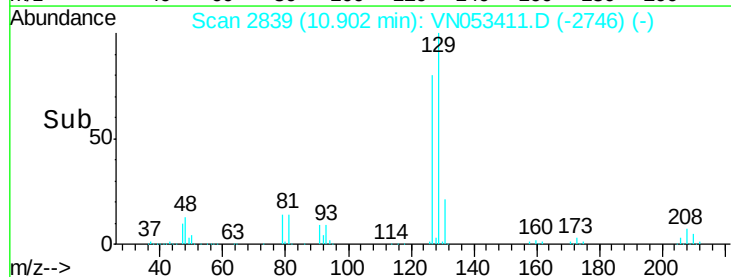
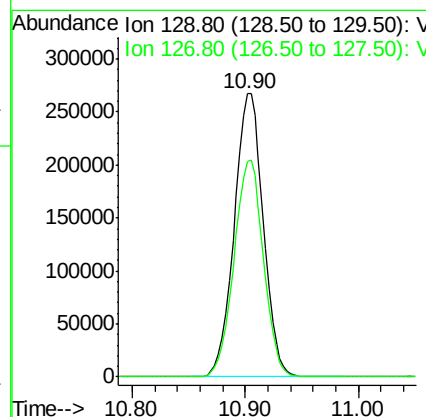
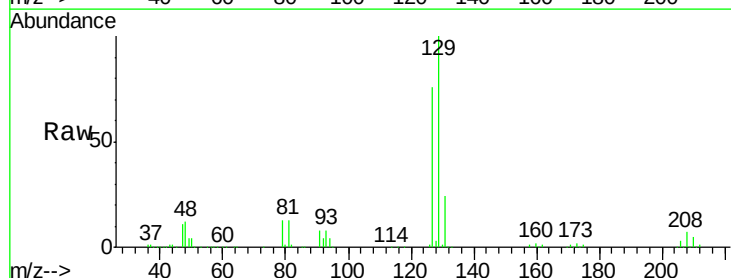
Acq: 15 Jan 2019 16:41

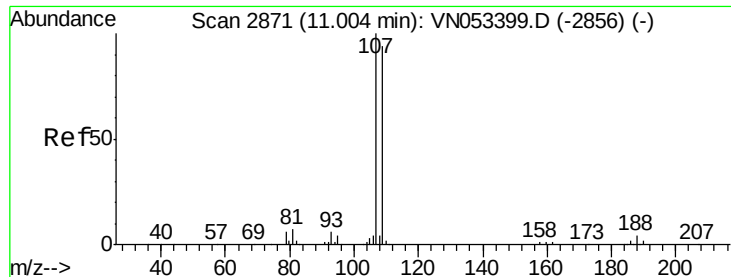
Tgt Ion: 129 Resp: 477007

Ion Ratio Lower Upper

129 100

127 77.6 38.4 115.2

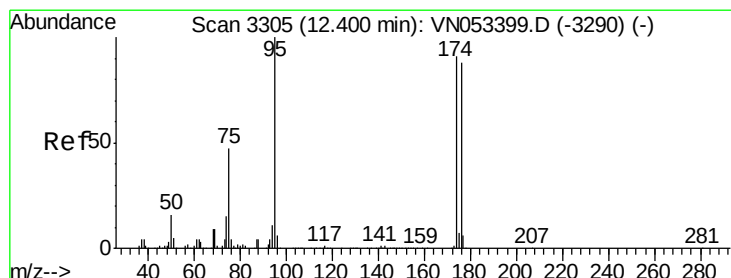
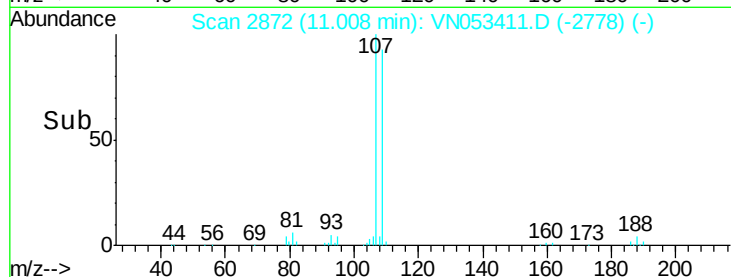
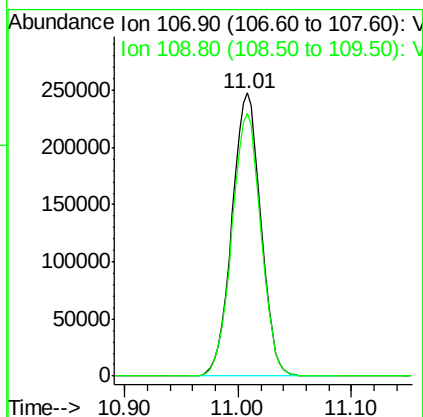
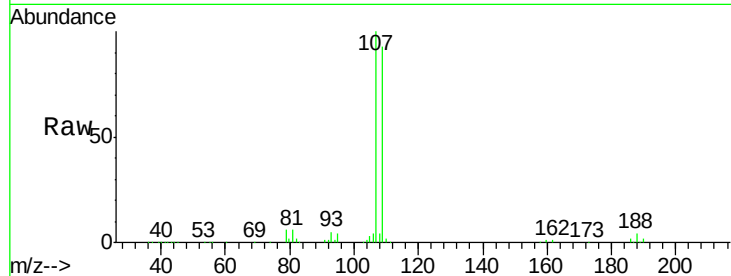




#61
 1,2-Dibromoethane
 Concen: 52.128 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

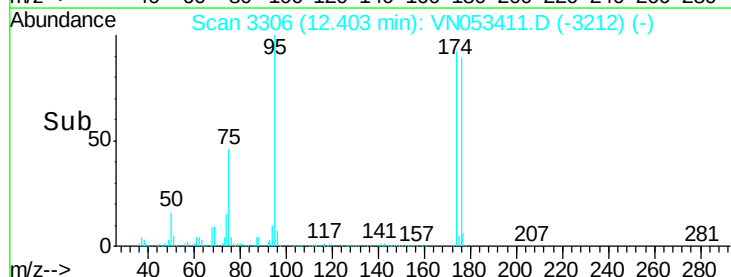
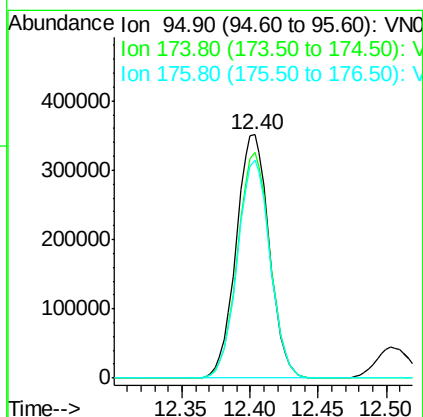
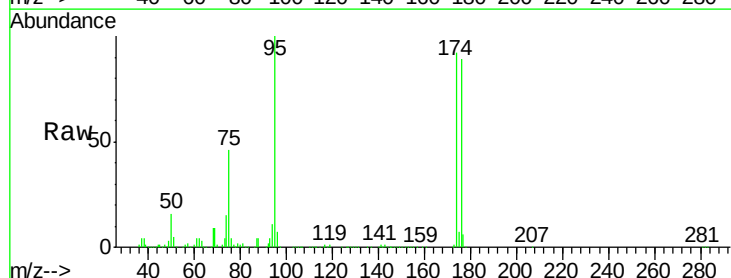
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

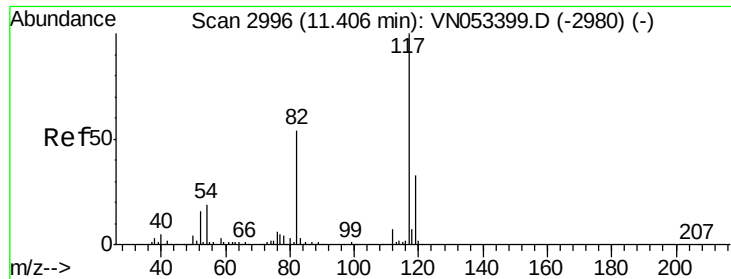
Tot Ion:107 Resp: 439669
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 52.128 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 95 Resp: 591001
 Ion Ratio Lower Upper
 95 100
 174 91.1 0.0 180.4
 176 88.3 0.0 175.6

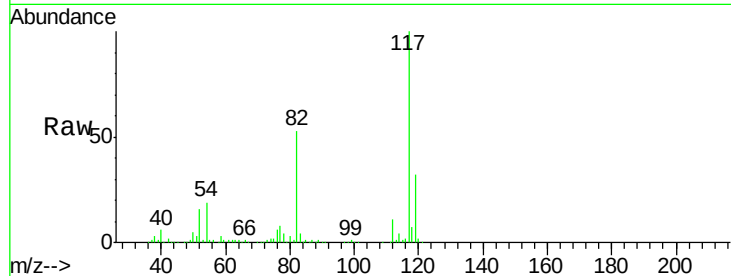




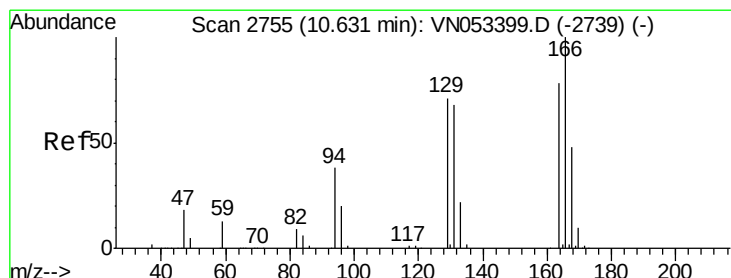
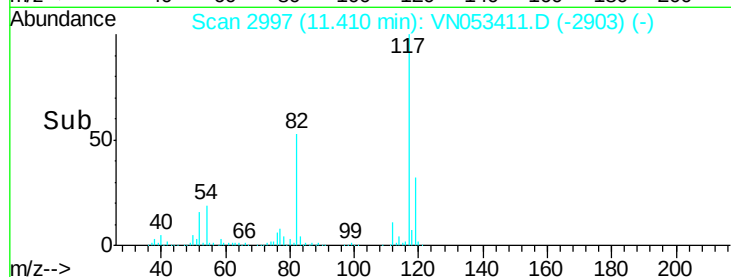
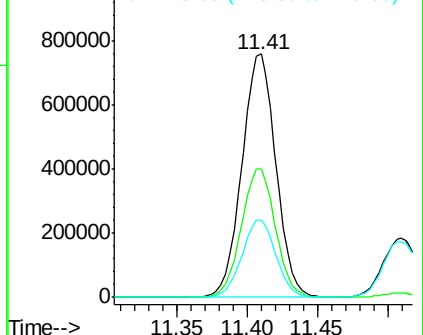
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1279620
Ion Ratio Lower Upper
117 100
82 52.5 42.9 64.3
119 31.9 25.6 38.4

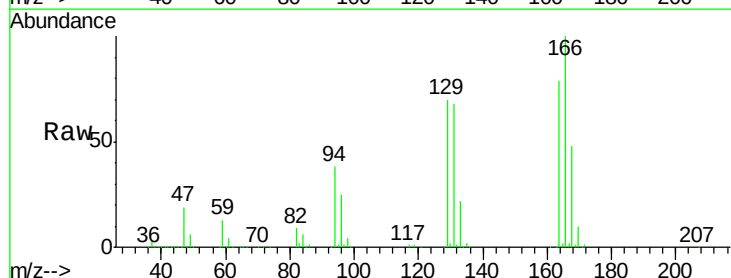


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

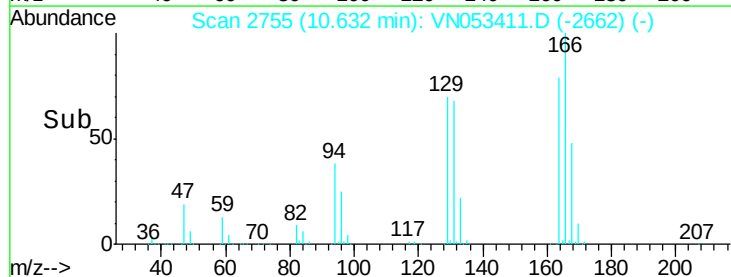
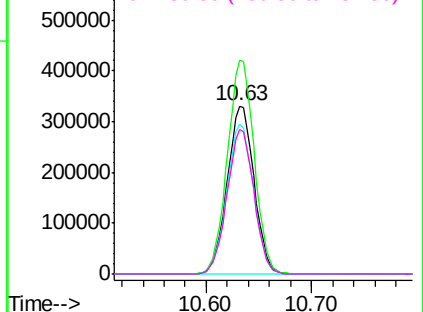


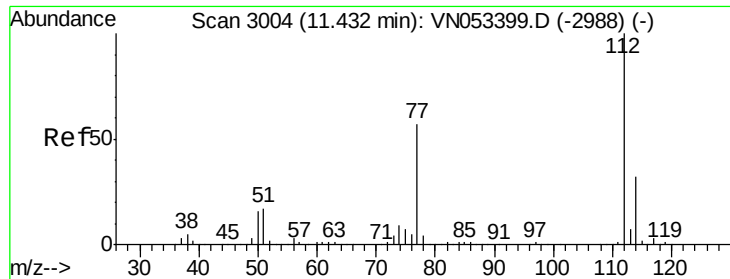
#64
Tetrachloroethene
Concen: 47.990 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:164 Resp: 578711
Ion Ratio Lower Upper
164 100
166 127.2 101.7 152.5
129 89.4 72.1 108.1
131 86.0 69.9 104.9



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

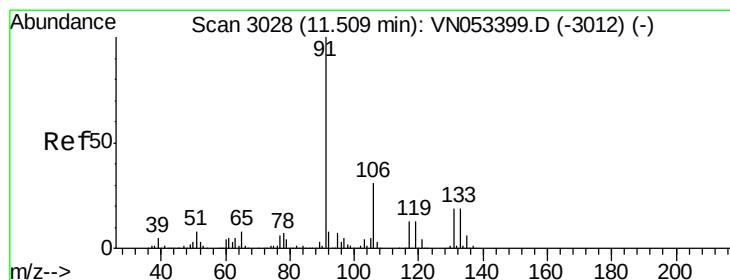
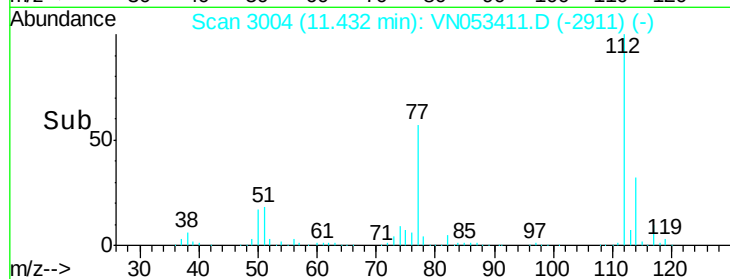
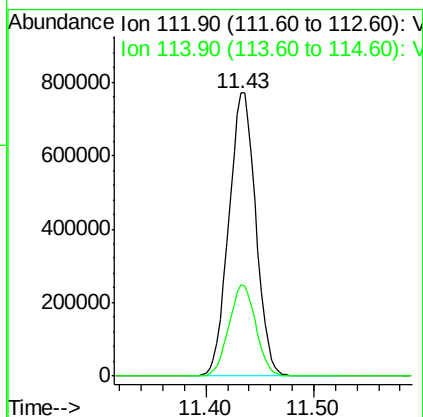
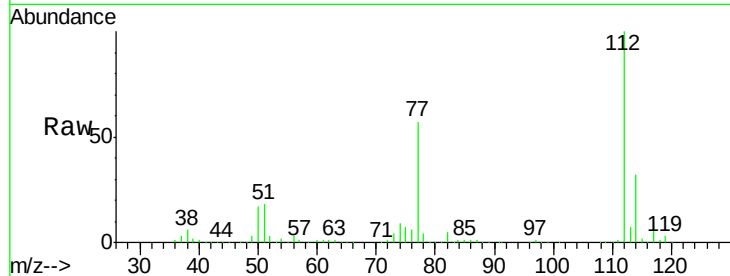




#65
Chlorobenzene
Concen: 49.615 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

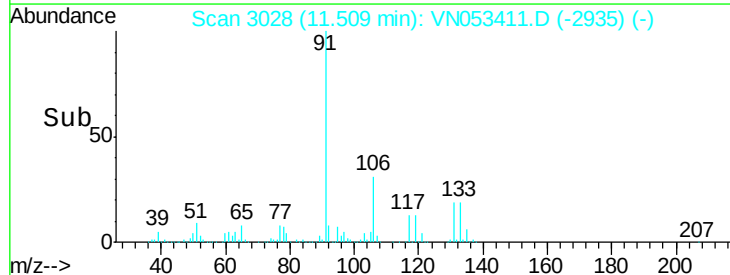
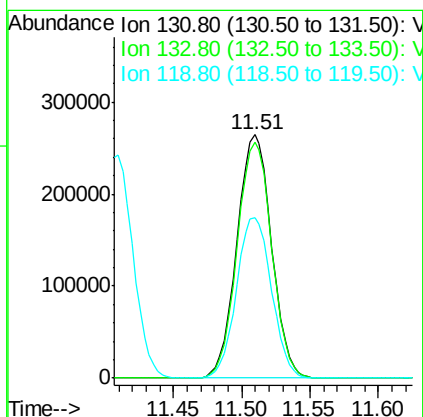
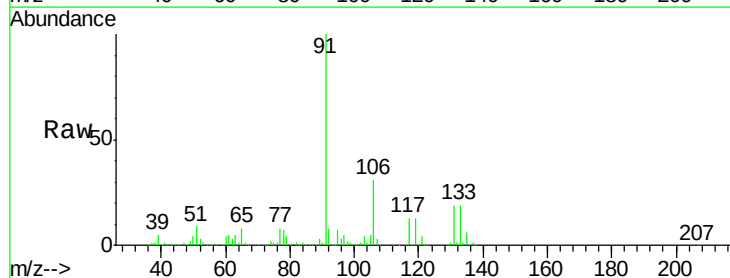
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

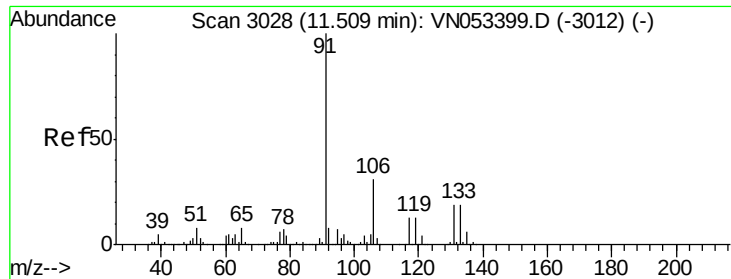
Tot Ion:112 Resp: 1343844
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.507 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:131 Resp: 466484
Ion Ratio Lower Upper
131 100
133 96.7 48.0 144.0
119 66.6 33.3 99.9

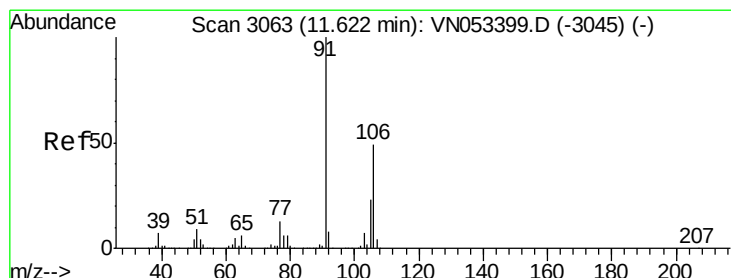
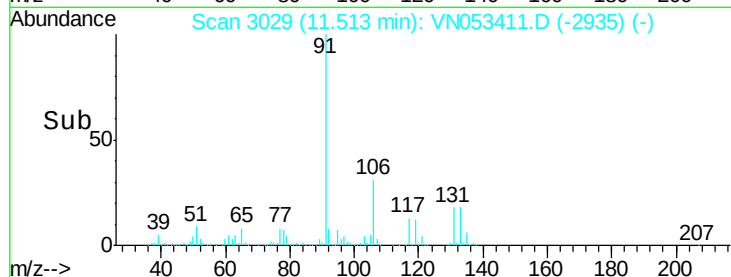
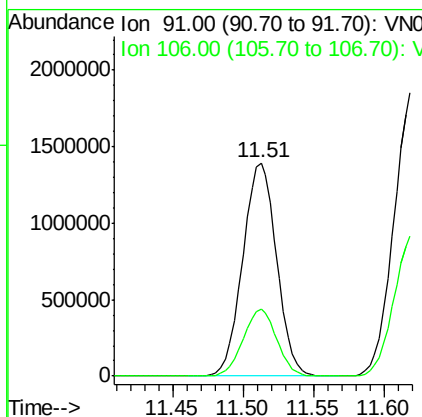
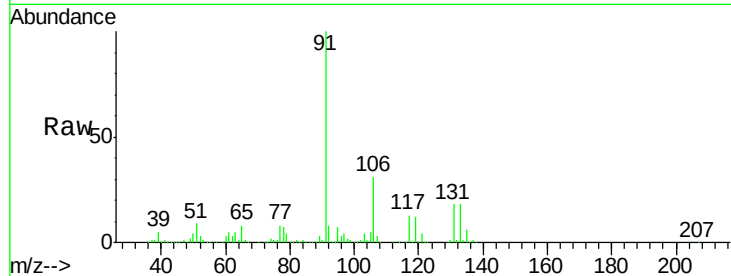




#67
Ethyl Benzene
Concen: 50.729 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

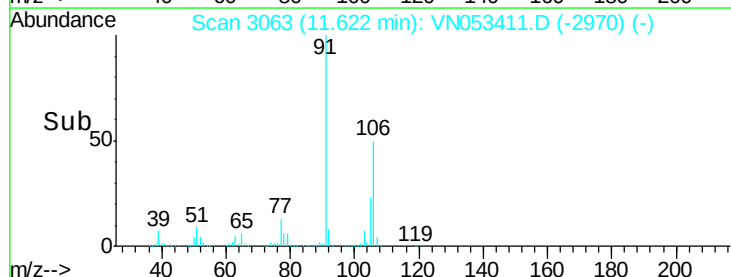
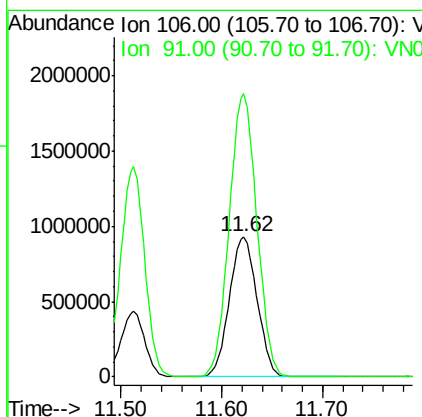
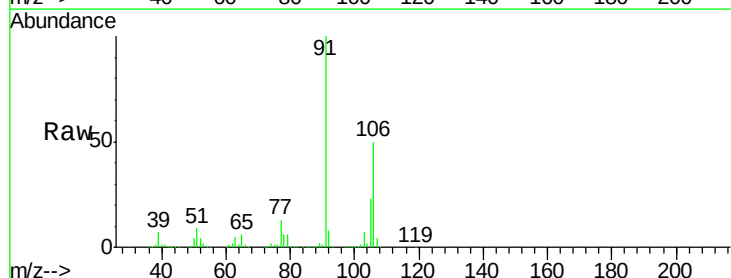
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

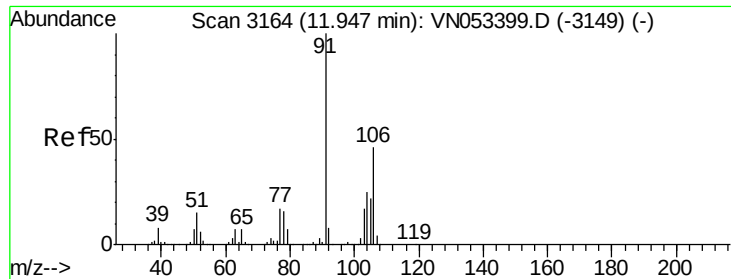
Tot Ion: 91 Resp: 2341642
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 102.278 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion: 106 Resp: 1782505
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2

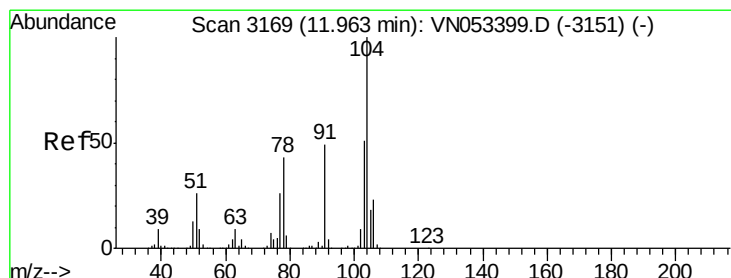
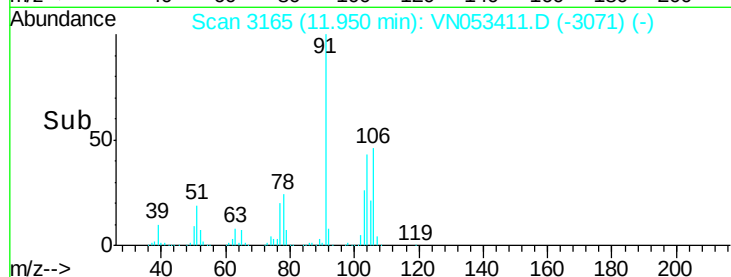
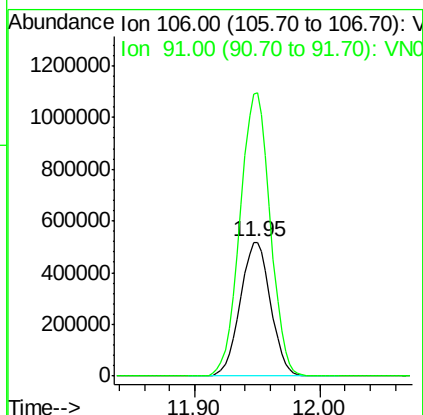
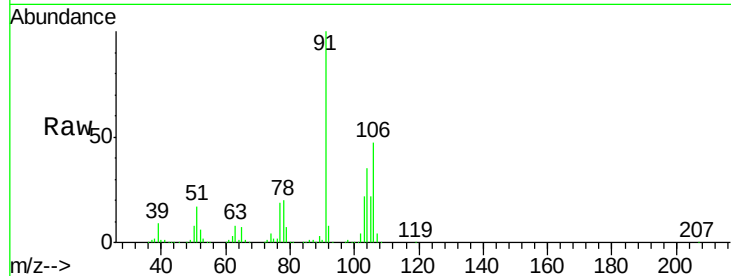




#69
o-Xylene
Concen: 51.241 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

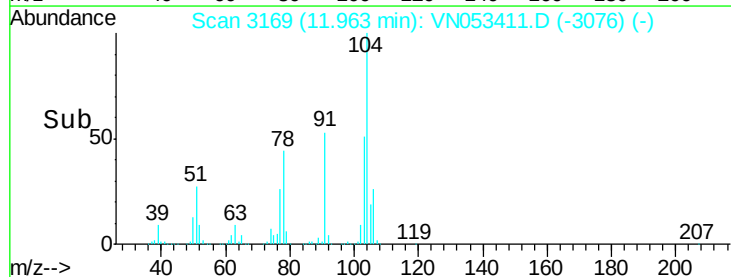
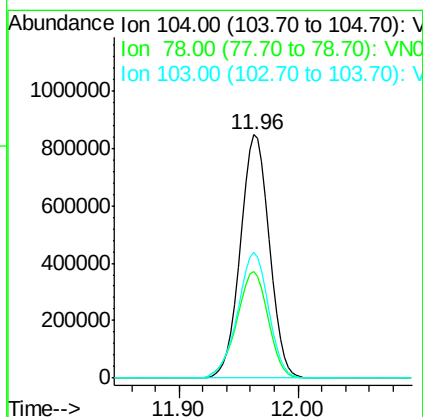
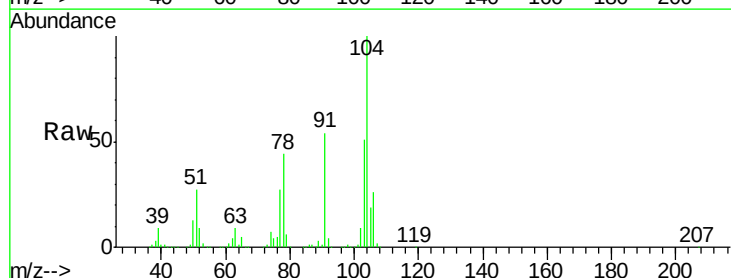
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

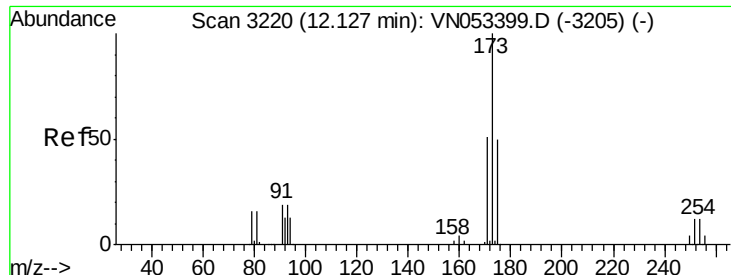
Tot Ion:106 Resp: 867740
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4



#70
Styrene
Concen: 52.006 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:104 Resp: 1429348
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.2 44.5 66.7

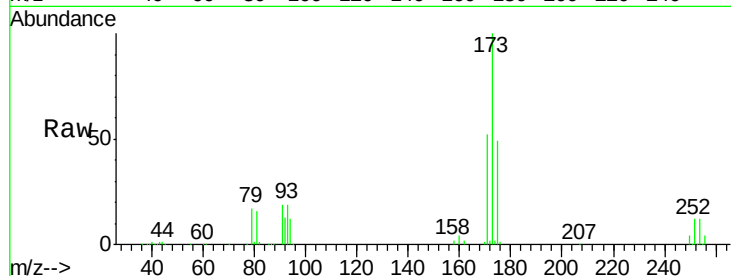




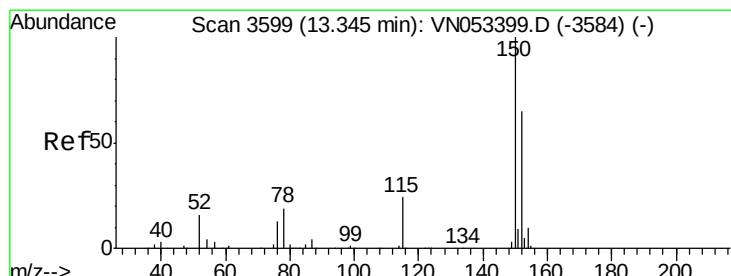
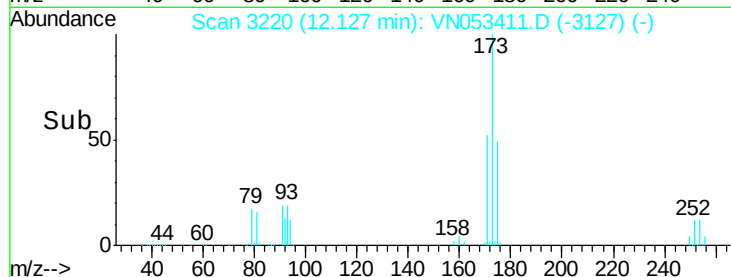
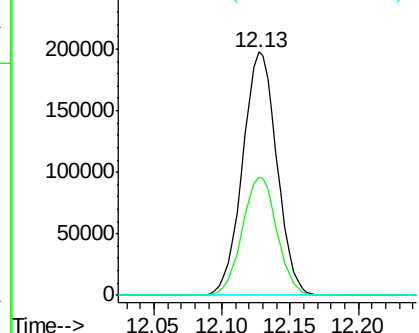
#71
Bromoform
Concen: 53.065 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 344230
Ion Ratio Lower Upper
173 100
175 49.1 24.3 72.8
254 0.2 0.2 0.2

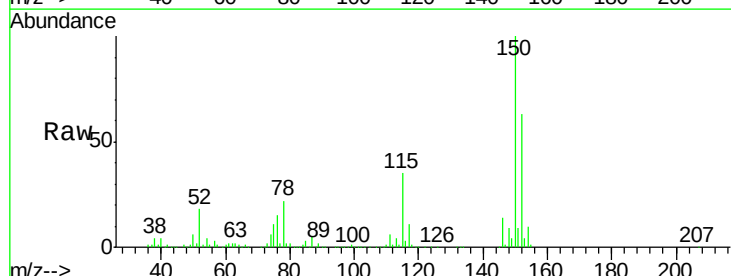


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

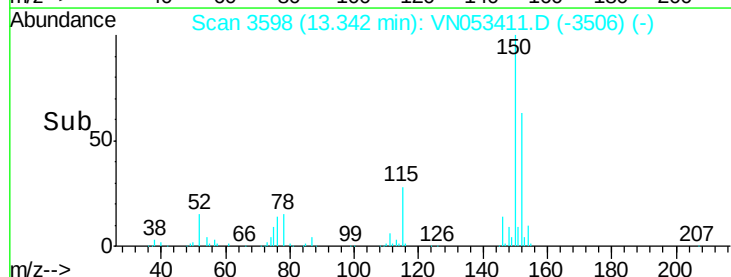
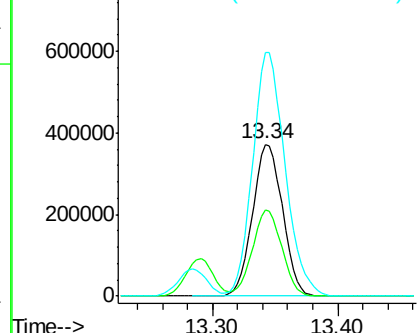


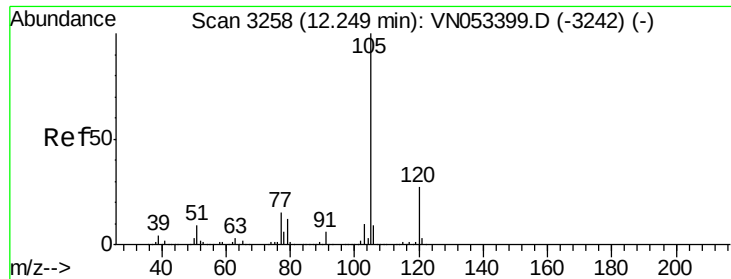
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:152 Resp: 617756
Ion Ratio Lower Upper
152 100
115 55.7 28.0 84.0
150 173.9 0.0 346.6



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: 51.124 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

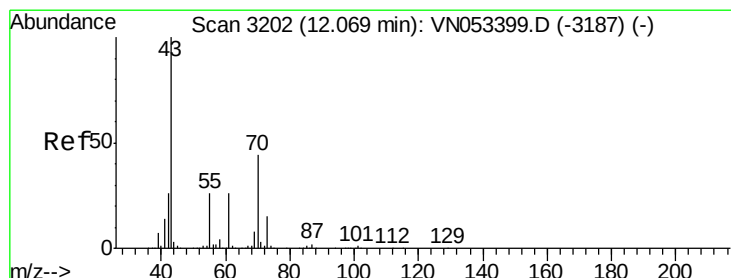
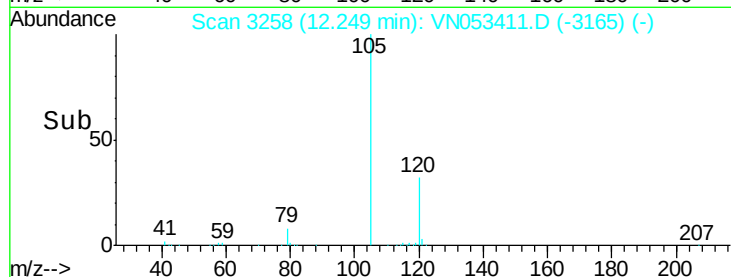
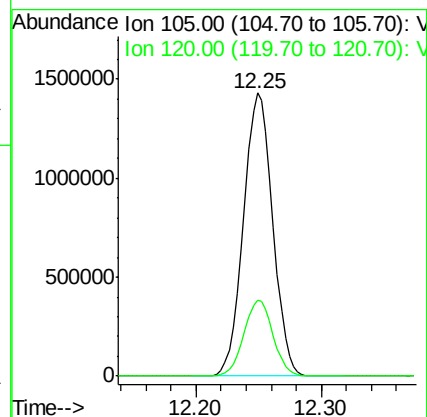
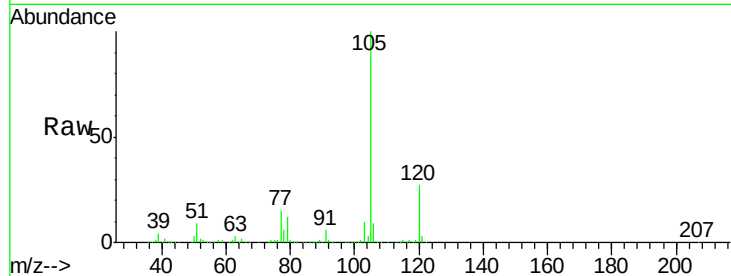
VSTDCCC050EC

Tot Ion:105 Resp: 2312768

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.2



#74

N-ethyl acetate

Concen: 57.328 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Tgt Ion: 43 Resp: 691356

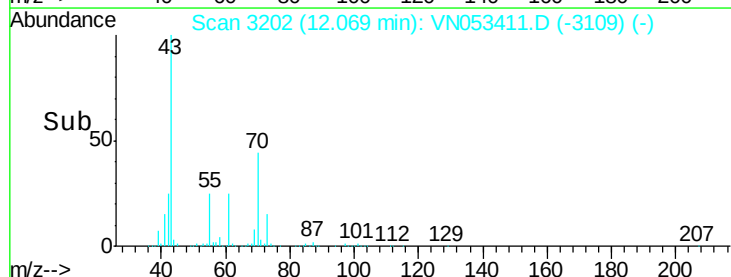
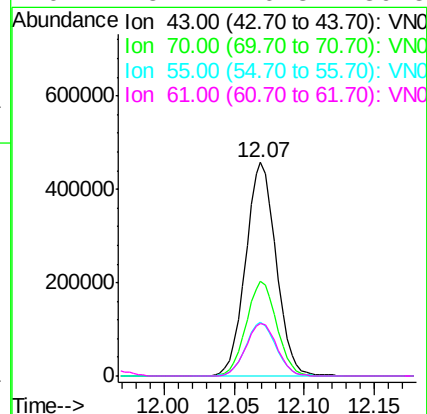
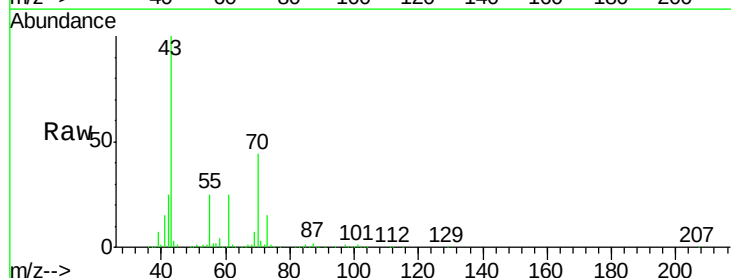
Ion Ratio Lower Upper

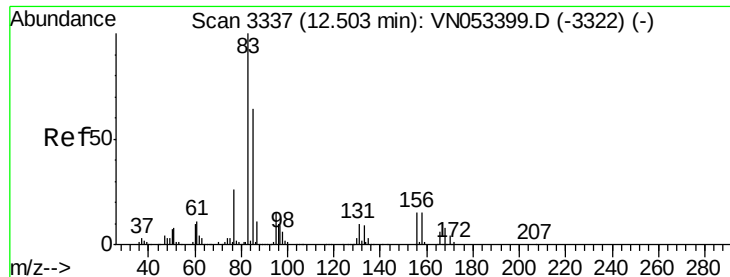
43 100

70 44.7 35.0 52.6

55 25.4 20.0 30.0

61 25.2 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.410 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

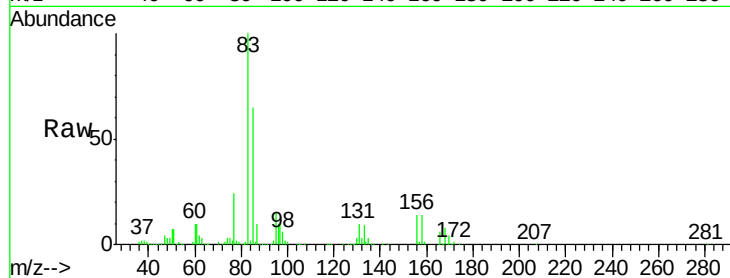
Tot Ion: 83 Resp: 516226

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	15.9
85	65.1	32.3	96.8

83 100

131 10.5 5.3 15.9

85 65.1 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

300000

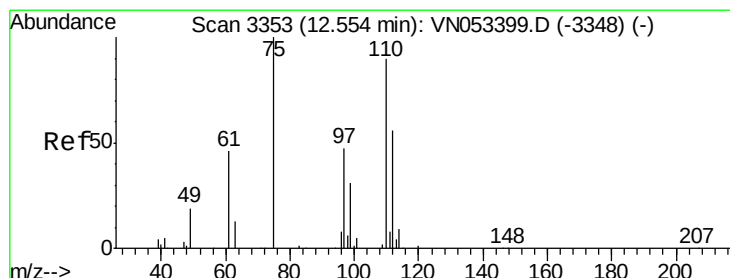
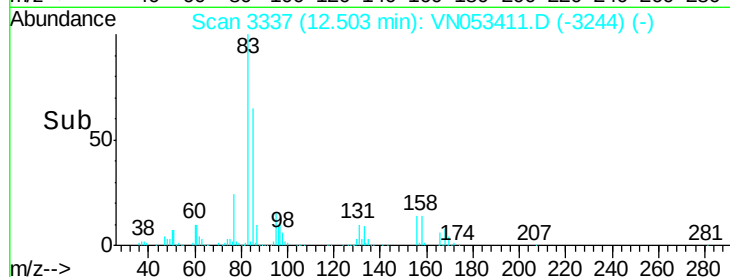
200000

100000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 90.620 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053411.D

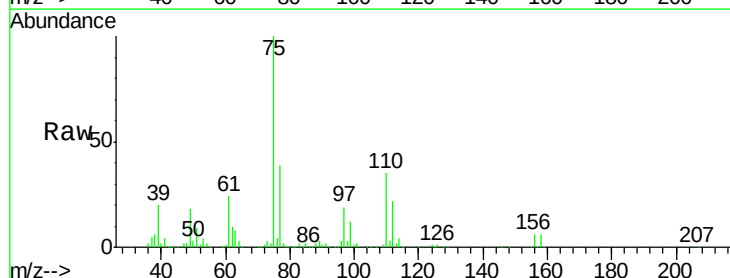
Acq: 15 Jan 2019 16:41

Tgt Ion: 75 Resp: 704831

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

600000

500000

400000

300000

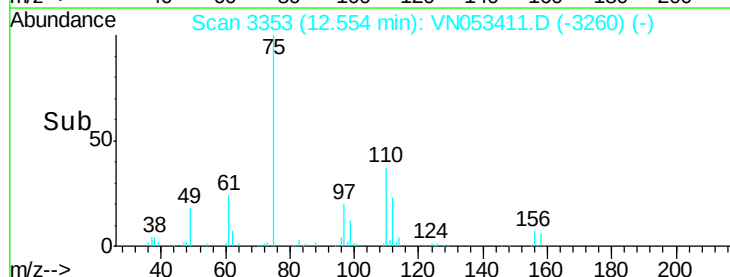
200000

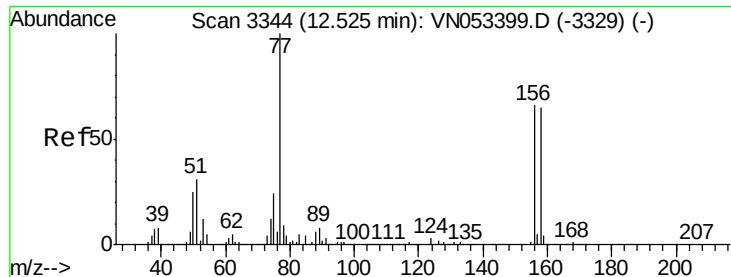
100000

0

Time-->

12.40 12.50 12.60





#77

Bromobenzene

Concen: 49.625 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

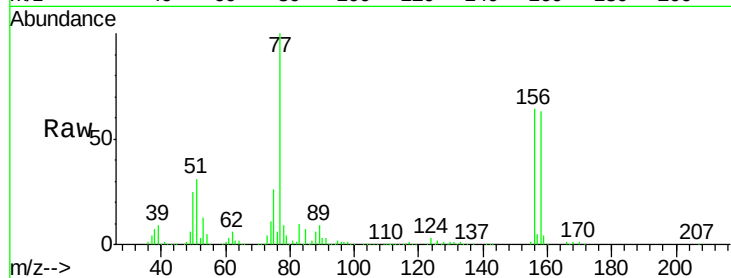
Tot Ion:156 Resp: 591555

Ion Ratio Lower Upper

156 100

77 179.9 89.3 268.1

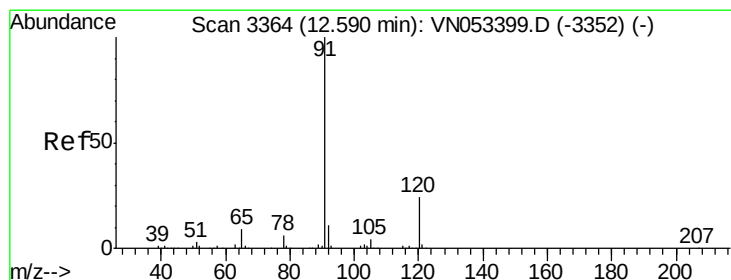
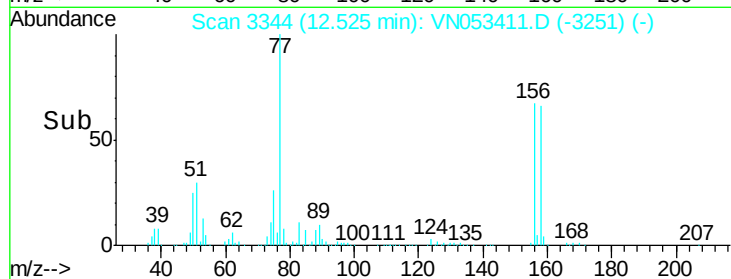
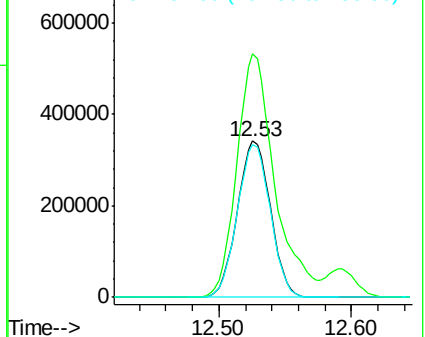
158 97.6 48.9 146.8



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: 51.420 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053411.D

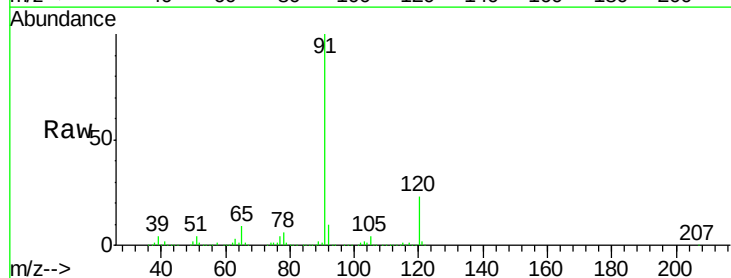
Acq: 15 Jan 2019 16:41

Tgt Ion: 91 Resp: 2670137

Ion Ratio Lower Upper

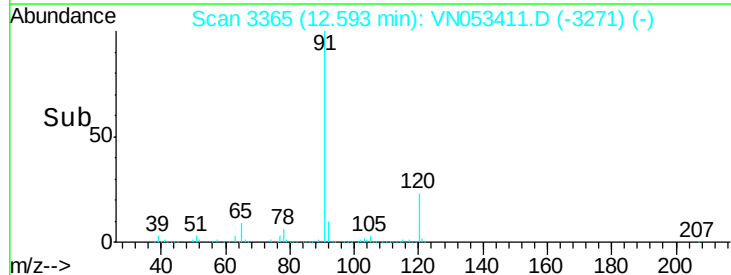
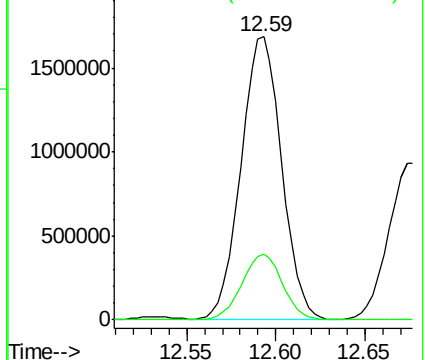
91 100

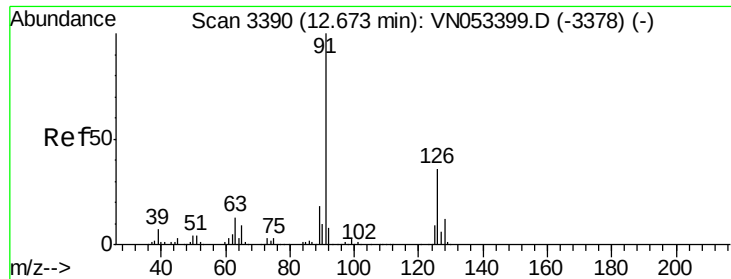
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

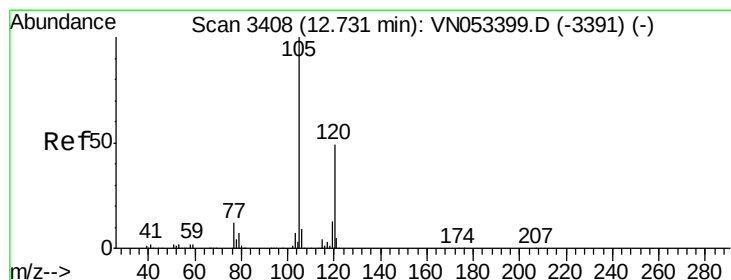
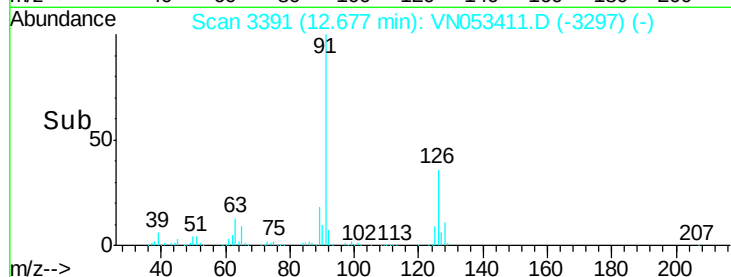
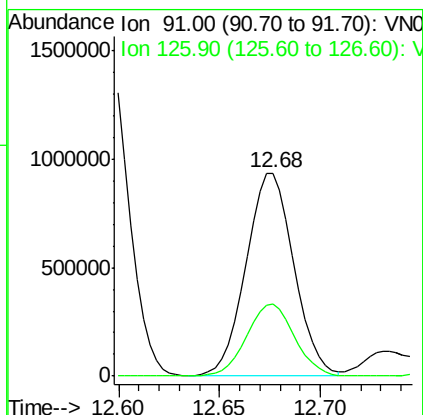
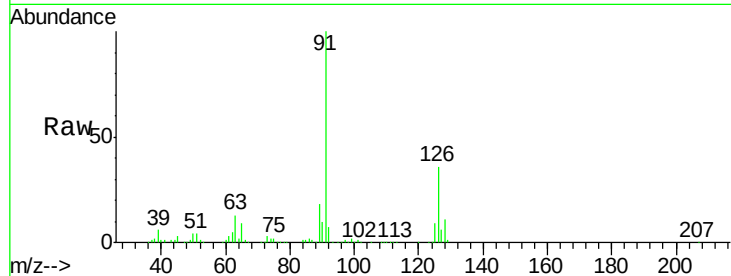




#79
 2-Chlorotoluene
 Concen: 50.210 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

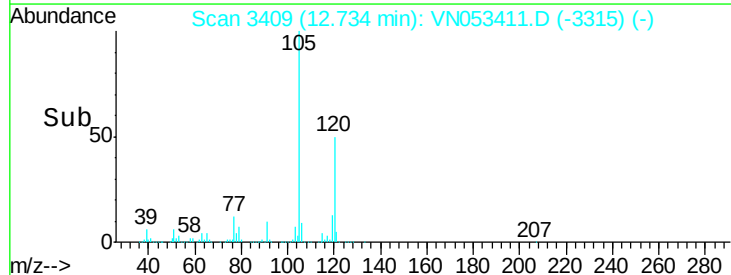
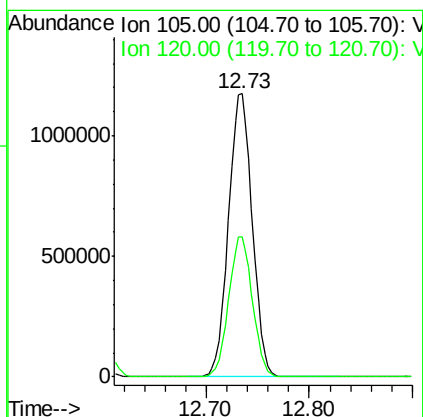
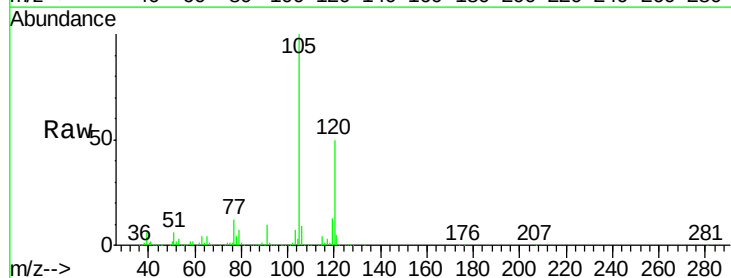
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

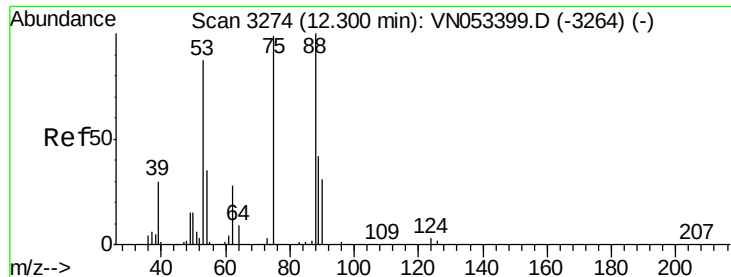
Tot Ion: 91 Resp: 1545466
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 51.193 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 105 Resp: 1884274
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 50.732 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

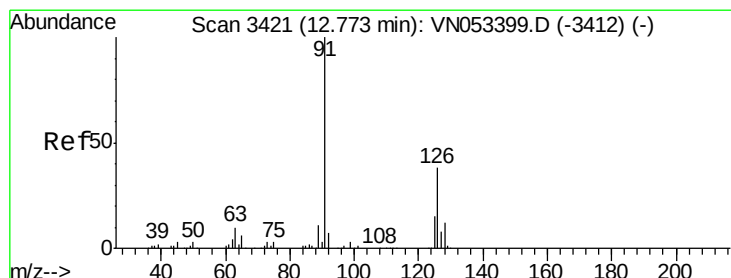
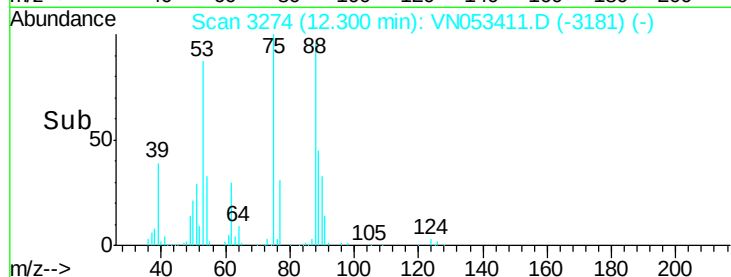
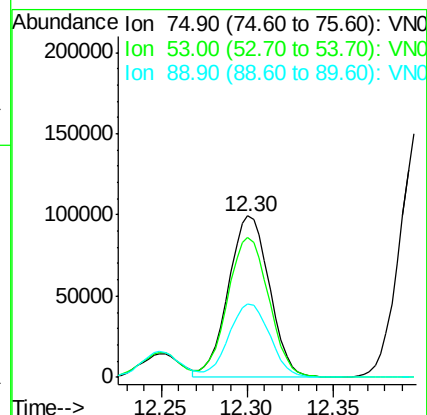
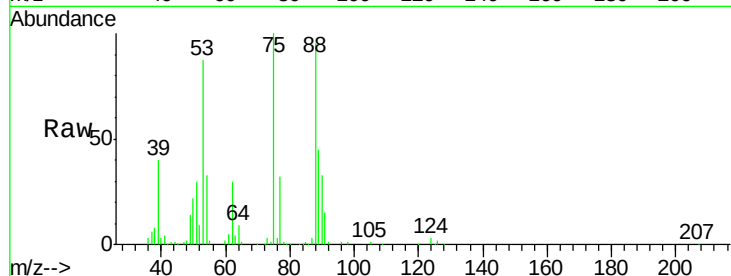
Tot Ion: 75 Resp: 163317

Ion Ratio Lower Upper

75 100

53 88.9 70.5 105.7

89 45.8 35.4 53.0



#82

4-Chlorotoluene

Concen: 50.362 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053411.D

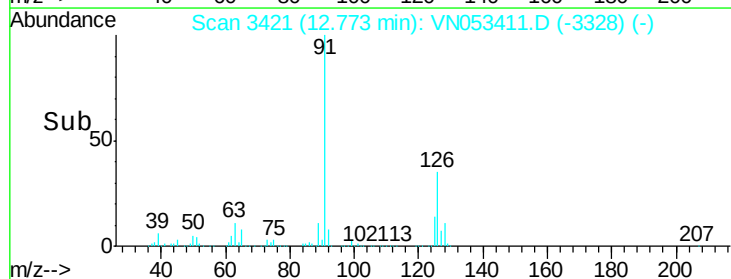
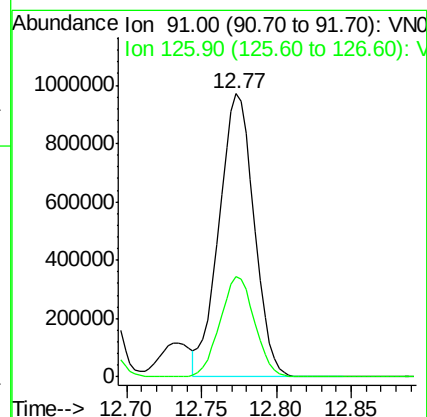
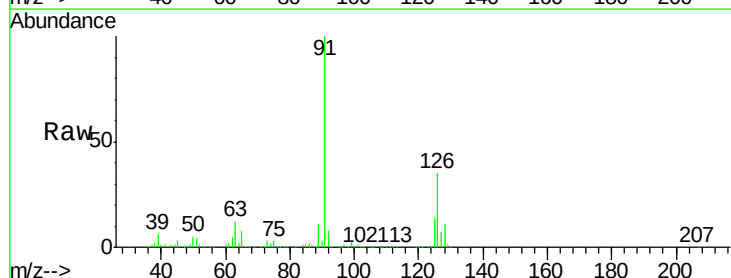
Acq: 15 Jan 2019 16:41

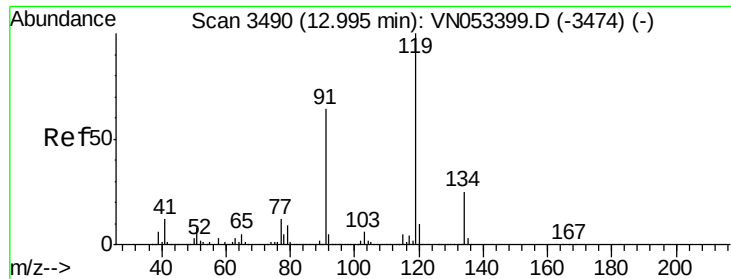
Tgt Ion: 91 Resp: 1580834

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2

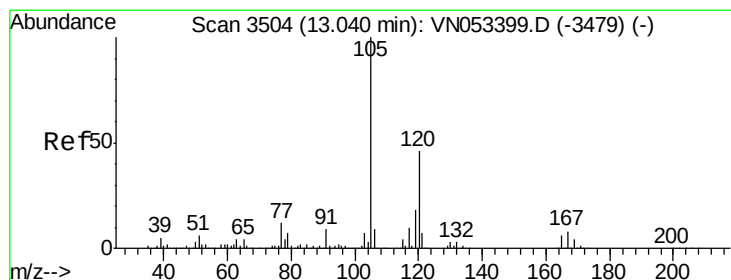
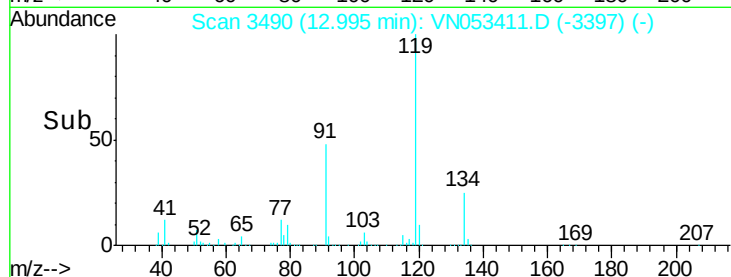
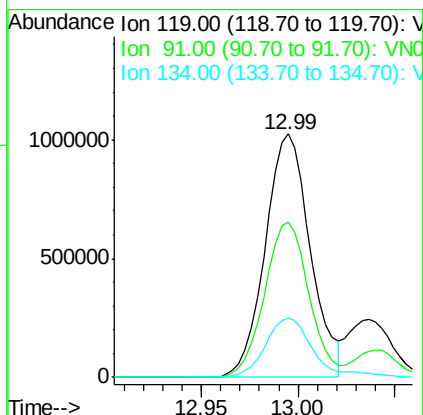
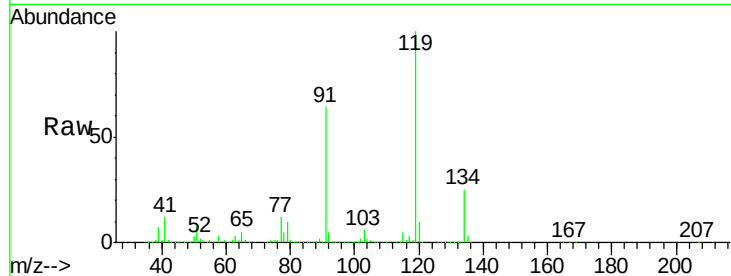




#83
 tert-Butylbenzene
 Concen: 51.147 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

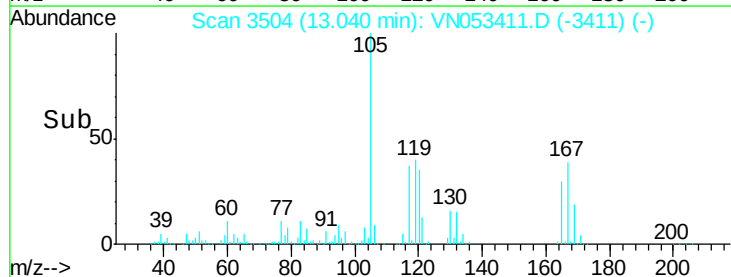
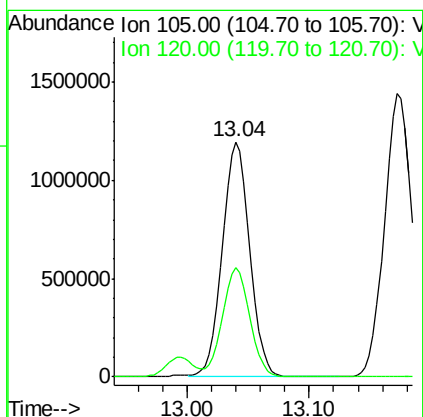
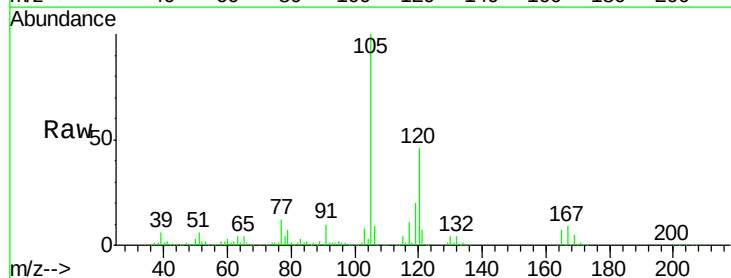
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

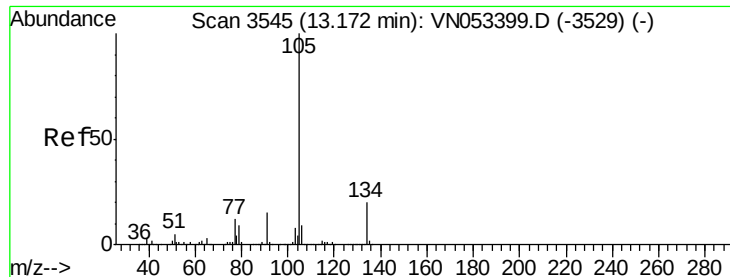
Tot Ion:119 Resp: 1662751
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 95.0
 134 25.8 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 50.766 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion:105 Resp: 1884095
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.241 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

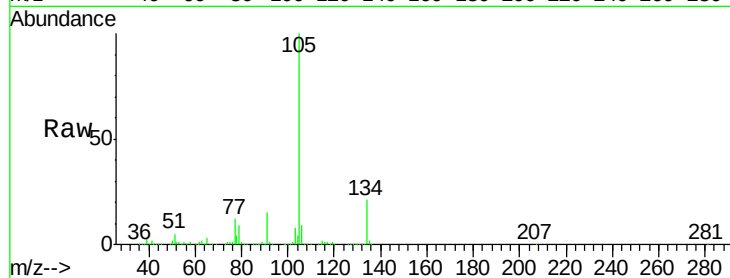
VSTDCCC050EC

Tot Ion:105 Resp: 2284566

Ion Ratio Lower Upper

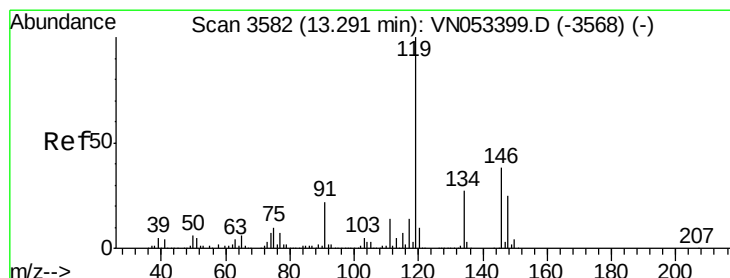
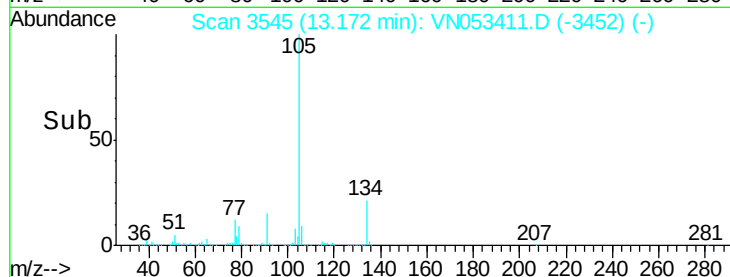
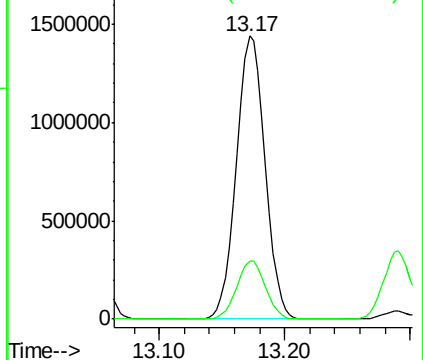
105 100

134 20.7 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.549 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

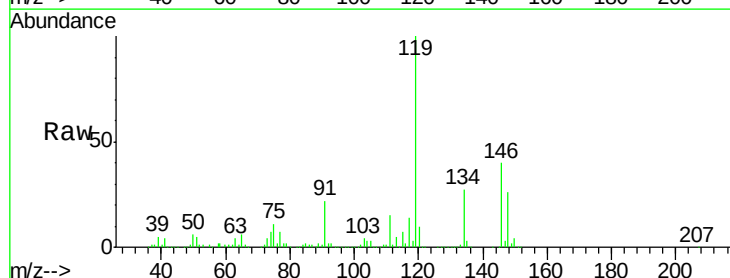
Tgt Ion:119 Resp: 1995559

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

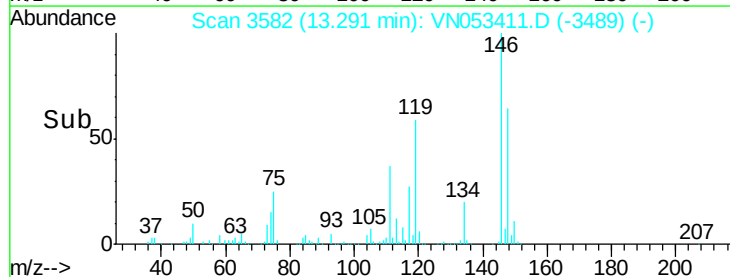
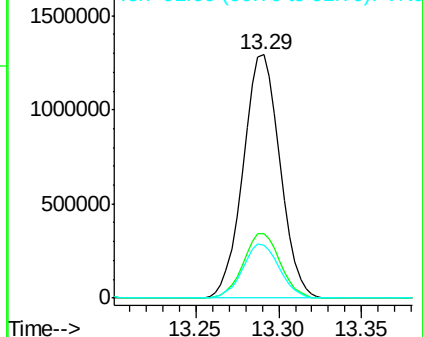
91 22.1 11.1 33.1

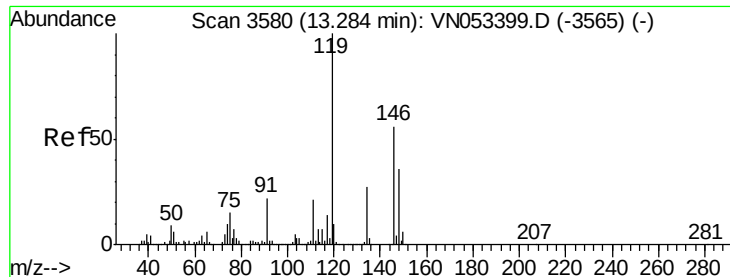


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

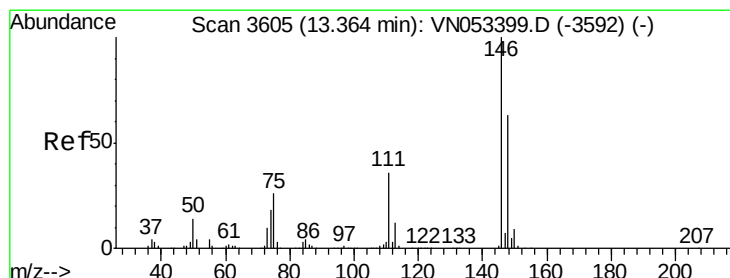
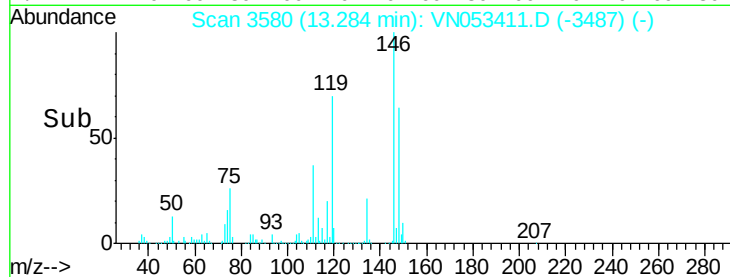
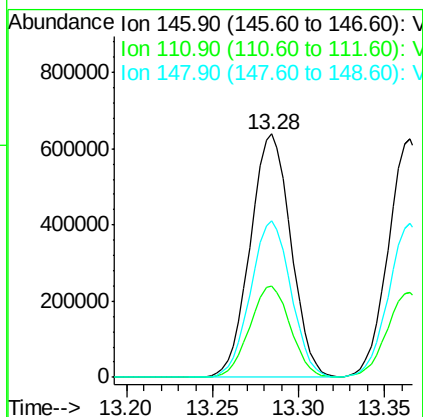
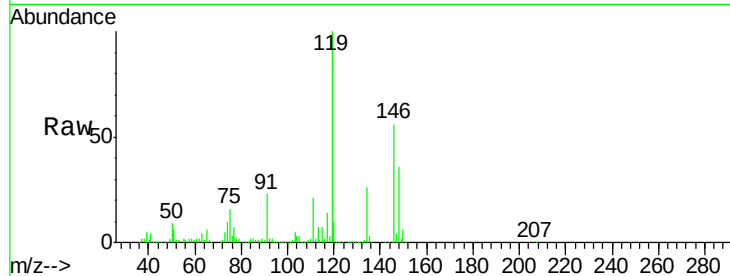




#87
 1,3-Dichlorobenzene
 Concen: 50.038 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

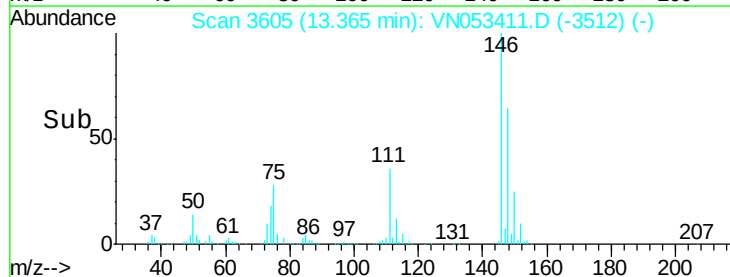
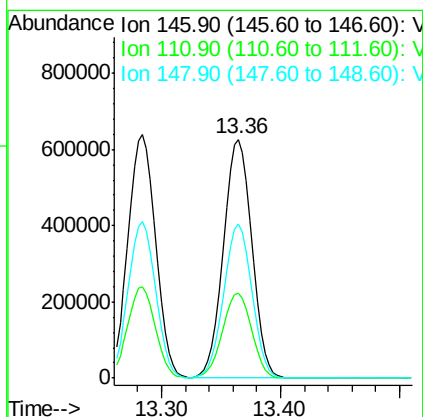
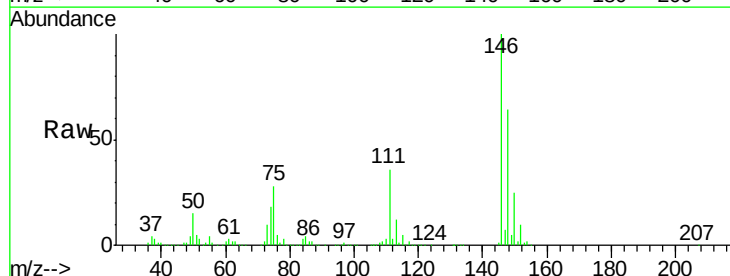
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

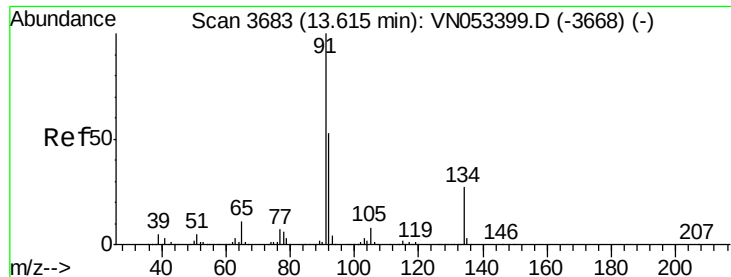
Tot Ion:146 Resp: 1049226
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.9 56.5
 148 64.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.434 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion:146 Resp: 1039779
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.6 55.8
 148 64.2 32.0 96.0





#89

n-Butylbenzene

Concen: 51.220 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053411.D

Acq: 15 Jan 2019 16:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

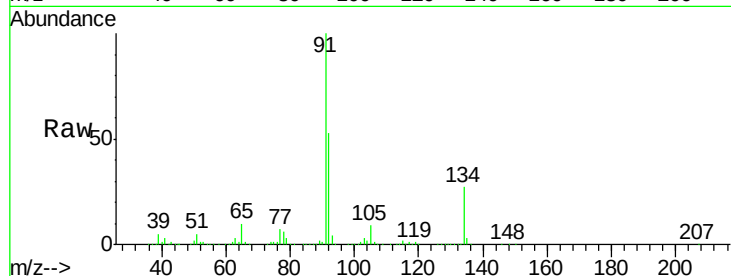
Tot Ion: 91 Resp: 1690184

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.8

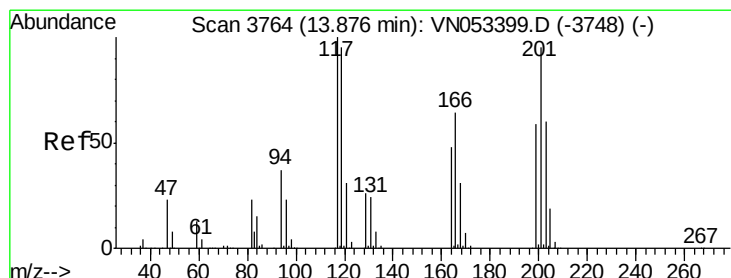
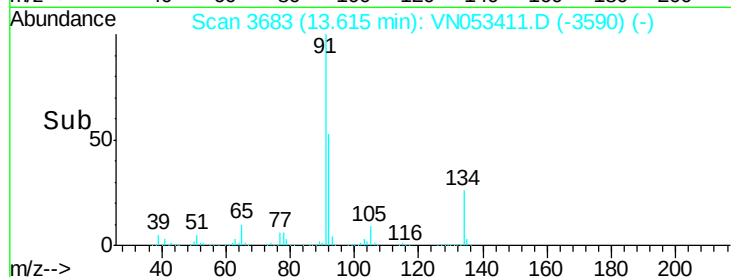
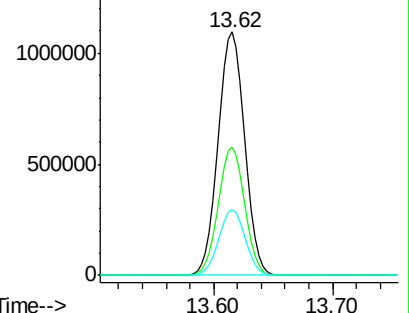
134 26.9 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053411.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053411.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053411.D (-3590) (-)



#90

Hexachloroethane

Concen: 51.100 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053411.D

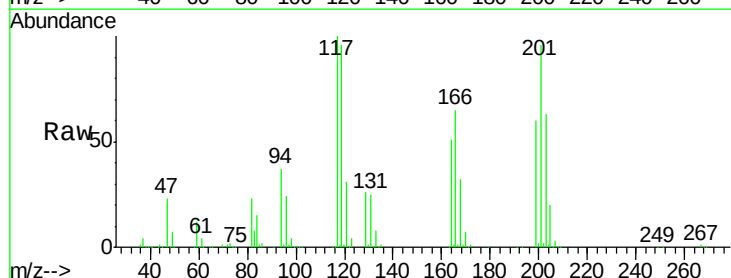
Acq: 15 Jan 2019 16:41

Tgt Ion: 117 Resp: 310250

Ion Ratio Lower Upper

117 100

201 94.9 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053411.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053411.D (-3671) (-)

Ion 201.40 (201.10 to 201.70): VN053411.D (-3671) (-)

Ion 202.10 (201.80 to 202.40): VN053411.D (-3671) (-)

Ion 203.80 (203.50 to 204.10): VN053411.D (-3671) (-)

Ion 204.50 (204.20 to 204.80): VN053411.D (-3671) (-)

Ion 205.20 (204.90 to 205.50): VN053411.D (-3671) (-)

Ion 206.90 (206.60 to 207.20): VN053411.D (-3671) (-)

Ion 207.60 (207.30 to 207.90): VN053411.D (-3671) (-)

Ion 208.30 (208.00 to 208.60): VN053411.D (-3671) (-)

Ion 209.00 (208.70 to 209.30): VN053411.D (-3671) (-)

Ion 209.70 (209.40 to 210.00): VN053411.D (-3671) (-)

Ion 210.40 (210.10 to 210.70): VN053411.D (-3671) (-)

Ion 211.10 (210.80 to 211.40): VN053411.D (-3671) (-)

Ion 211.80 (211.50 to 212.10): VN053411.D (-3671) (-)

Ion 212.50 (212.20 to 212.80): VN053411.D (-3671) (-)

Ion 213.20 (212.90 to 213.50): VN053411.D (-3671) (-)

Ion 213.90 (213.60 to 214.20): VN053411.D (-3671) (-)

Ion 214.60 (214.30 to 214.90): VN053411.D (-3671) (-)

Ion 215.30 (215.00 to 215.60): VN053411.D (-3671) (-)

Ion 216.00 (215.70 to 216.30): VN053411.D (-3671) (-)

Ion 216.70 (216.40 to 217.00): VN053411.D (-3671) (-)

Ion 217.40 (217.10 to 217.70): VN053411.D (-3671) (-)

Ion 218.10 (217.80 to 218.40): VN053411.D (-3671) (-)

Ion 218.80 (218.50 to 219.10): VN053411.D (-3671) (-)

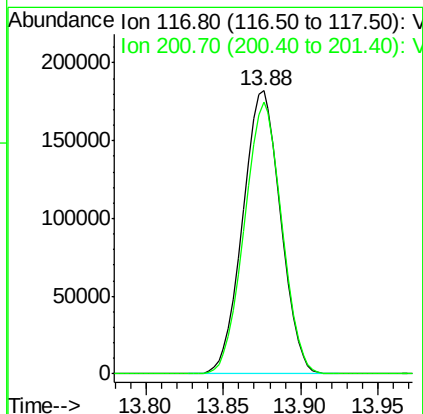
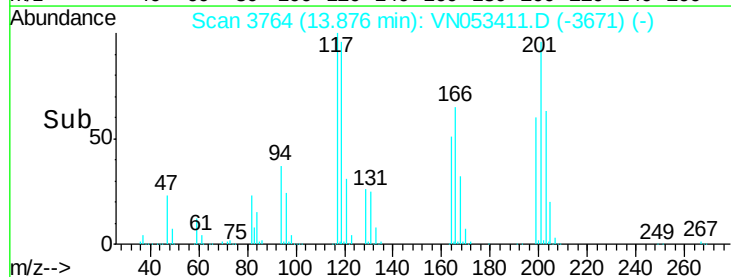
Ion 219.50 (219.20 to 219.80): VN053411.D (-3671) (-)

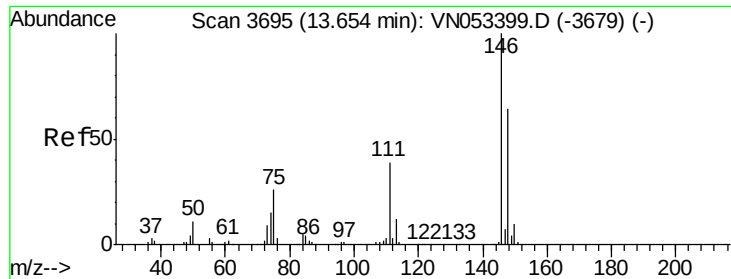
Ion 220.20 (219.90 to 220.50): VN053411.D (-3671) (-)

Ion 220.90 (220.60 to 221.20): VN053411.D (-3671) (-)

Ion 221.60 (221.30 to 221.90): VN053411.D (-3671) (-)

Ion 222.30 (222.00 to 222.60): VN053411.D (-3671) (-)

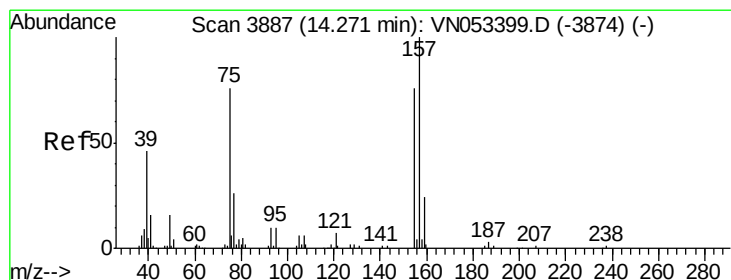
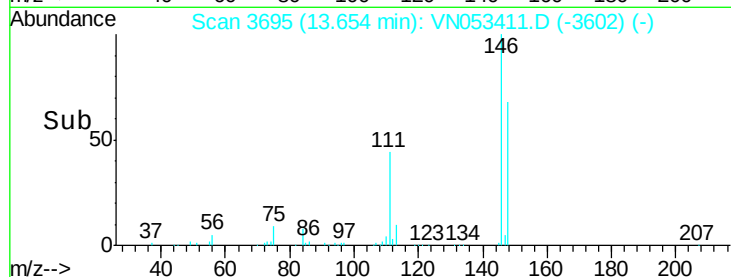
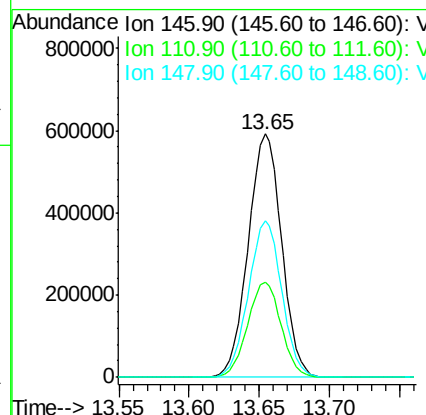
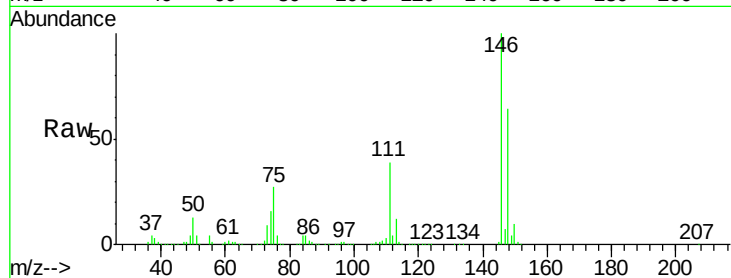




#91
 1,2-Dichlorobenzene
 Concen: 51.068 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

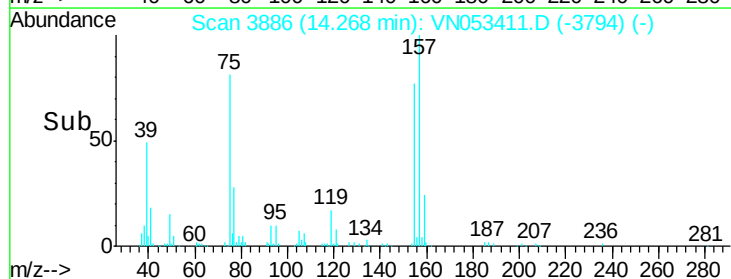
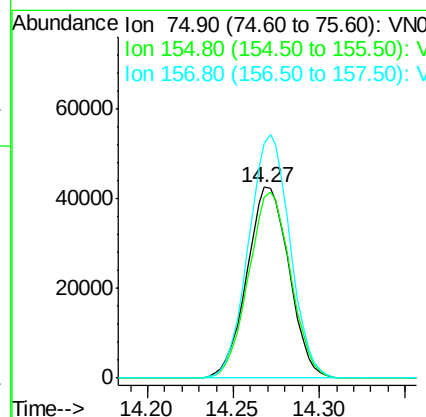
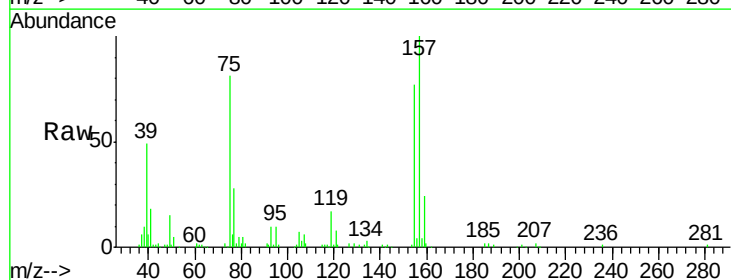
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

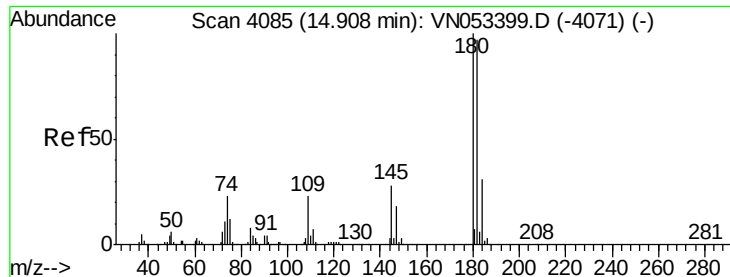
Tot Ion:146 Resp: 985152
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.4 58.2
 148 64.0 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.399 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion: 75 Resp: 72661
 Ion Ratio Lower Upper
 75 100
 155 96.7 48.1 144.3
 157 124.6 61.5 184.4

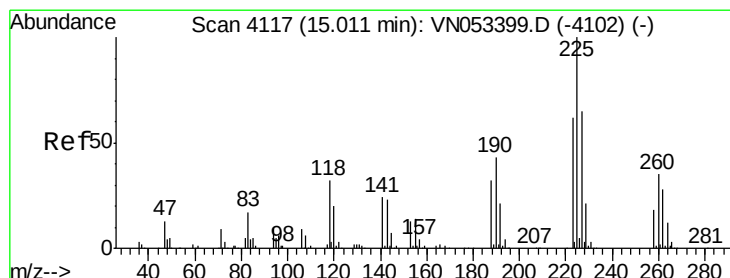
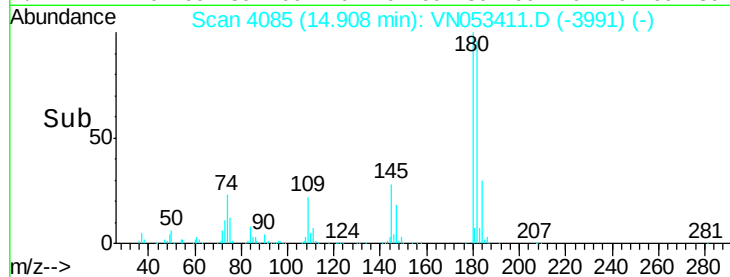
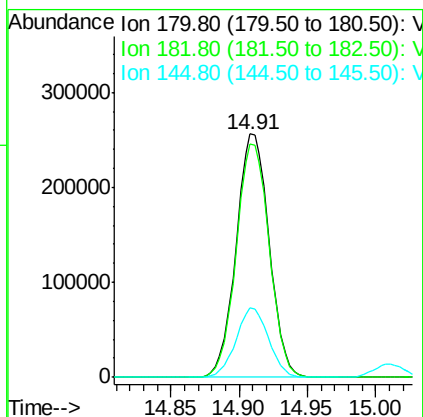
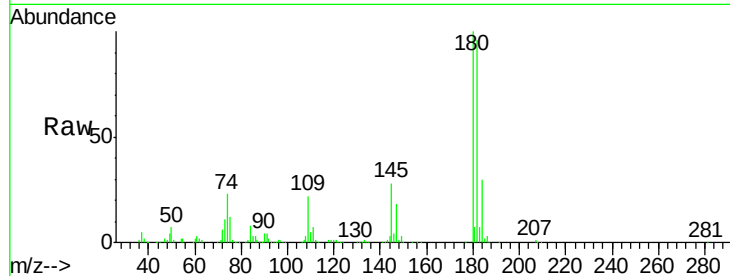




#93
 1,2,4-Trichlorobenzene
 Concen: 50.399 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

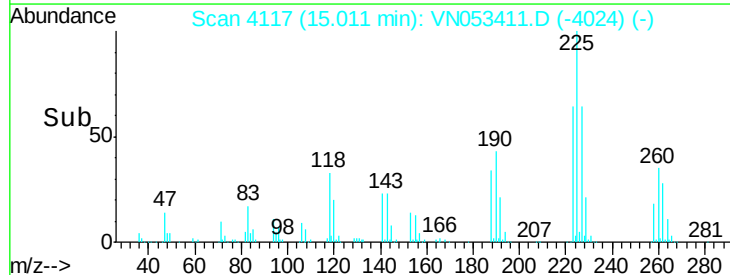
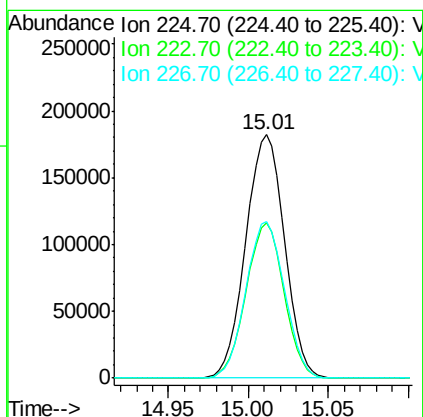
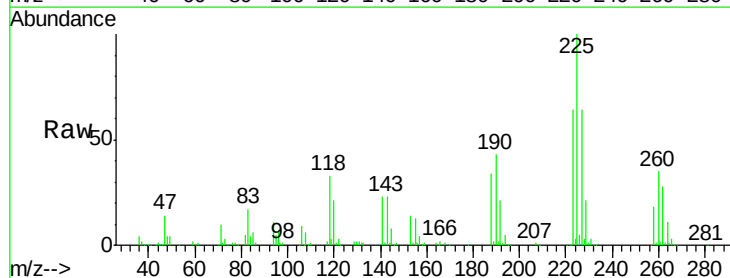
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

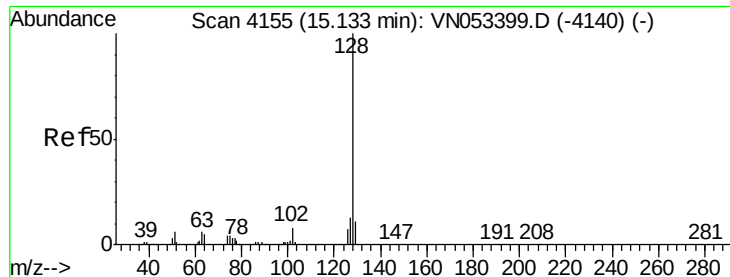
Tot Ion:180 Resp: 429180
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.8 143.4
 145 28.2 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 50.161 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053411.D
 Acq: 15 Jan 2019 16:41

Tgt Ion:225 Resp: 301859
 Ion Ratio Lower Upper
 225 100
 223 62.3 30.9 92.8
 227 64.1 31.4 94.2

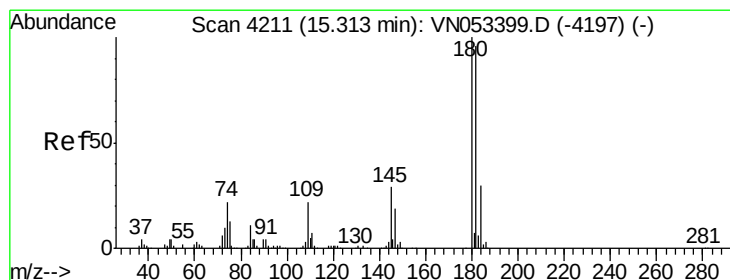
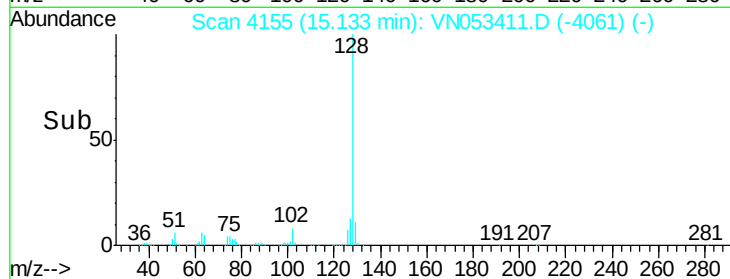
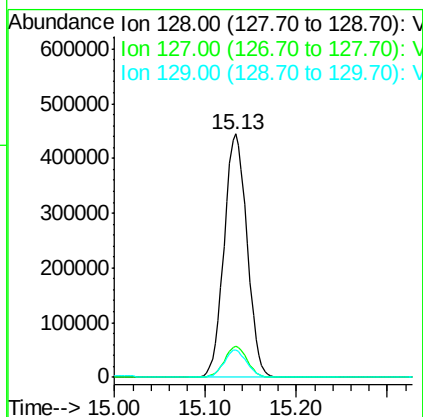
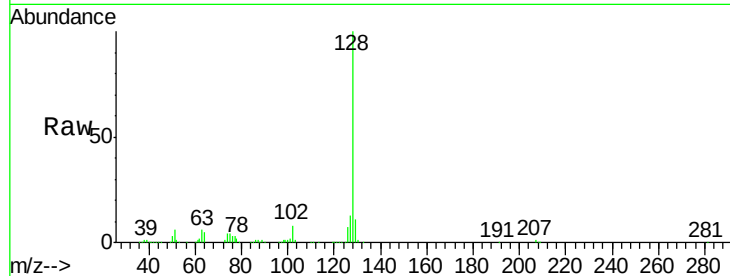




#95
Naphthalene
Concen: 52.070 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 780242
Ion Ratio Lower Upper
128 100
127 12.6 10.4 15.6
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 51.042 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053411.D
Acq: 15 Jan 2019 16:41

Tgt Ion:180 Resp: 318451
Ion Ratio Lower Upper
180 100
182 95.6 48.4 145.0
145 29.8 14.9 44.5

