

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022119\
 Data File : VN053902.D
 Acq On : 21 Feb 2019 19:38
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Feb 22 00:40:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	638516	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	954869	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	843616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	402882	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	315582	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
35) Dibromofluoromethane	7.59	113	304160	48.54	ug/l	0.00
Spiked Amount			Recovery	=	97.08%	
50) Toluene-d8	10.09	98	1138880	50.32	ug/l	0.00
Spiked Amount			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.40	95	373259	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	256310	46.203	ug/l	99
3) Chloromethane	2.06	50	321446	46.609	ug/l	99
4) Vinyl Chloride	2.19	62	359911	48.616	ug/l	98
5) Bromomethane	2.57	94	262766	48.467	ug/l	98
6) Chloroethane	2.71	64	234660	49.044	ug/l	99
7) Trichlorofluoromethane	3.02	101	510392	48.550	ug/l	100
8) Diethyl Ether	3.41	74	189870	51.378	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	316791	50.001	ug/l	99
10) Methyl Iodide	3.96	142	499138	53.126	ug/l	100
11) Tert butyl alcohol	4.78	59	107195	263.143	ug/l	99
12) 1,1-Dichloroethene	3.74	96	309426	52.220	ug/l	97
13) Acrolein	3.61	56	108851	373.850	ug/l	99
14) Allyl chloride	4.33	41	482416	53.794	ug/l	99
15) Acrylonitrile	4.99	53	573224	279.324	ug/l	100
16) Acetone	3.82	43	390269	217.462	ug/l	98
17) Carbon Disulfide	4.06	76	921569	50.215	ug/l	99
18) Methyl Acetate	4.33	43	228015	53.833	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	832139	55.352	ug/l	99
20) Methylene Chloride	4.55	84	348907	51.929	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	326990	52.578	ug/l	98
22) Diisopropyl ether	5.95	45	938260	56.126	ug/l	99
23) Vinyl Acetate	5.90	43	3391117	282.173	ug/l	100
24) 1,1-Dichloroethane	5.85	63	586997	51.863	ug/l	100
25) 2-Butanone	6.83	43	570706	246.442	ug/l	98
26) 2,2-Dichloropropane	6.83	77	401663	46.766	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	354978	50.953	ug/l	99
28) Bromochloromethane	7.19	49	241492	48.887	ug/l	99
29) Tetrahydrofuran	7.21	42	373504	249.390	ug/l	99
30) Chloroform	7.37	83	538235	47.327	ug/l	98
31) Cyclohexane	7.65	56	494142	47.654	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	461791	47.458	ug/l	99
36) 1,1-Dichloropropene	7.79	75	411882	47.059	ug/l	100
37) Ethyl Acetate	6.93	43	250882	47.632	ug/l	99
38) Carbon Tetrachloride	7.78	117	419716	48.034	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	494644	49.045	ug/l	100
40) Benzene	8.04	78	1258760	48.648	ug/l	100
41) Methacrylonitrile	7.18	41	130340	45.333	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	374290	48.523	ug/l	100
43) Isopropyl Acetate	8.16	43	446993	47.879	ug/l #	90
44) Trichloroethene	8.84	130	358859	49.543	ug/l	98
45) 1,2-Dichloropropane	9.12	63	324713	49.155	ug/l	98
46) Dibromomethane	9.21	93	196340	49.362	ug/l	98
47) Bromodichloromethane	9.40	83	415406	49.506	ug/l	99
48) Methyl methacrylate	9.20	41	207463	51.830	ug/l	95
49) 1,4-Dioxane	9.20	88	61061	943.235	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1180294	246.168	ug/l	99
52) Toluene	10.16	92	766170	49.967	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	420691	51.631	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	492111	51.242	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	284355	50.729	ug/l	98
56) Ethyl methacrylate	10.43	69	346071	48.102	ug/l	99
57) 1,3-Dichloropropane	10.71	76	467750	49.560	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	731094	227.042	ug/l	99
59) 2-Hexanone	10.75	43	732709	250.154	ug/l	100
60) Dibromochloromethane	10.90	129	328602	50.223	ug/l	99
61) 1,2-Dibromoethane	11.01	107	277191	49.776	ug/l	99
64) Tetrachloroethene	10.63	164	354089	46.939	ug/l	99
65) Chlorobenzene	11.44	112	846805	47.956	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	317780	49.316	ug/l	100
67) Ethyl Benzene	11.51	91	1415298	49.525	ug/l	100
68) m/p-Xylenes	11.62	106	1114374	100.710	ug/l	100
69) o-Xylene	11.95	106	537224	50.431	ug/l	100
70) Styrene	11.96	104	867736	51.909	ug/l	100
71) Bromoform	12.13	173	232194	50.775	ug/l #	99
73) Isopropylbenzene	12.25	105	1401288	49.372	ug/l	99
74) N-amyl acetate	12.07	43	335073	51.409	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	332386	49.534	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	408929	69.142	ug/l #	100
77) Bromobenzene	12.53	156	374725	49.217	ug/l	99
78) n-propylbenzene	12.59	91	1600320	50.421	ug/l	100
79) 2-Chlorotoluene	12.67	91	947239	49.497	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1210368	51.376	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	89733	50.088	ug/l	98
82) 4-Chlorotoluene	12.77	91	957114	50.202	ug/l	100
83) tert-Butylbenzene	12.99	119	1075188	50.826	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1216138	51.468	ug/l	99
85) sec-Butylbenzene	13.17	105	1429092	50.174	ug/l	100
86) p-Isopropyltoluene	13.29	119	1264757	51.164	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	651749	49.055	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	633564	47.394	ug/l	99
89) n-Butylbenzene	13.61	91	1030164	50.677	ug/l	99
90) Hexachloroethane	13.87	117	225355	47.720	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	644991	49.482	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48797	49.835	ug/l	99

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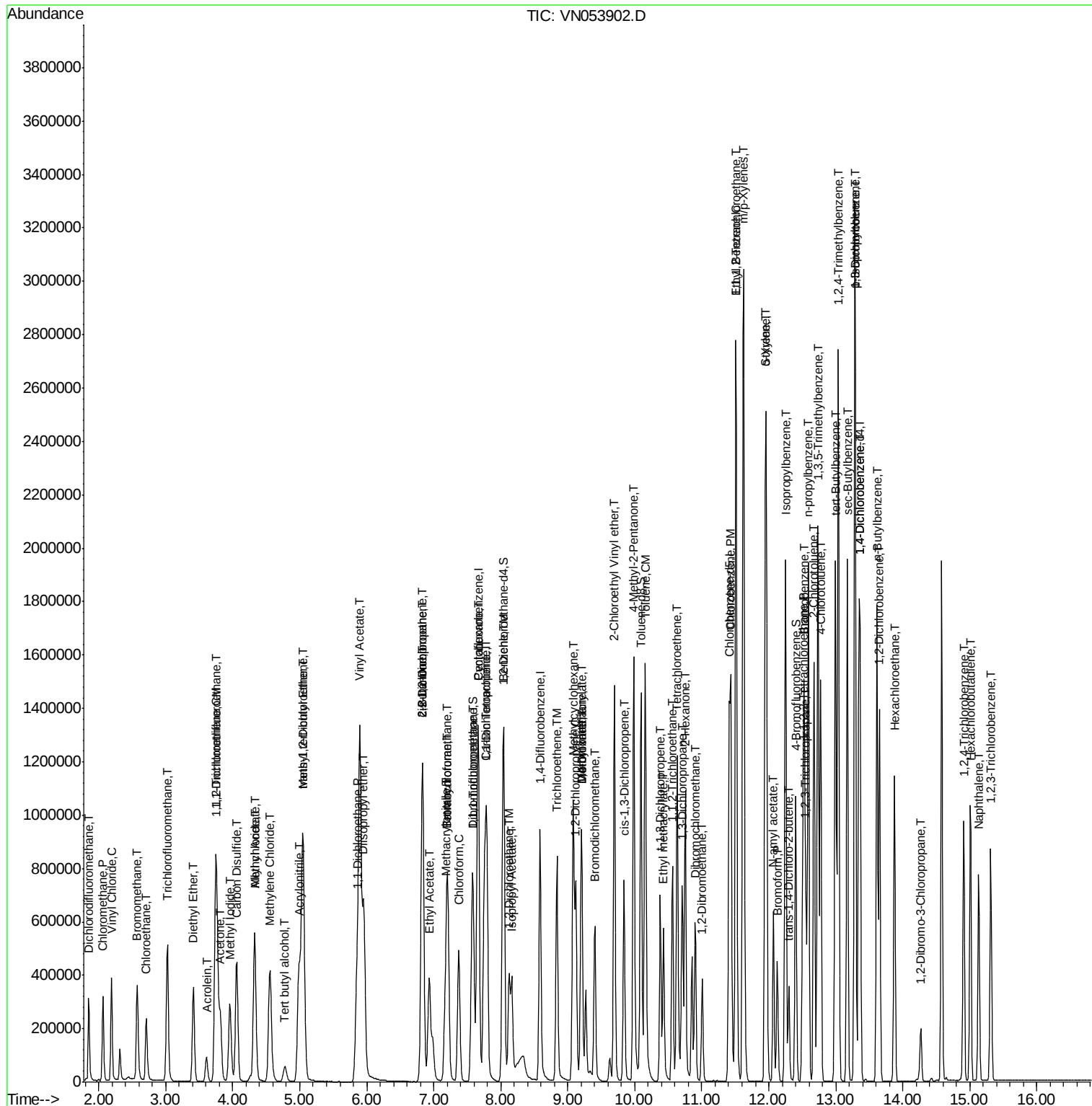
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	353895	45.120	ug/l	98
94) Hexachlorobutadiene	15.01	225	235848	43.386	ug/l	99
95) Naphthalene	15.13	128	685135	43.518	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	343247	46.030	ug/l	99

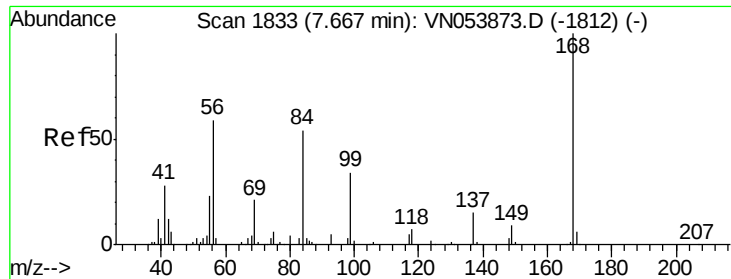
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

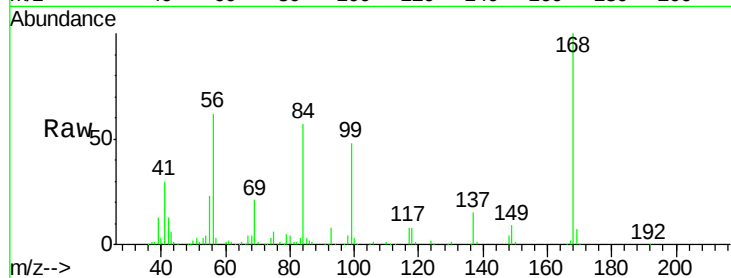
VSTDCCC050EC

Tot Ion:168 Resp: 638516

Ion Ratio Lower Upper

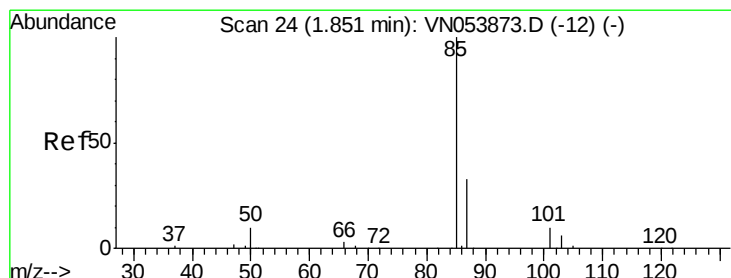
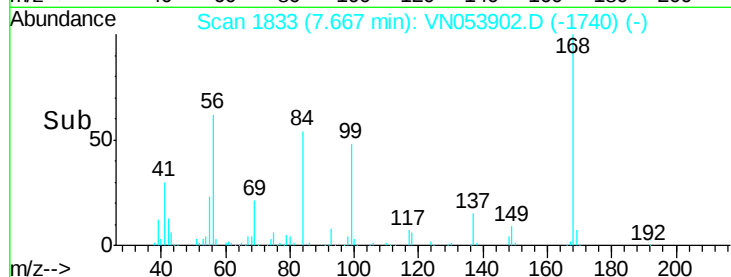
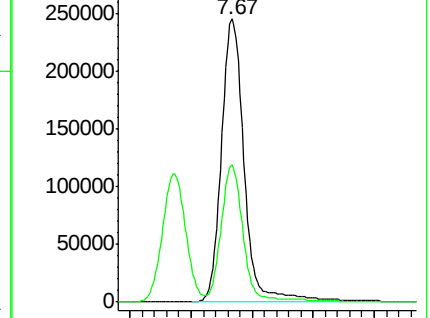
168 100

99 48.1 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.203 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053902.D

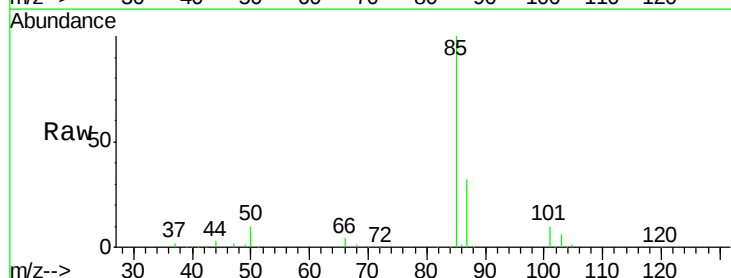
Acq: 21 Feb 2019 19:38

Tgt Ion: 85 Resp: 256310

Ion Ratio Lower Upper

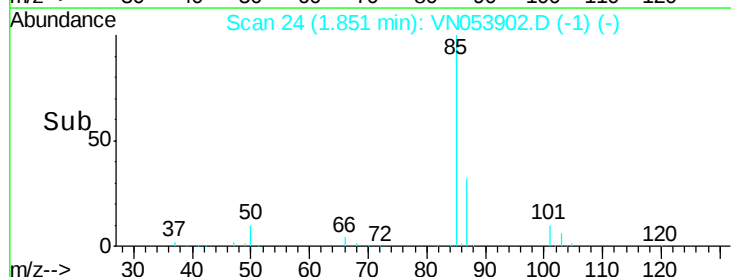
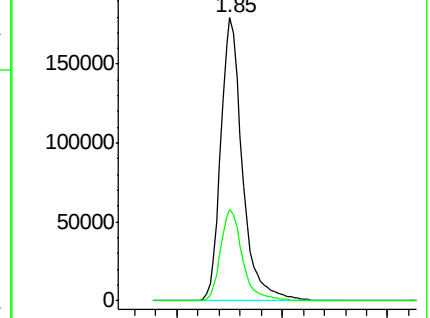
85 100

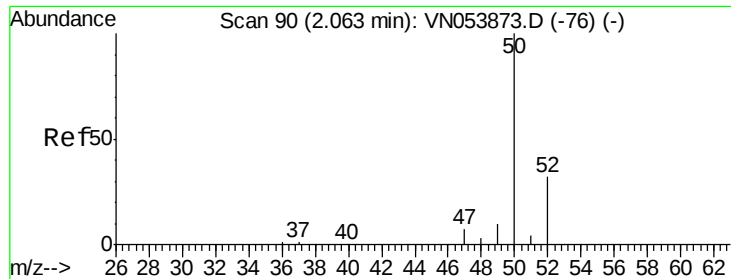
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.609 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

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ClientSampleId :

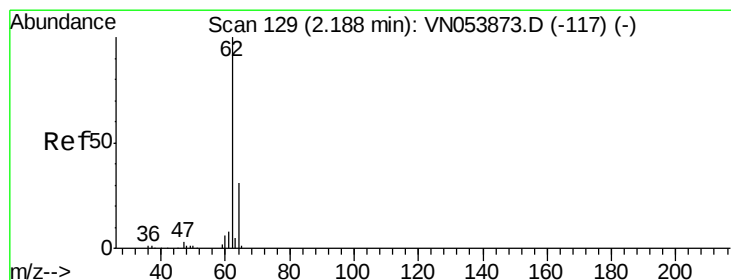
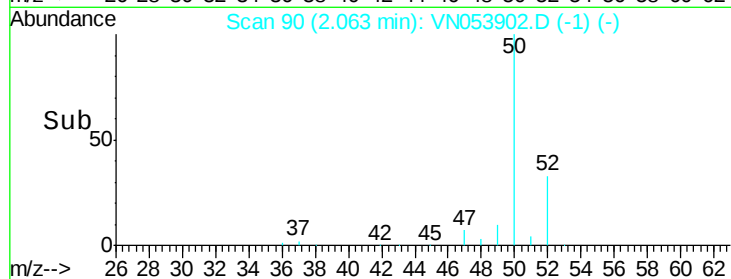
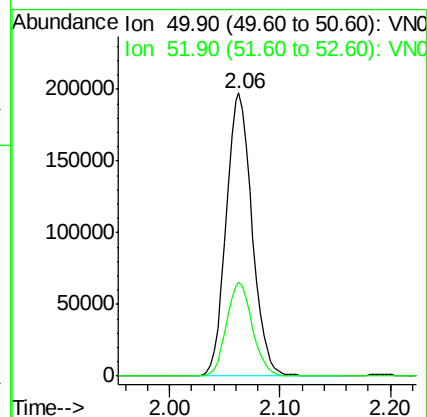
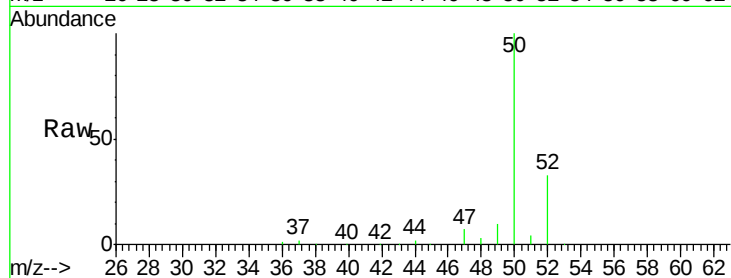
VSTDCCC050EC

Tot Ion: 50 Resp: 321446

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 48.616 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053902.D

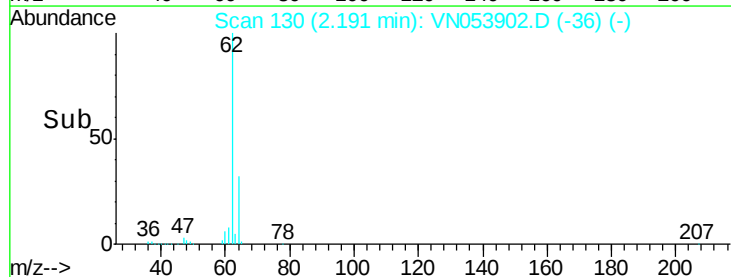
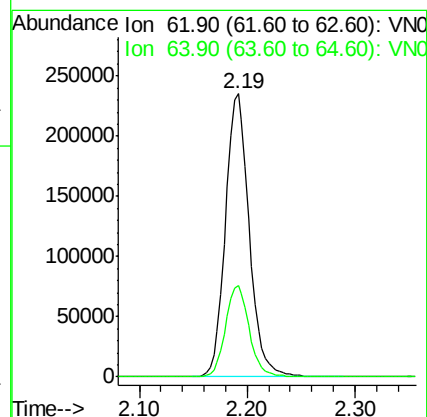
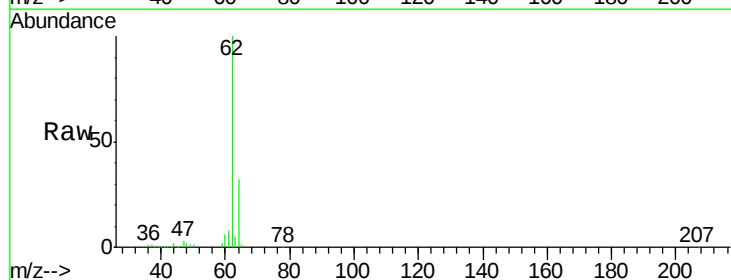
Acq: 21 Feb 2019 19:38

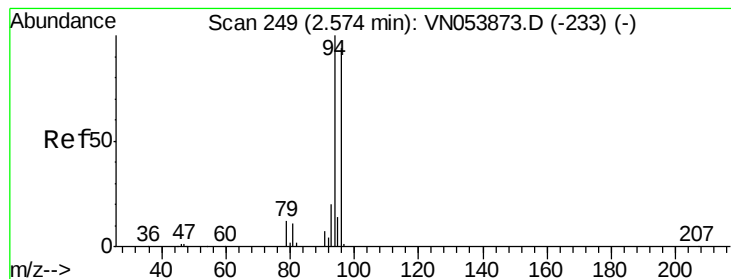
Tgt Ion: 62 Resp: 359911

Ion Ratio Lower Upper

62 100

64 32.4 25.1 37.7





#5

Bromomethane

Concen: 48.467 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

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ClientSampleId :

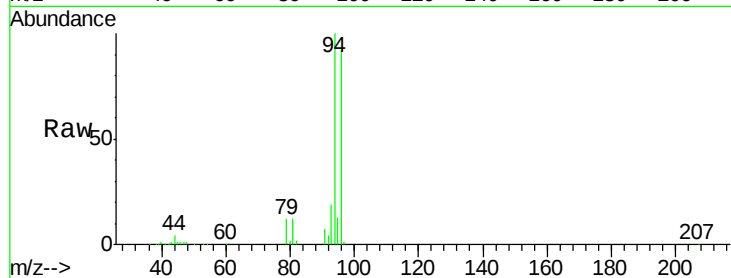
VSTDCCC050EC

Tot Ion: 94 Resp: 262766

Ion Ratio Lower Upper

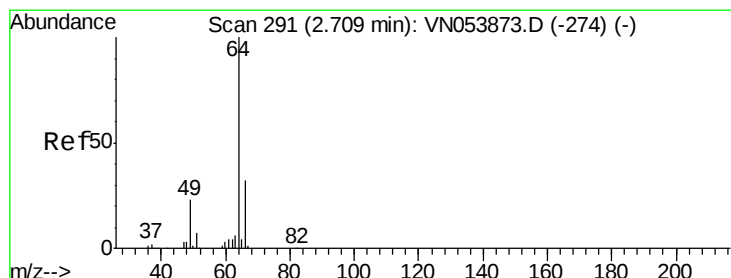
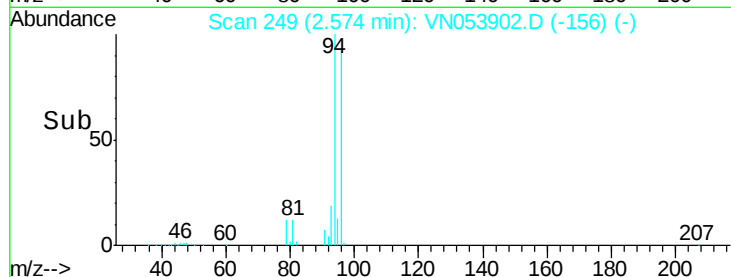
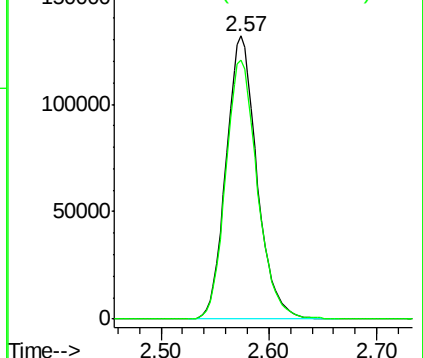
94 100

96 91.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.044 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053902.D

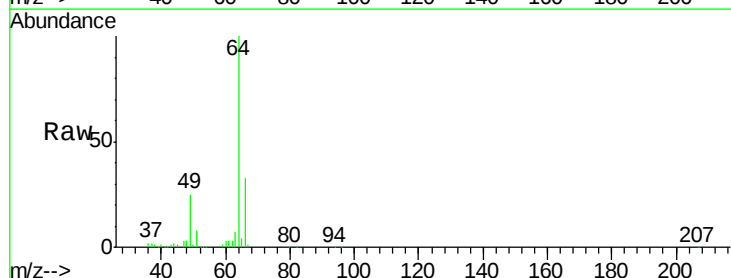
Acq: 21 Feb 2019 19:38

Tgt Ion: 64 Resp: 234660

Ion Ratio Lower Upper

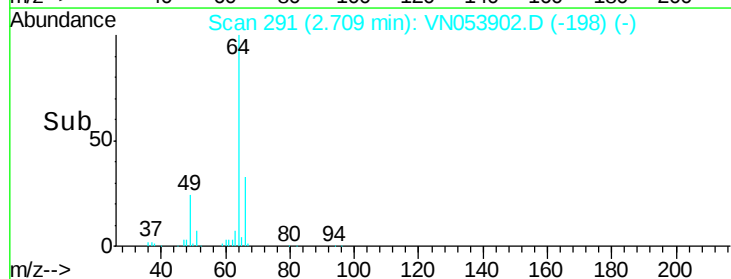
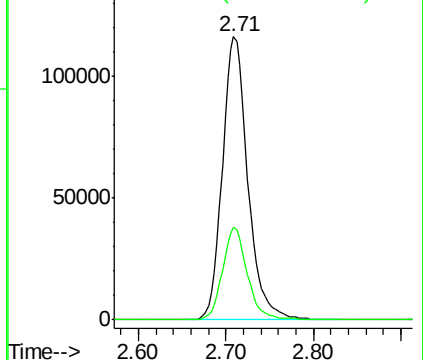
64 100

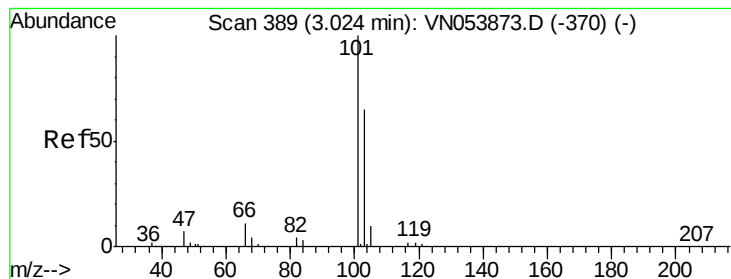
66 32.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



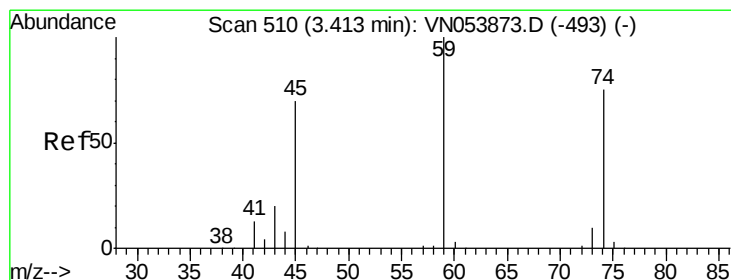
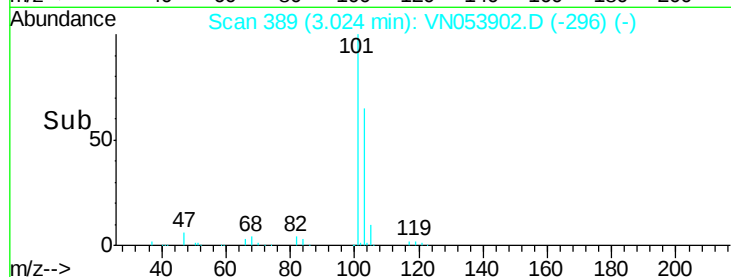
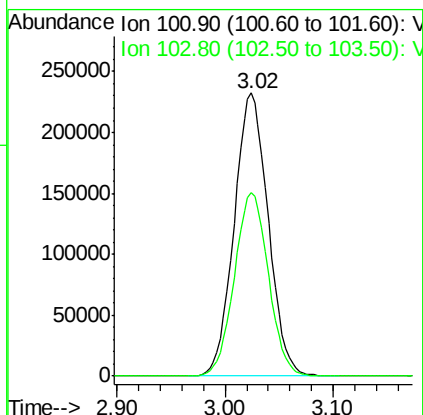
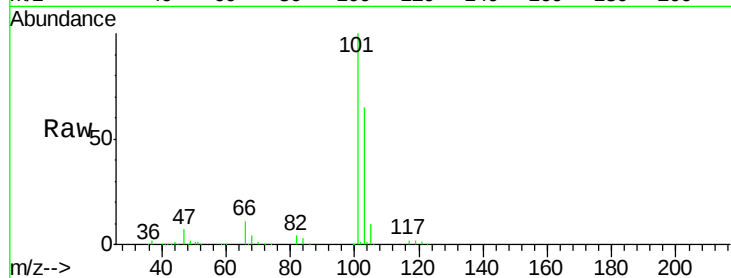


#7

Trichlorofluoromethane
Concen: 48.550 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
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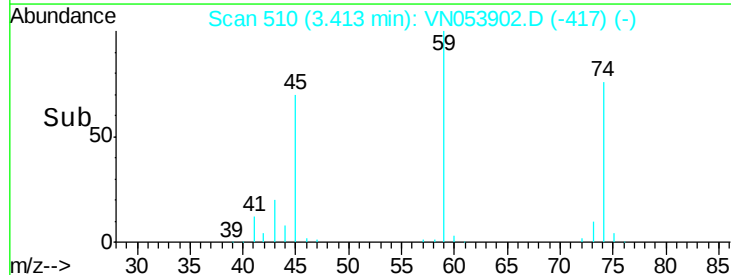
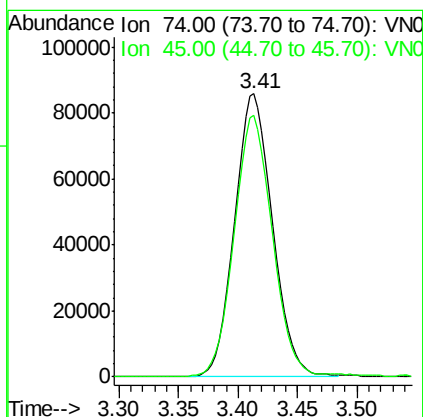
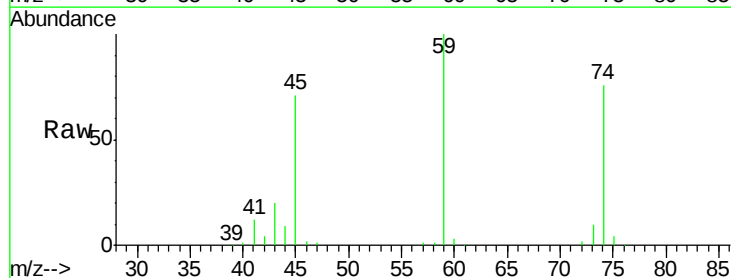
Tot Ion:101 Resp: 510392
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9

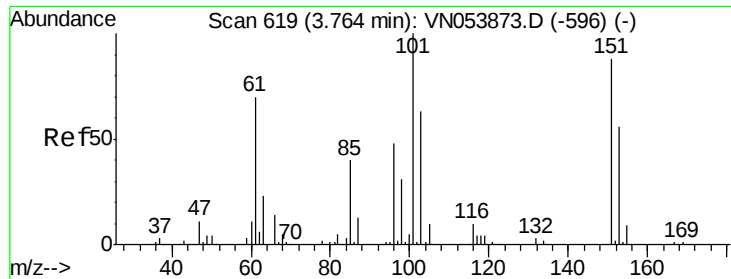


#8

Diethyl Ether
Concen: 51.378 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 74 Resp: 189870
Ion Ratio Lower Upper
74 100
45 93.8 46.9 140.6

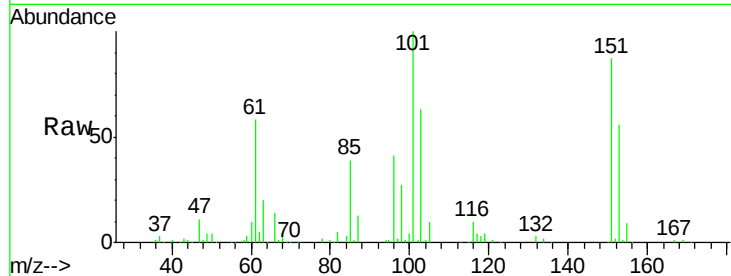




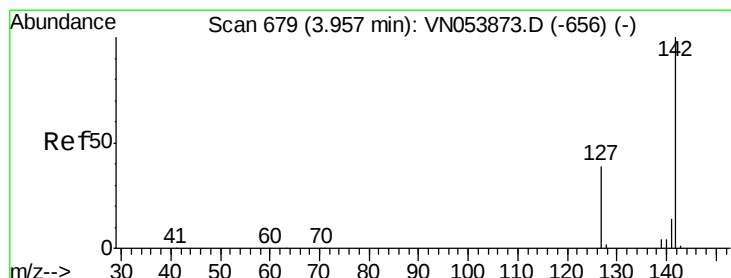
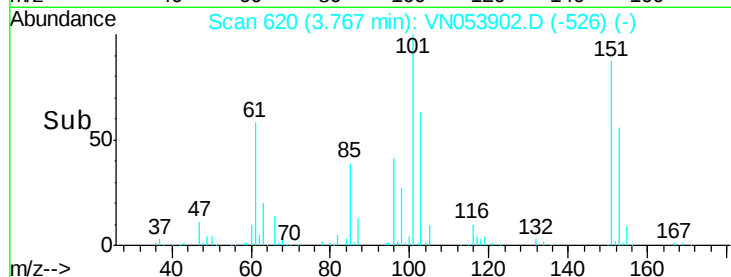
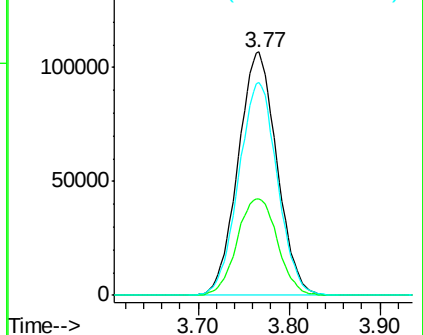
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.001 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 316791
 Ion Ratio Lower Upper
 101 100
 85 41.2 32.5 48.7
 151 87.4 70.2 105.2

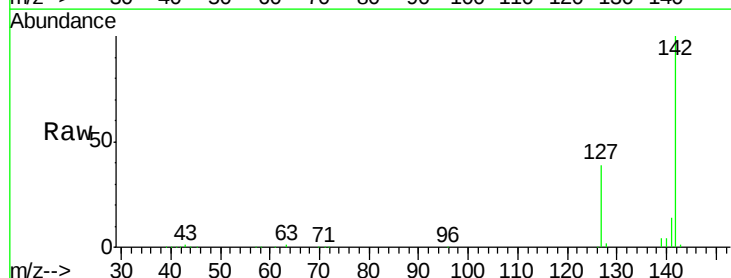


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

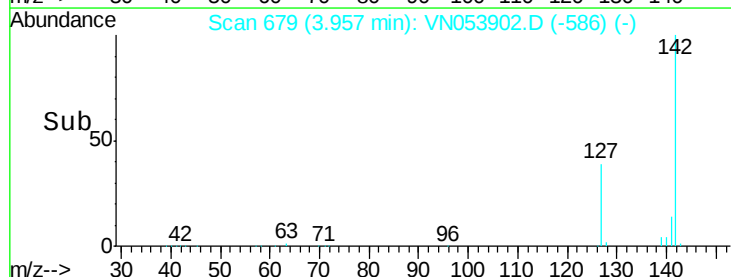
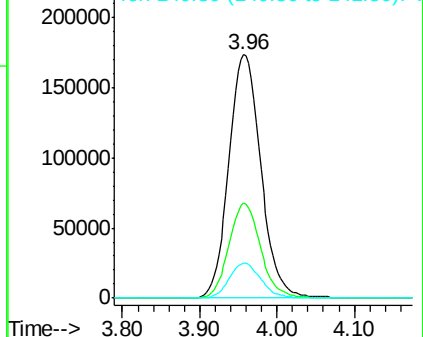


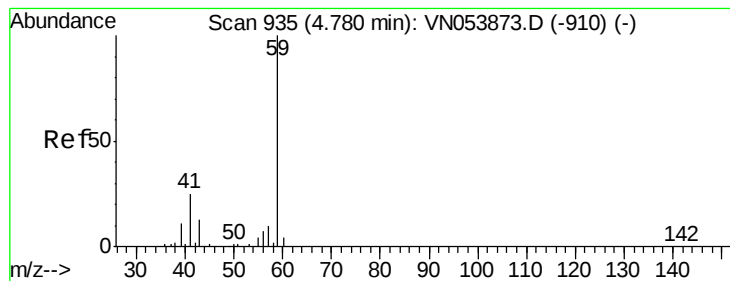
#10
 Methyl Iodide
 Concen: 53.126 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion:142 Resp: 499138
 Ion Ratio Lower Upper
 142 100
 127 38.5 31.0 46.4
 141 14.2 11.3 16.9



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



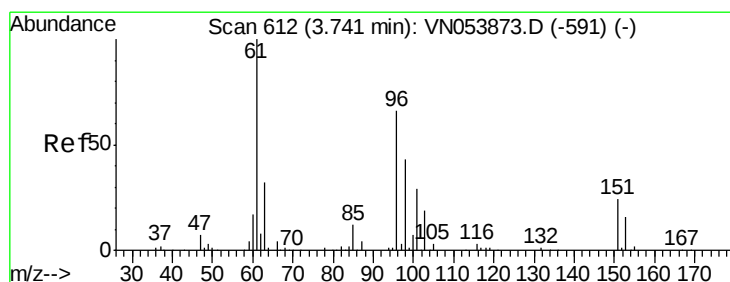
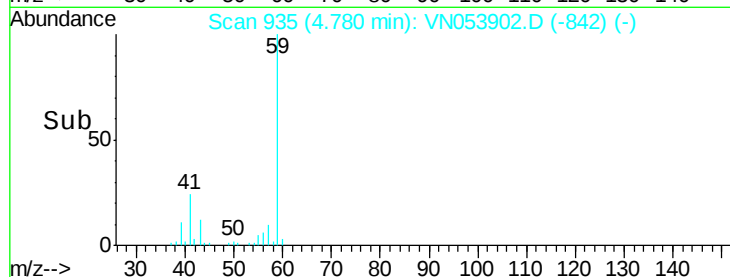
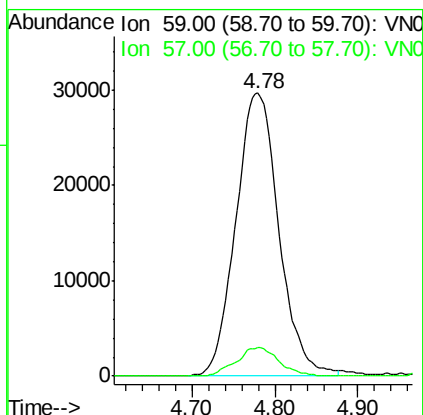
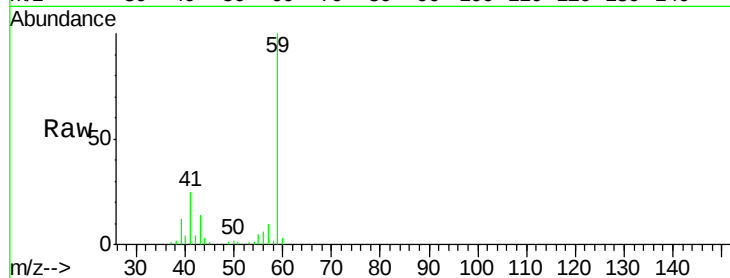


#11

Tert butyl alcohol
 Concen: 263.143 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

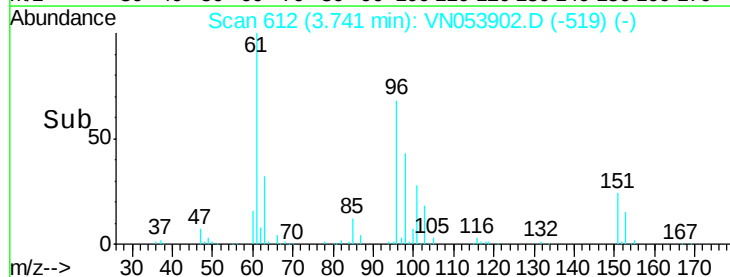
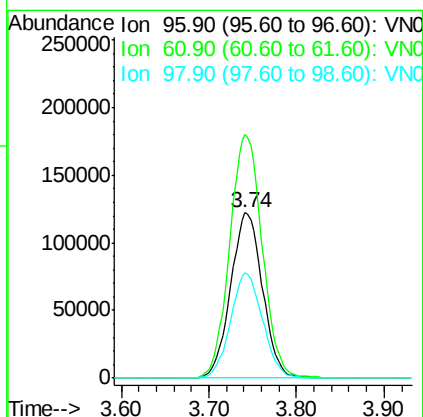
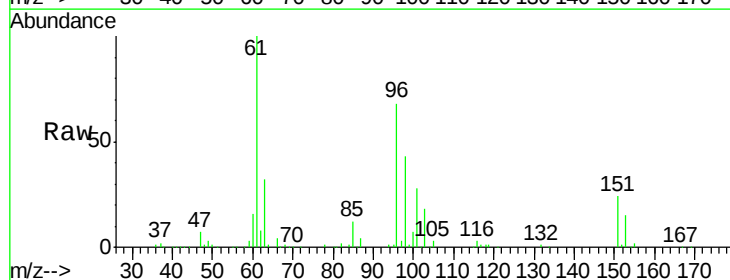
Tot Ion: 59 Resp: 107195
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.1 12.1

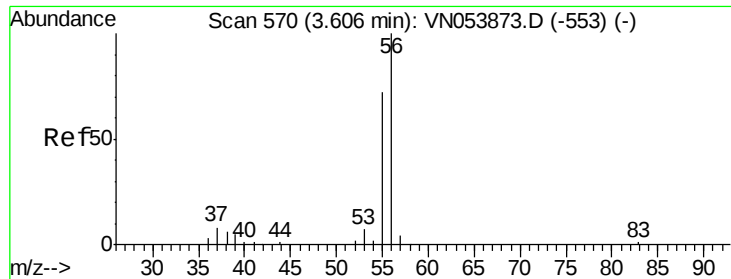


#12

1,1-Dichloroethene
 Concen: 52.220 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion: 96 Resp: 309426
 Ion Ratio Lower Upper
 96 100
 61 147.4 121.0 181.4
 98 63.4 52.2 78.2





#13

Acrolein

Concen: 373.850 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

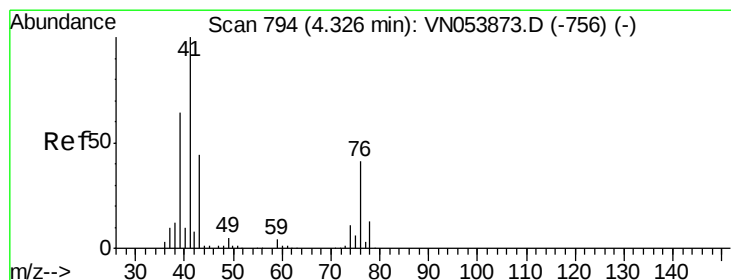
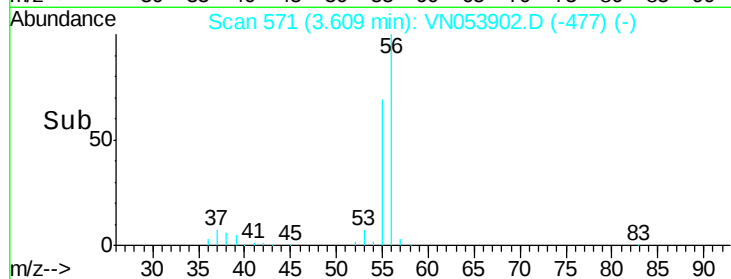
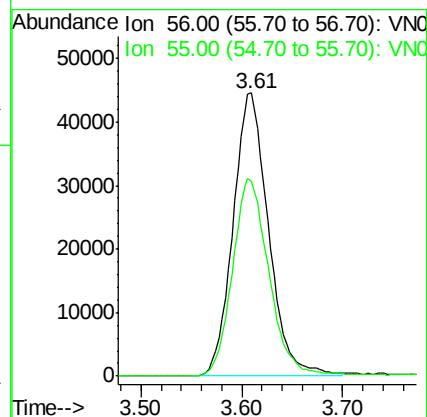
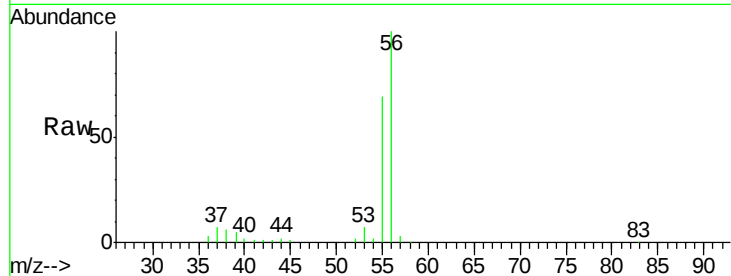
VSTDCCC050EC

Tot Ion: 56 Resp: 108851

Ion Ratio Lower Upper

56 100

55 71.2 56.3 84.5



#14

Allyl chloride

Concen: 53.794 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

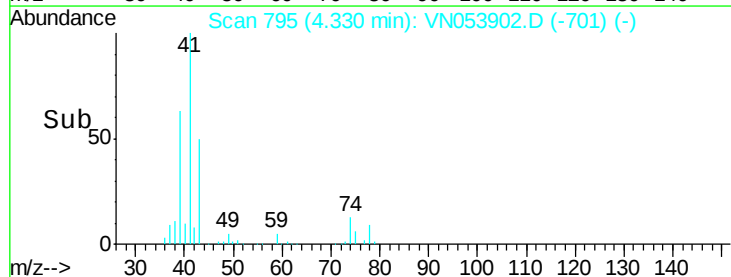
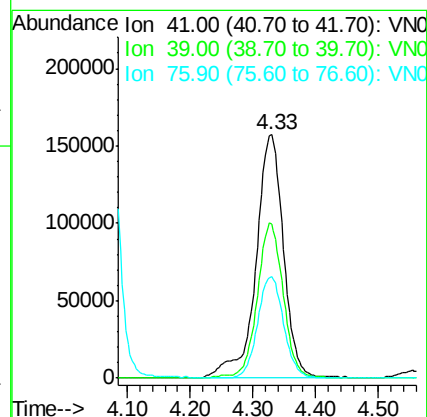
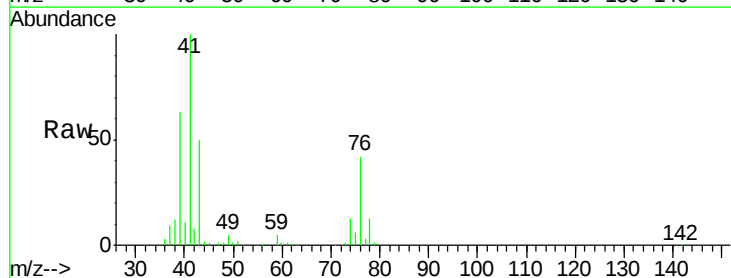
Tgt Ion: 41 Resp: 482416

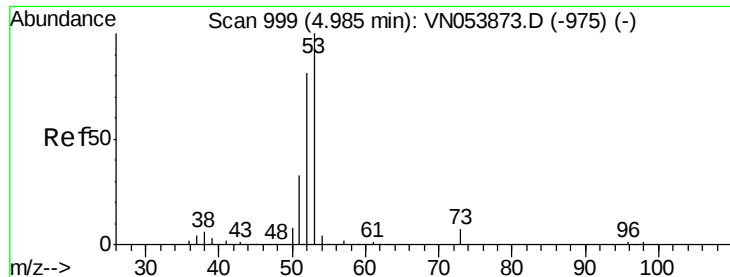
Ion Ratio Lower Upper

41 100

39 59.9 48.8 73.2

76 38.5 30.9 46.3





#15

Acrylonitrile

Concen: 279.324 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

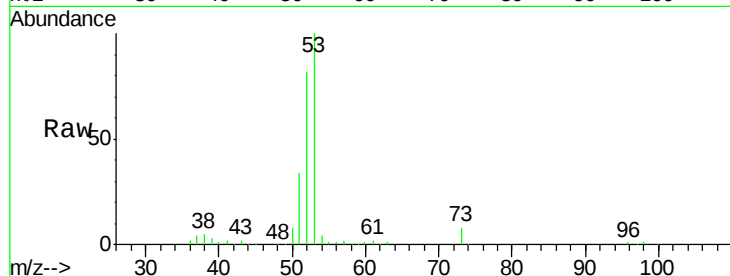
Tot Ion: 53 Resp: 573224

Ion Ratio Lower Upper

53 100

52 81.5 65.1 97.7

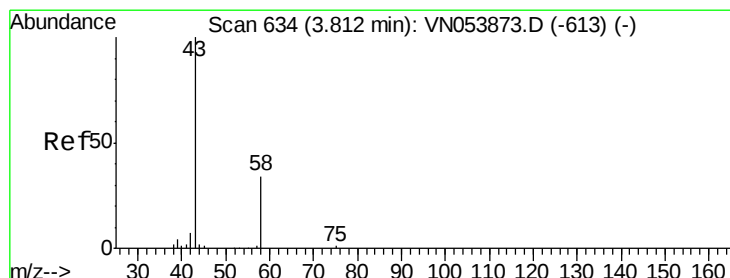
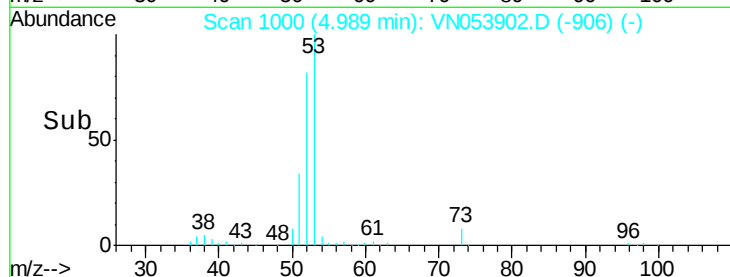
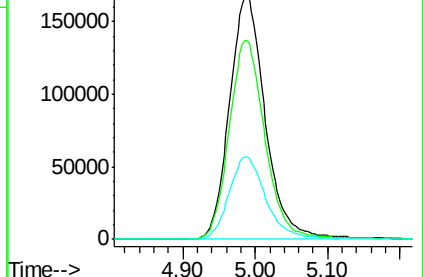
51 35.2 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN053873.D (-975) (-)

Ion 52.00 (51.70 to 52.70): VN053873.D (-975) (-)

Ion 51.00 (50.70 to 51.70): VN053873.D (-975) (-)



#16

Acetone

Concen: 217.462 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053902.D

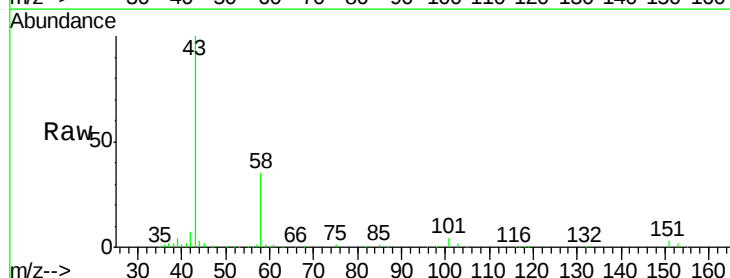
Acq: 21 Feb 2019 19:38

Tgt Ion: 43 Resp: 390269

Ion Ratio Lower Upper

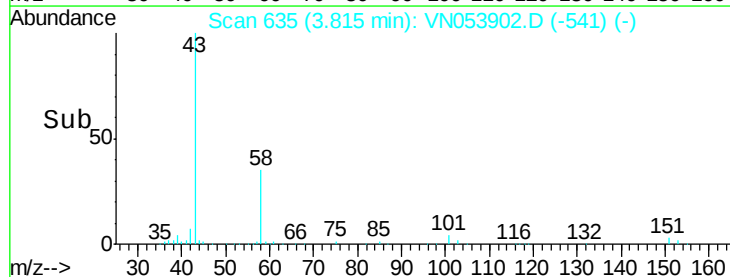
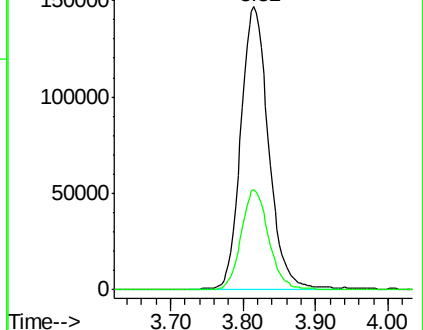
43 100

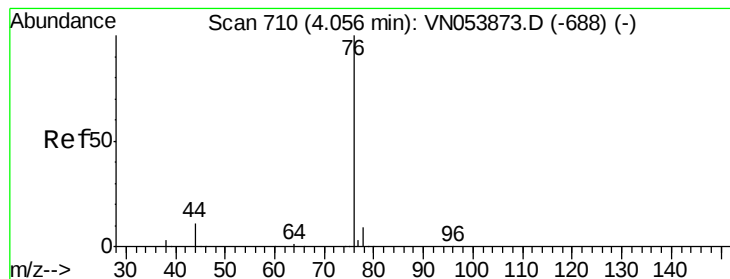
58 35.4 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN053873.D (-613) (-)

Ion 58.00 (57.70 to 58.70): VN053873.D (-613) (-)





#17

Carbon Disulfide

Concen: 50.215 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

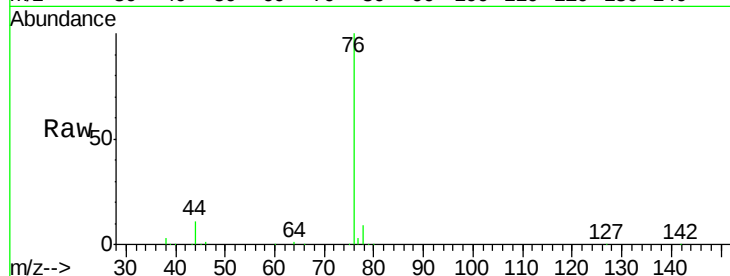
VSTDCCC050EC

Tot Ion: 76 Resp: 921569

Ion Ratio Lower Upper

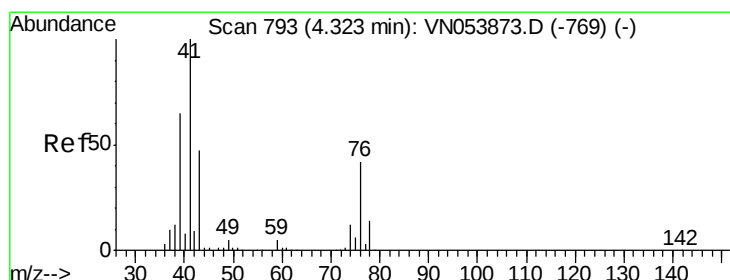
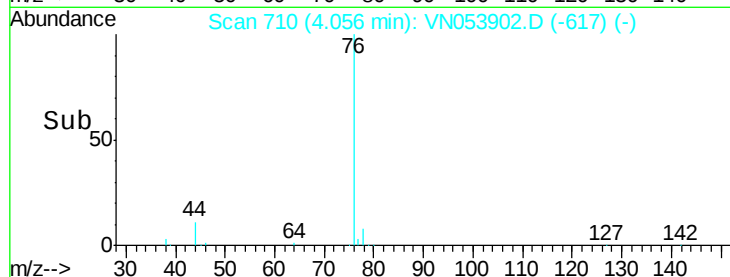
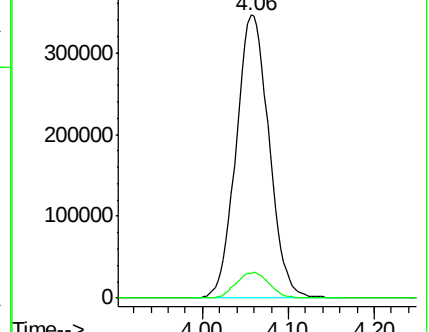
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN053873.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN053873.D (-688) (-)



#18

Methyl Acetate

Concen: 53.833 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053902.D

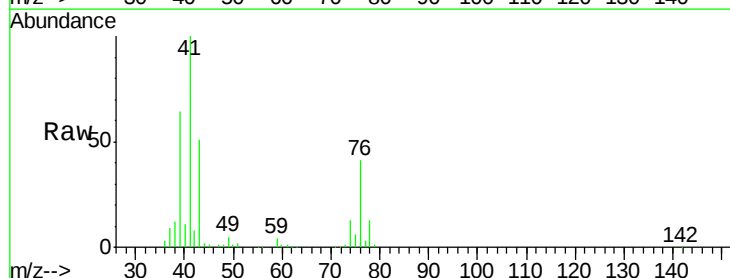
Acq: 21 Feb 2019 19:38

Tgt Ion: 43 Resp: 228015

Ion Ratio Lower Upper

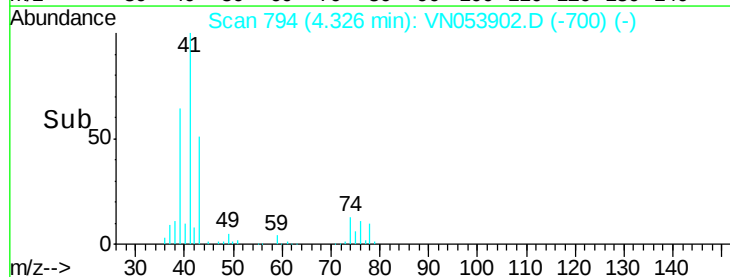
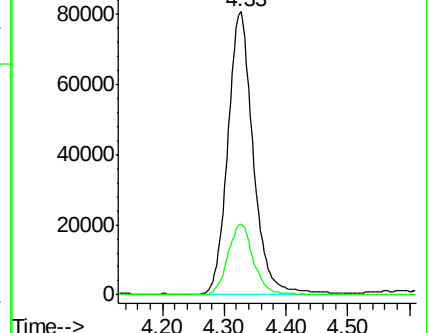
43 100

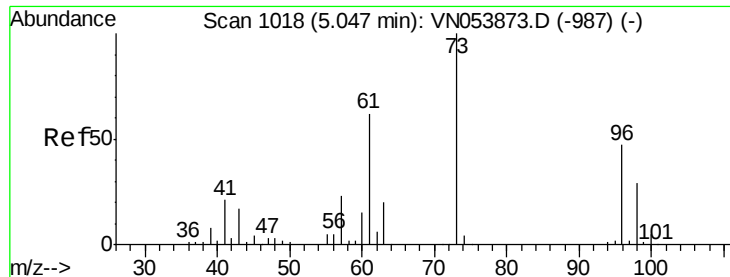
74 25.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN053873.D (-769) (-)

Ion 74.00 (73.70 to 74.70): VN053873.D (-769) (-)

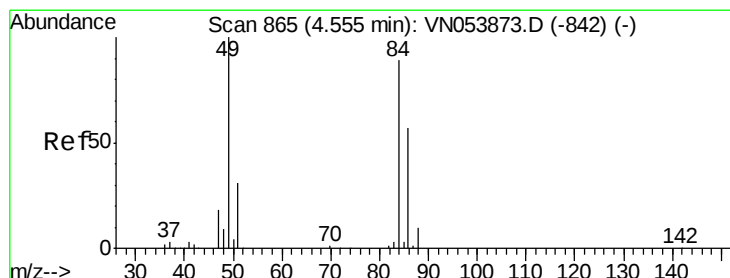
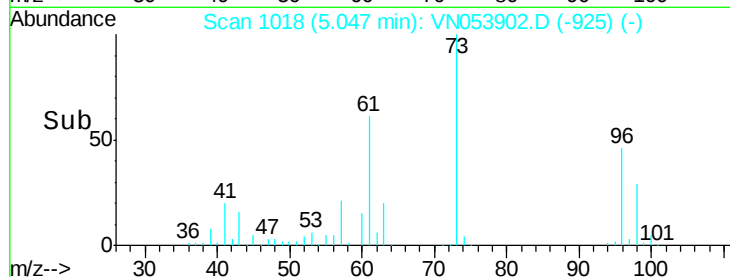
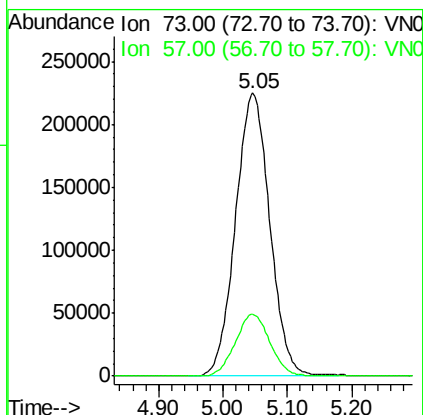
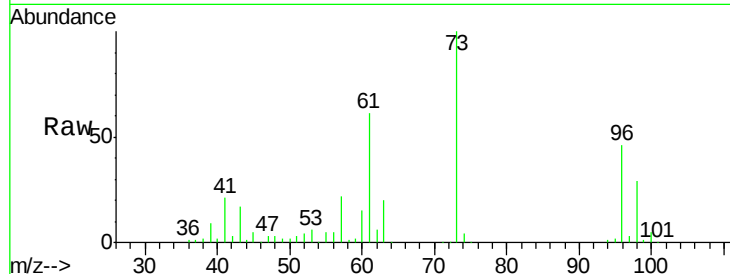




#19
Methvl tert-butvl Ether
Concen: 55.352 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

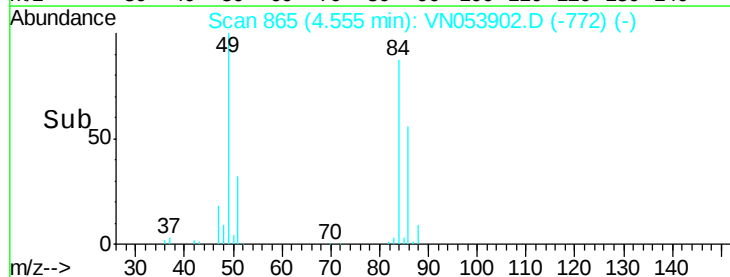
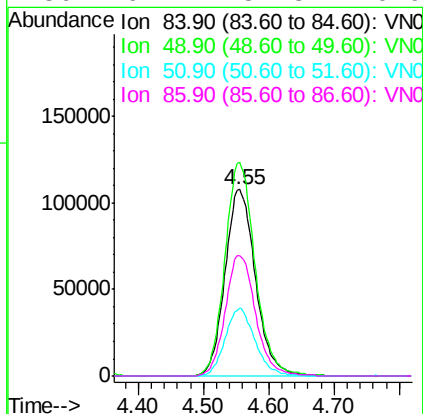
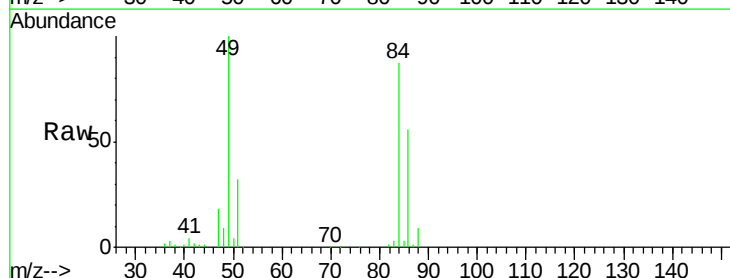
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

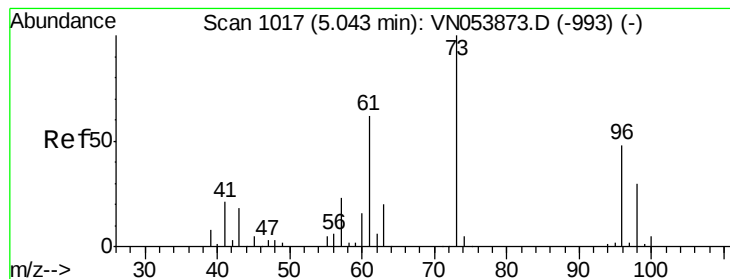
Tot Ion: 73 Resp: 832139
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 51.929 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 84 Resp: 348907
Ion Ratio Lower Upper
84 100
49 114.6 89.7 134.5
51 36.5 27.8 41.8
86 64.7 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 52.578 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

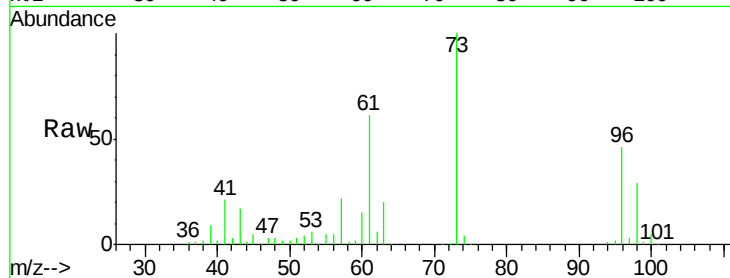
Tot Ion: 96 Resp: 326990

Ion Ratio Lower Upper

96 100

61 134.2 104.5 156.7

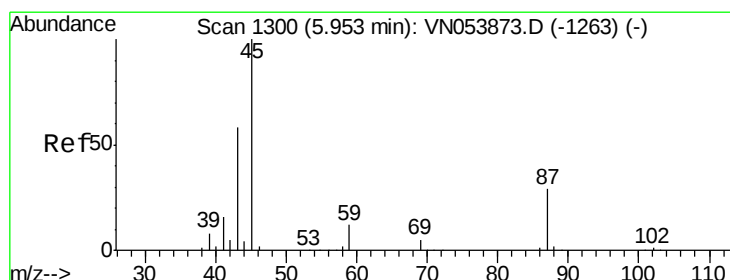
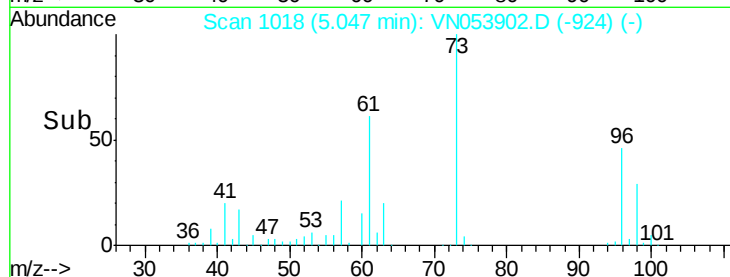
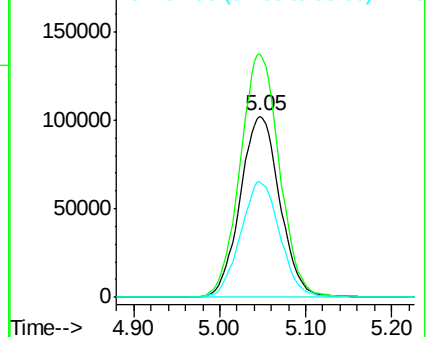
98 63.8 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 56.126 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Tgt Ion: 45 Resp: 938260

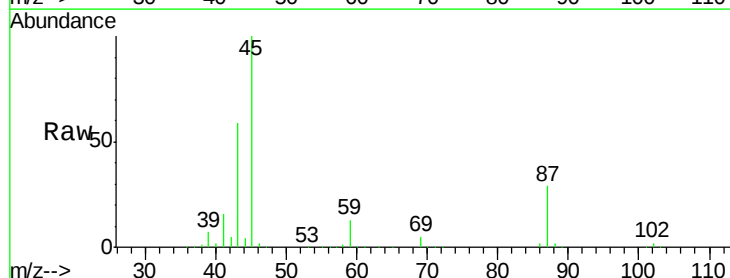
Ion Ratio Lower Upper

45 100

43 58.5 46.2 69.4

87 28.6 23.4 35.0

59 12.4 9.4 14.0

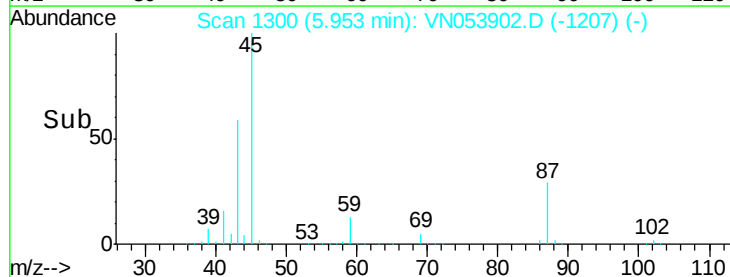
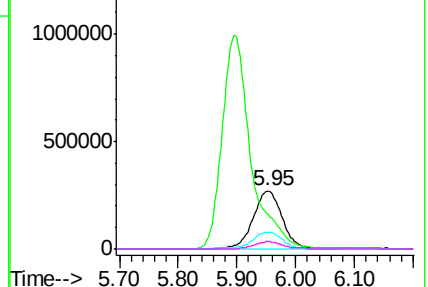


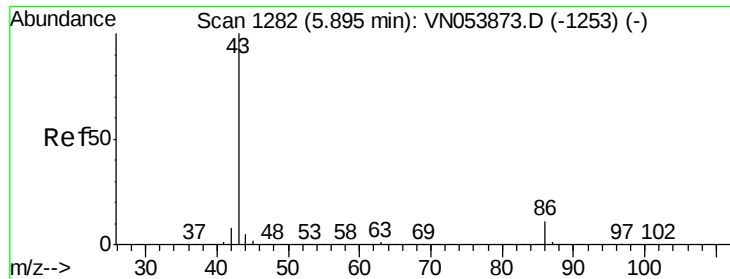
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 282.173 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

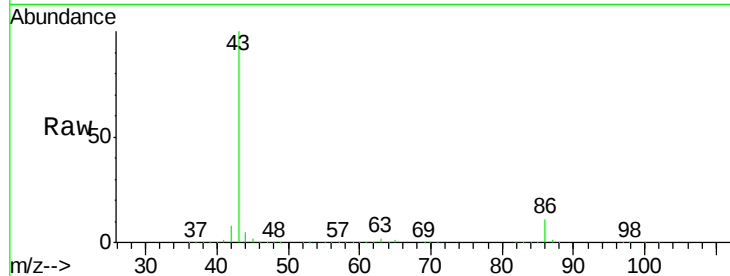
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 3391117

Ion Ratio Lower Upper

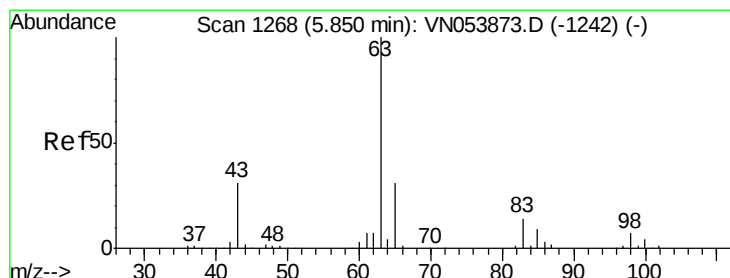
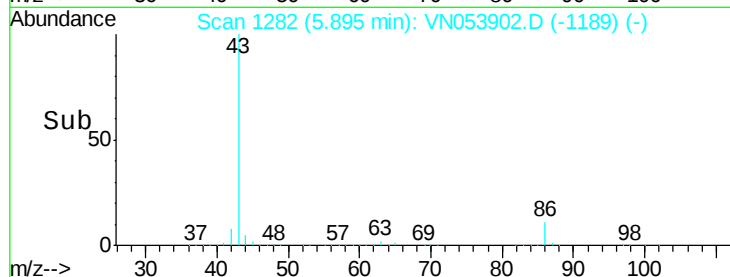
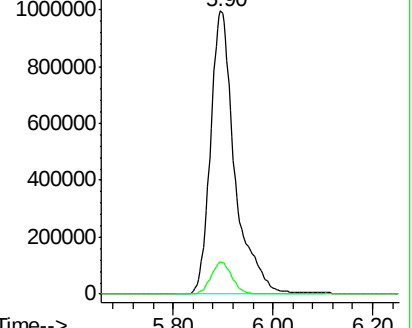
43 100

86 11.3 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN053873.D (-1253) (-)

Ion 86.00 (85.70 to 86.70): VN053873.D (-1253) (-)



#24

1,1-Dichloroethane

Concen: 51.863 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

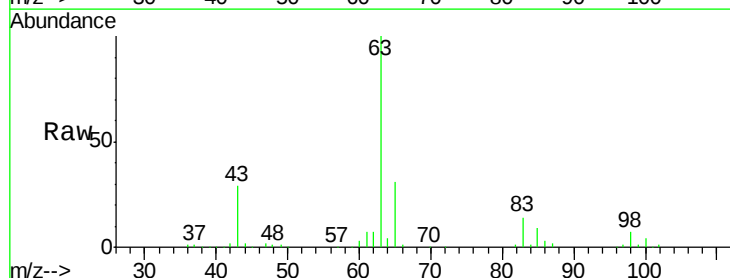
Tgt Ion: 63 Resp: 586997

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

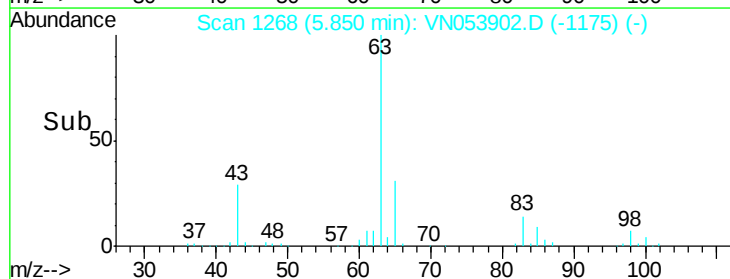
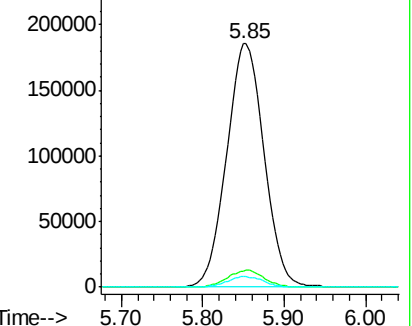
100 4.3 2.2 6.6

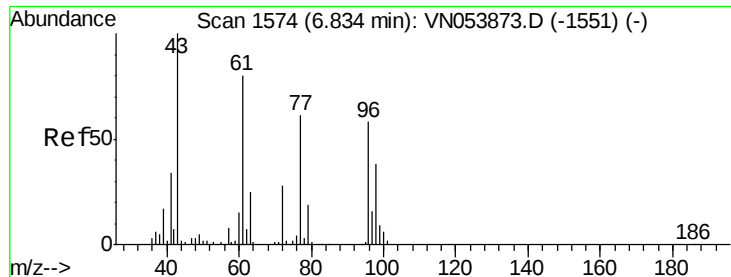


Abundance Ion 62.90 (62.60 to 63.60): VN053873.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN053873.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN053873.D (-1242) (-)





#25

2-Butanone

Concen: 246.442 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

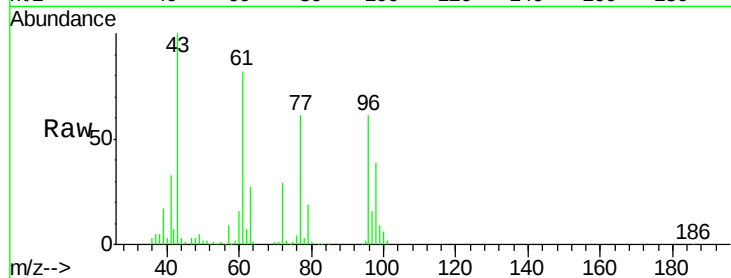
VSTDCCC050EC

Tot Ion: 43 Resp: 570706

Ion Ratio Lower Upper

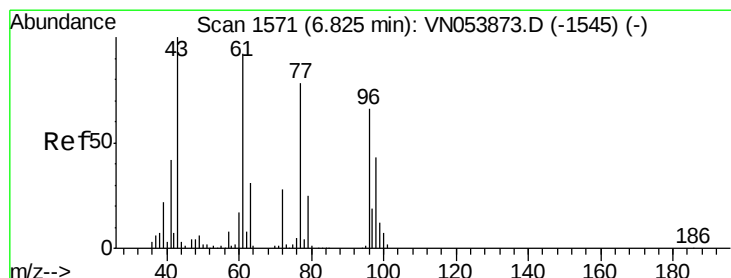
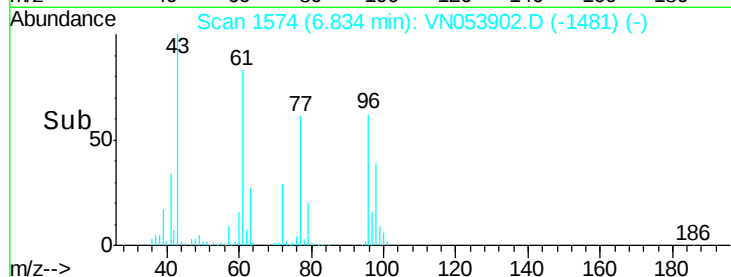
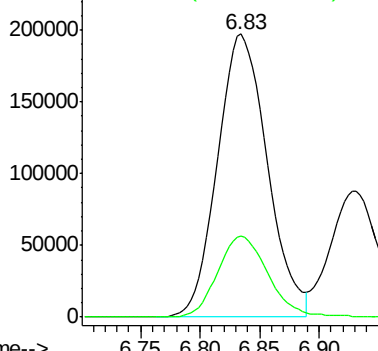
43 100

72 28.9 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 46.766 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053902.D

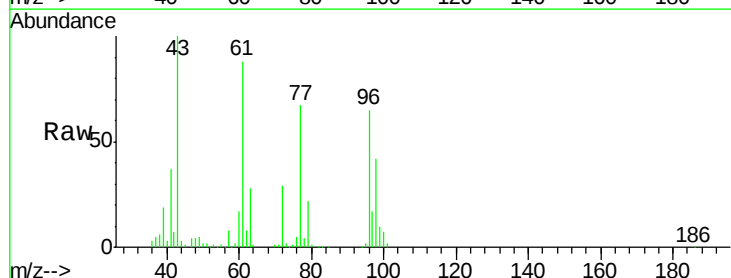
Acq: 21 Feb 2019 19:38

Tgt Ion: 77 Resp: 401663

Ion Ratio Lower Upper

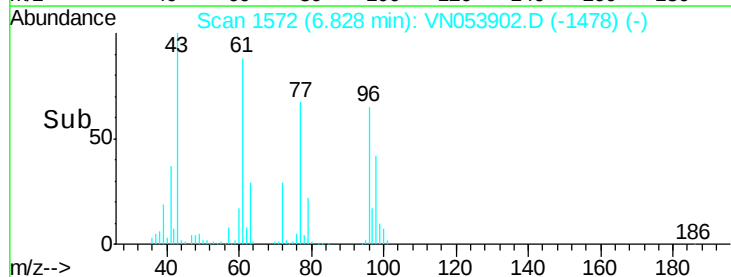
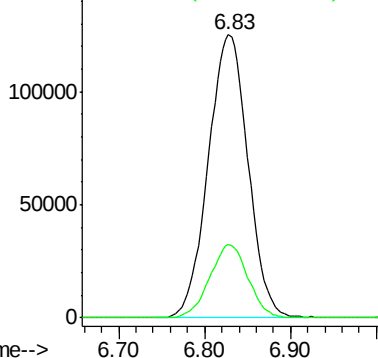
77 100

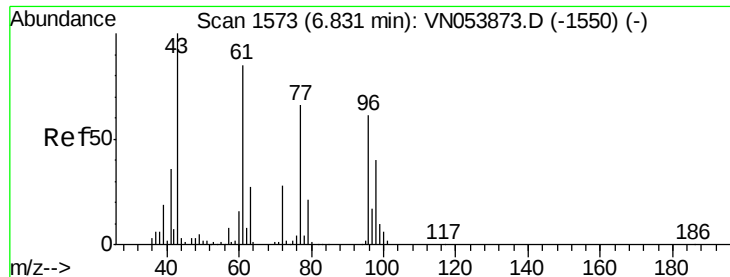
97 25.0 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.953 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

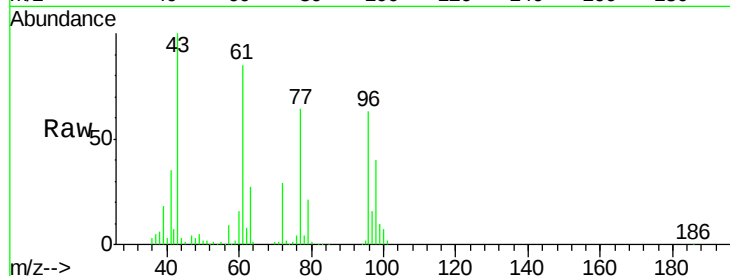
Tot Ion: 96 Resp: 354978

Ion Ratio Lower Upper

96 100

61 135.7 0.0 275.6

98 65.1 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN053902.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053902.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053902.D (-1480) (-)

6.83

200000

150000

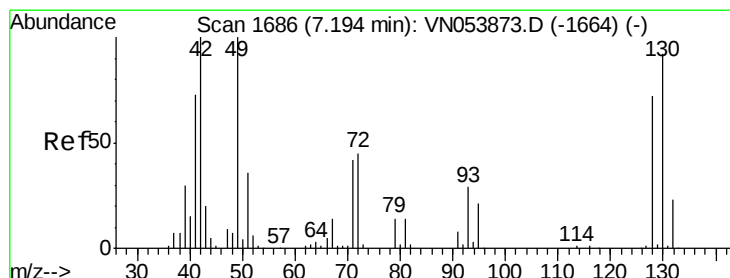
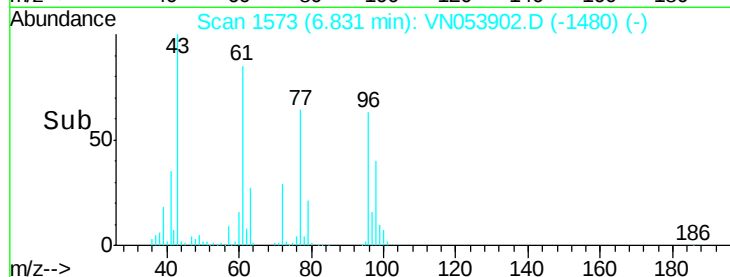
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#28

Bromochloromethane

Concen: 48.887 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

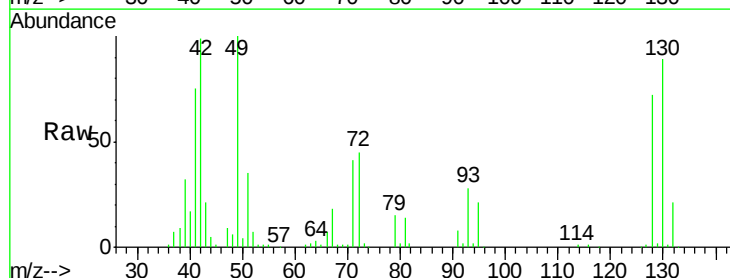
Tgt Ion: 49 Resp: 241492

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.6

130 90.5 72.9 109.3



Abundance Ion 48.90 (48.60 to 49.60): VN053902.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053902.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053902.D (-1593) (-)

7.19

120000

100000

80000

60000

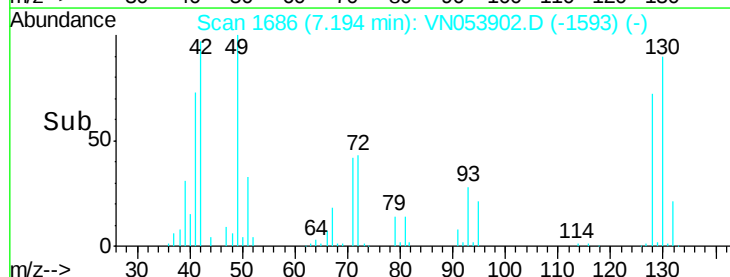
40000

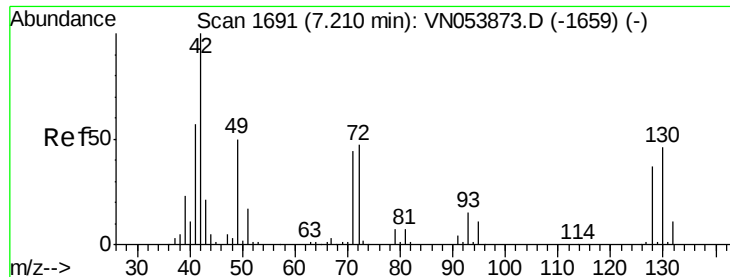
20000

0

7.10 7.20 7.30

Time-->

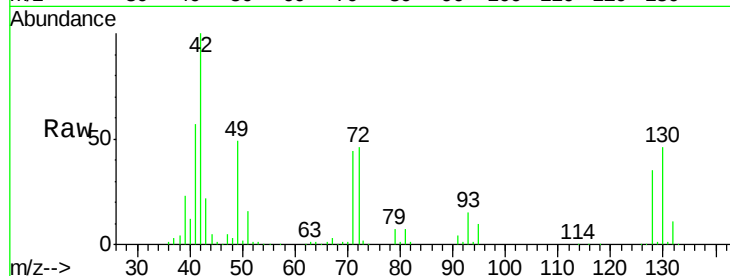




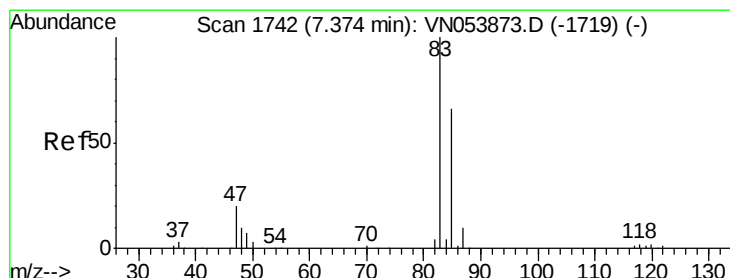
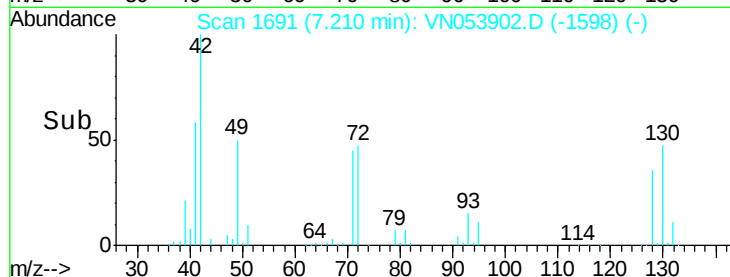
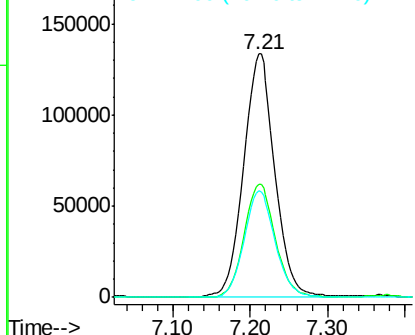
#29
Tetrahydrofuran
Concen: 249.390 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 373504
Ion Ratio Lower Upper
42 100
72 46.8 36.9 55.3
71 43.7 34.6 52.0

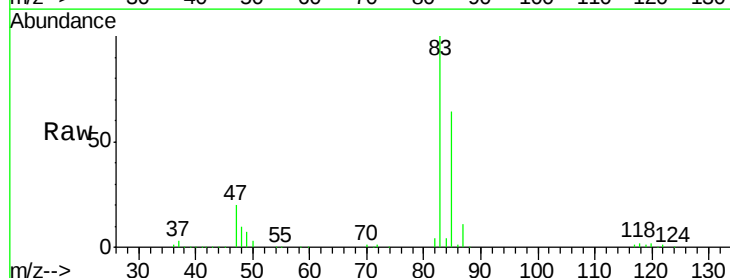


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

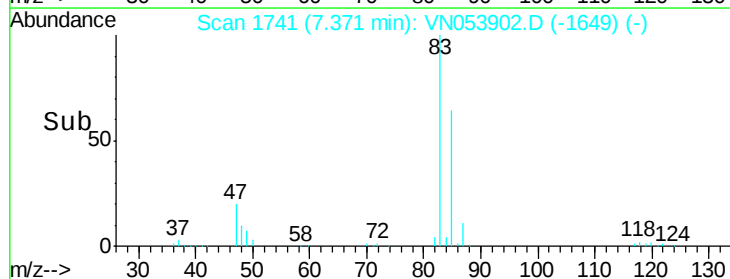
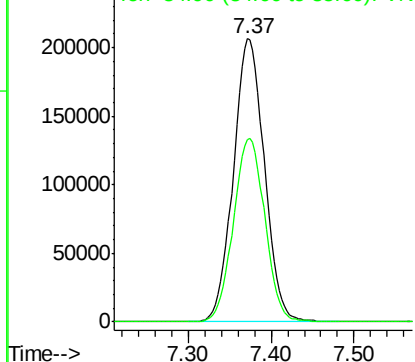


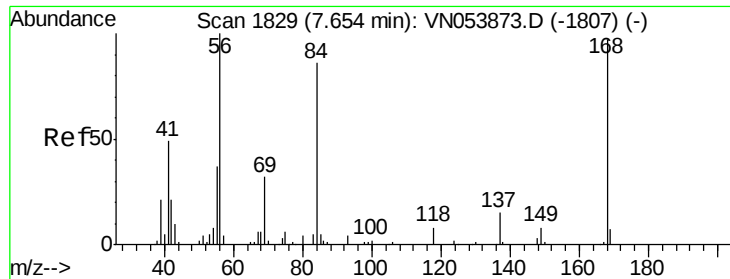
#30
Chloroform
Concen: 47.327 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 83 Resp: 538235
Ion Ratio Lower Upper
83 100
85 64.4 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.654 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

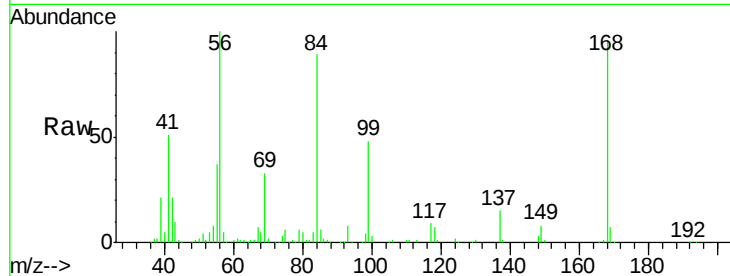
Tot Ion: 56 Resp: 494142

Ion Ratio Lower Upper

56 100

69 33.3 26.0 39.0

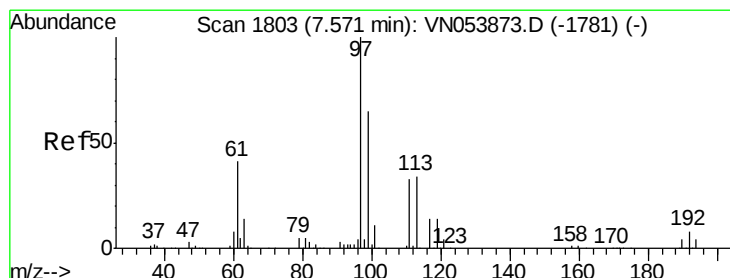
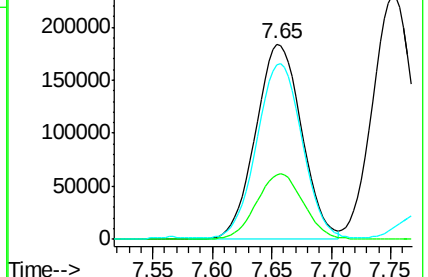
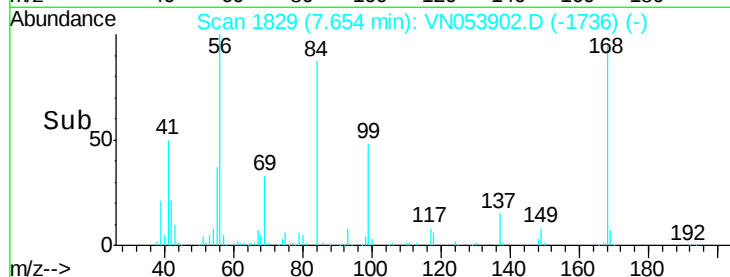
84 88.0 69.1 103.7



Abundance Ion 56.00 (55.70 to 56.70): VN053902.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053902.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053902.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 47.458 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

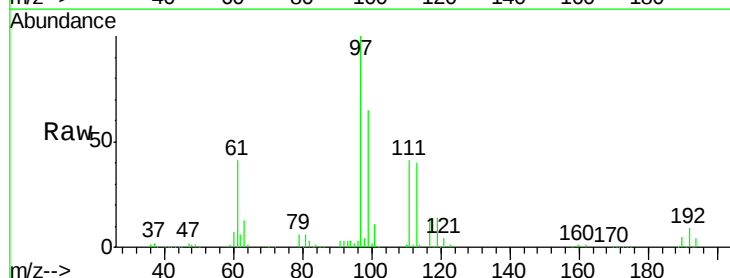
Tgt Ion: 97 Resp: 461791

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.8

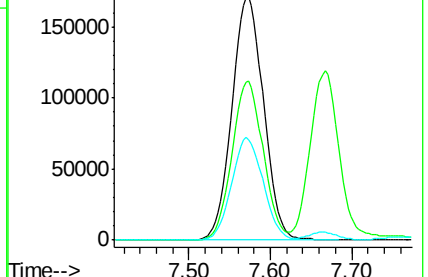
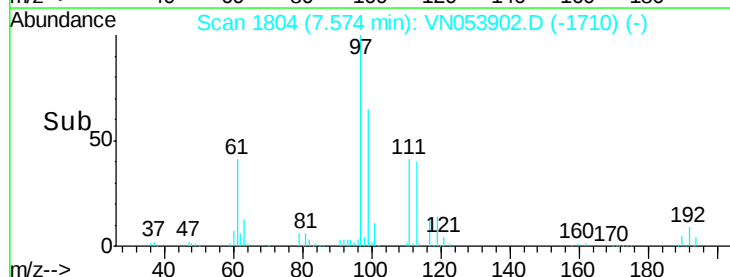
61 41.9 33.2 49.8

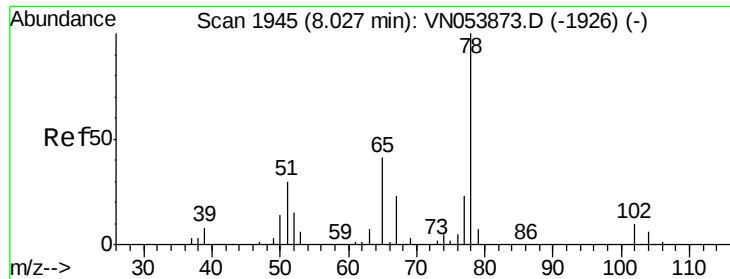


Abundance Ion 96.90 (96.60 to 97.60): VN053902.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053902.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053902.D (-1710) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.361 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

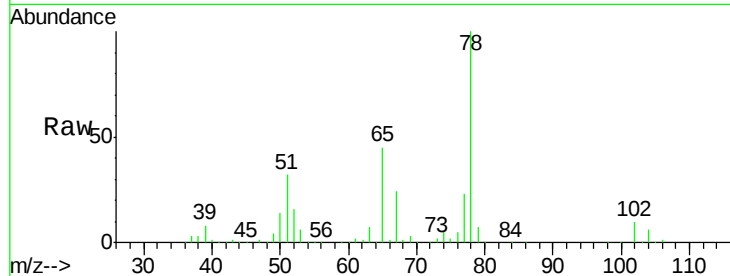
VSTDCCC050EC

Tot Ion: 65 Resp: 315582

Ion Ratio Lower Upper

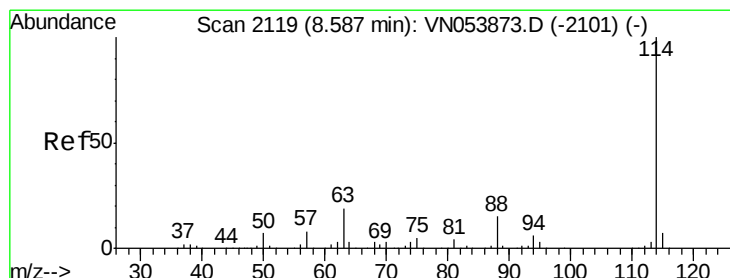
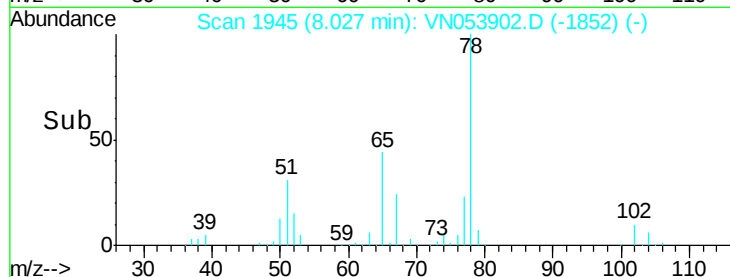
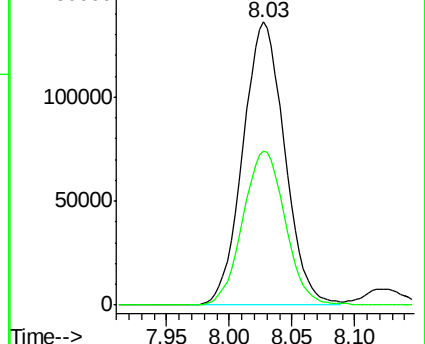
65 100

67 55.4 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053902.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053902.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

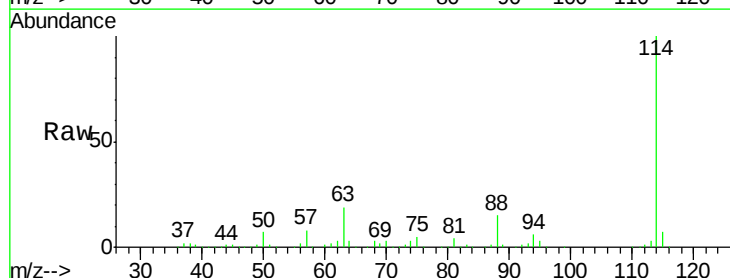
Tgt Ion: 114 Resp: 954869

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

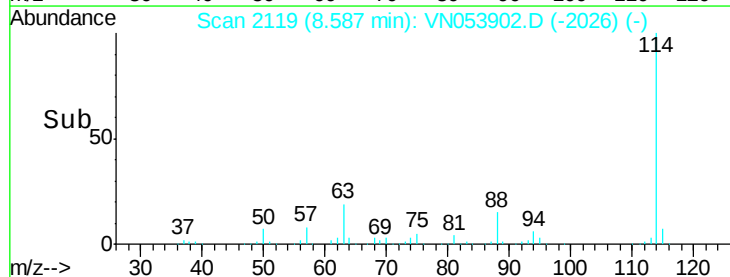
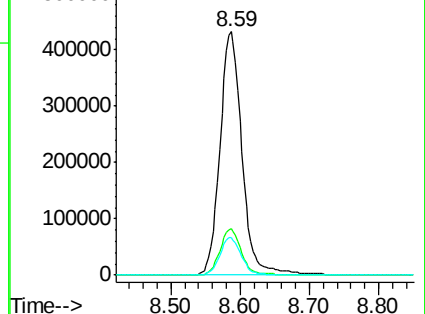
88 15.4 0.0 30.4

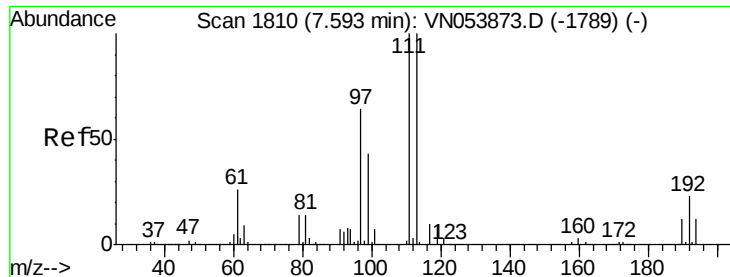


Abundance Ion 113.90 (113.60 to 114.60): VN053902.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053902.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053902.D (-2026) (-)

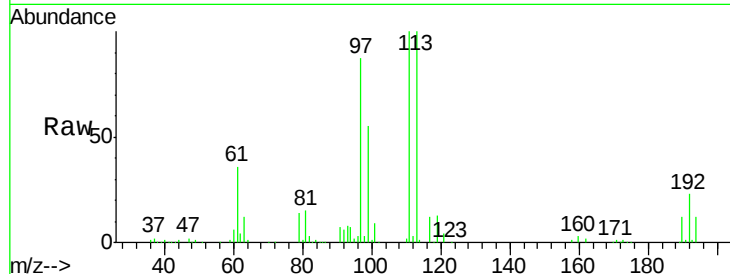




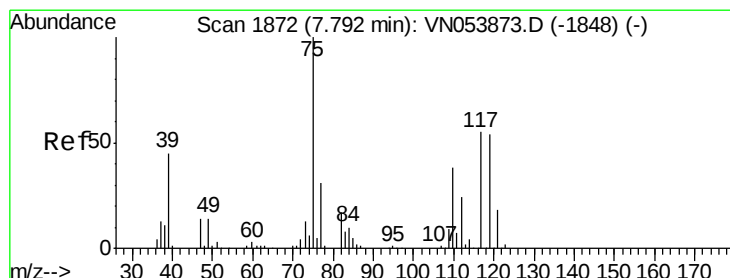
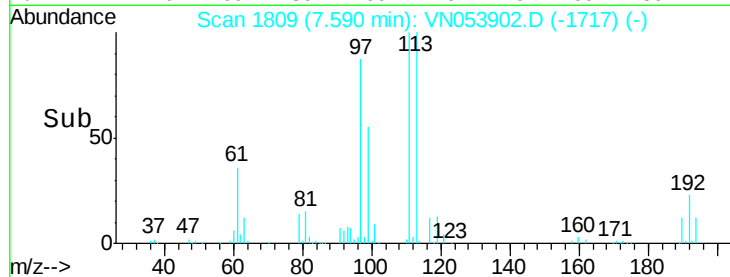
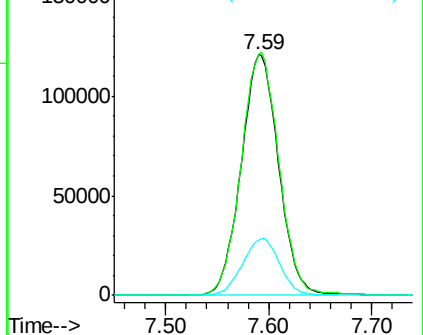
#35
 Dibromofluoromethane
 Concen: 48.536 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	23.6	18.8	28.2

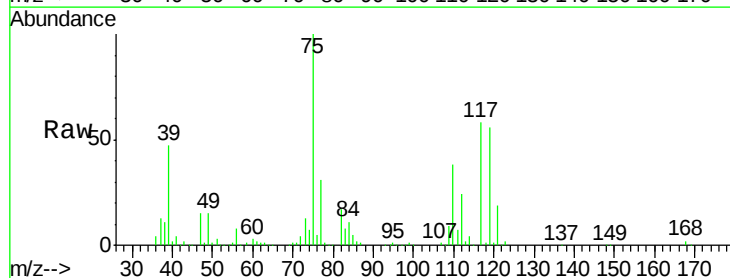


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

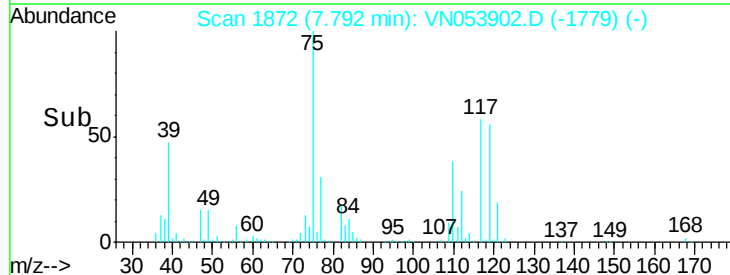
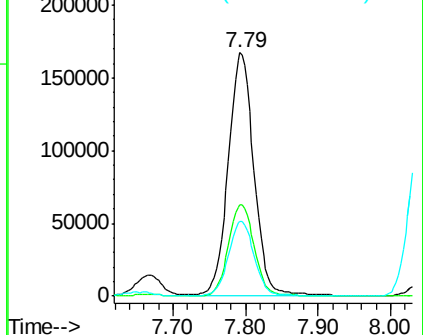


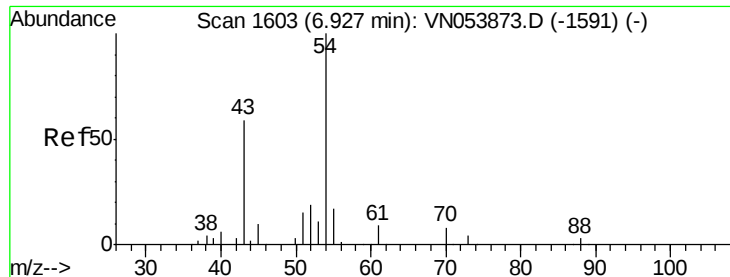
#36
 1,1-Dichloropropene
 Concen: 47.059 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	19.0	57.0
77	31.5	25.4	38.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

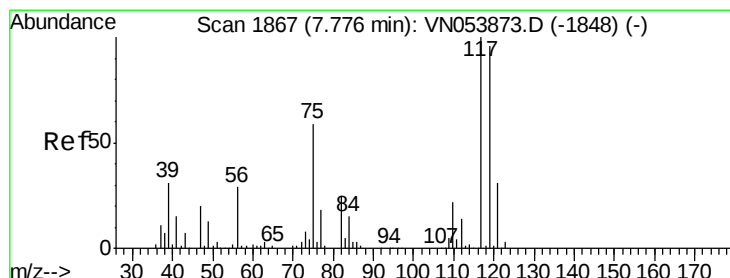
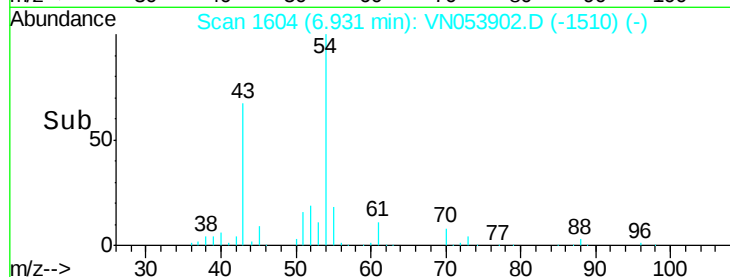
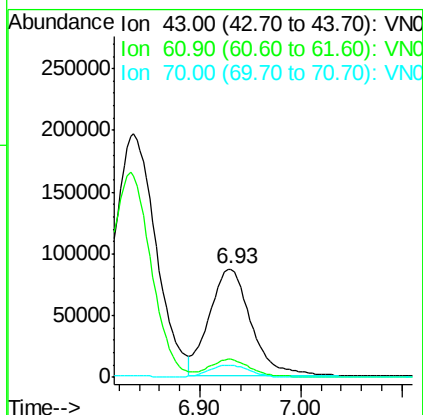
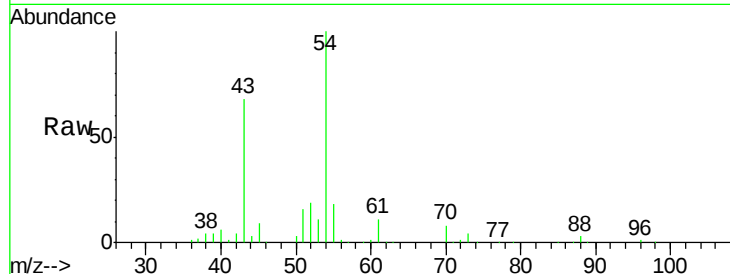




#37
Ethyl Acetate
Concen: 47.632 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

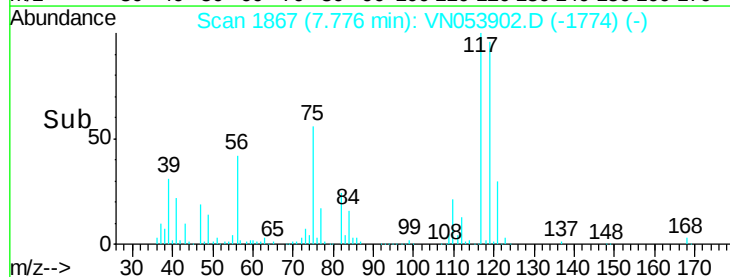
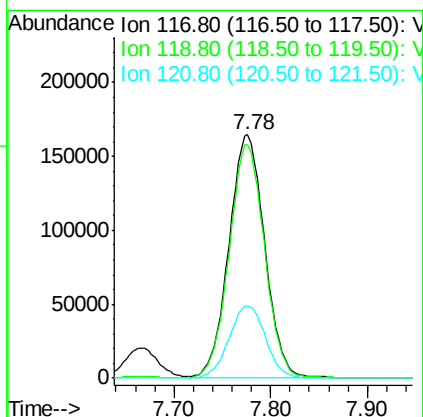
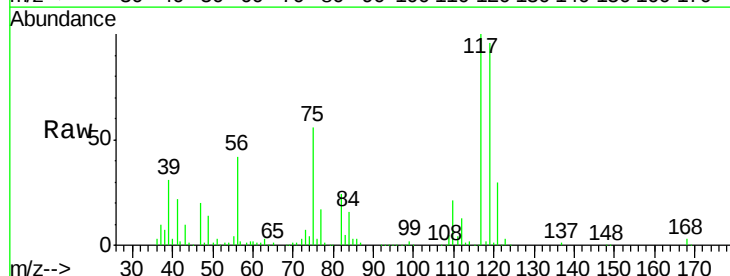
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

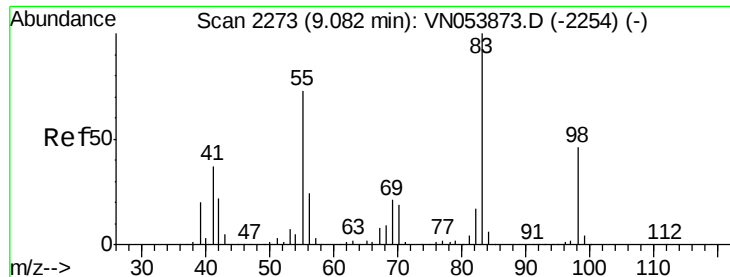
Tot Ion: 43 Resp: 250882
Ion Ratio Lower Upper
43 100
61 15.7 12.0 18.0
70 11.0 8.7 13.1



#38
Carbon Tetrachloride
Concen: 48.034 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 117 Resp: 419716
Ion Ratio Lower Upper
117 100
119 96.0 76.2 114.2
121 29.9 24.6 36.8

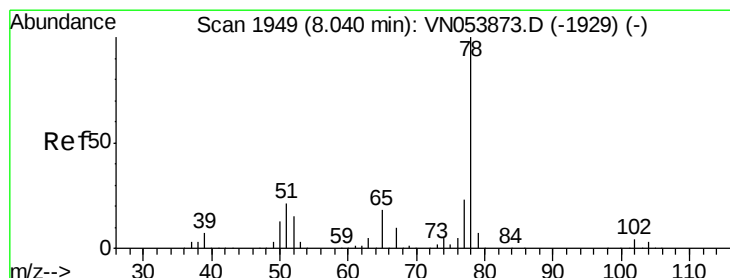
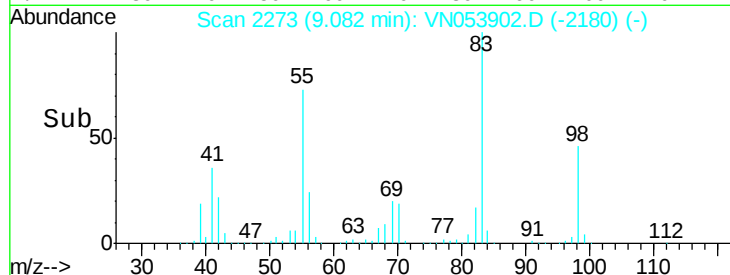
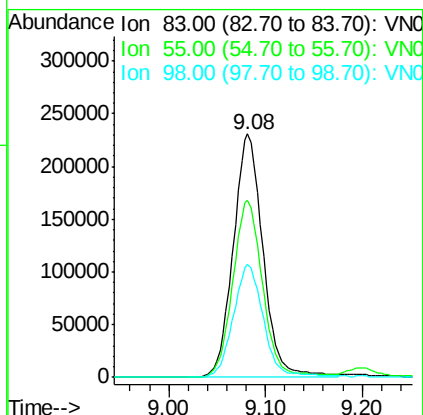
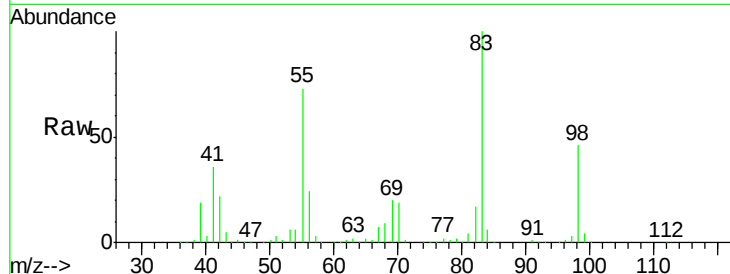




#39
Methvlcvclohexane
Concen: 49.045 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

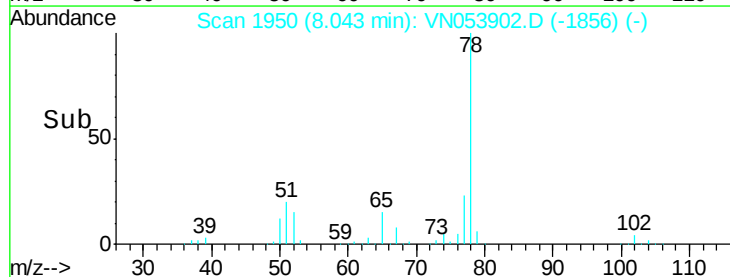
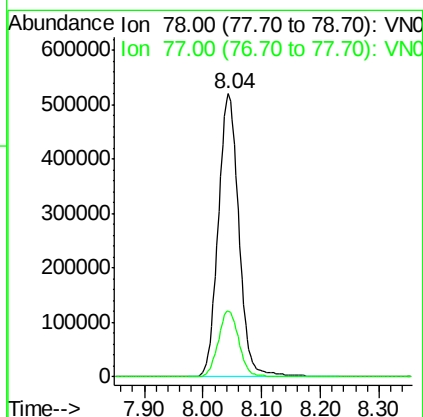
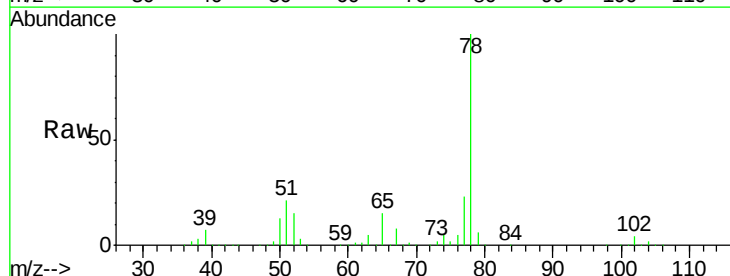
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

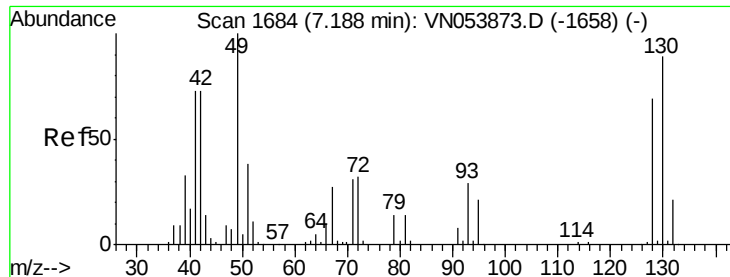
Tot Ion: 83 Resp: 494644
Ion Ratio Lower Upper
83 100
55 72.9 58.2 87.4
98 46.3 37.2 55.8



#40
Benzene
Concen: 48.648 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 78 Resp: 1258760
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

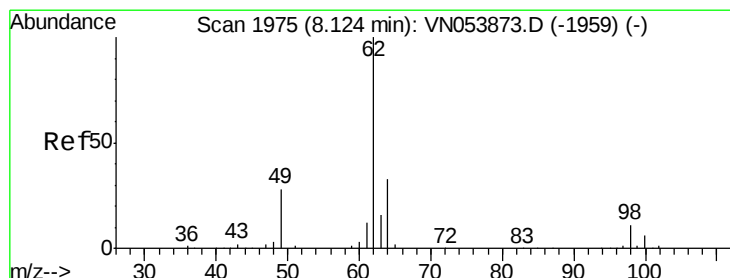
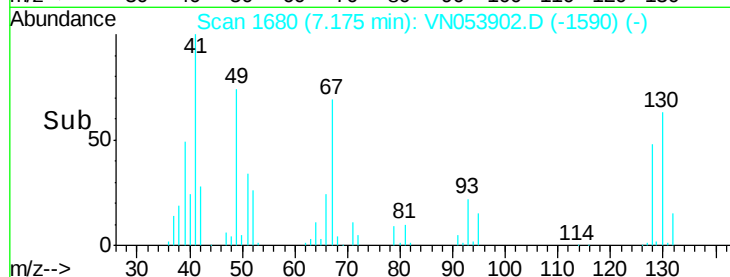
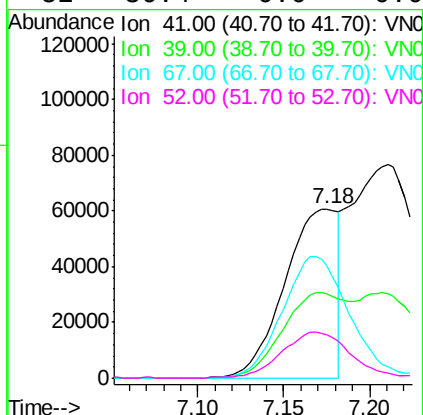
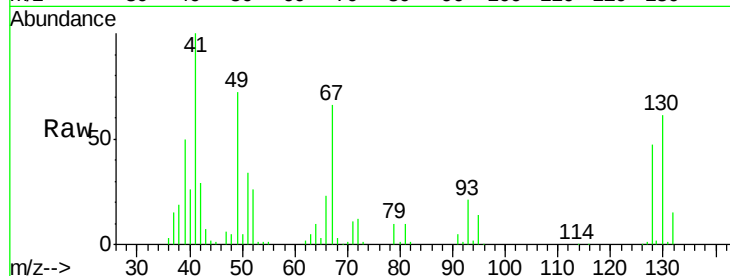




#41
Methacrylonitrile
Concen: 45.333 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

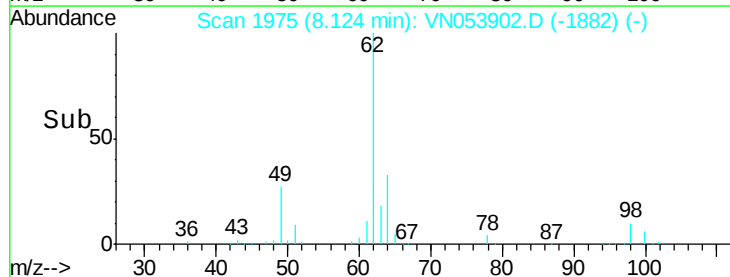
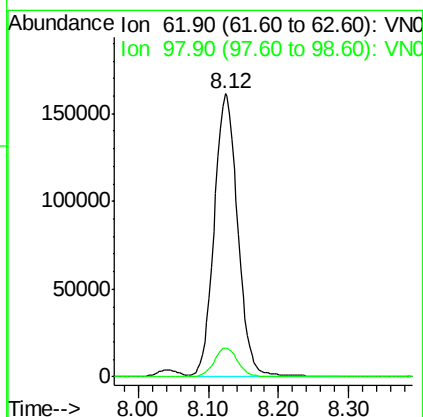
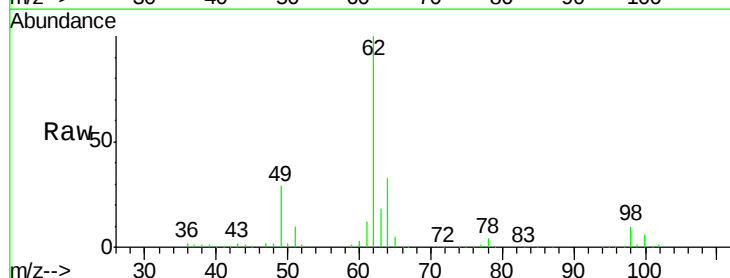
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

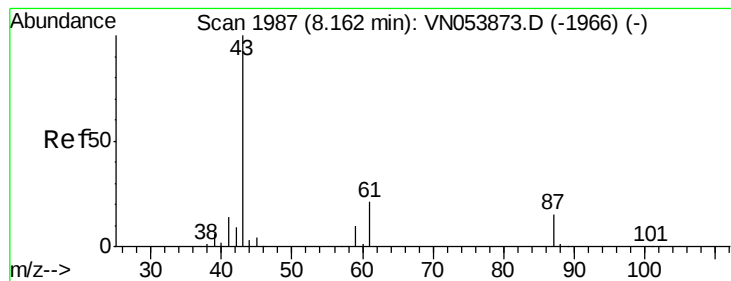
Tot Ion: 41 Resp: 130340
Ion Ratio Lower Upper
41 100
39 64.1 0.0 0.0#
67 92.6 0.0 0.0#
52 36.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 48.523 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 62 Resp: 374290
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.8





#43

Isopropyl Acetate

Concen: 47.879 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

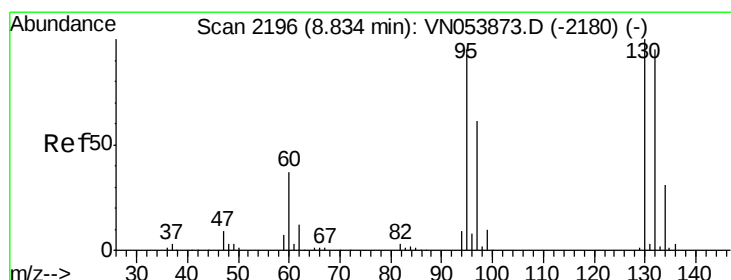
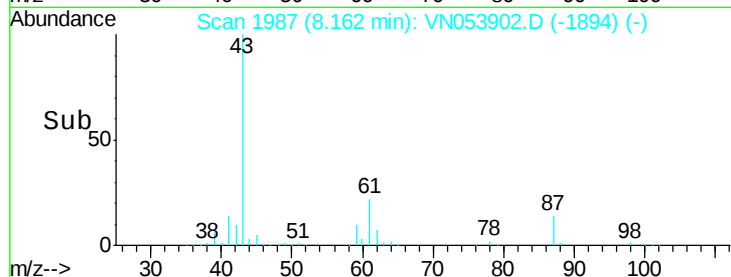
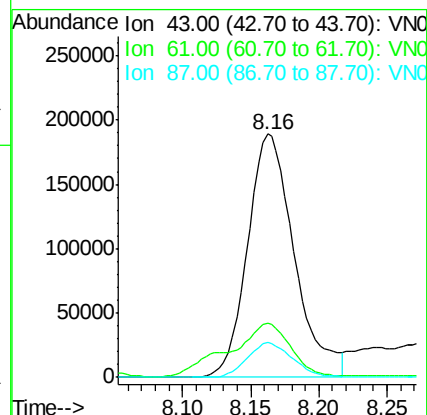
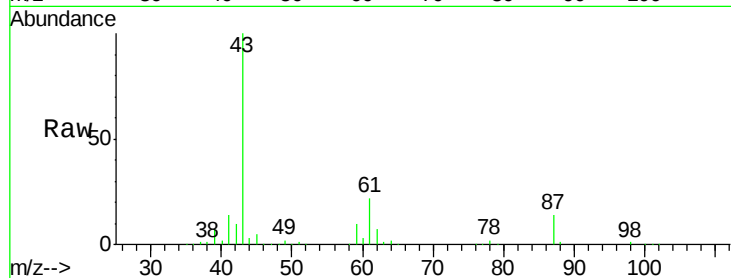
Tot Ion: 43 Resp: 446993

Ion Ratio Lower Upper

43 100

61 29.3 17.4 26.0#

87 13.8 11.5 17.3



#44

Trichloroethene

Concen: 49.543 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053902.D

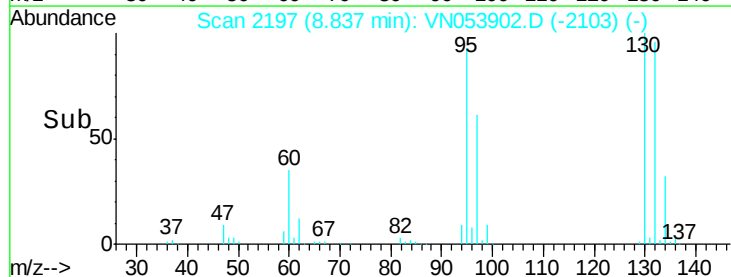
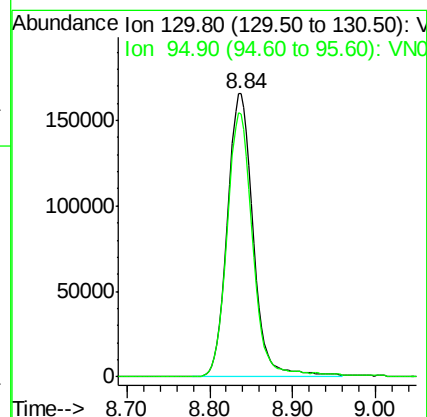
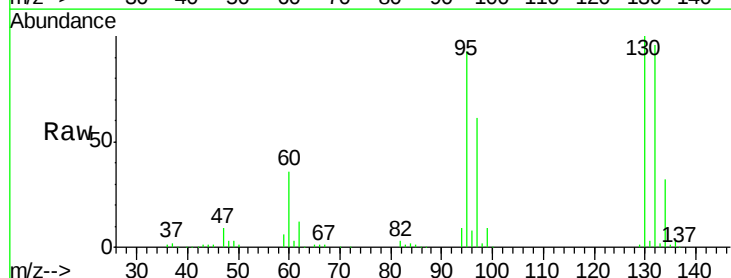
Acq: 21 Feb 2019 19:38

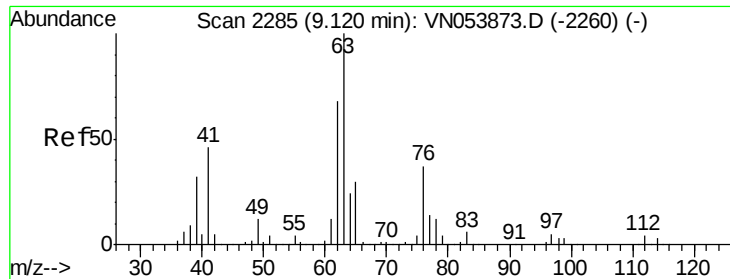
Tgt Ion: 130 Resp: 358859

Ion Ratio Lower Upper

130 100

95 92.9 0.0 190.0





#45

1,2-Dichloropropane

Concen: 49.155 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

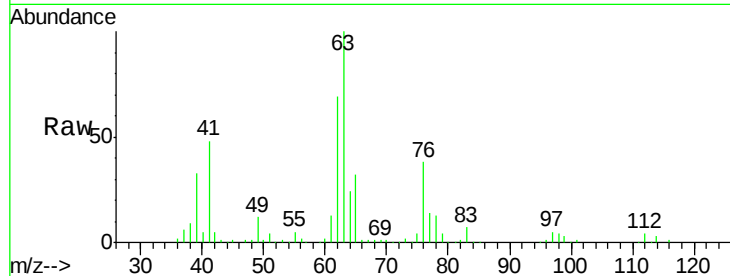
VSTDCCC050EC

Tot Ion: 63 Resp: 324713

Ion Ratio Lower Upper

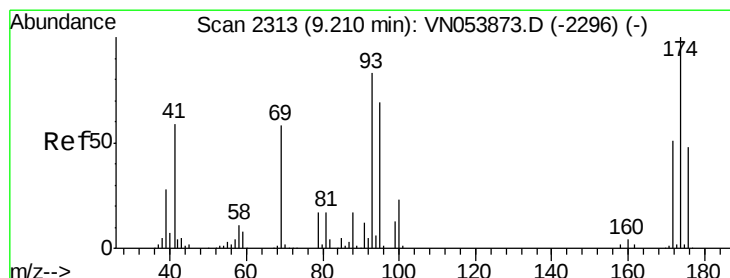
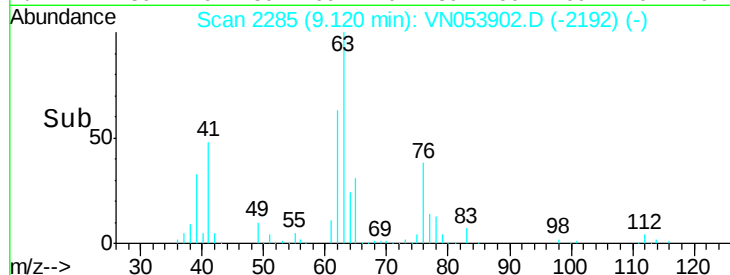
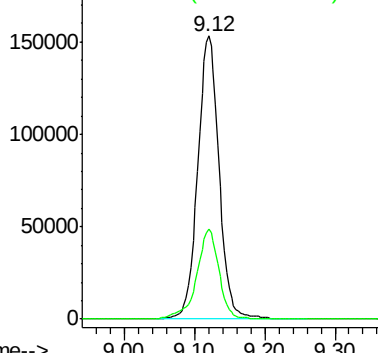
63 100

65 31.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.362 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

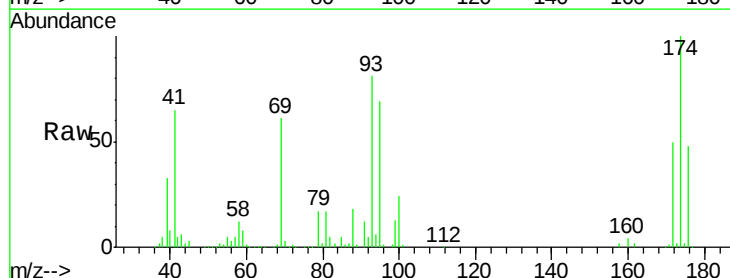
Tgt Ion: 93 Resp: 196340

Ion Ratio Lower Upper

93 100

95 85.0 66.6 100.0

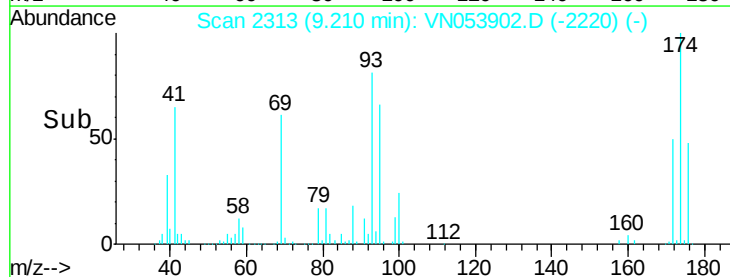
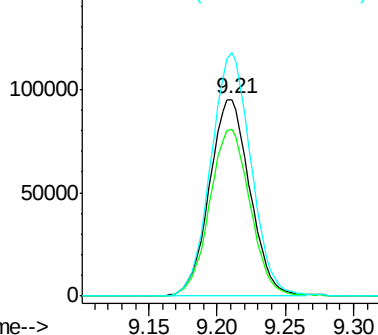
174 122.8 96.2 144.4

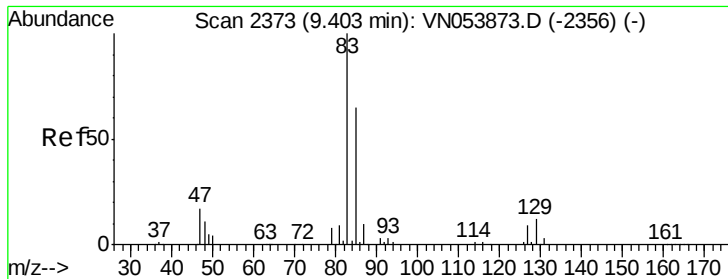


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.506 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

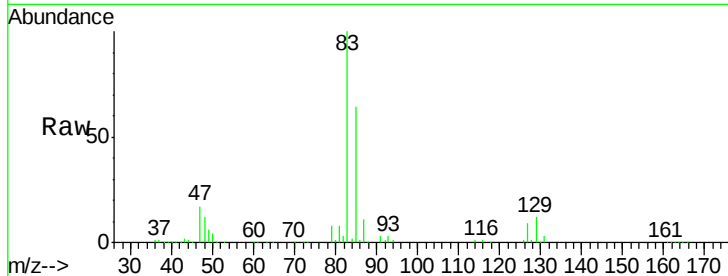
Tot Ion: 83 Resp: 415406

Ion Ratio Lower Upper

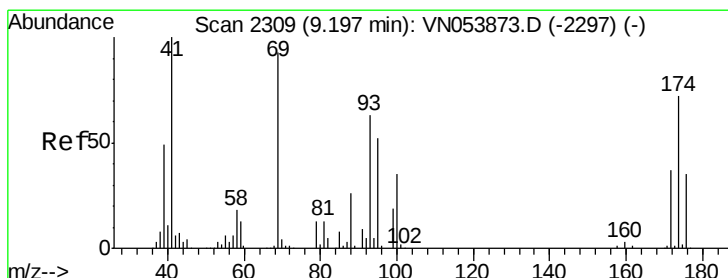
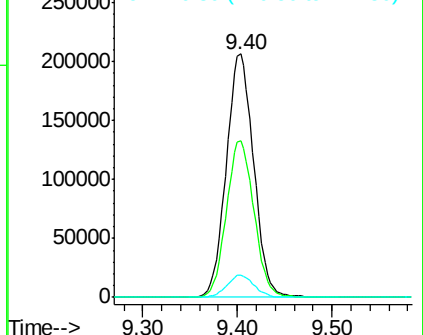
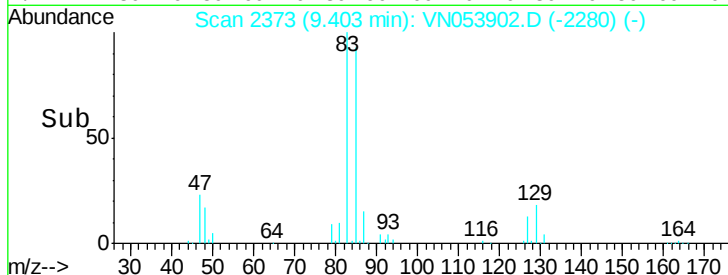
83 100

85 64.3 51.8 77.6

127 9.1 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053902.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.830 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

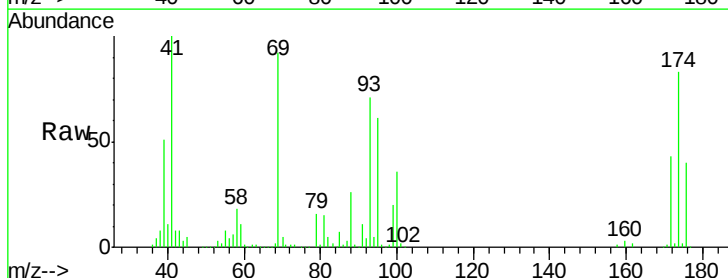
Tgt Ion: 41 Resp: 207463

Ion Ratio Lower Upper

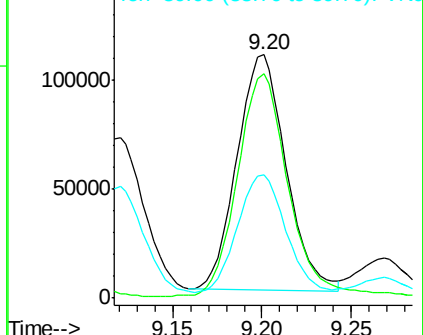
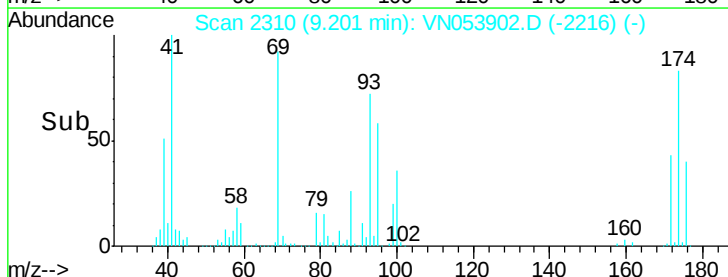
41 100

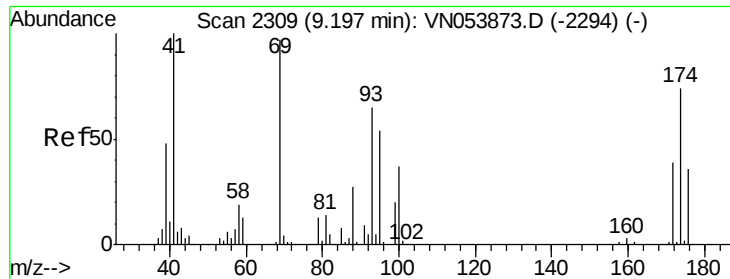
69 100.8 74.8 112.2

39 49.7 39.0 58.6



Abundance Ion 41.00 (40.70 to 41.70): VN053902.D (-2216) (-)





#49

1,4-Dioxane

Concen: 943.235 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

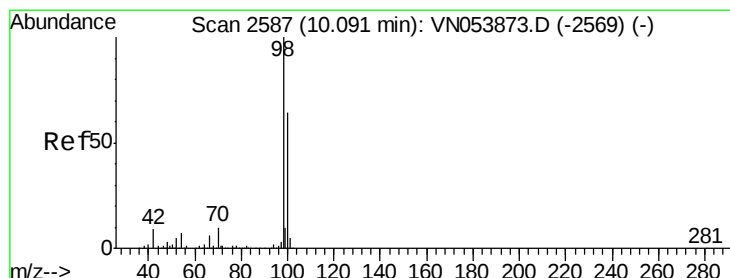
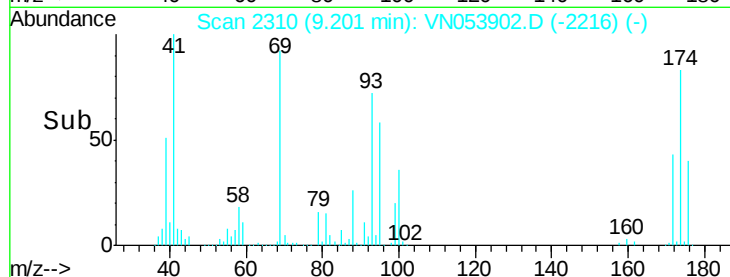
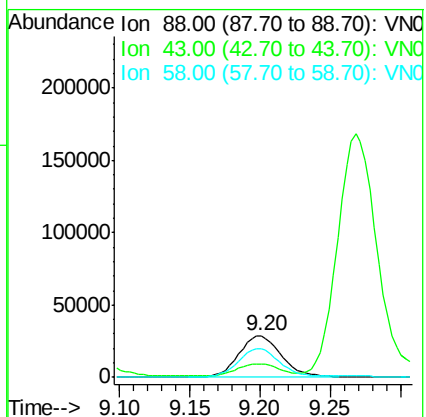
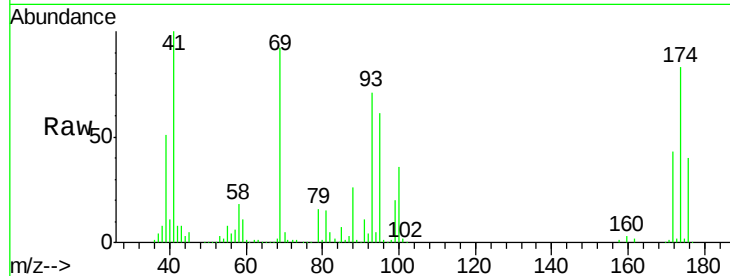
Tot Ion: 88 Resp: 61061

Ion Ratio Lower Upper

88 100

43 28.0 21.2 31.8

58 69.0 54.2 81.2



#50

Toluene-d8

Concen: 50.318 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053902.D

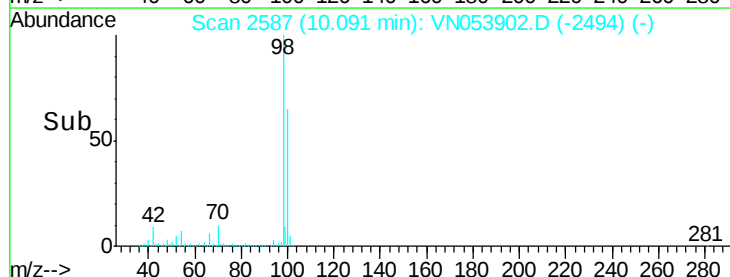
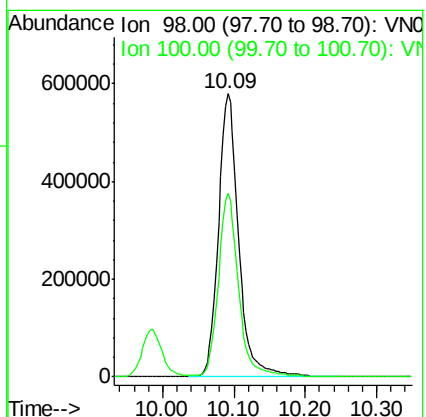
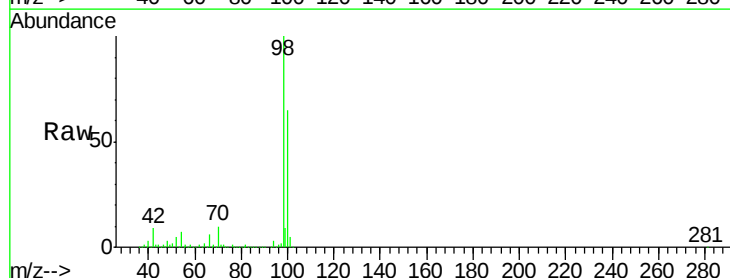
Acq: 21 Feb 2019 19:38

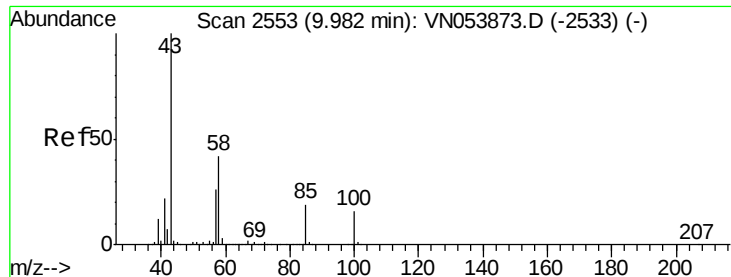
Tgt Ion: 98 Resp: 1138880

Ion Ratio Lower Upper

98 100

100 64.9 51.9 77.9

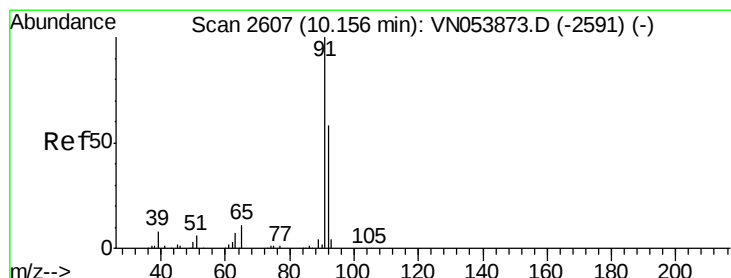
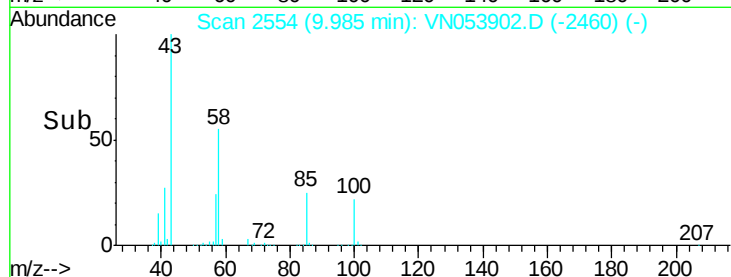
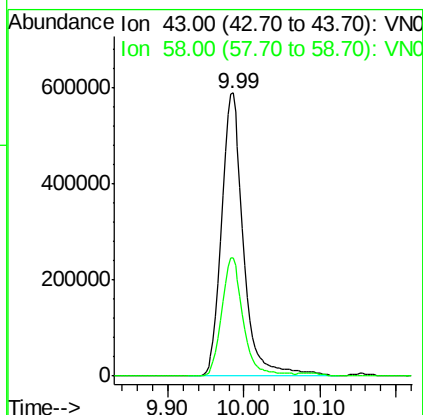
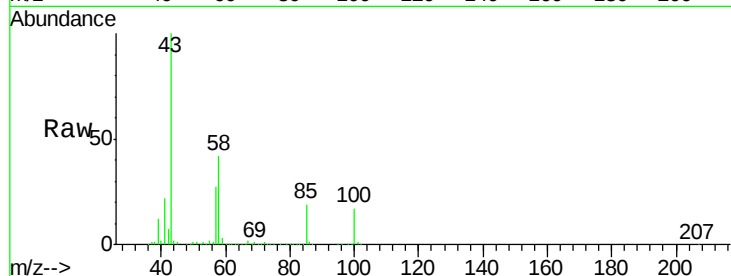




#51
 4-Methyl-2-Pentanone
 Concen: 246.168 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

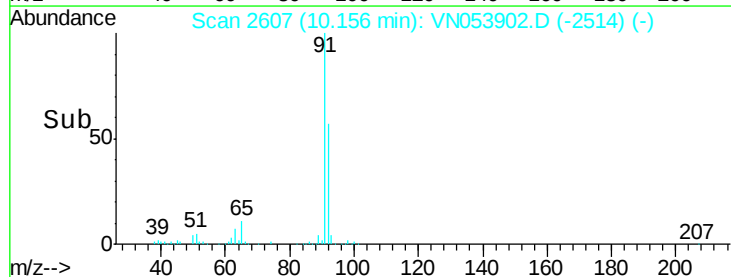
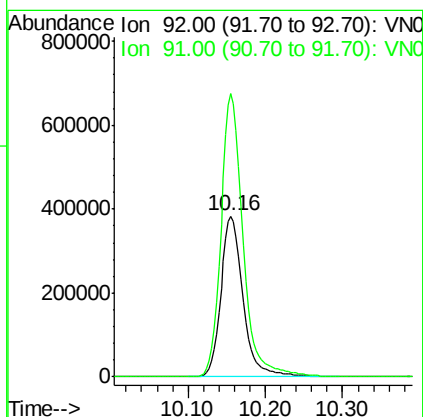
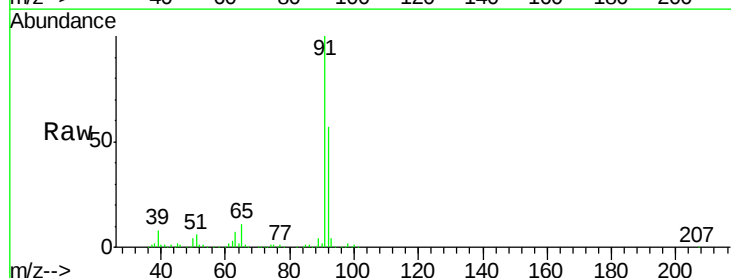
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

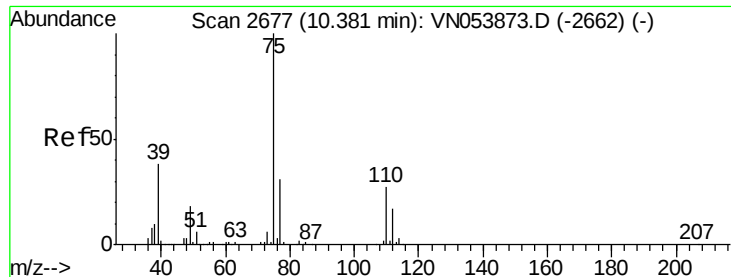
Tot Ion: 43 Resp: 1180294
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.7 49.1



#52
 Toluene
 Concen: 49.967 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion: 92 Resp: 766170
 Ion Ratio Lower Upper
 92 100
 91 175.1 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 51.631 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

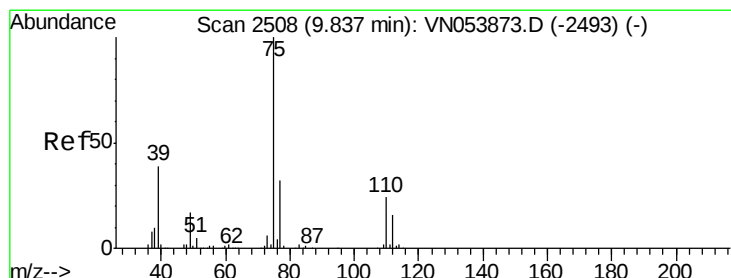
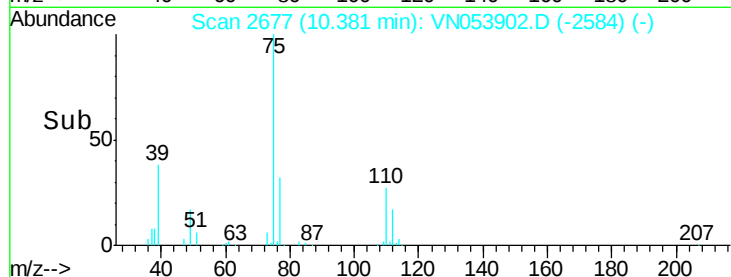
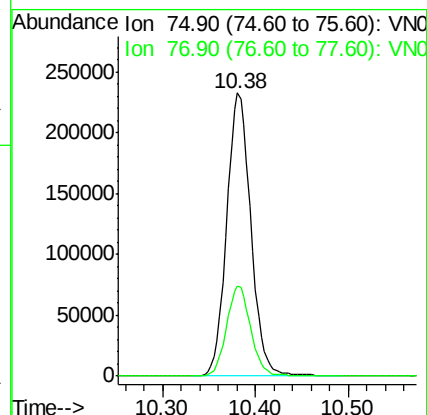
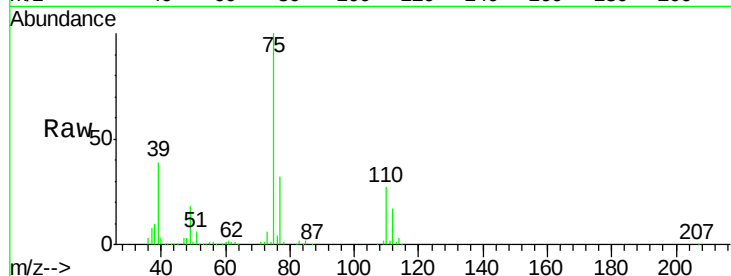
VSTDCCC050EC

Tot Ion: 75 Resp: 420691

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 51.242 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

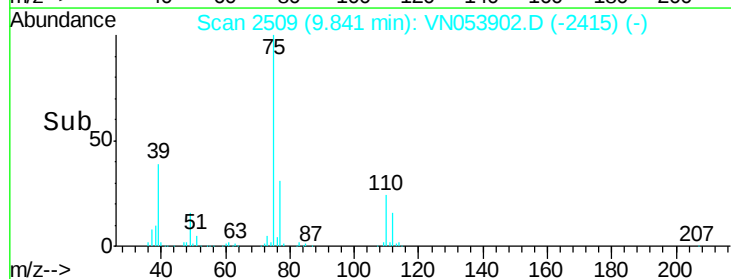
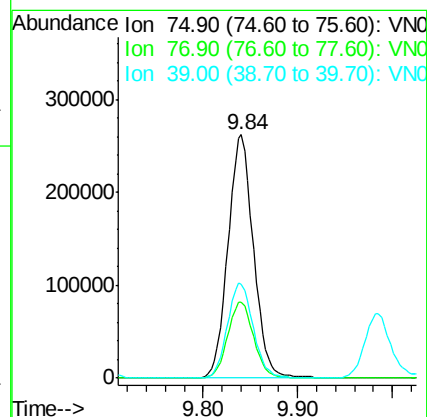
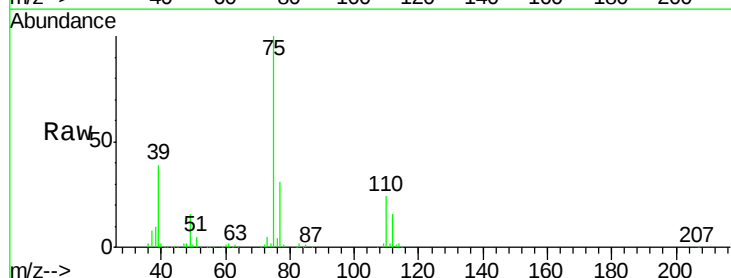
Tgt Ion: 75 Resp: 492111

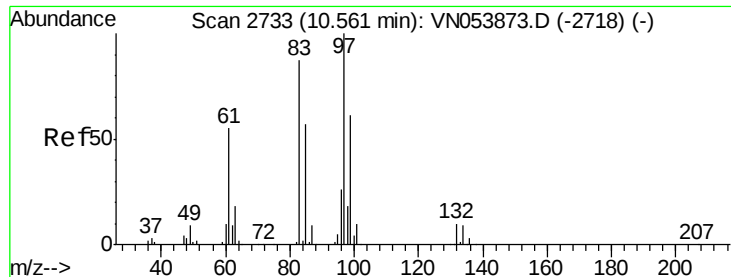
Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 38.8 31.4 47.0

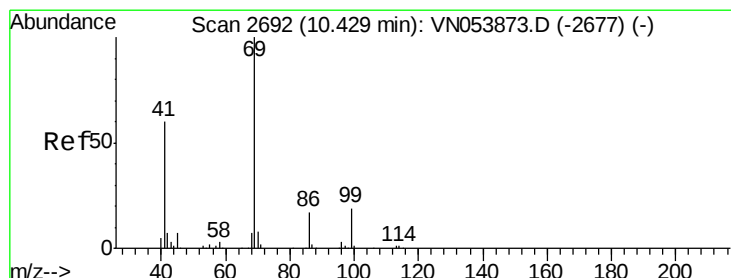
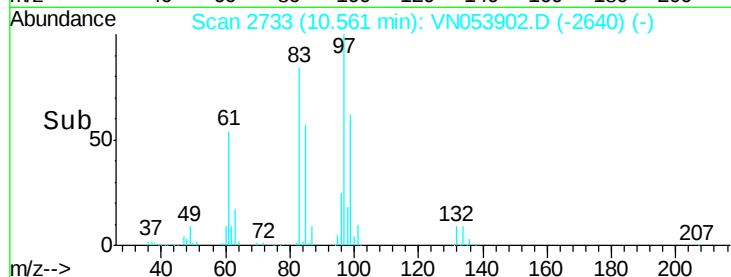
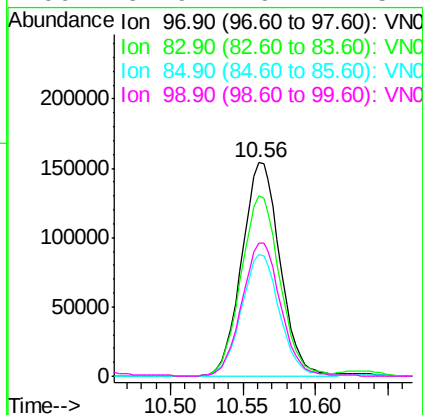
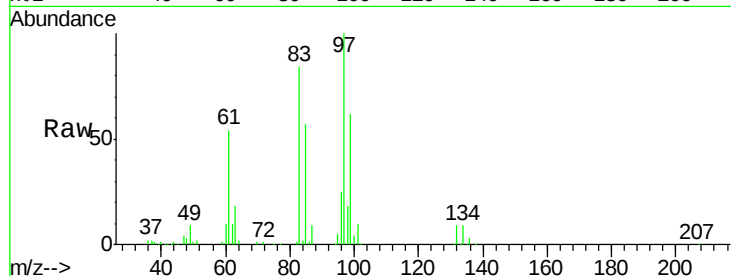




#55
 1,1,2-Trichloroethane
 Concen: 50.729 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

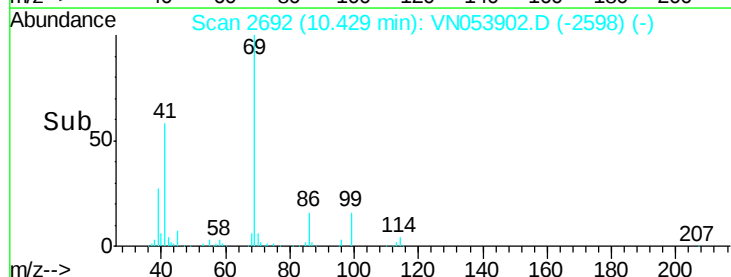
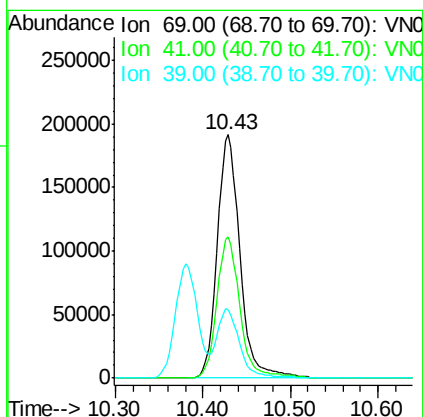
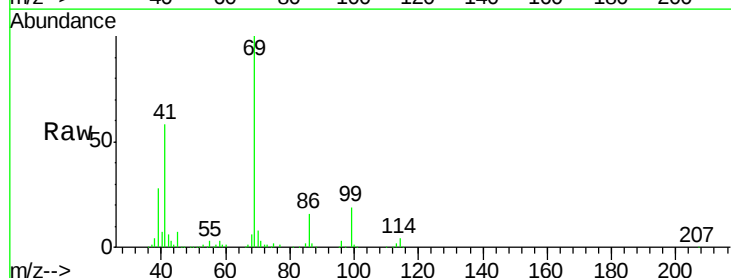
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

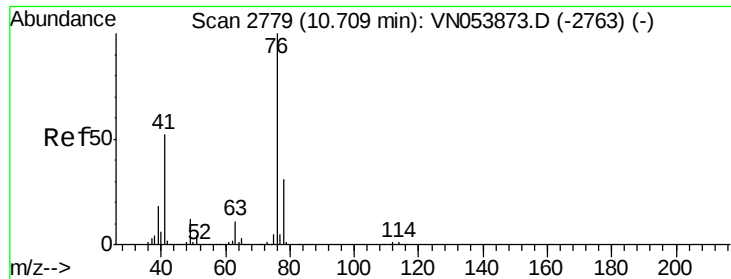
Tot Ion:	97	Resp:	284355
Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.5	104.3
85	56.8	45.9	68.9
99	61.9	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 48.102 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion:	69	Resp:	346071
Ion	Ratio	Lower	Upper
69	100		
41	58.2	47.5	71.3
39	28.6	23.4	35.0

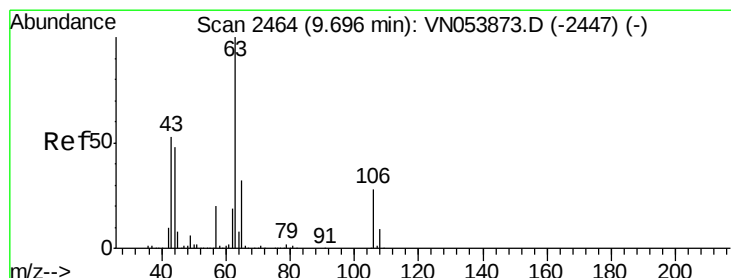
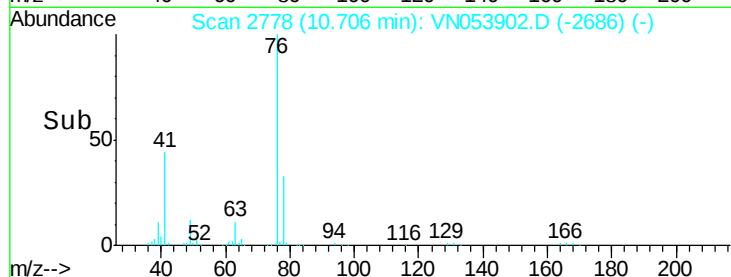
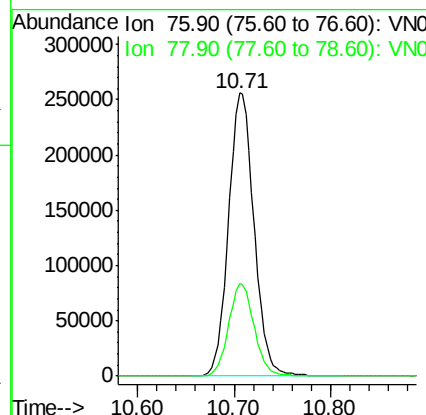
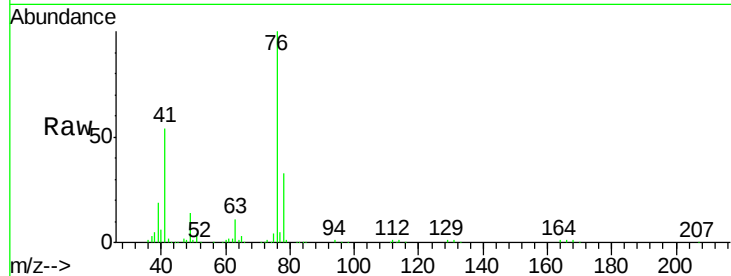




#57
 1,3-Dichloropropane
 Concen: 49.560 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

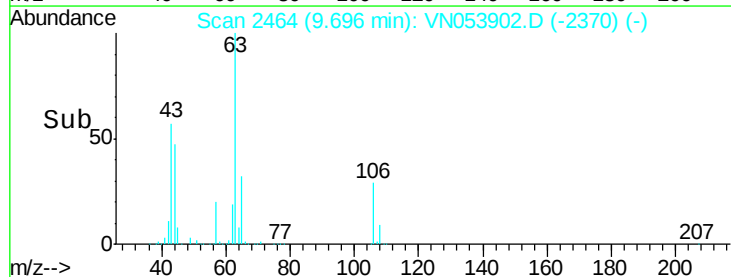
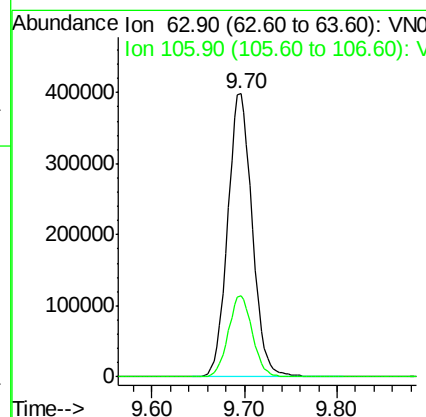
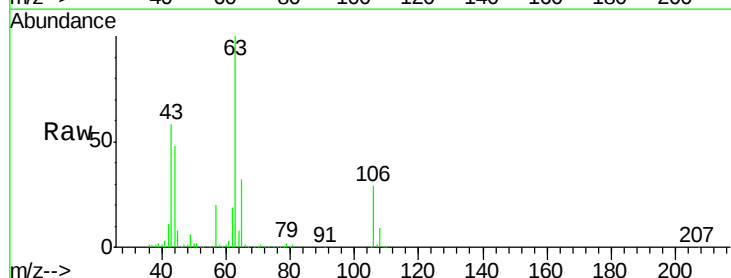
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

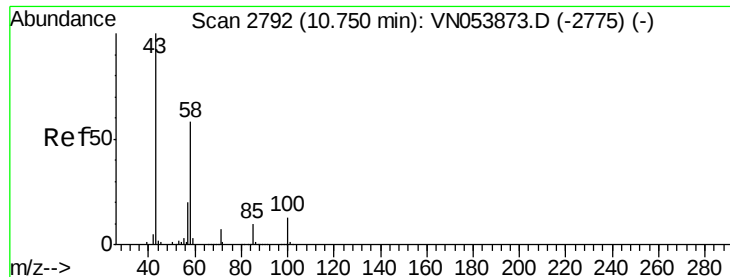
Tot Ion: 76 Resp: 467750
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.042 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion: 63 Resp: 731094
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.2 33.2

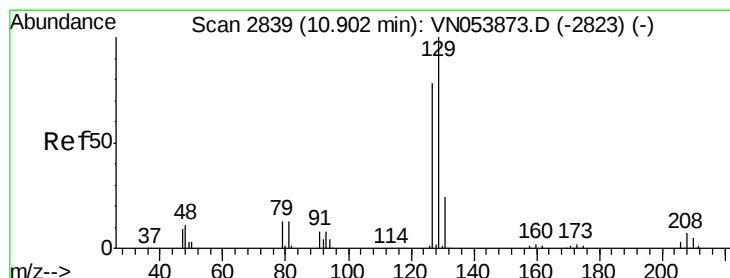
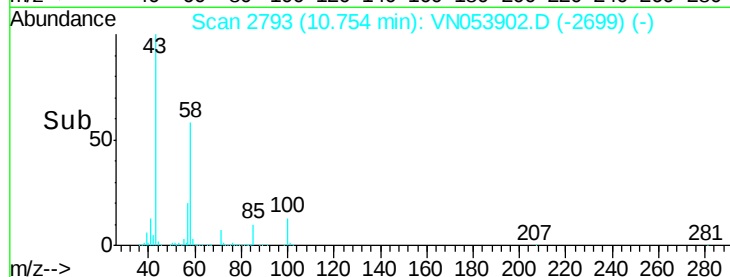
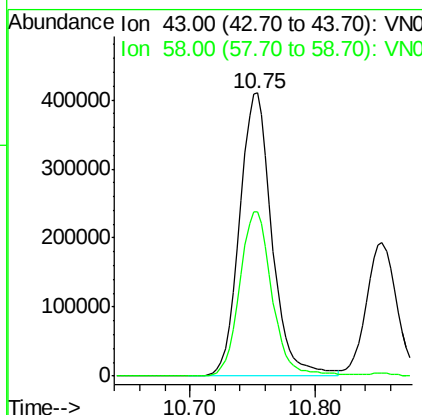
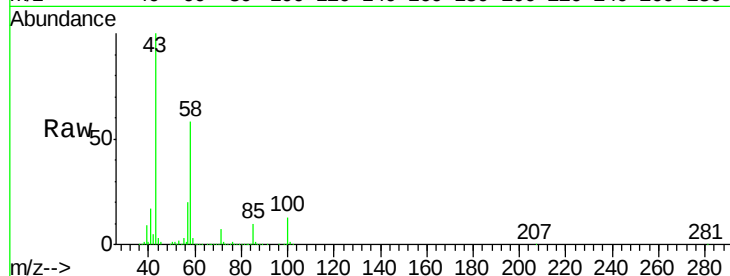




#59
2-Hexanone
Concen: 250.154 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

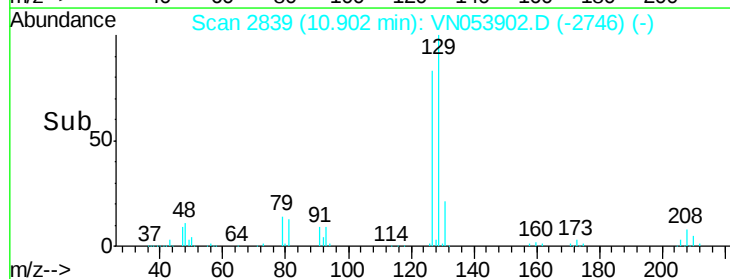
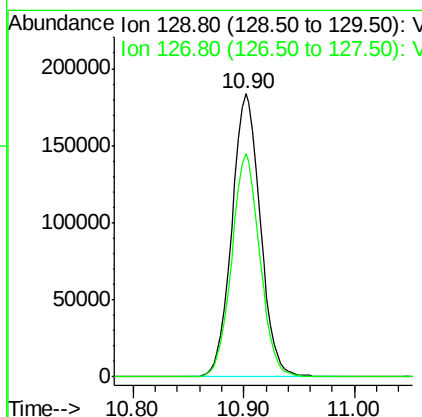
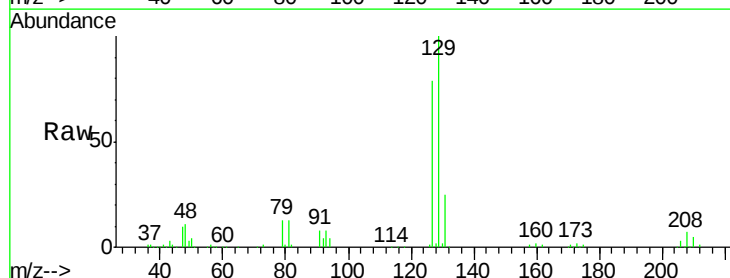
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

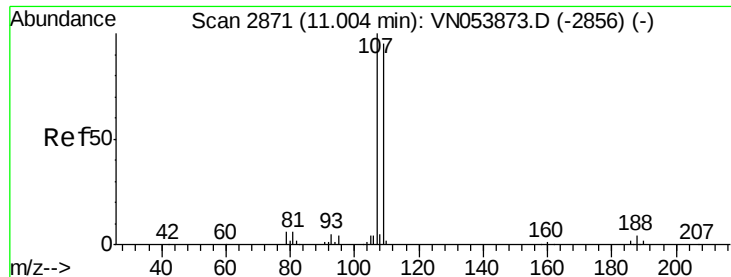
Tot Ion: 43 Resp: 732709
Ion Ratio Lower Upper
43 100
58 58.4 29.1 87.4



#60
Dibromochloromethane
Concen: 50.223 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 129 Resp: 328602
Ion Ratio Lower Upper
129 100
127 78.1 38.8 116.3

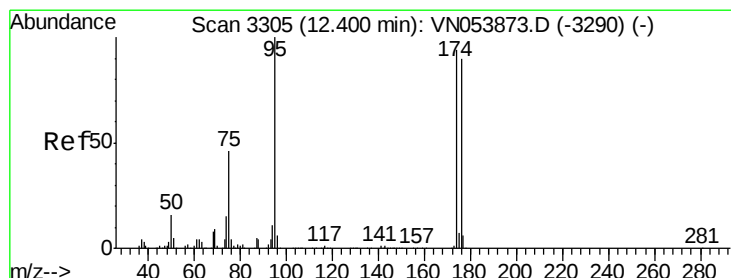
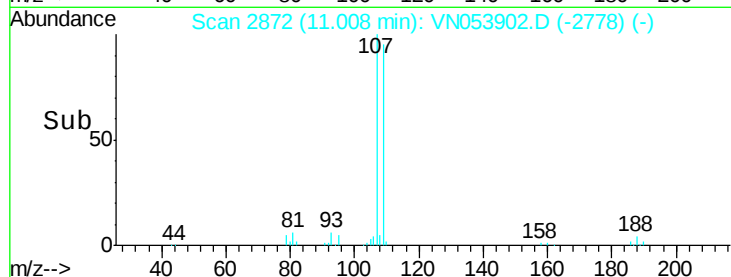
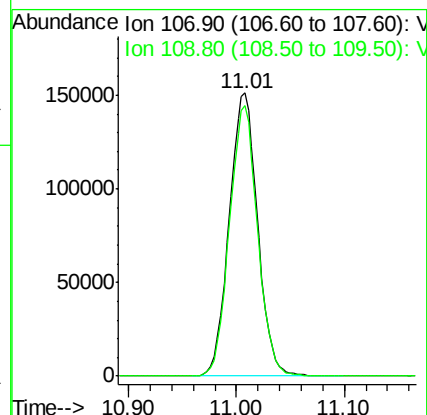
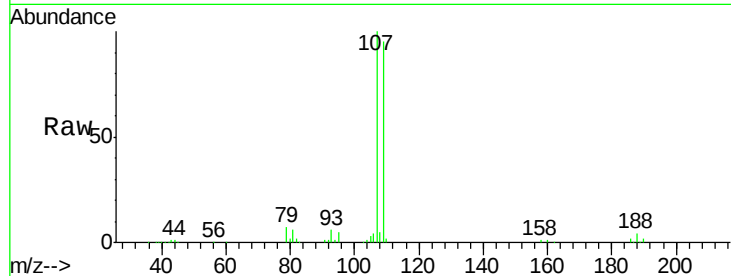




#61
 1,2-Dibromoethane
 Concen: 49.776 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

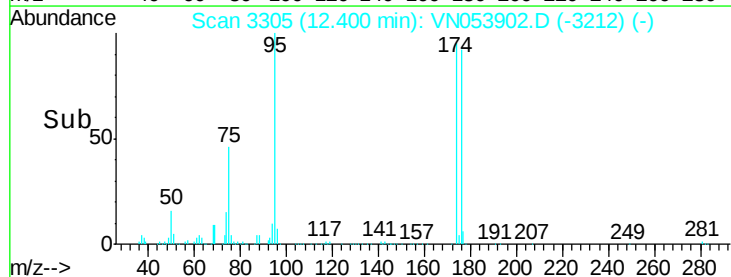
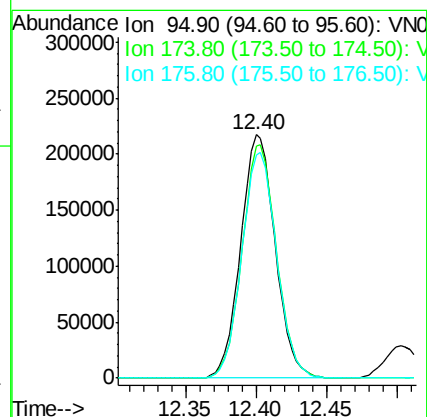
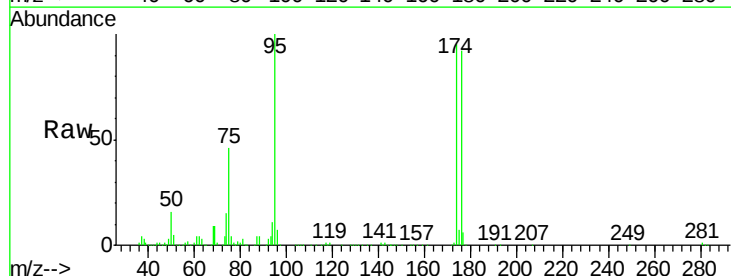
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

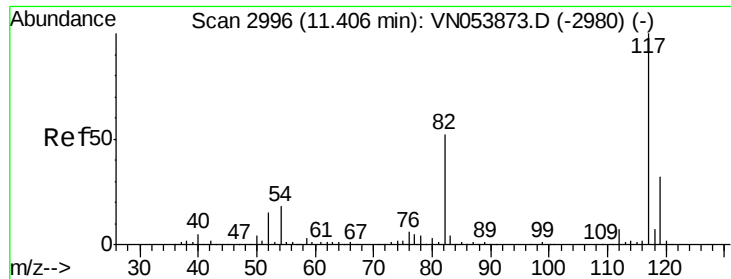
Tot Ion:107 Resp: 277191
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 49.953 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion: 95 Resp: 373259
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 188.8
 176 93.2 0.0 182.6

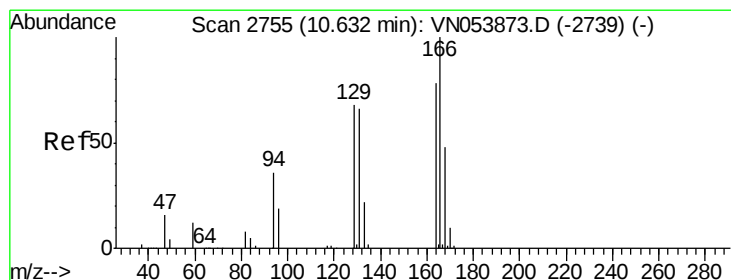
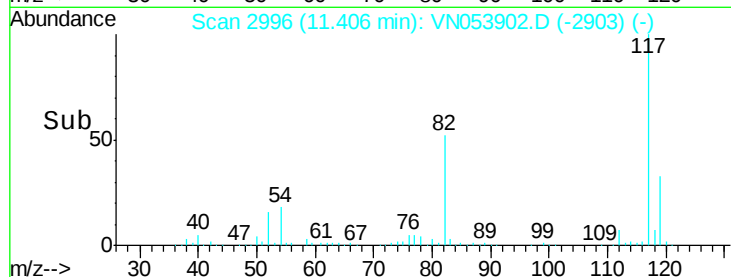
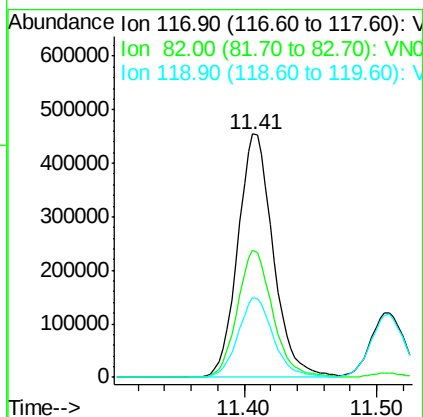
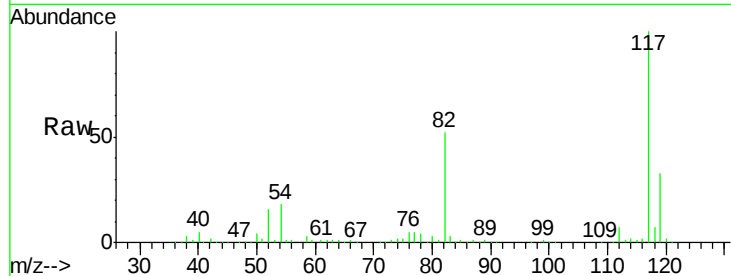




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

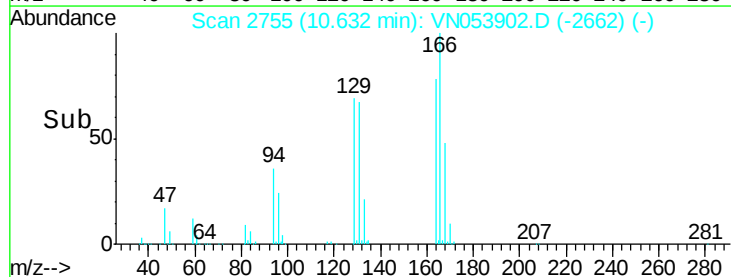
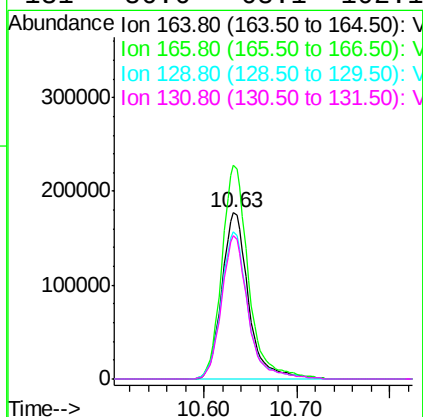
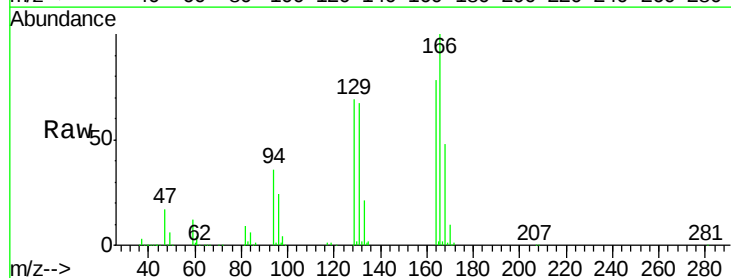
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

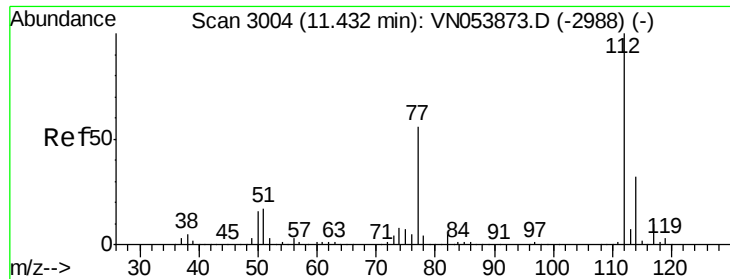
Tot Ion:117 Resp: 843616
Ion Ratio Lower Upper
117 100
82 52.0 41.4 62.2
119 32.5 25.3 37.9



#64
Tetrachloroethene
Concen: 46.939 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion:164 Resp: 354089
Ion Ratio Lower Upper
164 100
166 128.6 102.6 153.8
129 88.6 69.4 104.0
131 86.6 68.1 102.1

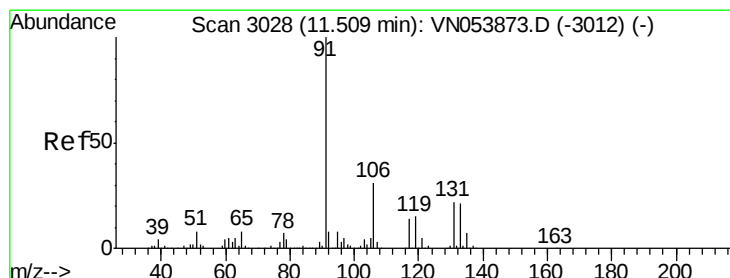
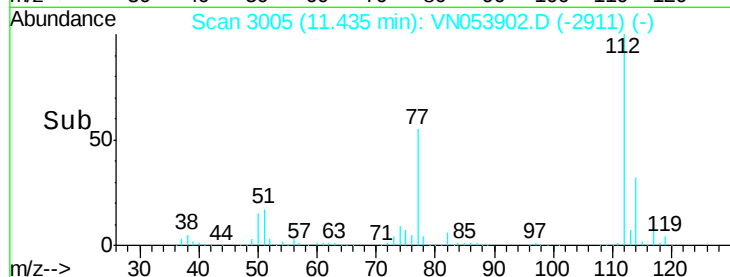
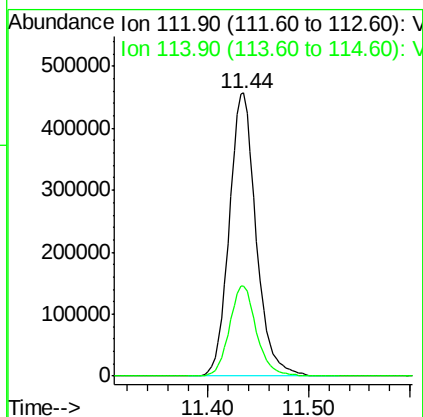
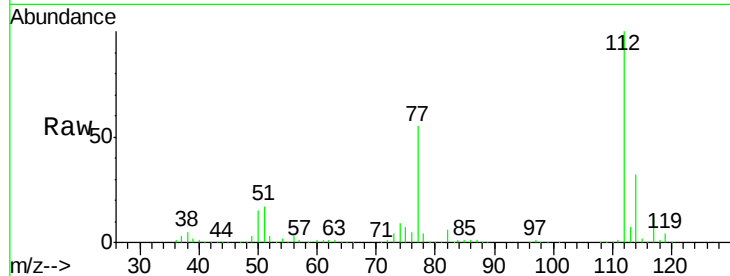




#65
Chlorobenzene
Concen: 47.956 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

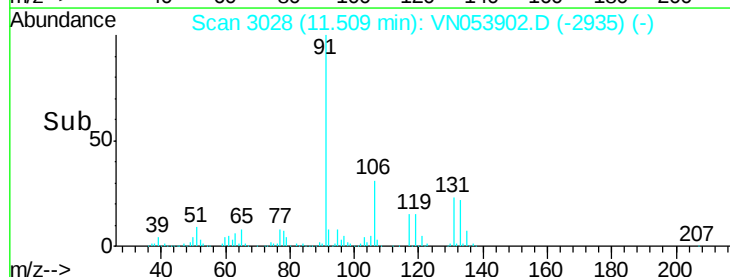
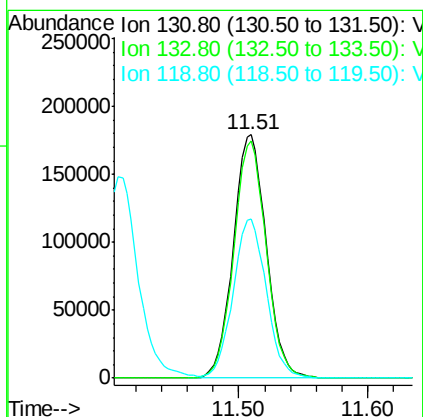
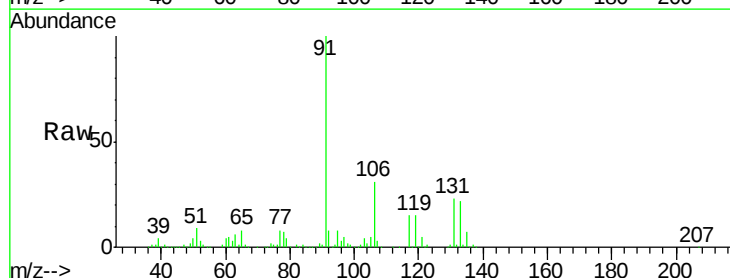
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

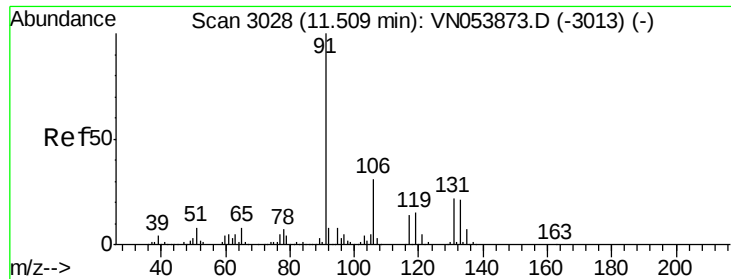
Tot Ion:112 Resp: 846805
Ion Ratio Lower Upper
112 100
114 31.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.316 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion:131 Resp: 317780
Ion Ratio Lower Upper
131 100
133 95.9 47.7 143.1
119 66.0 33.1 99.3

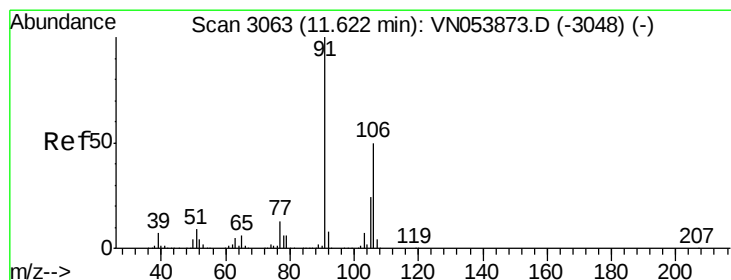
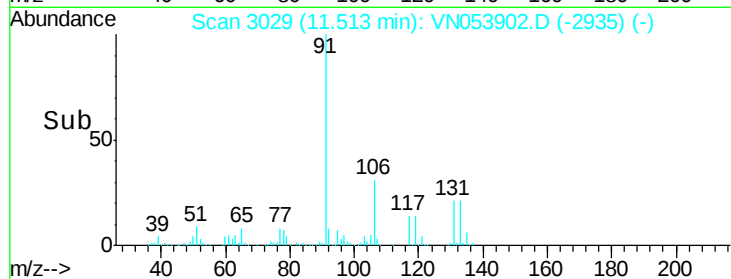
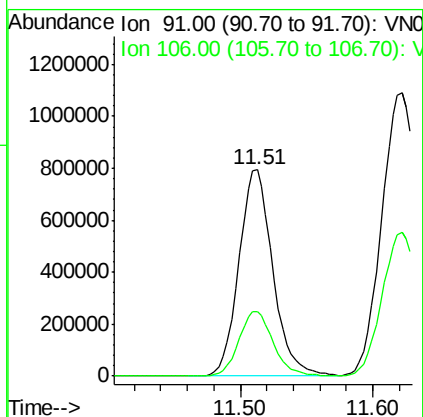
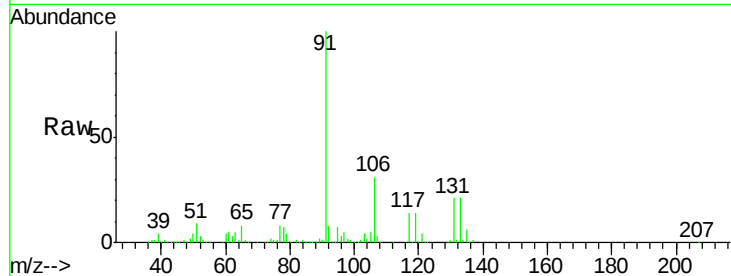




#67
Ethyl Benzene
Concen: 49.525 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

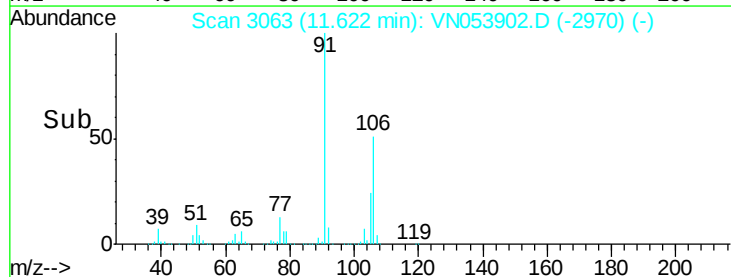
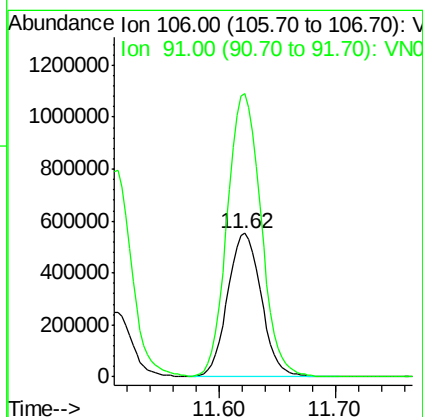
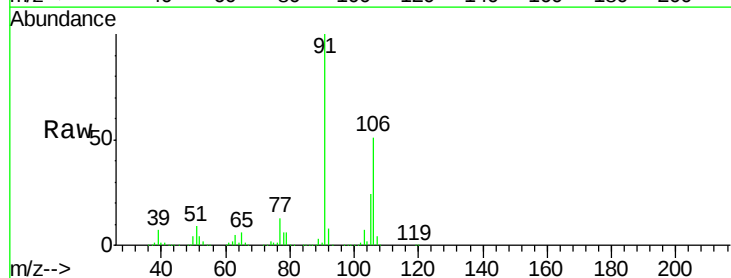
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

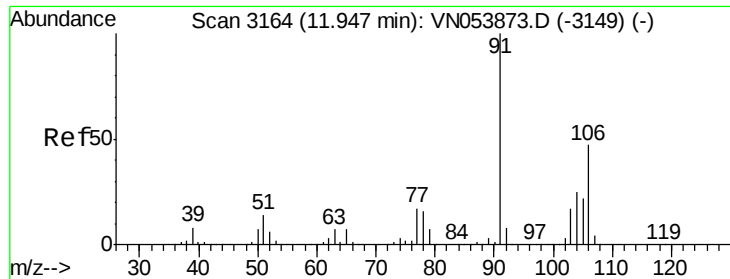
Tot Ion: 91 Resp: 1415298
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8



#68
m/p-Xylenes
Concen: 100.710 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 106 Resp: 1114374
Ion Ratio Lower Upper
106 100
91 198.1 158.9 238.3

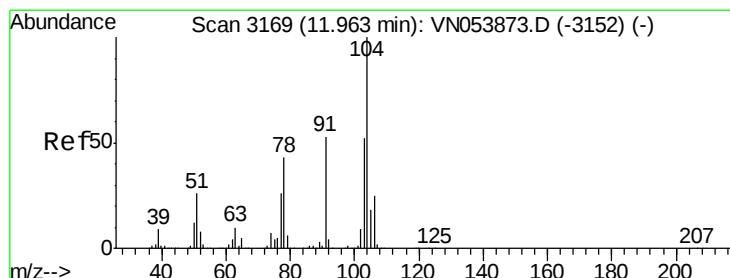
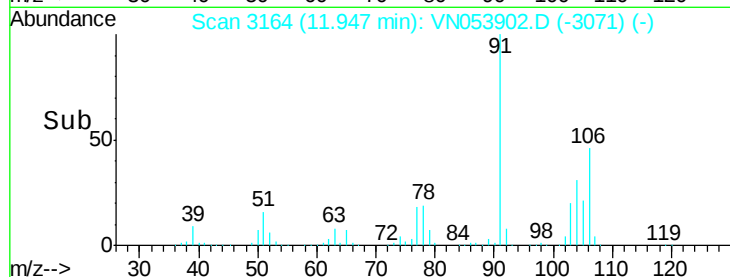
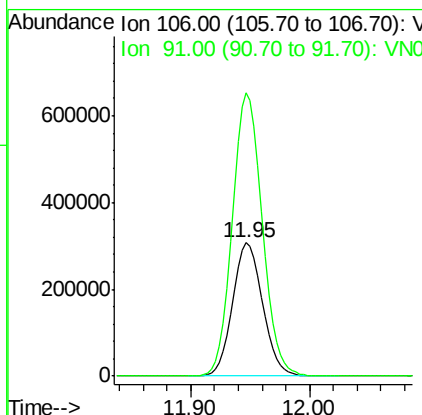
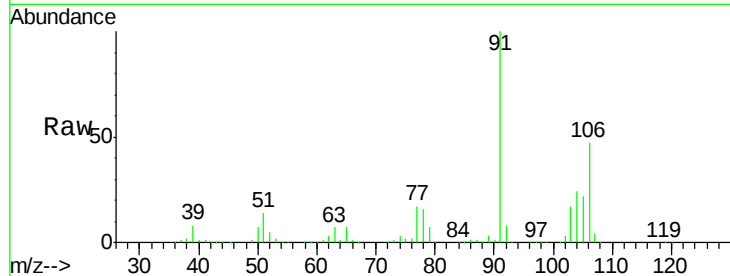




#69
o-Xylene
Concen: 50.431 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

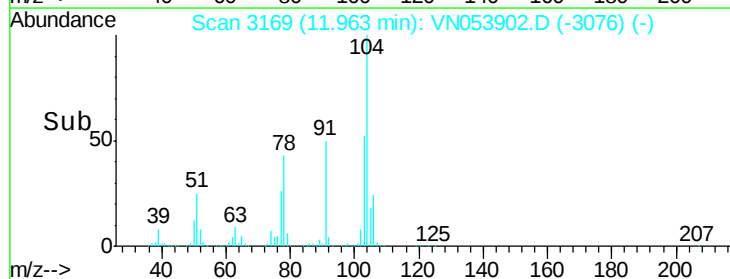
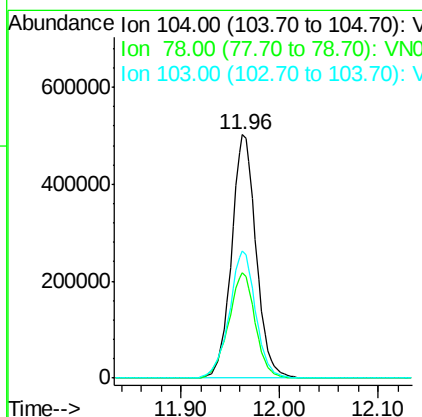
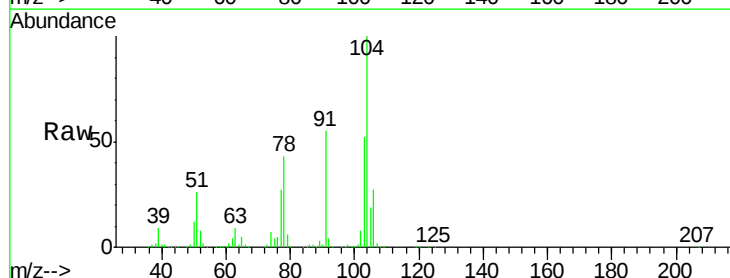
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

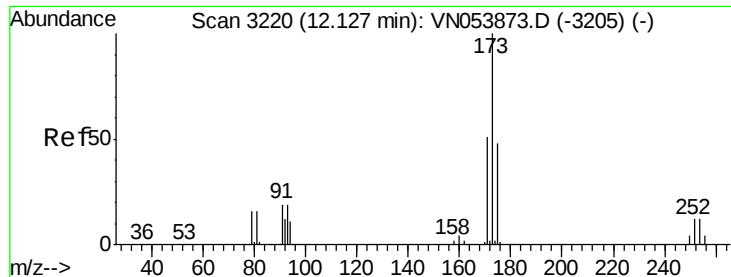
Tot Ion:106 Resp: 537224
Ion Ratio Lower Upper
106 100
91 211.6 106.0 318.0



#70
Styrene
Concen: 51.909 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion:104 Resp: 867736
Ion Ratio Lower Upper
104 100
78 47.2 38.1 57.1
103 56.1 44.6 67.0





#71

Bromoform

Concen: 50.775 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

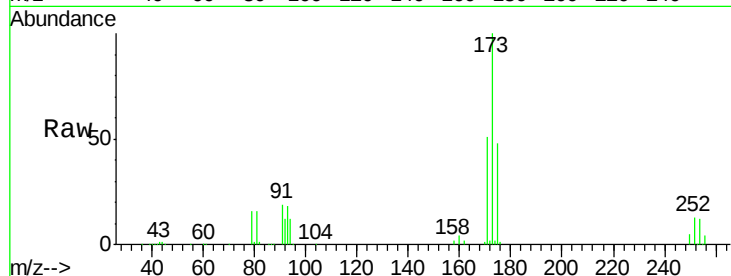
Tot Ion:173 Resp: 232194

Ion Ratio Lower Upper

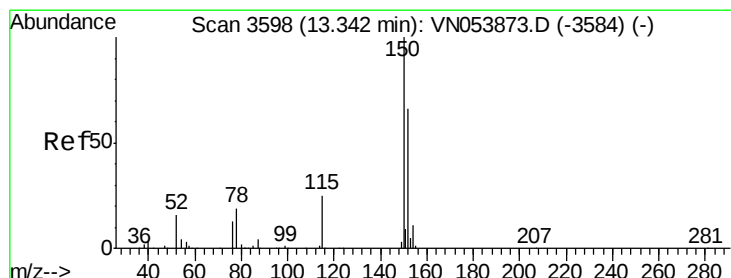
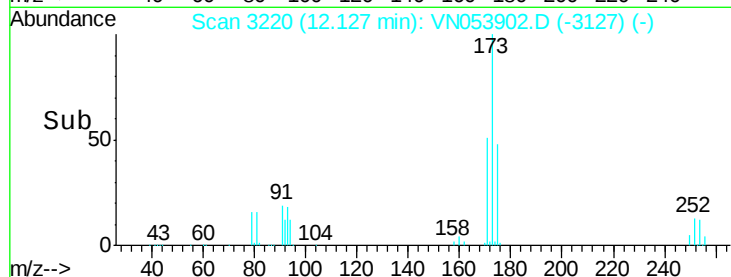
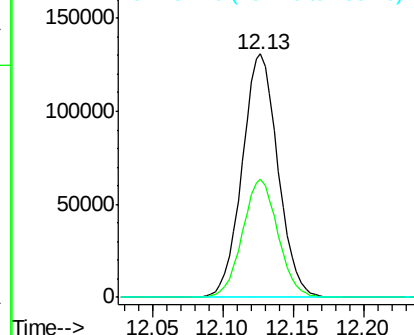
173 100

175 48.1 24.3 72.8

254 0.0 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: VN053902.D

Acq: 21 Feb 2019 19:38

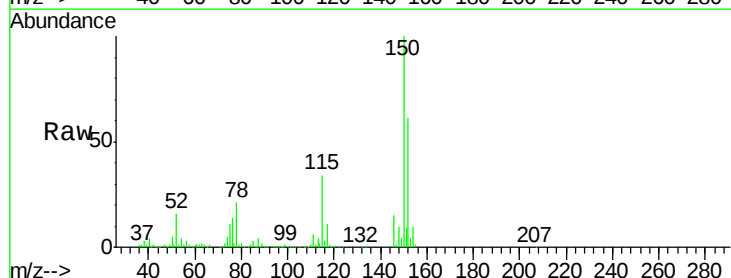
Tgt Ion:152 Resp: 402882

Ion Ratio Lower Upper

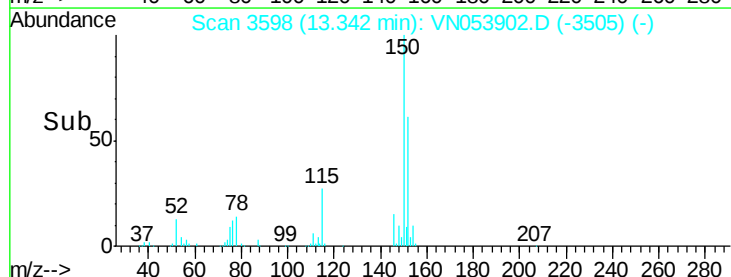
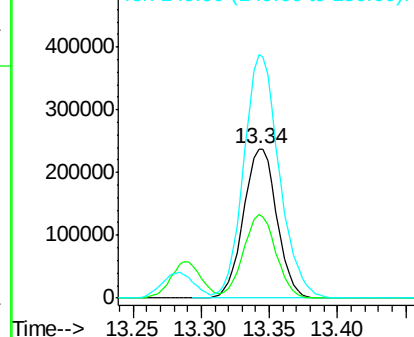
152 100

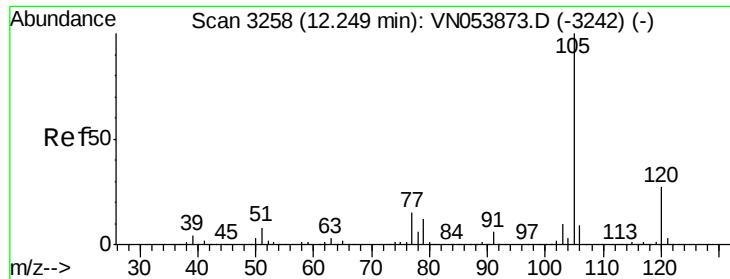
115 54.6 27.2 81.6

150 173.6 0.0 348.2



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





#73

Isopropylbenzene

Concen: 49.372 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

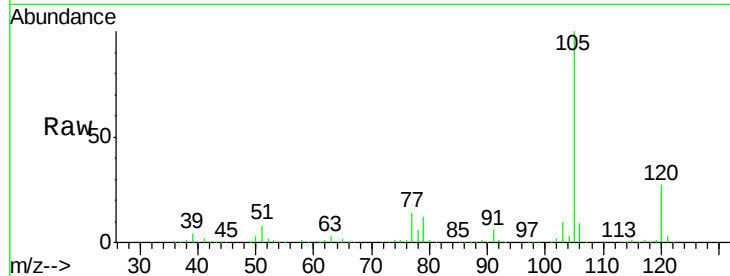
VSTDCCC050EC

Tot Ion:105 Resp: 1401288

Ion Ratio Lower Upper

105 100

120 27.3 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

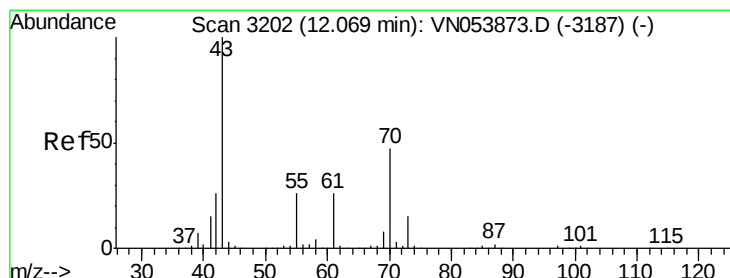
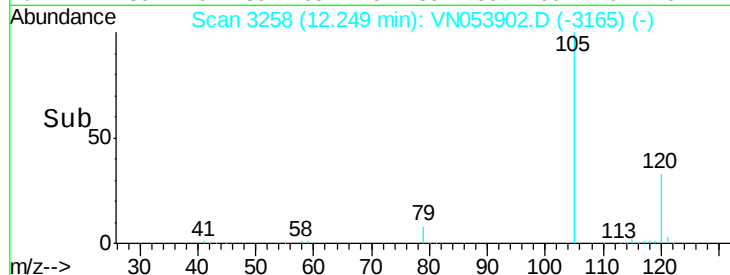
200000

0

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 51.409 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Tgt Ion: 43 Resp: 335073

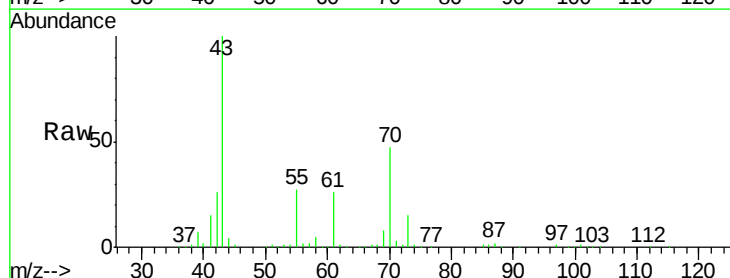
Ion Ratio Lower Upper

43 100

70 46.5 37.4 56.2

55 27.2 21.4 32.0

61 26.7 20.9 31.3



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

300000

250000

200000

150000

100000

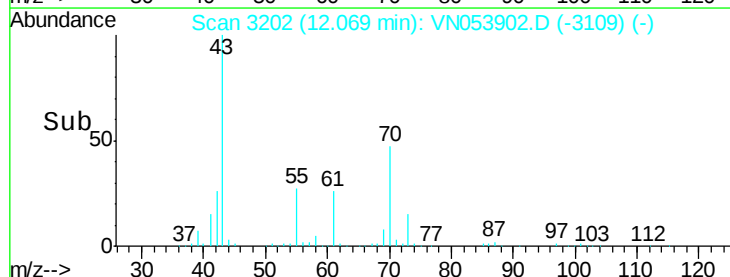
50000

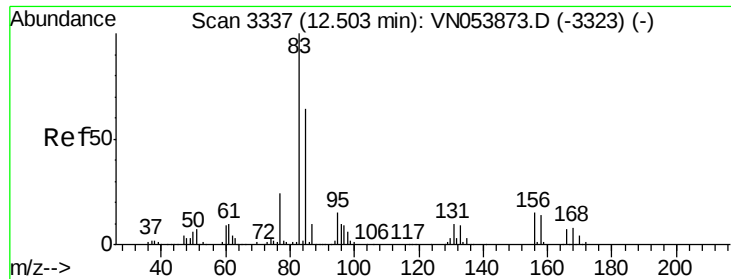
0

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.534 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

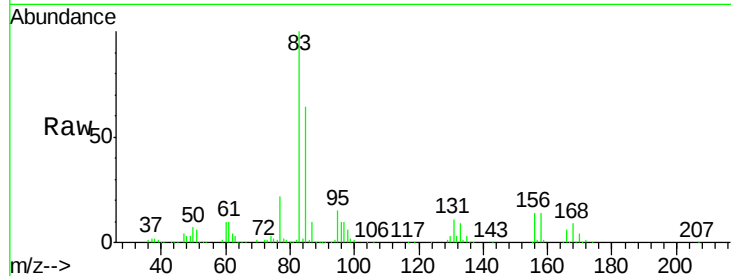
Tot Ion: 83 Resp: 332386

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

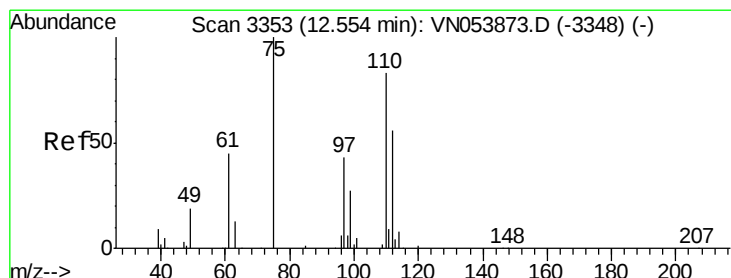
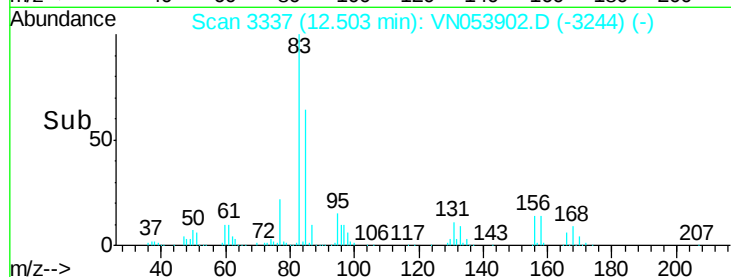
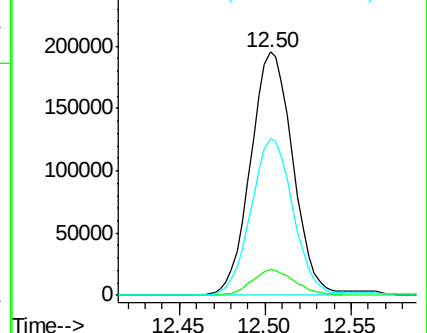
85 63.9 31.9 95.9



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: 69.142 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053902.D

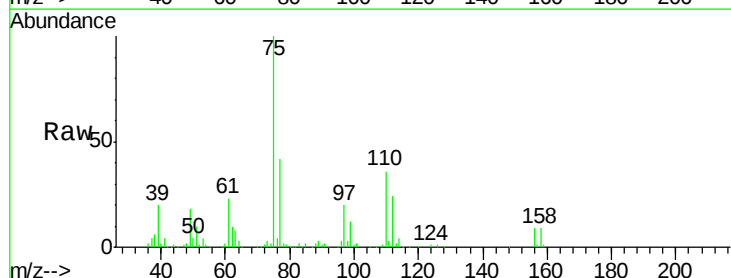
Acq: 21 Feb 2019 19:38

Tgt Ion: 75 Resp: 408929

Ion Ratio Lower Upper

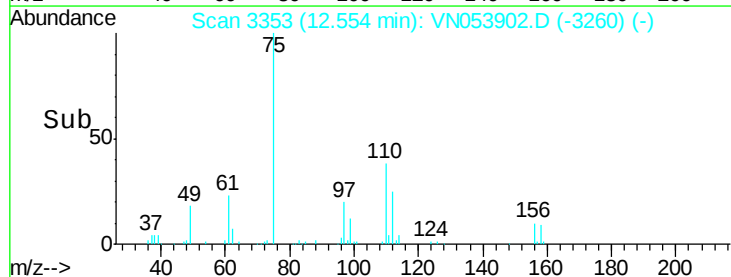
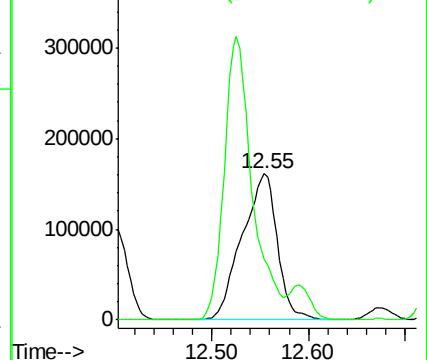
75 100

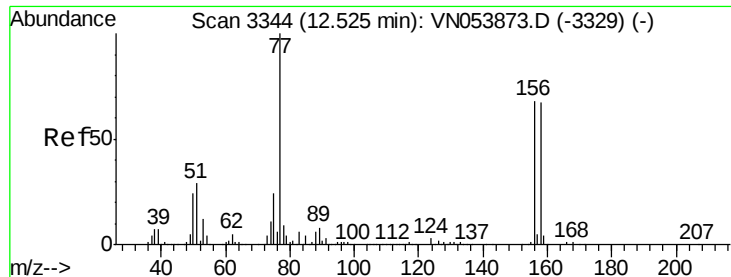
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.217 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

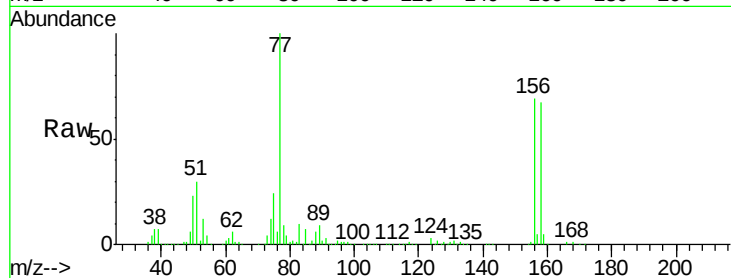
Tot Ion:156 Resp: 374725

Ion Ratio Lower Upper

156 100

77 167.6 84.0 252.2

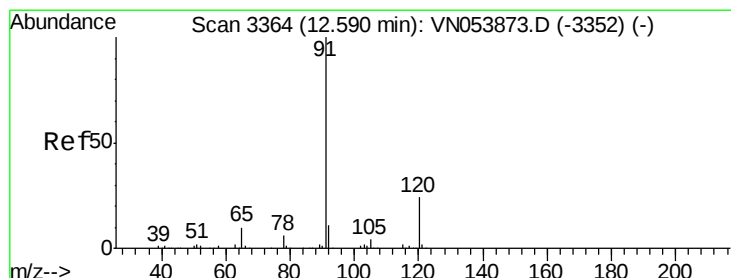
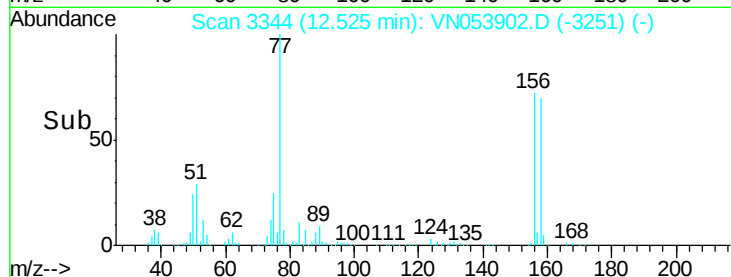
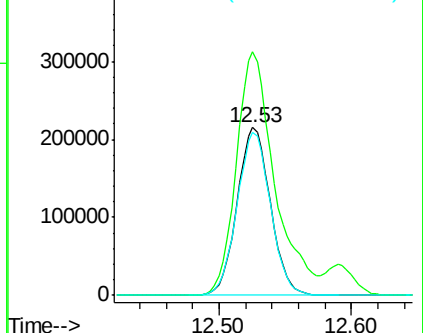
158 97.9 48.5 145.6



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: 50.421 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053902.D

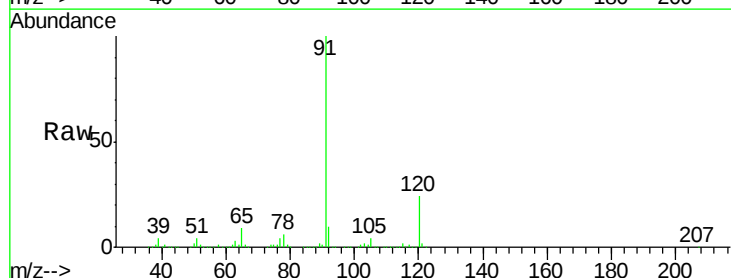
Acq: 21 Feb 2019 19:38

Tgt Ion: 91 Resp: 1600320

Ion Ratio Lower Upper

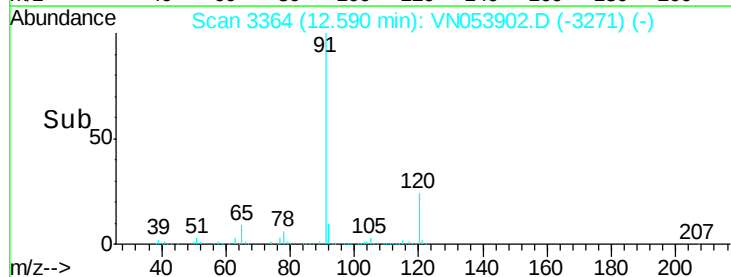
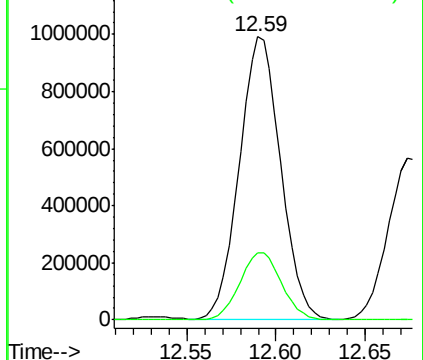
91 100

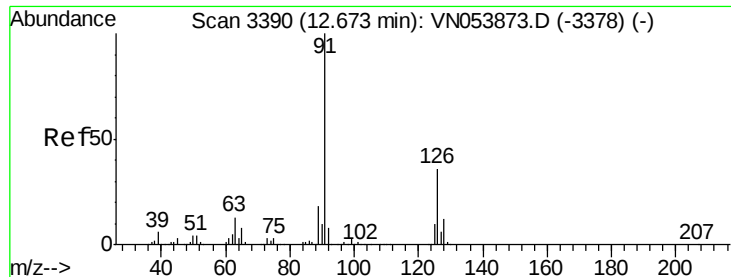
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.497 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

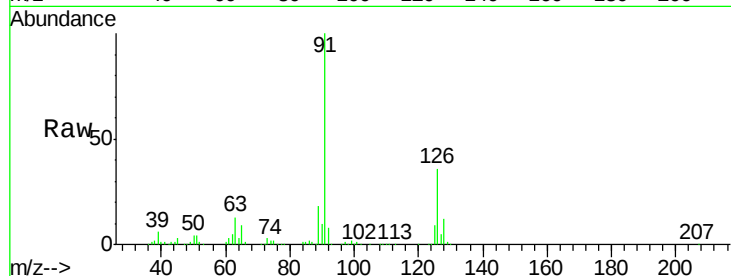
VSTDCCC050EC

Tot Ion: 91 Resp: 947239

Ion Ratio Lower Upper

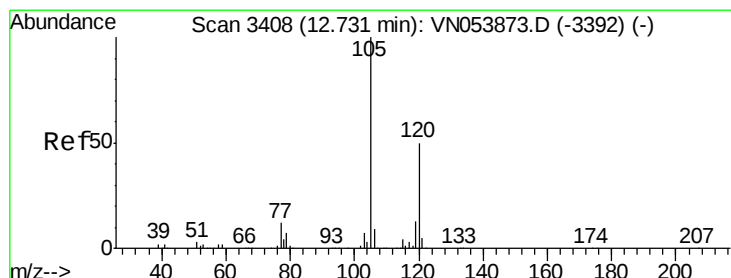
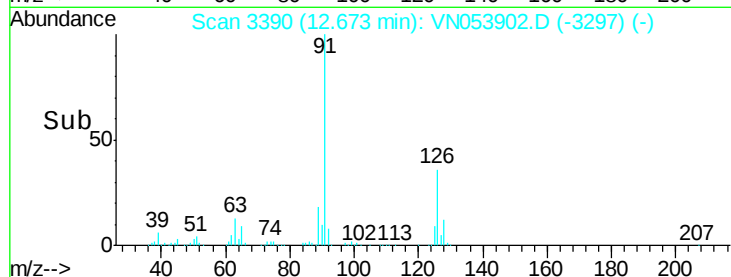
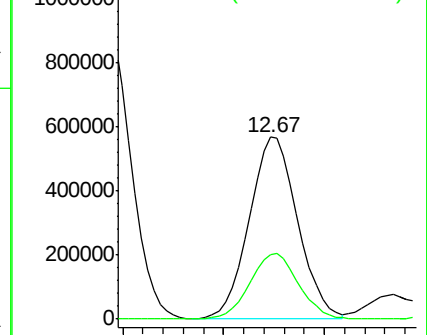
91 100

126 36.4 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.376 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053902.D

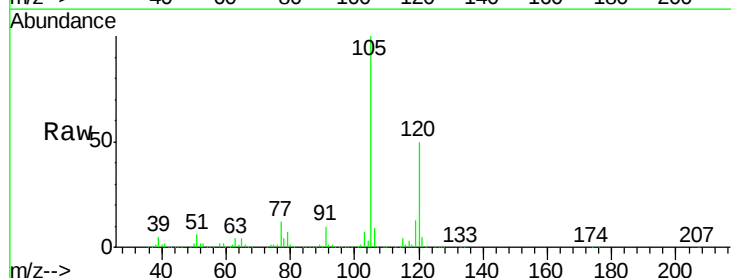
Acq: 21 Feb 2019 19:38

Tgt Ion:105 Resp: 1210368

Ion Ratio Lower Upper

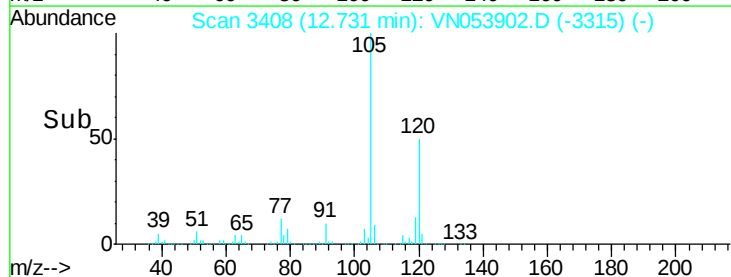
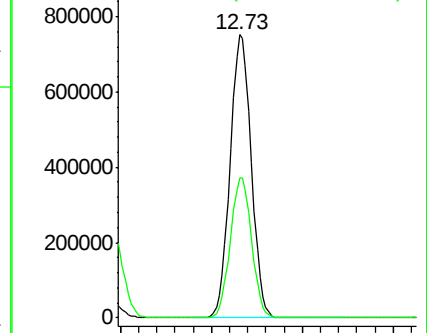
105 100

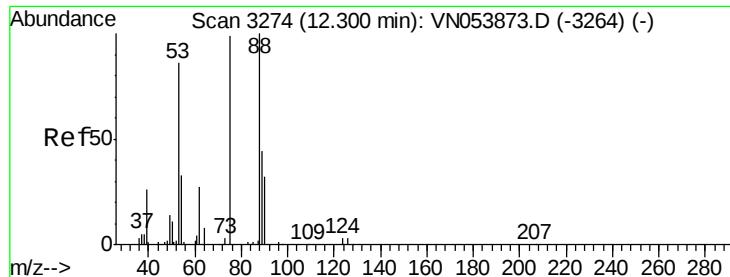
120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.088 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

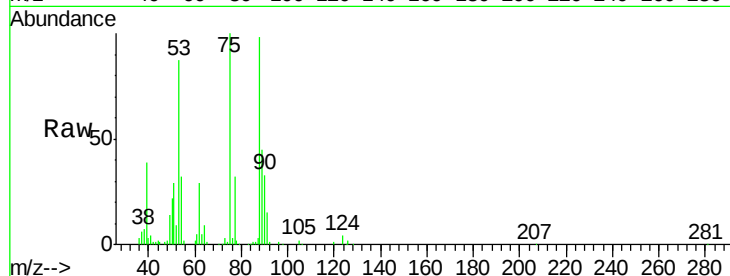
Tot Ion: 75 Resp: 89733

Ion Ratio Lower Upper

75 100

53 86.9 68.6 102.8

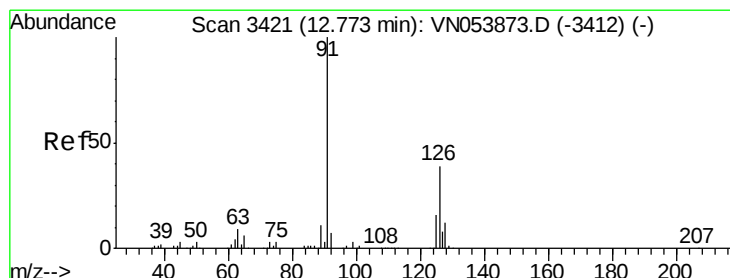
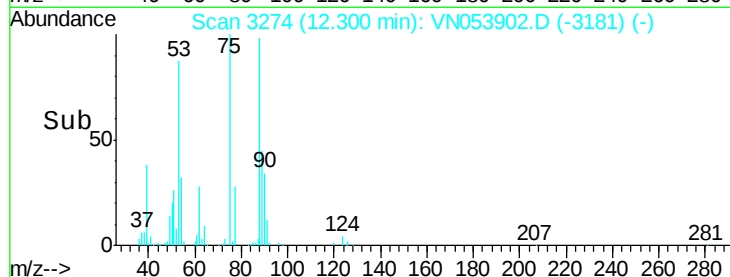
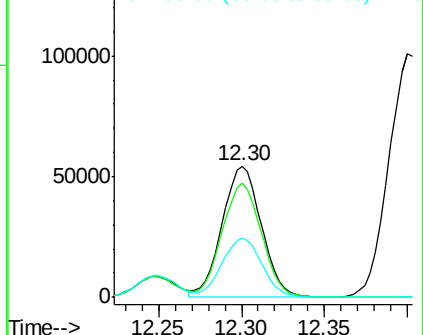
89 45.9 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.202 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053902.D

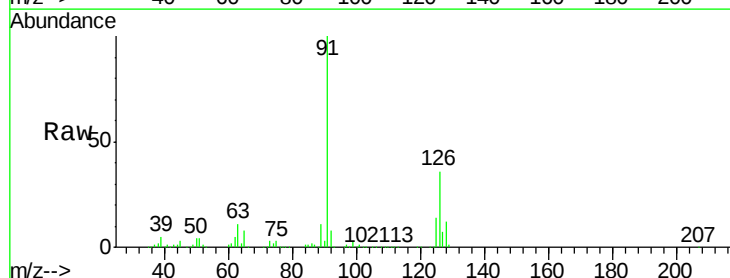
Acq: 21 Feb 2019 19:38

Tgt Ion: 91 Resp: 957114

Ion Ratio Lower Upper

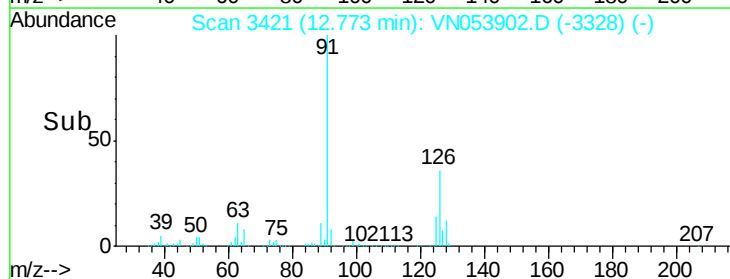
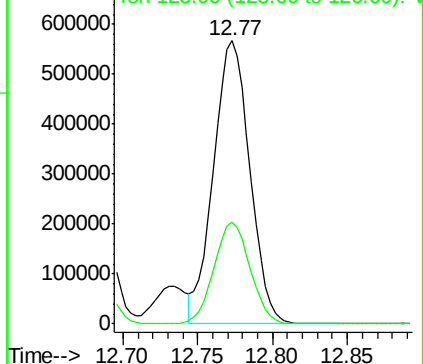
91 100

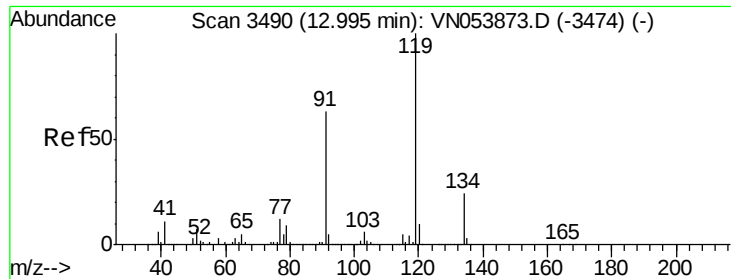
126 35.7 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

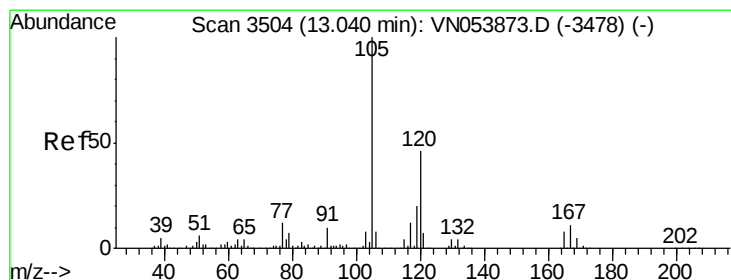
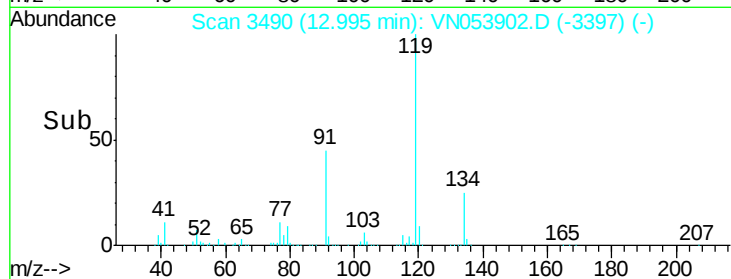
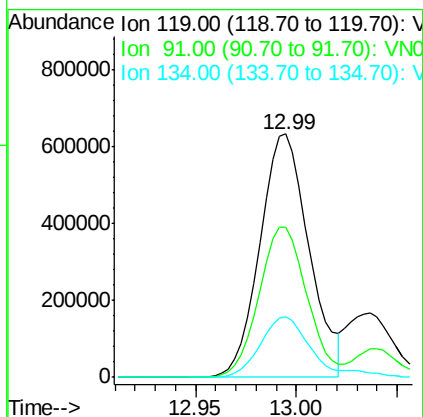
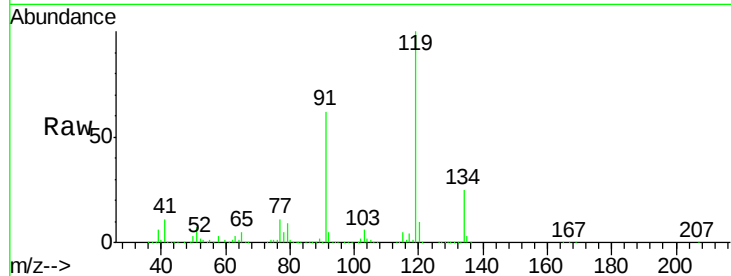




#83
tert-Butylbenzene
Concen: 50.826 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

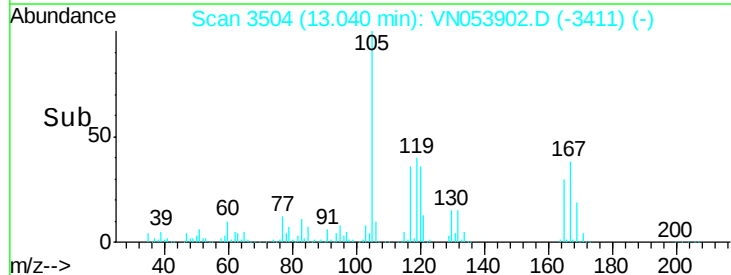
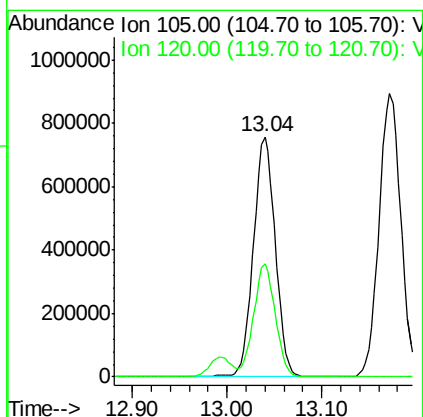
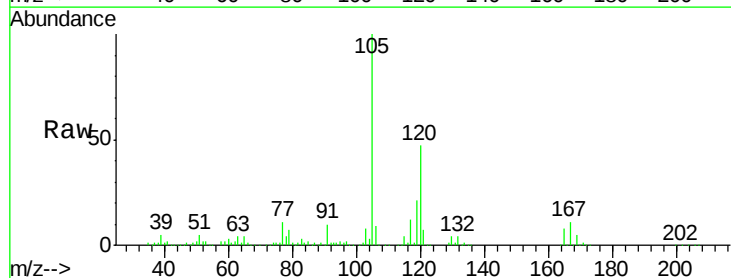
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

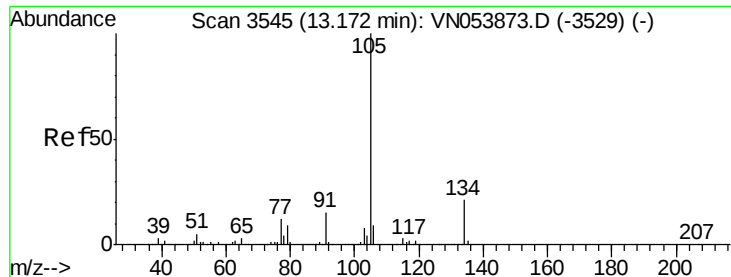
Tot Ion:119 Resp: 1075188
Ion Ratio Lower Upper
119 100
91 60.2 30.6 91.8
134 26.0 13.0 39.0



#84
1,2,4-Trimethylbenzene
Concen: 51.468 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion:105 Resp: 1216138
Ion Ratio Lower Upper
105 100
120 46.7 23.2 69.5





#85

sec-Butylbenzene

Concen: 50.174 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

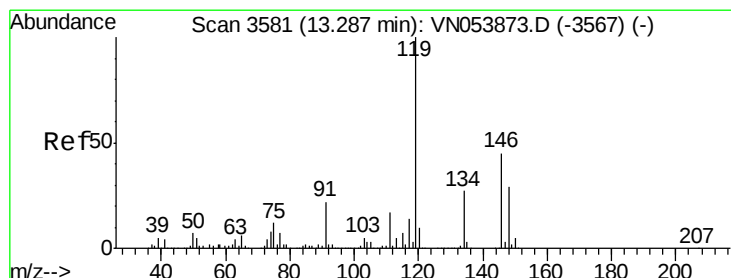
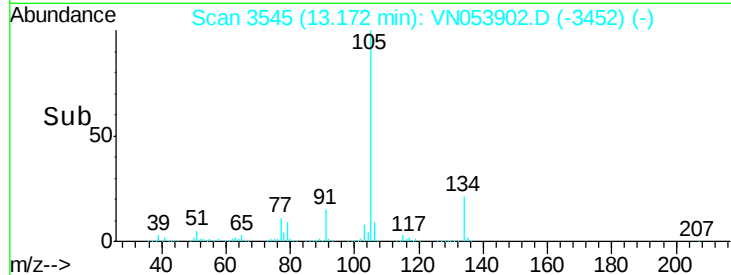
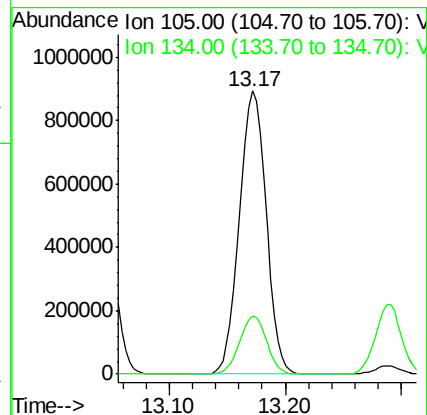
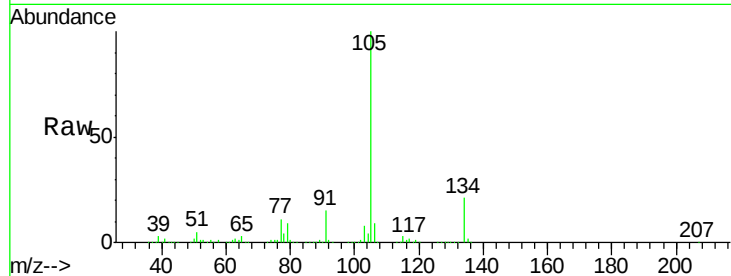
VSTDCCC050EC

Tot Ion:105 Resp: 1429092

Ion Ratio Lower Upper

105 100

134 20.7 10.4 31.1



#86

p-Isopropyltoluene

Concen: 51.164 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

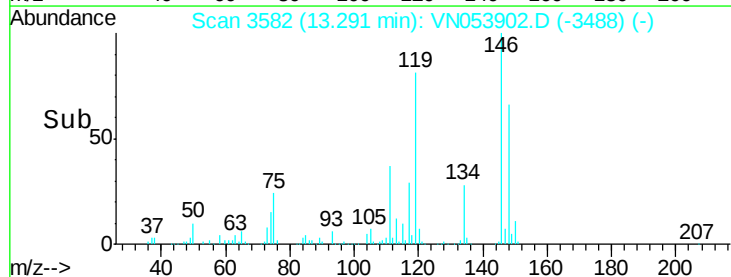
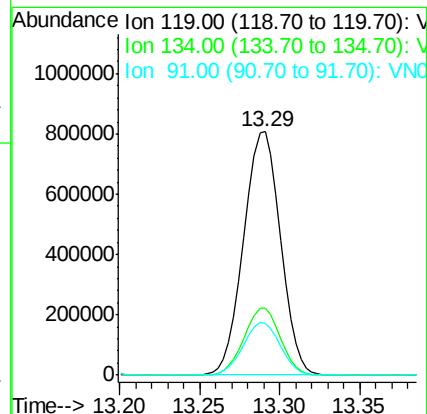
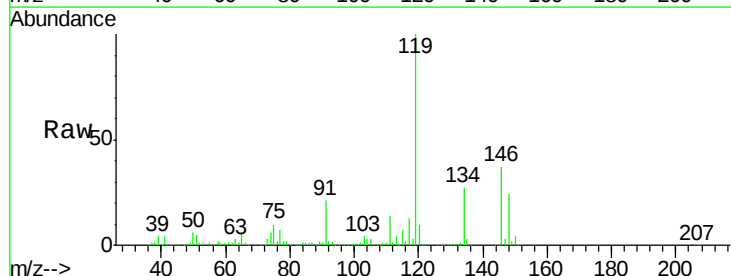
Tgt Ion:119 Resp: 1264757

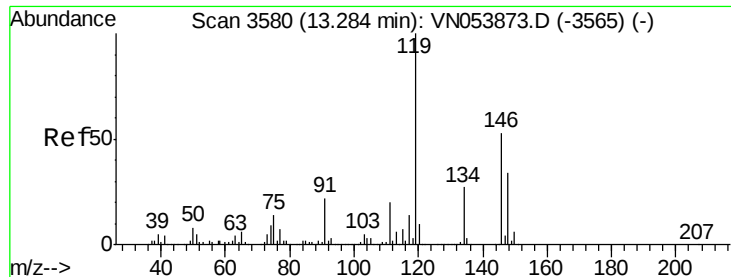
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 21.6 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 49.055 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

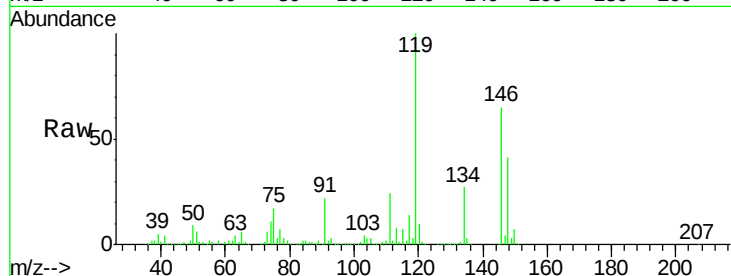
Tot Ion:146 Resp: 651749

Ion Ratio Lower Upper

146 100

111 37.1 18.7 56.1

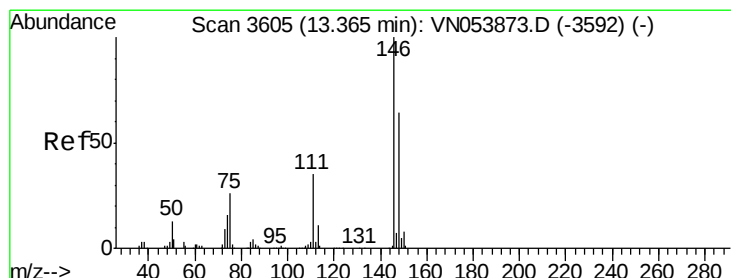
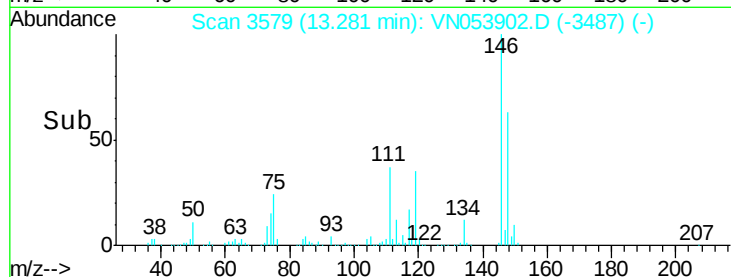
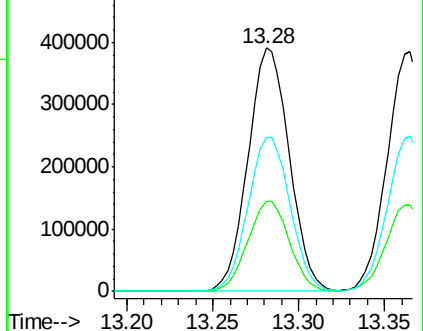
148 64.4 32.0 96.2



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: 47.394 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

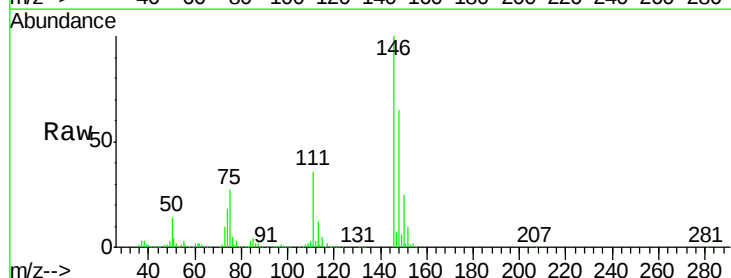
Tgt Ion:146 Resp: 633564

Ion Ratio Lower Upper

146 100

111 36.7 18.0 54.0

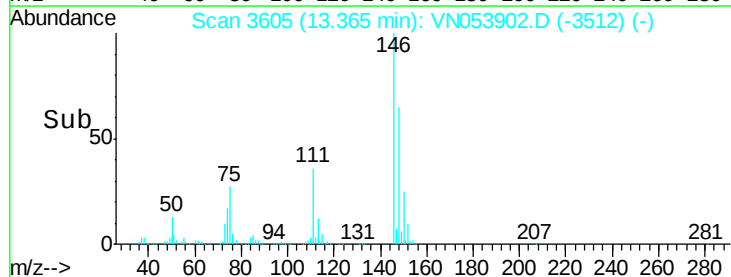
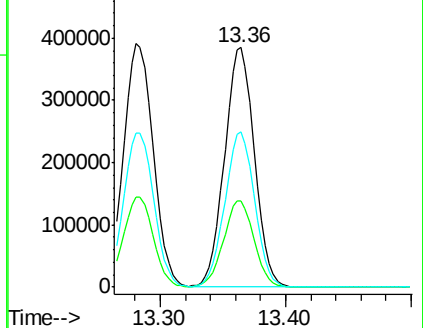
148 64.9 32.1 96.5

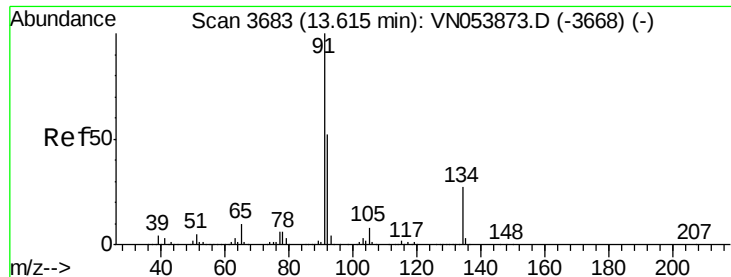


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

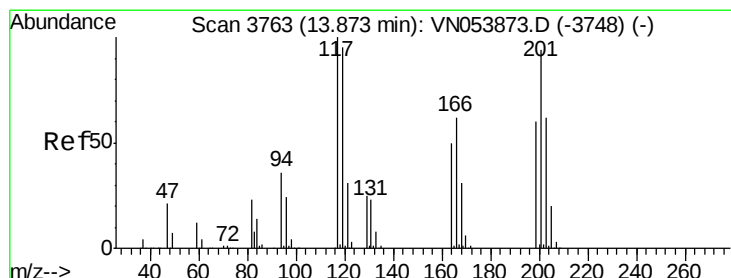
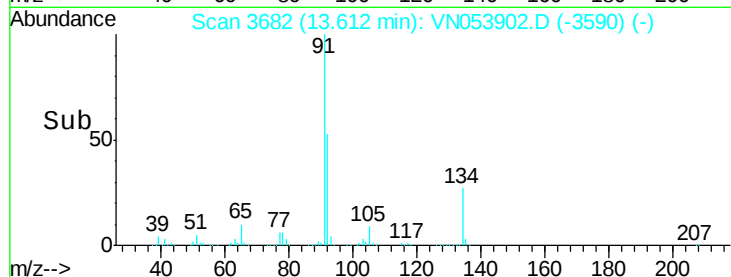
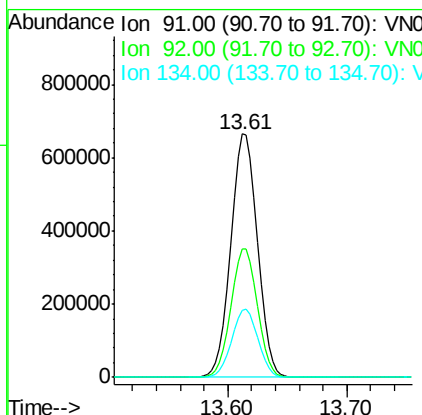
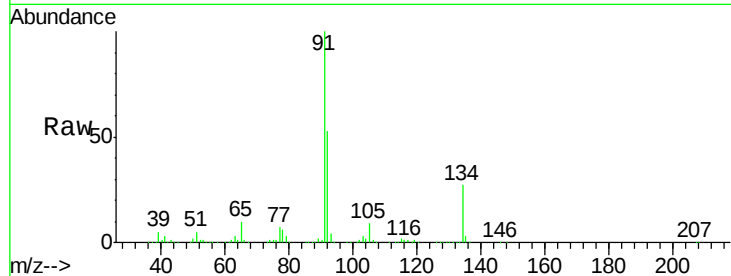




#89
n-Butylbenzene
Concen: 50.677 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

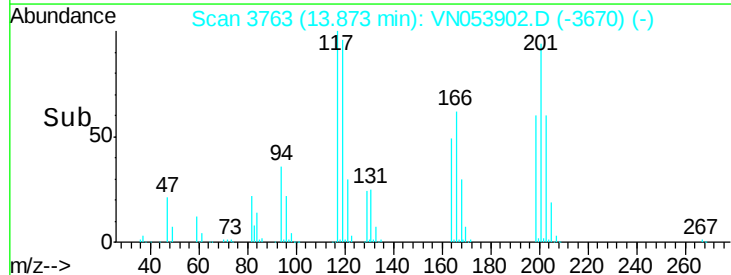
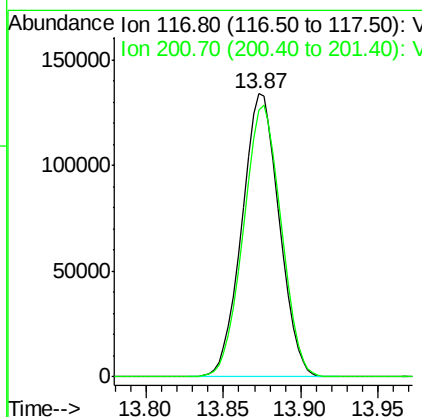
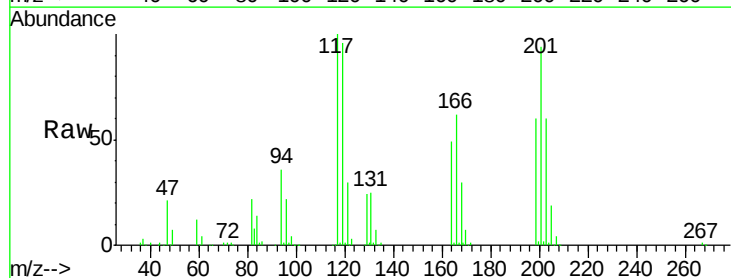
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

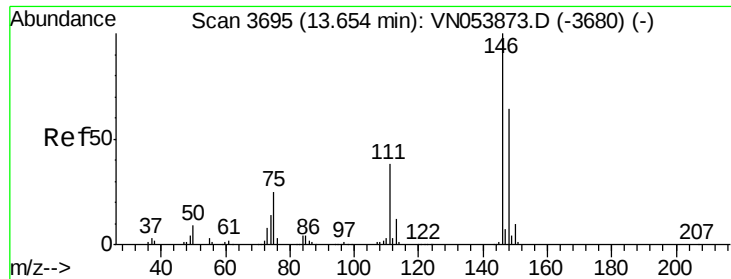
Tot Ion: 91 Resp: 1030164
Ion Ratio Lower Upper
91 100
92 52.4 26.1 78.2
134 27.7 13.6 40.8



#90
Hexachloroethane
Concen: 47.720 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN053902.D
Acq: 21 Feb 2019 19:38

Tgt Ion: 117 Resp: 225355
Ion Ratio Lower Upper
117 100
201 96.7 48.0 144.2

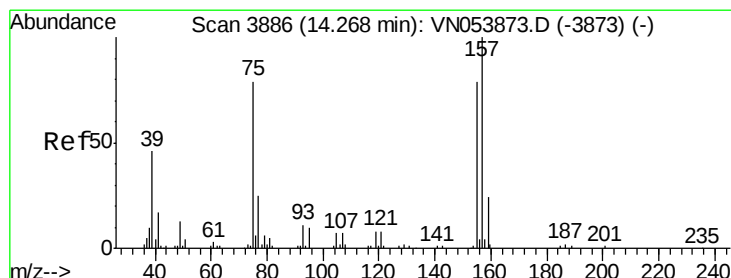
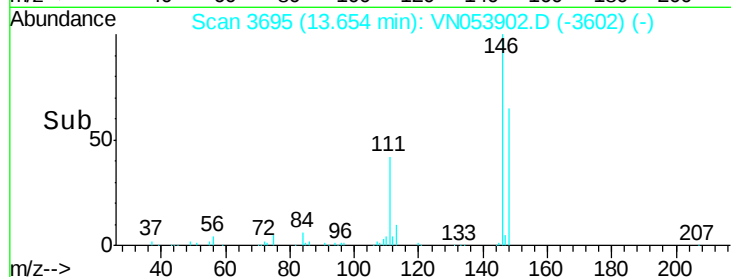
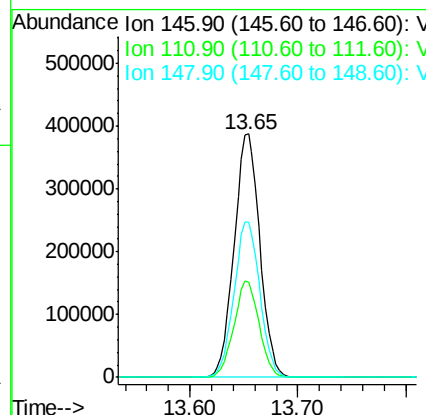
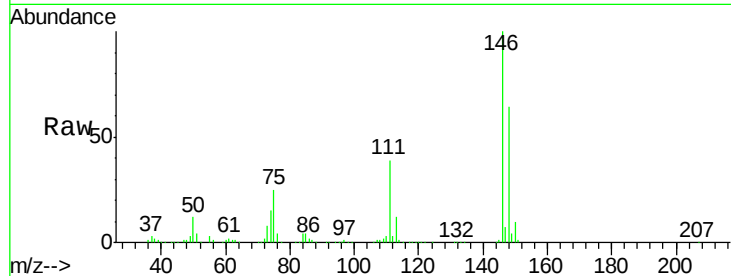




#91
 1,2-Dichlorobenzene
 Concen: 49.482 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

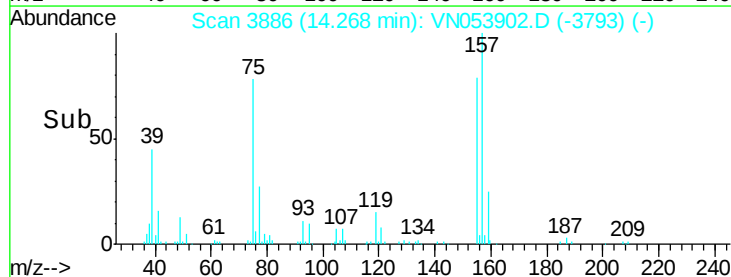
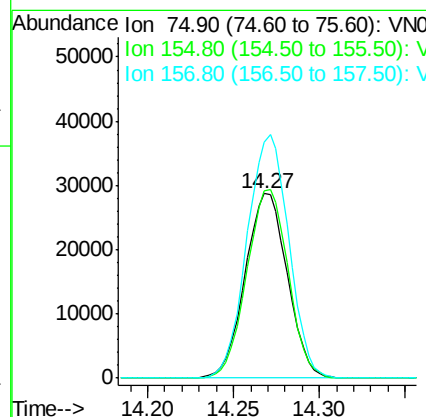
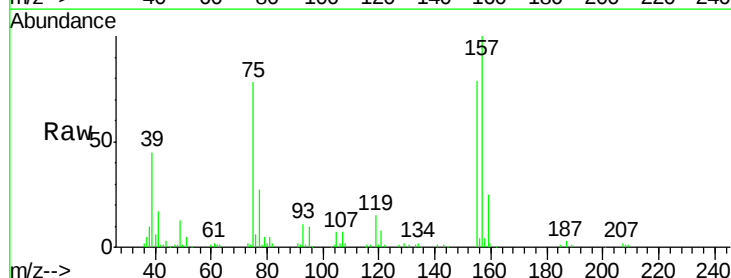
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

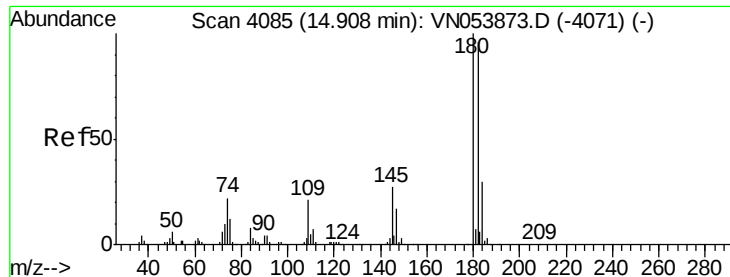
Tot Ion:146 Resp: 644991
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.1 57.5
 148 64.2 32.1 96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.835 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion: 75 Resp: 48797
 Ion Ratio Lower Upper
 75 100
 155 100.1 49.5 148.5
 157 130.6 64.8 194.6

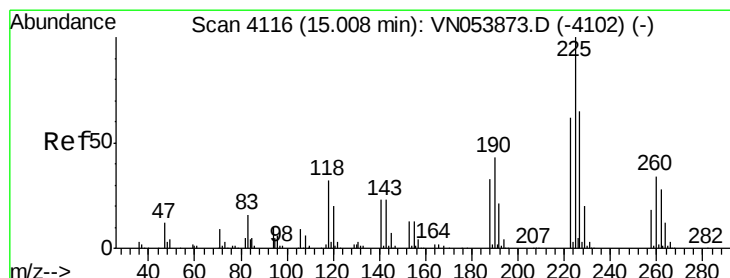
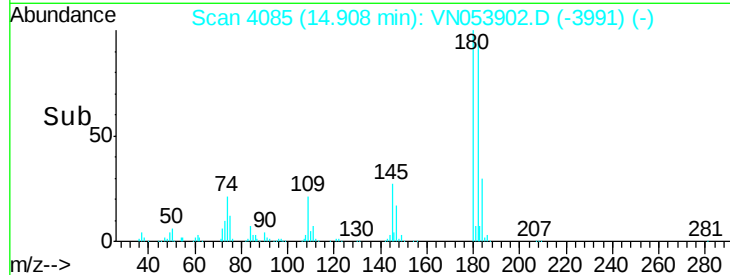
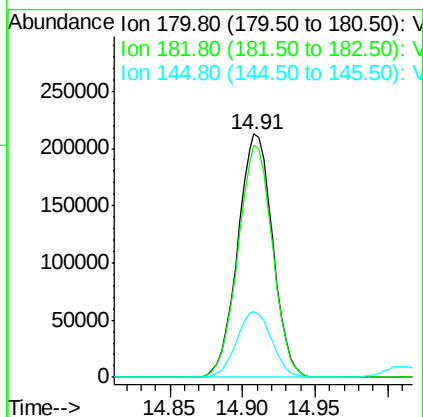
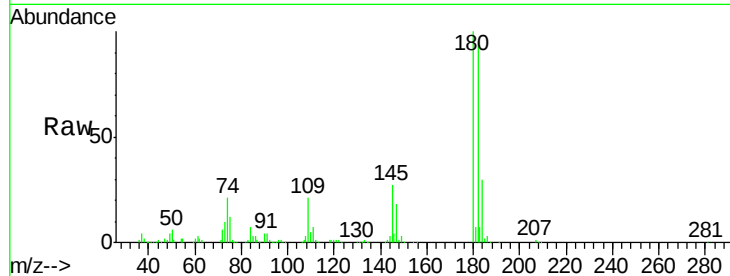




#93
 1,2,4-Trichlorobenzene
 Concen: 45.120 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

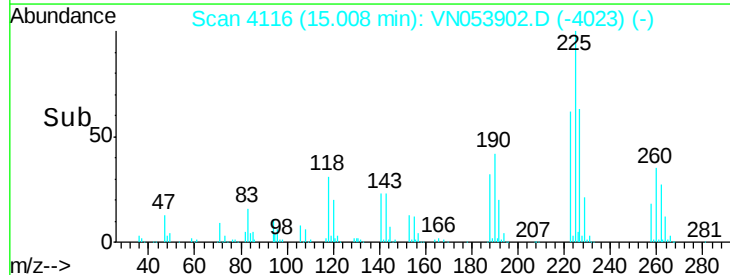
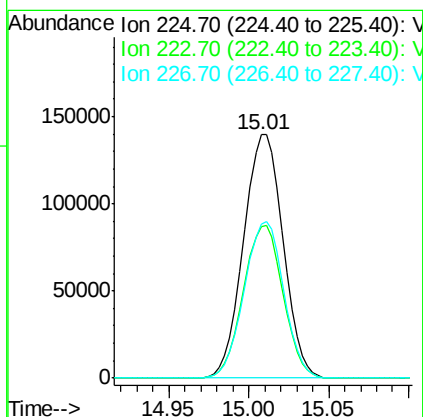
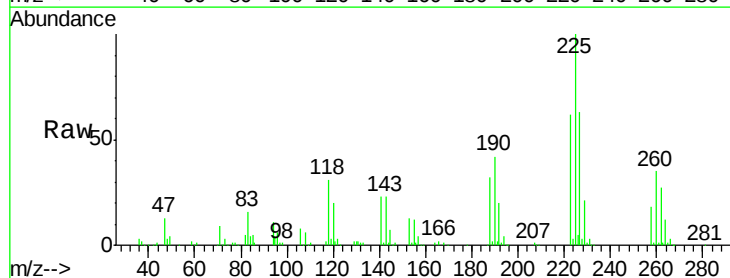
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

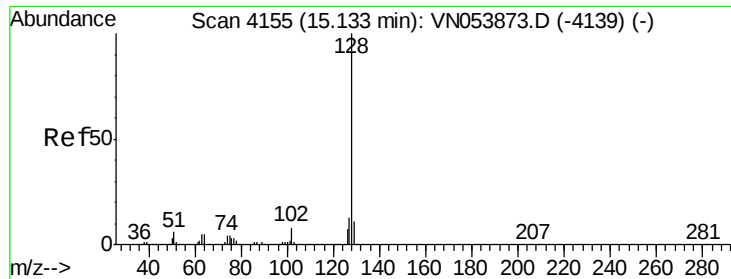
Tot Ion:180 Resp: 353895
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.6 145.9
 145 27.4 13.8 41.3



#94
 Hexachlorobutadiene
 Concen: 43.386 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN053902.D
 Acq: 21 Feb 2019 19:38

Tgt Ion:225 Resp: 235848
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.5
 227 64.1 32.5 97.4





#95

Naphthalene

Concen: 43.518 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

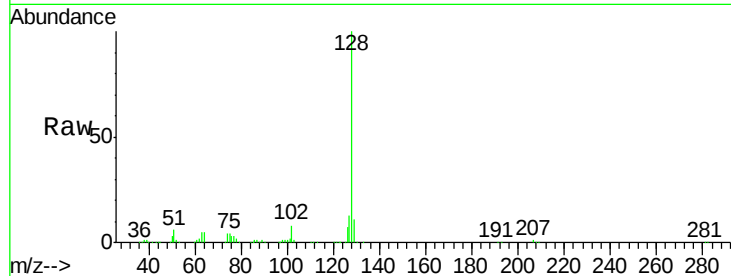
Tot Ion:128 Resp: 685135

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

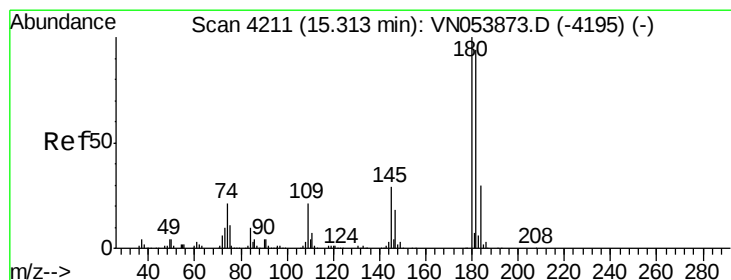
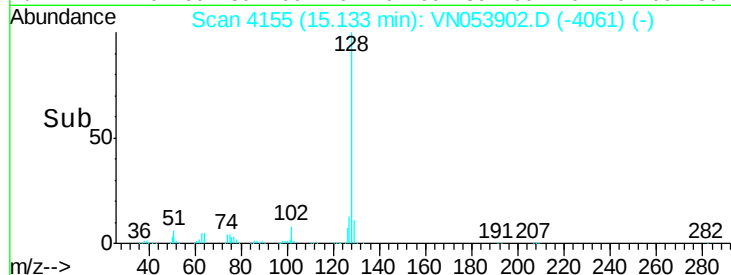
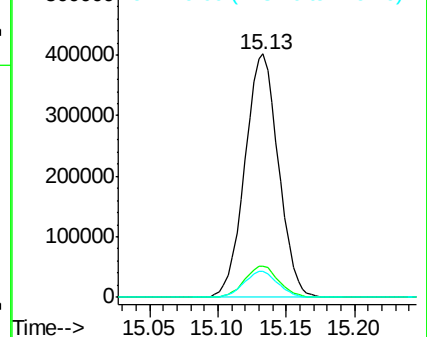
129 10.8 8.6 12.8



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: 46.030 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053902.D

Acq: 21 Feb 2019 19:38

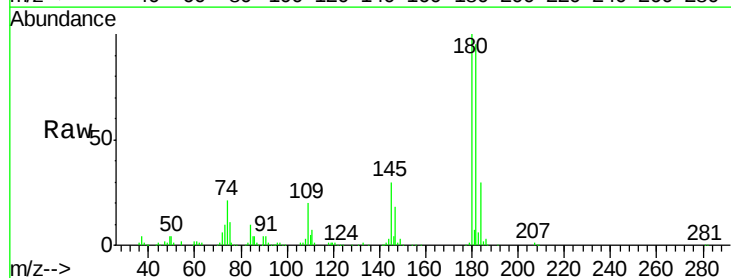
Tgt Ion:180 Resp: 343247

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.8

145 29.1 14.4 43.0



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

