

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021819\
 Data File : VN053830.D
 Acq On : 18 Feb 2019 9:02
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 19 03:15:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	751818	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1100610	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	960749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	371095	49.20	ug/l	0.00
Spiked Amount			Recovery	=	98.40%	
35) Dibromofluoromethane	7.59	113	360859	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
50) Toluene-d8	10.09	98	1321920	50.62	ug/l	0.00
Spiked Amount			Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.40	95	419783	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	339027	40.067	ug/l	100
3) Chloromethane	2.06	50	366480	41.059	ug/l	98
4) Vinyl Chloride	2.19	62	384774	44.408	ug/l	100
5) Bromomethane	2.57	94	257449	45.444	ug/l	97
6) Chloroethane	2.71	64	232399	46.937	ug/l	100
7) Trichlorofluoromethane	3.02	101	566462	48.211	ug/l	98
8) Diethyl Ether	3.41	74	198742	46.316	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	362556	49.893	ug/l	99
10) Methyl Iodide	3.96	142	512707	44.953	ug/l	99
11) Tert butyl alcohol	4.78	59	115122	257.910	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	323208	46.424	ug/l	97
13) Acrolein	3.60	56	89903	369.931	ug/l	98
14) Allyl chloride	4.32	41	514025	46.371	ug/l	99
15) Acrylonitrile	4.99	53	615328	255.354	ug/l	99
16) Acetone	3.81	43	652047	337.047	ug/l	99
17) Carbon Disulfide	4.06	76	875854	40.402	ug/l	99
18) Methyl Acetate	4.32	43	315636	55.091	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	886570	50.233	ug/l	99
20) Methylene Chloride	4.55	84	375931	46.318	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	345192	45.958	ug/l	97
22) Diisopropyl ether	5.95	45	1029262	50.111	ug/l	96
23) Vinyl Acetate	5.89	43	3422594	240.875	ug/l	98
24) 1,1-Dichloroethane	5.85	63	647745	47.282	ug/l	99
25) 2-Butanone	6.83	43	749771	271.740	ug/l	98
26) 2,2-Dichloropropane	6.82	77	516014	49.342	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	403980	48.369	ug/l	98
28) Bromochloromethane	7.19	49	290783	48.911	ug/l	97
29) Tetrahydrofuran	7.21	42	431227	243.393	ug/l	97
30) Chloroform	7.37	83	654777	48.214	ug/l	99
31) Cyclohexane	7.65	56	555199	43.506	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	548672	48.547	ug/l	99
36) 1,1-Dichloropropene	7.79	75	482295	48.612	ug/l	98
37) Ethyl Acetate	6.92	43	276732	49.942	ug/l	97
38) Carbon Tetrachloride	7.77	117	489648	48.991	ug/l	99

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

39) Methylcyclohexane	9.08	83	581727	49.422	ug/l	98
40) Benzene	8.04	78	1481675	48.429	ug/l	99
41) Methacrylonitrile	7.18	41	176524m	57.000	ug/l	
42) 1,2-Dichloroethane	8.12	62	440832	48.527	ug/l	100
43) Isopropyl Acetate	8.16	43	496270	46.376	ug/l	98
44) Trichloroethene	8.83	130	422296	48.483	ug/l	100
45) 1,2-Dichloropropane	9.12	63	392290	50.131	ug/l	99
46) Dibromomethane	9.21	93	232647	49.318	ug/l	97
47) Bromodichloromethane	9.40	83	496707	50.643	ug/l	99
48) Methyl methacrylate	9.20	41	240770	47.135	ug/l	91
49) 1,4-Dioxane	9.20	88	74854	1010.883	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	1375005	261.482	ug/l	100
52) Toluene	10.16	92	905475	49.867	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	500605	50.971	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	588787	50.591	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	339323	51.860	ug/l	98
56) Ethyl methacrylate	10.43	69	396727	51.254	ug/l	99
57) 1,3-Dichloropropane	10.71	76	554076	49.549	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	907163	190.931	ug/l	98
59) 2-Hexanone	10.75	43	933224	261.418	ug/l	99
60) Dibromochloromethane	10.90	129	383002	51.908	ug/l	100
61) 1,2-Dibromoethane	11.00	107	321562	49.654	ug/l	99
64) Tetrachloroethene	10.63	164	413262	50.179	ug/l	98
65) Chlorobenzene	11.43	112	997408	48.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	371179	52.080	ug/l	100
67) Ethyl Benzene	11.51	91	1663318	49.617	ug/l	100
68) m/p-Xylenes	11.62	106	1305405	102.029	ug/l	98
69) o-Xylene	11.95	106	631154	51.061	ug/l	98
70) Styrene	11.96	104	1035000	51.661	ug/l	99
71) Bromoform	12.13	173	266275	54.496	ug/l #	99
73) Isopropylbenzene	12.25	105	1632835	52.118	ug/l	99
74) N-amyl acetate	12.07	43	392238	52.064	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	356810	47.587	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	312270m	54.552	ug/l	
77) Bromobenzene	12.53	156	414074	49.040	ug/l	96
78) n-propylbenzene	12.59	91	1827638	50.463	ug/l	100
79) 2-Chlorotoluene	12.67	91	1063994	49.518	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1347775	51.877	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	102624	50.411	ug/l	98
82) 4-Chlorotoluene	12.77	91	1074264	48.722	ug/l	99
83) tert-Butylbenzene	12.99	119	1186588	51.677	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1372458	51.852	ug/l	100
85) sec-Butylbenzene	13.17	105	1629894	52.163	ug/l	99
86) p-Isopropyltoluene	13.29	119	1428938	52.289	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	753920	49.670	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	733927	48.881	ug/l	99
89) n-Butylbenzene	13.62	91	1233607	52.153	ug/l	100
90) Hexachloroethane	13.88	117	246596	54.706	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	722246	49.703	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53811	50.357	ug/l	99

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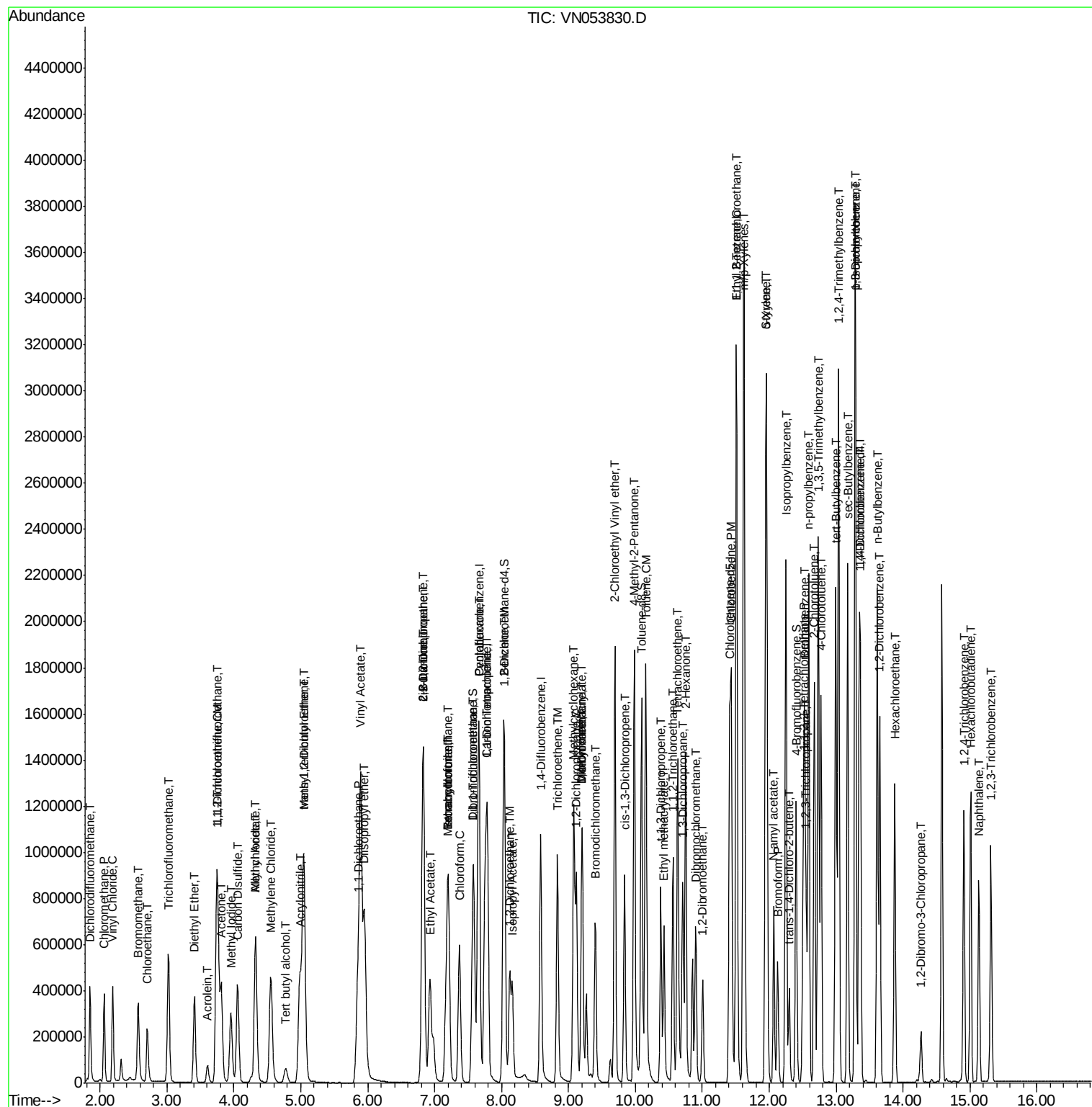
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	415753	49.886	ug/l	100
94) Hexachlorobutadiene	15.01	225	288337	55.555	ug/l	100
95) Naphthalene	15.13	128	783299	40.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	387341	50.089	ug/l	100

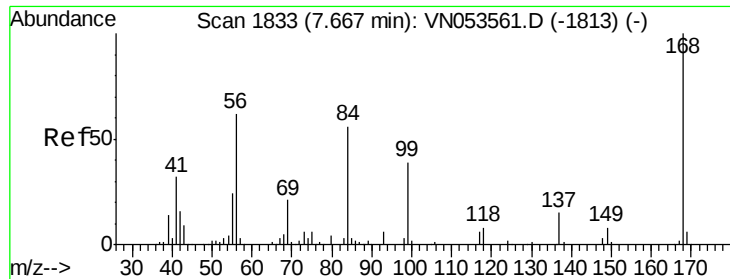
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

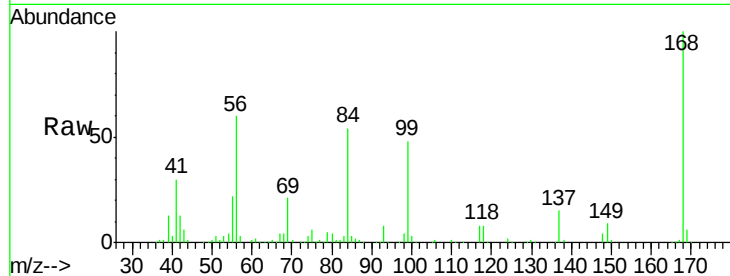
VSTDCCC050

Tot Ion:168 Resp: 751818

Ion Ratio Lower Upper

168 100

99 47.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

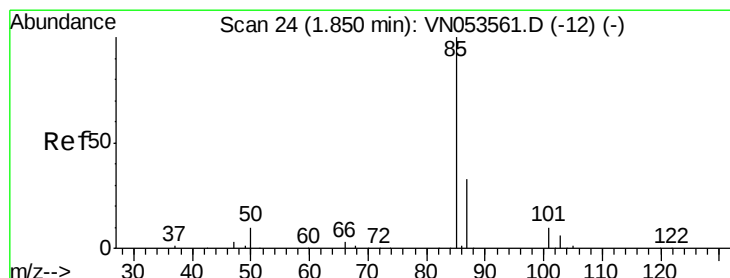
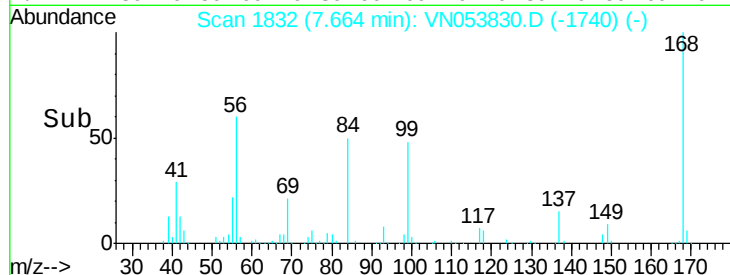
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.067 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053830.D

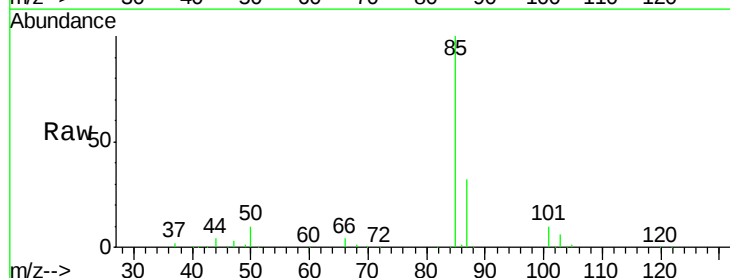
Acq: 18 Feb 2019 9:02

Tgt Ion: 85 Resp: 339027

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

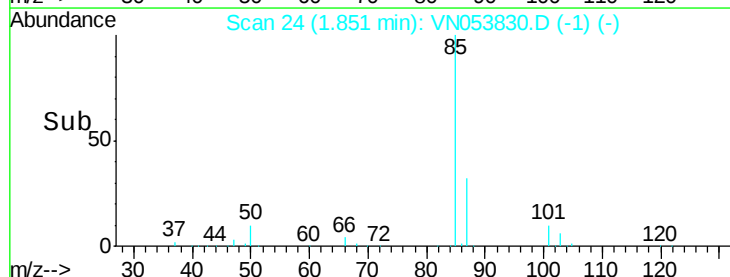
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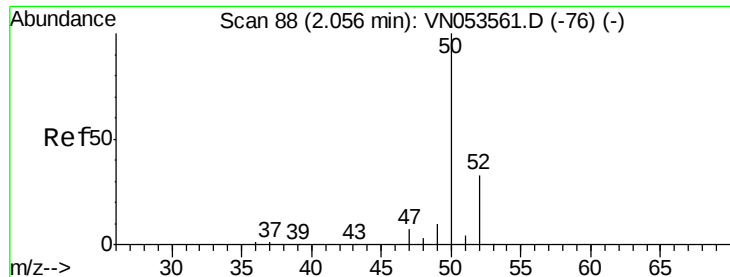
100000

50000

0

Time-->





#3

Chloromethane

Concen: 41.059 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

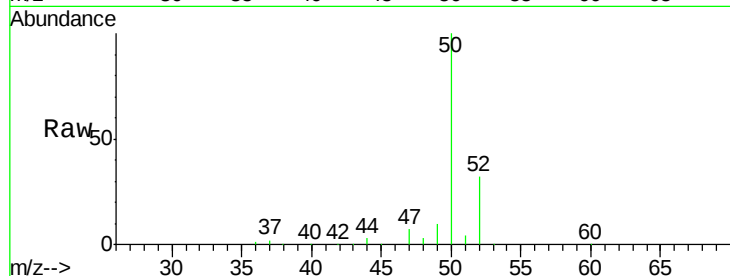
VSTDCCC050

Tot Ion: 50 Resp: 366480

Ion Ratio Lower Upper

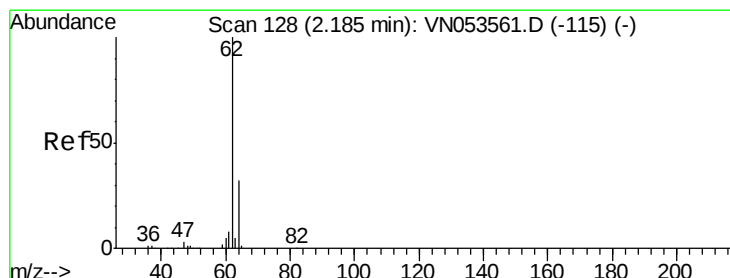
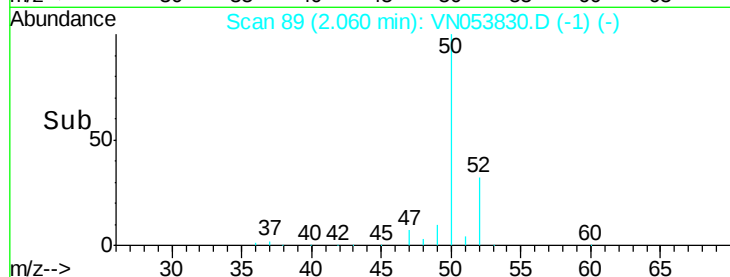
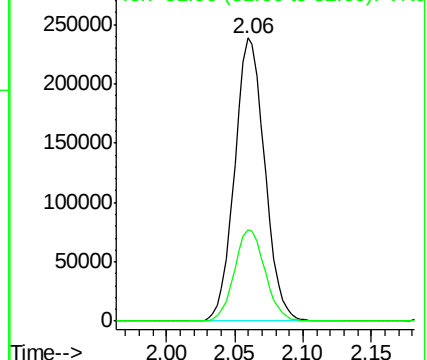
50 100

52 32.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.408 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053830.D

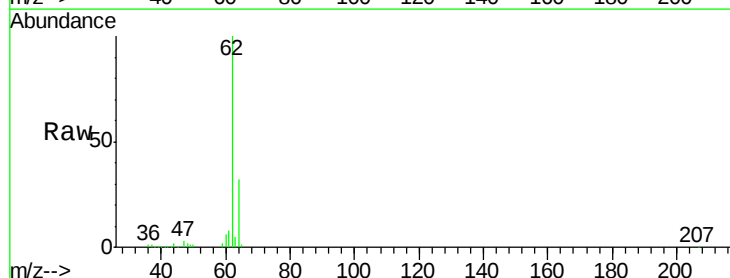
Acq: 18 Feb 2019 9:02

Tgt Ion: 62 Resp: 384774

Ion Ratio Lower Upper

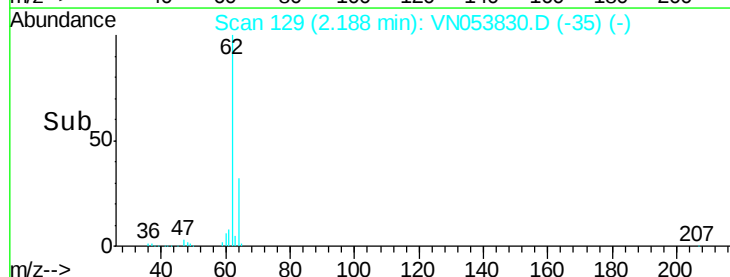
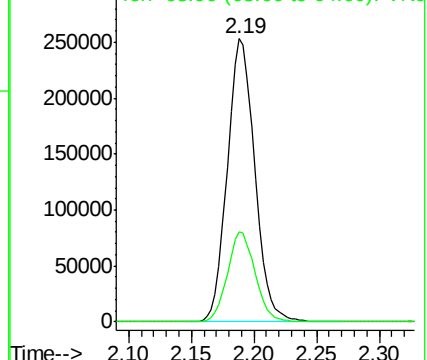
62 100

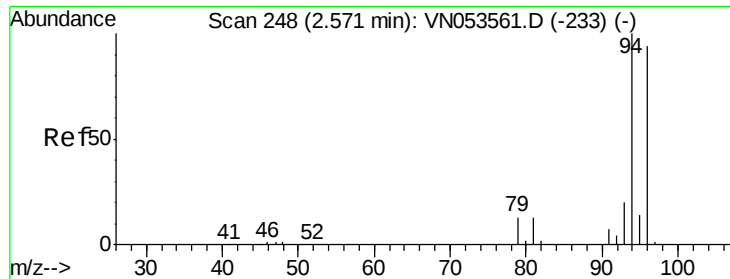
64 32.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 45.444 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

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ClientSampleId :

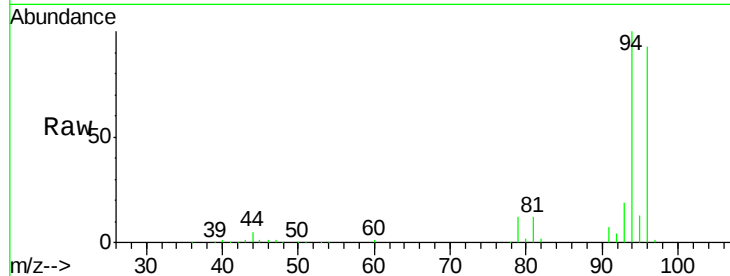
VSTDCCC050

Tot Ion: 94 Resp: 257449

Ion Ratio Lower Upper

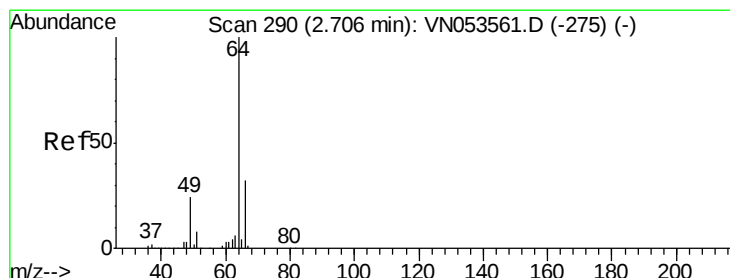
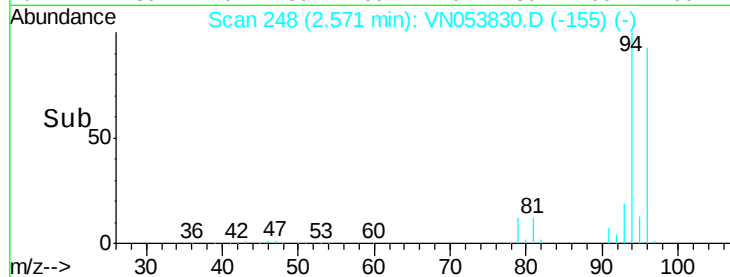
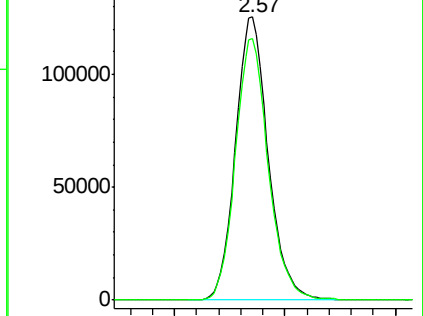
94 100

96 92.6 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 46.937 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053830.D

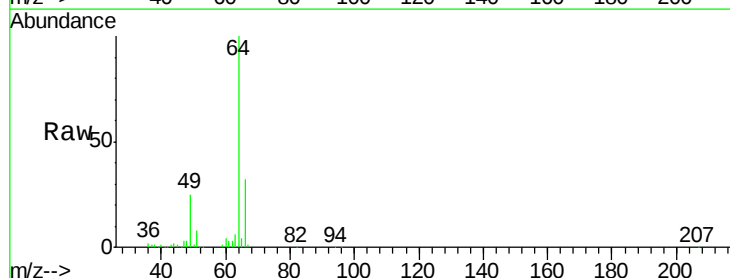
Acq: 18 Feb 2019 9:02

Tgt Ion: 64 Resp: 232399

Ion Ratio Lower Upper

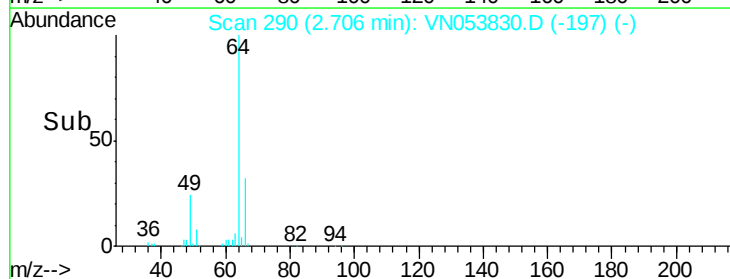
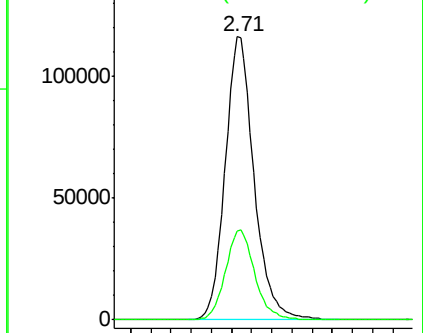
64 100

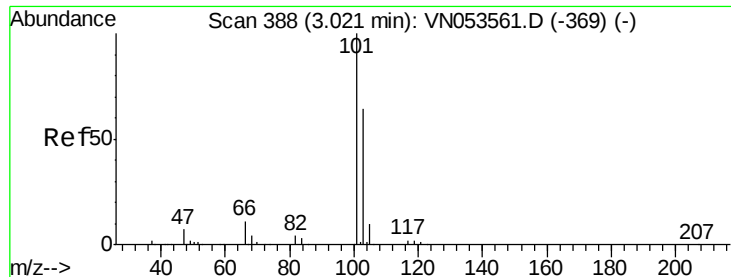
66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



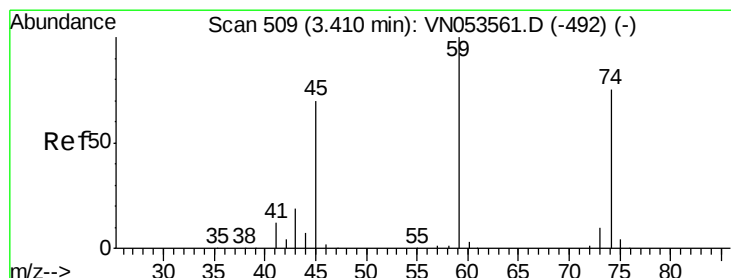
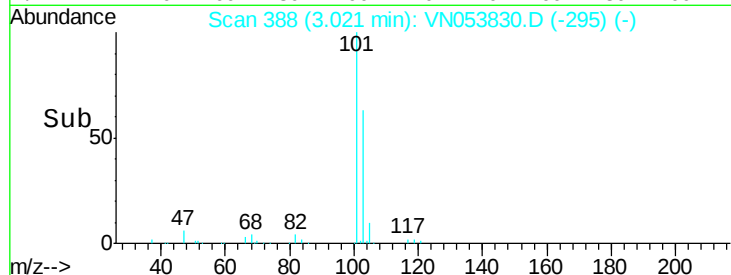
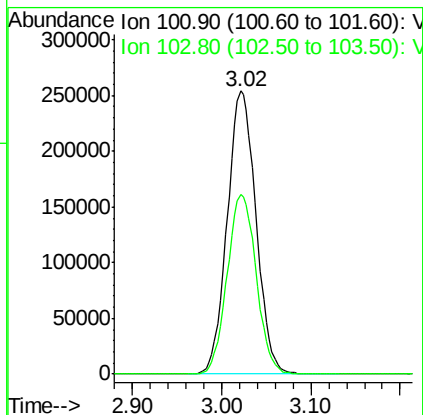
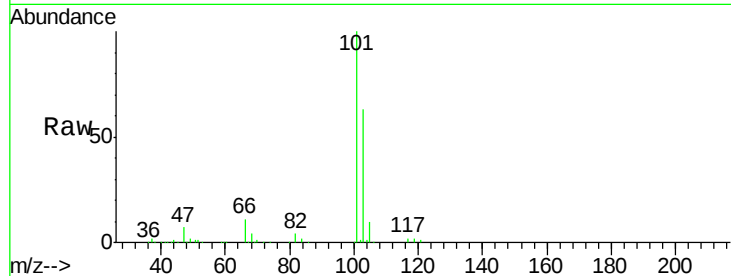


#7

Trichlorofluoromethane
 Concen: 48.211 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Instrument :
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 VSTDCCC050

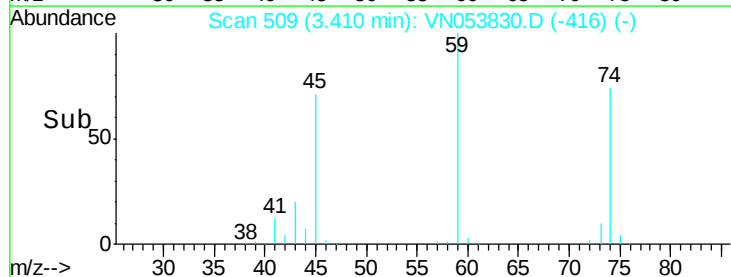
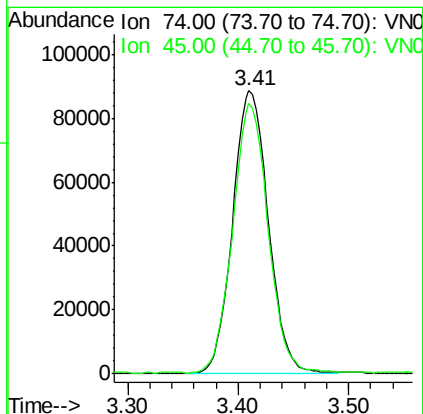
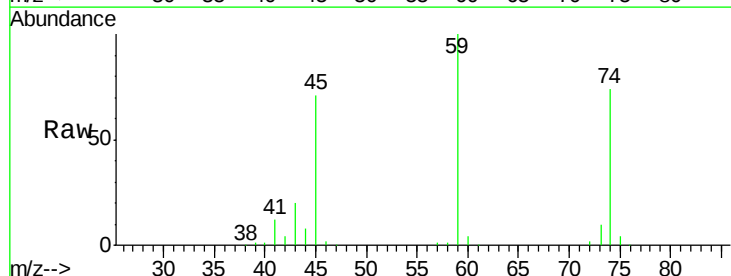
Tot Ion:101 Resp: 566462
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.6 77.4

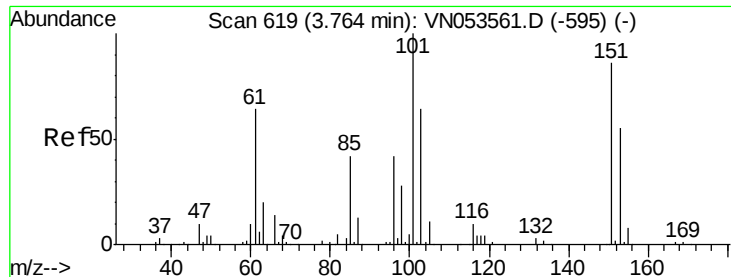


#8

Diethyl Ether
 Concen: 46.316 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Tgt Ion: 74 Resp: 198742
 Ion Ratio Lower Upper
 74 100
 45 94.3 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.893 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

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VSTDCCC050

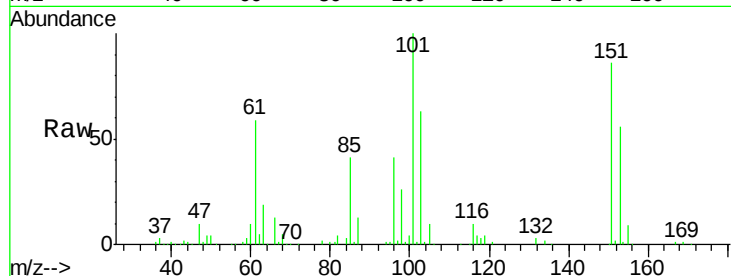
Tot Ion:101 Resp: 362556

Ion Ratio Lower Upper

101 100

85 40.8 32.8 49.2

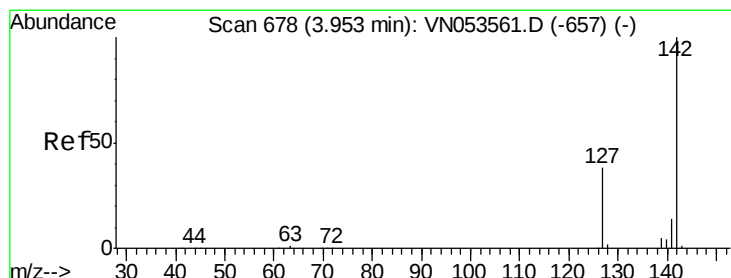
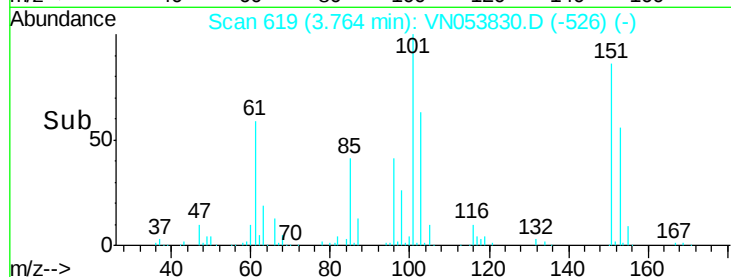
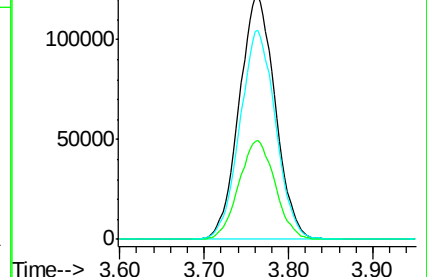
151 85.1 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.953 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

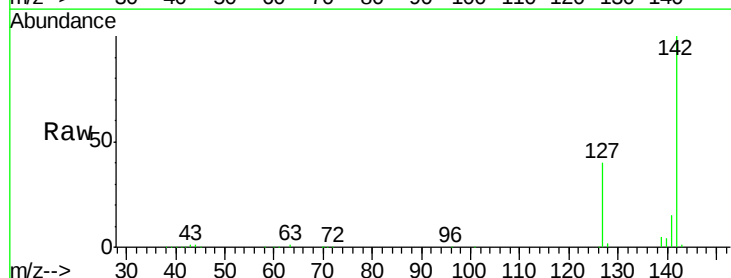
Tgt Ion:142 Resp: 512707

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

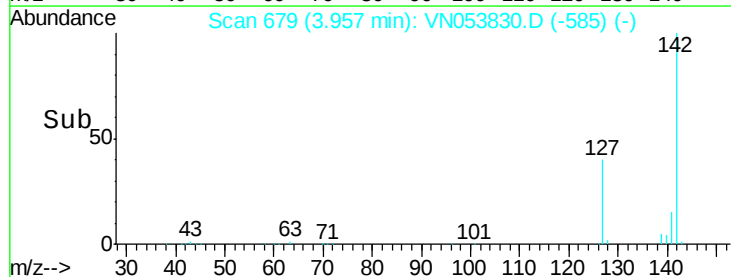
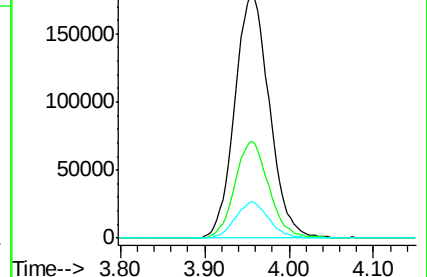
141 14.3 11.1 16.7

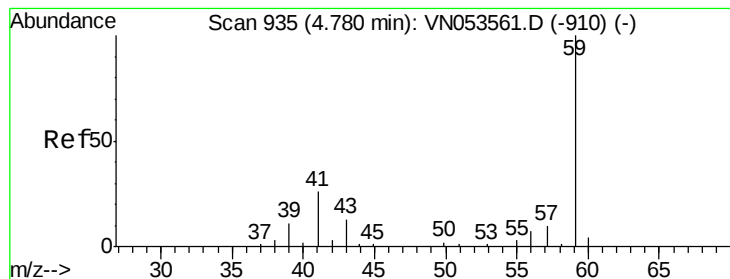


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



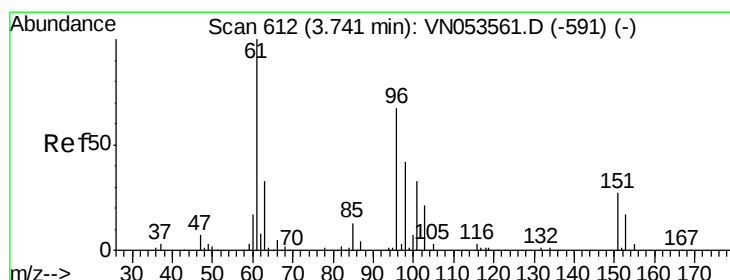
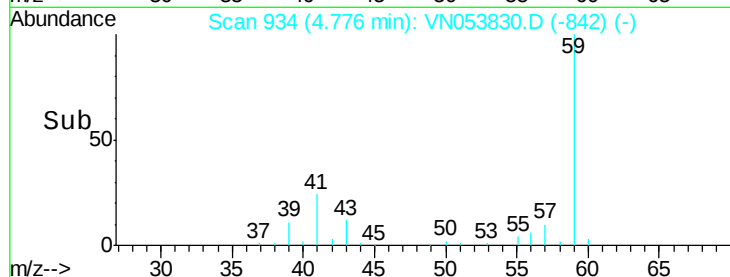
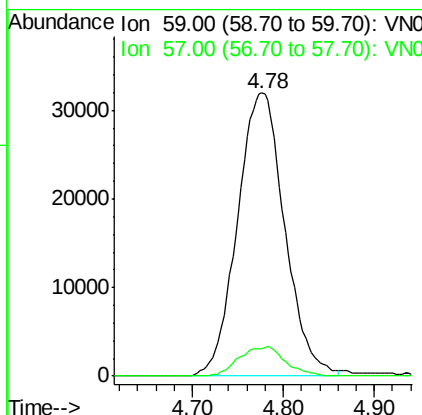
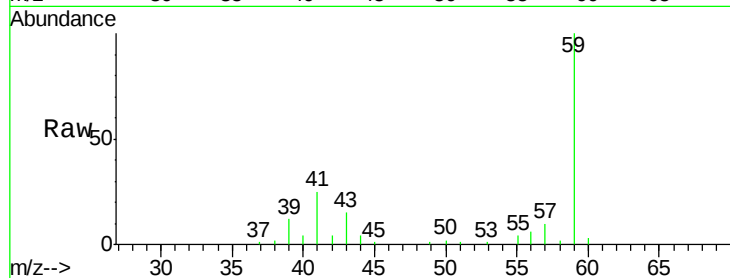


#11

Tert butyl alcohol
Concen: 257.910 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

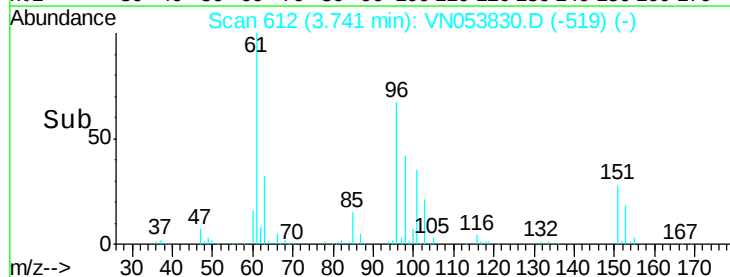
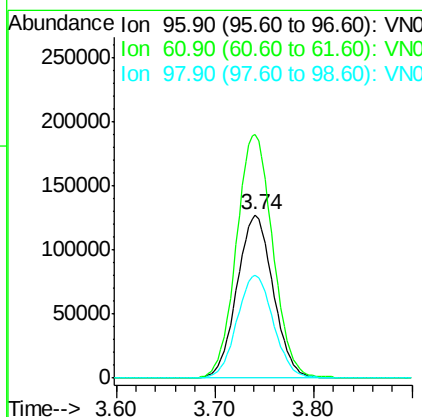
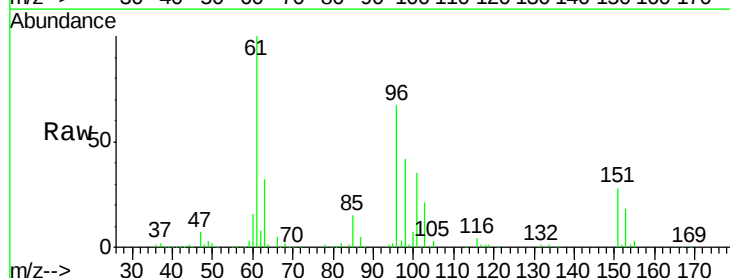
Tot Ion: 59 Resp: 115122
Ion Ratio Lower Upper
59 100
57 4.8 8.2 12.4#

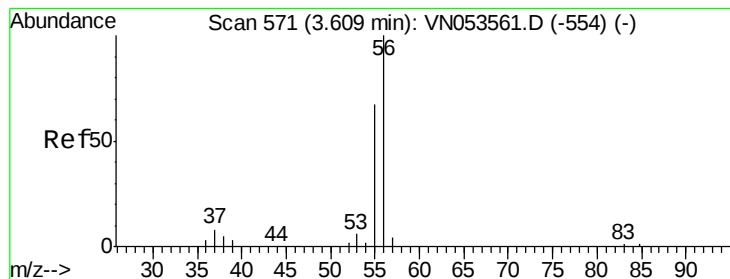


#12

1,1-Dichloroethene
Concen: 46.424 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 96 Resp: 323208
Ion Ratio Lower Upper
96 100
61 149.4 122.9 184.3
98 63.0 49.4 74.0





#13

Acrolein

Concen: 369.931 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

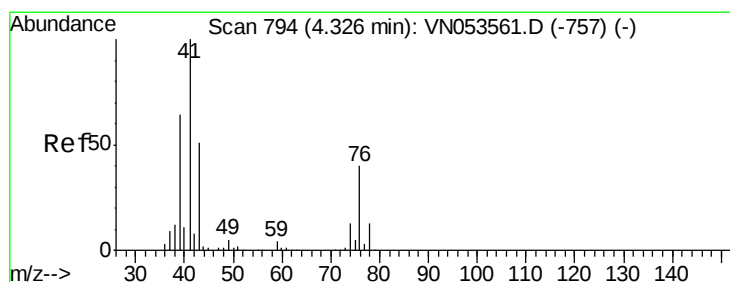
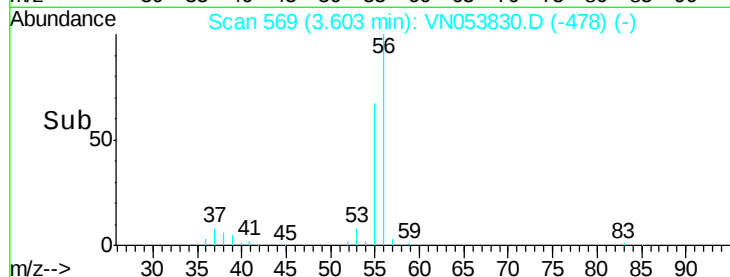
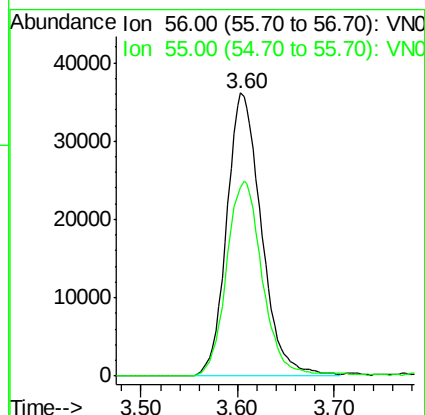
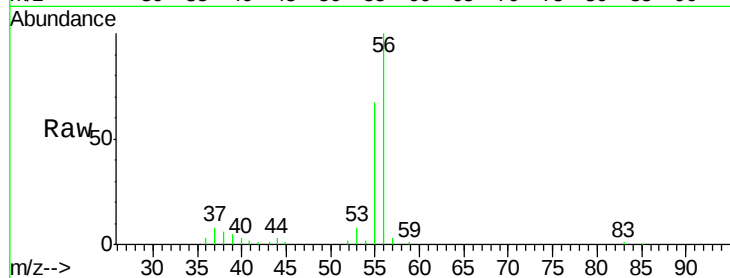
VSTDCCC050

Tot Ion: 56 Resp: 89903

Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.0



#14

Allyl chloride

Concen: 46.371 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

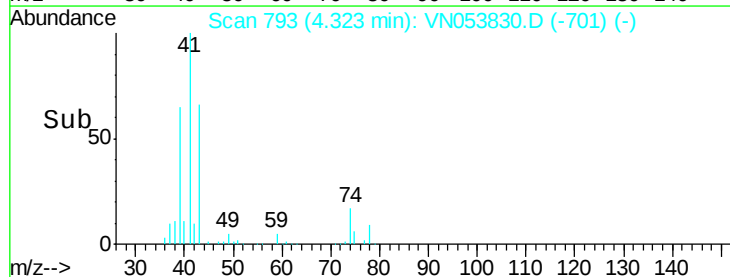
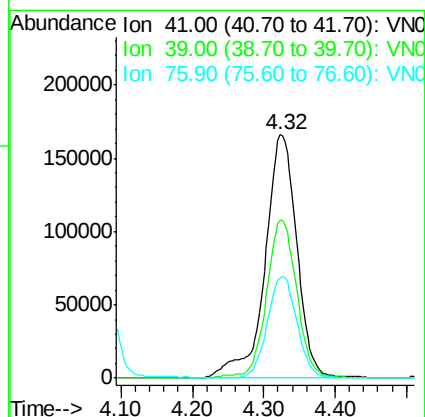
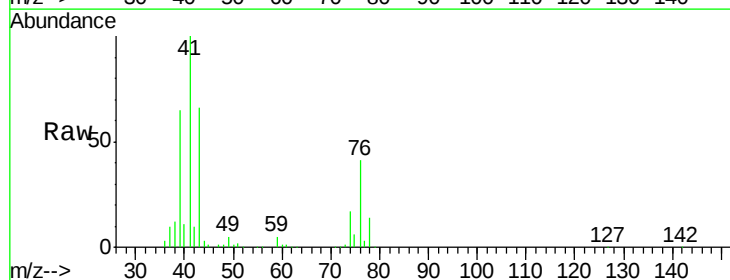
Tgt Ion: 41 Resp: 514025

Ion Ratio Lower Upper

41 100

39 61.7 48.9 73.3

76 38.3 29.4 44.2





#15

Acrylonitrile

Concen: 255.354 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

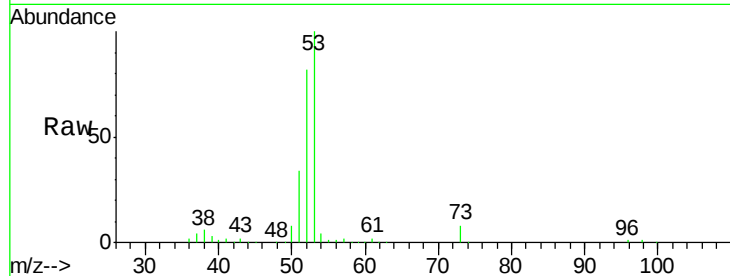
Tot Ion: 53 Resp: 615328

Ion Ratio Lower Upper

53 100

52 81.0 66.0 99.0

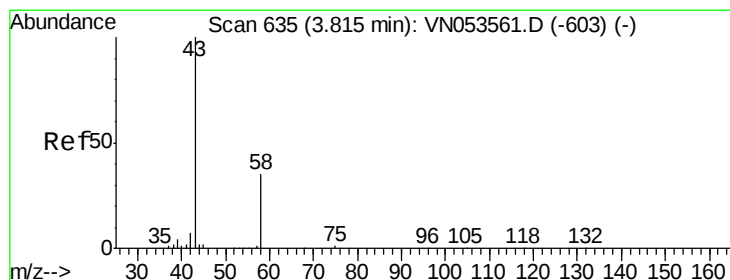
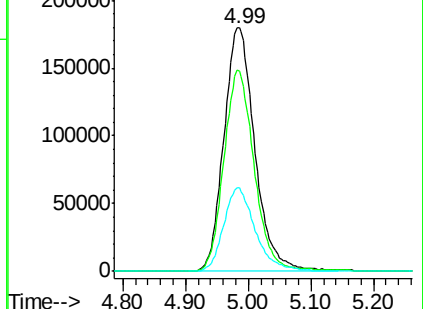
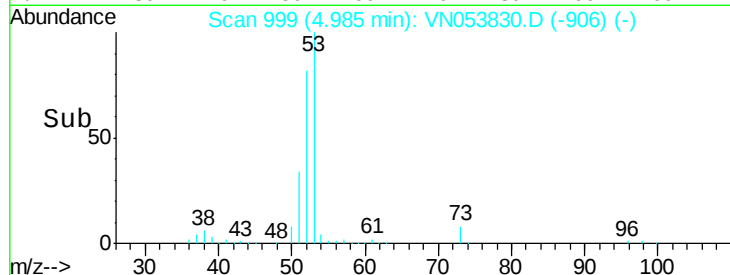
51 35.1 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053830.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN053830.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN053830.D (-906) (-)



#16

Acetone

Concen: 337.047 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053830.D

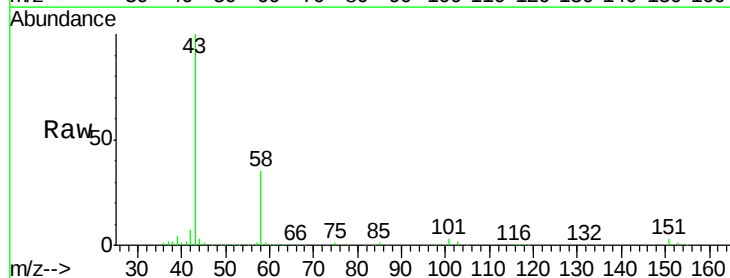
Acq: 18 Feb 2019 9:02

Tgt Ion: 43 Resp: 652047

Ion Ratio Lower Upper

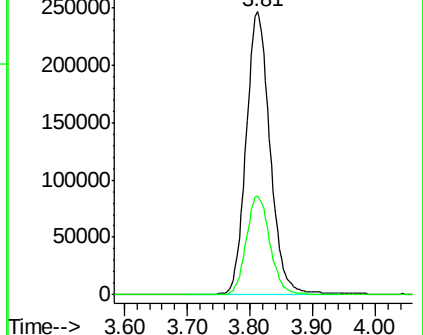
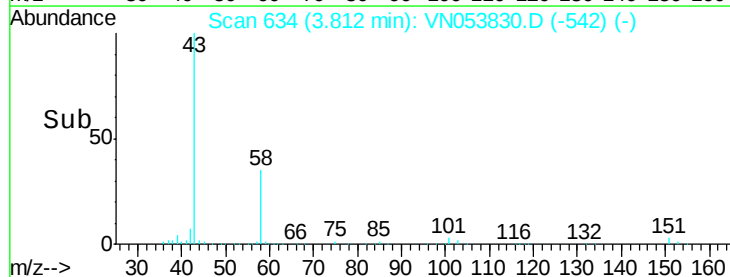
43 100

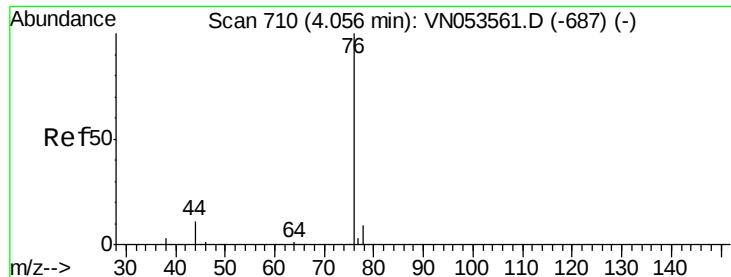
58 34.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053830.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN053830.D (-542) (-)

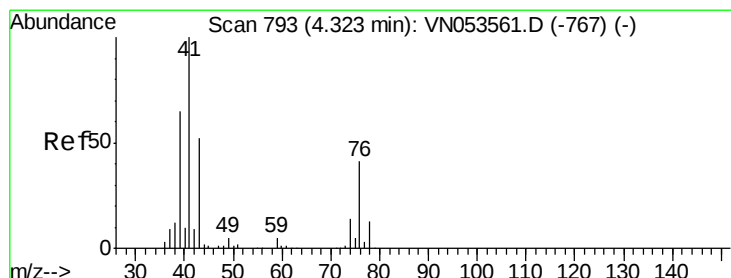
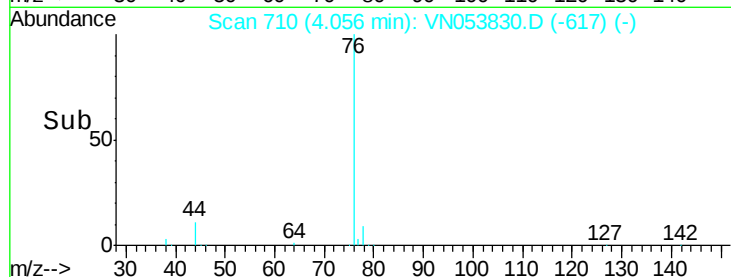
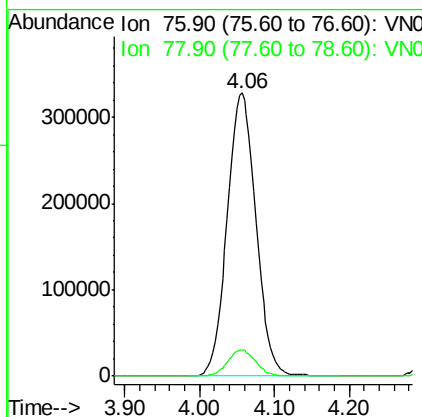
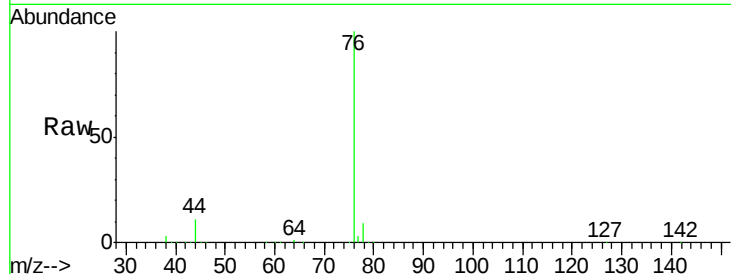




#17
Carbon Disulfide
Concen: 40.402 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

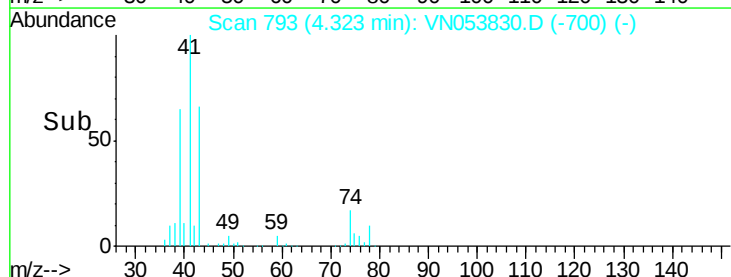
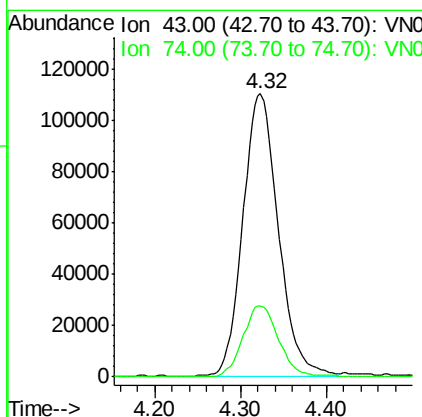
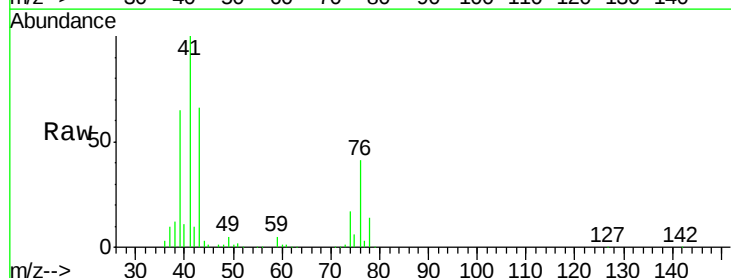
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

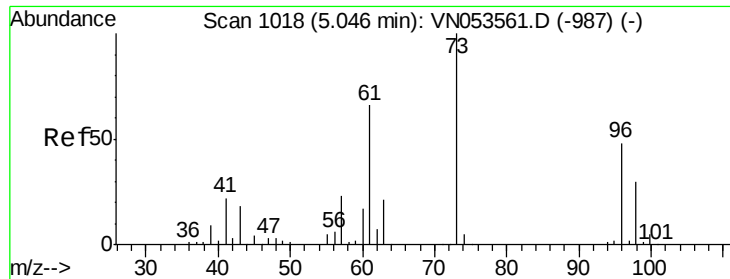
Tot Ion: 76 Resp: 875854
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 55.091 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 43 Resp: 315636
Ion Ratio Lower Upper
43 100
74 25.3 19.4 29.2

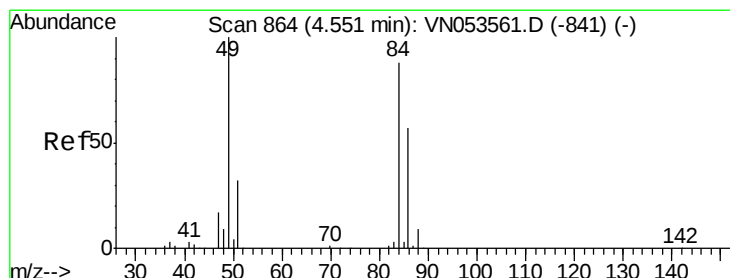
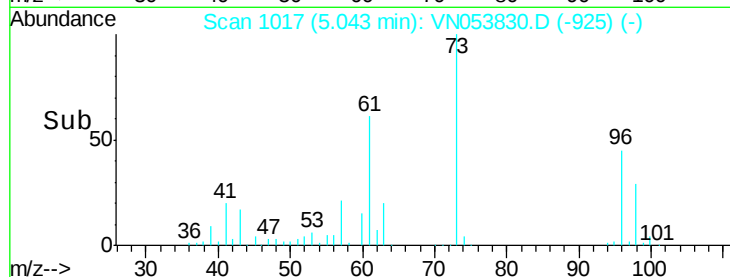
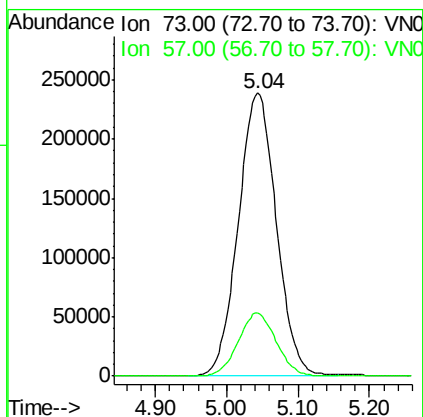
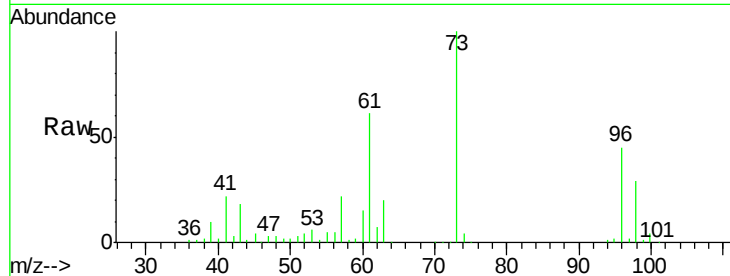




#19
Methyl tert-butyl Ether
Concen: 50.233 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

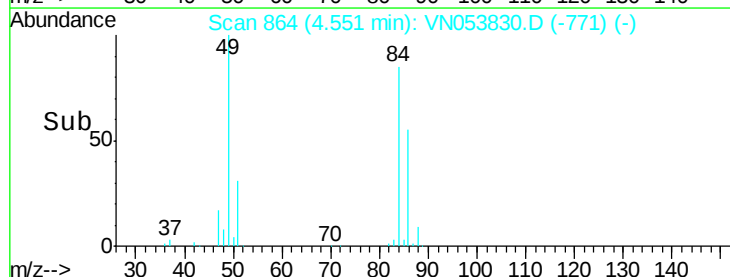
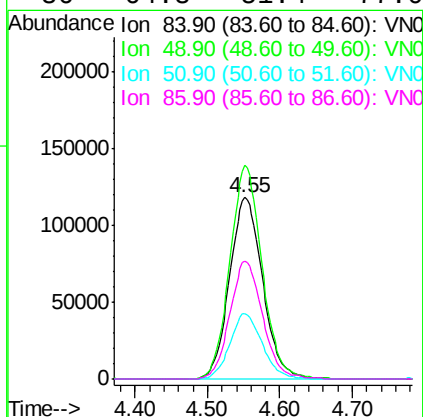
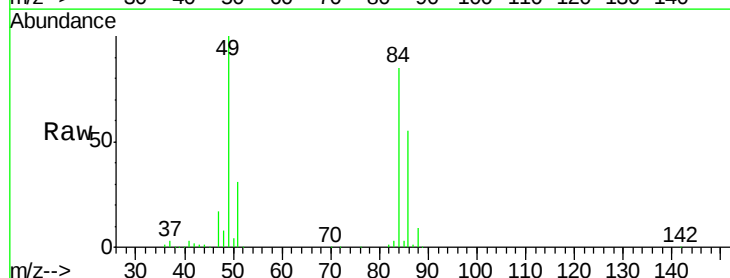
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

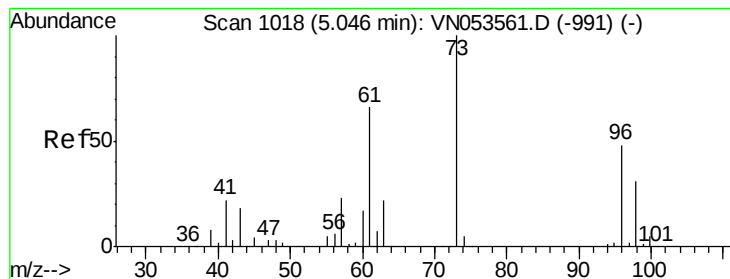
Tot Ion: 73 Resp: 886570
Ion Ratio Lower Upper
73 100
57 22.2 18.3 27.5



#20
Methylene Chloride
Concen: 46.318 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 84 Resp: 375931
Ion Ratio Lower Upper
84 100
49 117.7 94.3 141.5
51 35.9 29.4 44.2
86 64.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 45.958 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

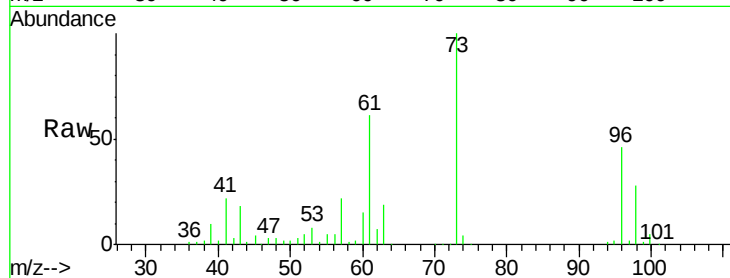
Tot Ion: 96 Resp: 345192

Ion Ratio Lower Upper

96 100

61 133.3 110.1 165.1

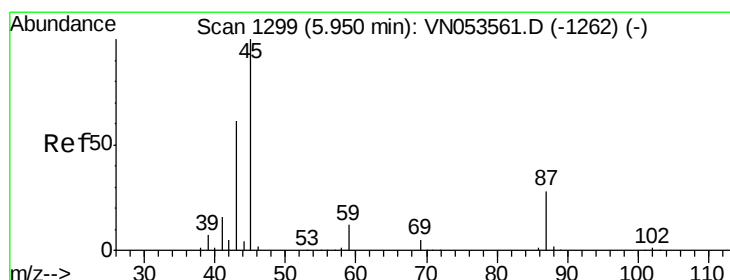
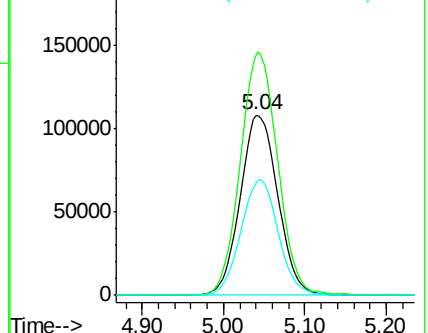
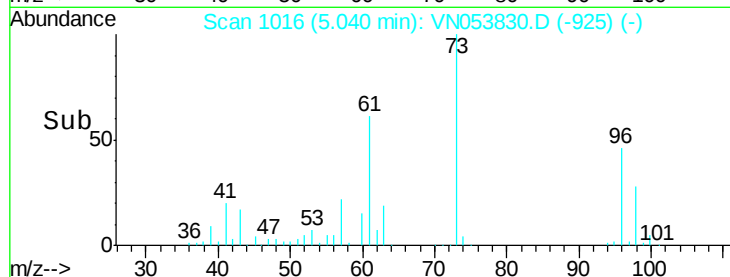
98 62.1 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN053830.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN053830.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN053830.D (-925) (-)



#22

Diisopropyl ether

Concen: 50.111 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Tgt Ion: 45 Resp: 1029262

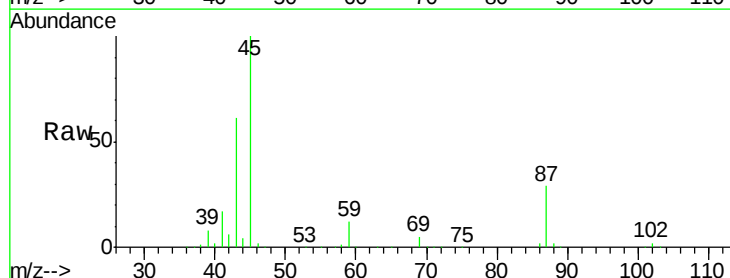
Ion Ratio Lower Upper

45 100

43 60.4 44.2 66.4

87 28.8 22.7 34.1

59 11.9 9.4 14.2

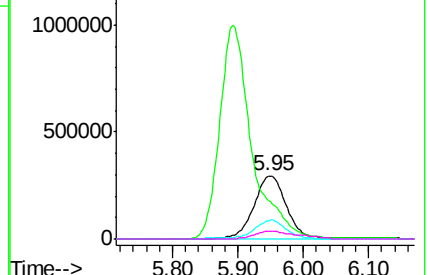
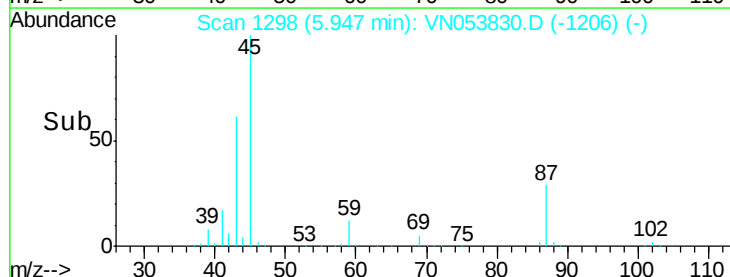


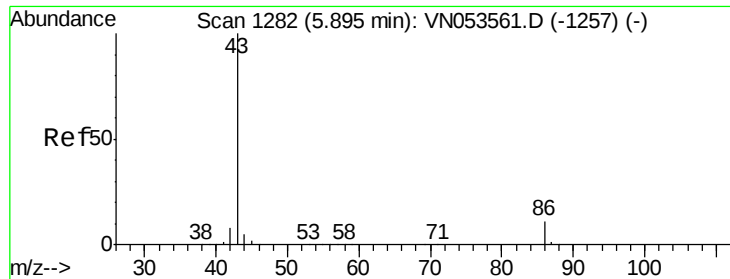
Abundance Ion 45.00 (44.70 to 45.70): VN053830.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053830.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053830.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053830.D (-1206) (-)





#23

Vinyl Acetate

Concen: 240.875 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

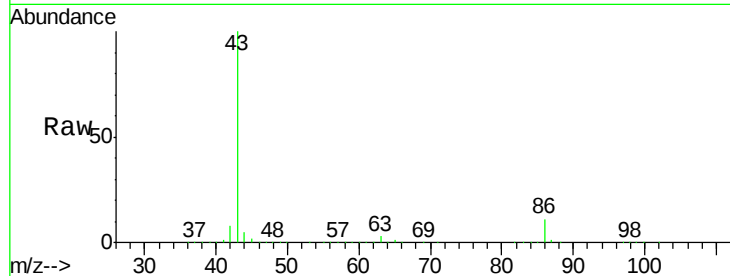
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 3422594

Ion Ratio Lower Upper

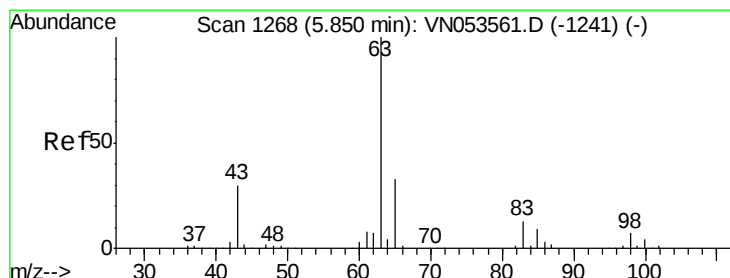
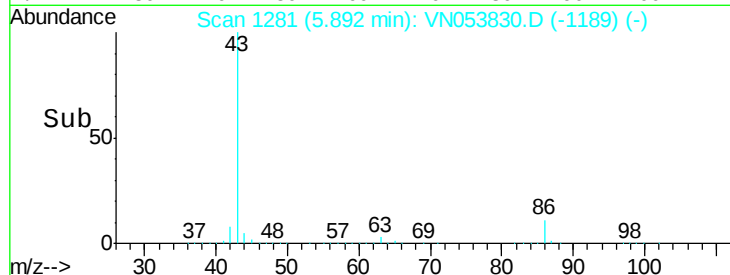
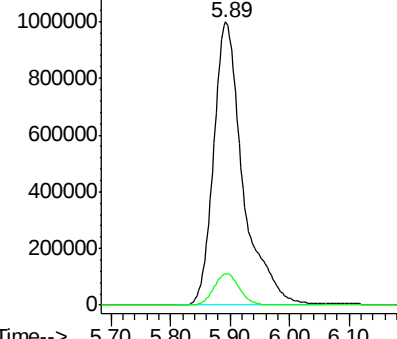
43 100

86 11.2 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.282 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

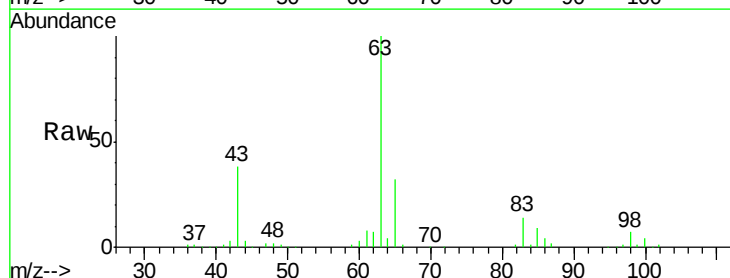
Tgt Ion: 63 Resp: 647745

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.9

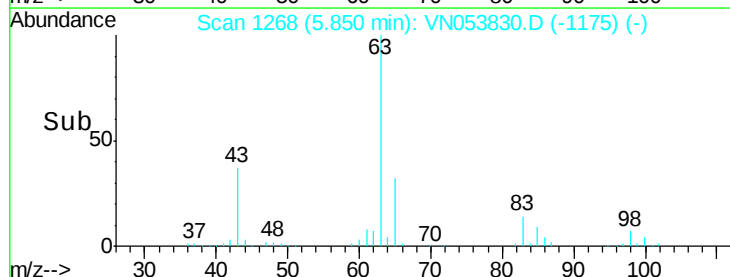
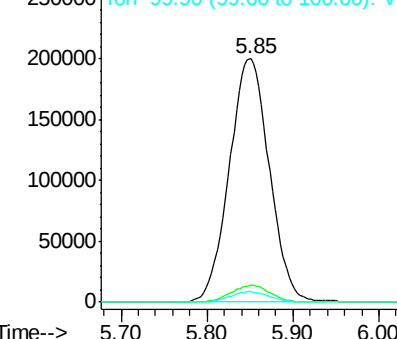
100 4.2 2.1 6.5

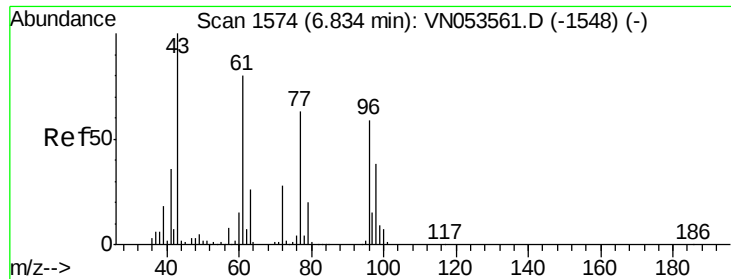


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 271.740 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

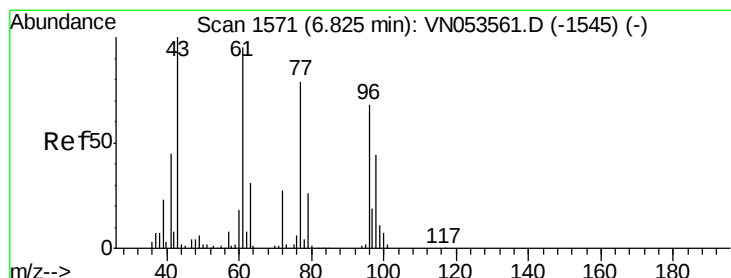
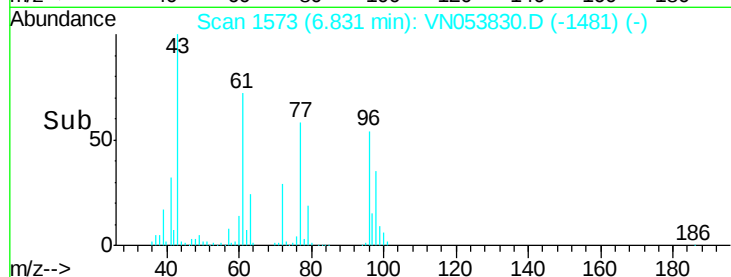
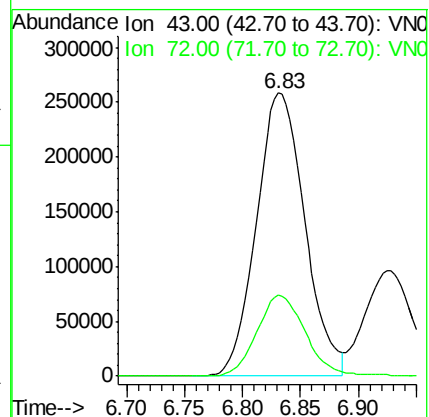
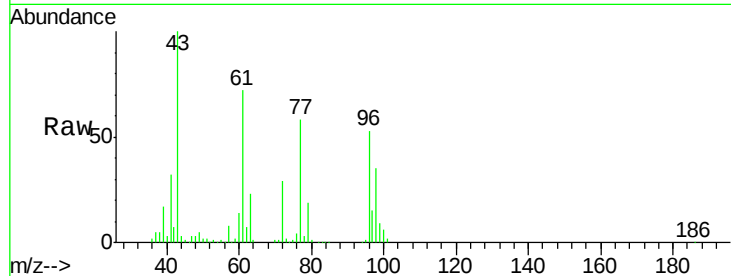
VSTDCCC050

Tot Ion: 43 Resp: 749771

Ion Ratio Lower Upper

43 100

72 28.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 49.342 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053830.D

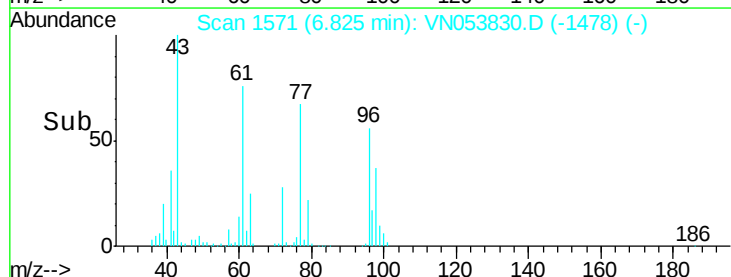
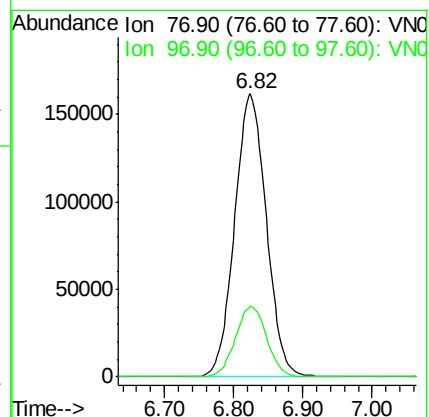
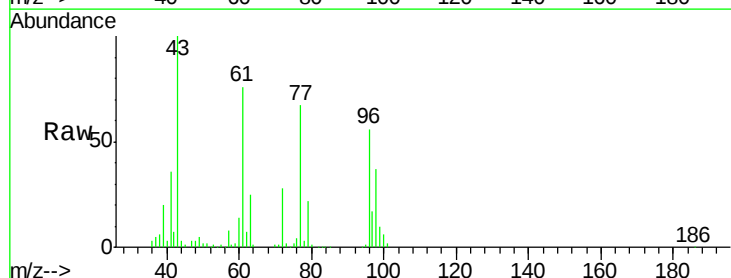
Acq: 18 Feb 2019 9:02

Tgt Ion: 77 Resp: 516014

Ion Ratio Lower Upper

77 100

97 24.6 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 48.369 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

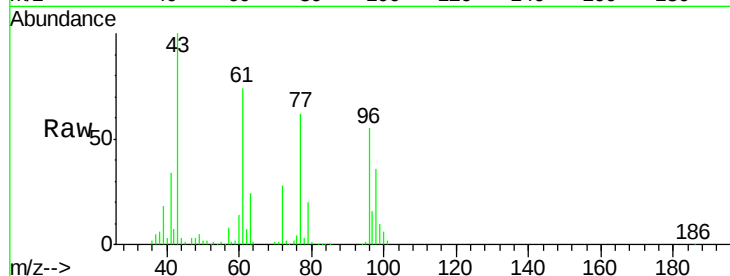
Tot Ion: 96 Resp: 403980

Ion Ratio Lower Upper

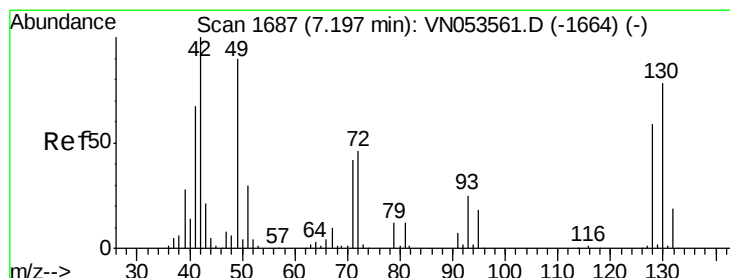
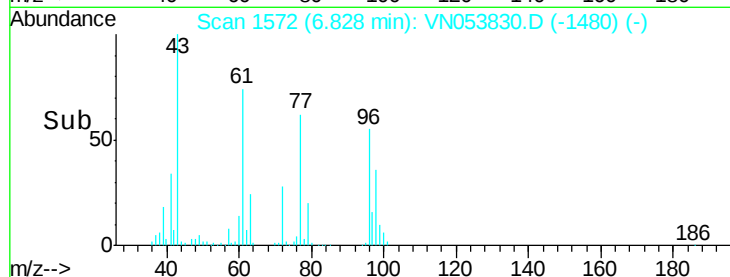
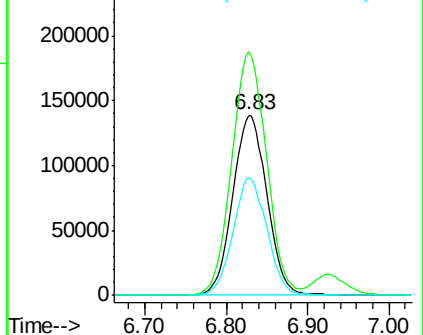
96 100

61 137.5 0.0 283.8

98 64.6 0.0 129.2



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



#28

Bromochloromethane

Concen: 48.911 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

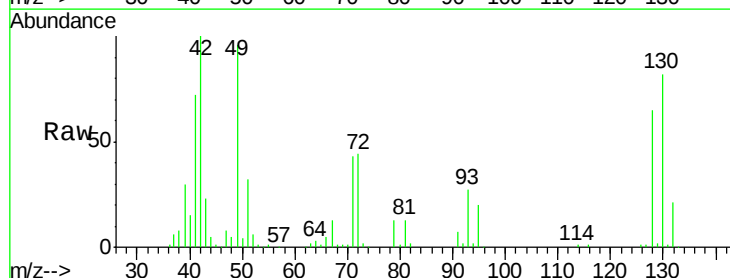
Tgt Ion: 49 Resp: 290783

Ion Ratio Lower Upper

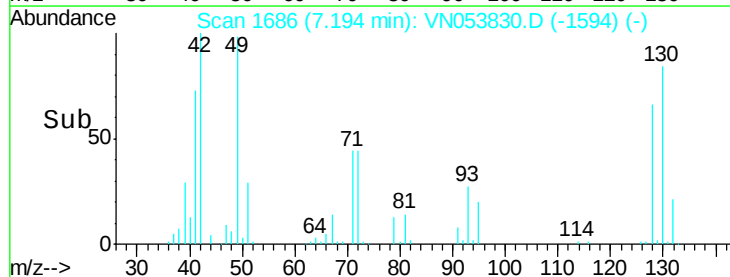
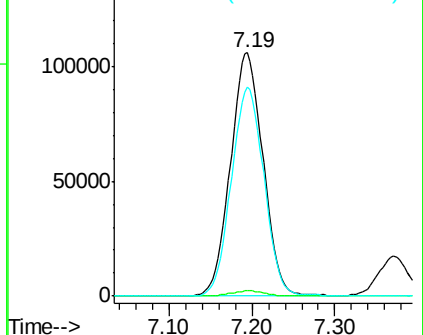
49 100

129 2.1 0.0 4.0

130 85.7 66.3 99.5



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 243.393 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

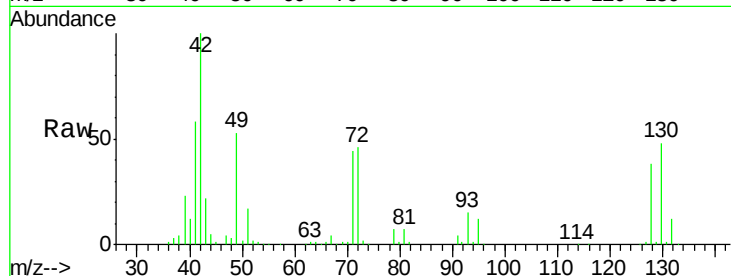
Tot Ion: 42 Resp: 431227

Ion Ratio Lower Upper

42 100

72 45.5 35.2 52.8

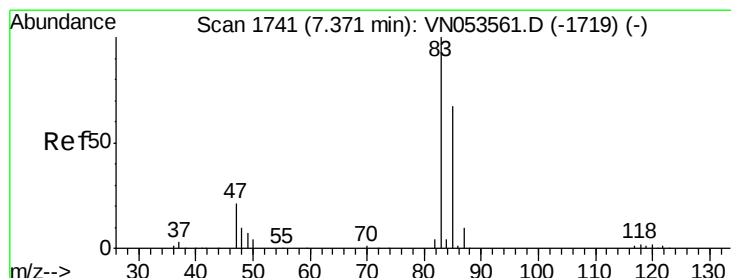
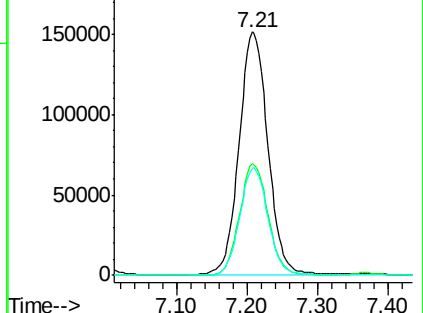
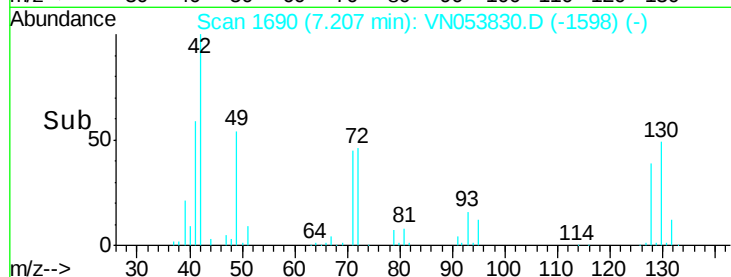
71 43.2 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VN053830.D (-1598) (-)

Ion 72.00 (71.70 to 72.70): VN053830.D (-1598) (-)

Ion 71.00 (70.70 to 71.70): VN053830.D (-1598) (-)



#30

Chloroform

Concen: 48.214 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053830.D

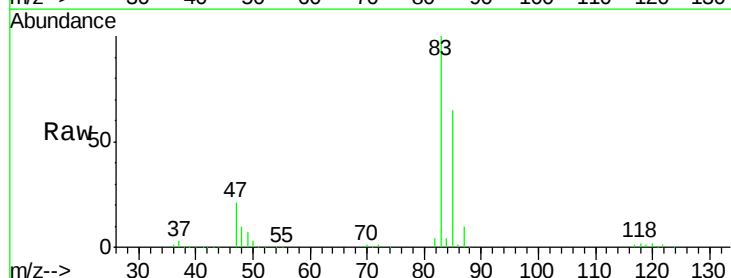
Acq: 18 Feb 2019 9:02

Tgt Ion: 83 Resp: 654777

Ion Ratio Lower Upper

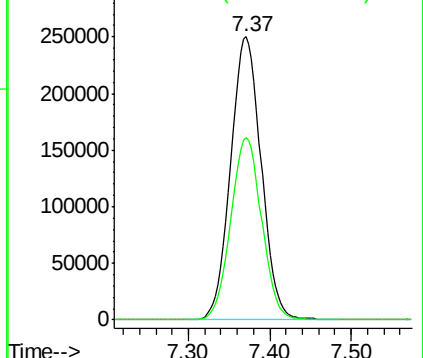
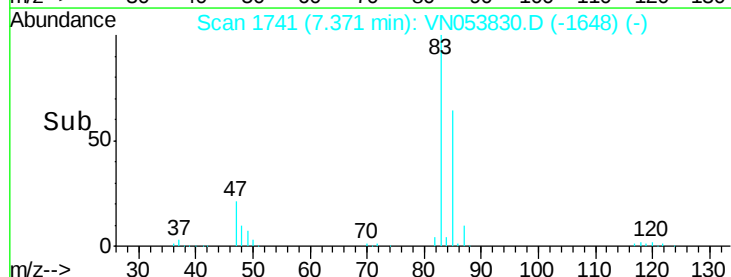
83 100

85 64.6 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN053830.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN053830.D (-1648) (-)





#31

Cyclohexane

Concen: 43.506 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

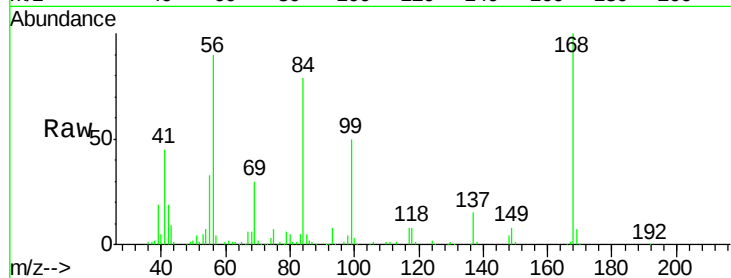
Tot Ion: 56 Resp: 555199

Ion Ratio Lower Upper

56 100

69 33.8 26.4 39.6

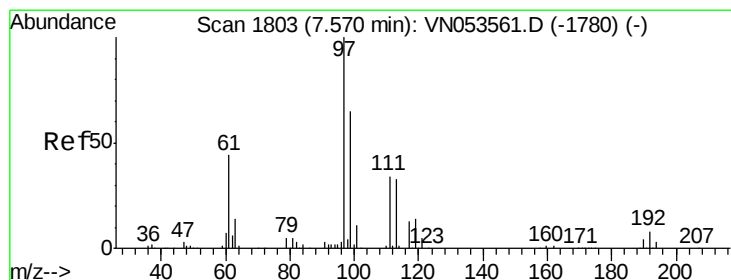
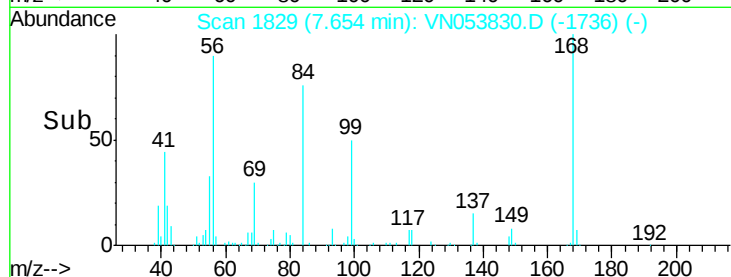
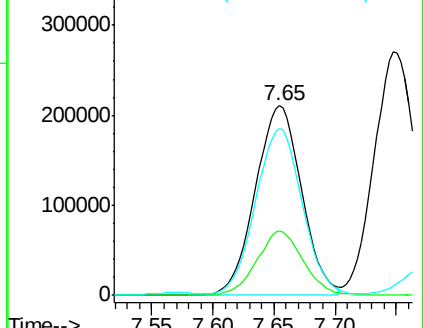
84 86.5 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.547 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

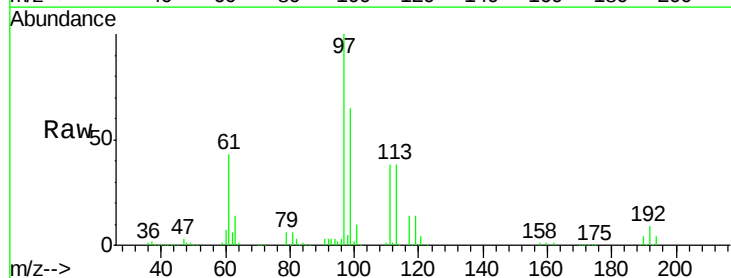
Tgt Ion: 97 Resp: 548672

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

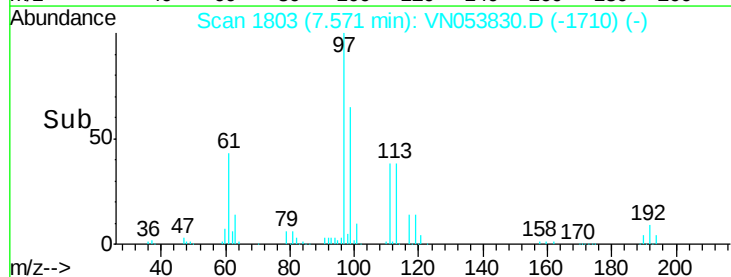
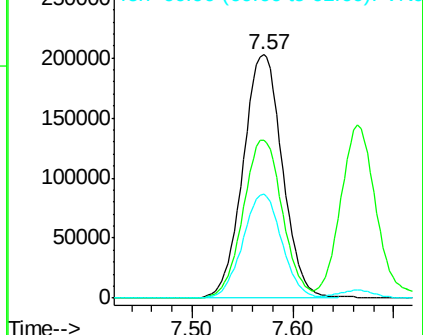
61 42.4 34.4 51.6

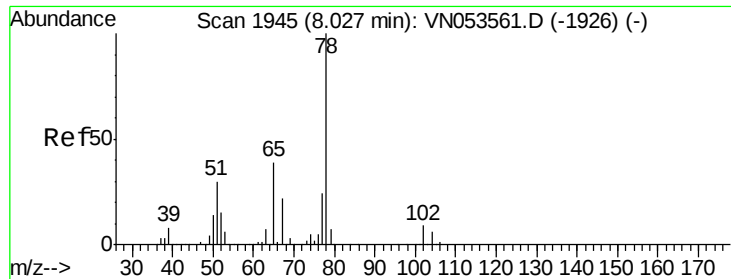


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

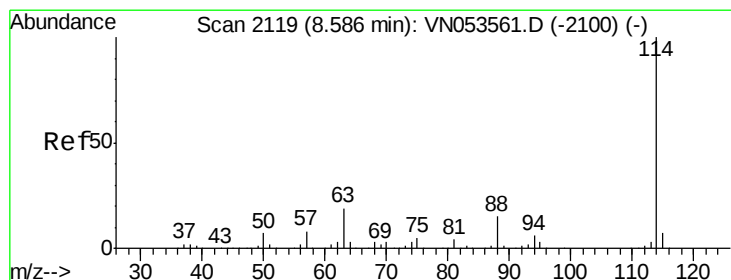
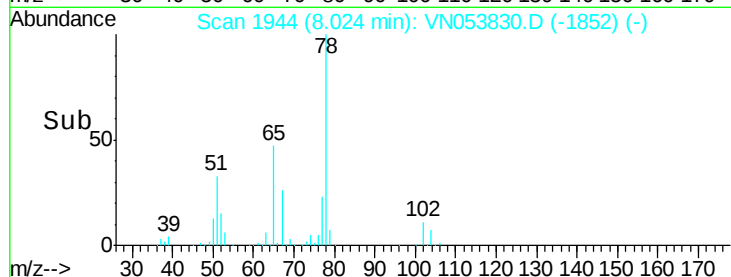
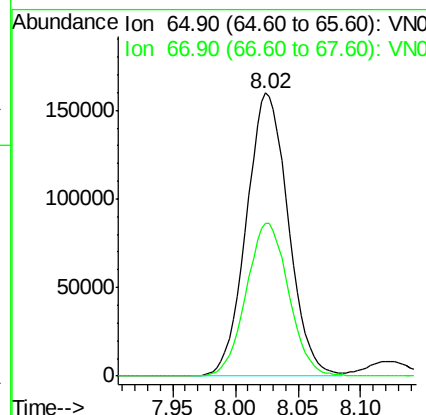
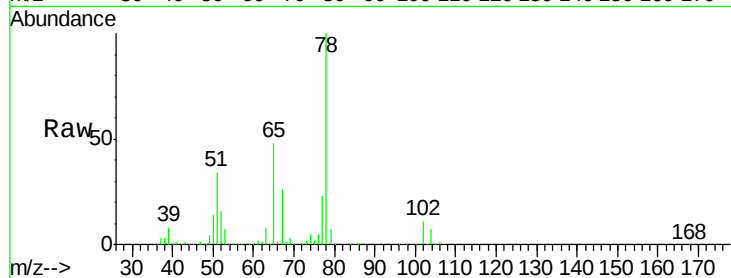




#33
 1,2-Dichloroethane-d4
 Concen: 49.203 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

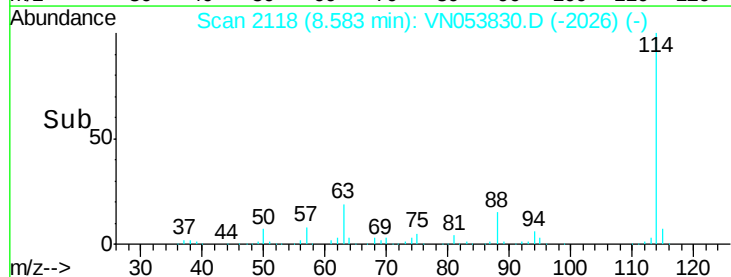
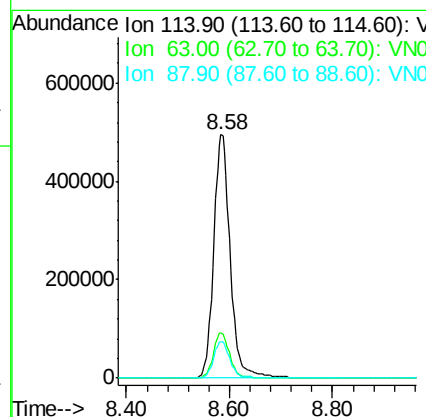
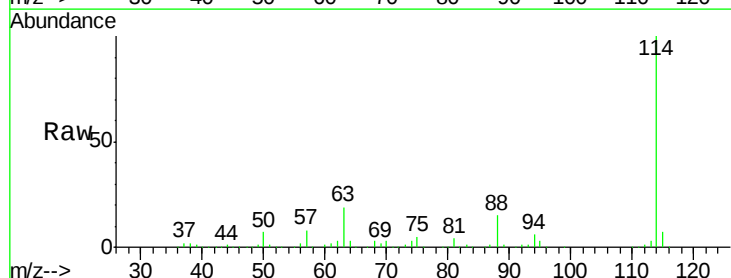
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 371095
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Tgt Ion: 114 Resp: 1100610
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 38.6
 88 15.0 0.0 30.4

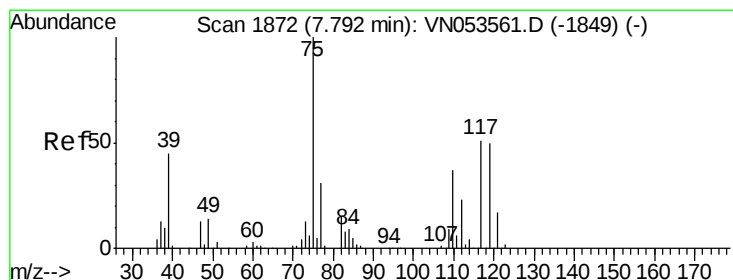
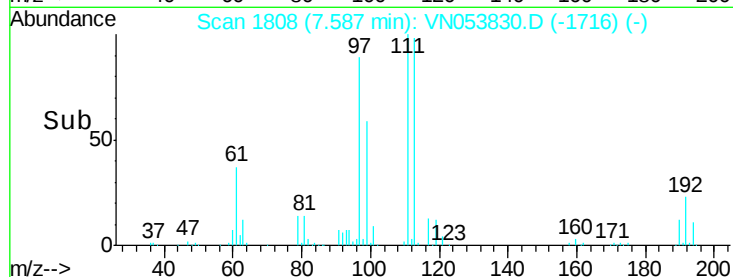
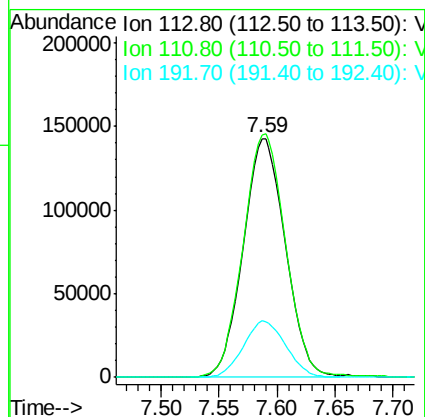
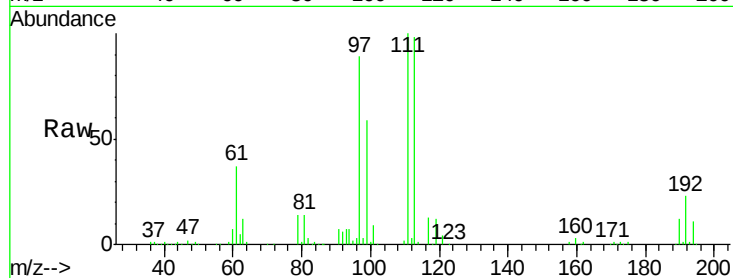




#35
Dibromofluoromethane
Concen: 51.889 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

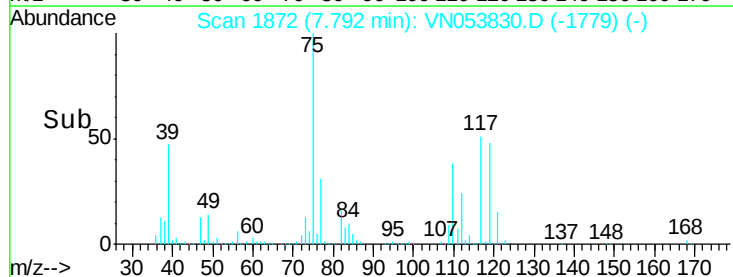
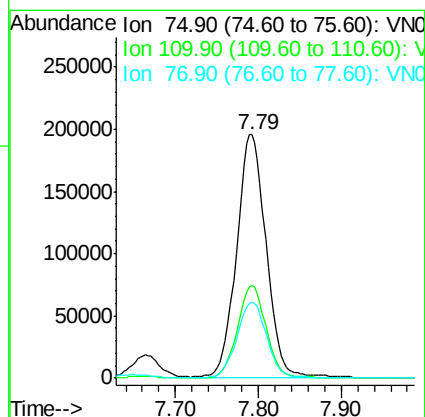
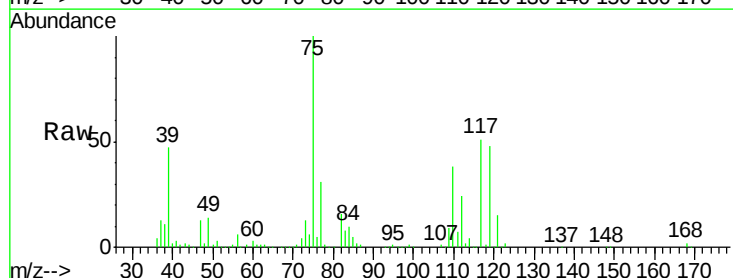
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

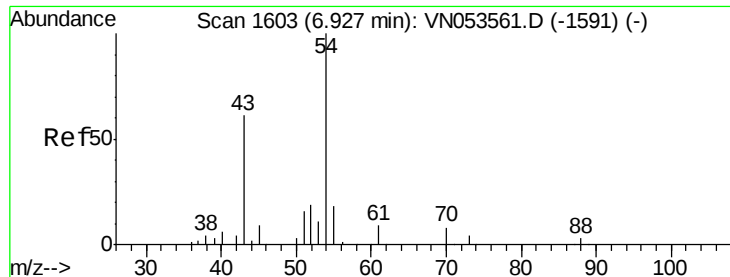
Tot Ion:113 Resp: 360859
Ion Ratio Lower Upper
113 100
111 103.5 81.1 121.7
192 23.8 18.2 27.2



#36
1,1-Dichloropropene
Concen: 48.612 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 75 Resp: 482295
Ion Ratio Lower Upper
75 100
110 37.4 18.1 54.3
77 32.0 25.1 37.7

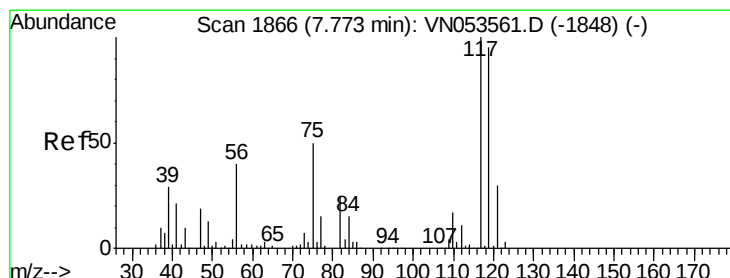
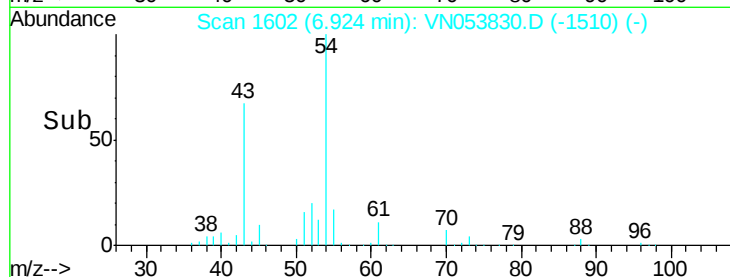
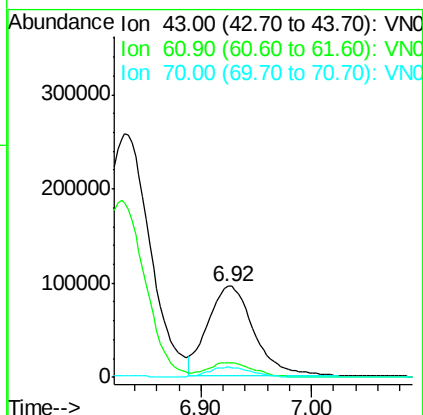
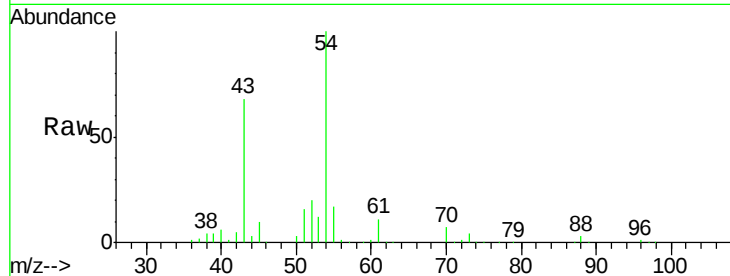




#37
Ethyl Acetate
Concen: 49.942 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

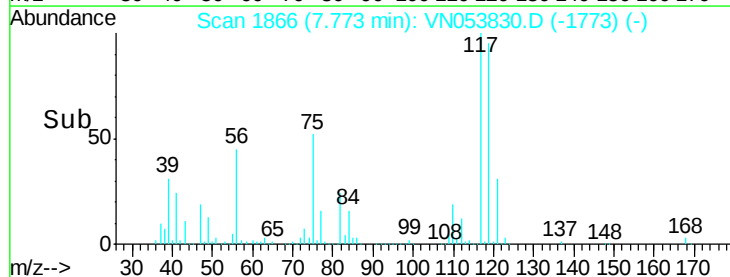
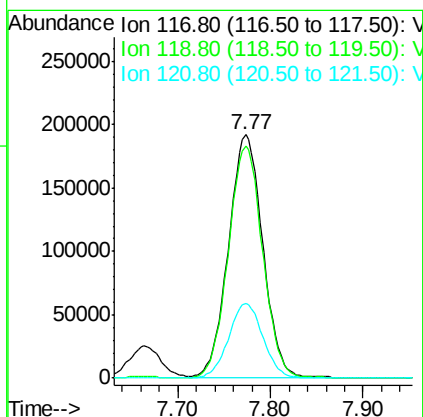
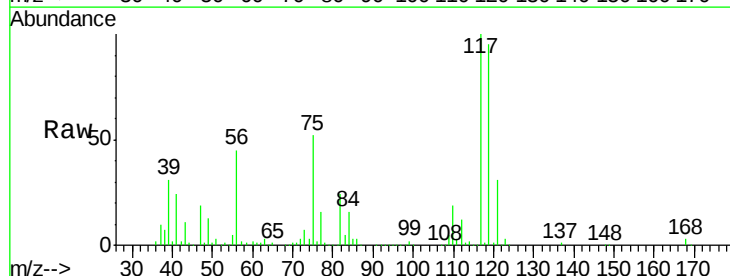
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

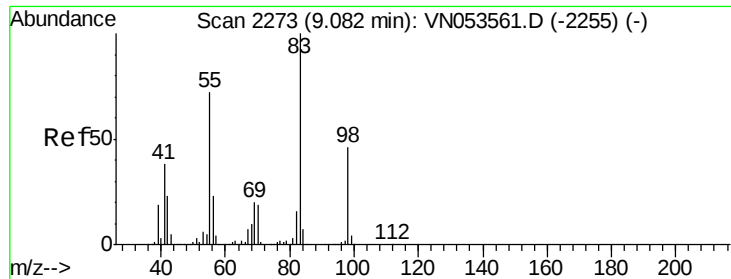
Tot Ion: 43 Resp: 276732
Ion Ratio Lower Upper
43 100
61 16.2 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 48.991 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 117 Resp: 489648
Ion Ratio Lower Upper
117 100
119 95.2 77.2 115.8
121 30.8 24.6 37.0

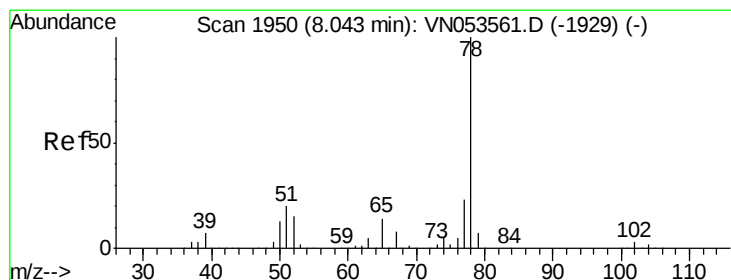
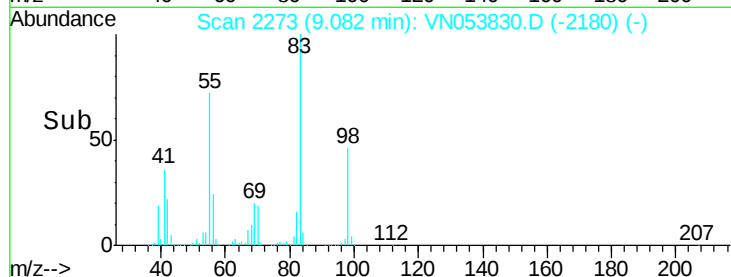
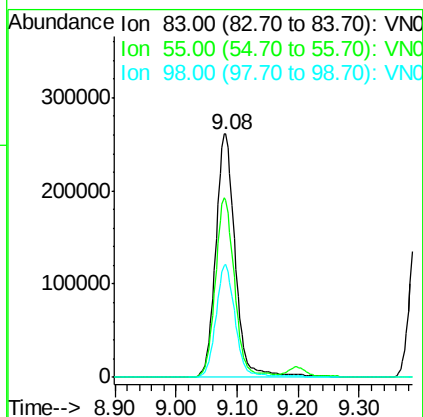
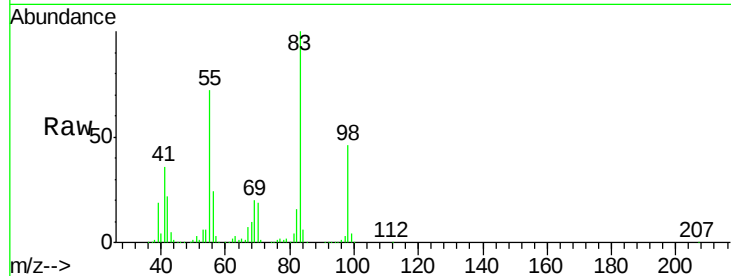




#39
Methvlcvclohexane
Concen: 49.422 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

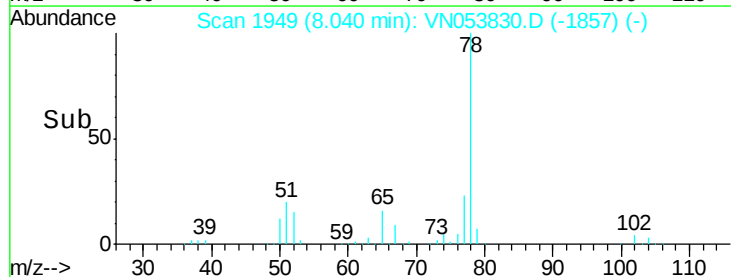
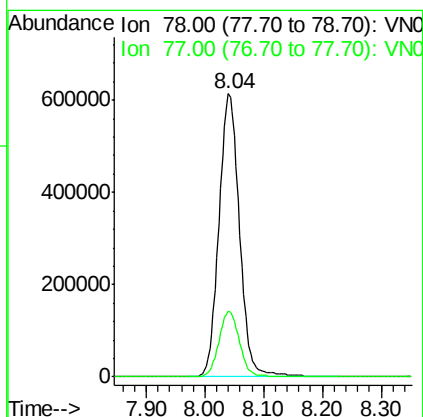
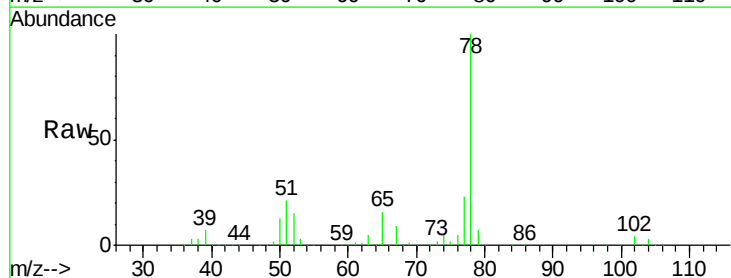
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

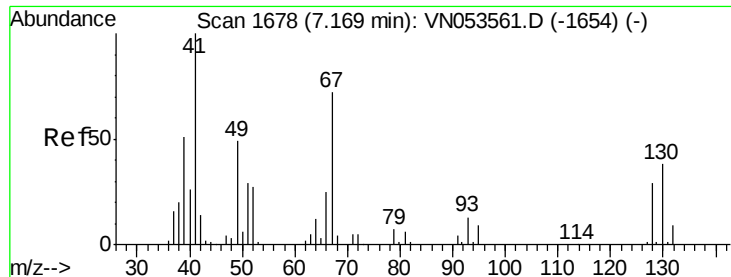
Tot Ion: 83 Resp: 581727
Ion Ratio Lower Upper
83 100
55 72.5 60.1 90.1
98 46.3 36.6 55.0



#40
Benzene
Concen: 48.429 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 78 Resp: 1481675
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2





#41

Methacrylonitrile

Concen: 57.000 ug/l m

RT: 7.18 min Scan# 1683

Delta R.T. 0.02 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 176524

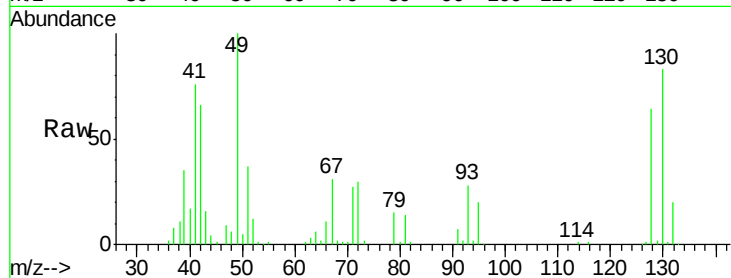
Ion Ratio Lower Upper

41 100

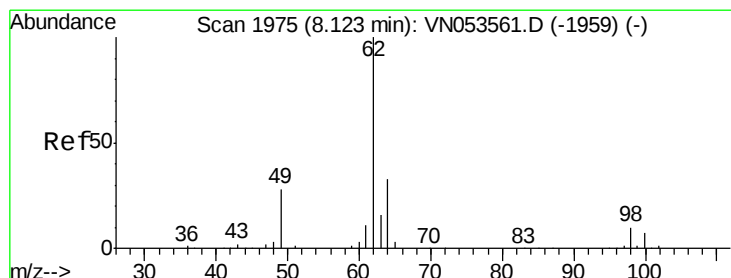
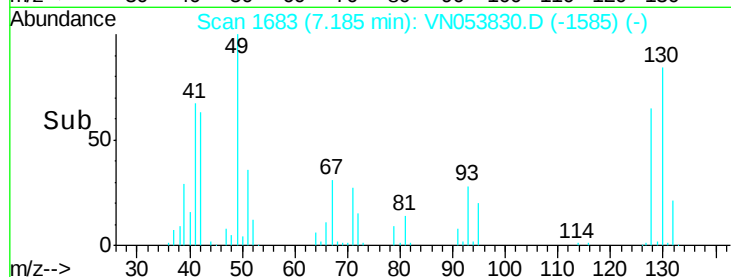
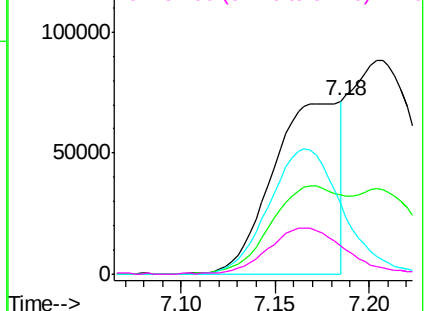
39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#



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



#42

1,2-Dichloroethane

Concen: 48.527 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053830.D

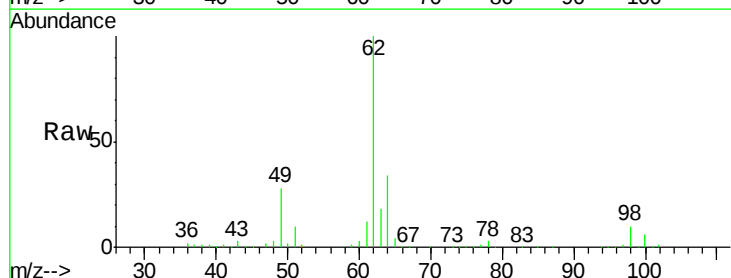
Acq: 18 Feb 2019 9:02

Tgt Ion: 62 Resp: 440832

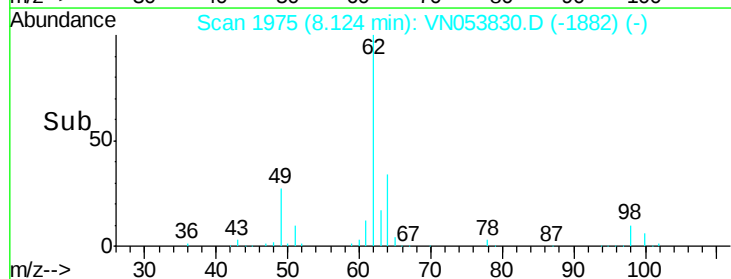
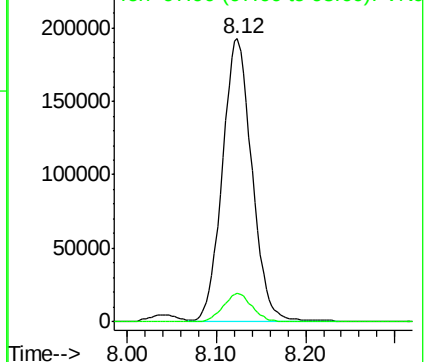
Ion Ratio Lower Upper

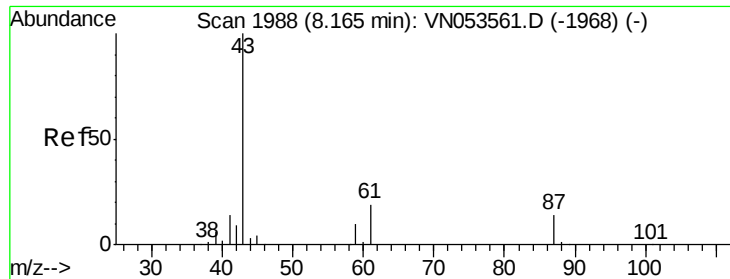
62 100

98 10.0 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 46.376 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

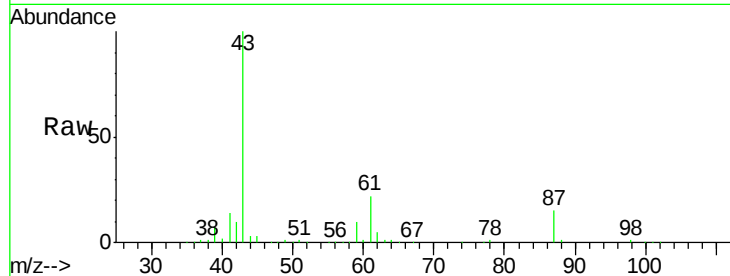
Tot Ion: 43 Resp: 496270

Ion Ratio Lower Upper

43 100

61 30.5 23.9 35.9

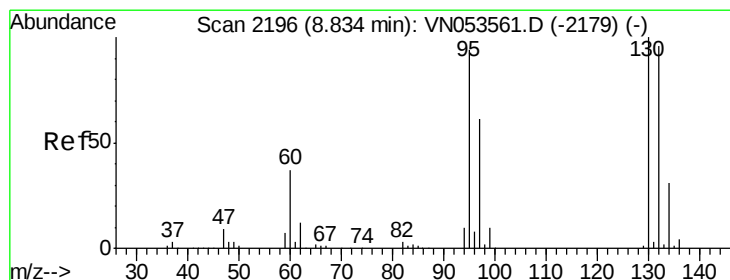
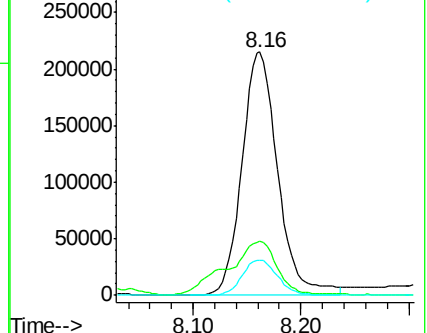
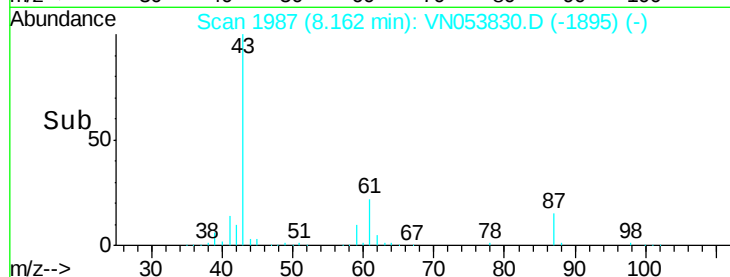
87 14.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053830.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053830.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053830.D (-1968) (-)



#44

Trichloroethene

Concen: 48.483 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053830.D

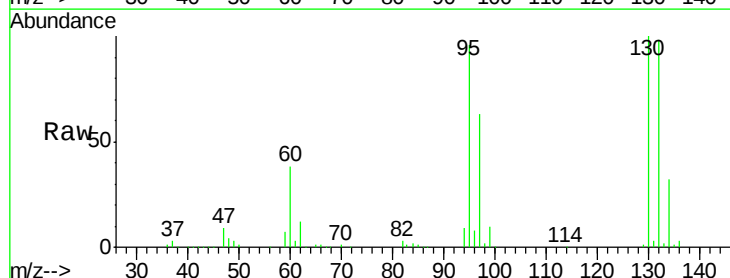
Acq: 18 Feb 2019 9:02

Tgt Ion: 130 Resp: 422296

Ion Ratio Lower Upper

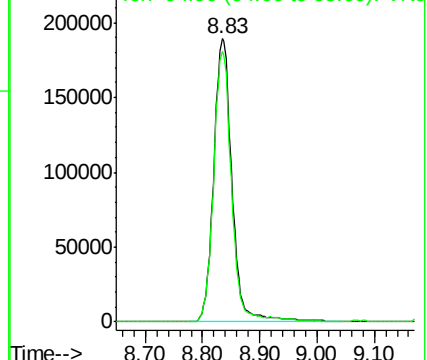
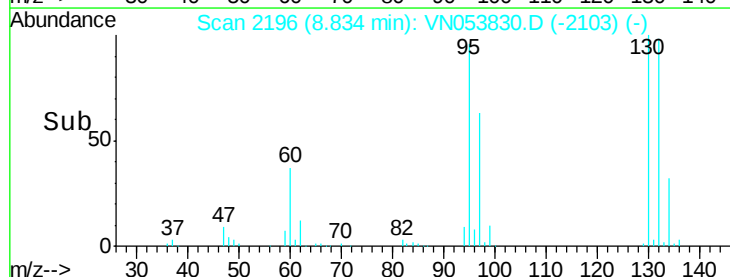
130 100

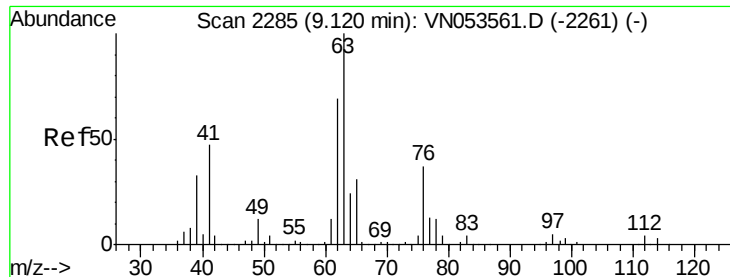
95 95.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053830.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053830.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 50.131 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

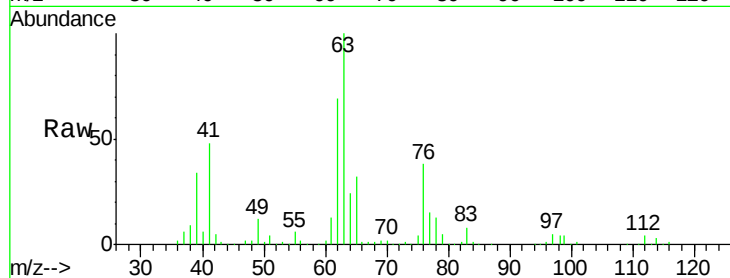
VSTDCCC050

Tot Ion: 63 Resp: 392290

Ion Ratio Lower Upper

63 100

65 31.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

200000

150000

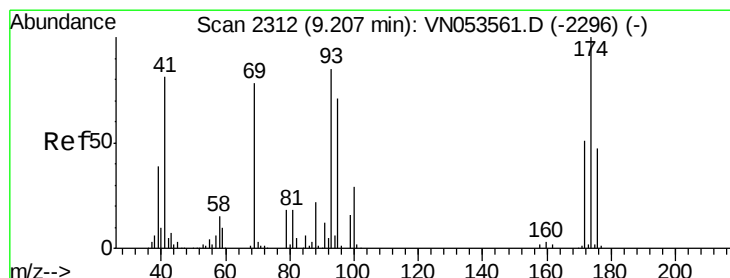
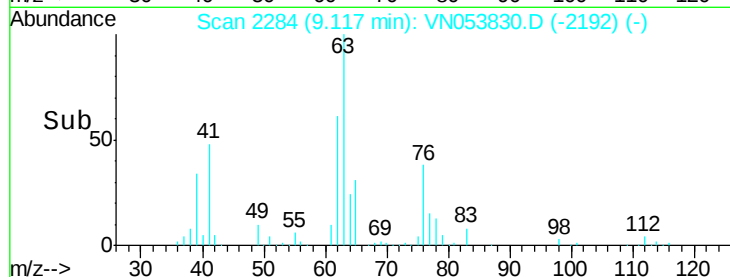
100000

50000

0

Time-->

9.00 9.10 9.20 9.30



#46

Dibromomethane

Concen: 49.318 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

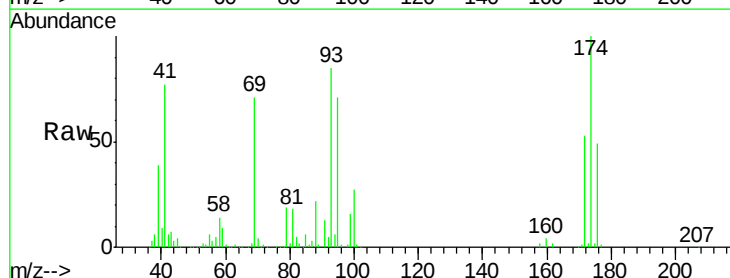
Tgt Ion: 93 Resp: 232647

Ion Ratio Lower Upper

93 100

95 83.5 67.3 100.9

174 118.2 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

150000

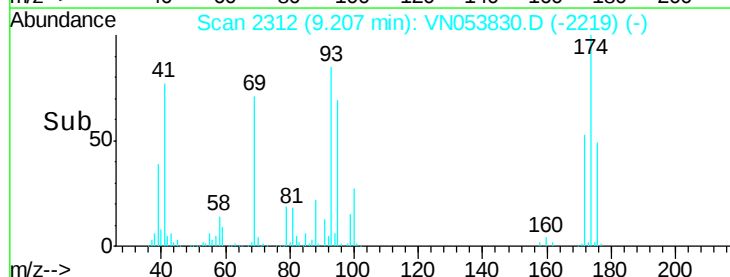
100000

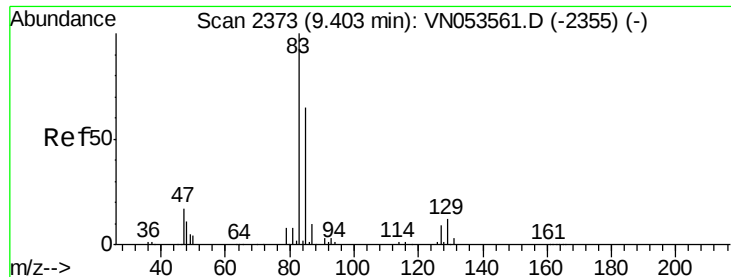
50000

0

Time-->

9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 50.643 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

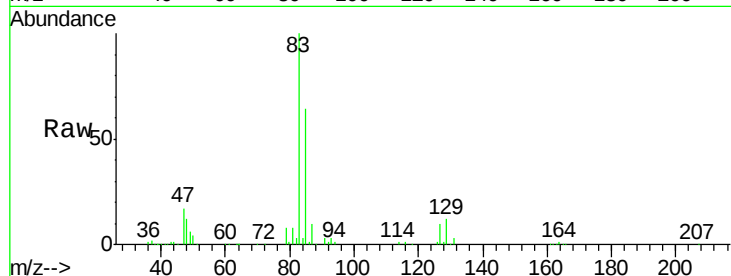
Tot Ion: 83 Resp: 496707

Ion Ratio Lower Upper

83 100

85 64.2 51.0 76.6

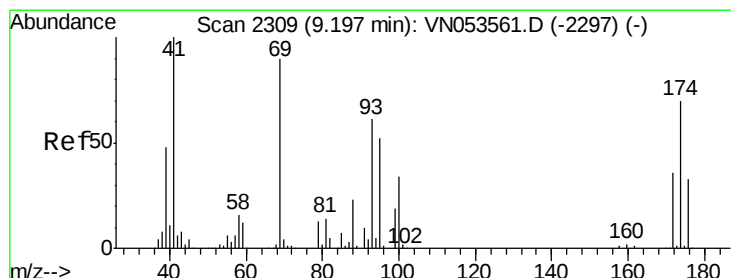
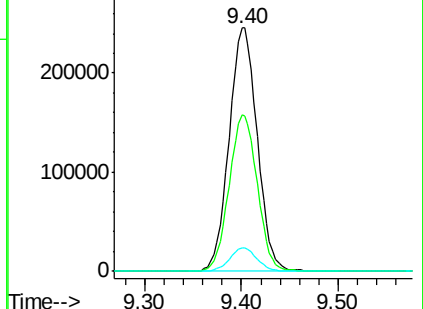
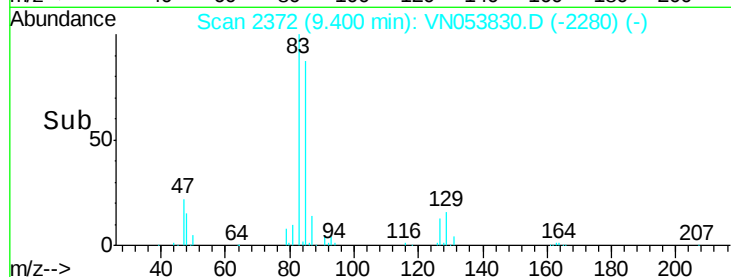
127 9.7 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053830.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053830.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053830.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.135 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

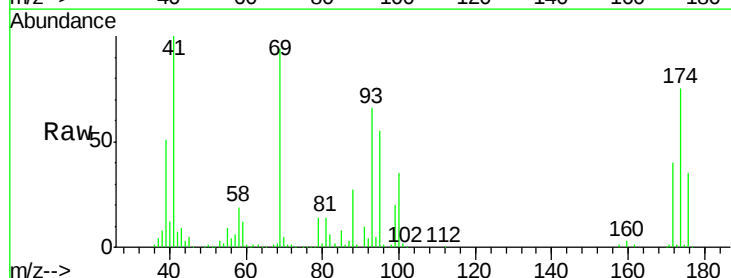
Tgt Ion: 41 Resp: 240770

Ion Ratio Lower Upper

41 100

69 101.3 73.8 110.6

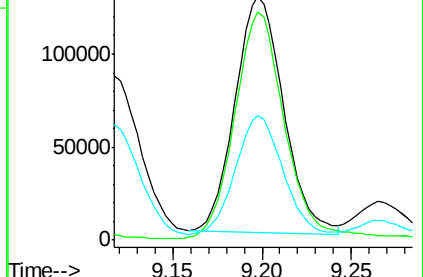
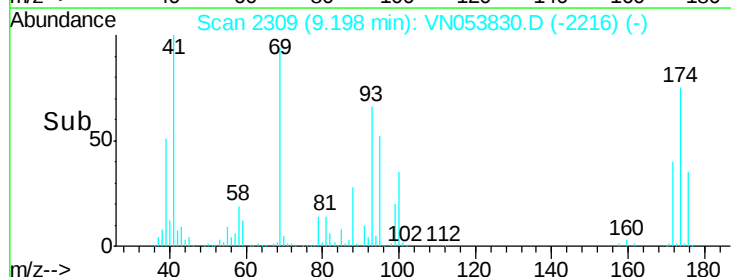
39 54.7 40.0 60.0

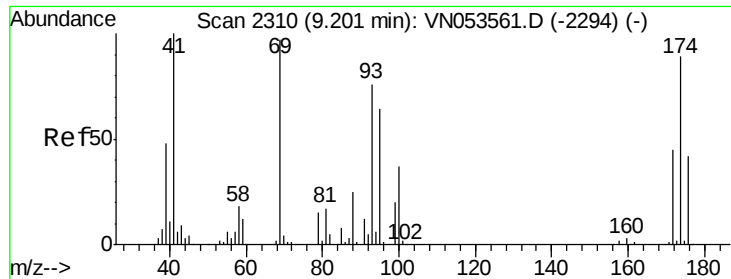


Abundance Ion 41.00 (40.70 to 41.70): VN053830.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053830.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053830.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1010.883 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

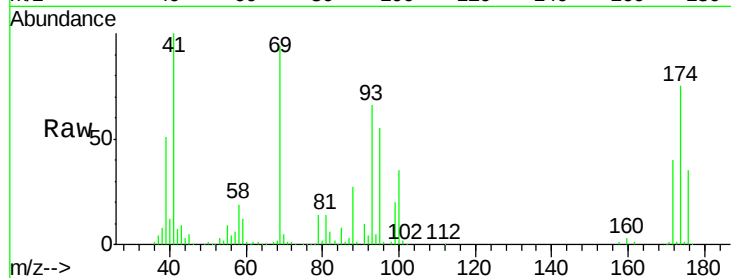
Tot Ion: 88 Resp: 74854

Ion Ratio Lower Upper

88 100

43 27.4 27.8 41.6#

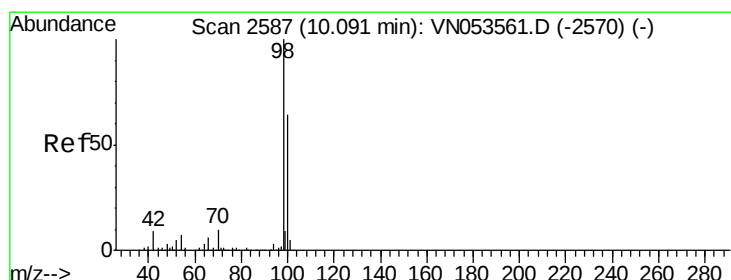
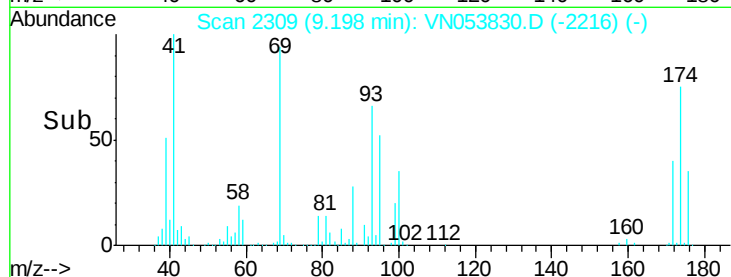
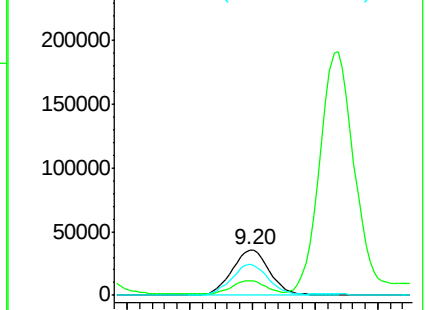
58 67.2 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053830.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053830.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053830.D (-2216) (-)



#50

Toluene-d8

Concen: 50.624 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053830.D

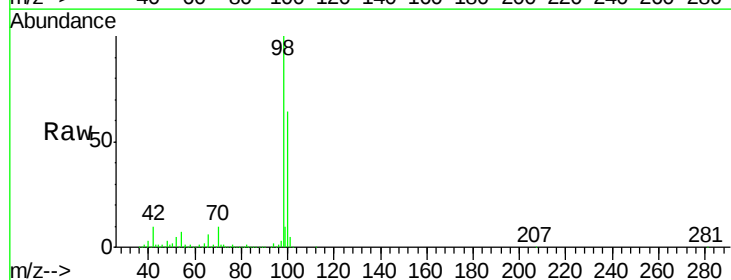
Acq: 18 Feb 2019 9:02

Tgt Ion: 98 Resp: 1321920

Ion Ratio Lower Upper

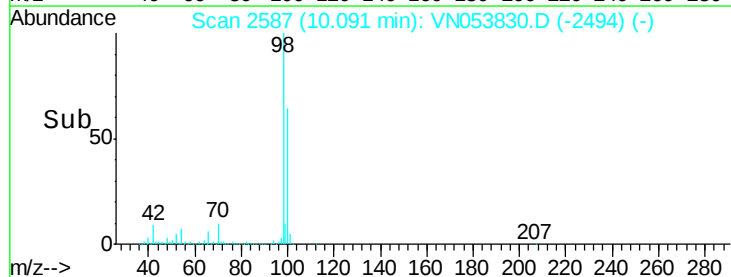
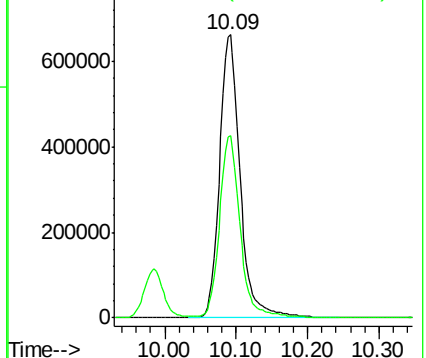
98 100

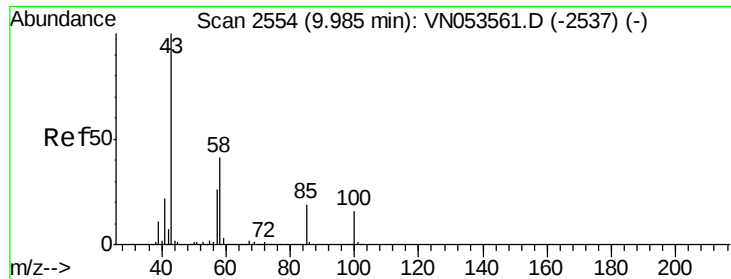
100 65.0 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053830.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053830.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 261.482 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

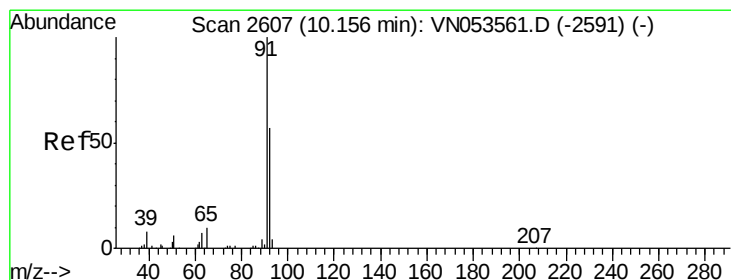
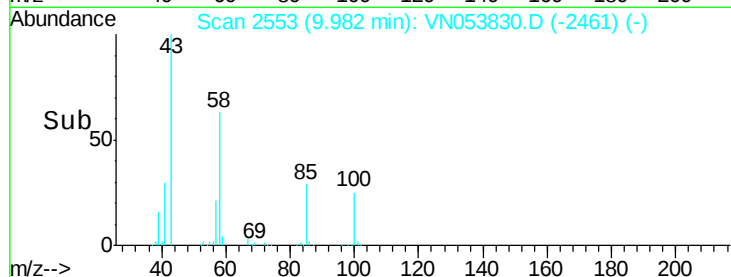
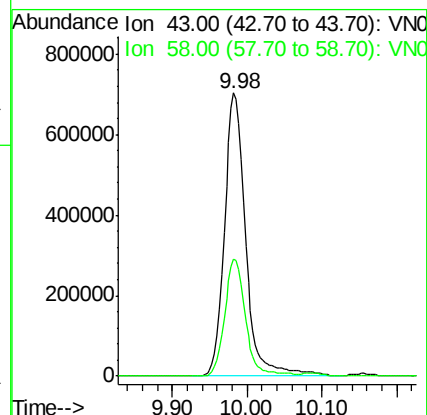
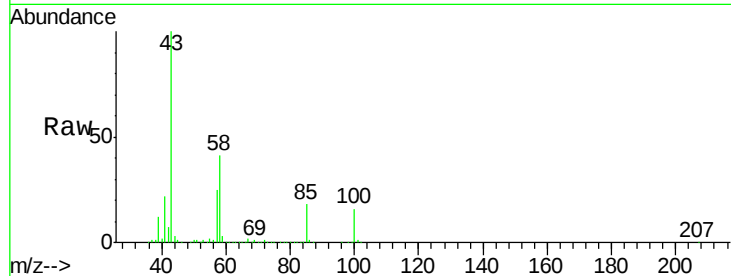
VSTDCCC050

Tot Ion: 43 Resp: 1375005

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



#52

Toluene

Concen: 49.867 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053830.D

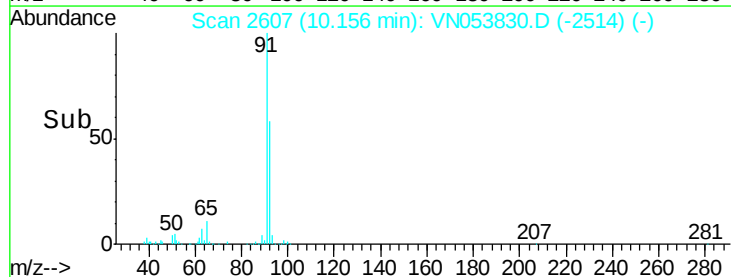
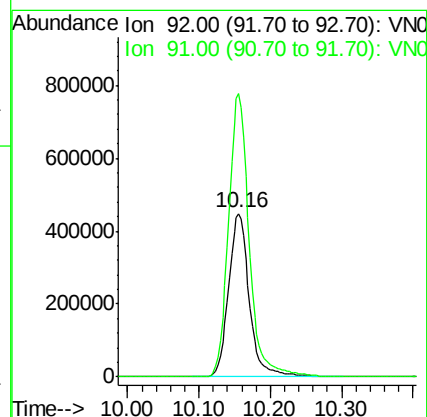
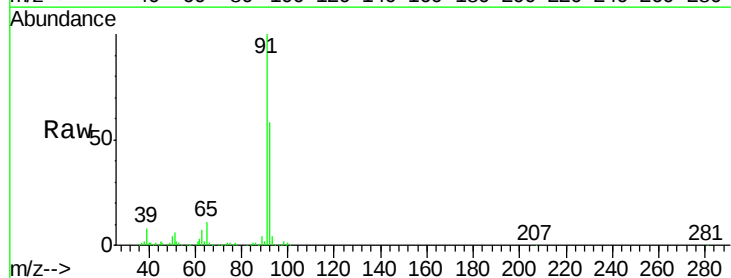
Acq: 18 Feb 2019 9:02

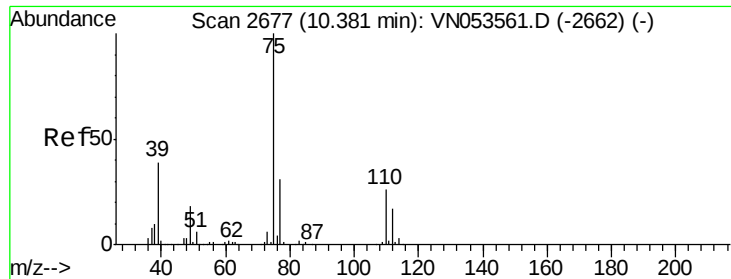
Tgt Ion: 92 Resp: 905475

Ion Ratio Lower Upper

92 100

91 172.6 139.9 209.9

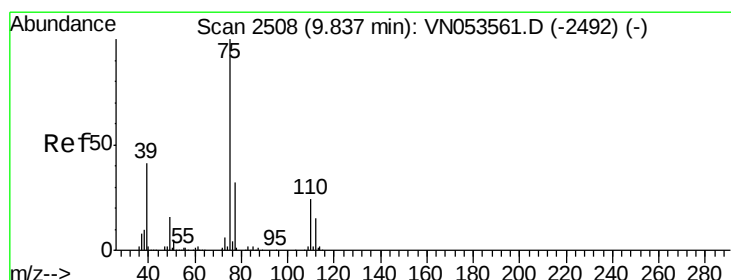
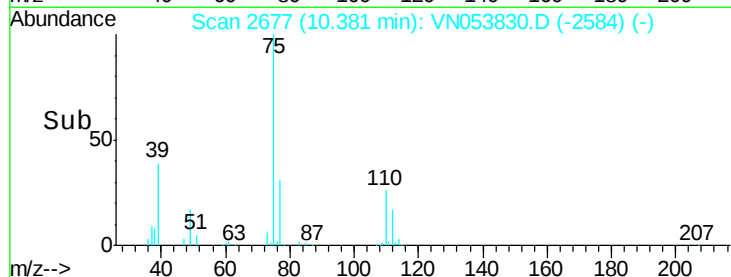
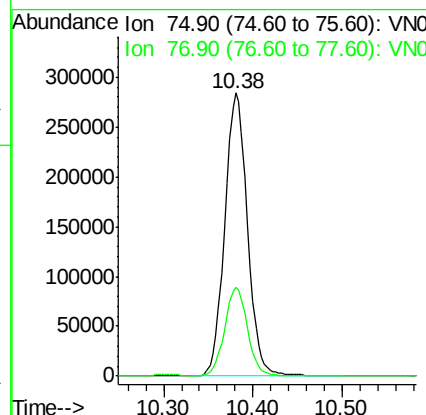
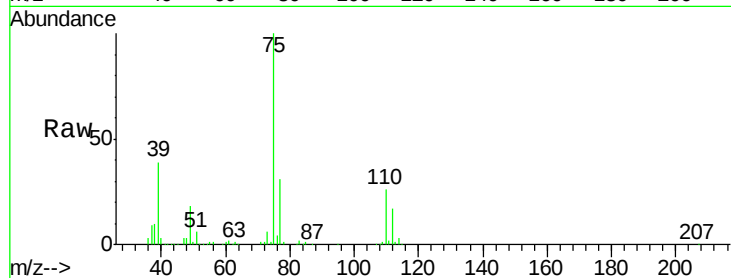




#53
 t-1,3-Dichloropropene
 Concen: 50.971 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

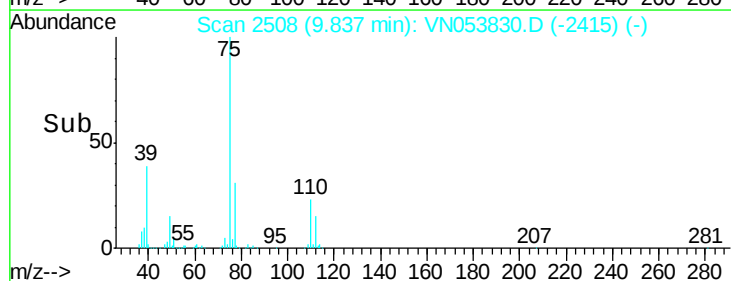
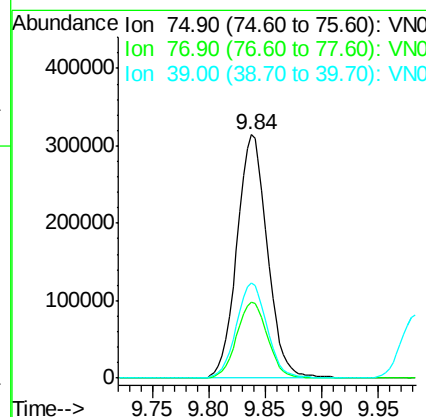
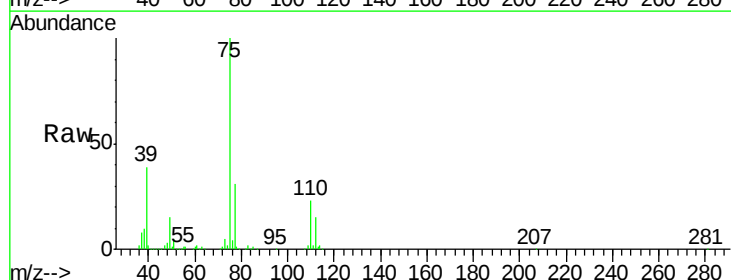
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

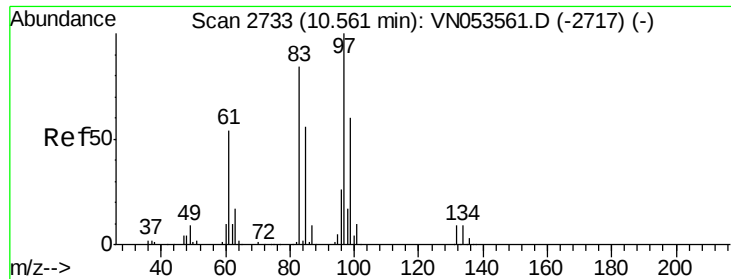
Tot Ion: 75 Resp: 500605
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.5 38.3



#54
 cis-1,3-Dichloropropene
 Concen: 50.591 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Tgt Ion: 75 Resp: 588787
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.8 38.6
 39 39.0 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 51.860 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 339323

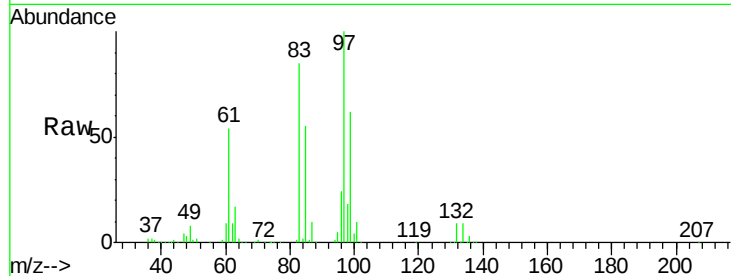
Ion Ratio Lower Upper

97 100

83 84.8 70.1 105.1

85 54.9 45.4 68.0

99 61.9 49.8 74.8



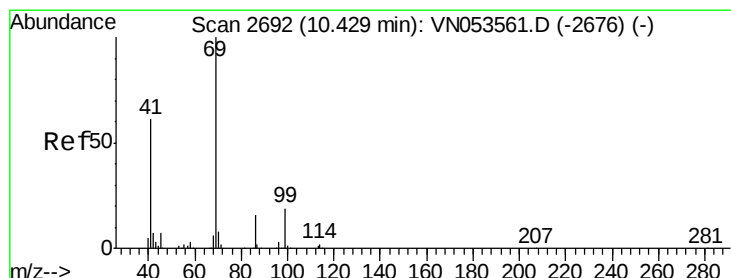
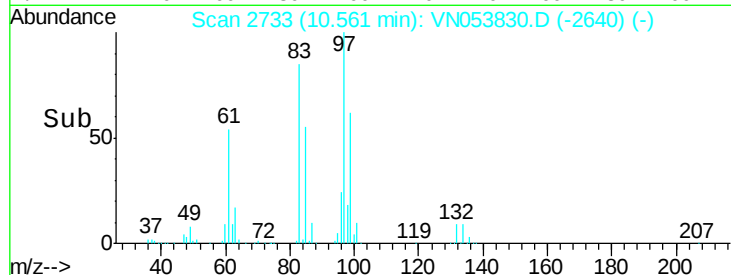
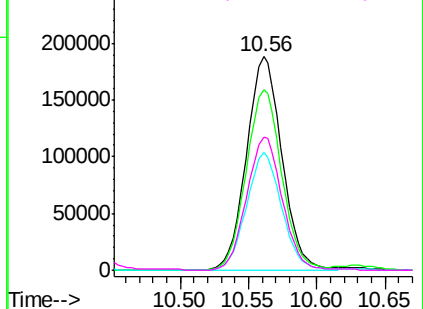
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 51.254 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

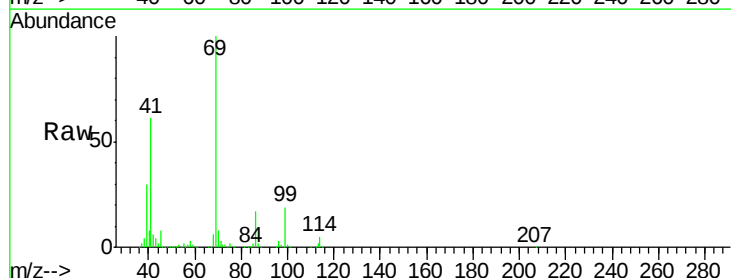
Tgt Ion: 69 Resp: 396727

Ion Ratio Lower Upper

69 100

41 60.5 49.4 74.0

39 29.1 23.3 34.9

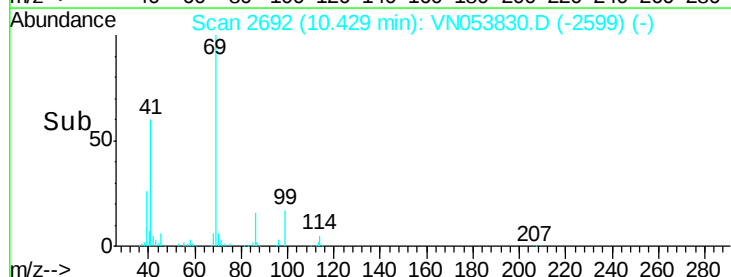
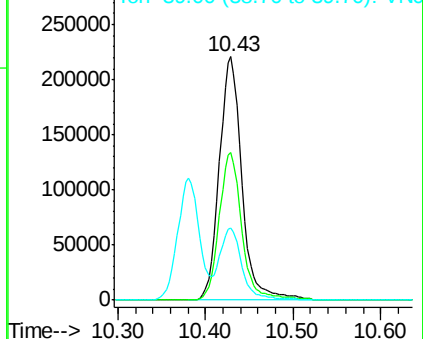


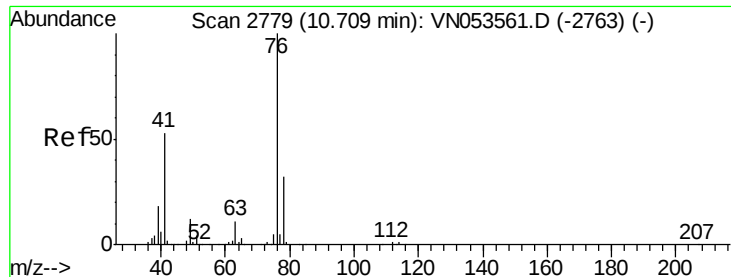
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.549 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

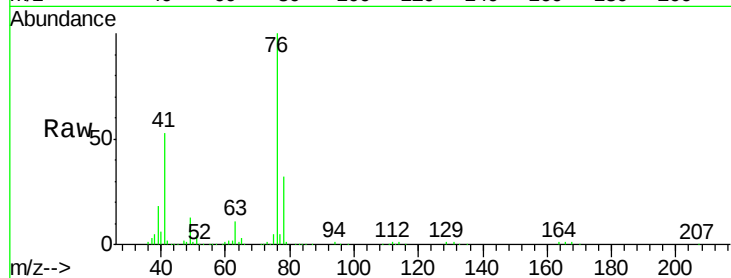
VSTDCCC050

Tot Ion: 76 Resp: 554076

Ion Ratio Lower Upper

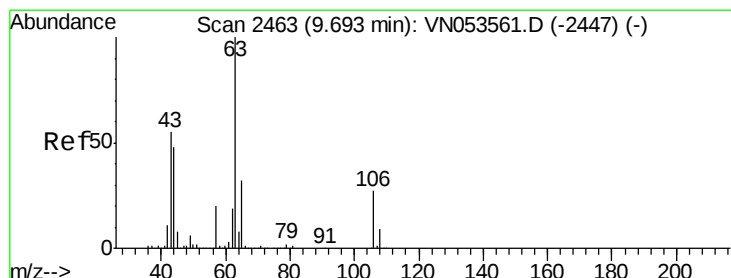
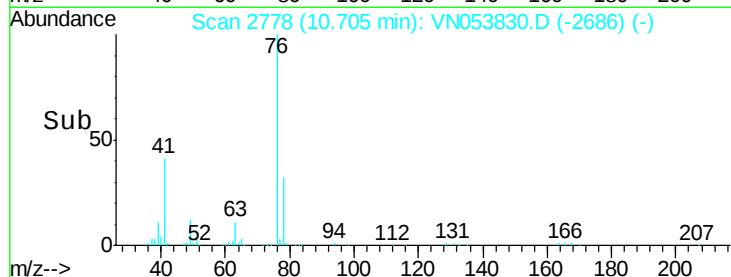
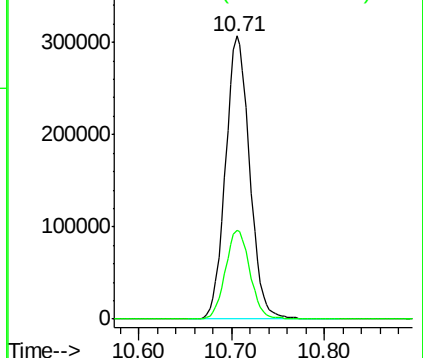
76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 190.931 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053830.D

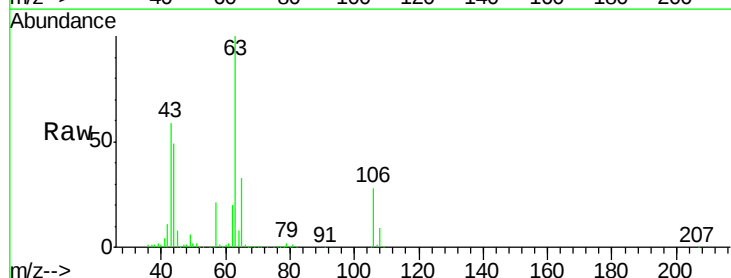
Acq: 18 Feb 2019 9:02

Tgt Ion: 63 Resp: 907163

Ion Ratio Lower Upper

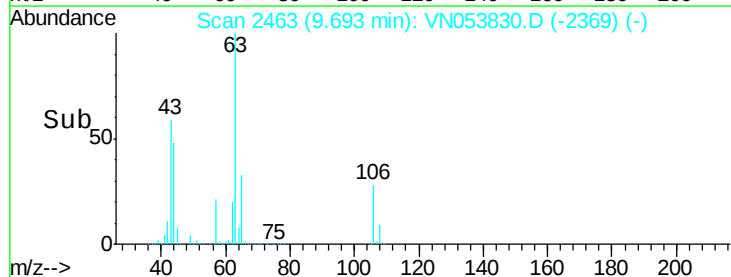
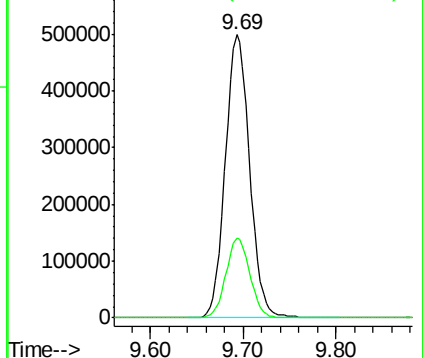
63 100

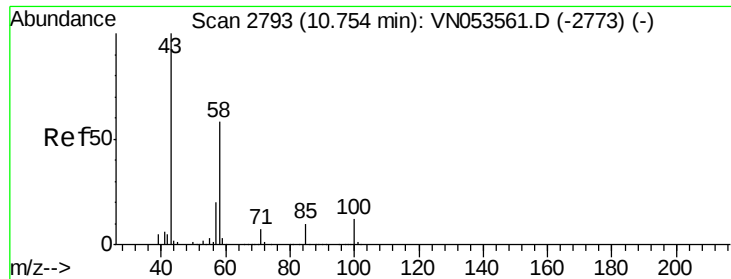
106 27.8 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

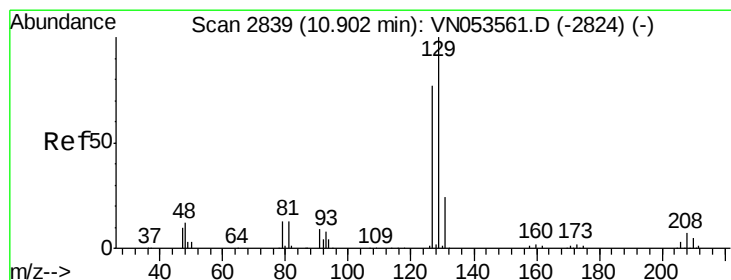
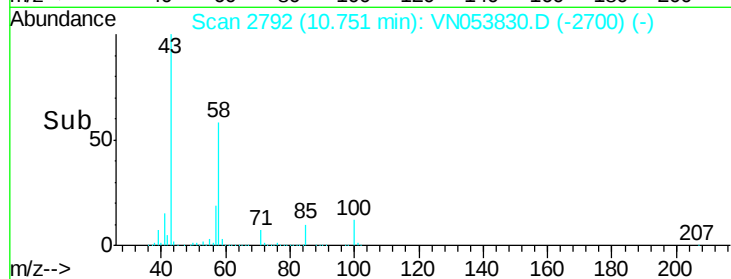
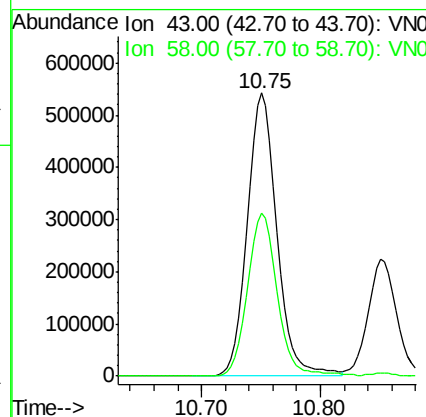
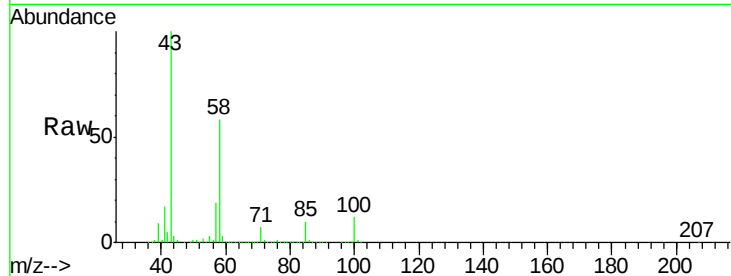




#59
2-Hexanone
Concen: 261.418 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

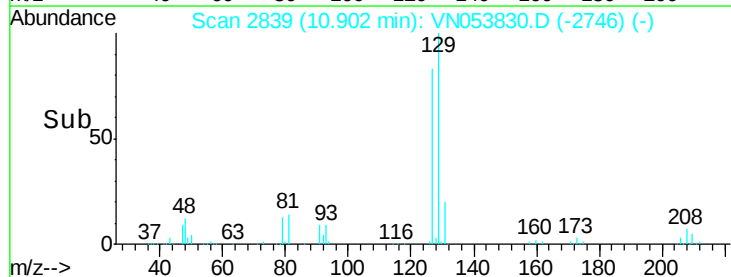
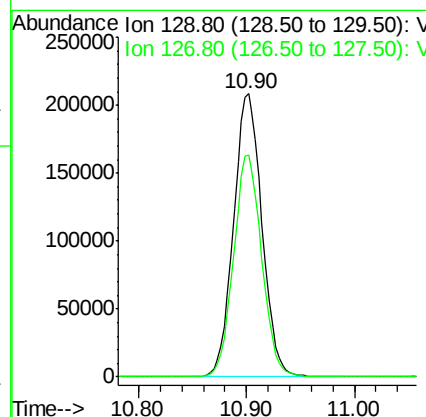
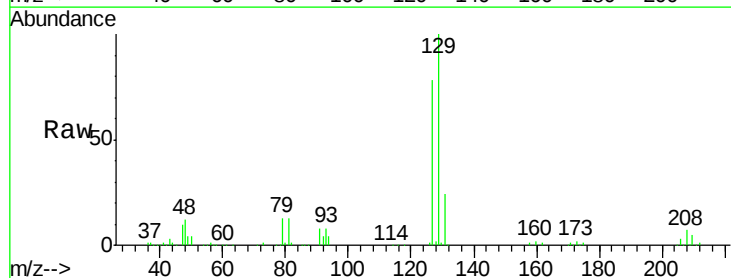
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

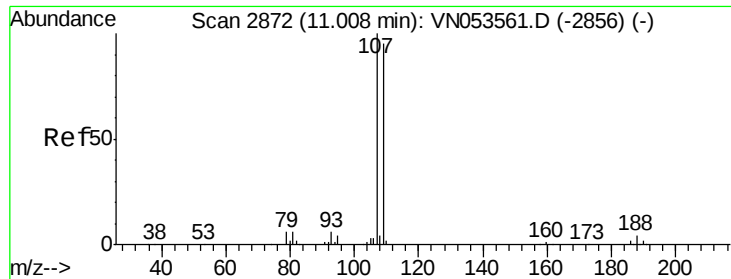
Tot Ion: 43 Resp: 933224
Ion Ratio Lower Upper
43 100
58 58.1 28.6 85.8



#60
Dibromochloromethane
Concen: 51.908 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 129 Resp: 383002
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8

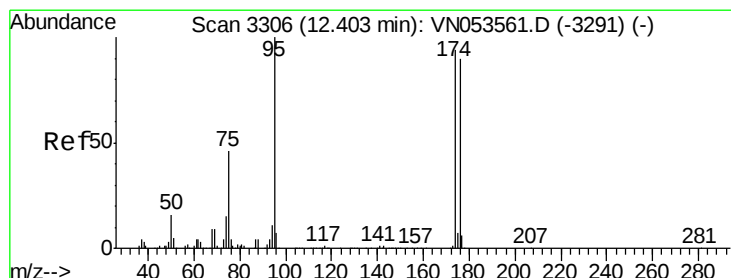
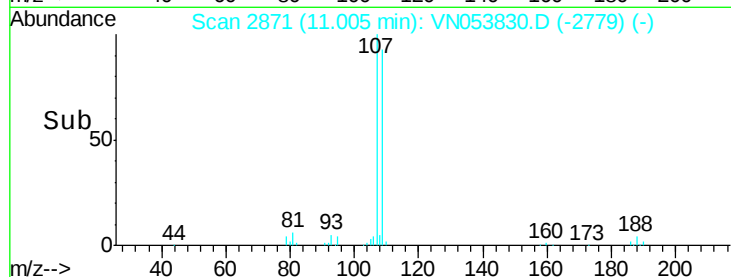
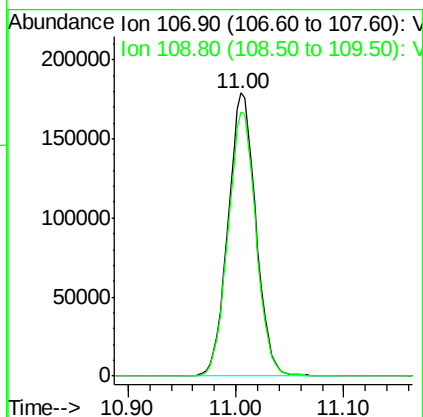
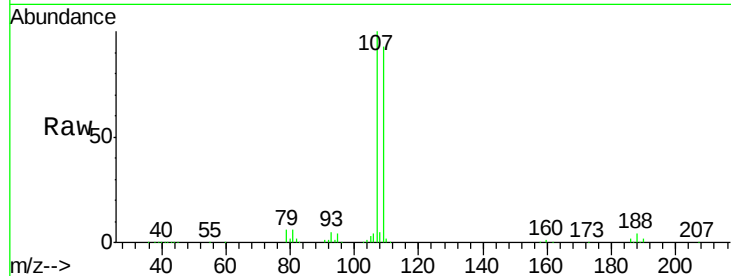




#61
 1,2-Dibromoethane
 Concen: 49.654 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

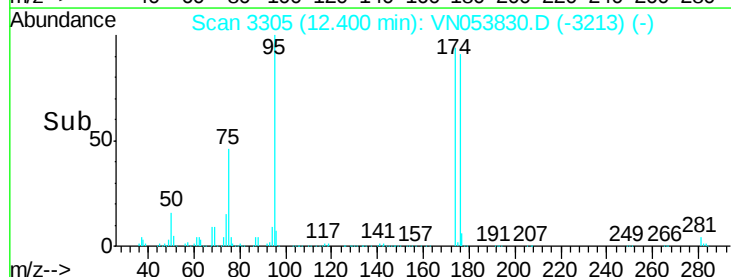
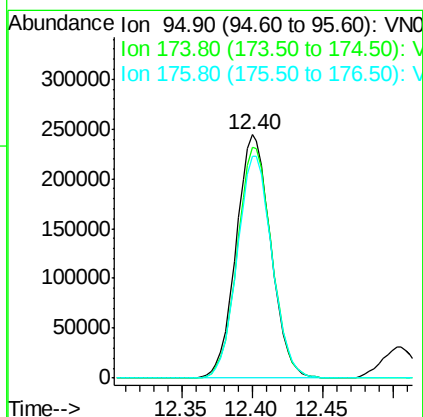
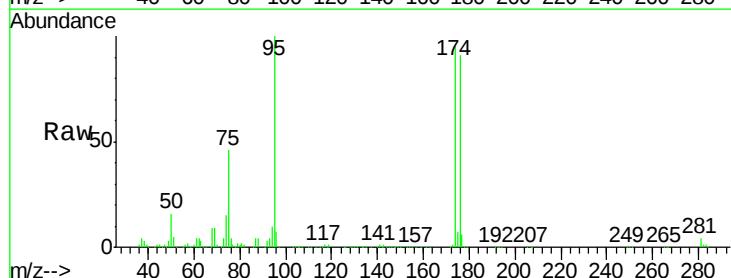
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 321562
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 48.201 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Tgt Ion: 95 Resp: 419783
 Ion Ratio Lower Upper
 95 100
 174 94.6 0.0 183.2
 176 92.0 0.0 177.4

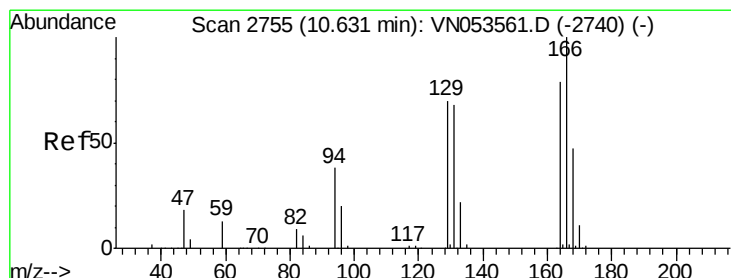
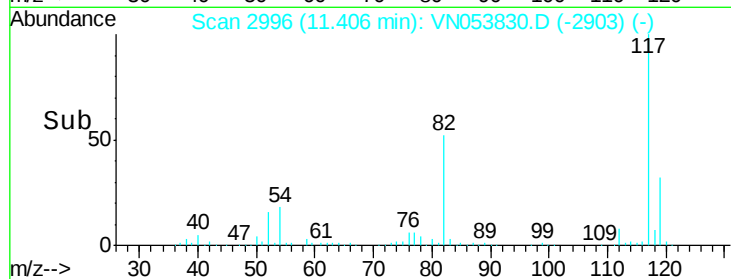
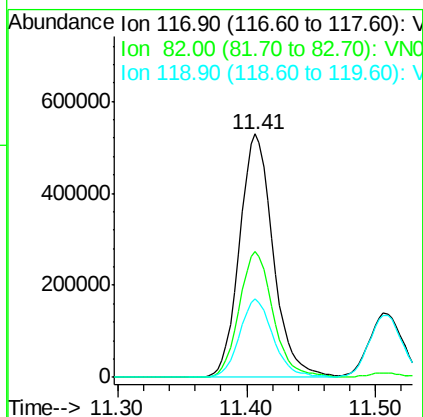
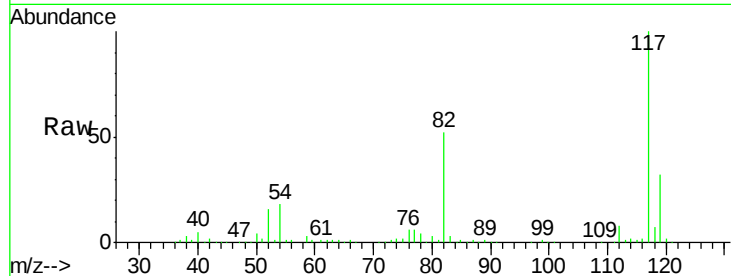




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

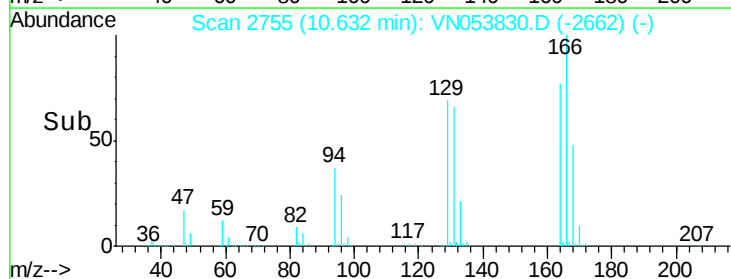
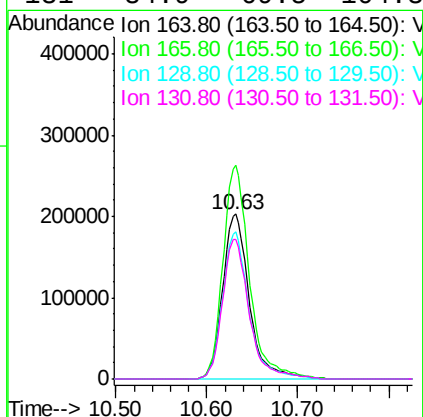
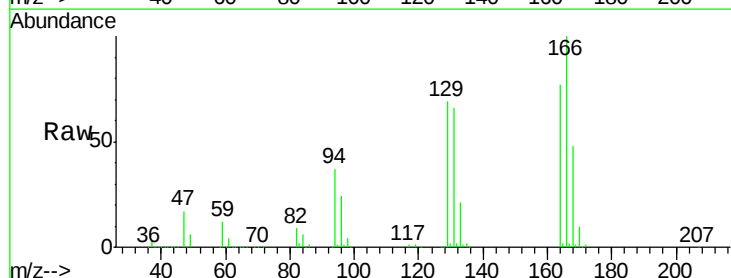
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 960749
Ion Ratio Lower Upper
117 100
82 51.6 42.9 64.3
119 32.2 26.0 39.0



#64
Tetrachloroethene
Concen: 50.179 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion:164 Resp: 413262
Ion Ratio Lower Upper
164 100
166 129.6 102.2 153.4
129 89.1 72.6 109.0
131 84.9 69.5 104.3

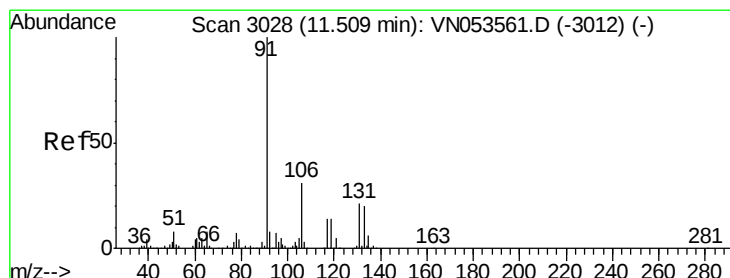
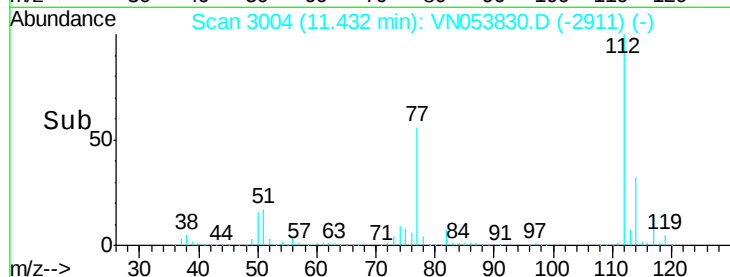
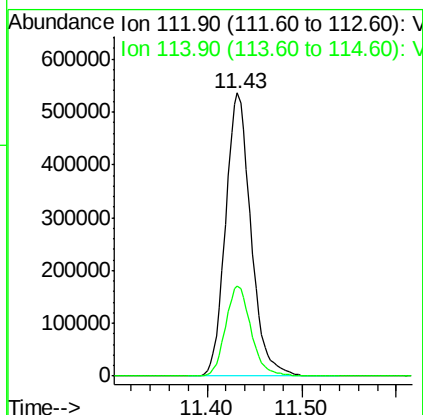
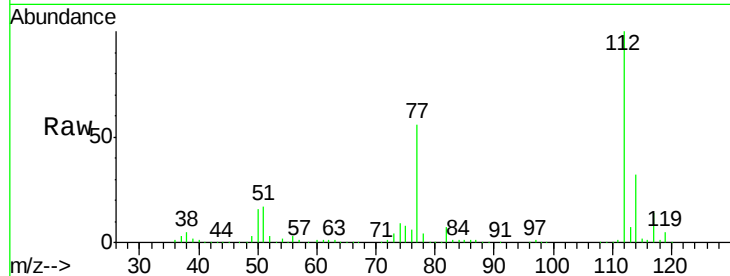




#65
Chlorobenzene
Concen: 48.875 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

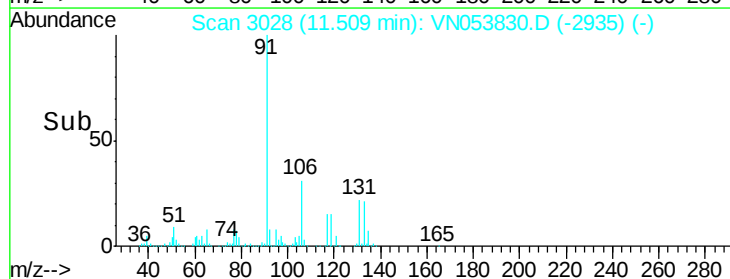
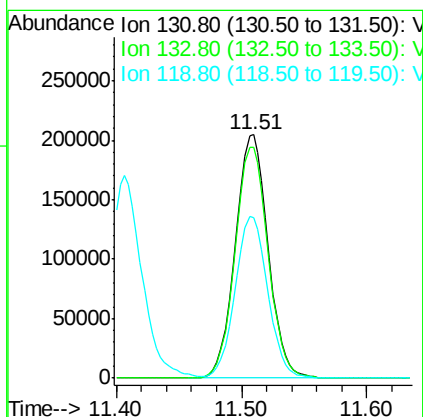
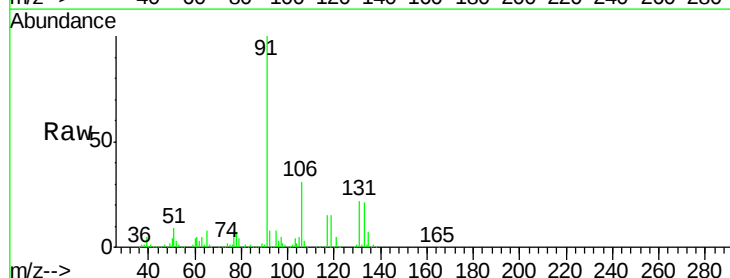
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

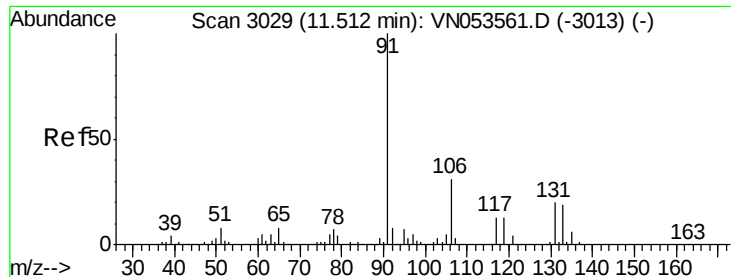
Tot Ion:112 Resp: 997408
Ion Ratio Lower Upper
112 100
114 31.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.080 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion:131 Resp: 371179
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.2 33.5 100.5

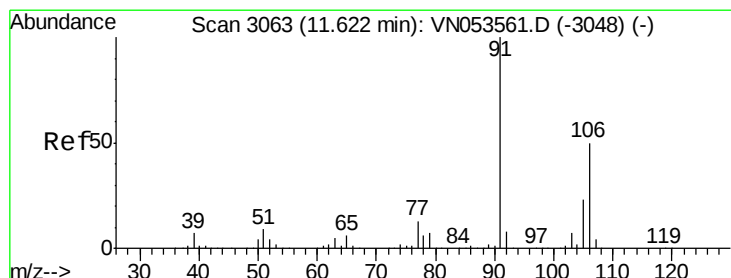
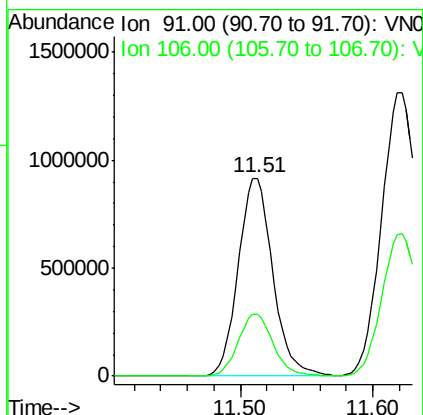
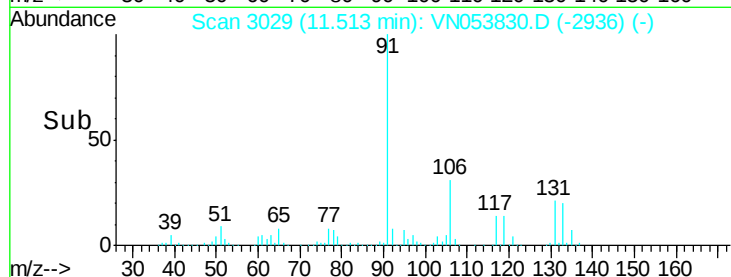
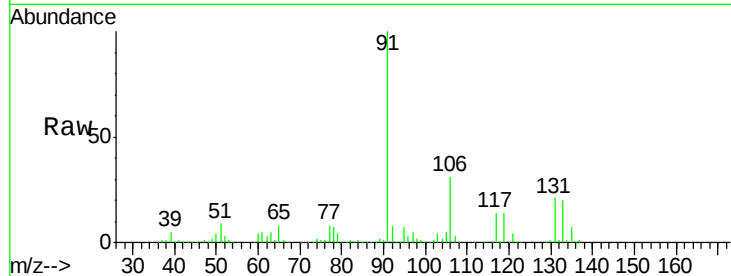




#67
Ethyl Benzene
Concen: 49.617 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

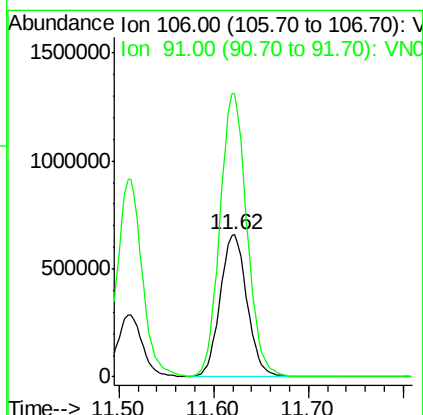
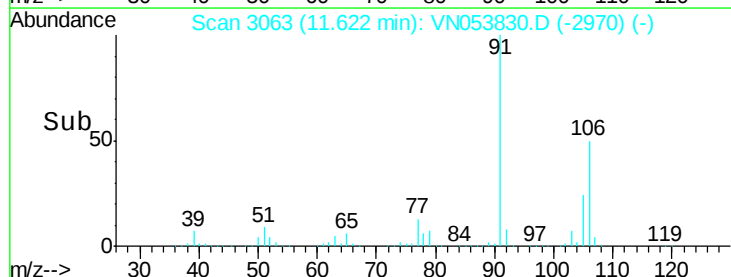
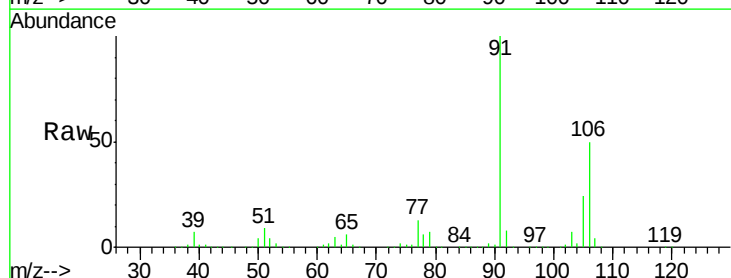
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

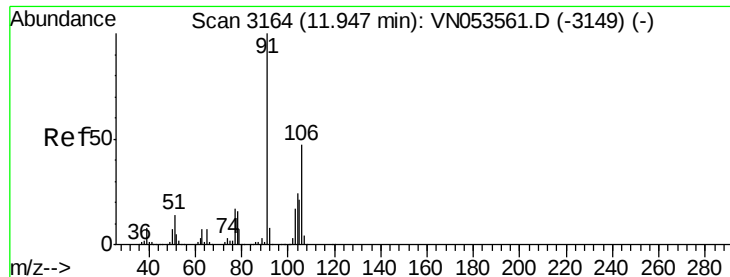
Tot Ion: 91 Resp: 1663318
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 102.029 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 106 Resp: 1305405
Ion Ratio Lower Upper
106 100
91 199.1 161.4 242.2

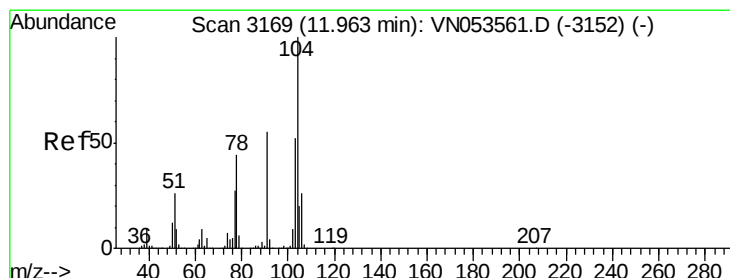
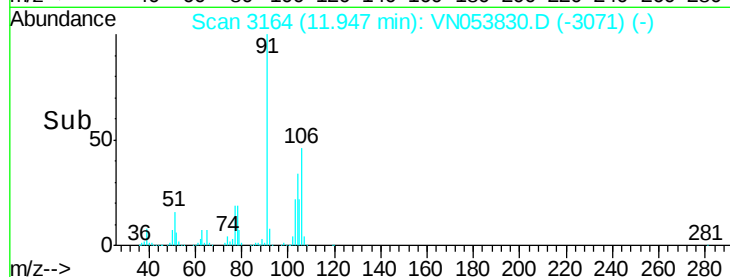
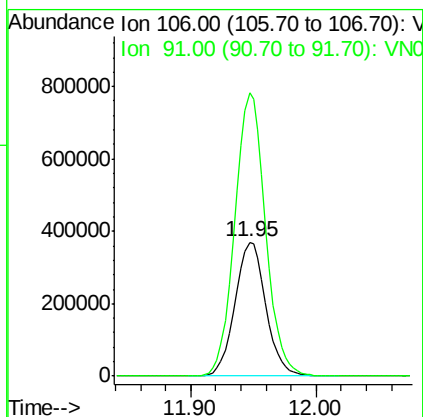
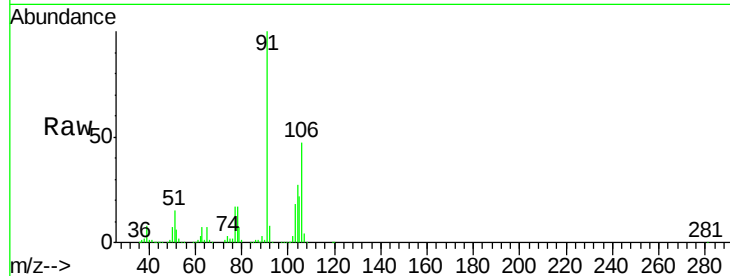




#69
o-Xylene
Concen: 51.061 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

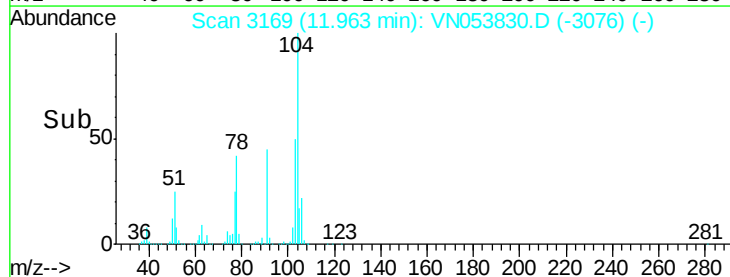
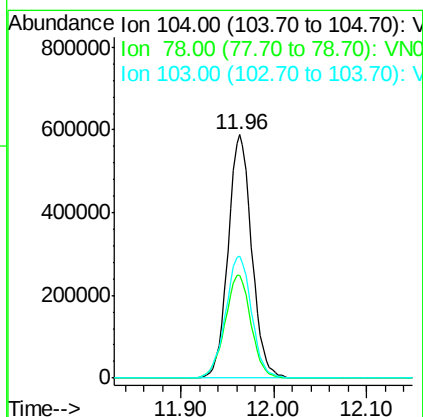
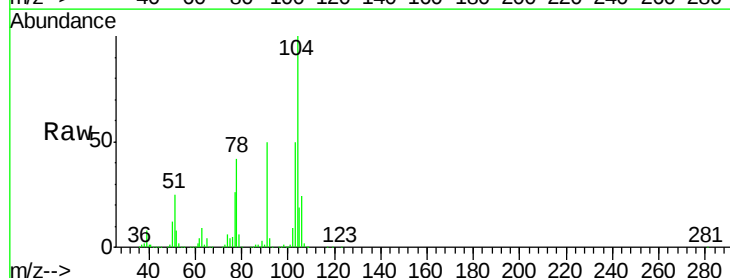
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

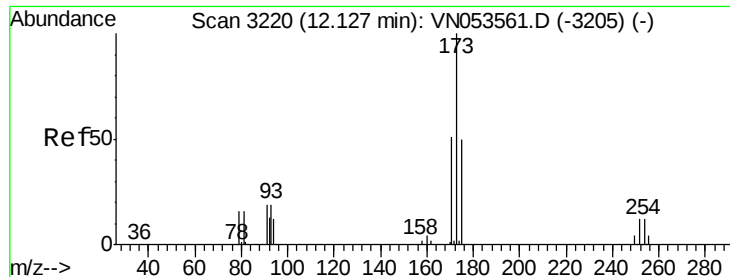
Tot Ion:106 Resp: 631154
Ion Ratio Lower Upper
106 100
91 210.7 106.9 320.8



#70
Styrene
Concen: 51.661 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion:104 Resp: 1035000
Ion Ratio Lower Upper
104 100
78 46.8 38.2 57.2
103 55.3 44.4 66.6





#71

Bromoform

Concen: 54.496 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

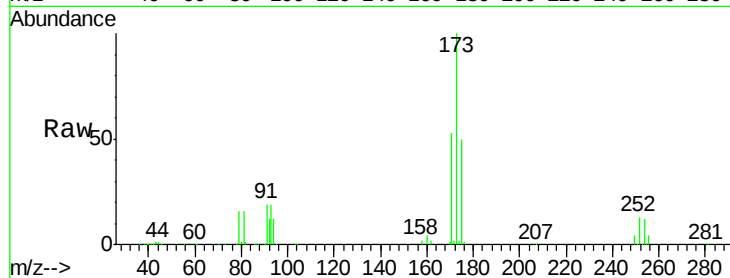
Tot Ion:173 Resp: 266275

Ion Ratio Lower Upper

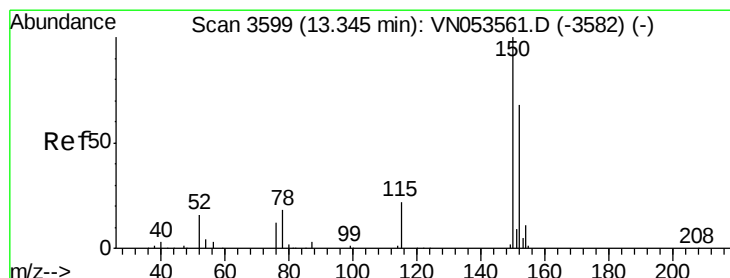
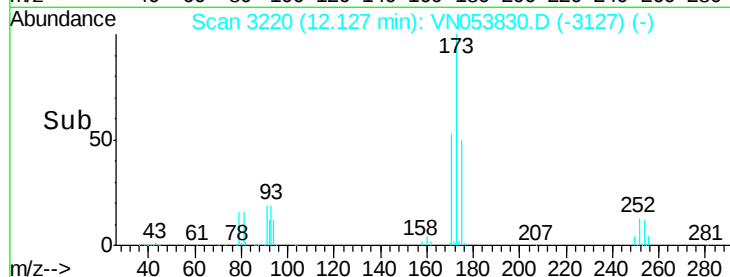
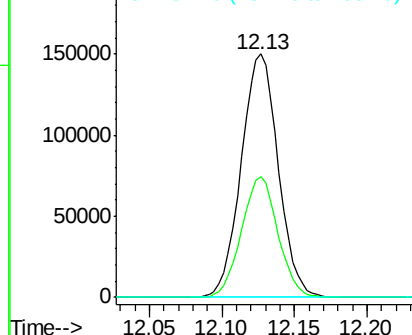
173 100

175 48.8 24.6 74.0

254 0.1 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: VN053830.D

Acq: 18 Feb 2019 9:02

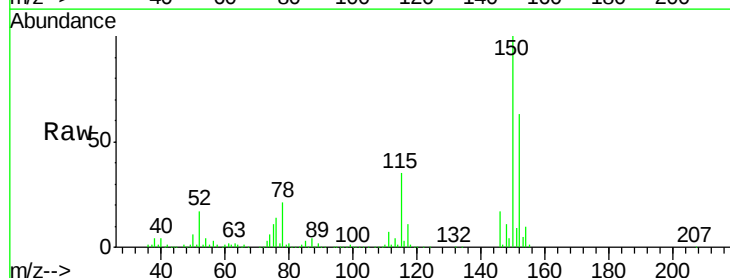
Tgt Ion:152 Resp: 445666

Ion Ratio Lower Upper

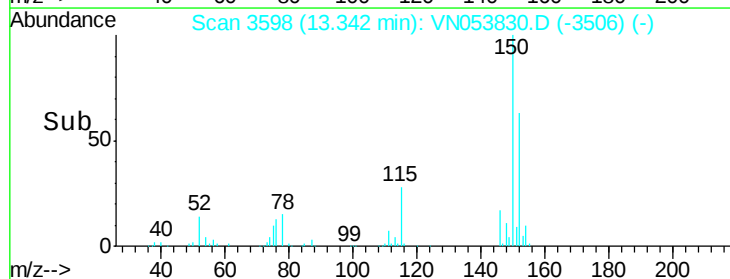
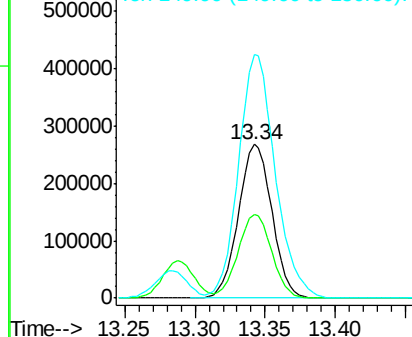
152 100

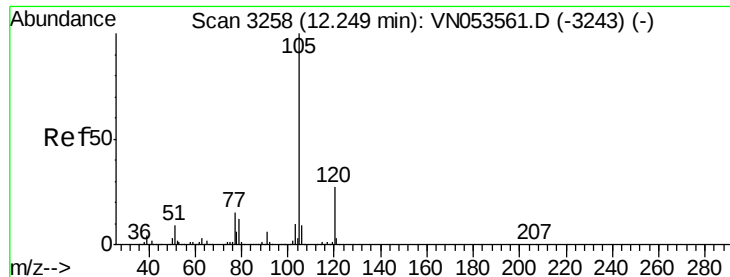
115 54.5 27.8 83.4

150 172.9 0.0 349.0



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: 52.118 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

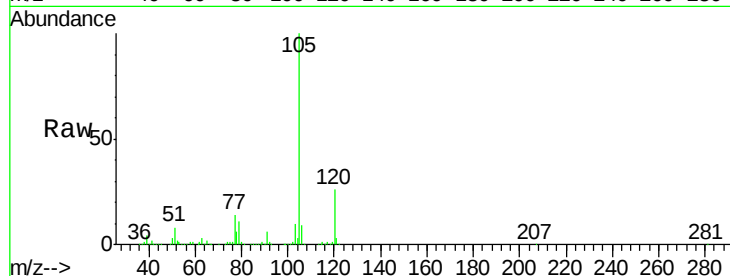
VSTDCCC050

Tot Ion:105 Resp: 1632835

Ion Ratio Lower Upper

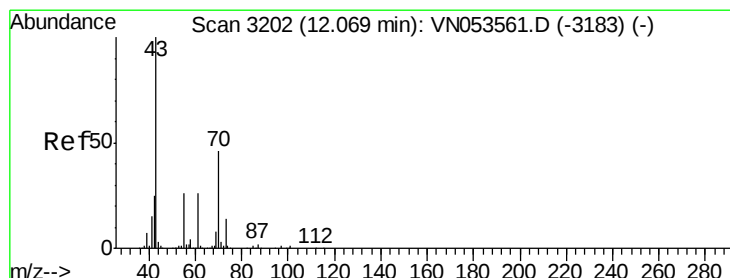
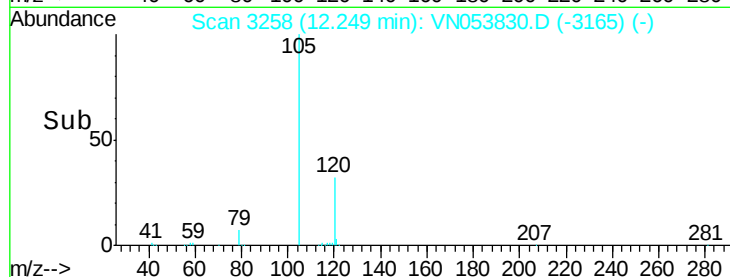
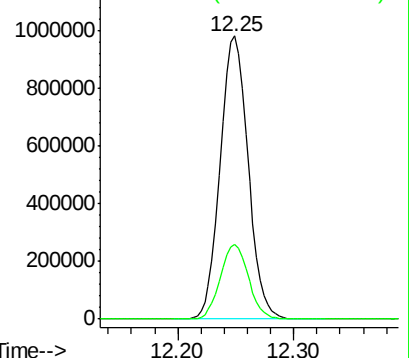
105 100

120 26.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.064 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Tgt Ion: 43 Resp: 392238

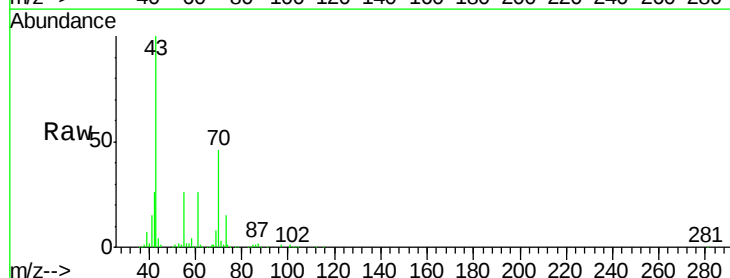
Ion Ratio Lower Upper

43 100

70 45.5 35.4 53.2

55 26.7 20.9 31.3

61 25.9 20.5 30.7

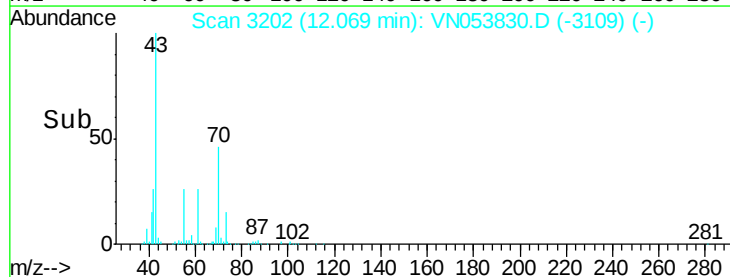
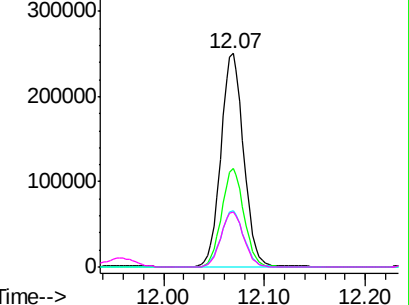


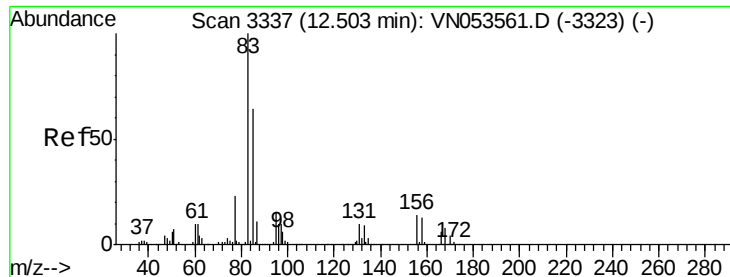
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.587 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

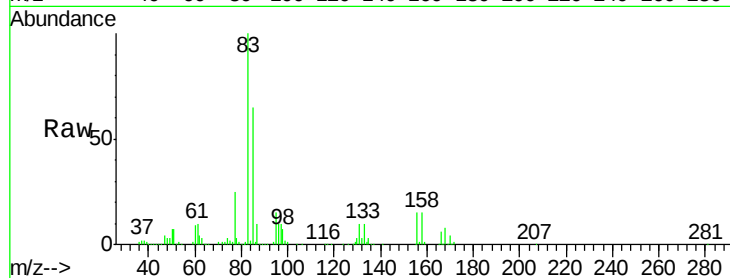
Tot Ion: 83 Resp: 356810

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.8

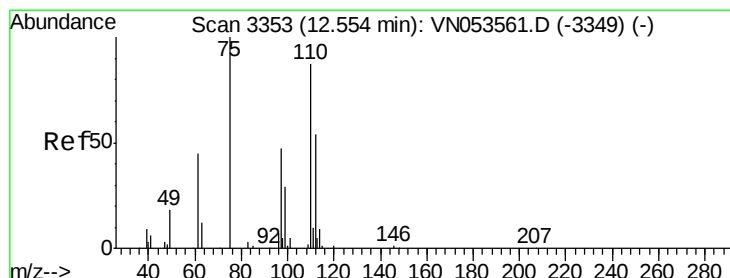
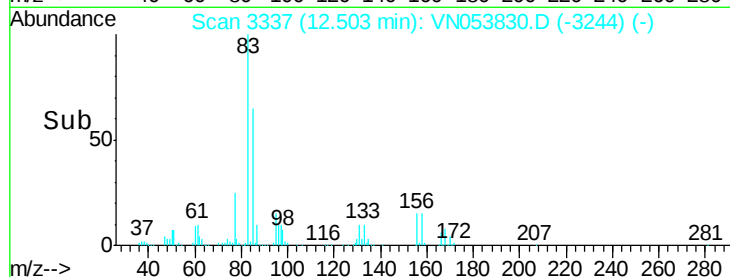
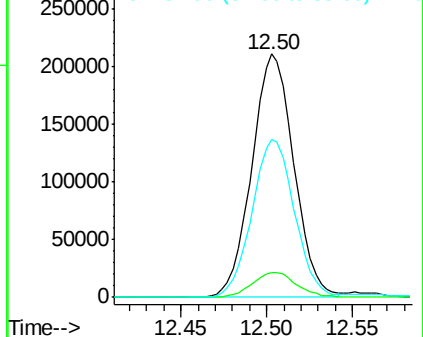
85 65.8 32.1 96.3



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



#76

1,2,3-Trichloropropane

Concen: 54.552 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053830.D

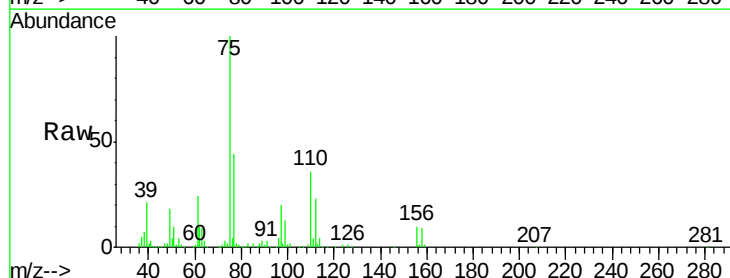
Acq: 18 Feb 2019 9:02

Tgt Ion: 75 Resp: 312270

Ion Ratio Lower Upper

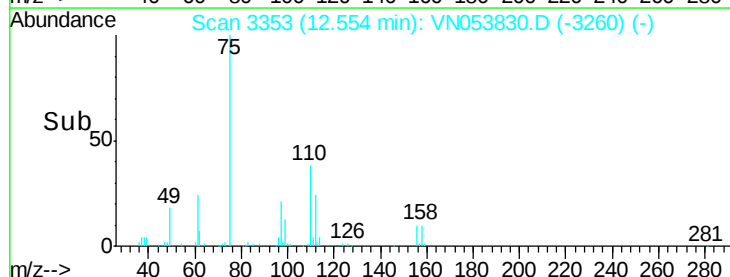
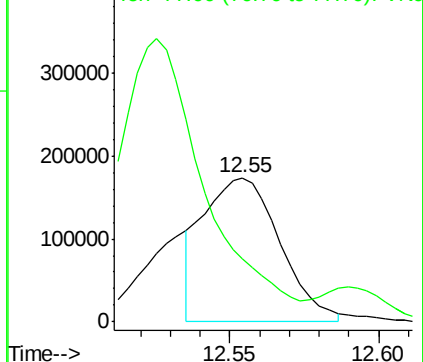
75 100

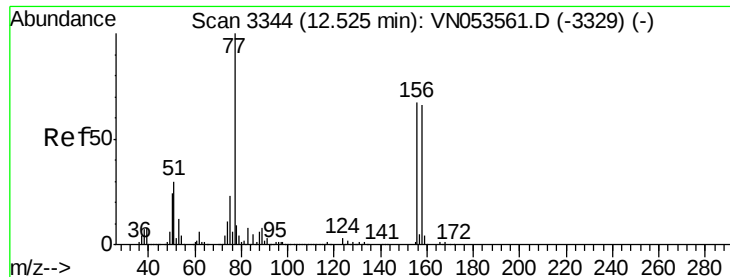
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.040 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

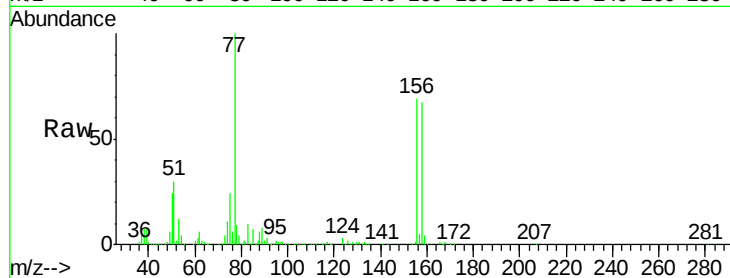
Tot Ion:156 Resp: 414074

Ion Ratio Lower Upper

156 100

77 168.3 87.9 263.8

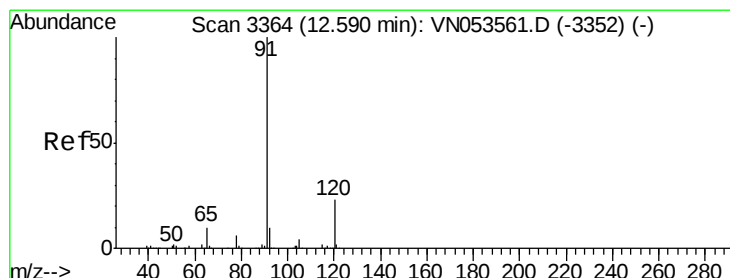
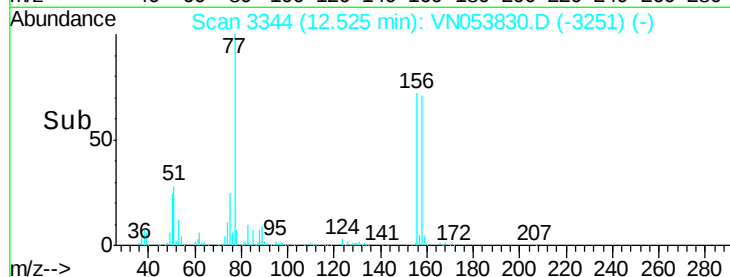
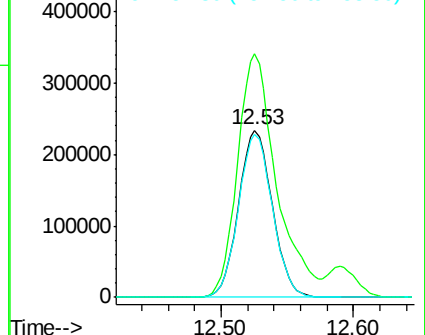
158 97.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.463 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053830.D

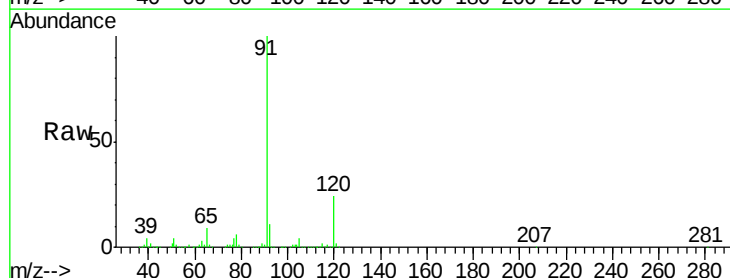
Acq: 18 Feb 2019 9:02

Tgt Ion: 91 Resp: 1827638

Ion Ratio Lower Upper

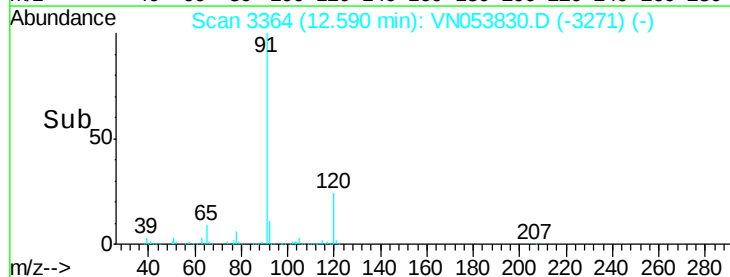
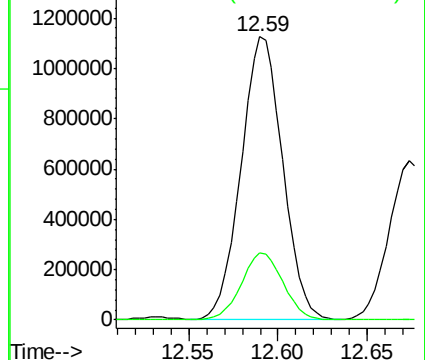
91 100

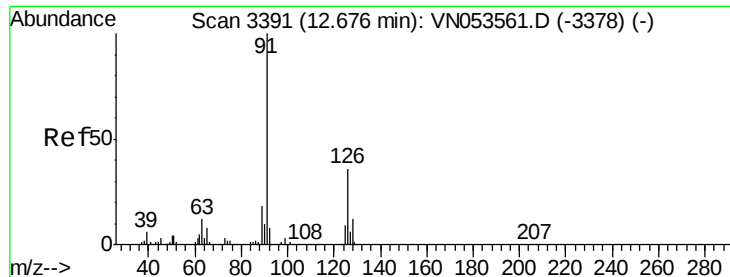
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.518 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

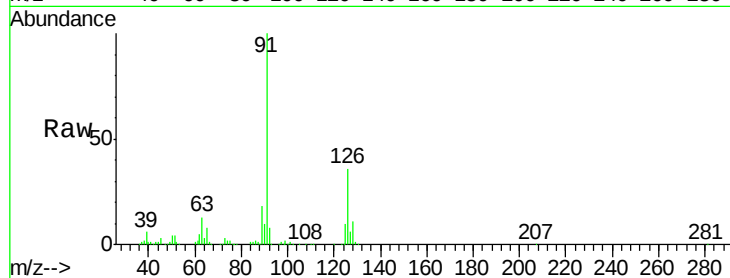
VSTDCCC050

Tot Ion: 91 Resp: 1063994

Ion Ratio Lower Upper

91 100

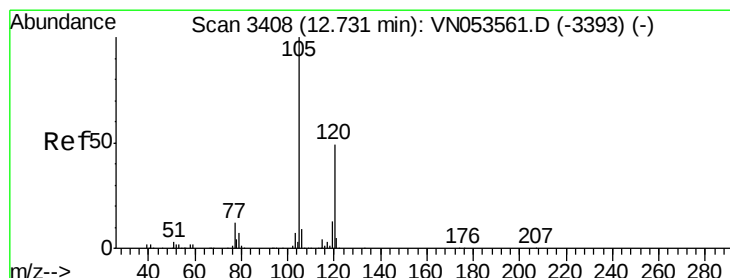
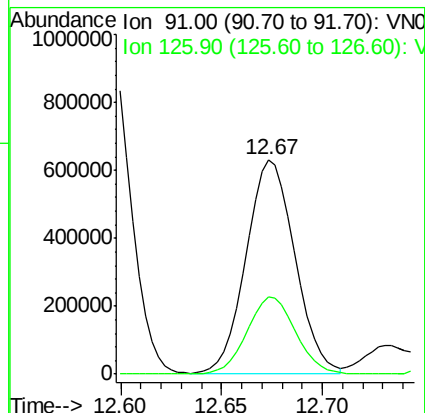
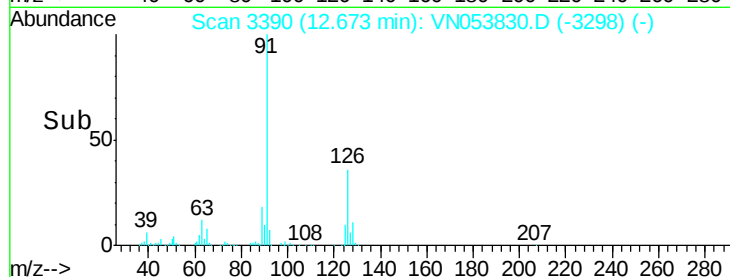
126 36.2 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053830.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN053830.D (-3298) (-)

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 51.877 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053830.D

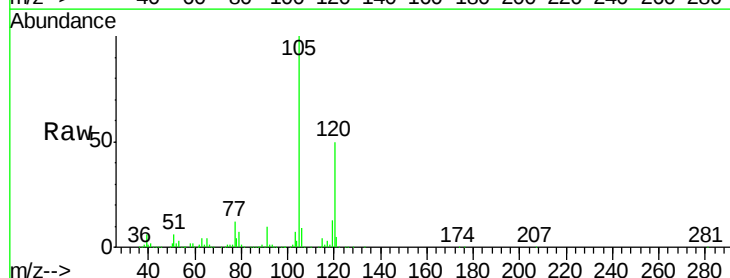
Acq: 18 Feb 2019 9:02

Tgt Ion: 105 Resp: 1347775

Ion Ratio Lower Upper

105 100

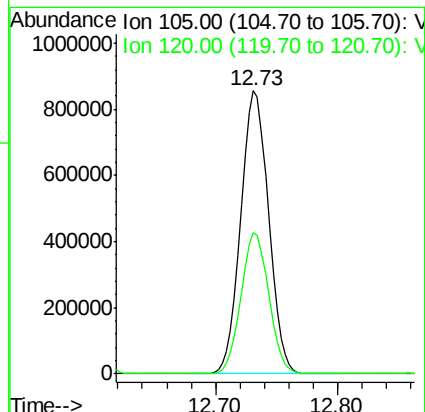
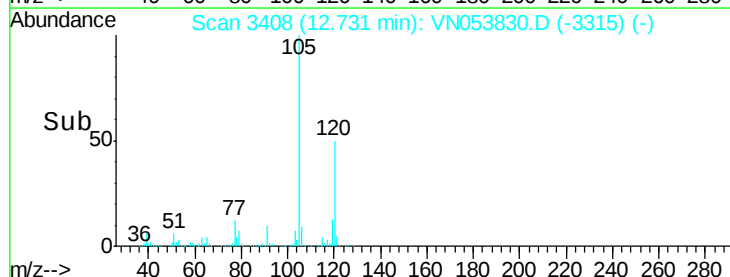
120 49.7 24.9 74.6

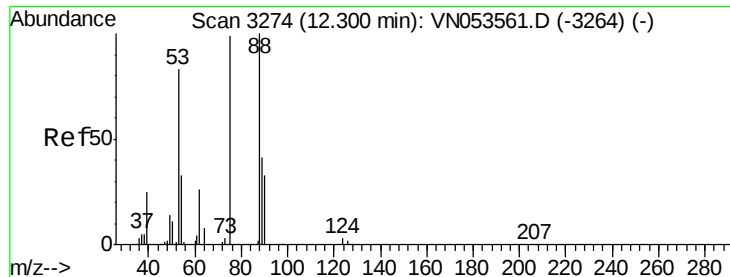


Abundance Ion 105.00 (104.70 to 105.70): VN053830.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053830.D (-3315) (-)

Time--> 12.70 12.80

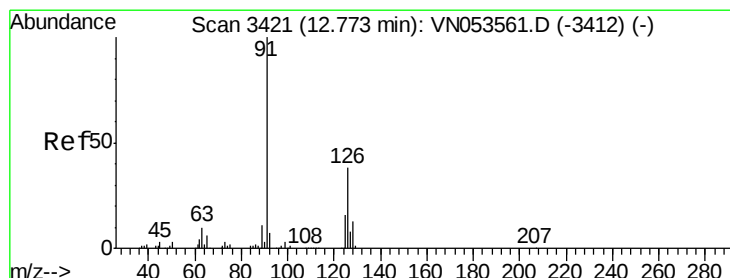
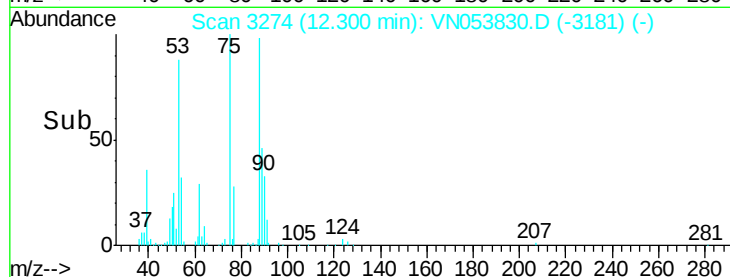
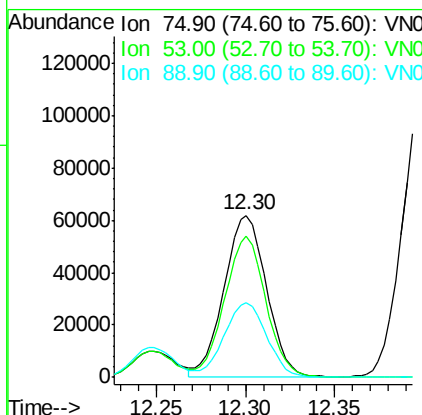
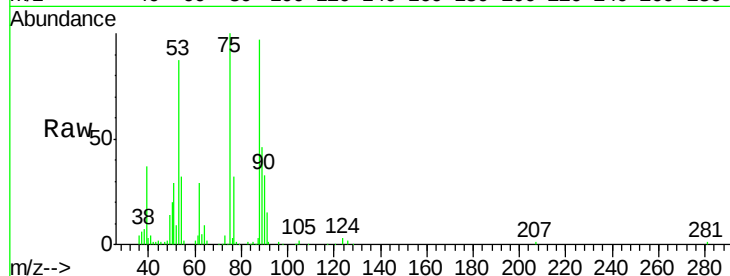




#81
trans-1,4-Dichloro-2-butene
Concen: 50.411 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

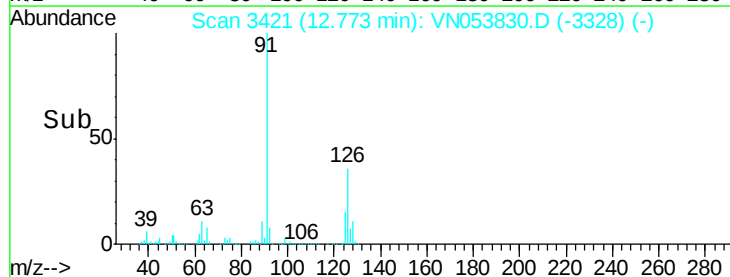
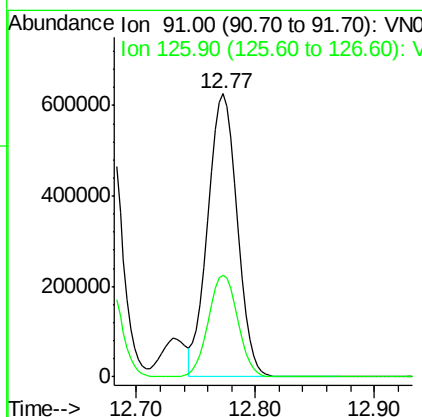
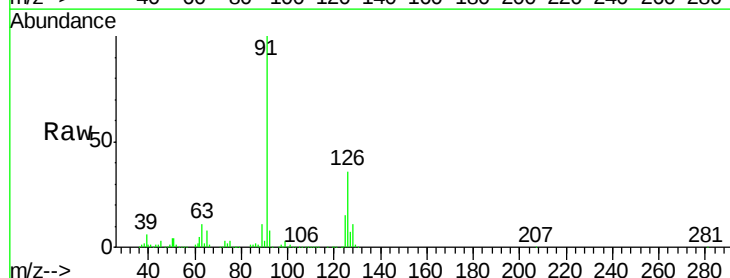
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

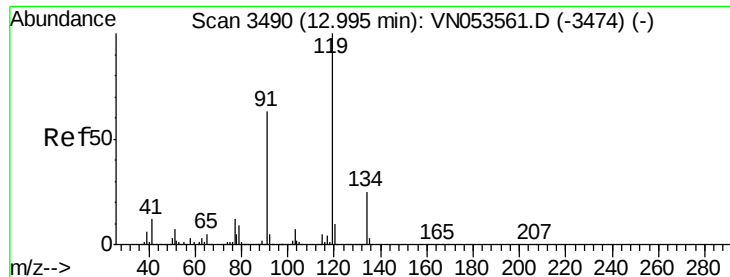
Tot Ion: 75 Resp: 102624
Ion Ratio Lower Upper
75 100
53 85.0 69.8 104.6
89 45.9 35.6 53.4



#82
4-Chlorotoluene
Concen: 48.722 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion: 91 Resp: 1074264
Ion Ratio Lower Upper
91 100
126 35.9 17.6 52.9

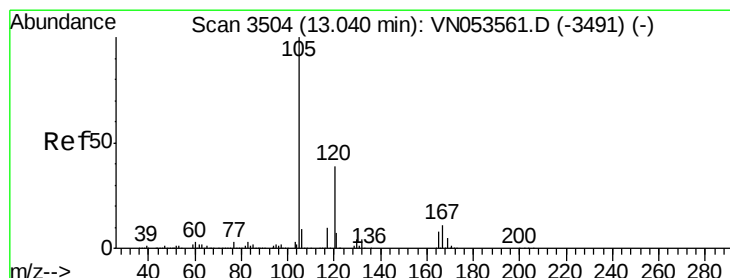
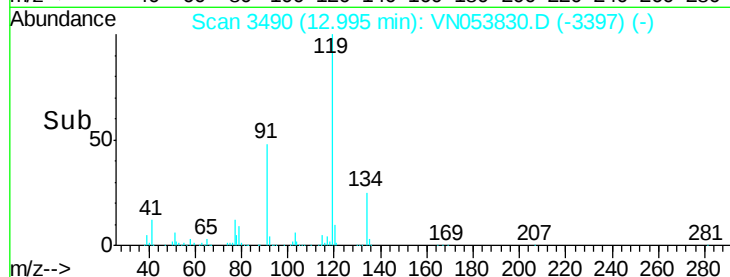
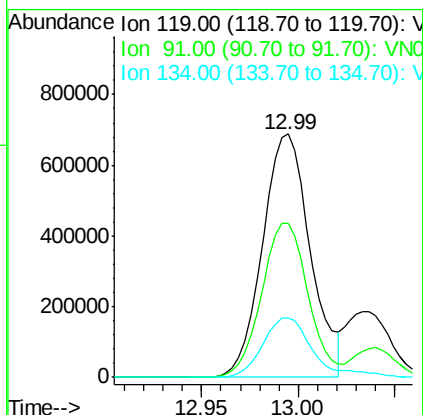
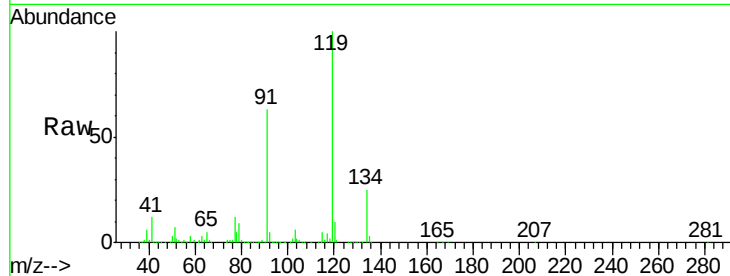




#83
tert-Butylbenzene
Concen: 51.677 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

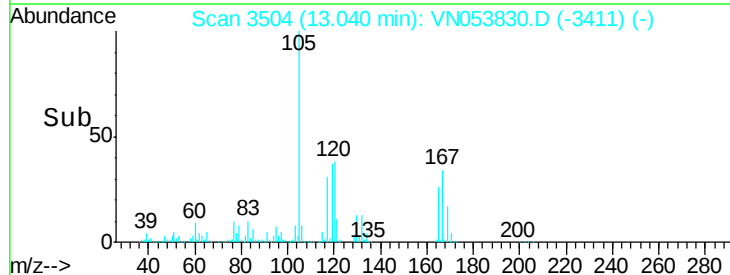
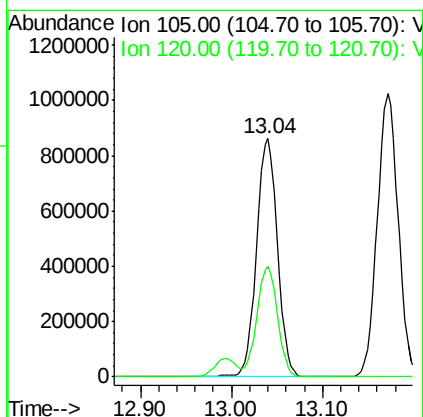
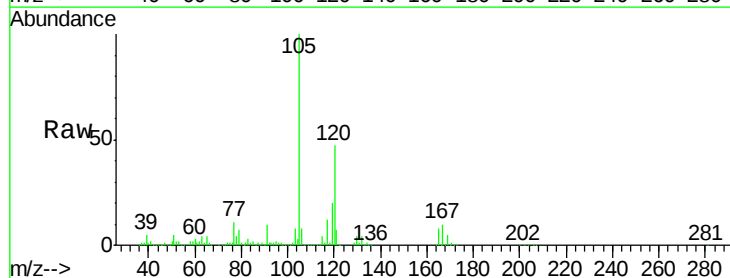
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

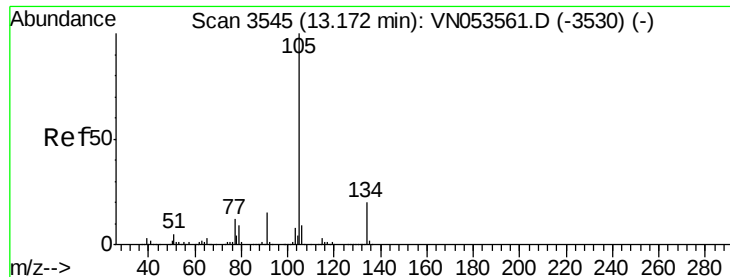
Tot Ion:119 Resp: 1186588
Ion Ratio Lower Upper
119 100
91 61.3 31.3 93.8
134 25.9 12.9 38.7



#84
1,2,4-Trimethylbenzene
Concen: 51.852 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053830.D
Acq: 18 Feb 2019 9:02

Tgt Ion:105 Resp: 1372458
Ion Ratio Lower Upper
105 100
120 46.1 23.0 69.0





#85

sec-Butylbenzene

Concen: 52.163 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

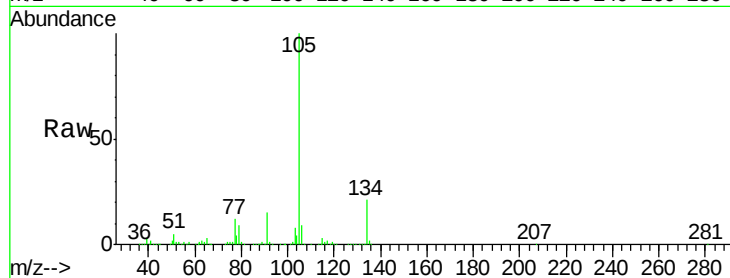
VSTDCCC050

Tot Ion:105 Resp: 1629894

Ion Ratio Lower Upper

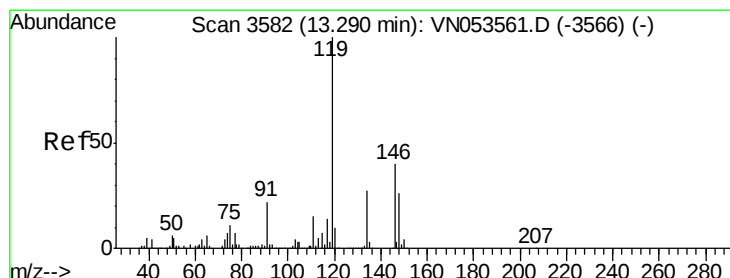
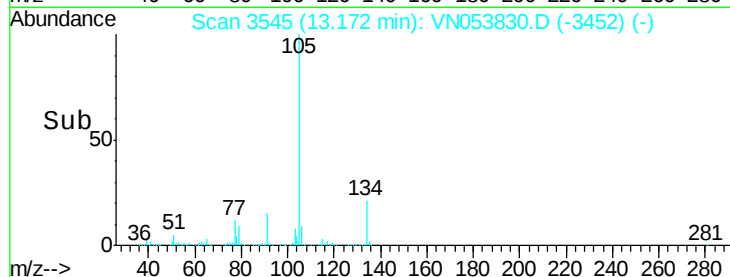
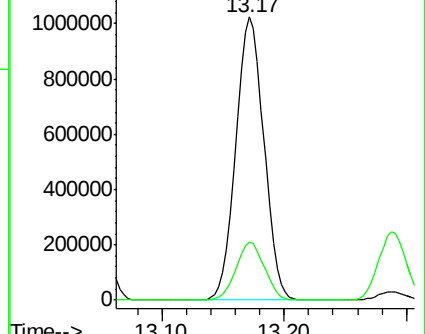
105 100

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: 52.289 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

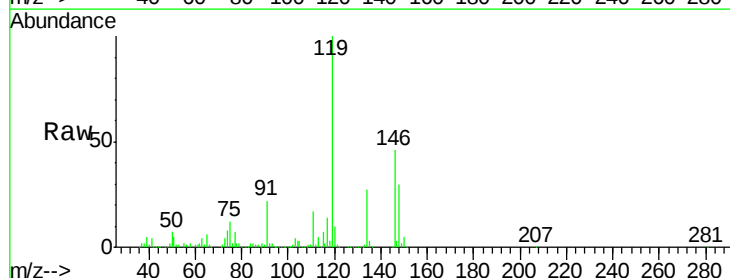
Tgt Ion:119 Resp: 1428938

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

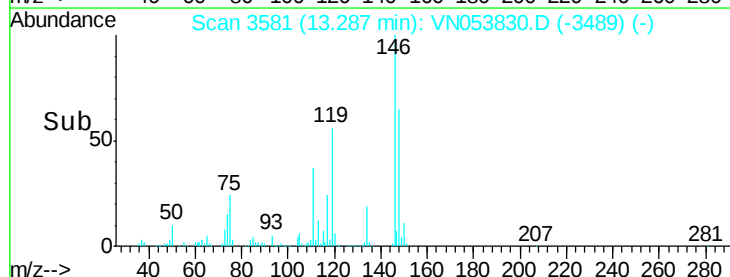
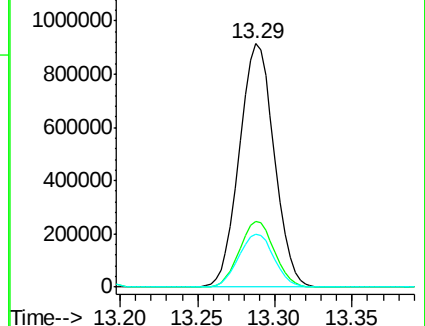
91 21.9 11.0 33.0

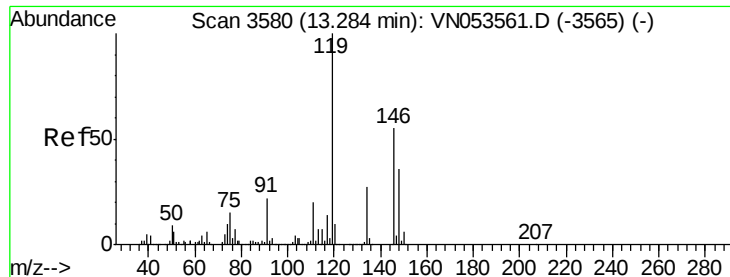


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.670 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

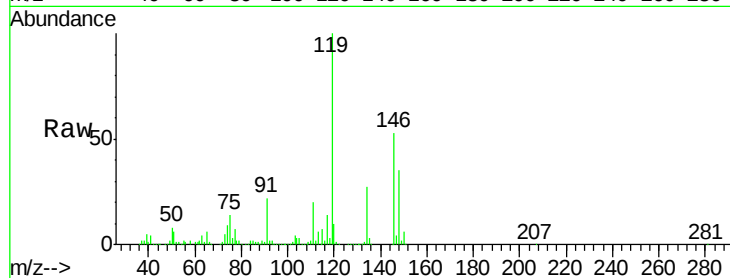
Tot Ion:146 Resp: 753920

Ion Ratio Lower Upper

146 100

111 36.4 18.8 56.3

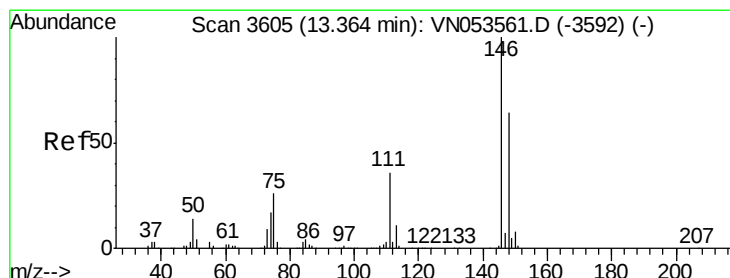
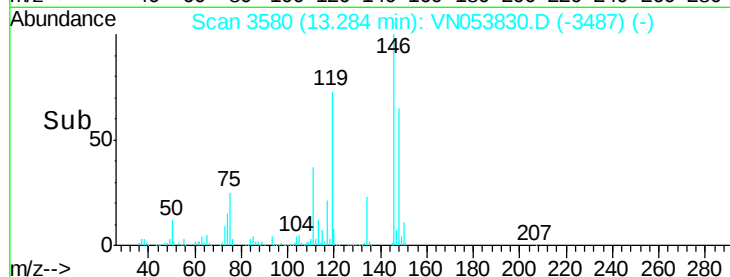
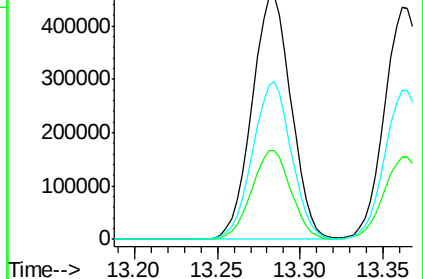
148 63.7 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.881 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

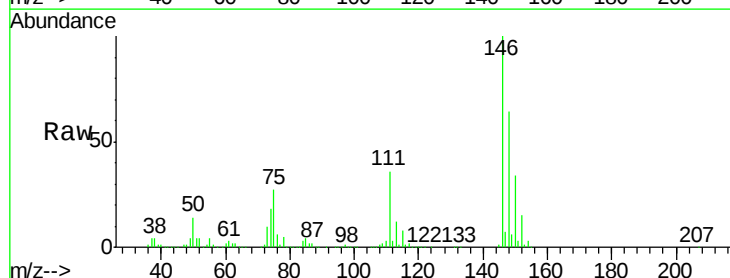
Tgt Ion:146 Resp: 733927

Ion Ratio Lower Upper

146 100

111 35.8 18.6 55.8

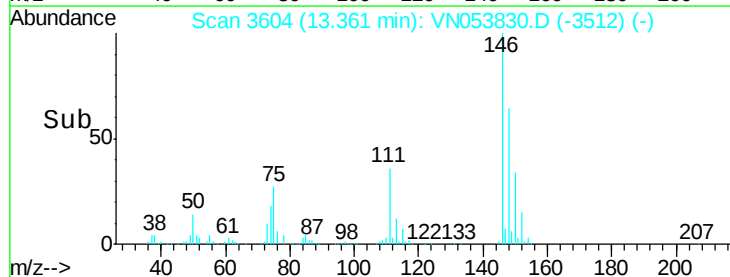
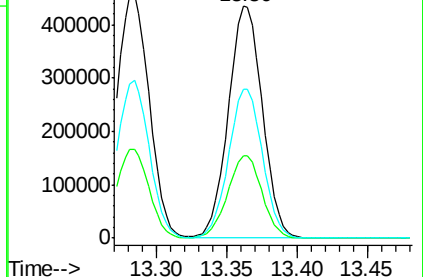
148 64.2 32.4 97.0

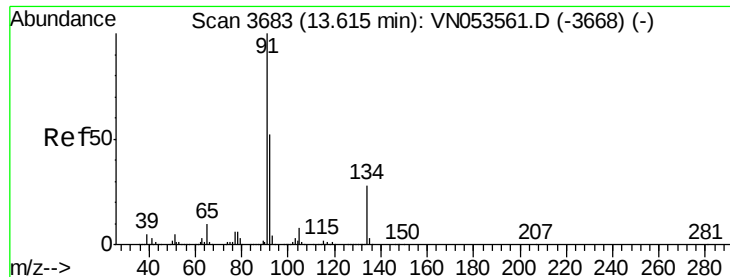


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 52.153 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

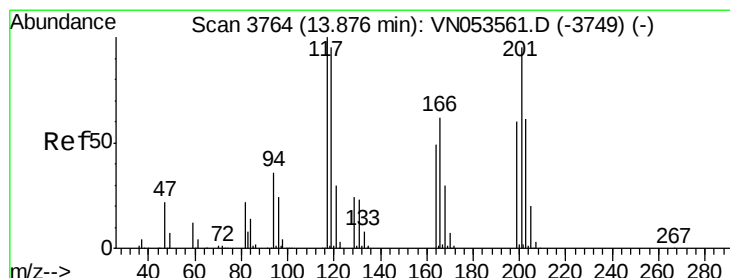
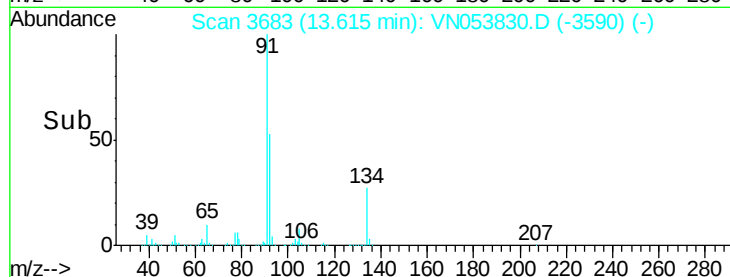
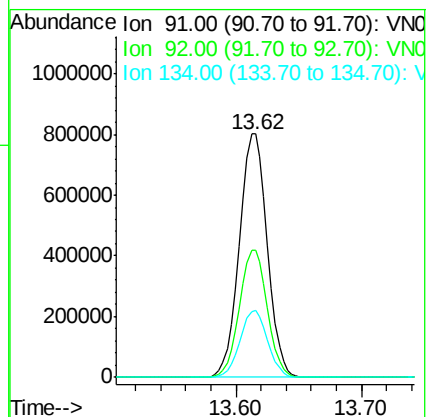
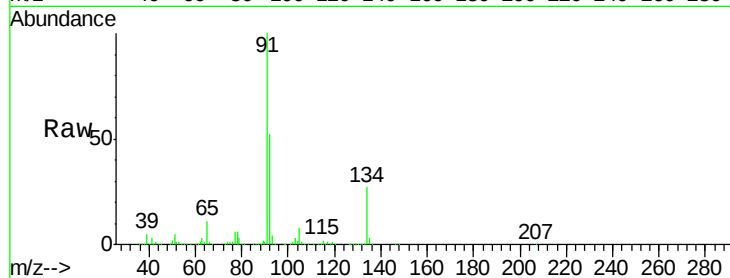
Tot Ion: 91 Resp: 1233607

Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.8
134	27.2	13.5	40.5

91 100

92 52.4 26.3 78.8

134 27.2 13.5 40.5



#90

Hexachloroethane

Concen: 54.706 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053830.D

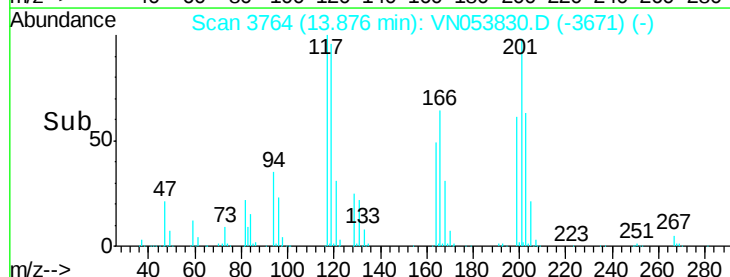
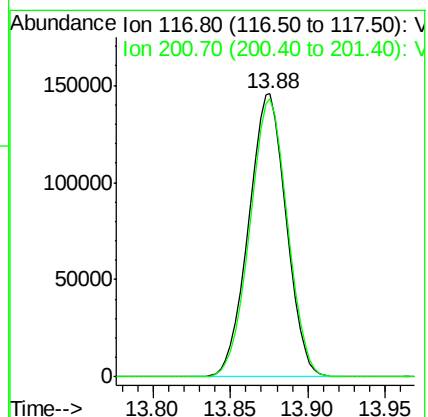
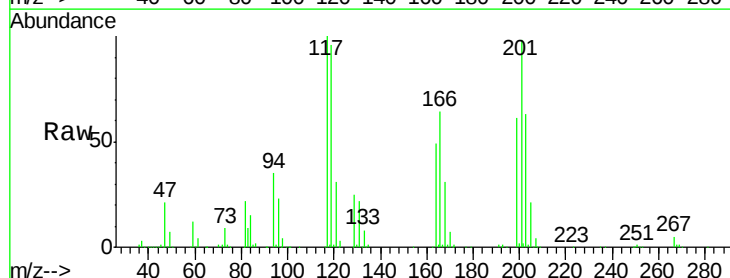
Acq: 18 Feb 2019 9:02

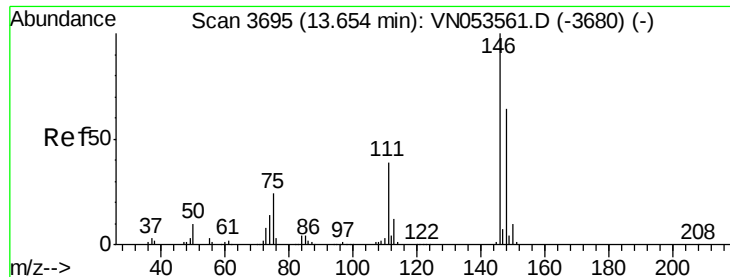
Tgt Ion: 117 Resp: 246596

Ion	Ratio	Lower	Upper
117	100		
201	98.0	46.8	140.4

117 100

201 98.0 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 49.703 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

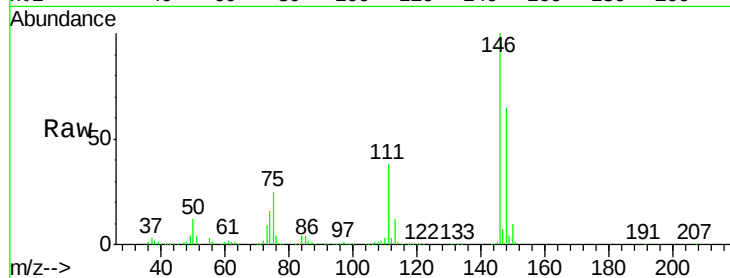
Tot Ion:146 Resp: 722246

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

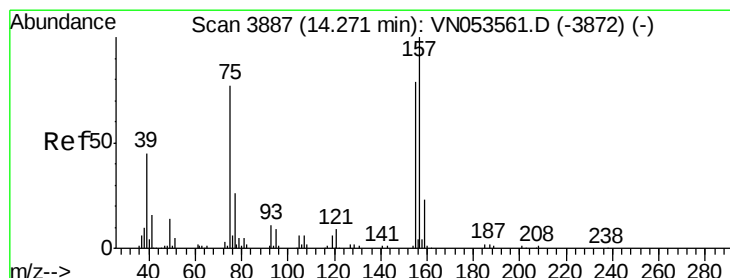
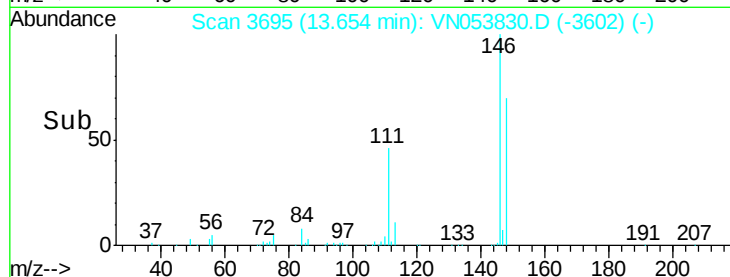
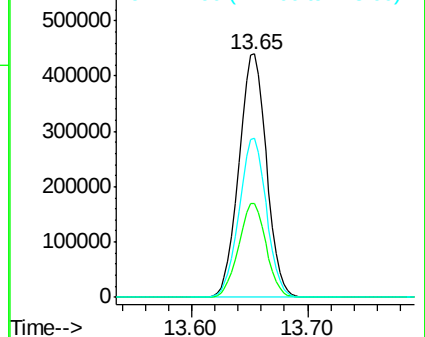
148 64.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.357 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

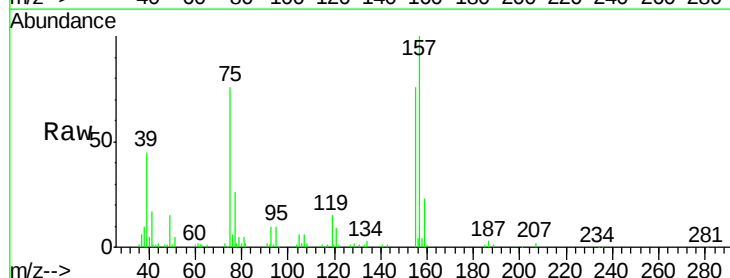
Tgt Ion: 75 Resp: 53811

Ion Ratio Lower Upper

75 100

155 99.1 48.9 146.7

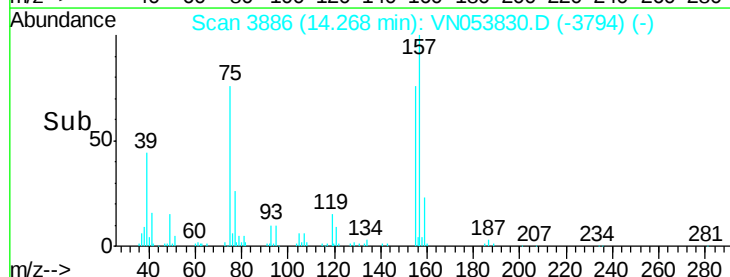
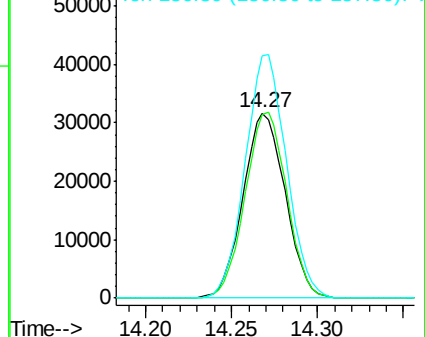
157 128.9 63.7 191.3



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

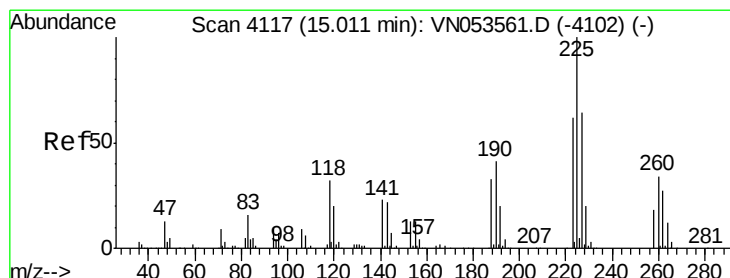
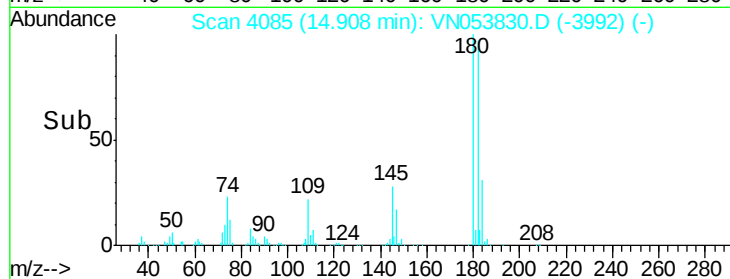
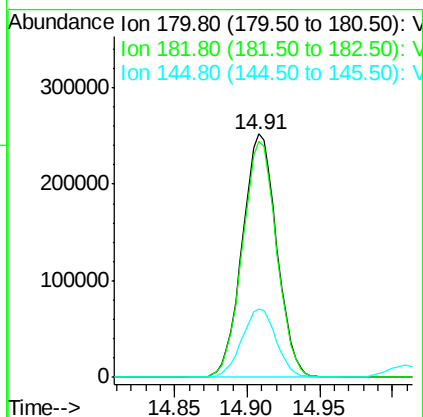
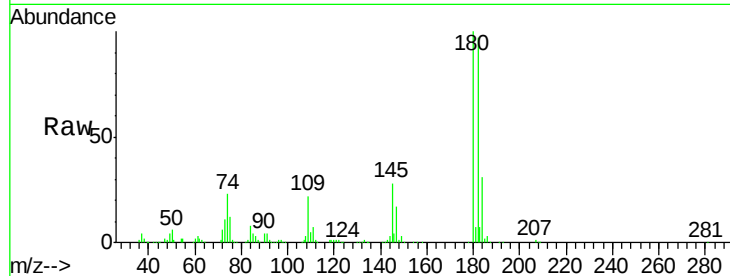




#93
 1,2,4-Trichlorobenzene
 Concen: 49.886 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

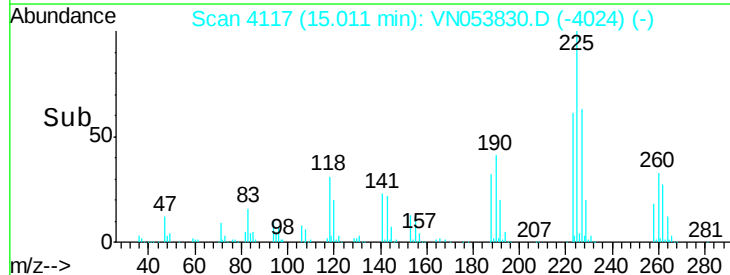
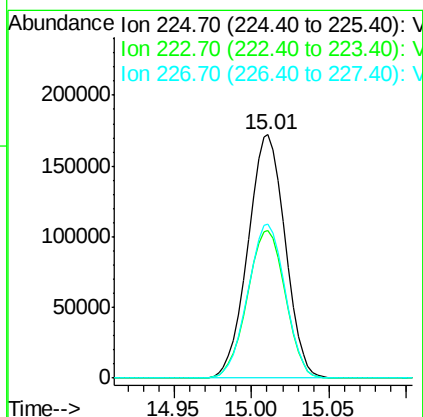
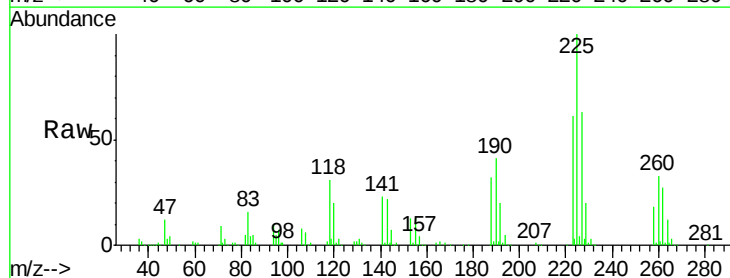
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 415753
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.1 144.3
 145 28.1 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 55.555 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053830.D
 Acq: 18 Feb 2019 9:02

Tgt Ion:225 Resp: 288337
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.1 93.2
 227 63.6 32.0 96.2





#95

Naphthalene

Concen: 40.357 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

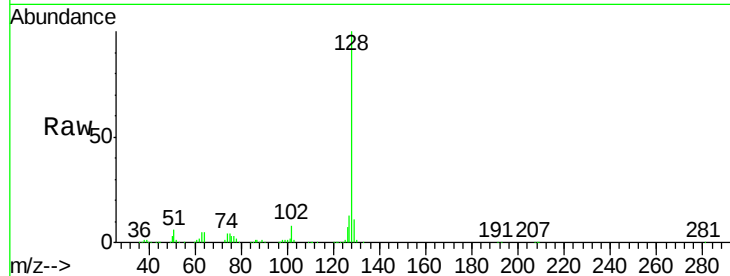
Tot Ion:128 Resp: 783299

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

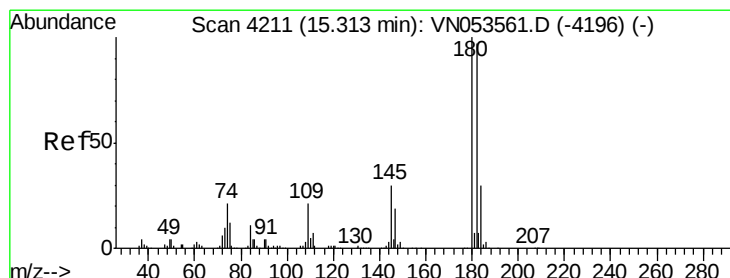
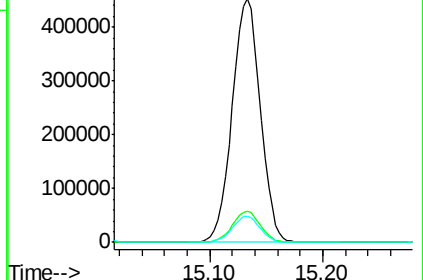
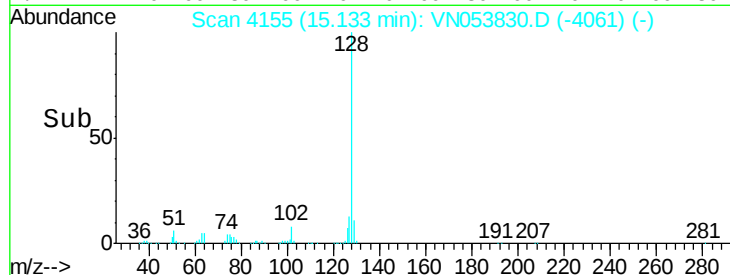
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.089 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053830.D

Acq: 18 Feb 2019 9:02

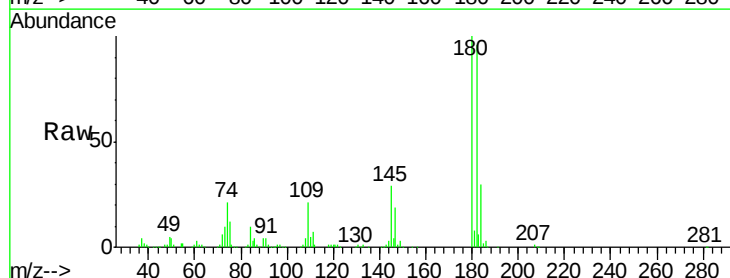
Tgt Ion:180 Resp: 387341

Ion Ratio Lower Upper

180 100

182 96.3 47.9 143.8

145 29.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

