

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113018\
 Data File : VN052617.D
 Acq On : 30 Nov 2018 19:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 01 01:04:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1069975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1678260	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1491492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	690320	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	550770	47.28	ug/l	0.00
Spiked Amount			Recovery	=	94.56%	
35) Dibromofluoromethane	7.59	113	495604	47.90	ug/l	0.00
Spiked Amount			Recovery	=	95.80%	
50) Toluene-d8	10.09	98	1902386	47.24	ug/l	0.00
Spiked Amount			Recovery	=	94.48%	
62) 4-Bromofluorobenzene	12.40	95	654449	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	424434	42.365	ug/l	98
3) Chloromethane	2.06	50	555690	42.020	ug/l	99
4) Vinyl Chloride	2.19	62	582291	42.863	ug/l	99
5) Bromomethane	2.57	94	338865	39.978	ug/l	100
6) Chloroethane	2.71	64	354728	43.108	ug/l	99
7) Trichlorofluoromethane	3.02	101	748378	44.848	ug/l	98
8) Diethyl Ether	3.41	74	288586	46.831	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	469352	45.076	ug/l	99
10) Methyl Iodide	3.96	142	712073	51.346	ug/l	99
11) Tert butyl alcohol	4.78	59	156197	267.811	ug/l	98
12) 1,1-Dichloroethene	3.74	96	448803	44.778	ug/l	99
13) Acrolein	3.61	56	178876	184.910	ug/l	99
14) Allyl chloride	4.33	41	774322	44.825	ug/l	98
15) Acrylonitrile	4.99	53	887503	240.388	ug/l	99
16) Acetone	3.81	43	610679	198.735	ug/l	99
17) Carbon Disulfide	4.06	76	1282743	40.668	ug/l	99
18) Methyl Acetate	4.33	43	432314	49.047	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1293310	48.498	ug/l	98
20) Methylene Chloride	4.55	84	521362	43.357	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	486590	45.456	ug/l	95
22) Diisopropyl ether	5.95	45	1670621	46.041	ug/l	99
23) Vinyl Acetate	5.90	43	5413322	239.522	ug/l	99
24) 1,1-Dichloroethane	5.85	63	943777	45.554	ug/l	100
25) 2-Butanone	6.83	43	995795	228.634	ug/l	96
26) 2,2-Dichloropropane	6.83	77	639545	44.598	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	570550	45.756	ug/l	98
28) Bromochloromethane	7.20	49	435295	46.001	ug/l	96
29) Tetrahydrofuran	7.21	42	664175	236.427	ug/l	99
30) Chloroform	7.37	83	929633	44.975	ug/l	99
31) Cyclohexane	7.66	56	863193	42.995	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	764317	46.670	ug/l	99
36) 1,1-Dichloropropene	7.79	75	709591	44.774	ug/l	98
37) Ethyl Acetate	6.93	43	448876	46.409	ug/l	99
38) Carbon Tetrachloride	7.77	117	666387	46.448	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	848351	44.041	ug/l	98
40) Benzene	8.04	78	2140422	45.318	ug/l	100
41) Methacrylonitrile	7.17	41	256254	48.461	ug/l	97
42) 1,2-Dichloroethane	8.12	62	657304	45.962	ug/l	99
43) Isopropyl Acetate	8.17	43	839495	51.289	ug/l	97
44) Trichloroethene	8.84	130	556242	45.978	ug/l	99
45) 1,2-Dichloropropane	9.12	63	573810	45.697	ug/l	100
46) Dibromomethane	9.21	93	328901	47.315	ug/l	99
47) Bromodichloromethane	9.40	83	705199	46.661	ug/l	98
48) Methyl methacrylate	9.20	41	414950	48.619	ug/l	99
49) 1,4-Dioxane	9.20	88	95778	1081.303	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2283206	248.616	ug/l	100
52) Toluene	10.16	92	1314565	46.845	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	710216	48.847	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	834045	47.869	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	473009	47.920	ug/l	100
56) Ethyl methacrylate	10.43	69	632430	46.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	817548	46.907	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1749054	244.194	ug/l	99
59) 2-Hexanone	10.75	43	1529851	248.206	ug/l	99
60) Dibromochloromethane	10.90	129	524101	48.886	ug/l	99
61) 1,2-Dibromoethane	11.01	107	473799	48.328	ug/l	99
64) Tetrachloroethene	10.63	164	536991	46.437	ug/l	99
65) Chlorobenzene	11.44	112	1437405	46.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	508975	47.597	ug/l	99
67) Ethyl Benzene	11.51	91	2532022	47.014	ug/l	100
68) m/p-Xylenes	11.62	106	1904205	94.976	ug/l	99
69) o-Xylene	11.95	106	933355	47.939	ug/l	99
70) Styrene	11.96	104	1519508	49.000	ug/l	100
71) Bromoform	12.13	173	356042	50.286	ug/l	99
73) Isopropylbenzene	12.25	105	2494036	46.050	ug/l	100
74) N-amyl acetate	12.07	43	713710	52.161	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	574687	46.646	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	721769	67.803	ug/l #	100
77) Bromobenzene	12.53	156	620286	46.336	ug/l	99
78) n-propylbenzene	12.59	91	2857244	46.438	ug/l	100
79) 2-Chlorotoluene	12.68	91	1665406	45.453	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2008224	46.492	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	159547	50.052	ug/l	99
82) 4-Chlorotoluene	12.77	91	1694246	45.881	ug/l	100
83) tert-Butylbenzene	12.99	119	1767778	45.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2029580	46.885	ug/l	100
85) sec-Butylbenzene	13.17	105	2401106	45.780	ug/l	99
86) p-Isopropyltoluene	13.29	119	2076524	46.483	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090248	46.559	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1075804	46.642	ug/l	100
89) n-Butylbenzene	13.62	91	1764765	47.501	ug/l	100
90) Hexachloroethane	13.88	117	342846	45.326	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1057832	47.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88203	50.057	ug/l	96

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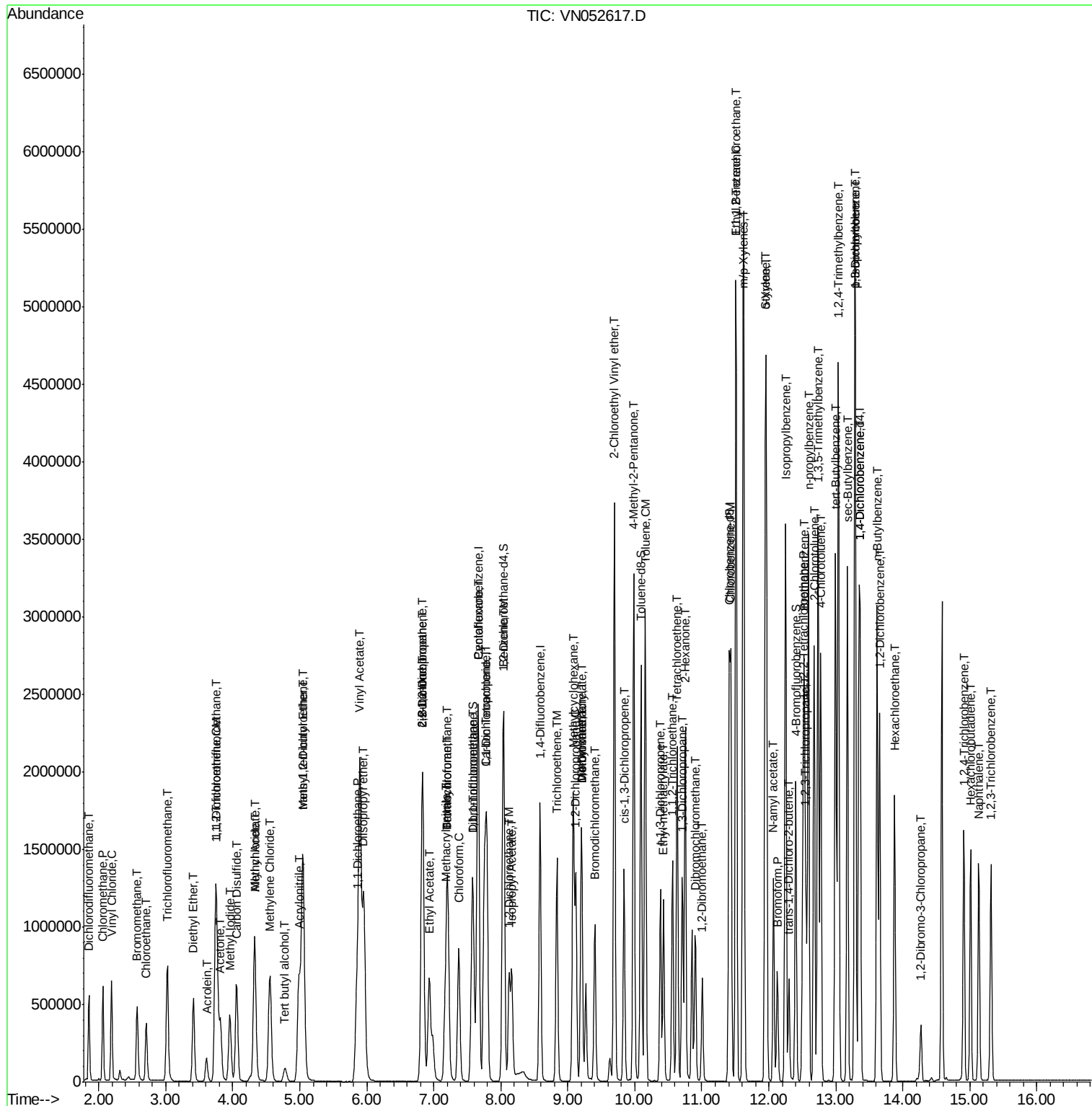
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	555092	45.560	ug/l	100
94) Hexachlorobutadiene	15.01	225	316460	43.970	ug/l	99
95) Naphthalene	15.13	128	1199688	46.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	512558	45.733	ug/l	99

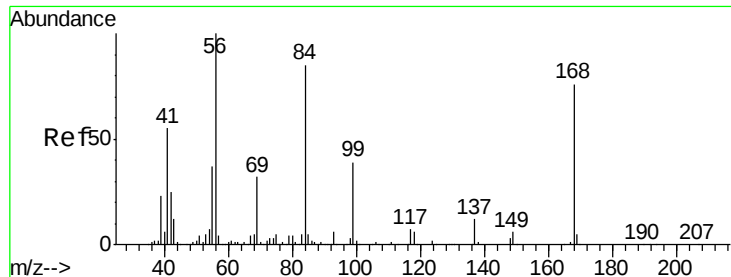
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

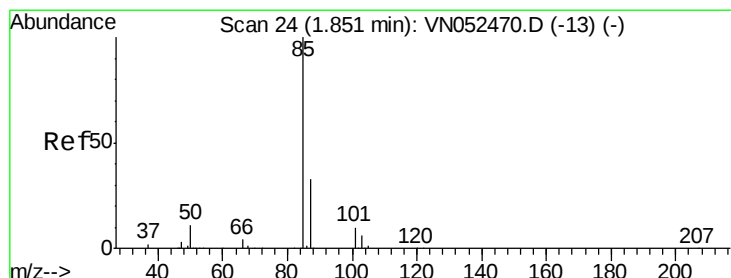
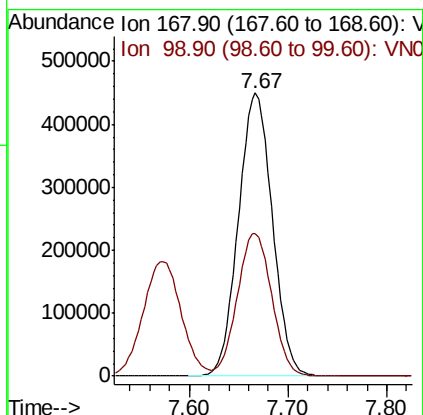
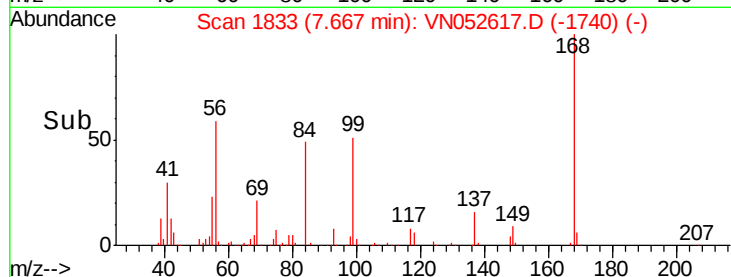
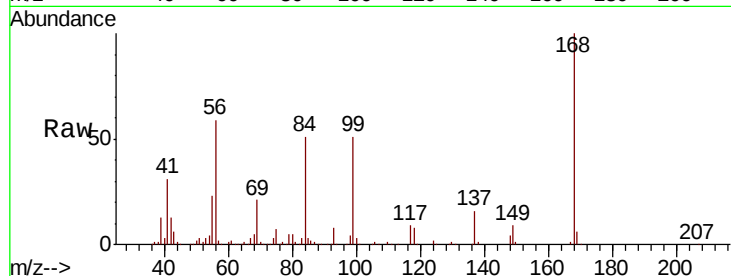
VSTDCCC050EC

Tot Ion:168 Resp: 1069975

Ion Ratio Lower Upper

168 100

99 50.5 41.7 62.5



#2

Dichlorodifluoromethane

Concen: 42.365 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052617.D

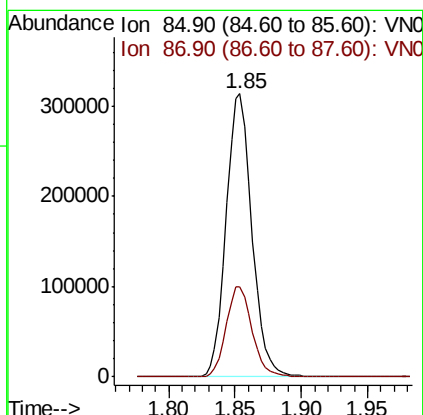
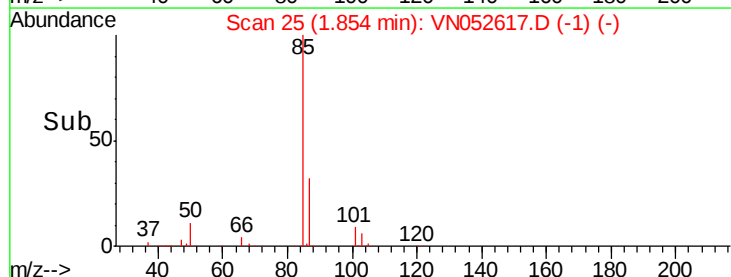
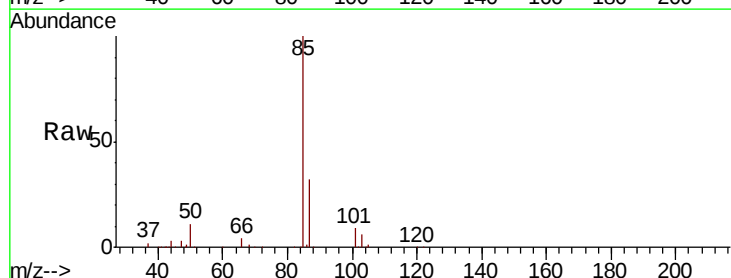
Acq: 30 Nov 2018 19:48

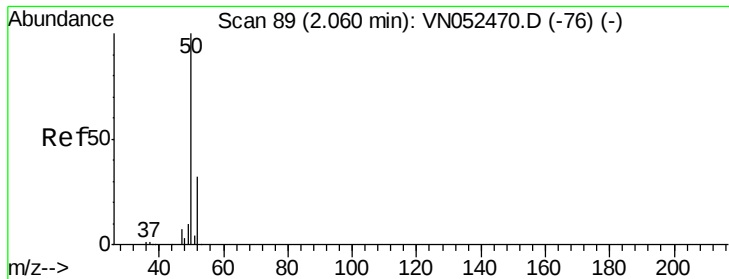
Tgt Ion: 85 Resp: 424434

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.1





#3

Chloromethane

Concen: 42.020 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

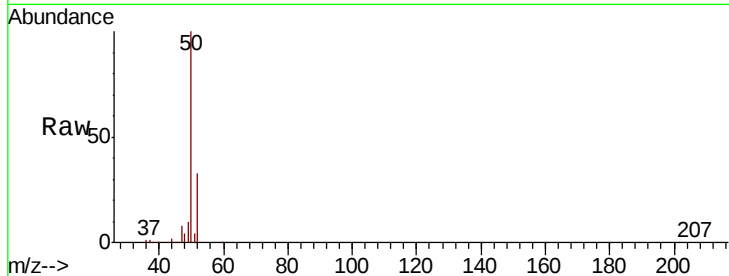
VSTDCCC050EC

Tot Ion: 50 Resp: 555690

Ion Ratio Lower Upper

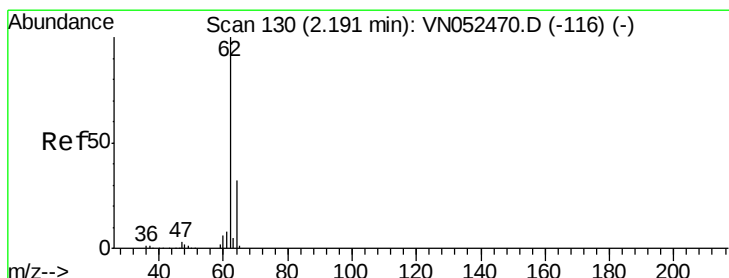
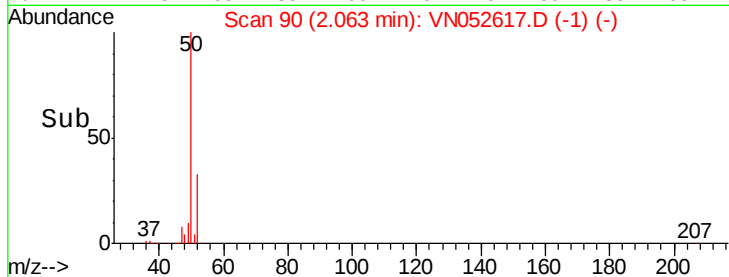
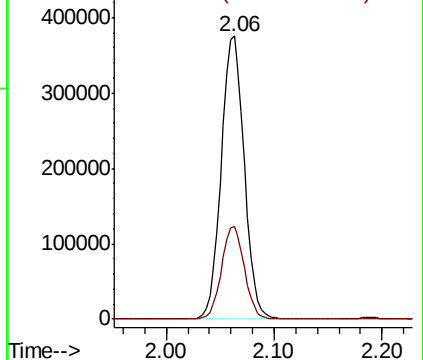
50 100

52 33.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 42.863 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052617.D

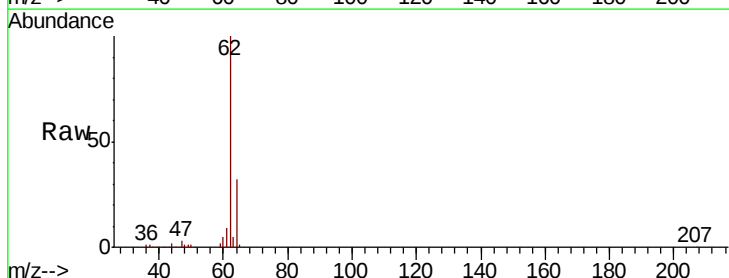
Acq: 30 Nov 2018 19:48

Tgt Ion: 62 Resp: 582291

Ion Ratio Lower Upper

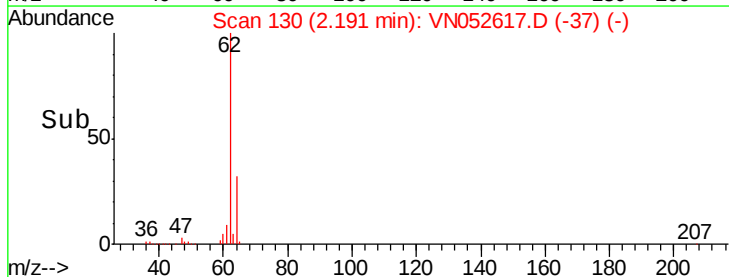
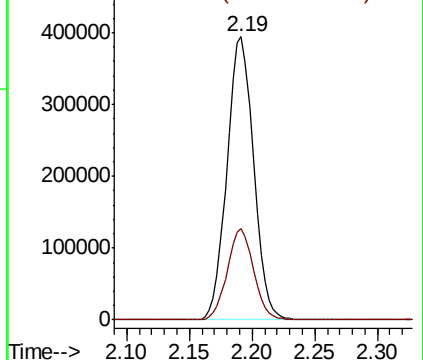
62 100

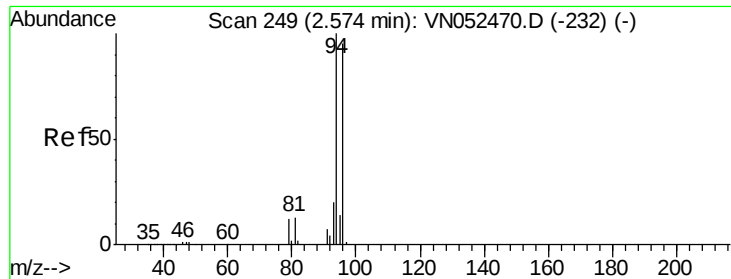
64 32.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 39.978 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

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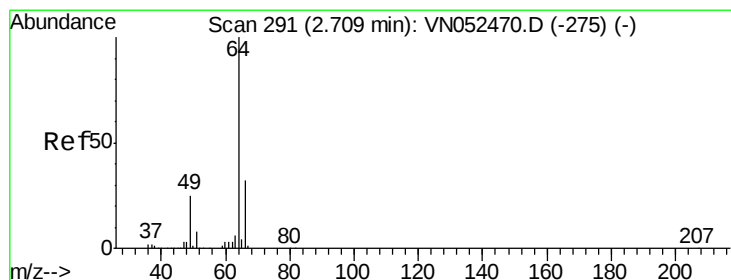
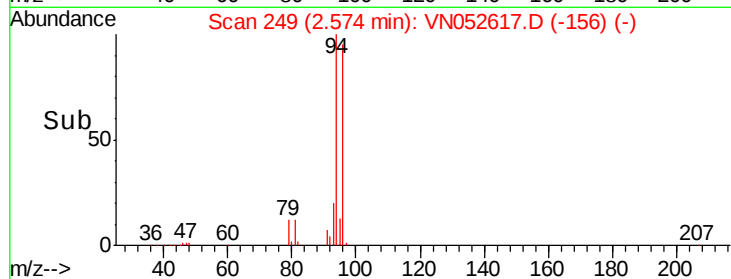
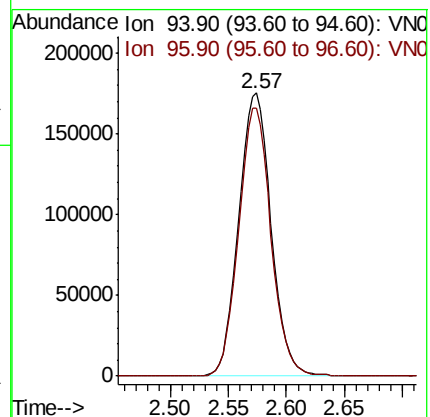
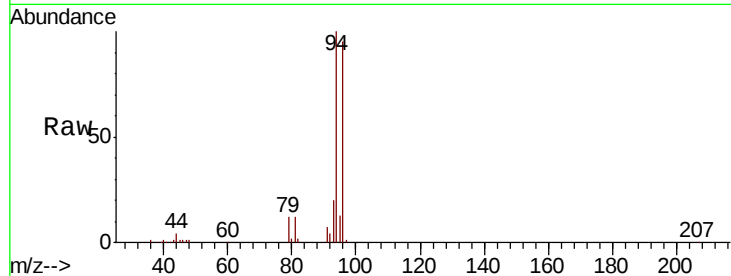
VSTDCCC050EC

Tot Ion: 94 Resp: 338865

Ion Ratio Lower Upper

94 100

96 94.9 75.8 113.8



#6

Chloroethane

Concen: 43.108 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052617.D

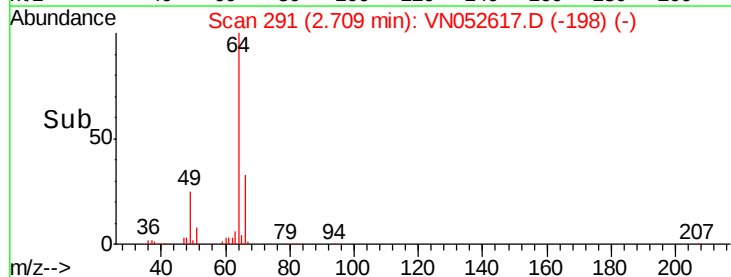
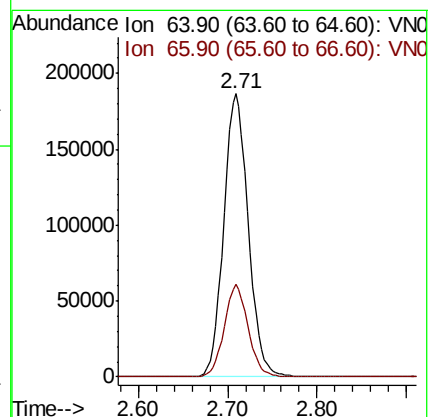
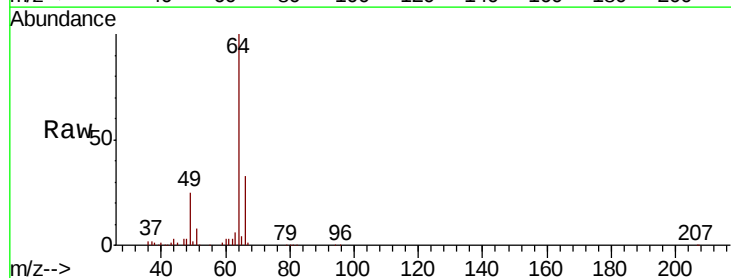
Acq: 30 Nov 2018 19:48

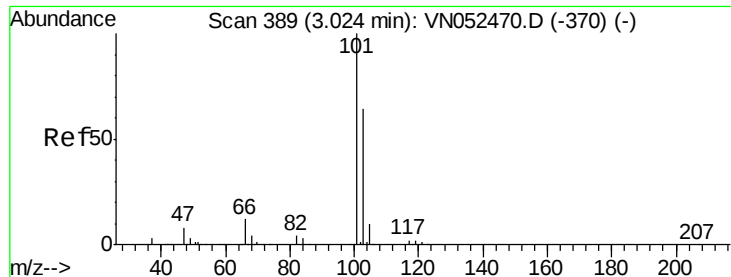
Tgt Ion: 64 Resp: 354728

Ion Ratio Lower Upper

64 100

66 32.6 25.7 38.5



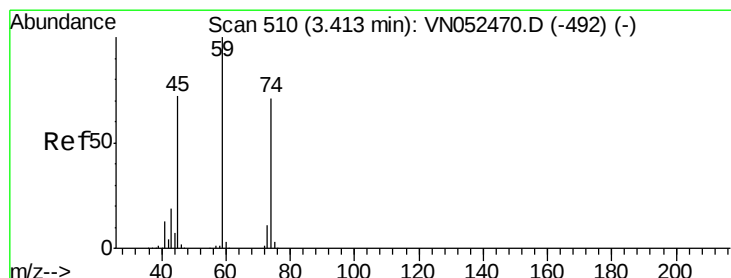
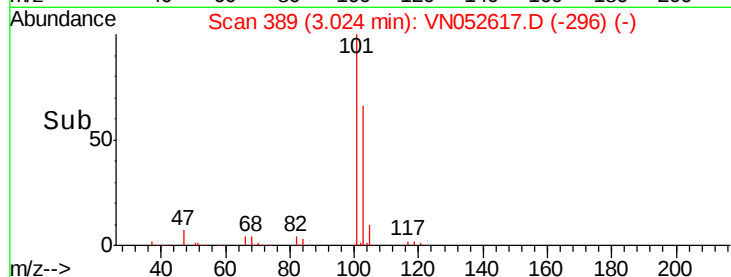
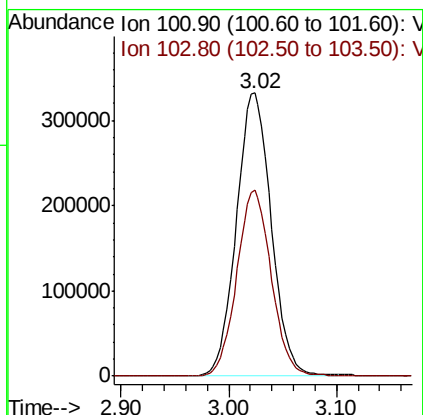
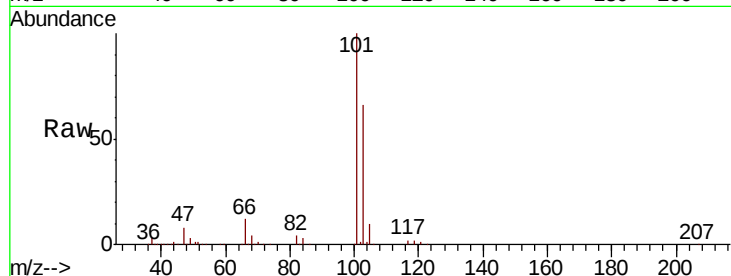


#7

Trichlorofluoromethane
 Concen: 44.848 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052617.D
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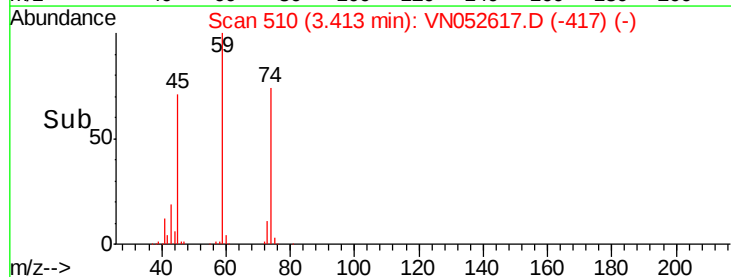
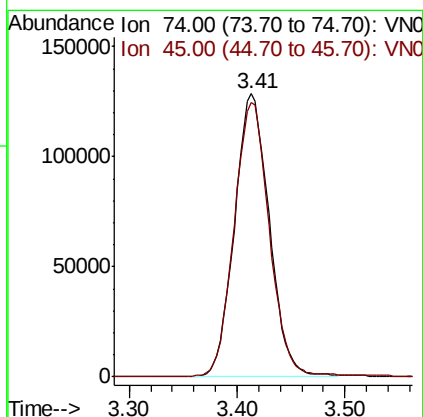
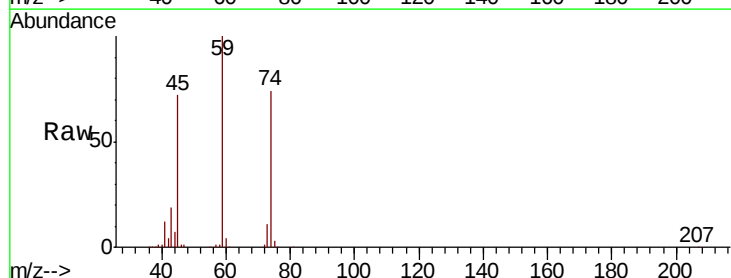
Tot Ion:101 Resp: 748378
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.4 77.2

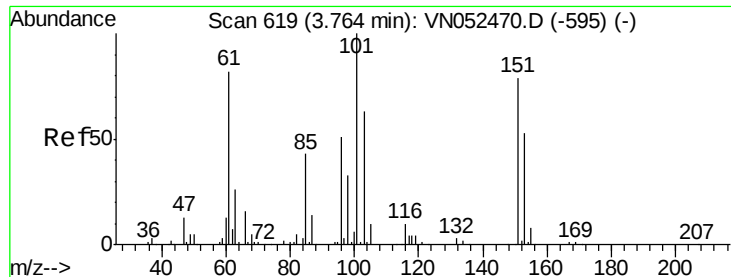


#8

Diethyl Ether
 Concen: 46.831 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 74 Resp: 288586
 Ion Ratio Lower Upper
 74 100
 45 98.4 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.076 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052617.D

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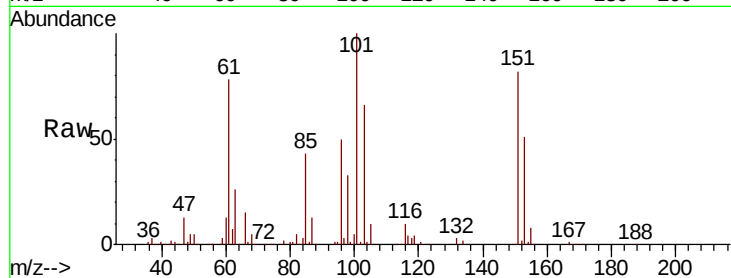
Tot Ion:101 Resp: 469352

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

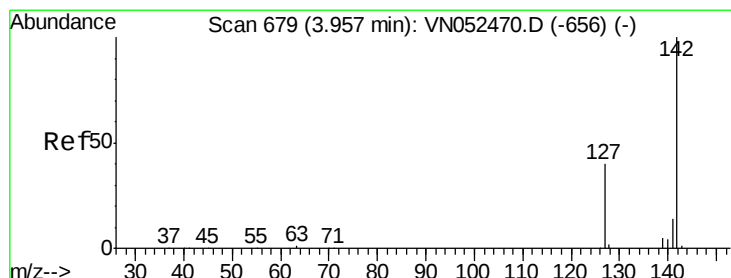
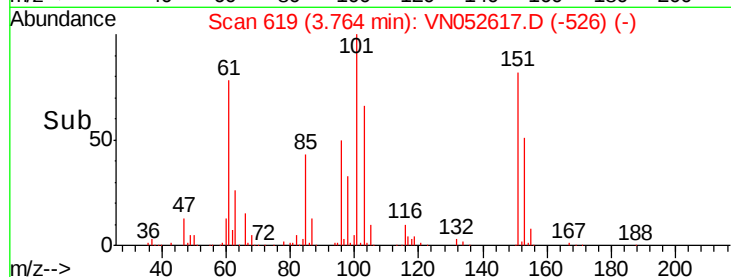
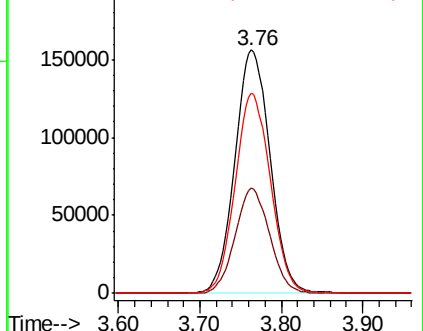
151 82.1 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.346 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

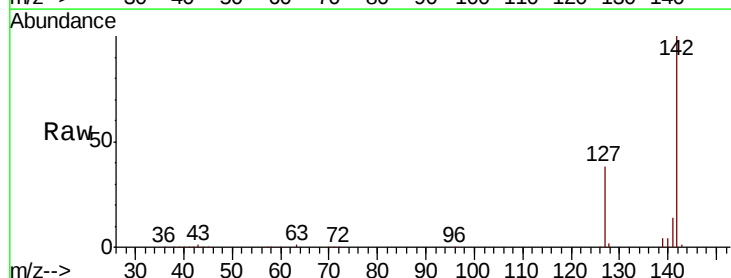
Tgt Ion:142 Resp: 712073

Ion Ratio Lower Upper

142 100

127 38.7 31.8 47.6

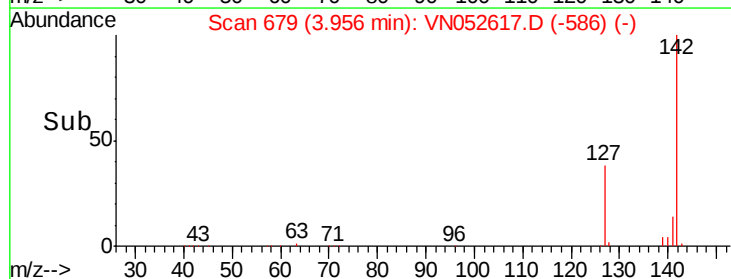
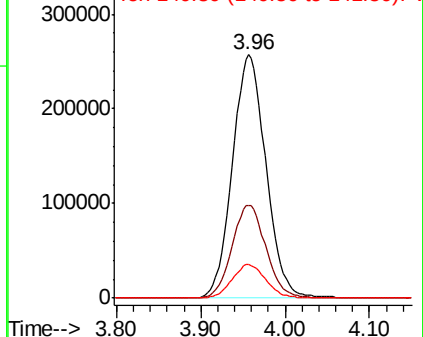
141 14.0 11.4 17.0

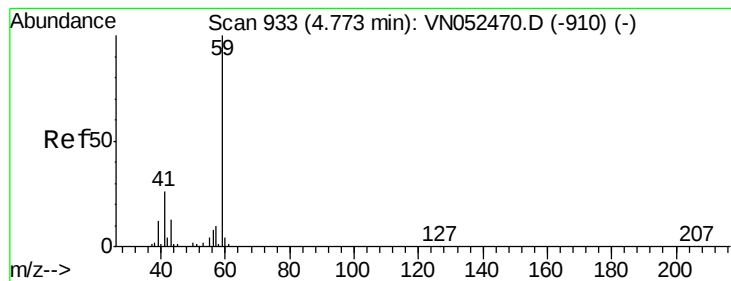


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



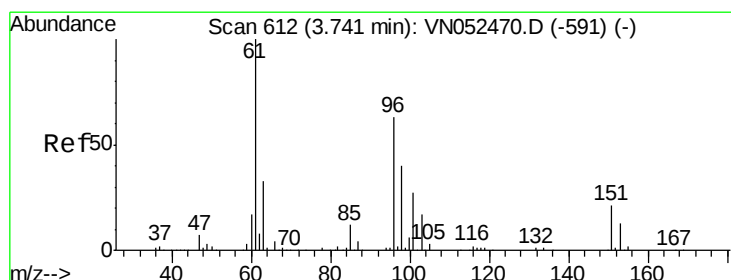
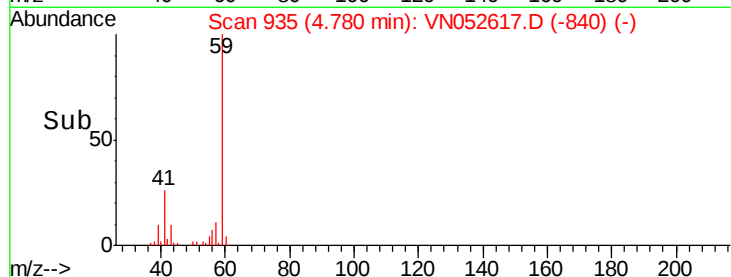
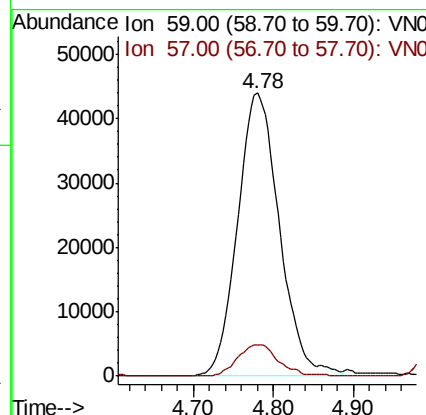
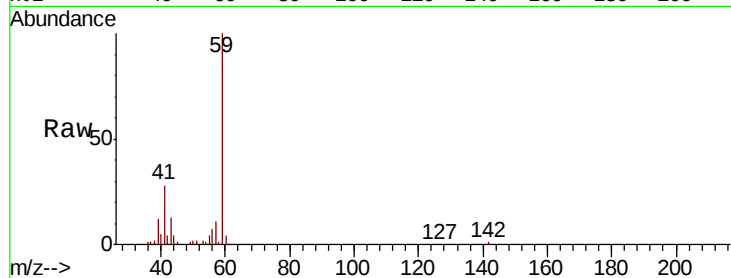


#11

Tert butyl alcohol
 Concen: 267.811 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

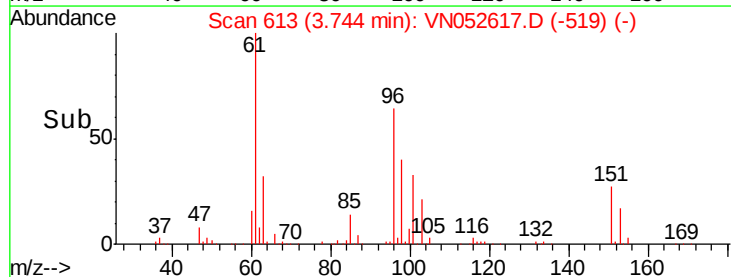
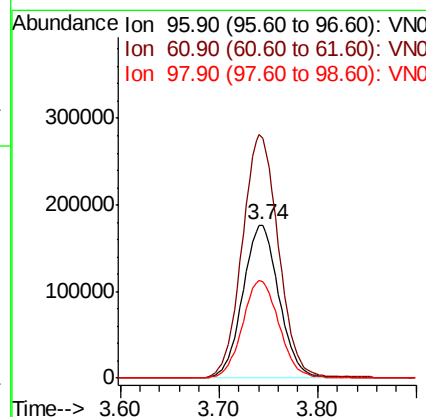
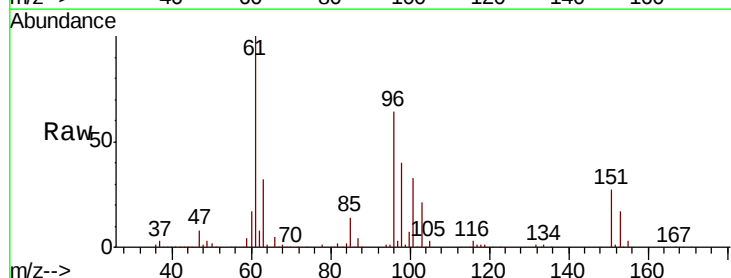
Tot Ion: 59 Resp: 156197
 Ion Ratio Lower Upper
 59 100
 57 10.7 7.9 11.9

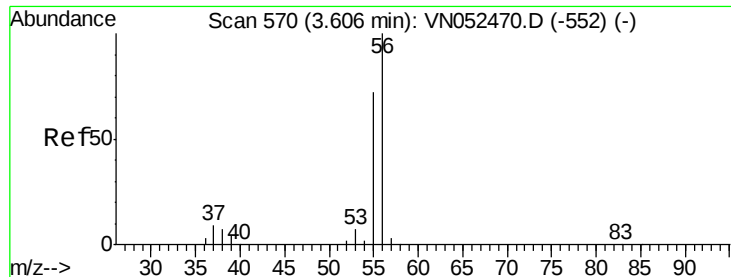


#12

1,1-Dichloroethene
 Concen: 44.778 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 96 Resp: 448803
 Ion Ratio Lower Upper
 96 100
 61 157.0 127.0 190.6
 98 63.2 50.3 75.5





#13

Acrolein

Concen: 184.910 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

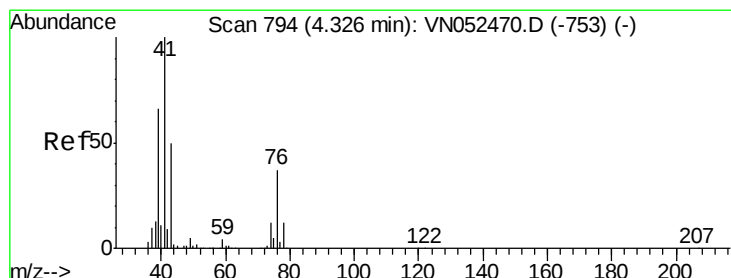
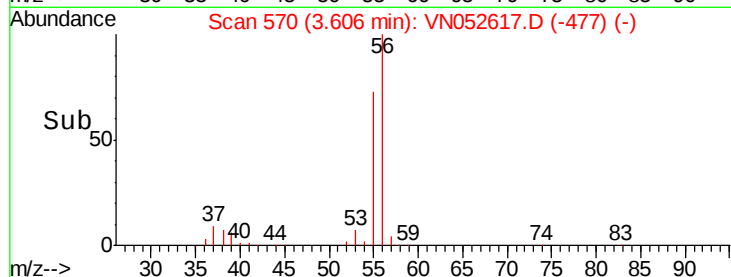
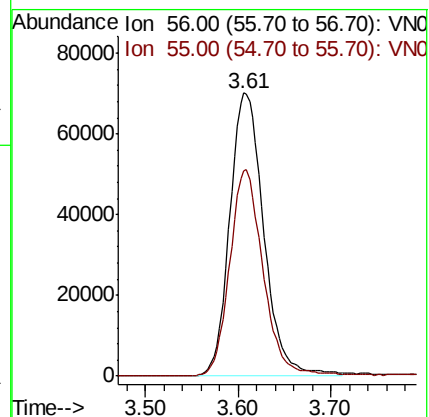
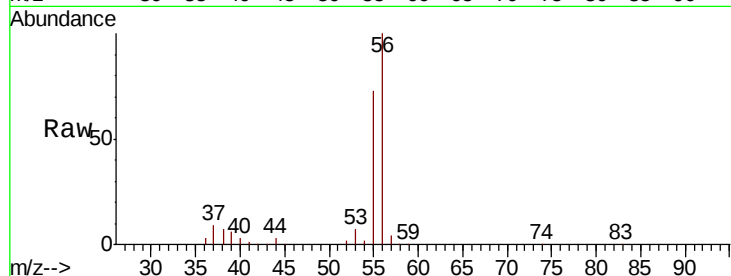
VSTDCCC050EC

Tot Ion: 56 Resp: 178876

Ion Ratio Lower Upper

56 100

55 71.8 56.8 85.2



#14

Allyl chloride

Concen: 44.825 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

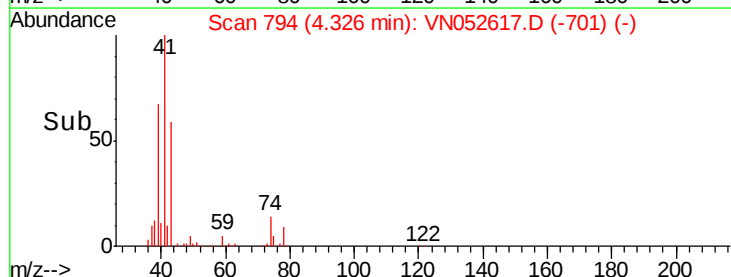
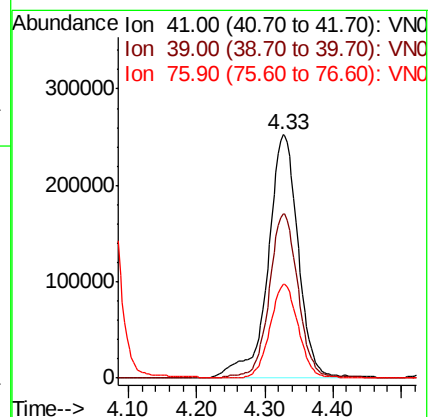
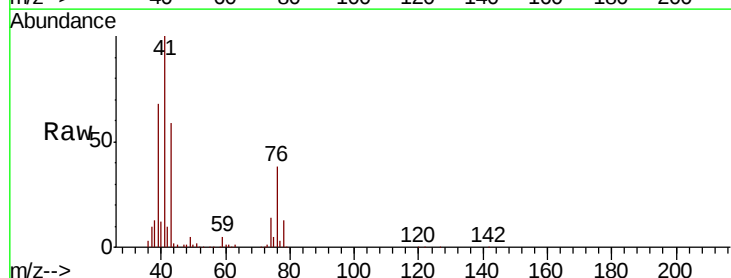
Tgt Ion: 41 Resp: 774322

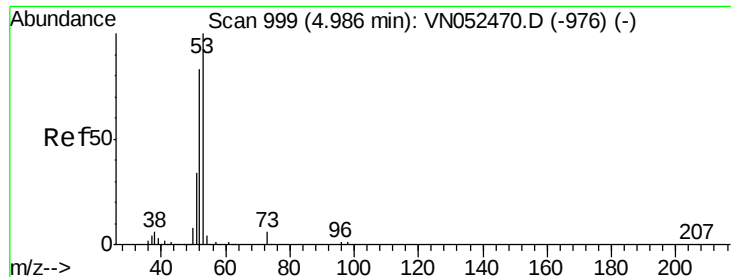
Ion Ratio Lower Upper

41 100

39 64.7 50.6 76.0

76 35.5 27.4 41.2





#15

Acrylonitrile

Concen: 240.388 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

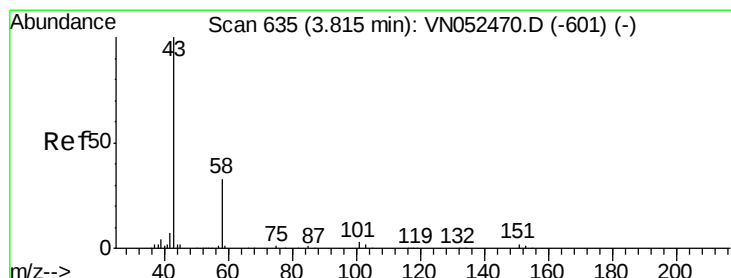
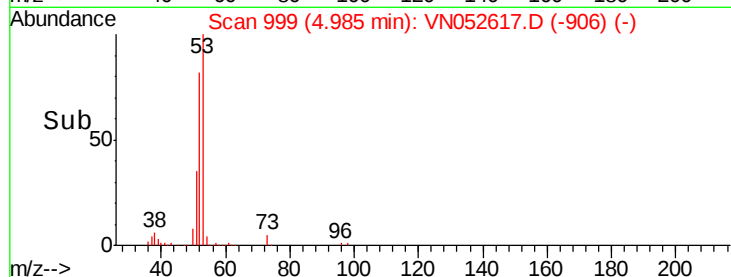
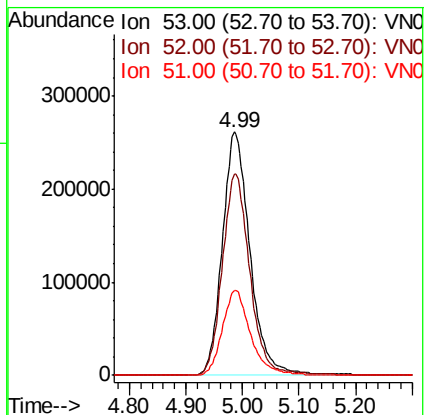
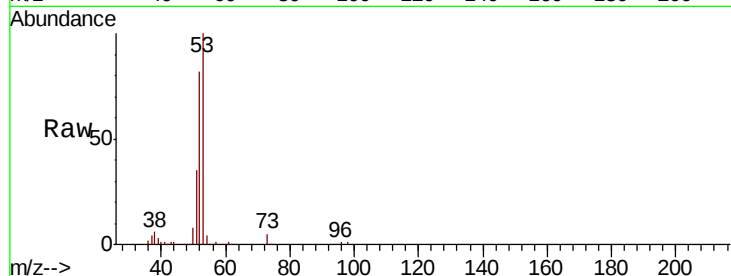
Tot Ion: 53 Resp: 887503

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

51 35.7 28.1 42.1



#16

Acetone

Concen: 198.735 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052617.D

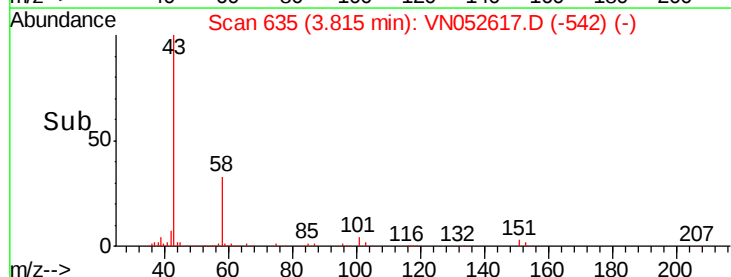
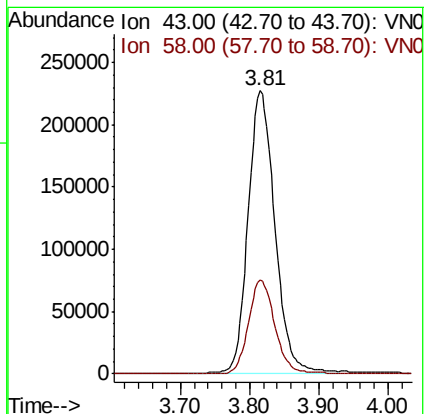
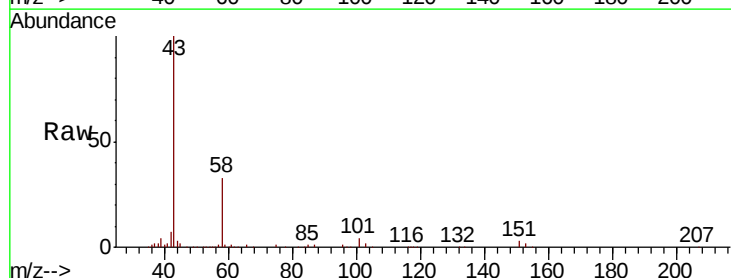
Acq: 30 Nov 2018 19:48

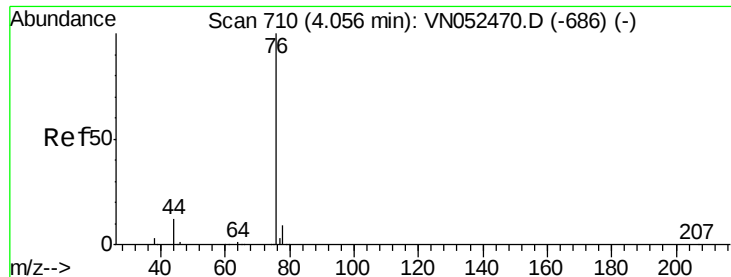
Tgt Ion: 43 Resp: 610679

Ion Ratio Lower Upper

43 100

58 33.2 26.0 39.0

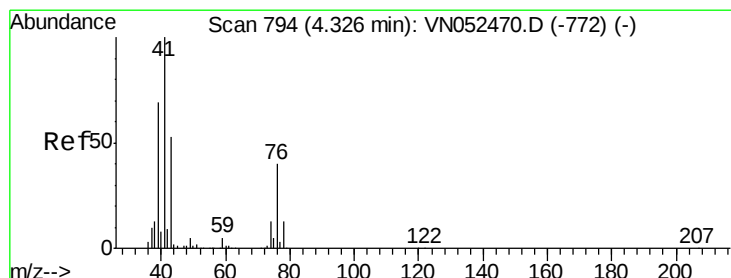
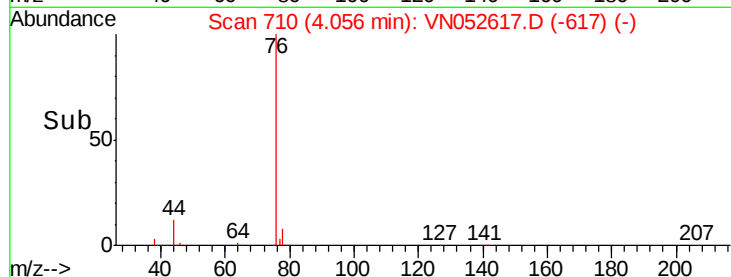
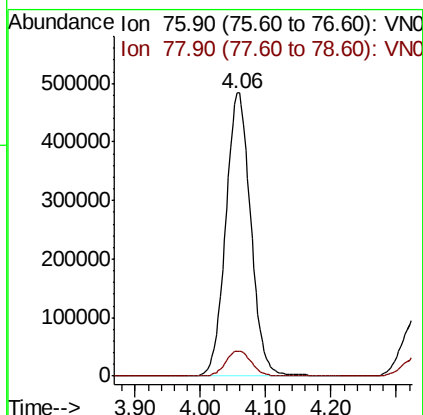
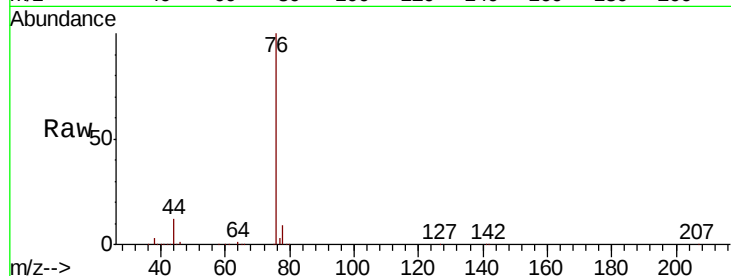




#17
Carbon Disulfide
Concen: 40.668 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

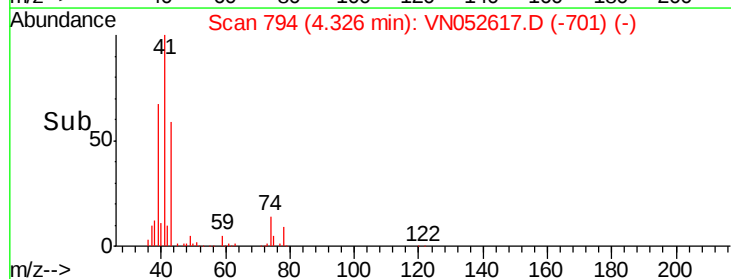
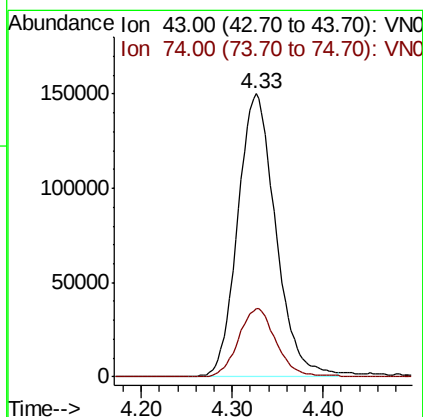
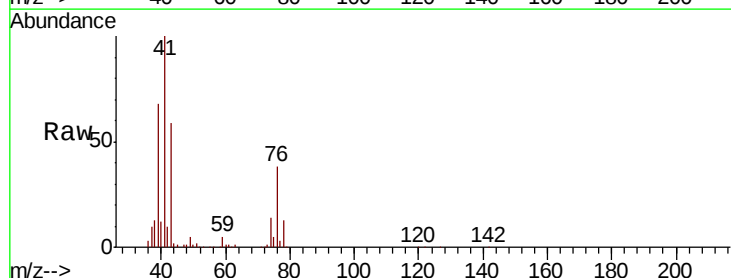
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

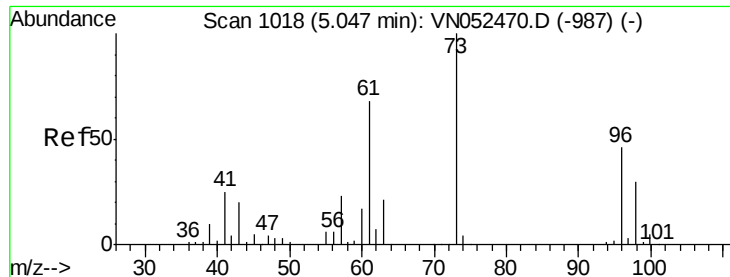
Tot Ion: 76 Resp: 1282743
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: 49.047 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 43 Resp: 432314
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 48.498 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

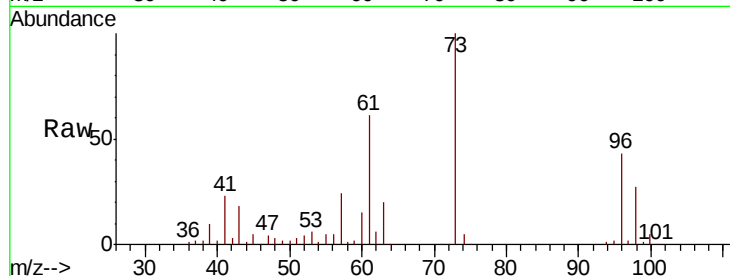
VSTDCCC050EC

Tot Ion: 73 Resp: 1293310

Ion Ratio Lower Upper

73 100

57 23.5 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-987) (-)

5.05

400000

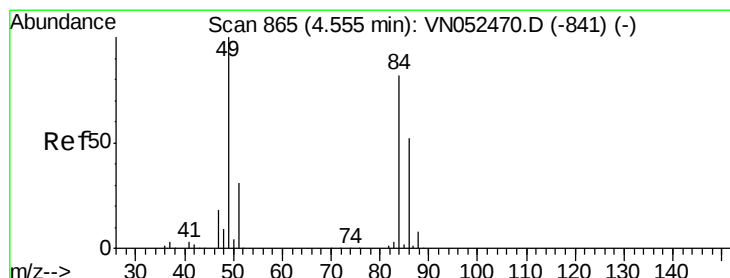
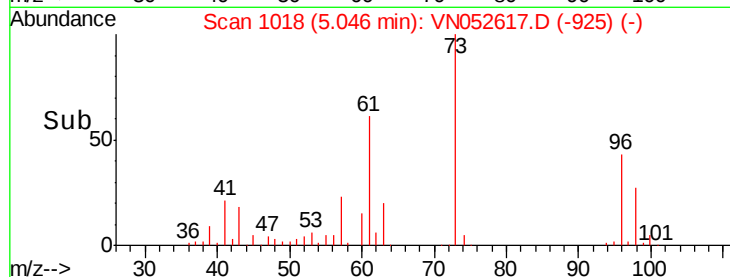
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 43.357 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Tgt Ion: 84 Resp: 521362

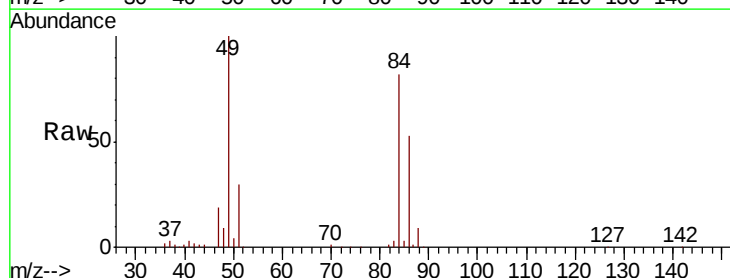
Ion Ratio Lower Upper

84 100

49 122.5 98.0 147.0

51 37.3 30.1 45.1

86 65.1 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

4.55

300000

250000

200000

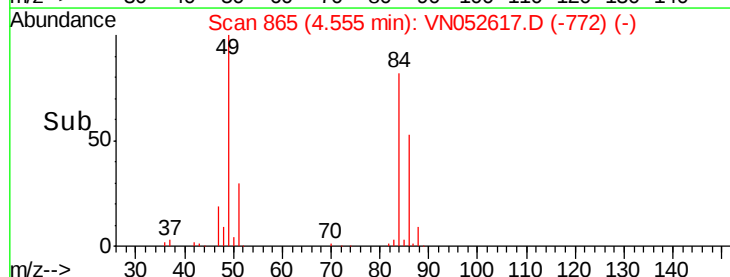
150000

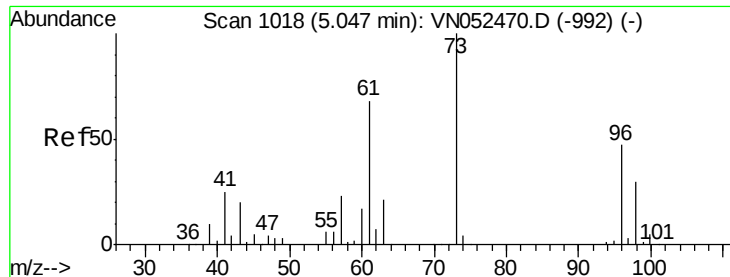
100000

50000

0

Time-->

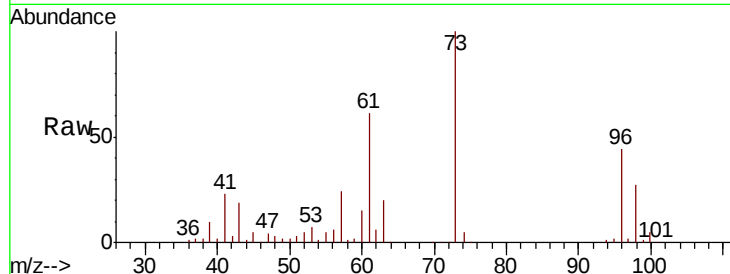




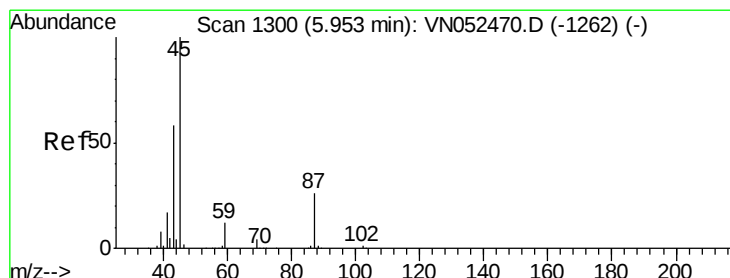
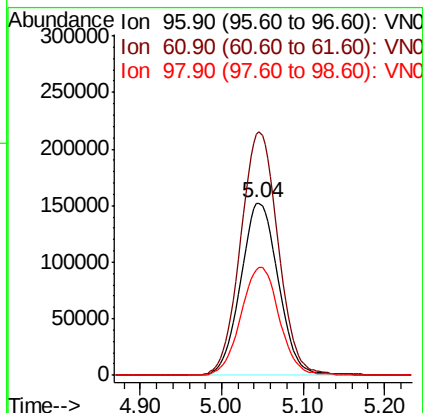
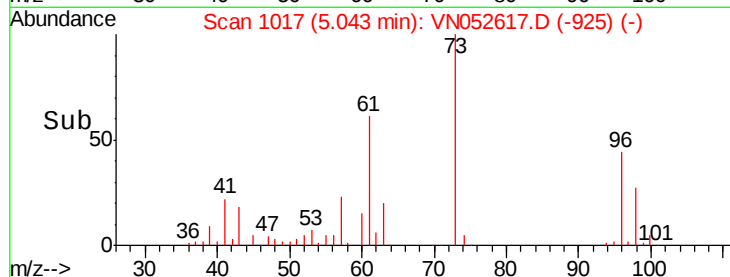
#21
trans-1,2-Dichloroethene
Concen: 45.456 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 486590
Ion Ratio Lower Upper
96 100
61 139.8 117.0 175.4
98 61.6 51.8 77.6

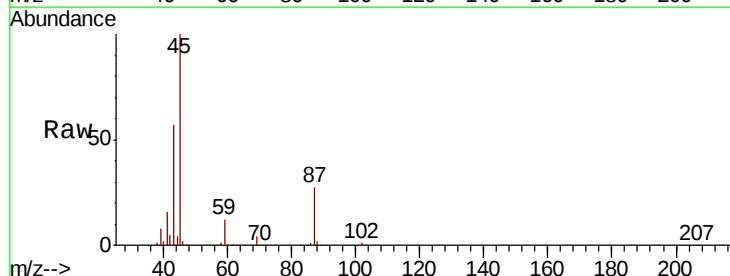


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

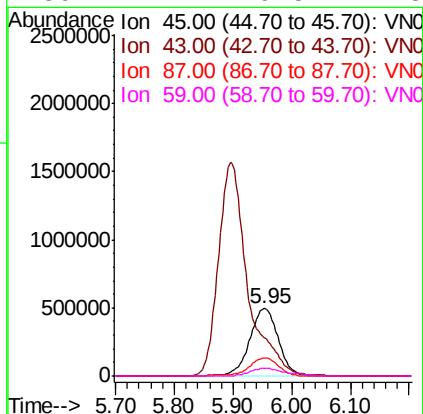
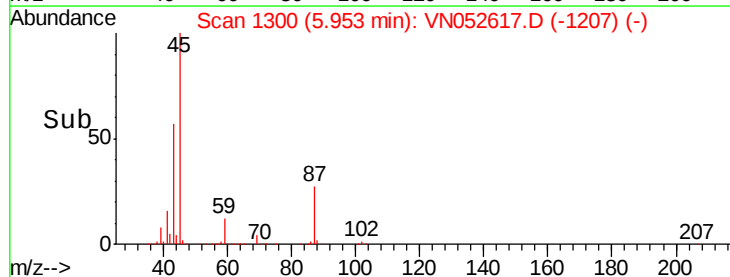


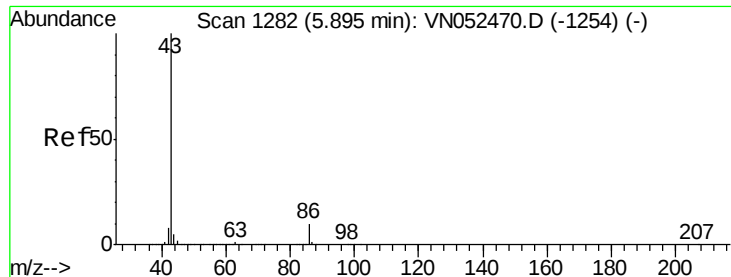
#22
Diisopropyl ether
Concen: 46.041 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 45 Resp: 1670621
Ion Ratio Lower Upper
45 100
43 56.9 46.1 69.1
87 27.0 21.3 31.9
59 11.7 9.5 14.3



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





#23

Vinyl Acetate

Concen: 239.522 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

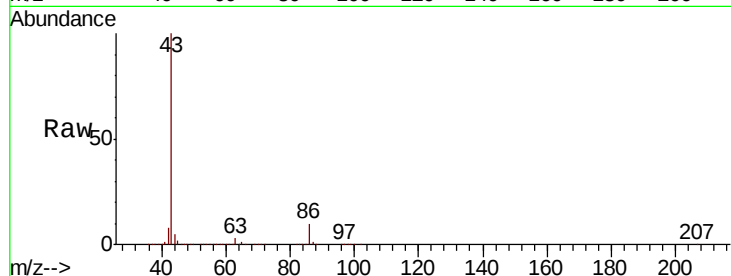
VSTDCCC050EC

Tot Ion: 43 Resp: 5413322

Ion Ratio Lower Upper

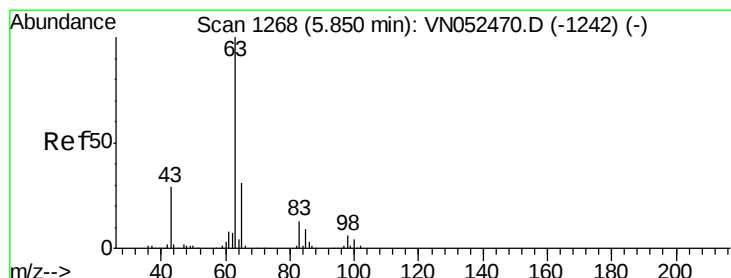
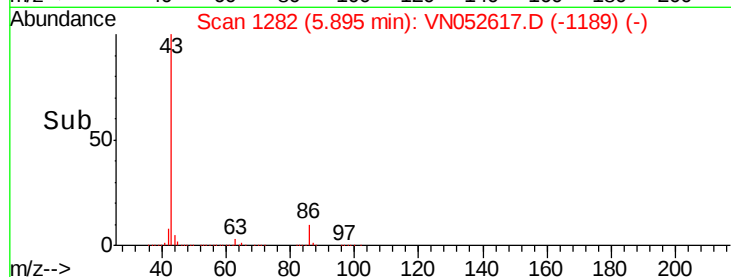
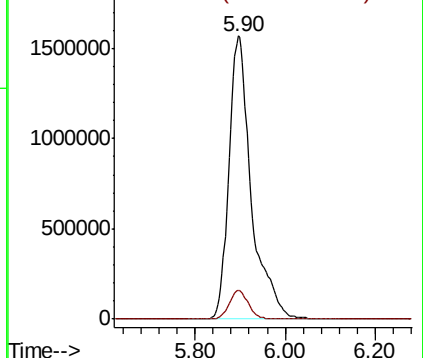
43 100

86 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.554 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

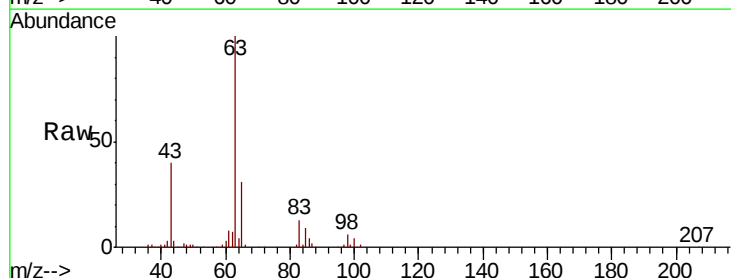
Tgt Ion: 63 Resp: 943777

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

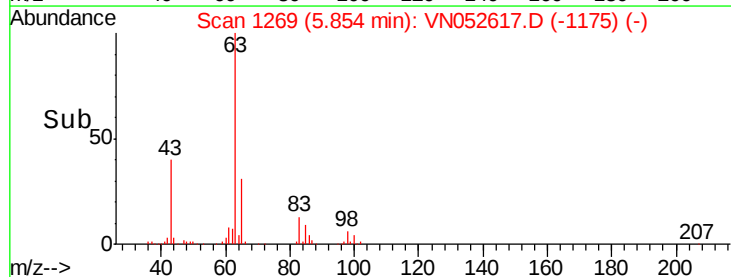
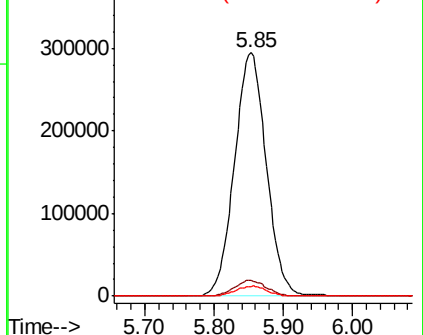
100 4.1 2.0 5.8

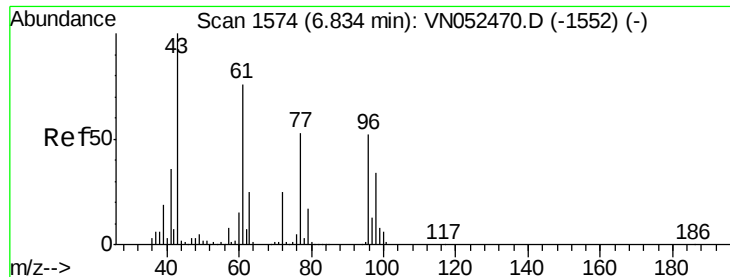


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 228.634 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

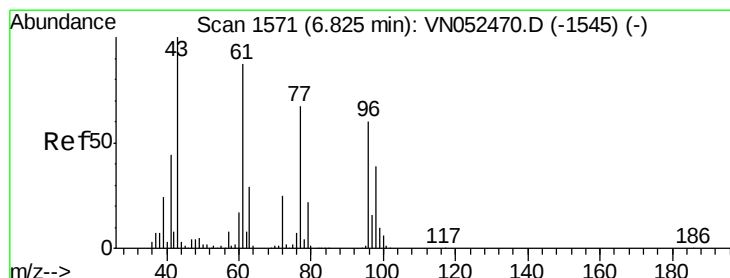
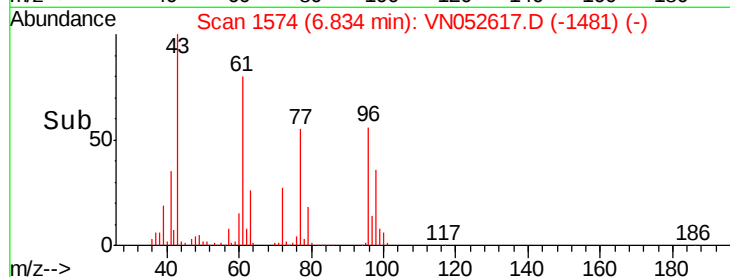
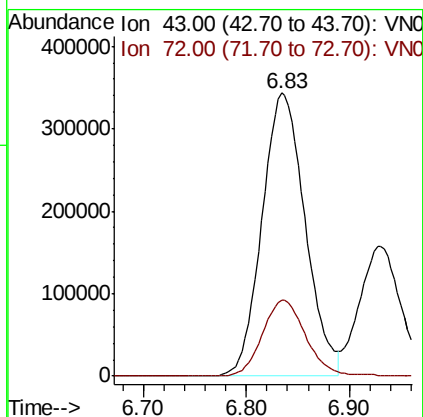
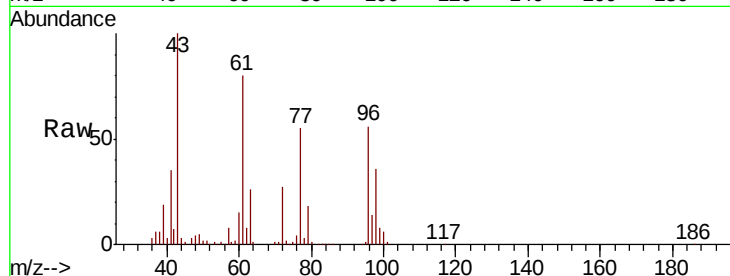
VSTDCCC050EC

Tot Ion: 43 Resp: 995795

Ion Ratio Lower Upper

43 100

72 27.0 20.1 30.1



#26

2,2-Dichloropropane

Concen: 44.598 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052617.D

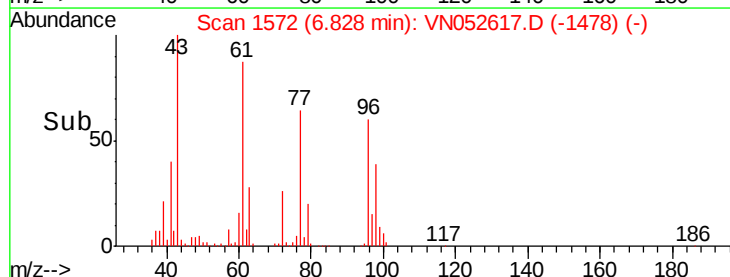
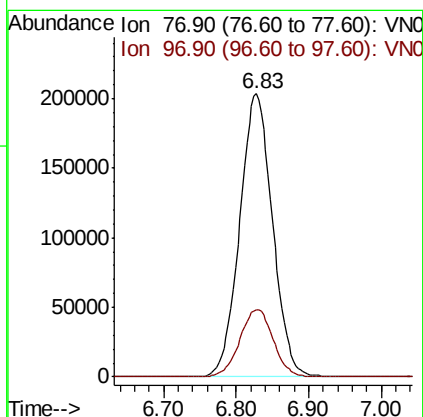
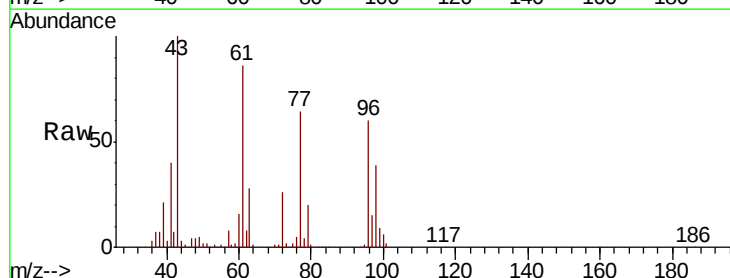
Acq: 30 Nov 2018 19:48

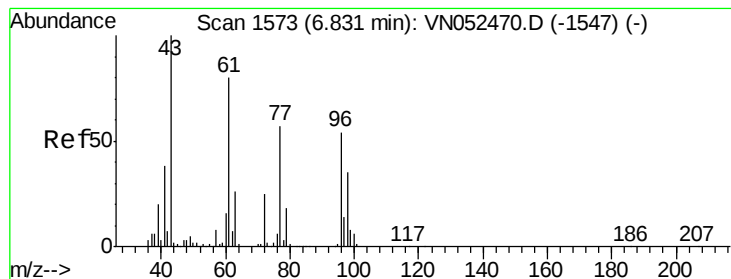
Tgt Ion: 77 Resp: 639545

Ion Ratio Lower Upper

77 100

97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 45.756 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

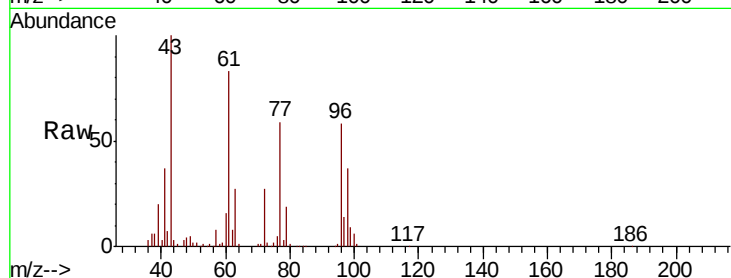
Tot Ion: 96 Resp: 570550

Ion Ratio Lower Upper

96 100

61 143.2 0.0 291.0

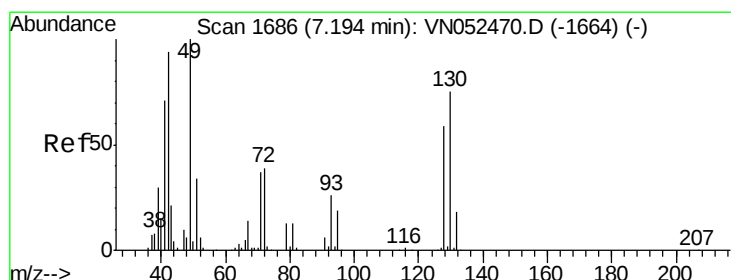
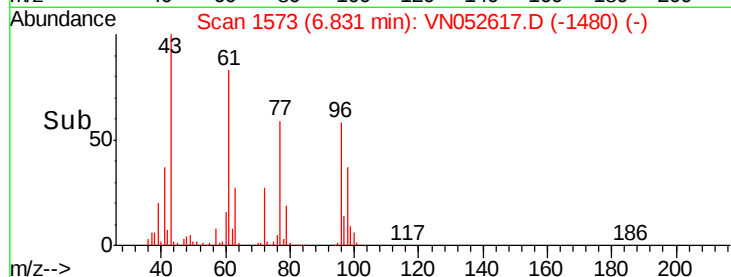
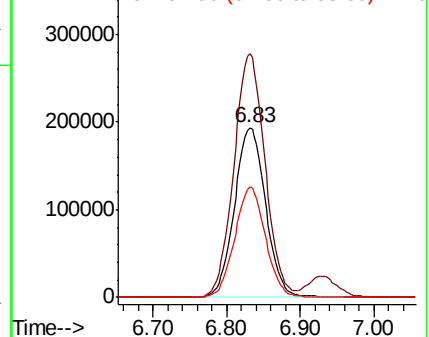
98 64.2 0.0 130.0



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



#28

Bromochloromethane

Concen: 46.001 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

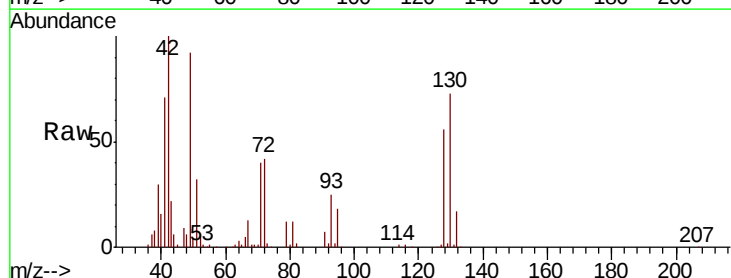
Tgt Ion: 49 Resp: 435295

Ion Ratio Lower Upper

49 100

129 1.8 0.0 3.8

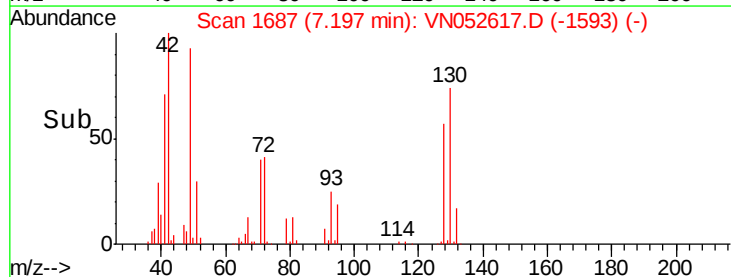
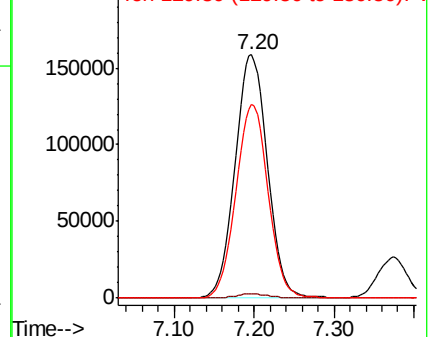
130 79.0 60.2 90.2

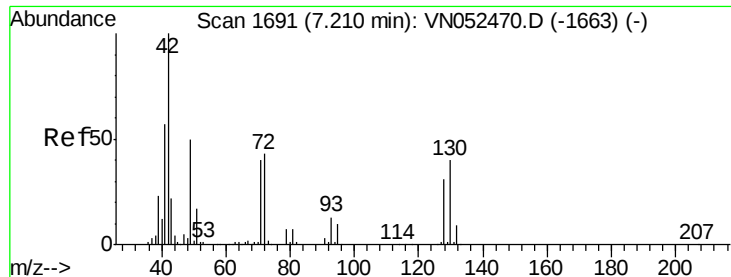


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

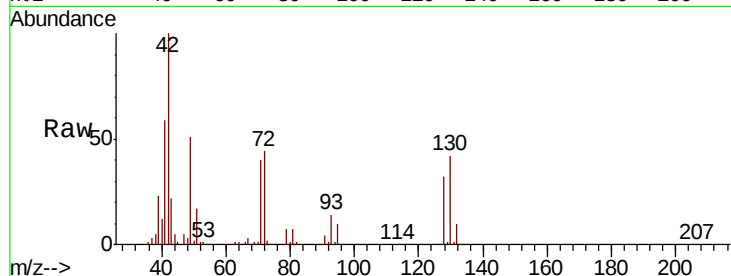




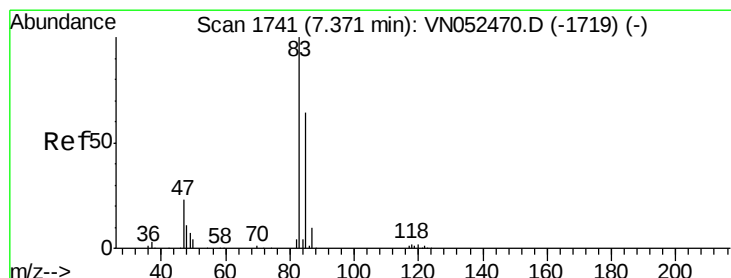
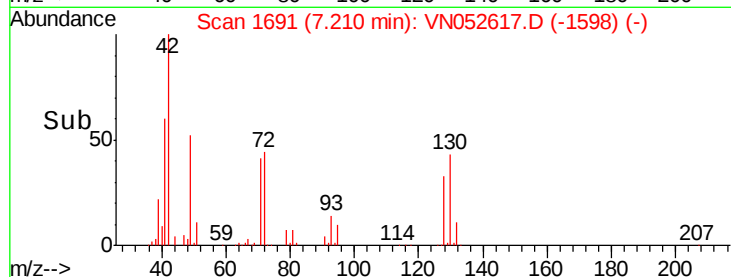
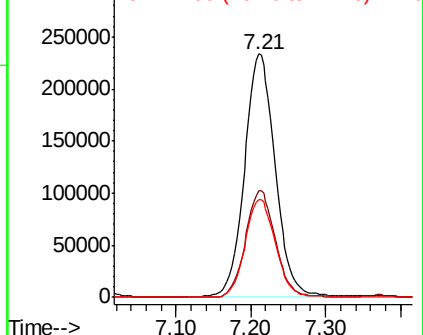
#29
Tetrahydrofuran
Concen: 236.427 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 664175
Ion Ratio Lower Upper
42 100
72 43.0 33.3 49.9
71 40.1 32.0 48.0

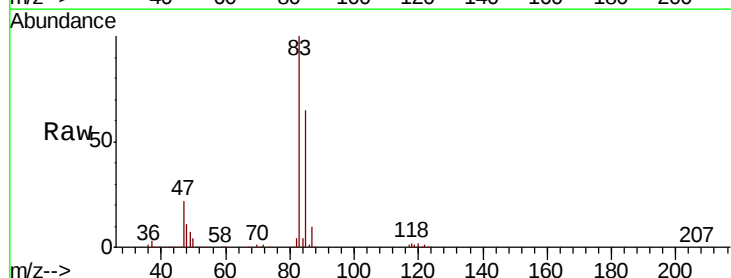


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

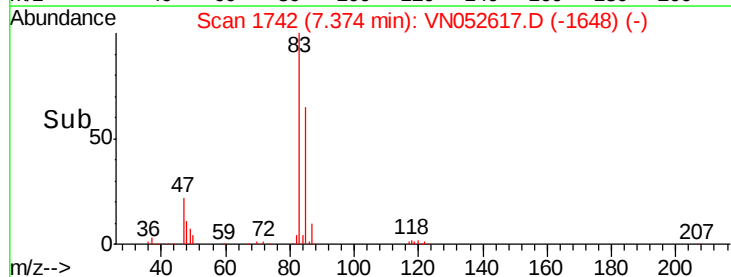
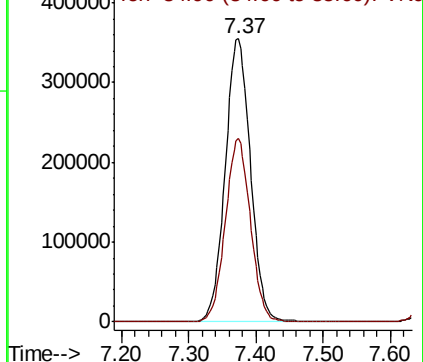


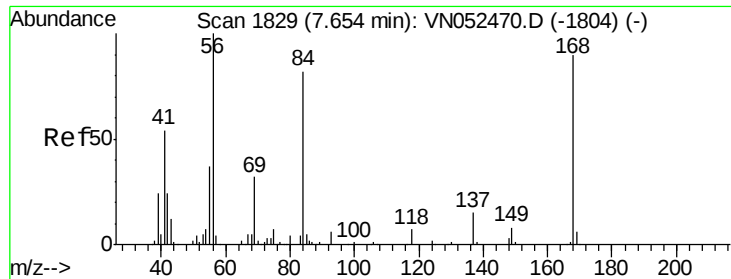
#30
Chloroform
Concen: 44.975 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 83 Resp: 929633
Ion Ratio Lower Upper
83 100
85 64.8 51.0 76.4



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

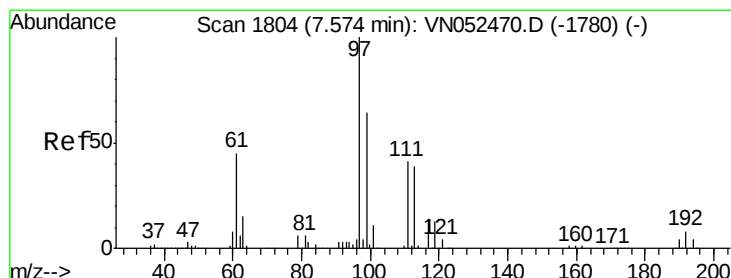
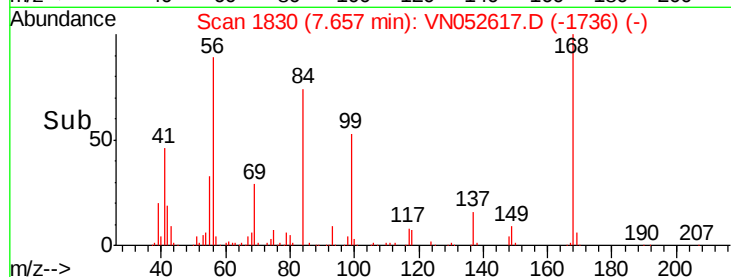
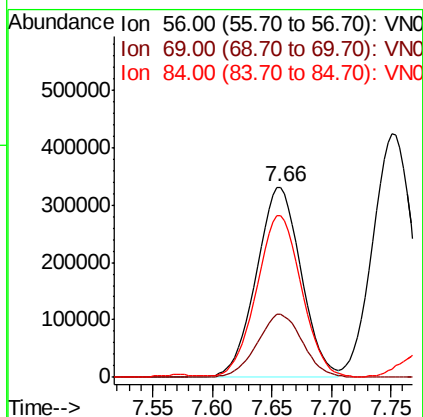
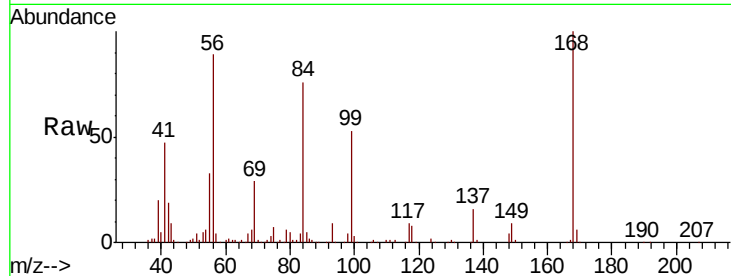




#31
Cyclohexane
Concen: 42.995 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

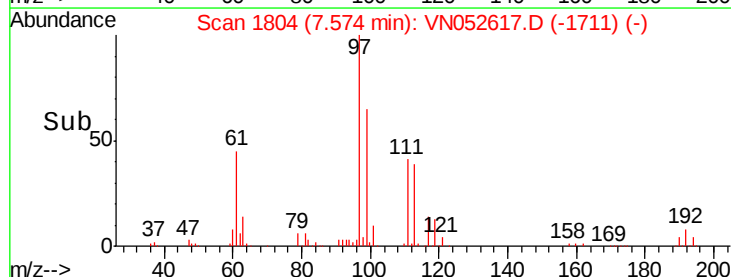
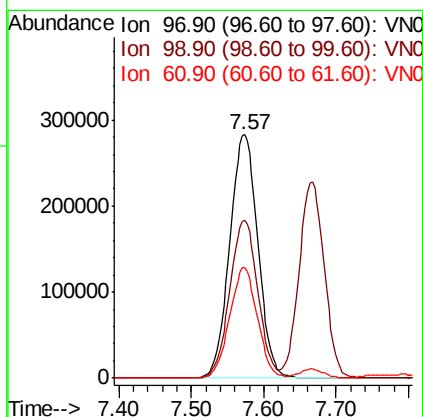
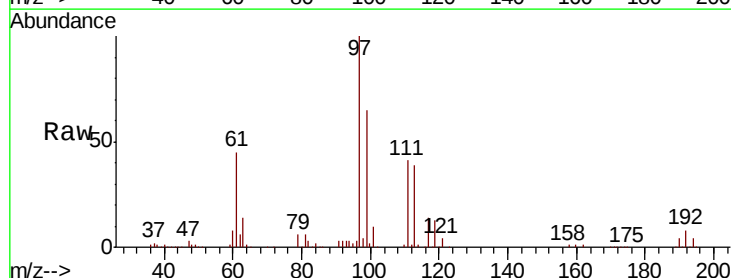
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

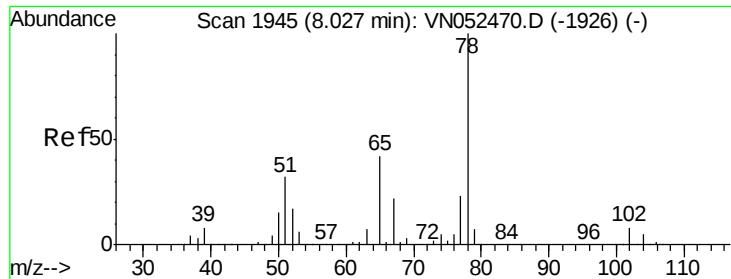
Tot Ion: 56 Resp: 863193
Ion Ratio Lower Upper
56 100
69 32.9 25.8 38.6
84 83.9 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 46.670 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 97 Resp: 764317
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 44.6 36.8 55.2

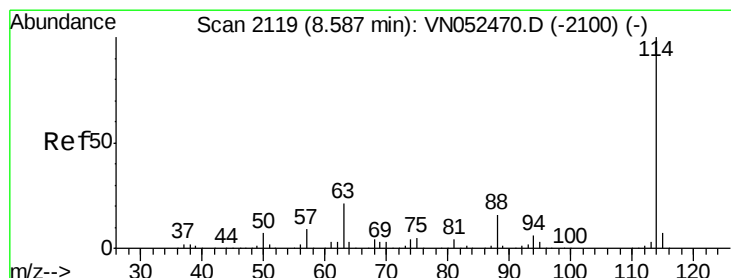
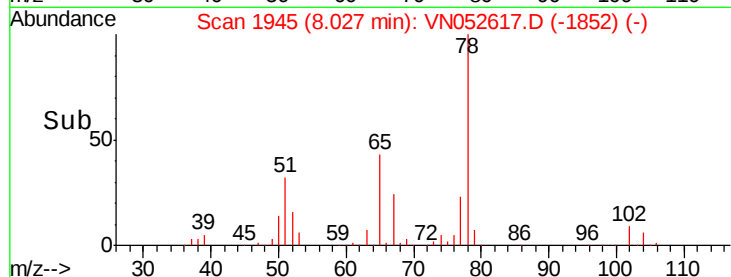
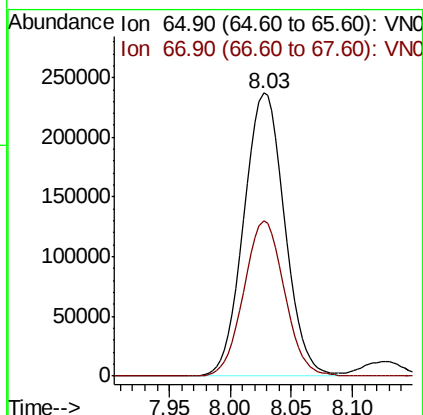
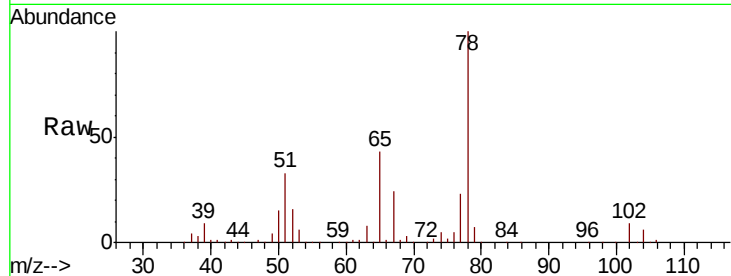




#33
 1,2-Dichloroethane-d4
 Concen: 46.670 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

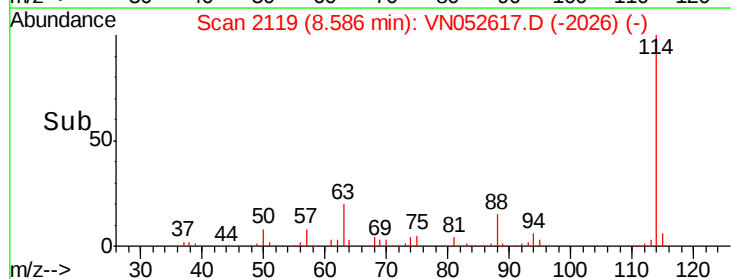
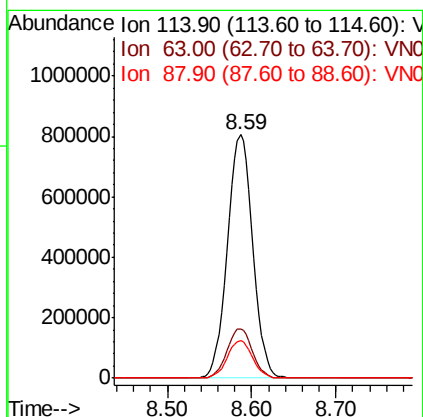
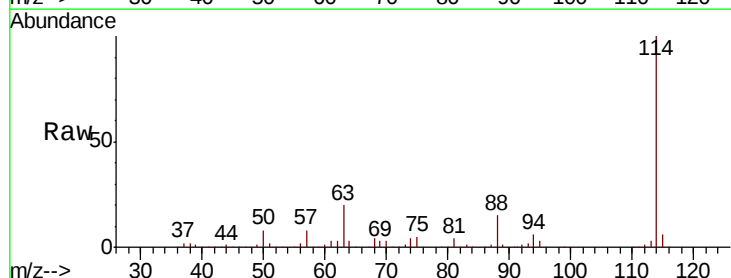
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

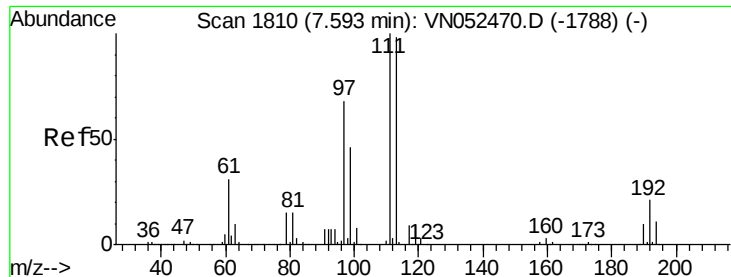
Tot Ion: 65 Resp: 550770
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 114 Resp: 1678260
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.8
 88 15.3 0.0 31.6

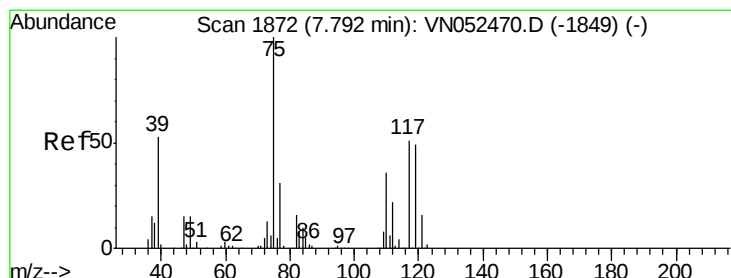
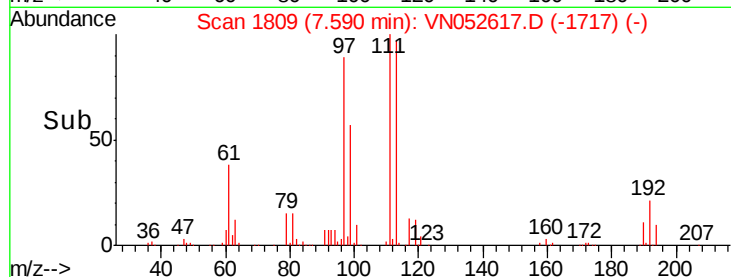
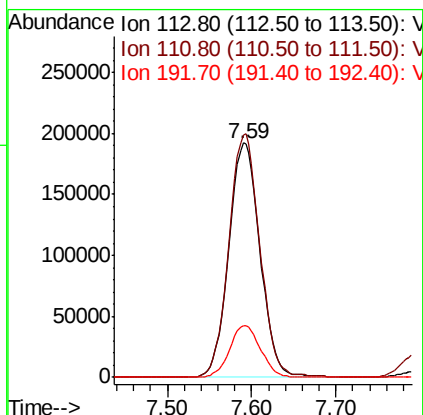
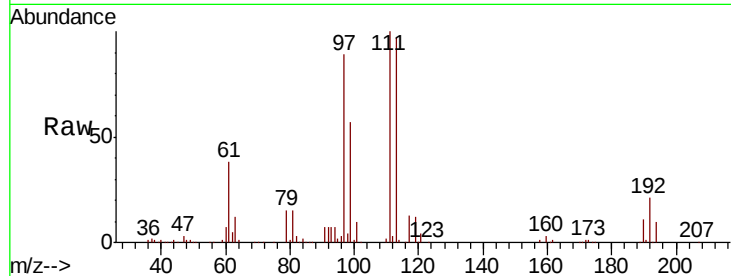




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

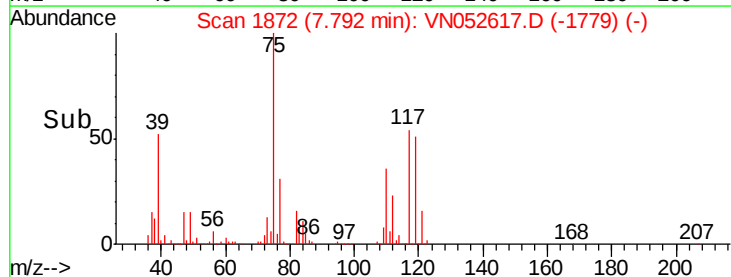
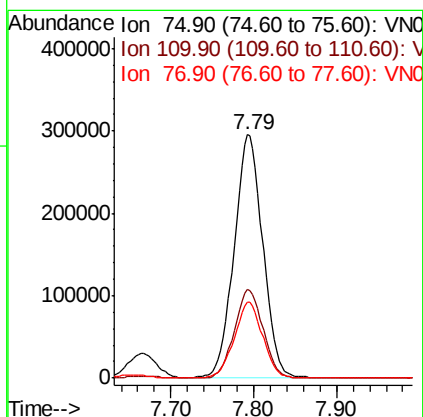
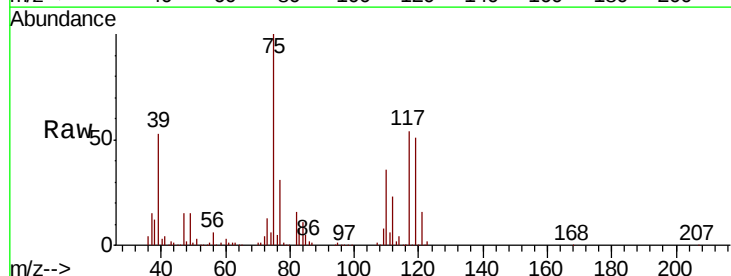
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

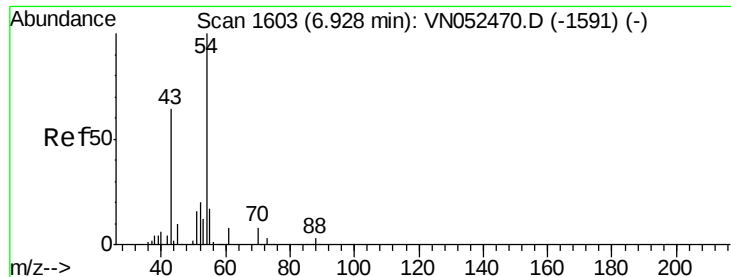
Tot Ion:113 Resp: 495604
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.0 123.0
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 44.774 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 75 Resp: 709591
 Ion Ratio Lower Upper
 75 100
 110 36.3 17.5 52.6
 77 31.1 24.5 36.7

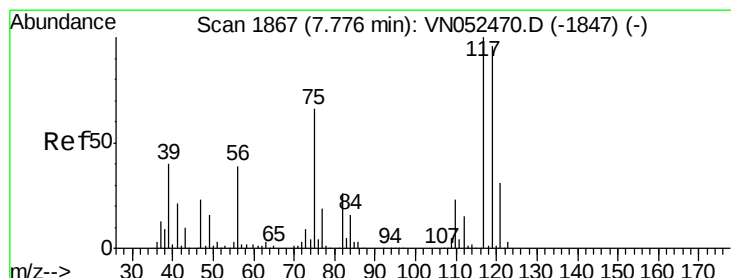
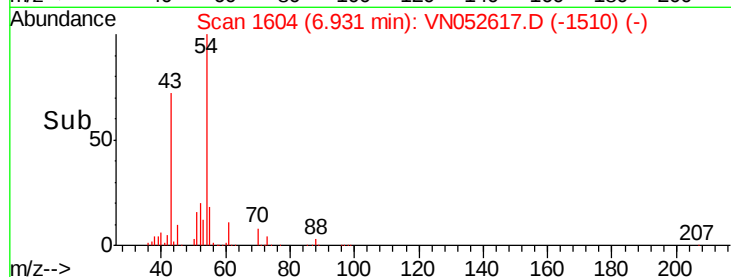
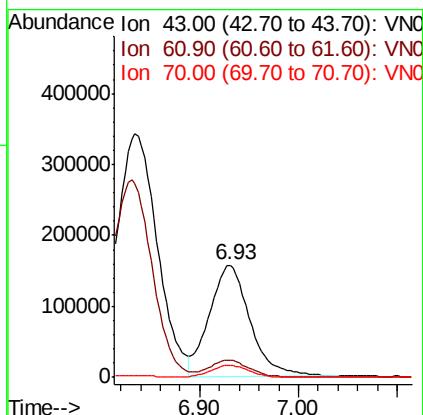
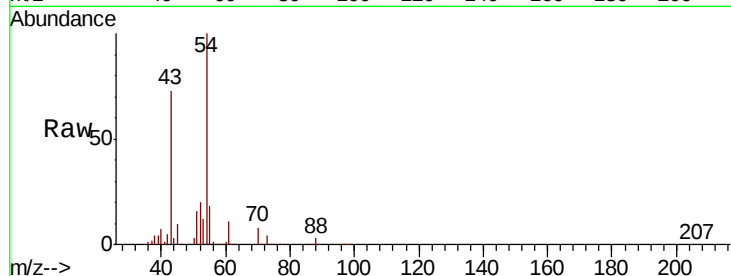




#37
Ethyl Acetate
Concen: 46.409 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

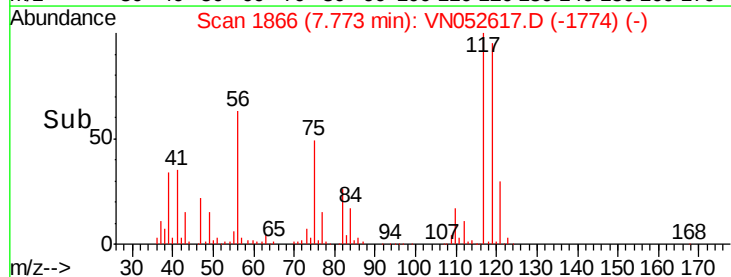
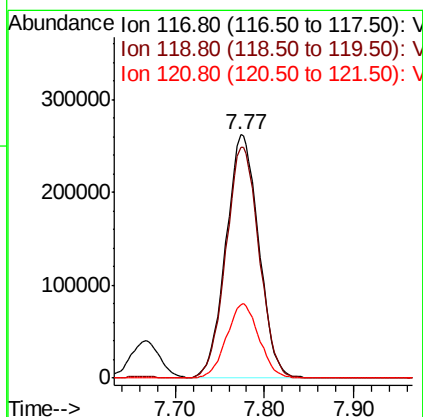
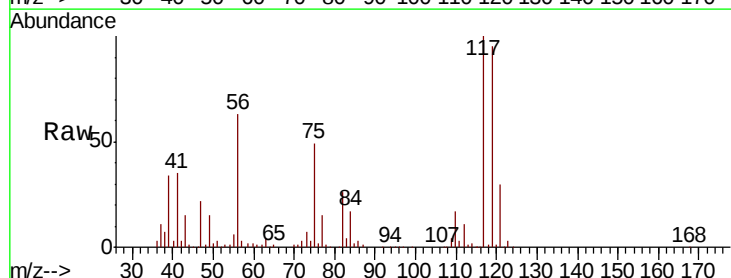
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

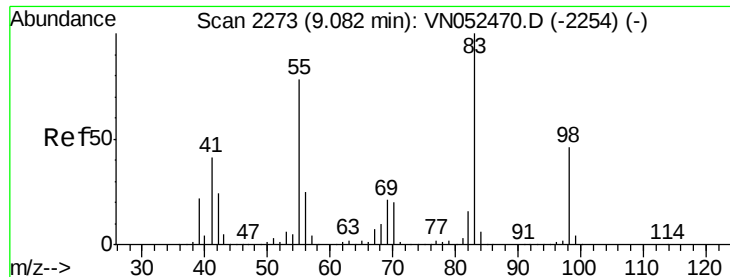
Tot Ion: 43 Resp: 448876
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.8
70 10.6 7.8 11.8



#38
Carbon Tetrachloride
Concen: 46.448 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 117 Resp: 666387
Ion Ratio Lower Upper
117 100
119 94.8 76.8 115.2
121 30.1 24.9 37.3

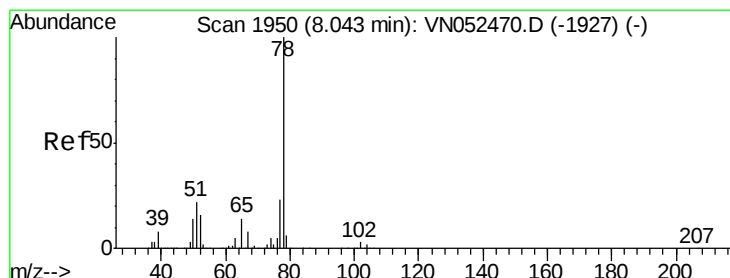
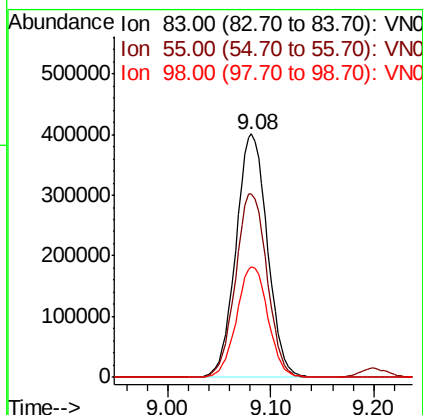
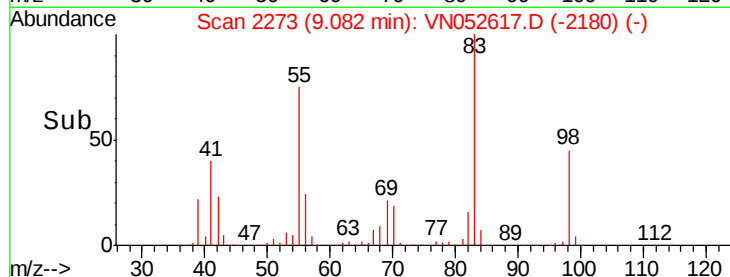
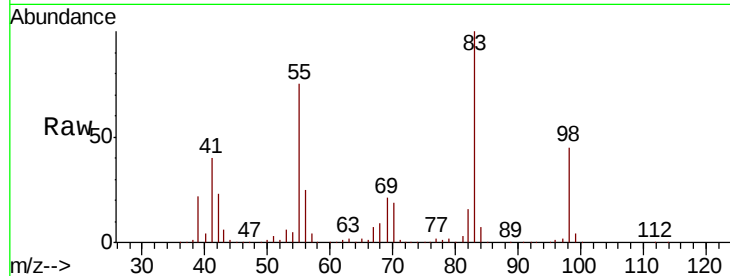




#39
Methvlcvclohexane
Concen: 44.041 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

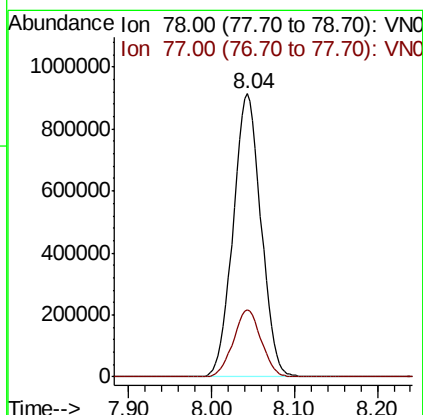
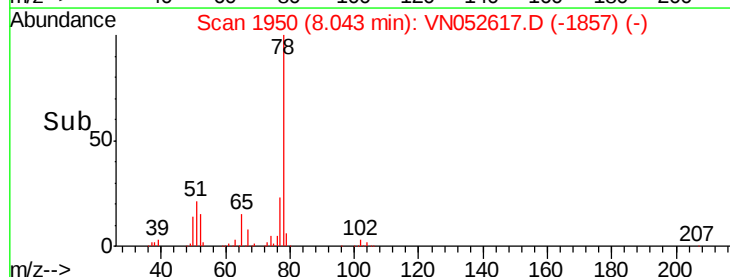
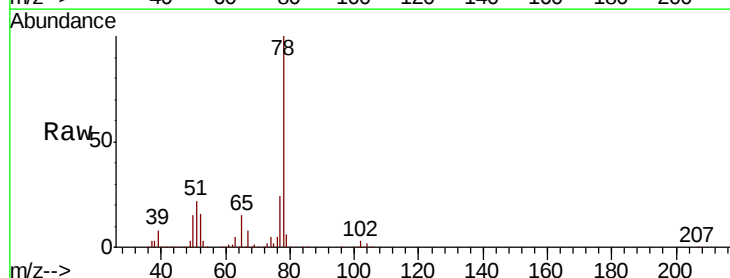
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

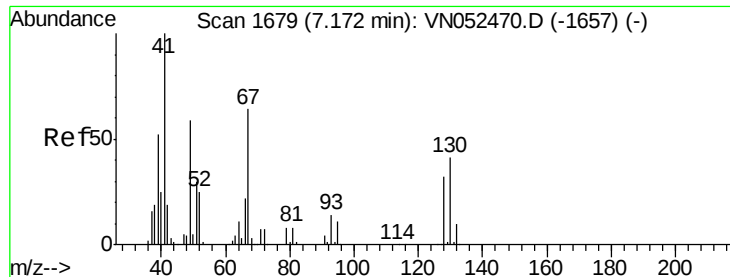
Tot Ion: 83 Resp: 848351
Ion Ratio Lower Upper
83 100
55 75.5 62.2 93.2
98 45.5 36.4 54.6



#40
Benzene
Concen: 45.318 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 78 Resp: 2140422
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

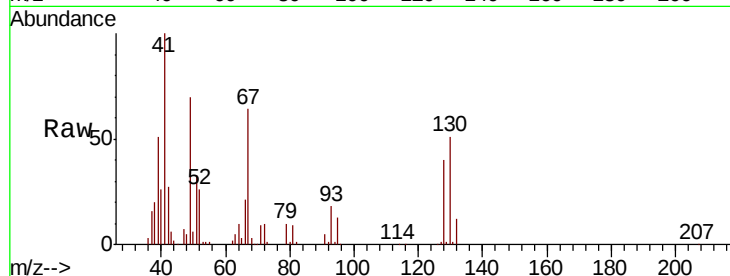




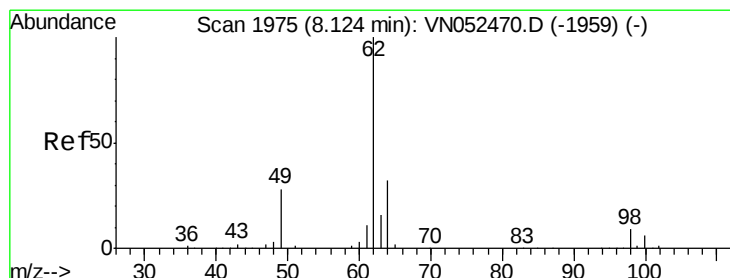
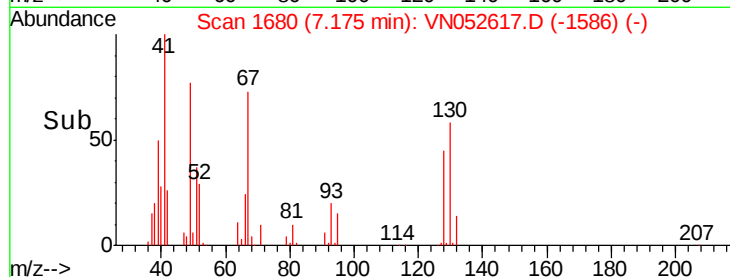
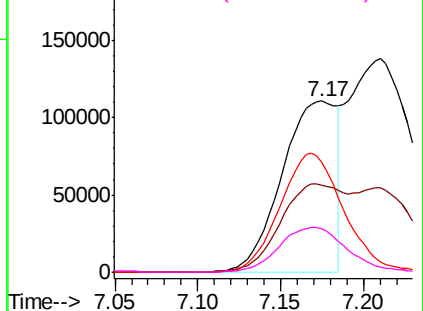
#41
Methacrylonitrile
Concen: 48.461 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	256254
Ion	Ratio	Lower	Upper
41	100		
39	59.1	50.9	76.3
67	81.2	63.6	95.4
52	31.8	24.4	36.6

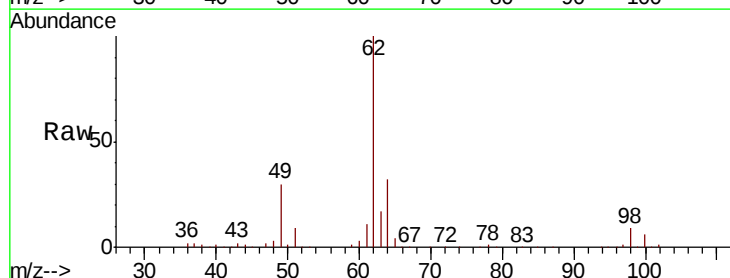


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

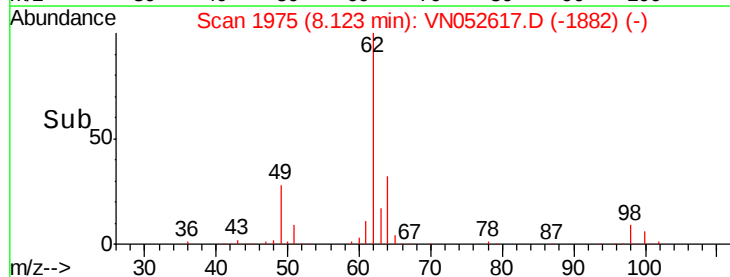
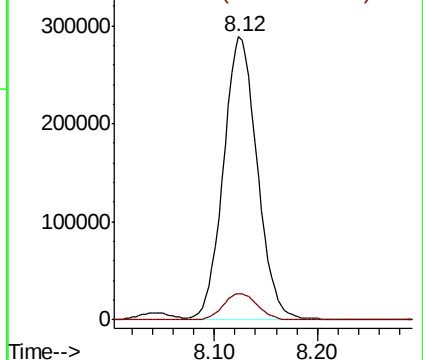


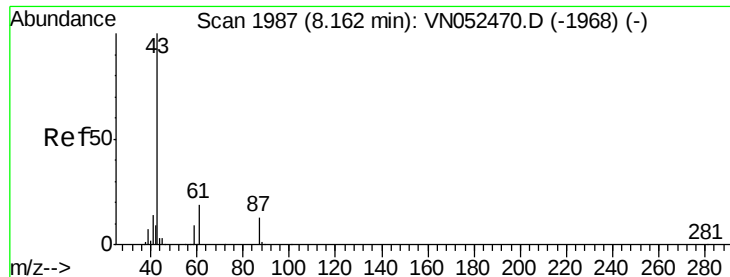
#42
1,2-Dichloroethane
Concen: 45.962 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:	62	Resp:	657304
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



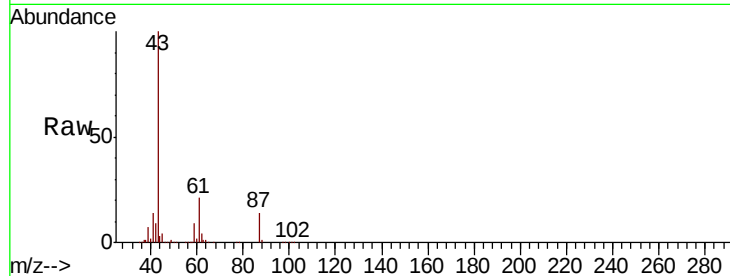


#43

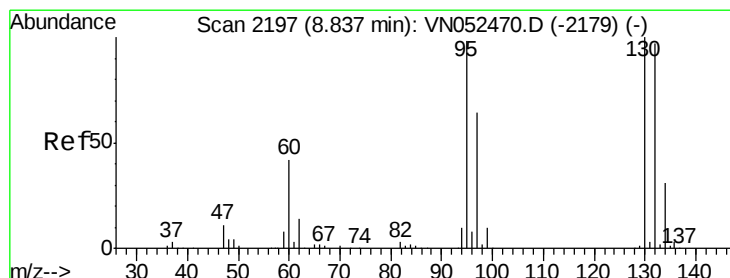
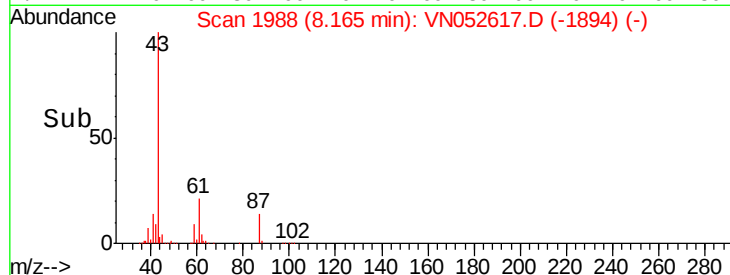
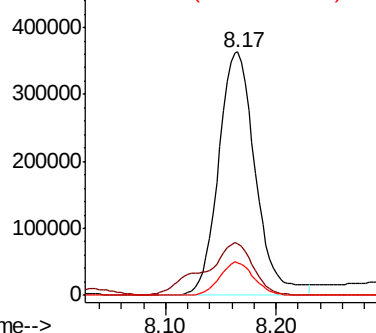
Isopropyl Acetate
 Concen: 51.289 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	24.1	36.1
87	12.9	10.6	15.8



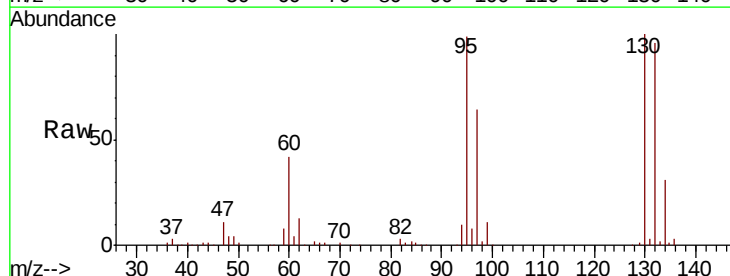
Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)
 Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)
 Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)



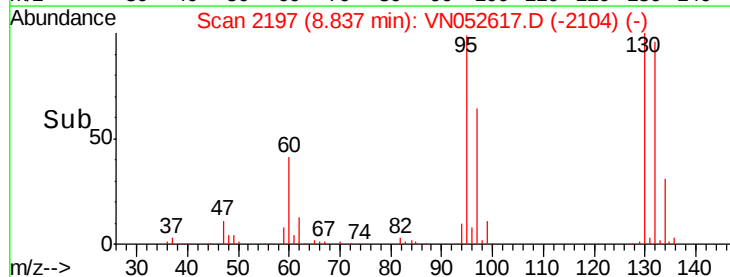
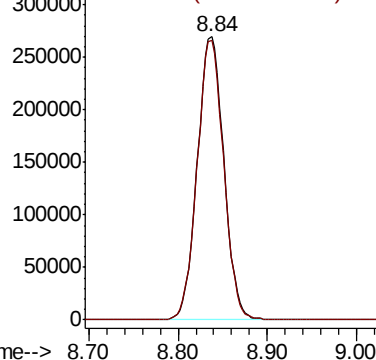
#44

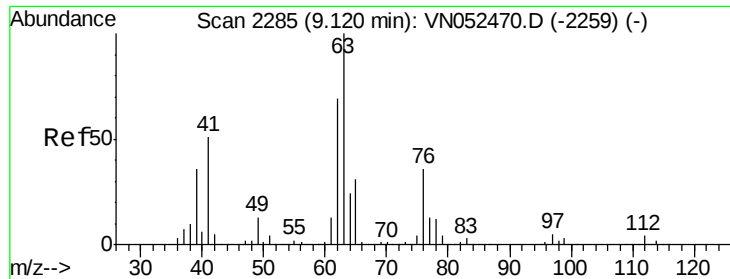
Trichloroethene
 Concen: 45.978 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.6	0.0	195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)
 Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

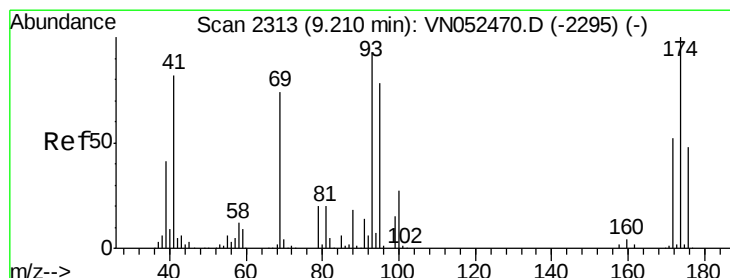
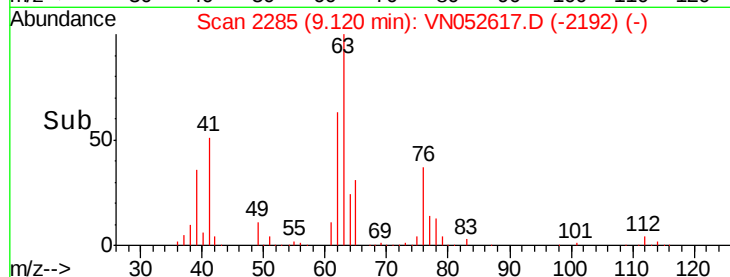
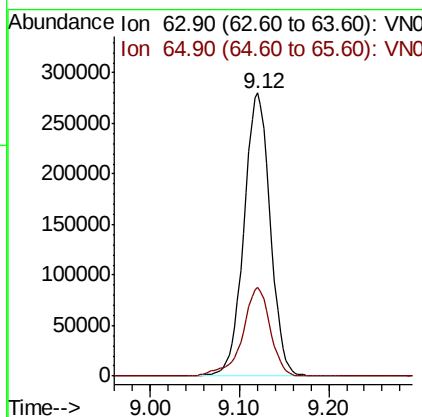
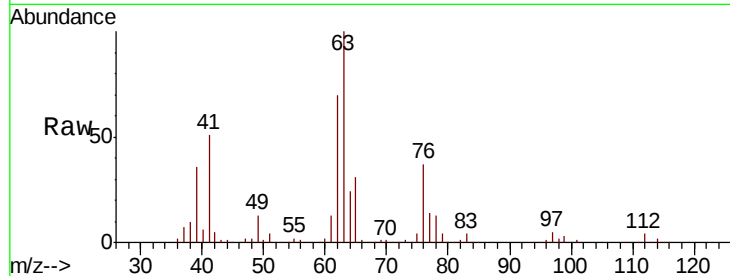




#45
 1,2-Dichloropropane
 Concen: 45.697 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

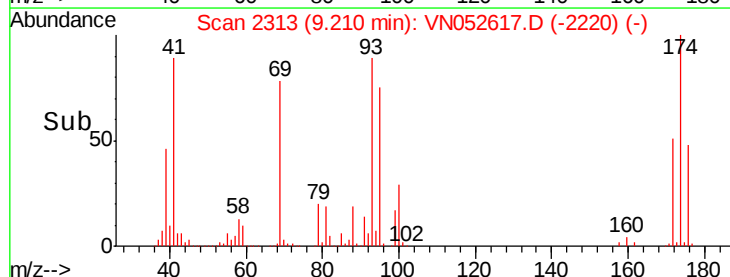
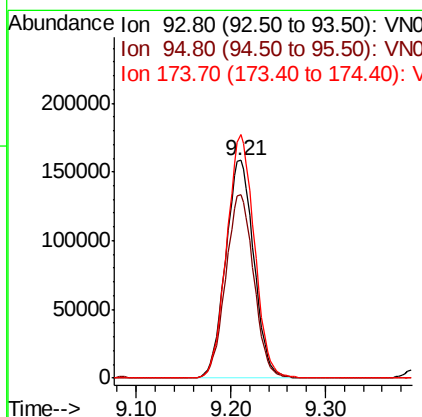
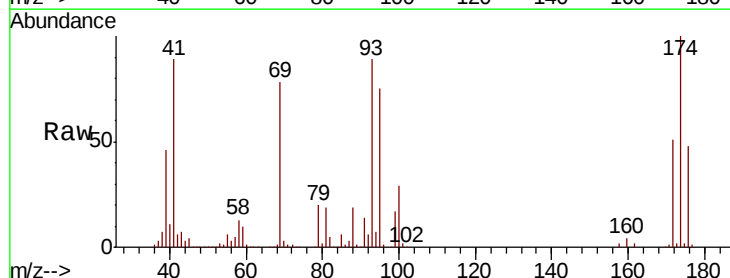
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

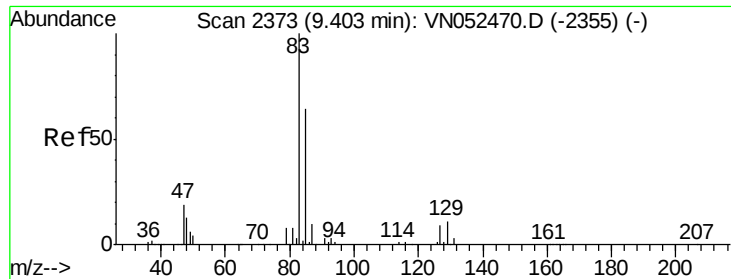
Tot Ion: 63 Resp: 573810
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 47.315 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 93 Resp: 328901
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.1 100.7
 174 109.5 85.8 128.8

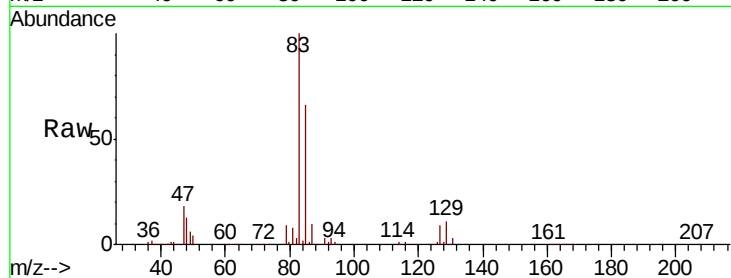




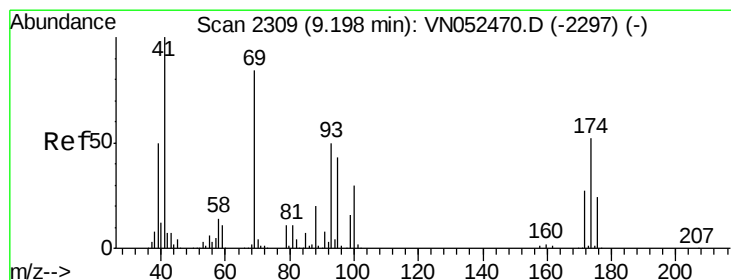
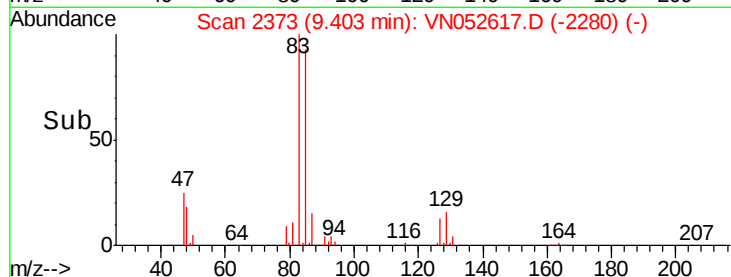
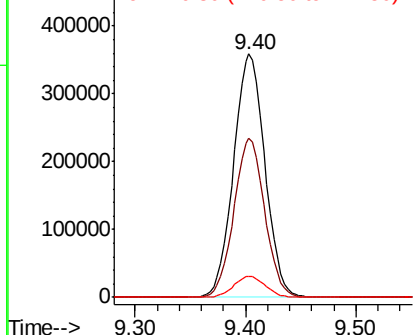
#47
Bromodichloromethane
Concen: 46.661 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 705199
Ion Ratio Lower Upper
83 100
85 65.6 51.3 76.9
127 8.8 6.9 10.3

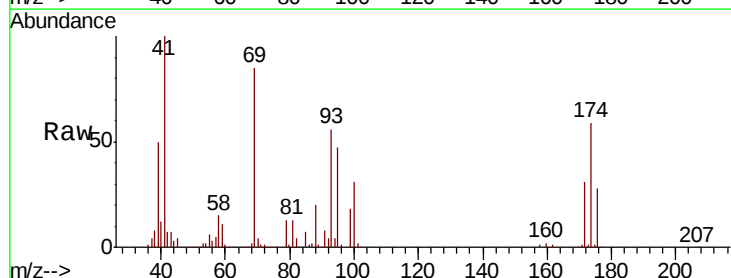


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

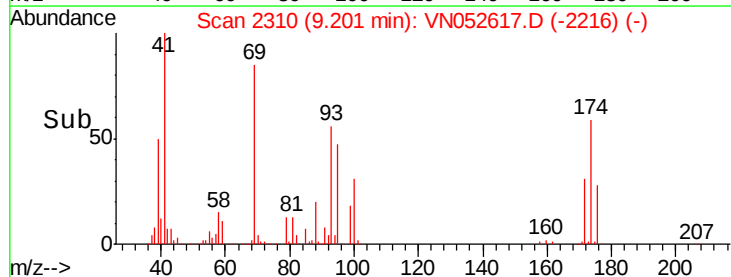
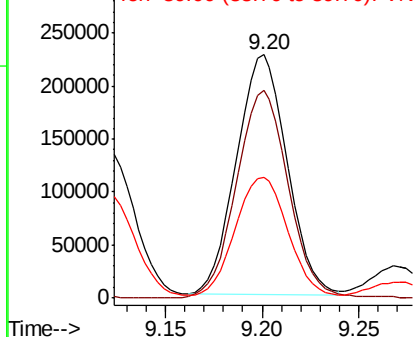


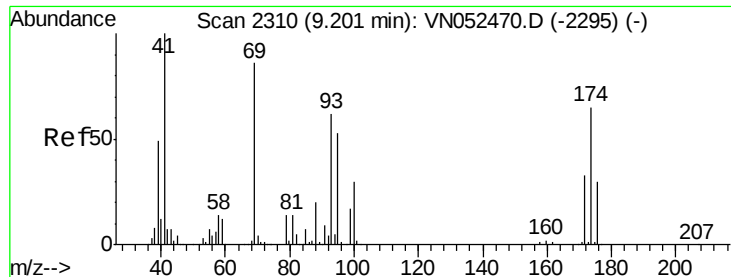
#48
Methyl methacrylate
Concen: 48.619 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 41 Resp: 414950
Ion Ratio Lower Upper
41 100
69 88.7 70.0 105.0
39 52.7 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

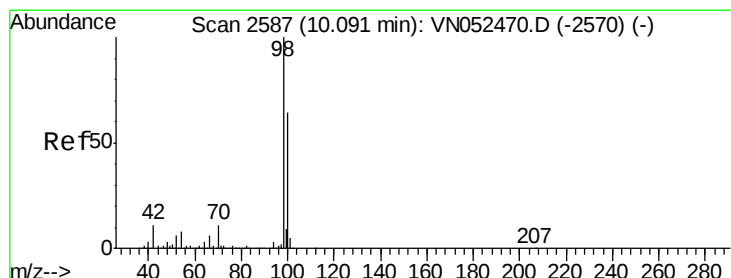
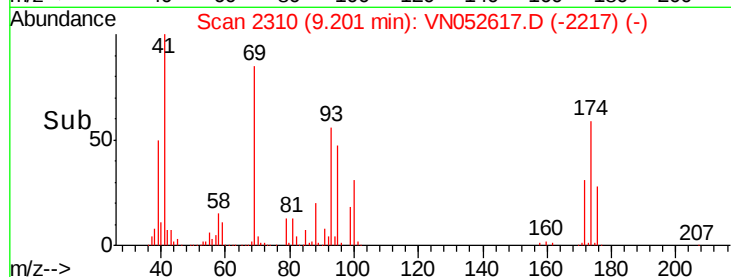
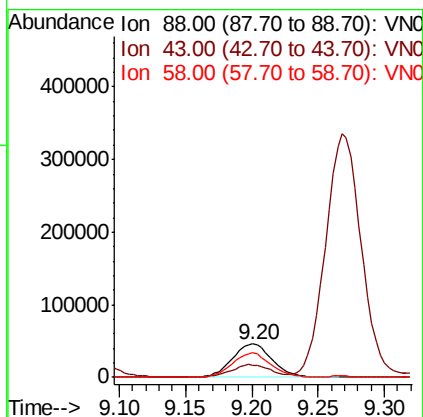
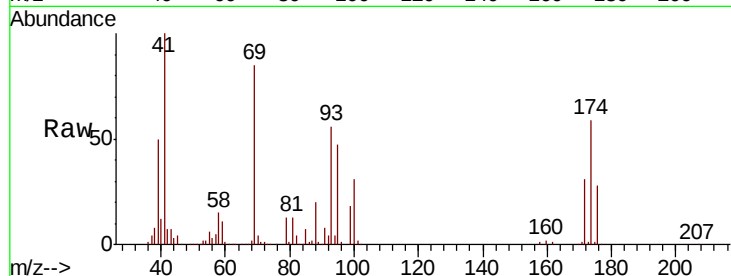




#49
1,4-Dioxane
Concen: 1081.303 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

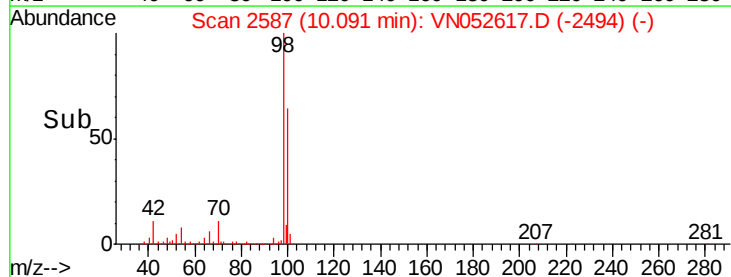
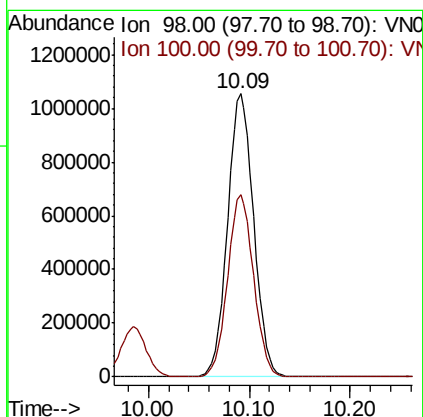
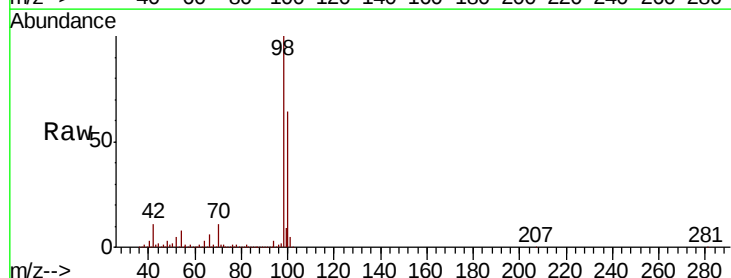
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

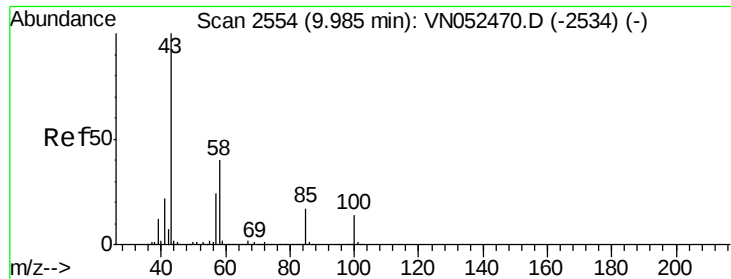
Tot Ion: 88 Resp: 95778
Ion Ratio Lower Upper
88 100
43 32.5 26.4 39.6
58 71.4 55.4 83.0



#50
Toluene-d8
Concen: 1081.303 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 98 Resp: 1902386
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 248.616 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

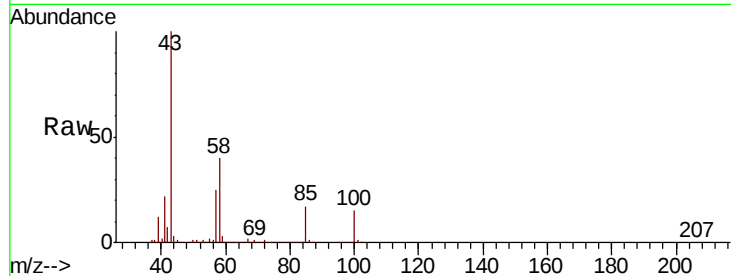
VSTDCCC050EC

Tot Ion: 43 Resp: 2283206

Ion Ratio Lower Upper

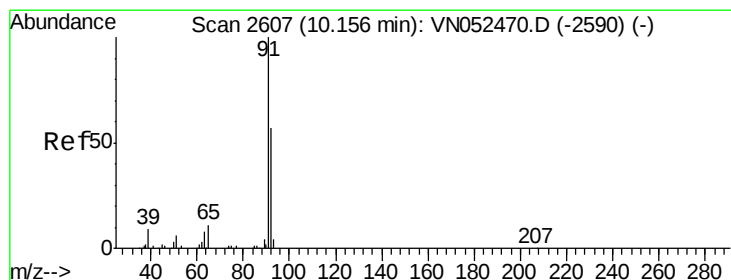
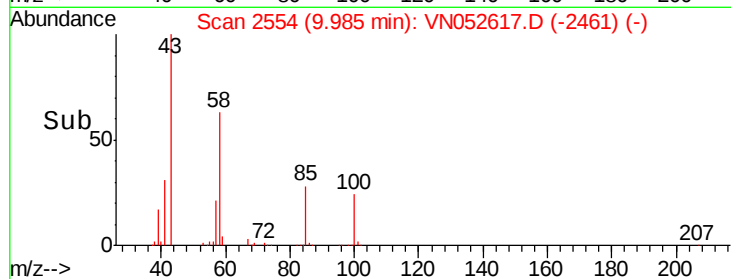
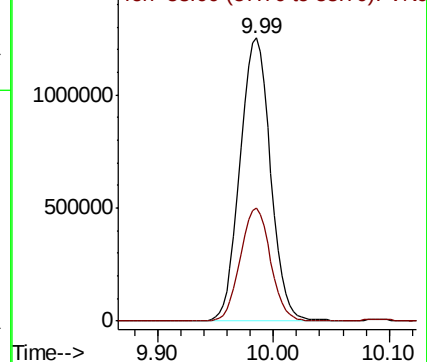
43 100

58 39.7 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 46.845 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052617.D

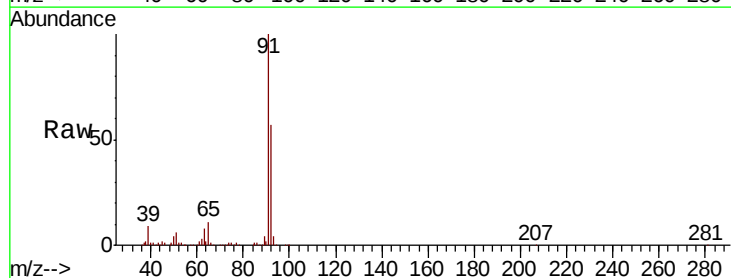
Acq: 30 Nov 2018 19:48

Tgt Ion: 92 Resp: 1314565

Ion Ratio Lower Upper

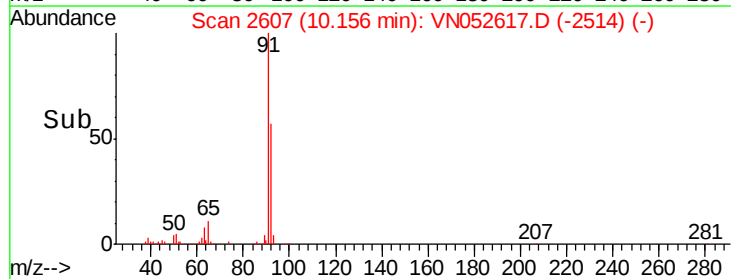
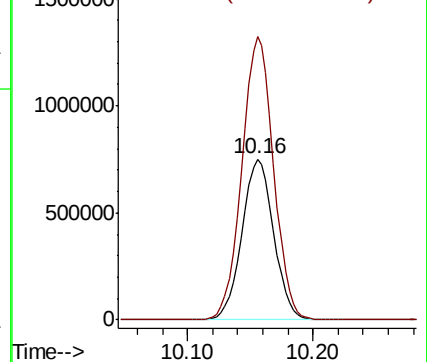
92 100

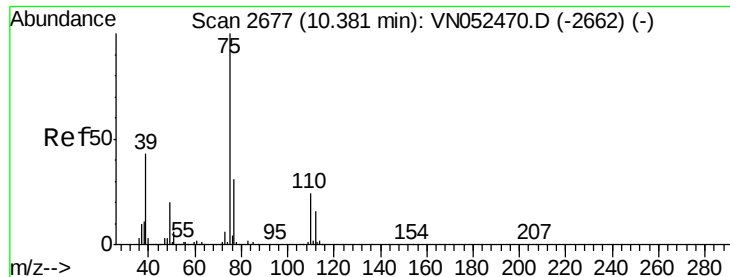
91 176.2 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.847 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

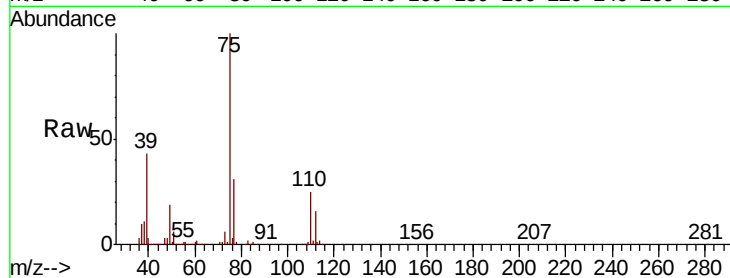
VSTDCCC050EC

Tot Ion: 75 Resp: 710216

Ion Ratio Lower Upper

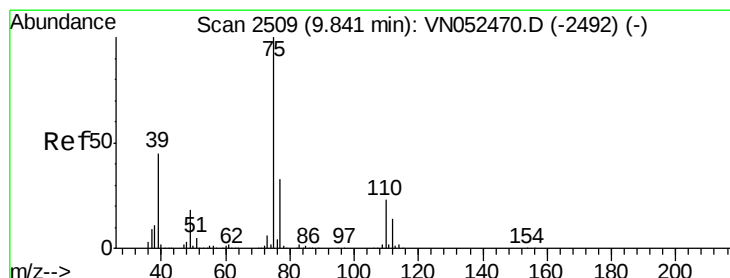
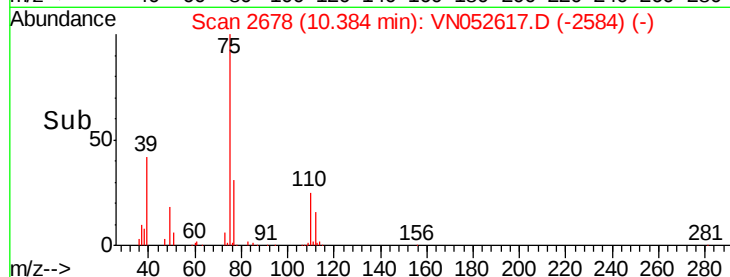
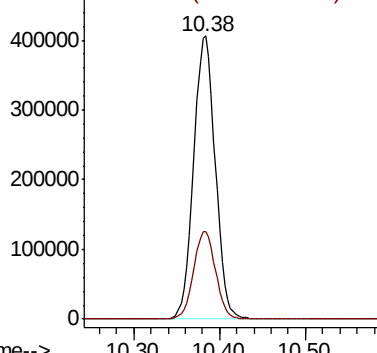
75 100

77 31.1 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.869 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

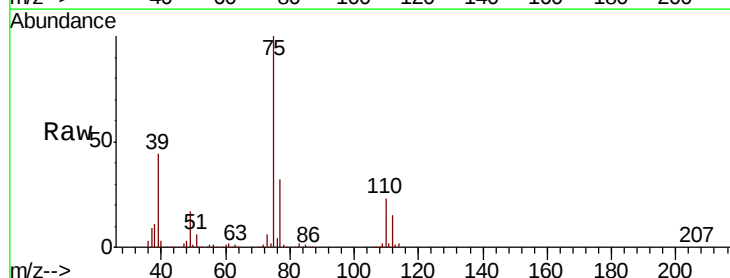
Tgt Ion: 75 Resp: 834045

Ion Ratio Lower Upper

75 100

77 32.0 26.2 39.2

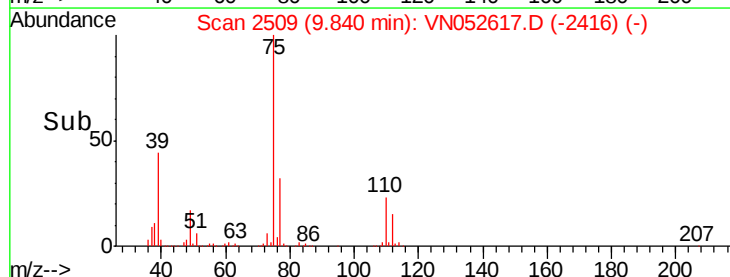
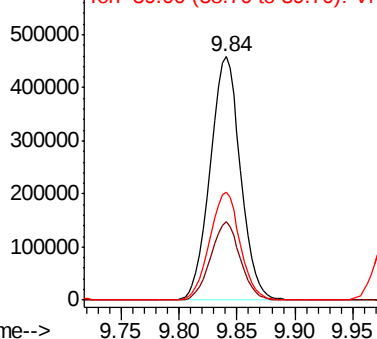
39 44.2 36.0 54.0

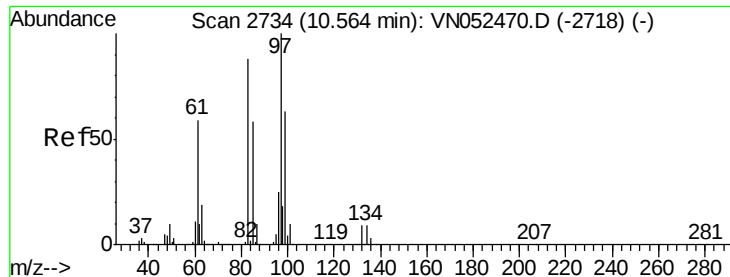


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

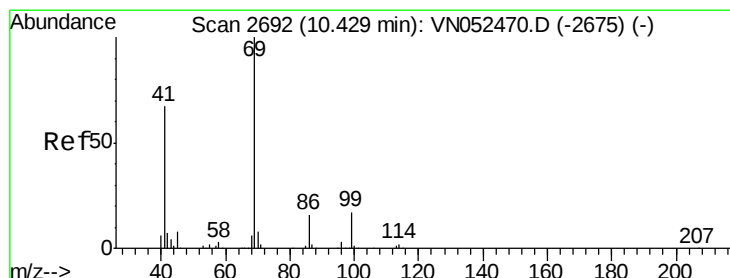
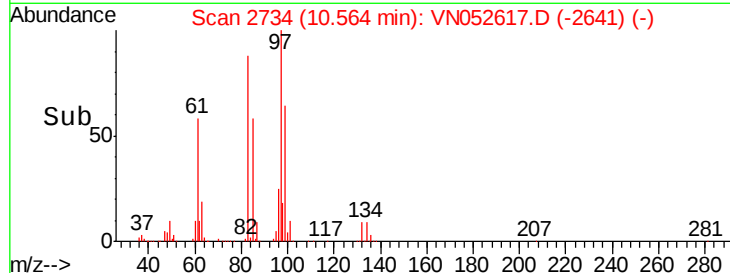
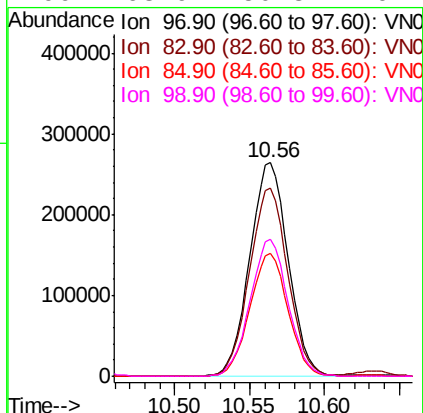
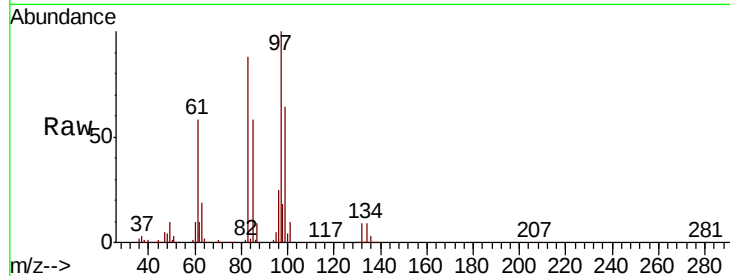




#55
 1,1,2-Trichloroethane
 Concen: 47.920 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

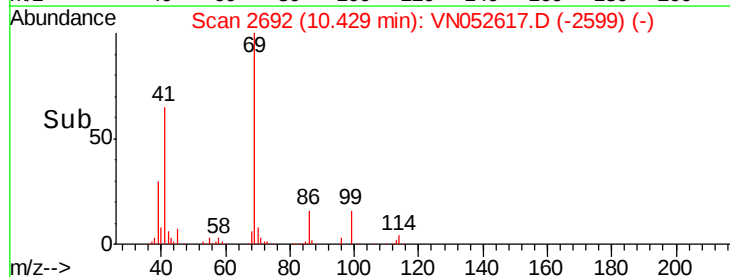
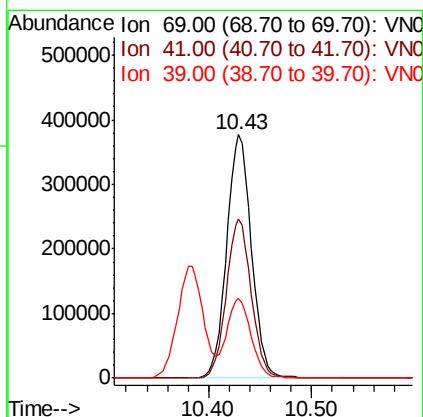
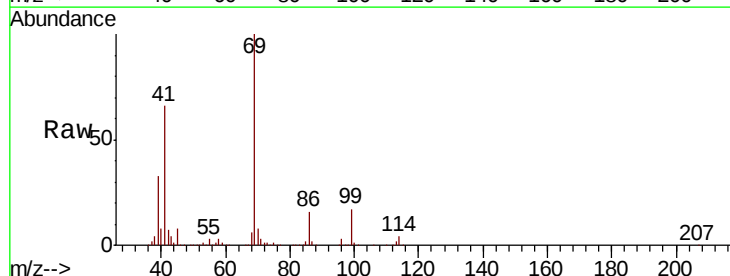
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

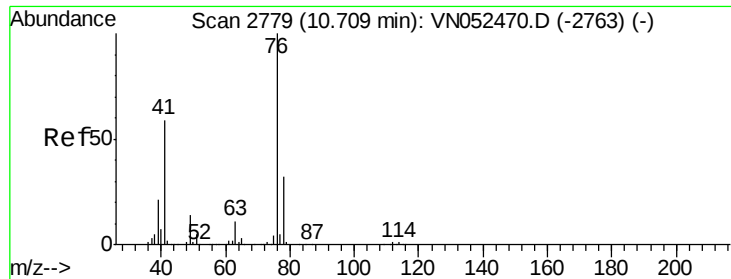
Tot Ion: 97 Resp: 473009
 Ion Ratio Lower Upper
 97 100
 83 88.0 70.7 106.1
 85 57.6 46.1 69.1
 99 63.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 46.348 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 69 Resp: 632430
 Ion Ratio Lower Upper
 69 100
 41 64.7 52.6 79.0
 39 32.1 25.9 38.9





#57

1,3-Dichloropropane

Concen: 46.907 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

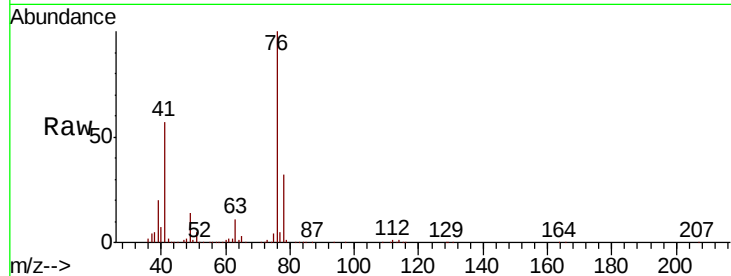
VSTDCCC050EC

Tot Ion: 76 Resp: 817548

Ion Ratio Lower Upper

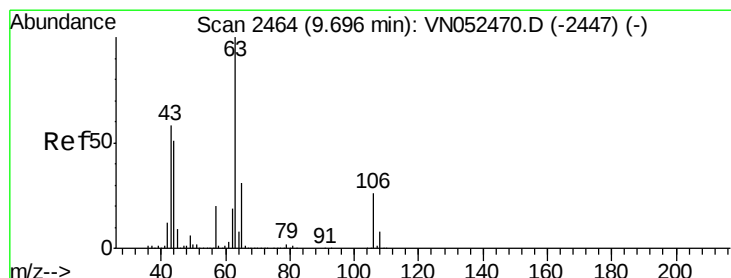
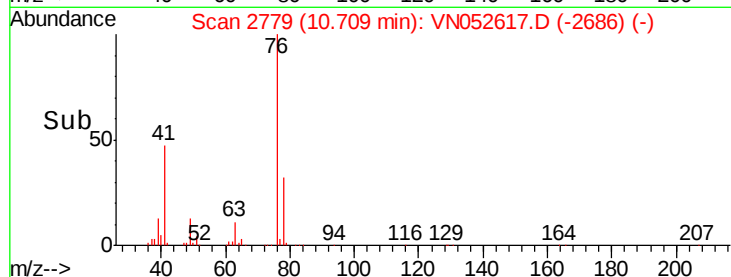
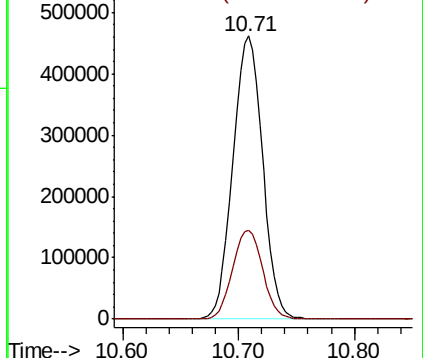
76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 244.194 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052617.D

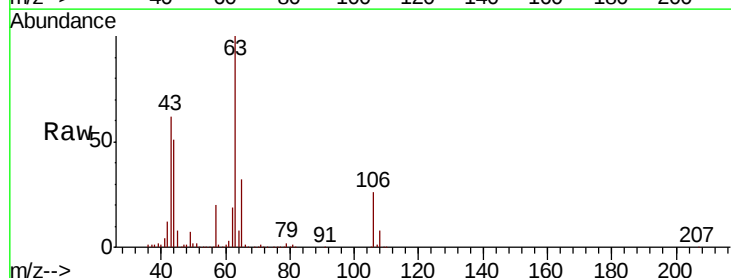
Acq: 30 Nov 2018 19:48

Tgt Ion: 63 Resp: 1749054

Ion Ratio Lower Upper

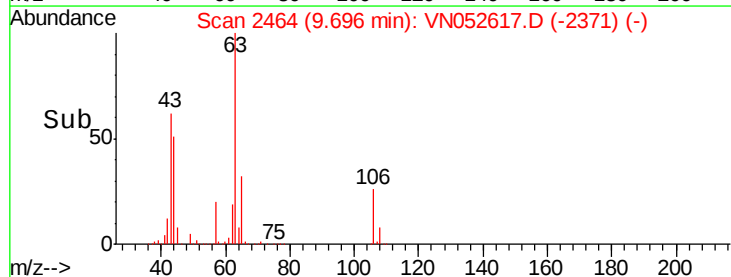
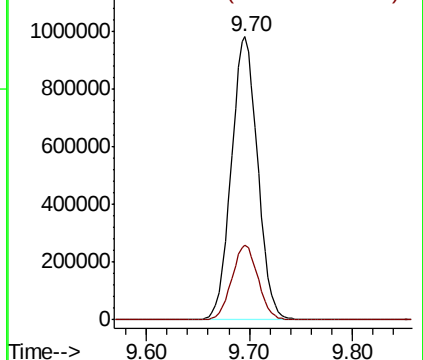
63 100

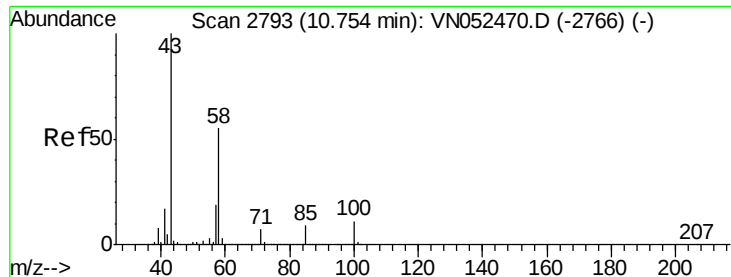
106 26.4 20.6 30.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

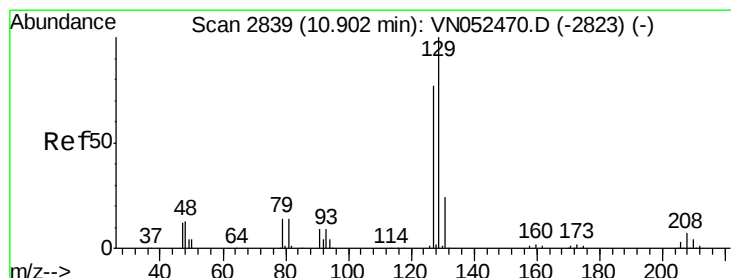
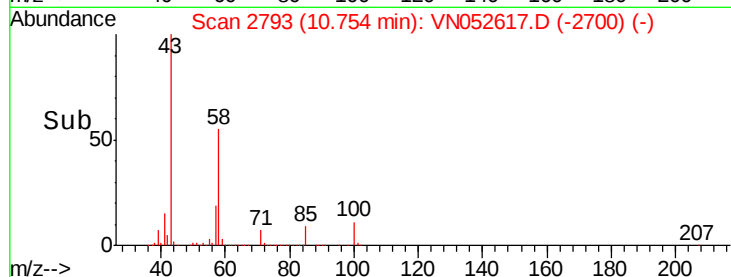
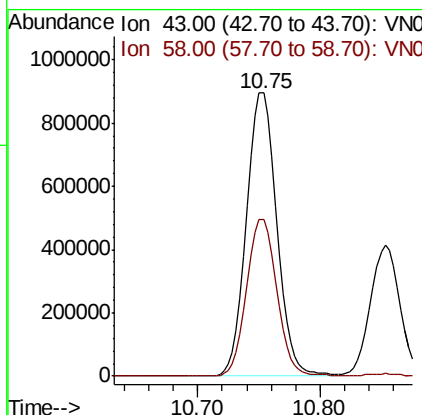
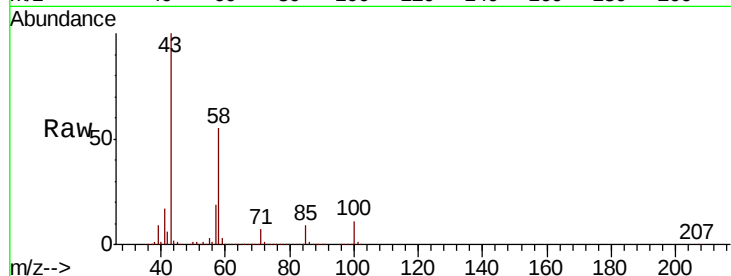




#59
2-Hexanone
Concen: 248.206 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

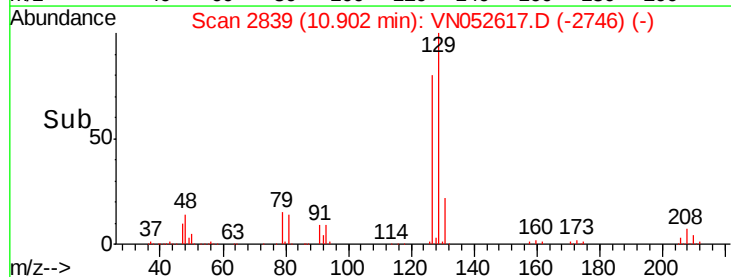
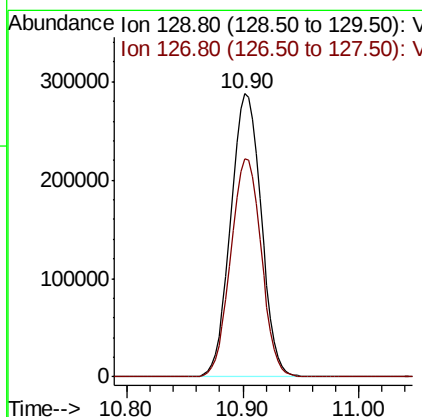
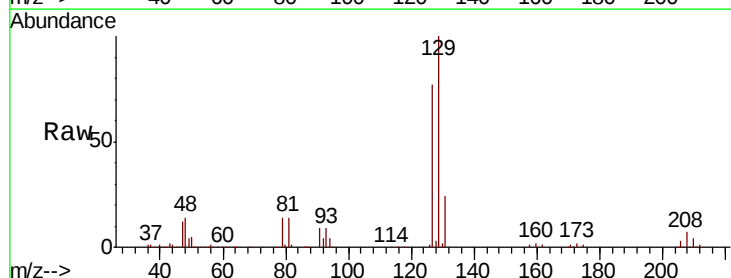
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

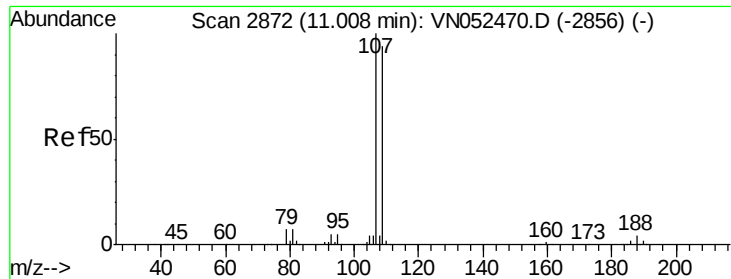
Tot Ion: 43 Resp: 1529851
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.0



#60
Dibromochloromethane
Concen: 48.886 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 129 Resp: 524101
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

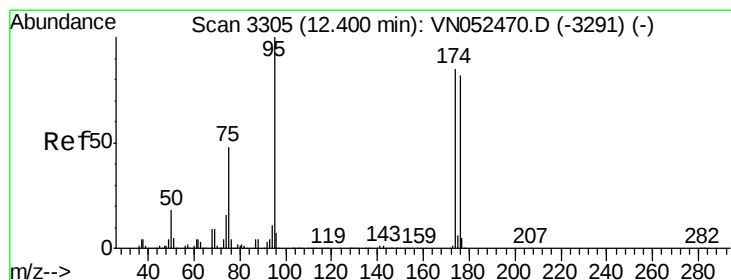
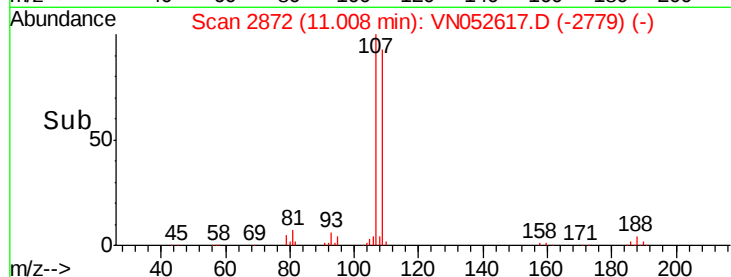
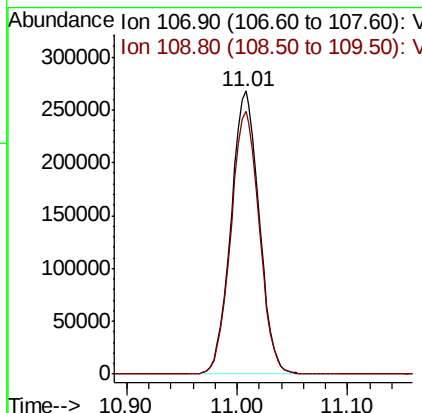
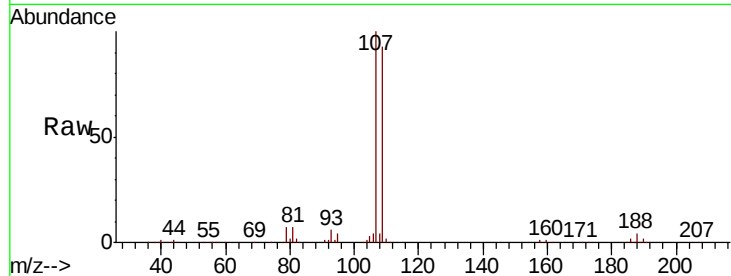




#61
 1,2-Dibromoethane
 Concen: 48.328 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

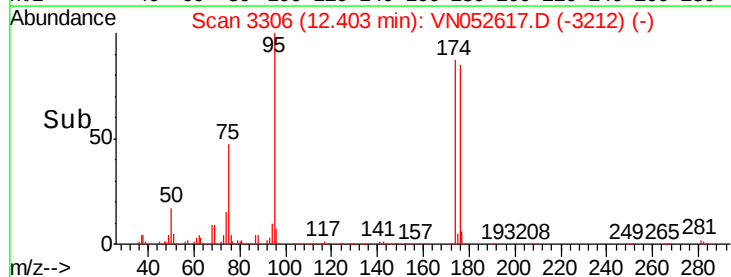
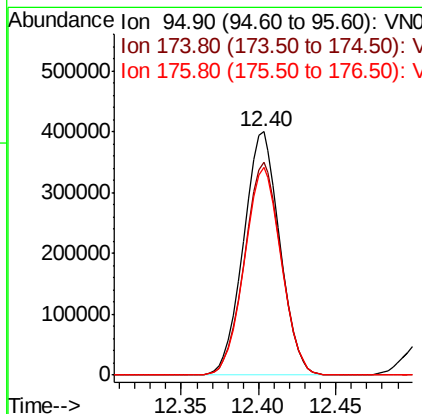
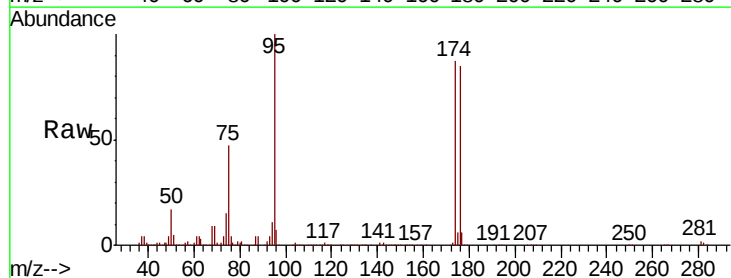
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

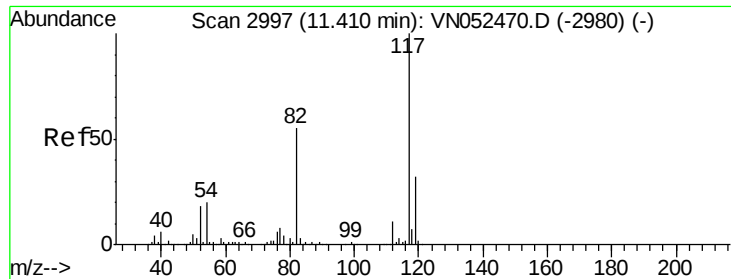
Tot Ion:107 Resp: 473799
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 48.328 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion: 95 Resp: 654449
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 173.0
 176 86.5 0.0 166.2

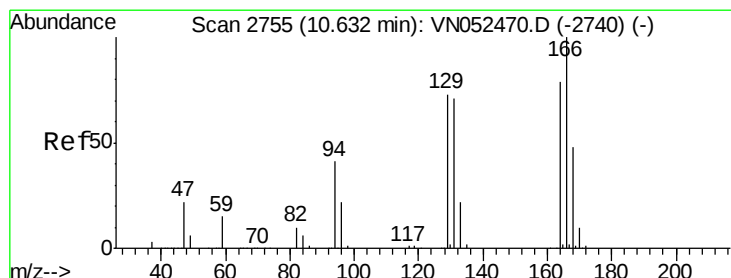
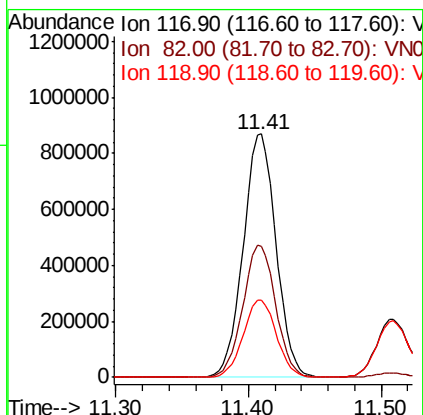
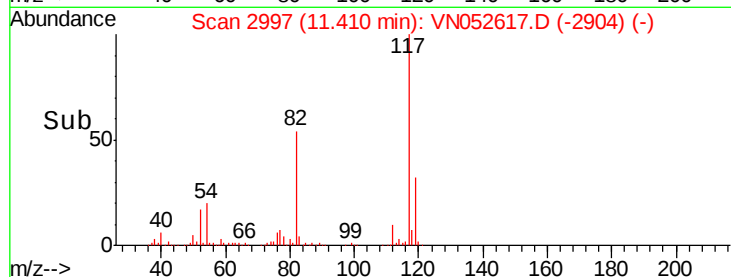
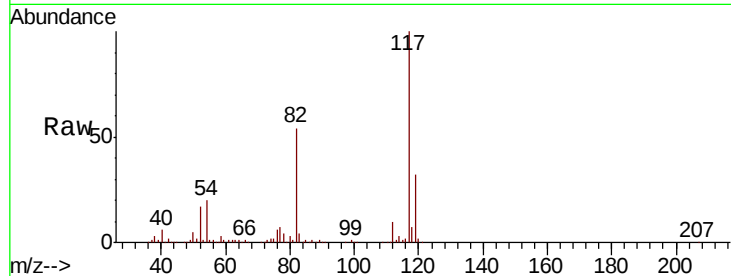




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

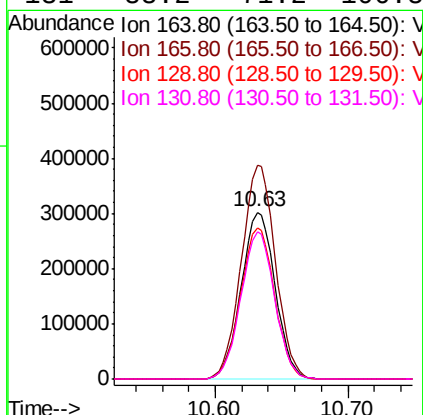
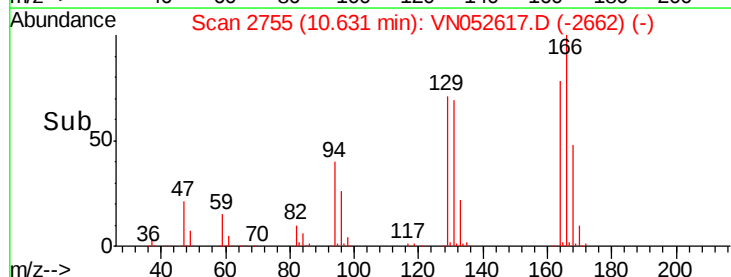
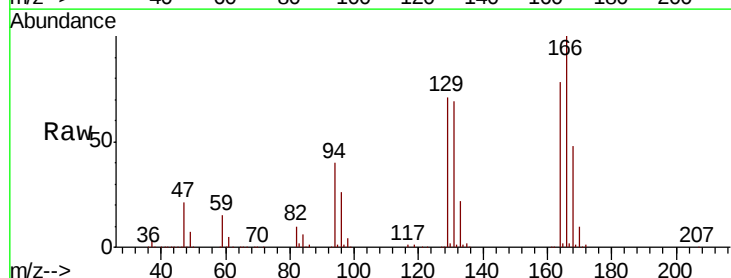
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

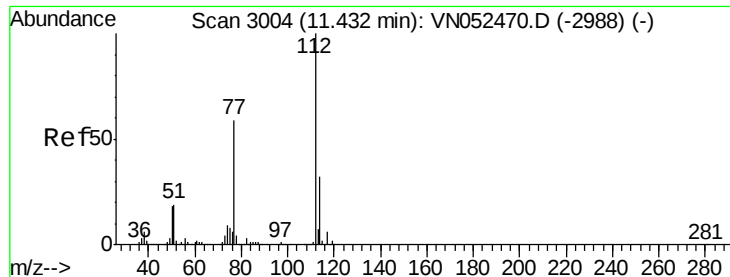
Tot Ion:117 Resp: 1491492
Ion Ratio Lower Upper
117 100
82 54.0 43.6 65.4
119 32.0 25.4 38.2



#64
Tetrachloroethene
Concen: 46.437 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:164 Resp: 536991
Ion Ratio Lower Upper
164 100
166 128.2 101.0 151.4
129 91.0 73.8 110.6
131 88.2 71.2 106.8





#65

Chlorobenzene

Concen: 46.738 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

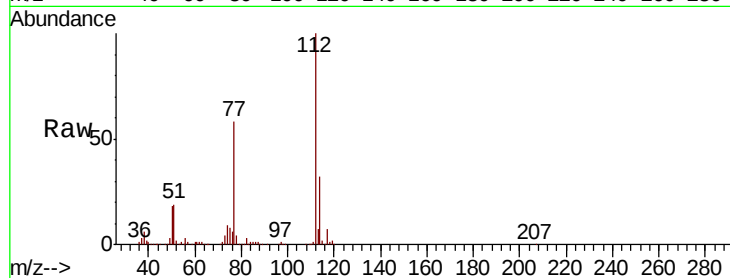
VSTDCCC050EC

Tot Ion:112 Resp: 1437405

Ion Ratio Lower Upper

112 100

114 31.7 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

800000

600000

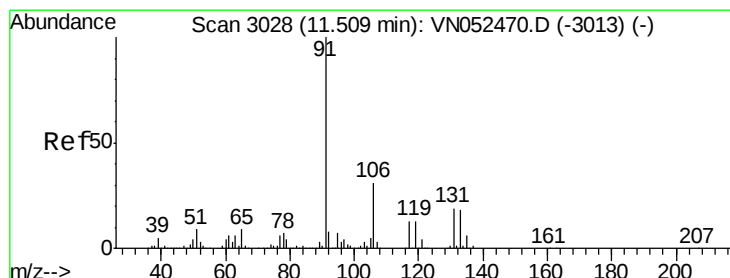
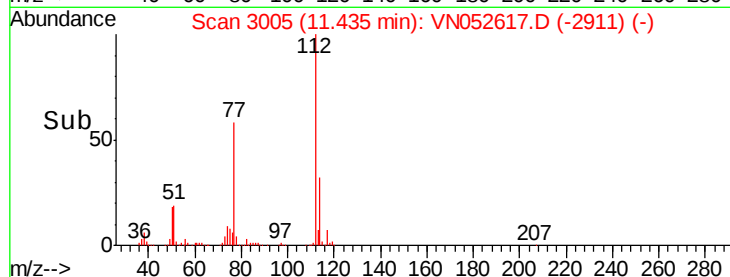
400000

200000

0

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.597 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

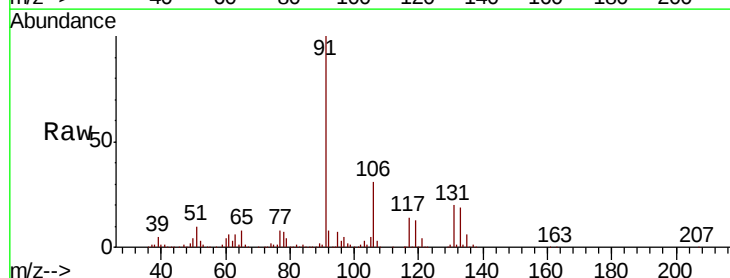
Tgt Ion:131 Resp: 508975

Ion Ratio Lower Upper

131 100

133 95.9 47.6 142.8

119 67.9 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

300000

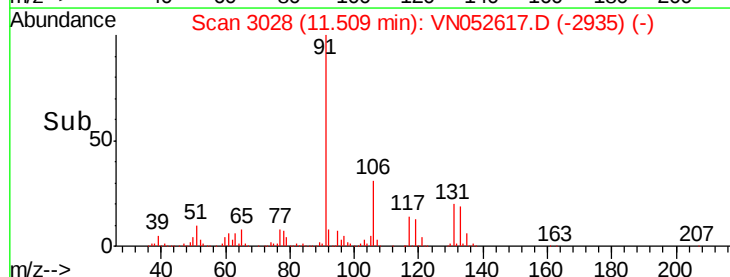
200000

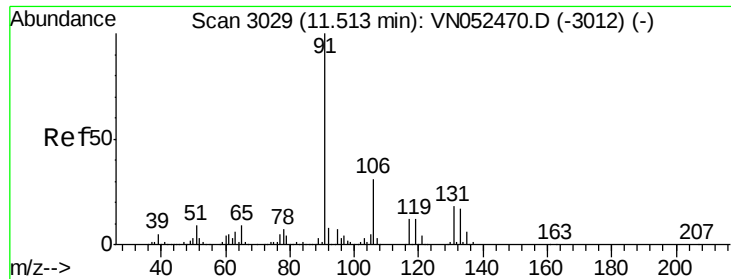
100000

0

11.45 11.50 11.55 11.60

Time-->

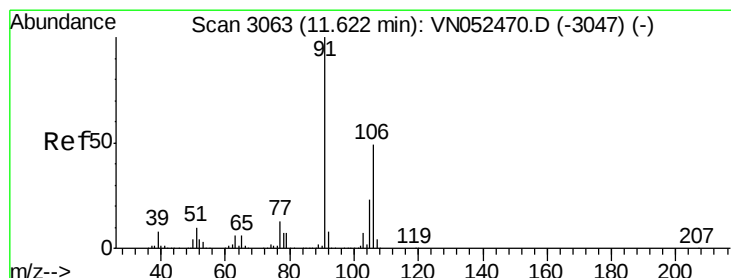
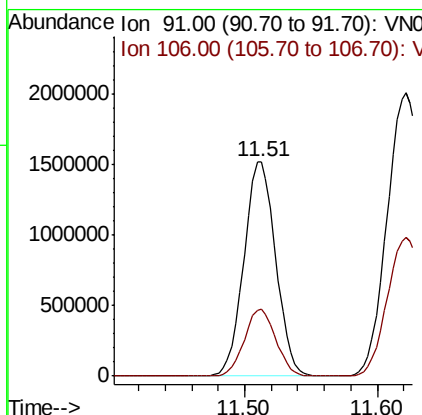
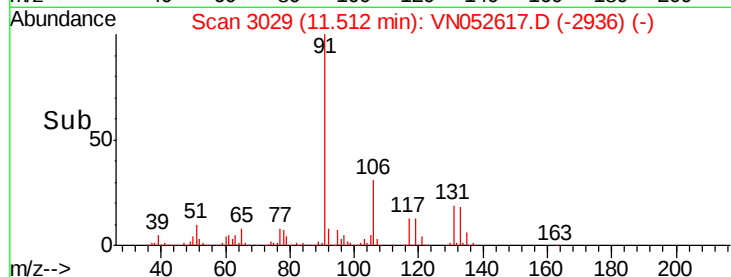
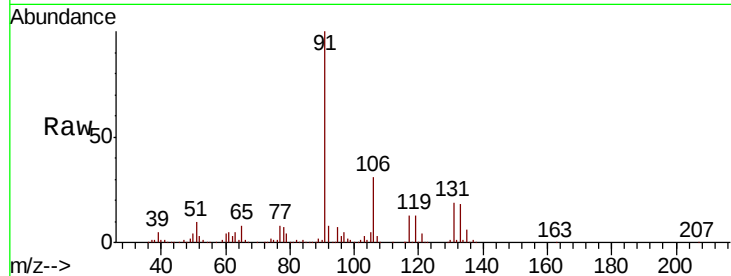




#67
Ethyl Benzene
Concen: 47.014 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

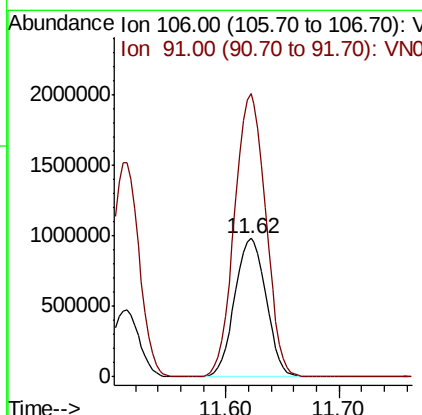
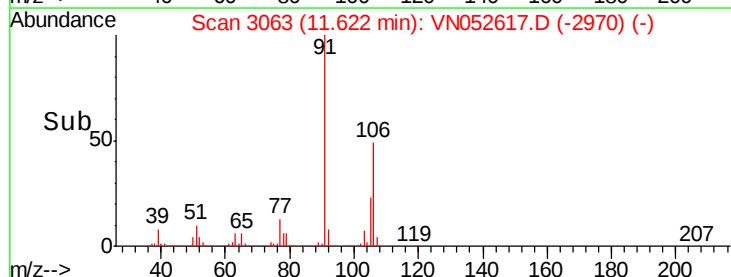
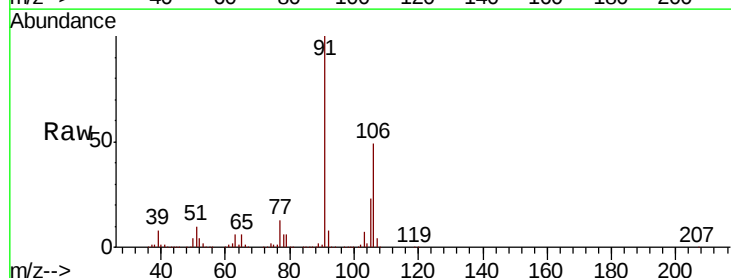
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

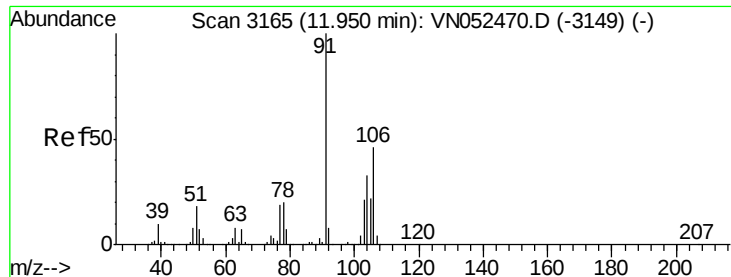
Tot Ion: 91 Resp: 2532022
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 94.976 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 106 Resp: 1904205
Ion Ratio Lower Upper
106 100
91 203.0 163.2 244.8

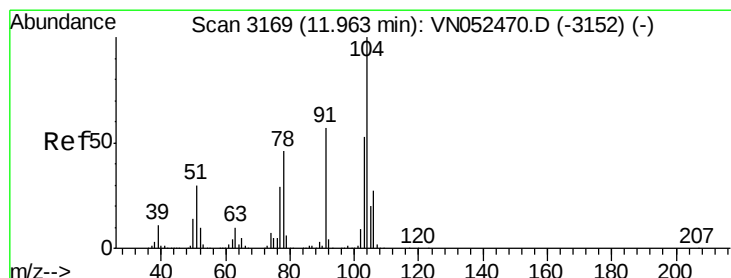
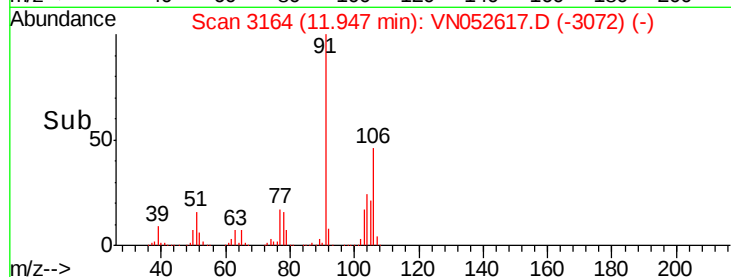
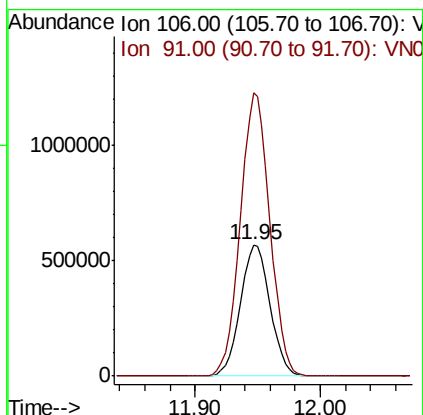
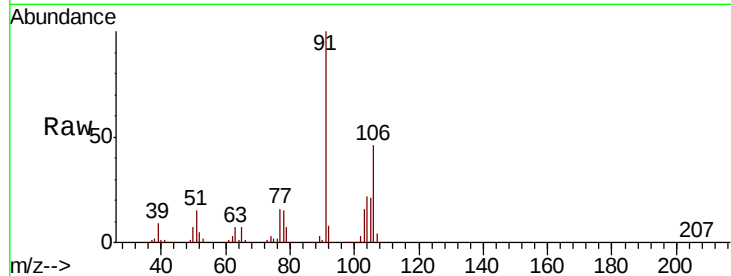




#69
o-Xylene
Concen: 47.939 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

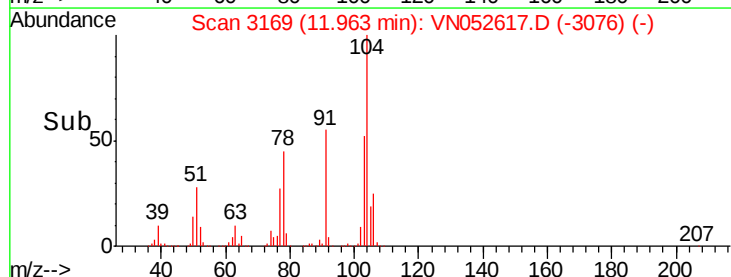
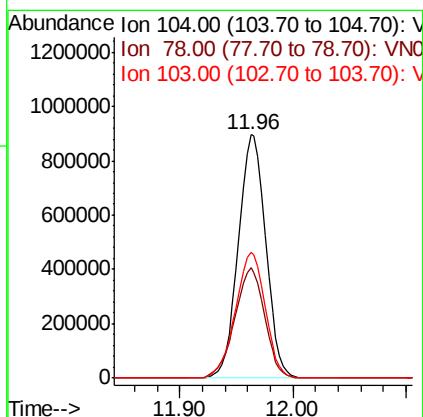
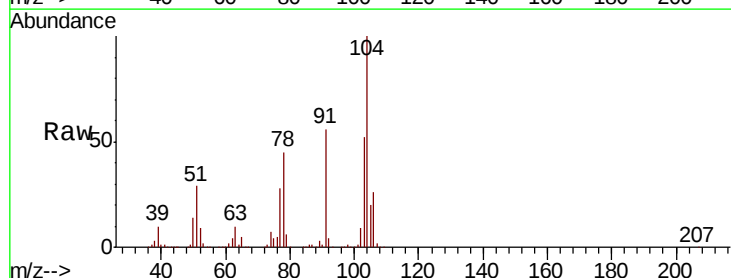
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

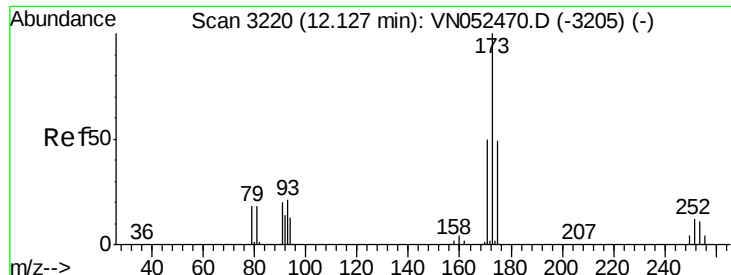
Tot Ion:106 Resp: 933355
Ion Ratio Lower Upper
106 100
91 214.3 107.7 323.1



#70
Styrene
Concen: 49.000 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:104 Resp: 1519508
Ion Ratio Lower Upper
104 100
78 49.1 39.4 59.2
103 55.8 44.9 67.3

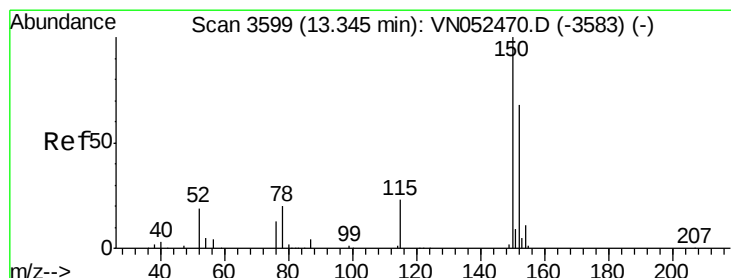
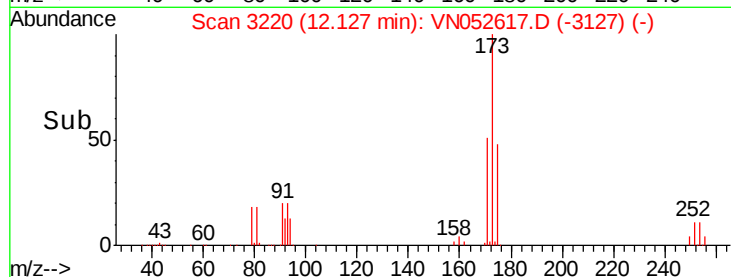
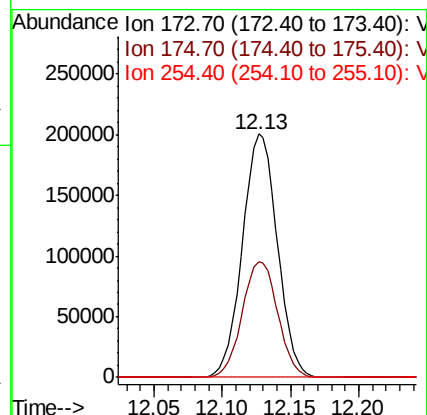
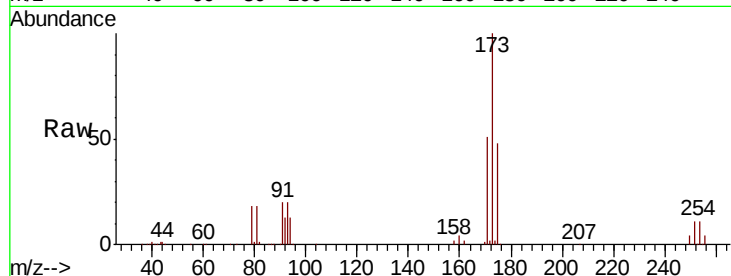




#71
Bromoform
Concen: 50.286 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

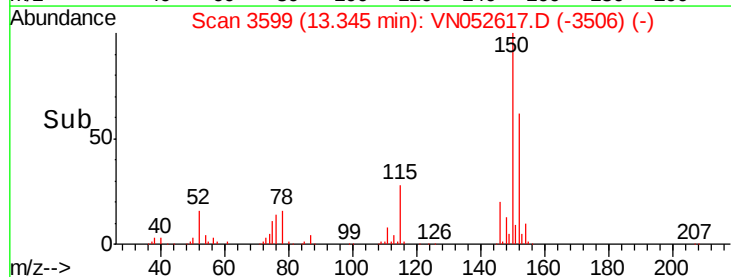
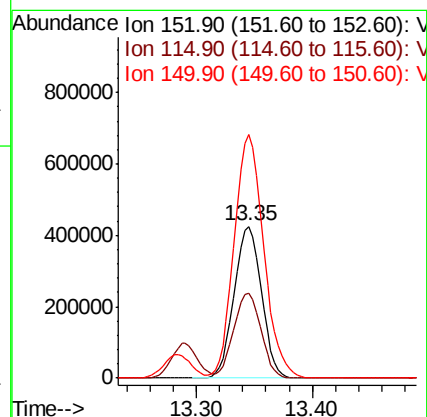
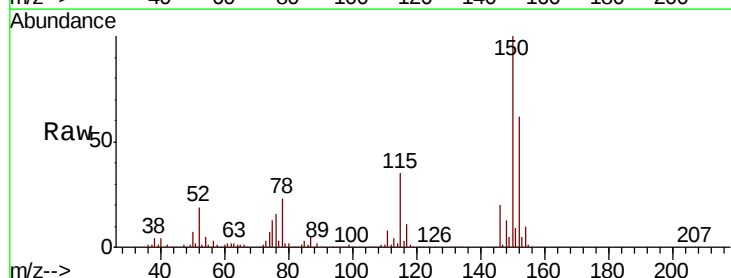
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

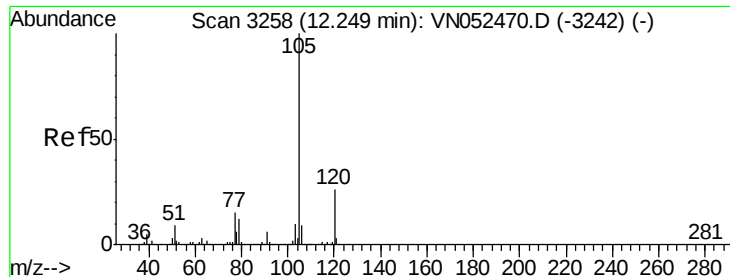
Tot Ion:173 Resp: 356042
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.2
254 0.1 0.1 0.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion:152 Resp: 690320
Ion Ratio Lower Upper
152 100
115 56.0 28.4 85.2
150 173.7 0.0 346.0





#73

Isopropylbenzene

Concen: 46.050 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

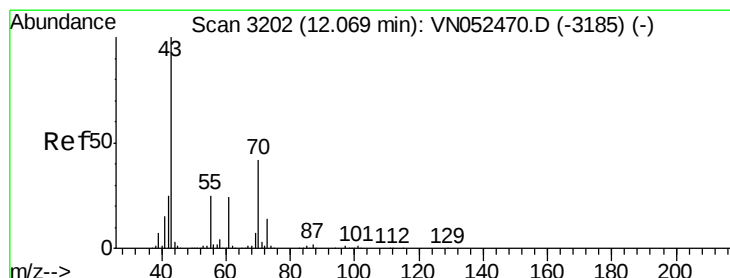
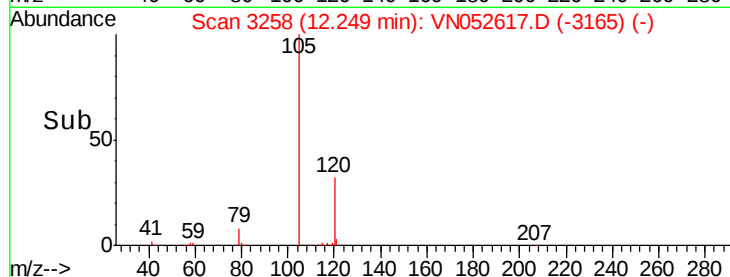
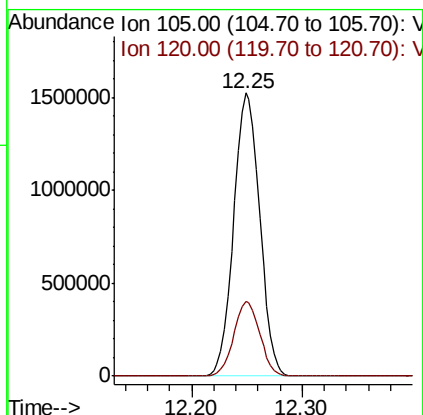
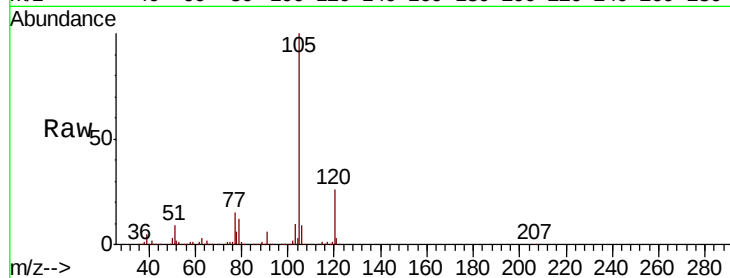
VSTDCCC050EC

Tot Ion:105 Resp: 2494036

Ion Ratio Lower Upper

105 100

120 26.3 13.1 39.3



#74

N-ethyl acetate

Concen: 52.161 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Tgt Ion: 43 Resp: 713710

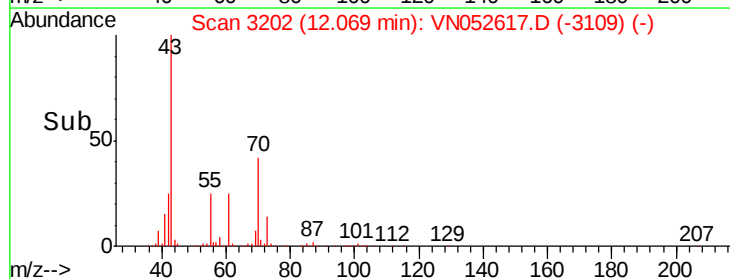
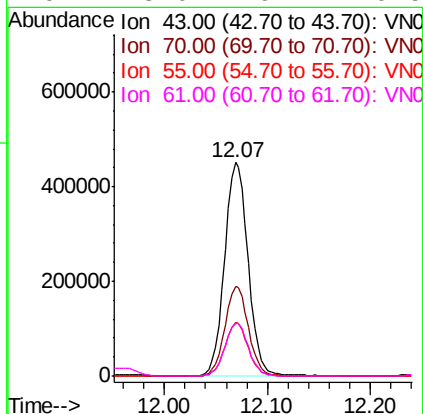
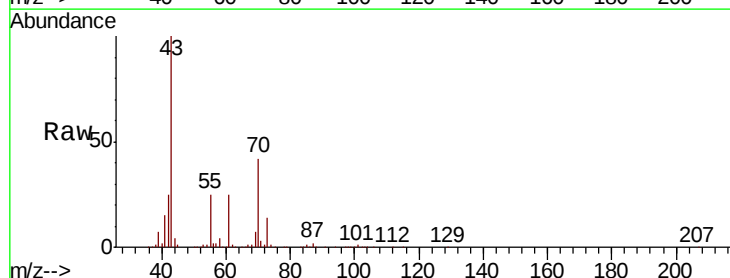
Ion Ratio Lower Upper

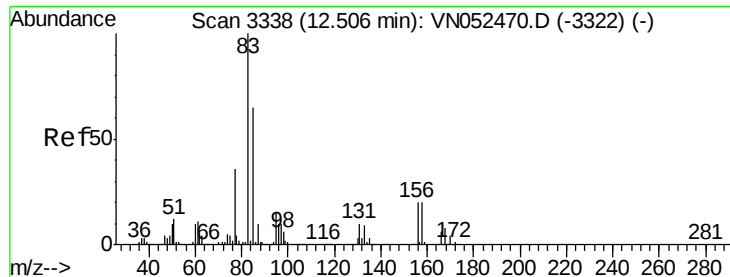
43 100

70 42.0 33.8 50.8

55 24.9 20.0 30.0

61 25.0 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.646 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

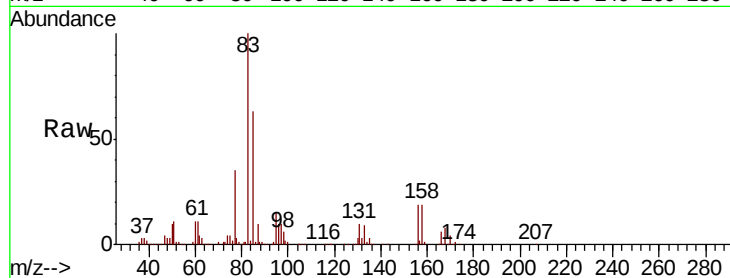
Tot Ion: 83 Resp: 574687

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

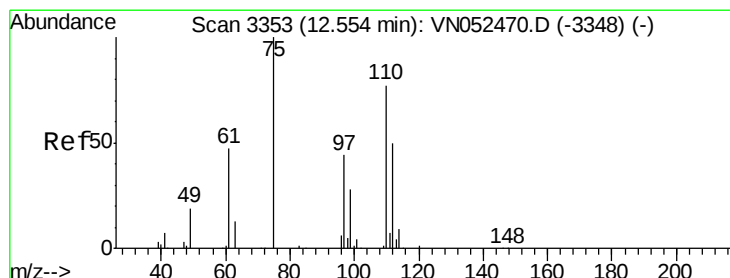
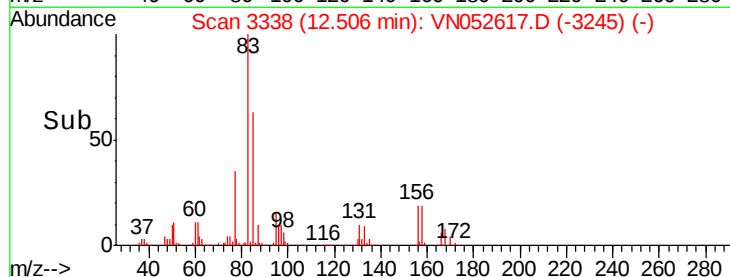
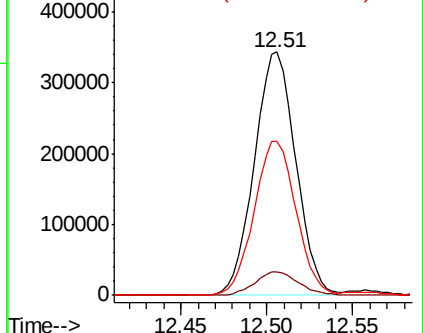
85 63.9 31.9 95.9



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: 67.803 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052617.D

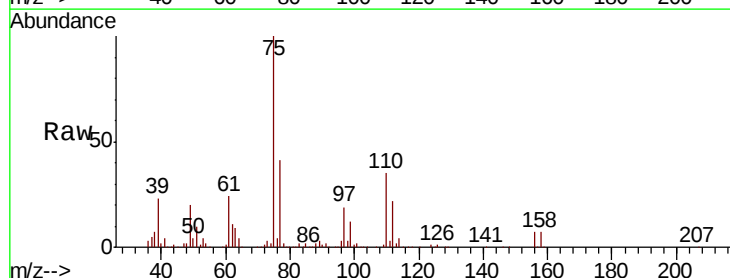
Acq: 30 Nov 2018 19:48

Tgt Ion: 75 Resp: 721769

Ion Ratio Lower Upper

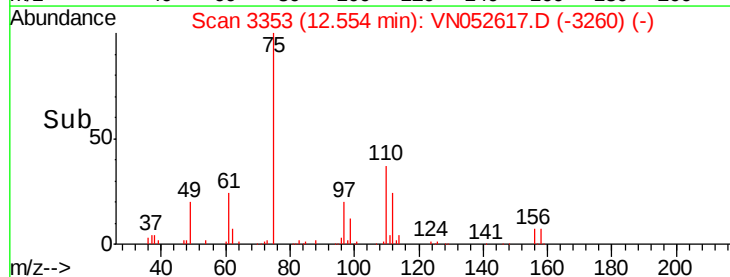
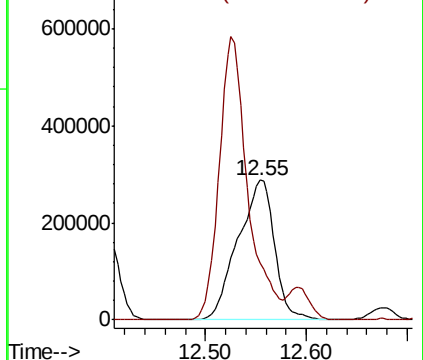
75 100

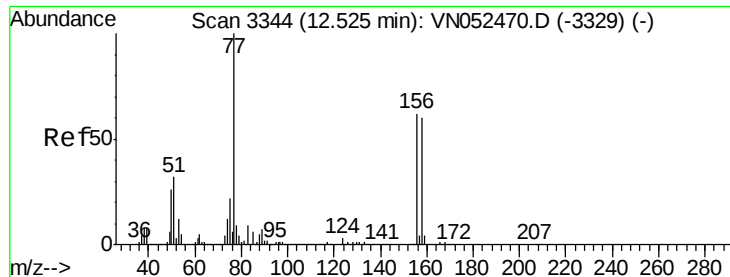
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 46.336 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

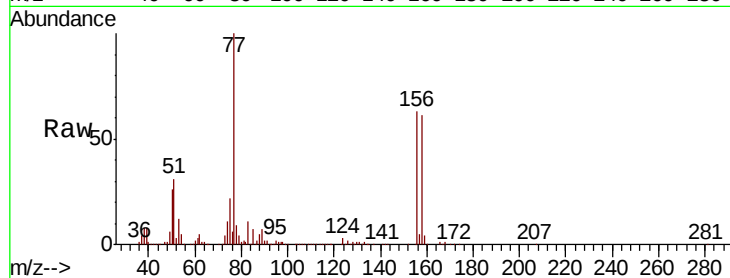
Tot Ion:156 Resp: 620286

Ion Ratio Lower Upper

156 100

77 185.9 93.5 280.4

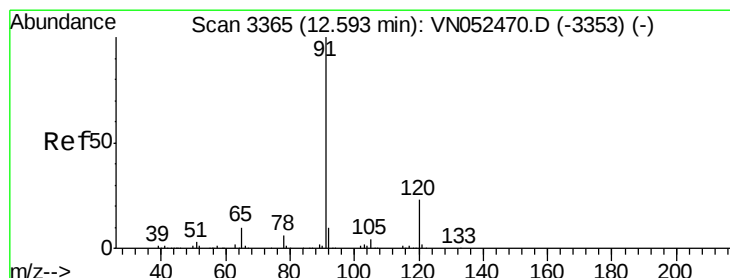
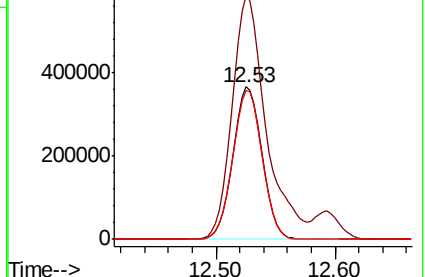
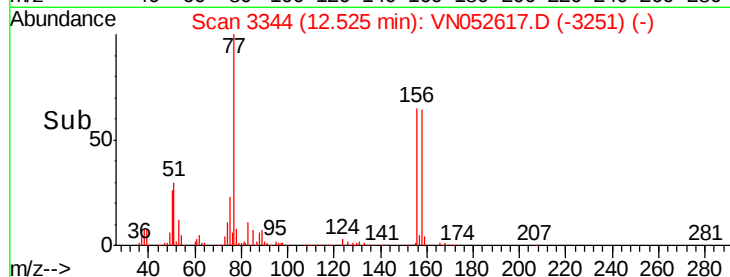
158 98.1 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.438 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052617.D

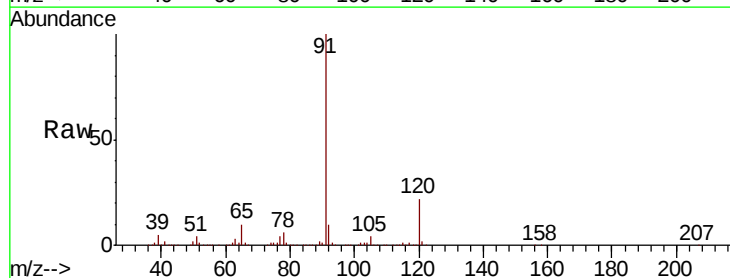
Acq: 30 Nov 2018 19:48

Tgt Ion: 91 Resp: 2857244

Ion Ratio Lower Upper

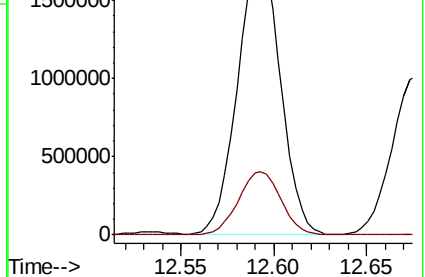
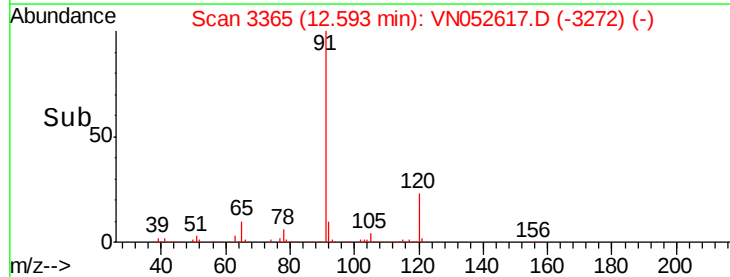
91 100

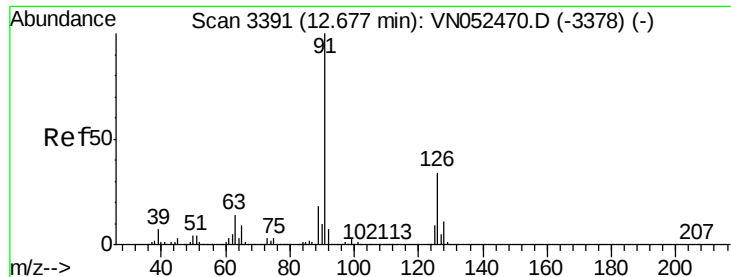
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.453 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

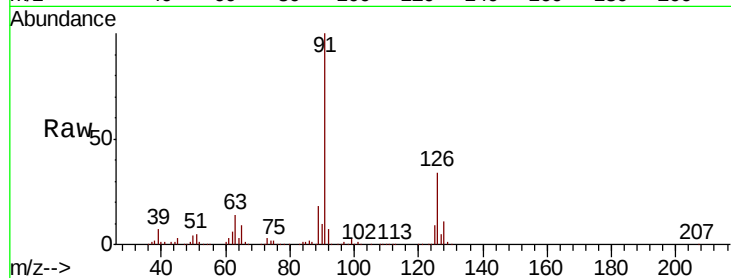
VSTDCCC050EC

Tot Ion: 91 Resp: 1665406

Ion Ratio Lower Upper

91 100

126 34.5 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052617.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052617.D (-3391) (-)

1500000

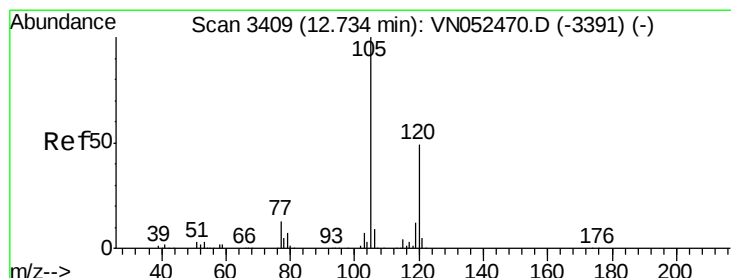
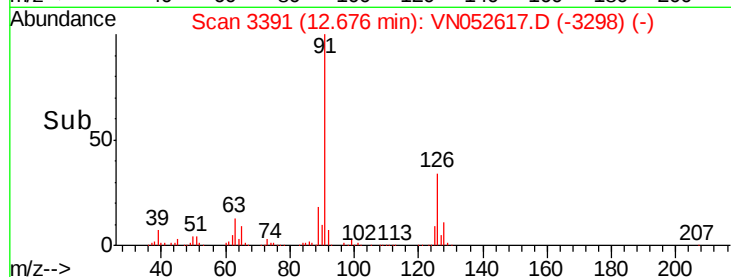
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.492 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052617.D

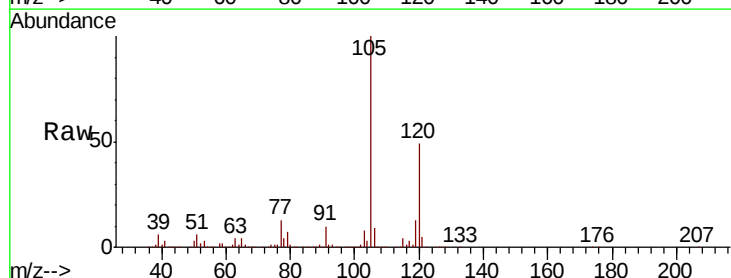
Acq: 30 Nov 2018 19:48

Tgt Ion:105 Resp: 2008224

Ion Ratio Lower Upper

105 100

120 48.6 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052617.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN052617.D (-3409) (-)

1500000

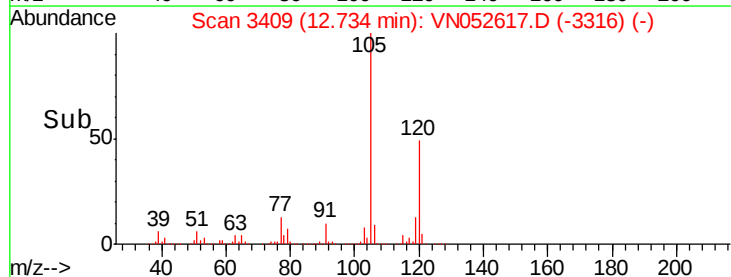
1000000

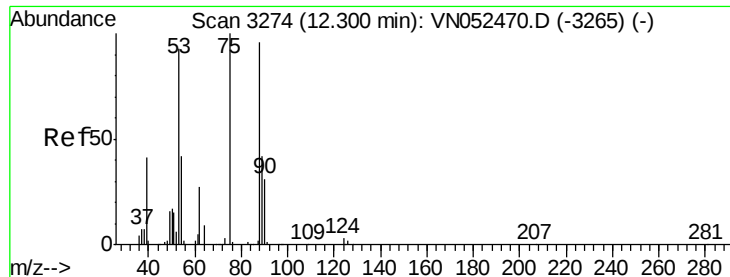
500000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.052 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

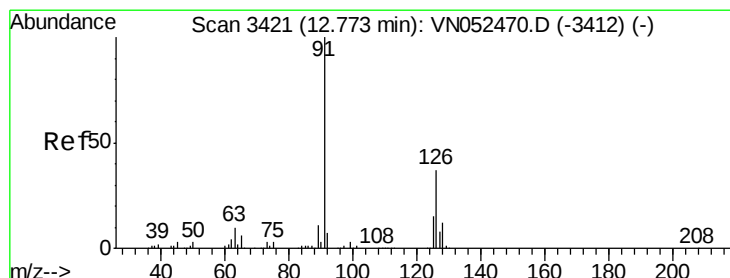
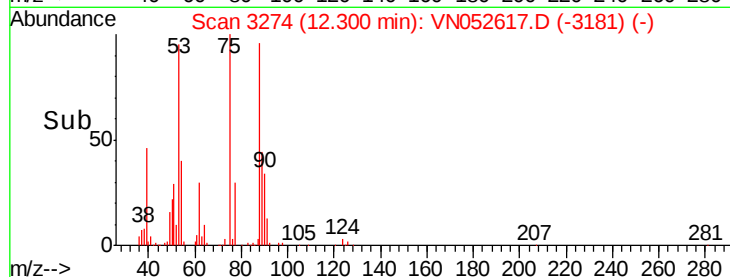
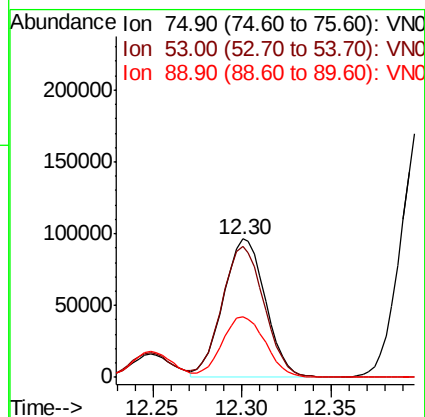
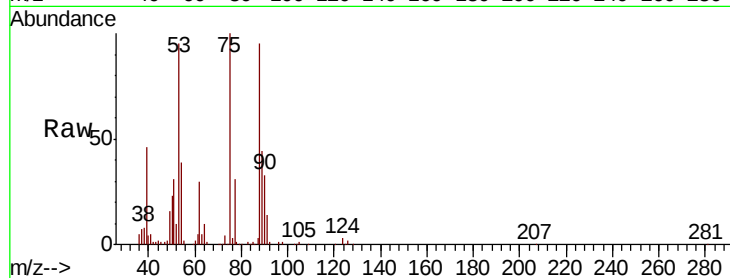
Tot Ion: 75 Resp: 159547

Ion Ratio Lower Upper

75 100

53 95.4 77.4 116.0

89 44.5 35.4 53.2



#82

4-Chlorotoluene

Concen: 45.881 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052617.D

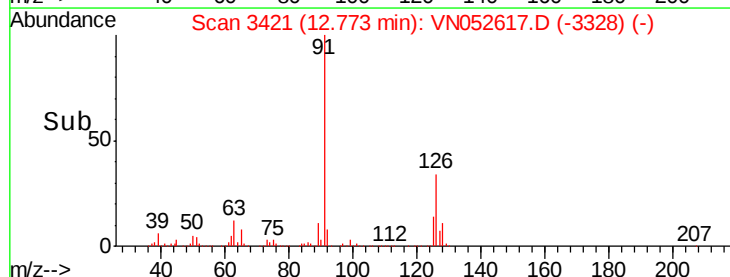
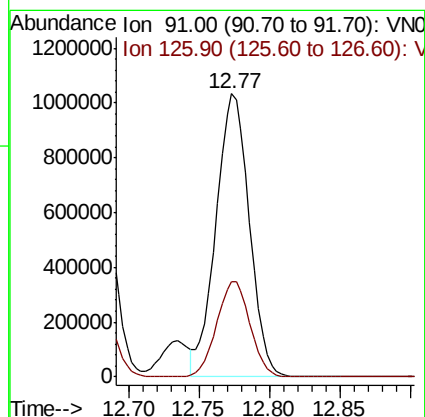
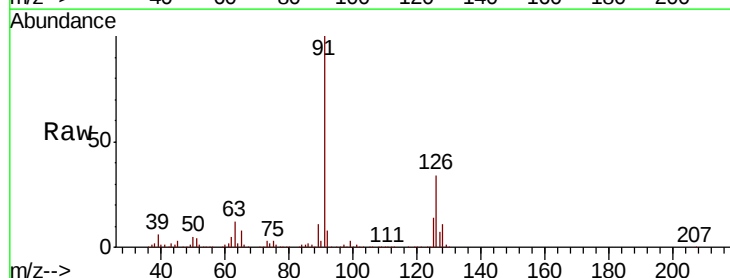
Acq: 30 Nov 2018 19:48

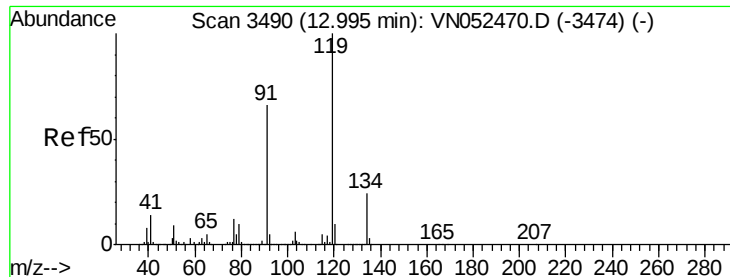
Tgt Ion: 91 Resp: 1694246

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.6





#83

tert-Butylbenzene

Concen: 45.907 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

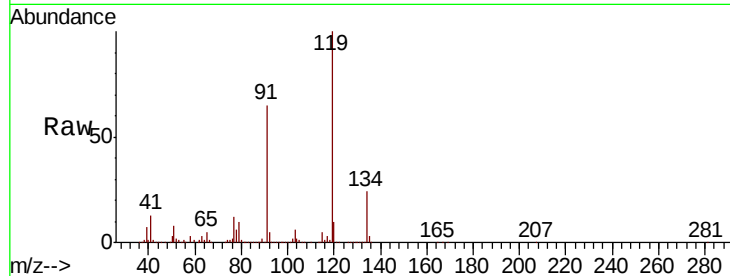
Tot Ion:119 Resp: 1767778

Ion Ratio Lower Upper

119 100

91 64.1 32.3 96.9

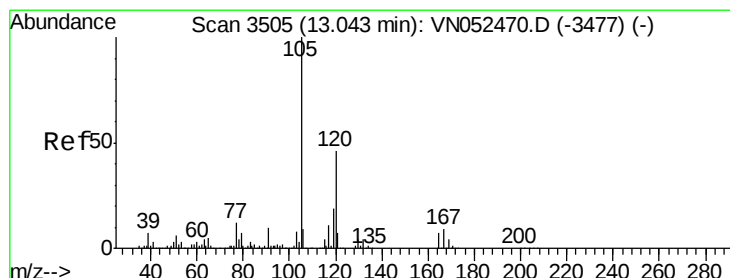
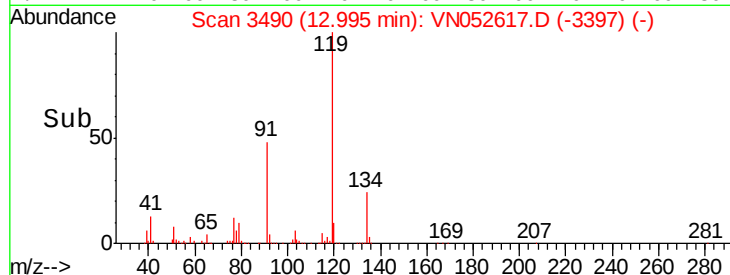
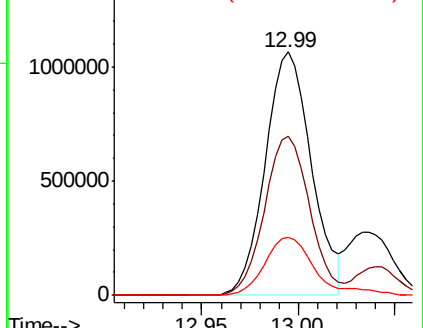
134 26.1 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 46.885 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN052617.D

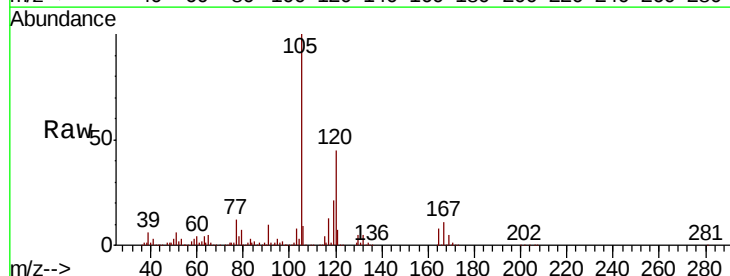
Acq: 30 Nov 2018 19:48

Tgt Ion:105 Resp: 2029580

Ion Ratio Lower Upper

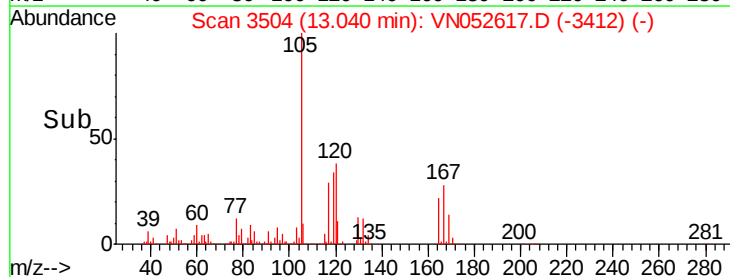
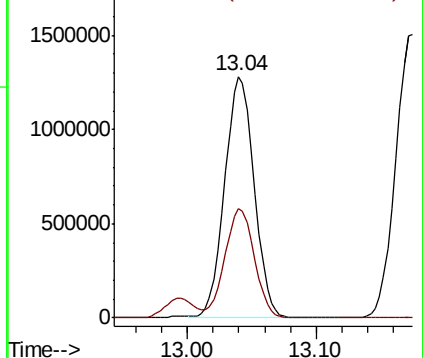
105 100

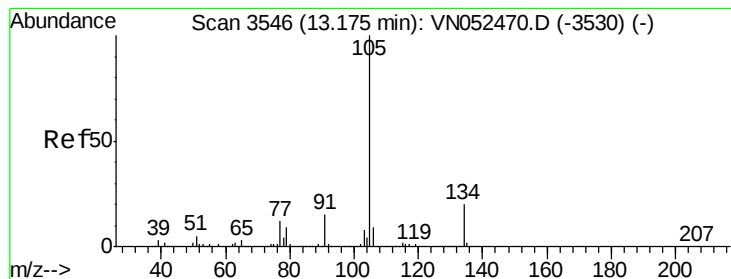
120 45.6 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.780 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

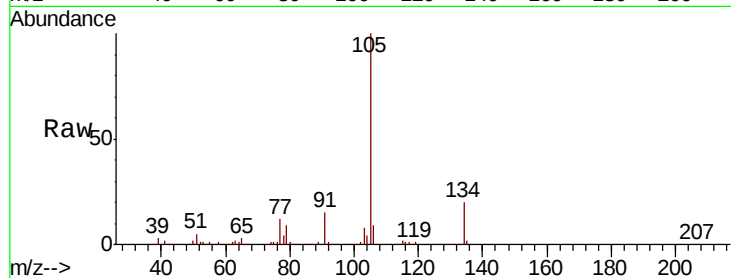
VSTDCCC050EC

Tot Ion:105 Resp: 2401106

Ion Ratio Lower Upper

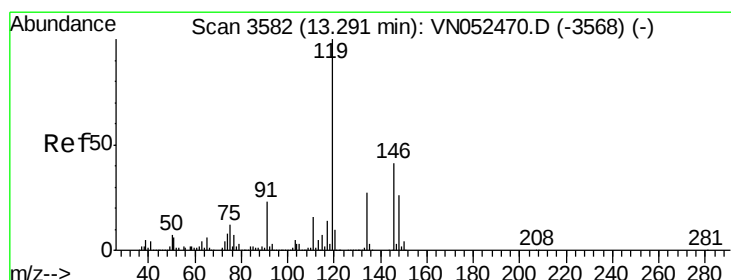
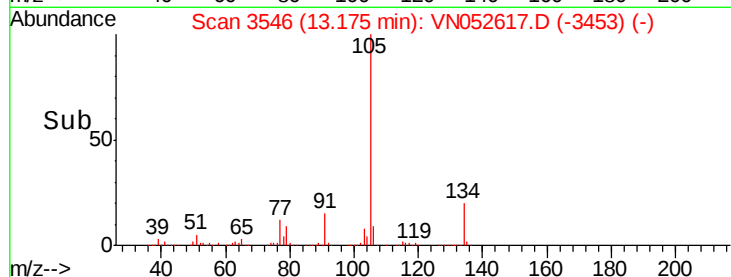
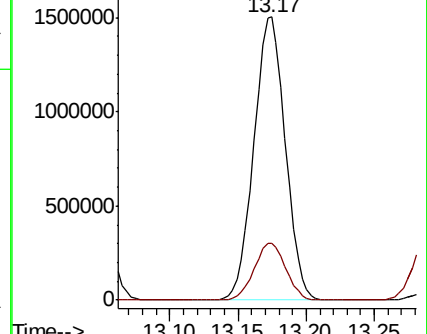
105 100

134 20.3 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 46.483 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

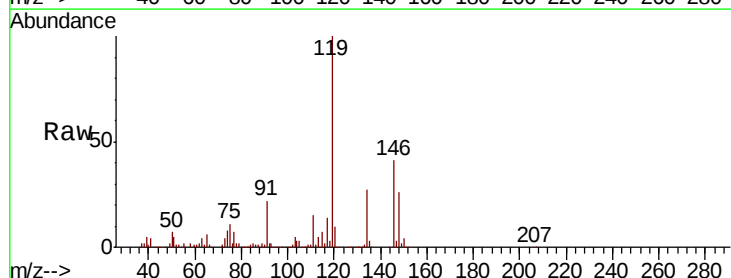
Tgt Ion:119 Resp: 2076524

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

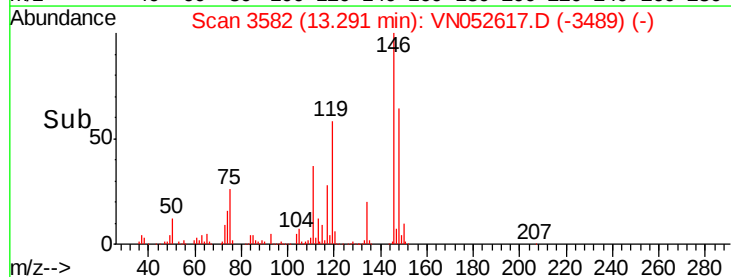
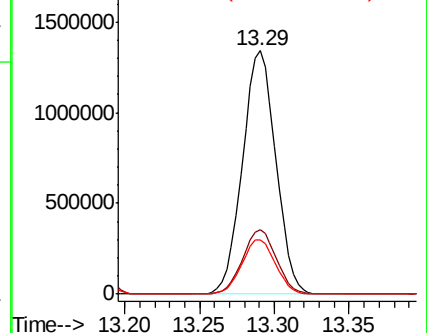
91 22.5 11.4 34.2

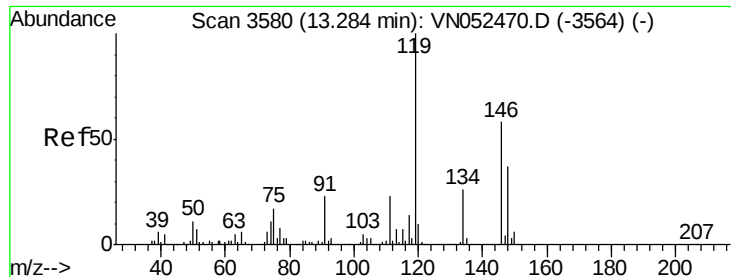


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.559 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

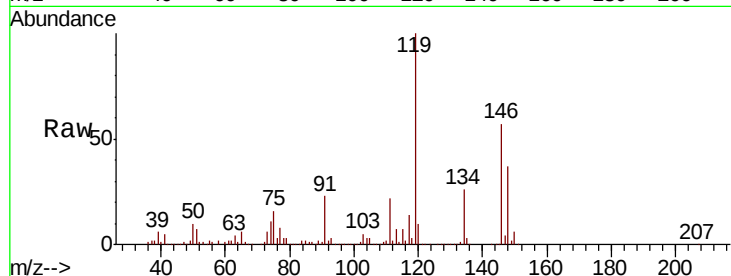
Tot Ion:146 Resp: 1090248

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

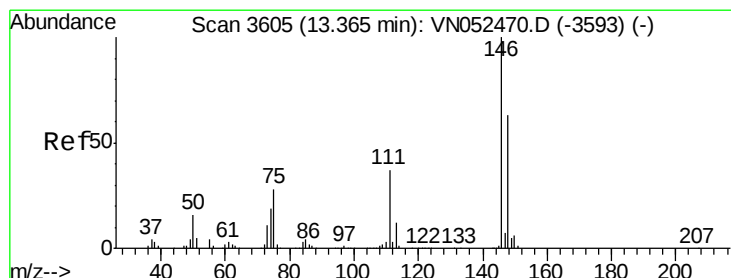
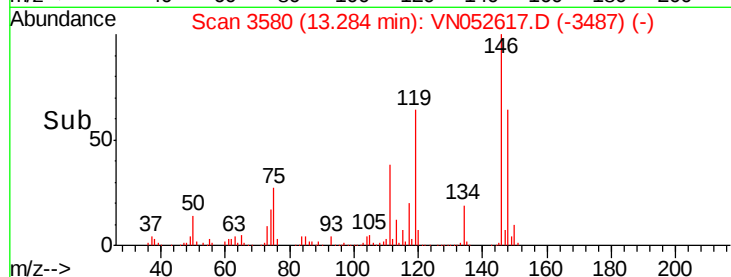
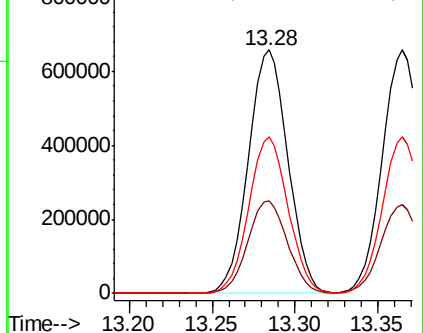
148 63.7 31.8 95.4



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: 46.642 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

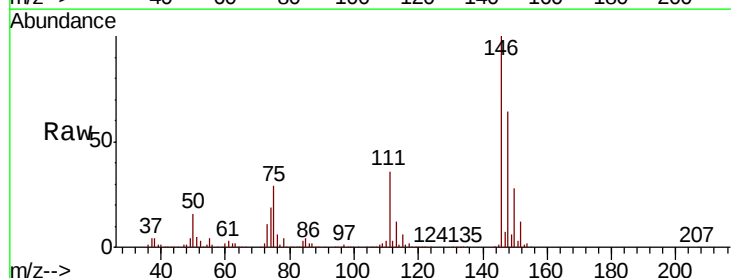
Tgt Ion:146 Resp: 1075804

Ion Ratio Lower Upper

146 100

111 37.3 18.6 56.0

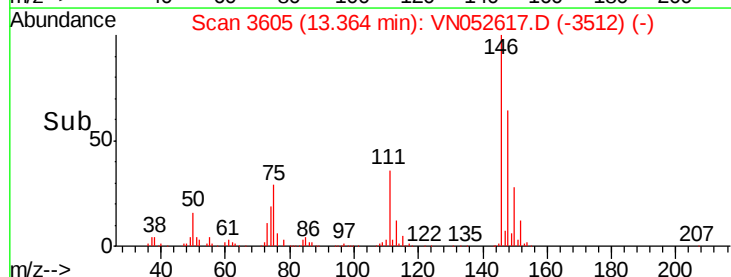
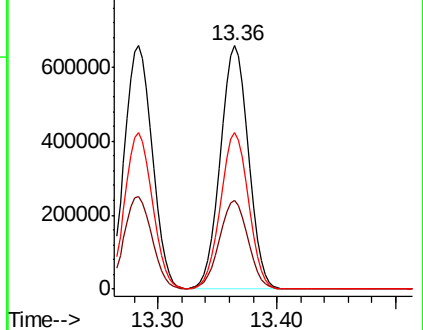
148 64.2 31.9 95.9

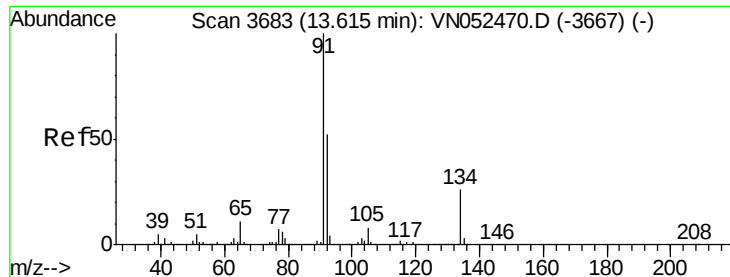


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

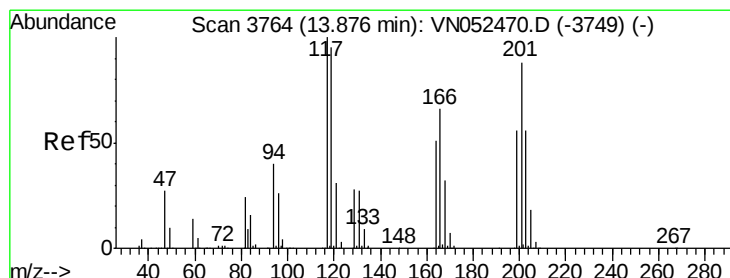
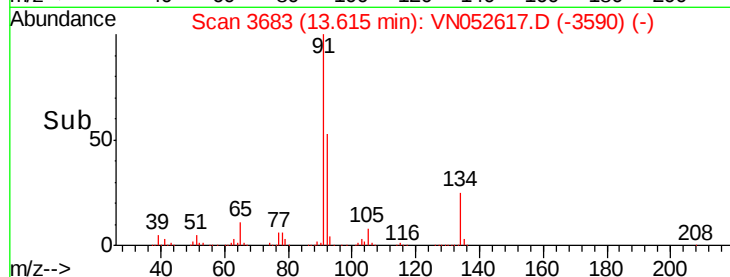
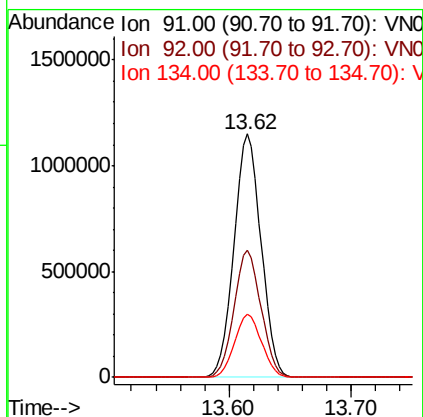
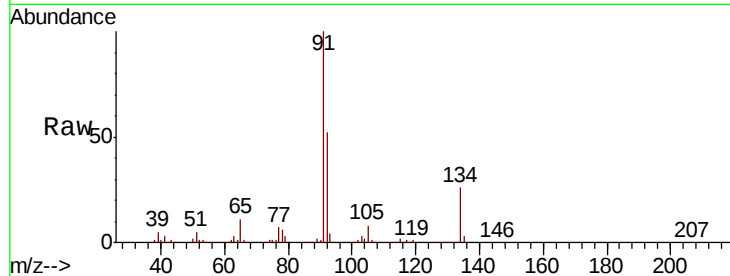




#89
n-Butylbenzene
Concen: 47.501 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

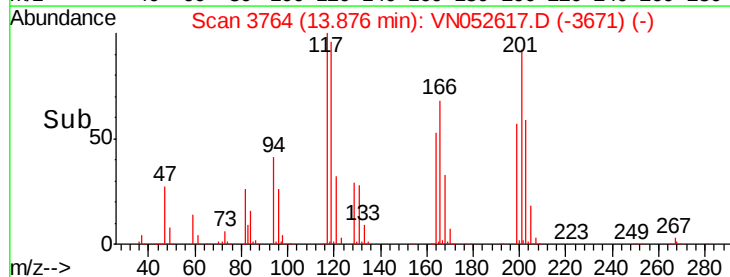
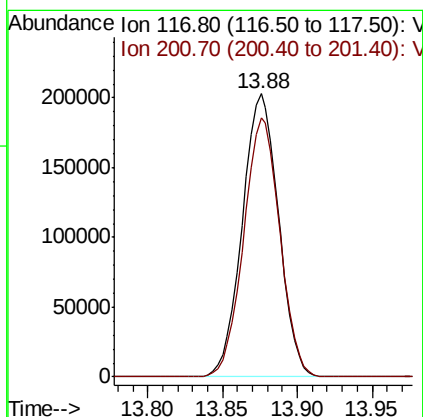
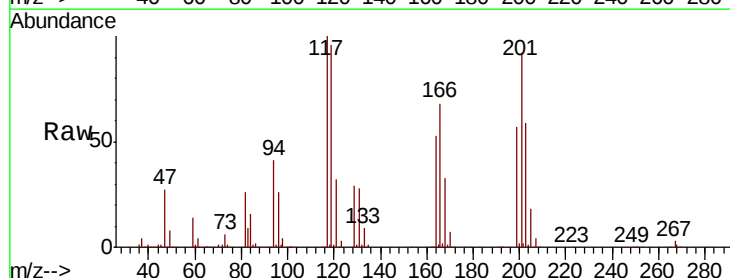
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

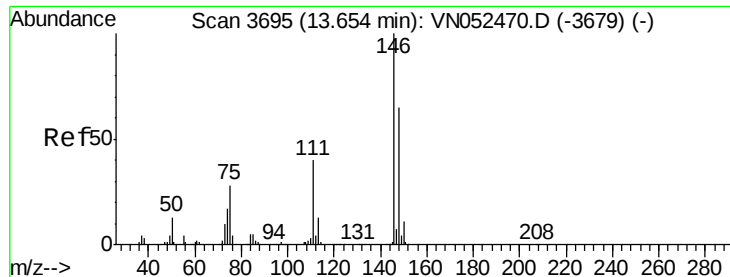
Tot Ion: 91 Resp: 1764765
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 26.0 13.0 38.9



#90
Hexachloroethane
Concen: 45.326 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN052617.D
Acq: 30 Nov 2018 19:48

Tgt Ion: 117 Resp: 342846
Ion Ratio Lower Upper
117 100
201 91.1 43.6 130.9





#91

1,2-Dichlorobenzene

Concen: 47.284 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

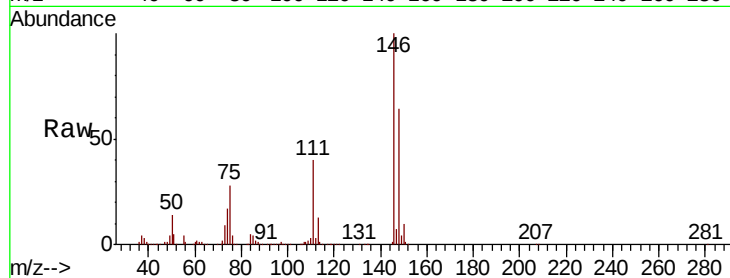
Tot Ion:146 Resp: 1057832

Ion Ratio Lower Upper

146 100

111 39.7 20.0 60.0

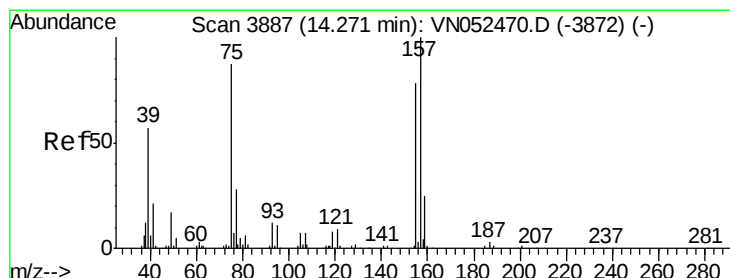
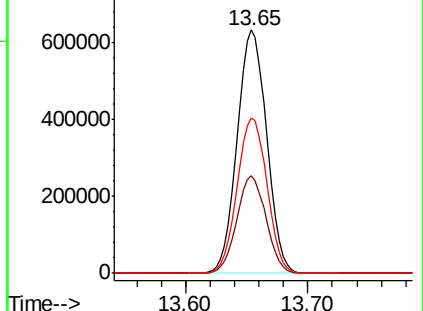
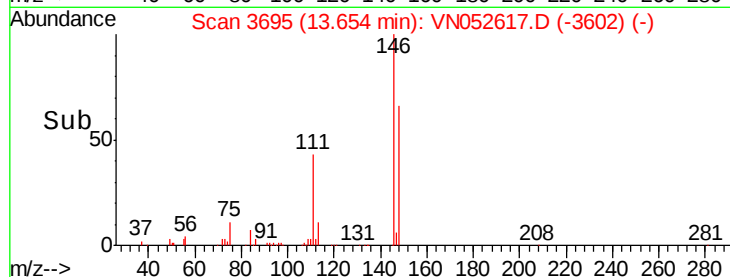
148 64.6 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.057 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

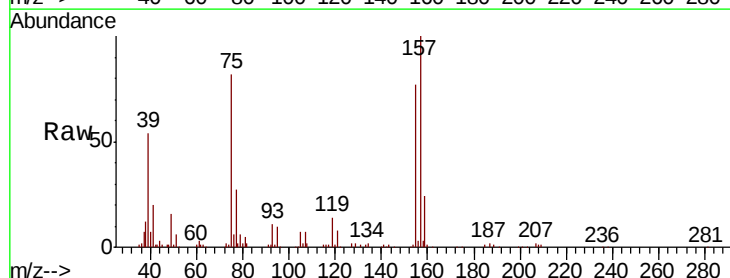
Tgt Ion: 75 Resp: 88203

Ion Ratio Lower Upper

75 100

155 93.1 45.3 135.9

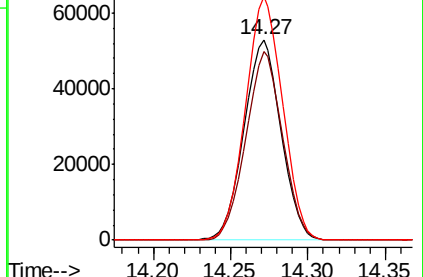
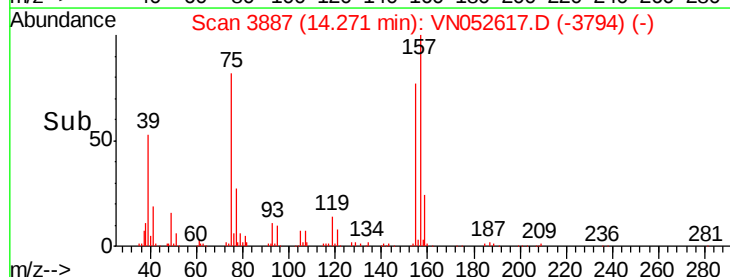
157 121.3 58.1 174.2

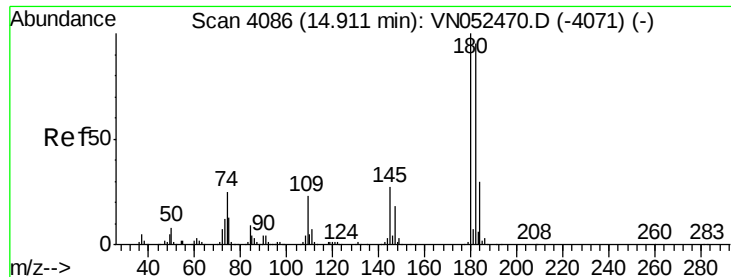


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

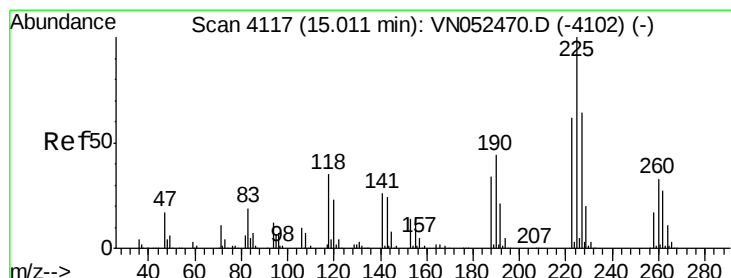
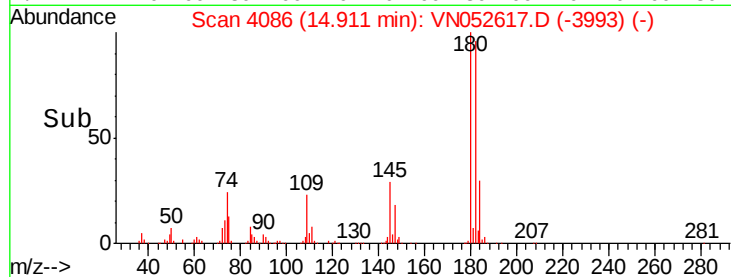
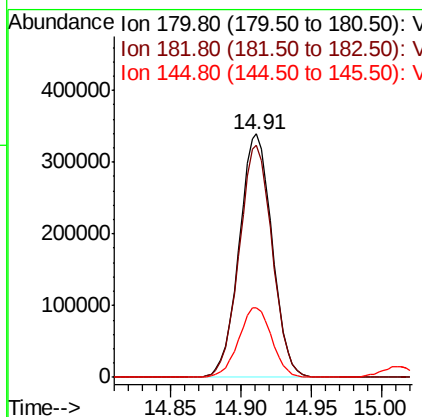
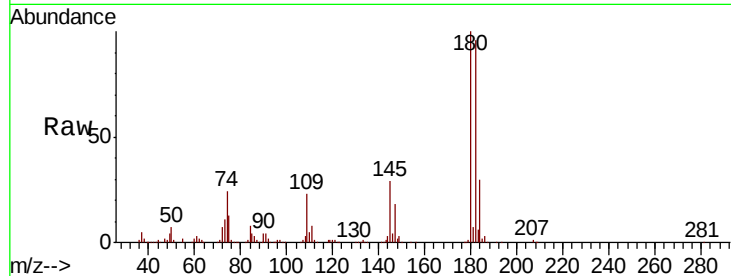




#93
 1,2,4-Trichlorobenzene
 Concen: 45.560 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

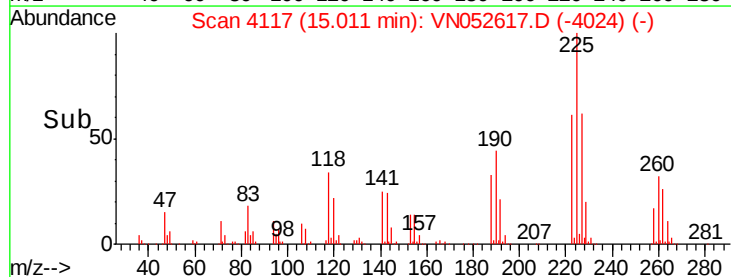
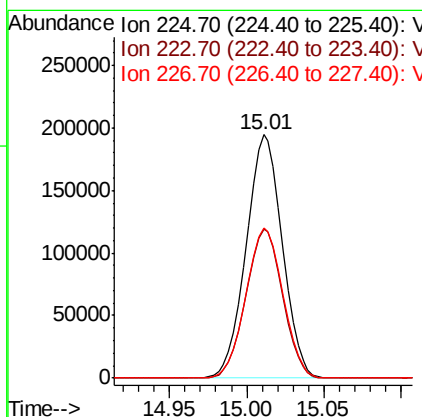
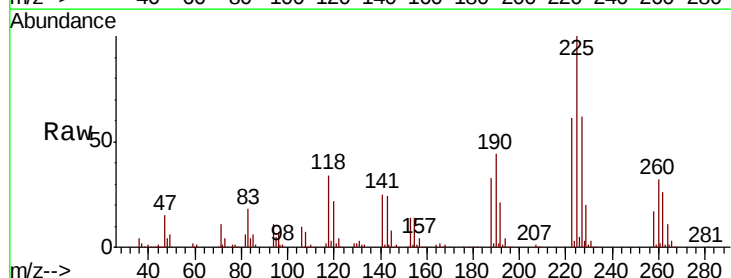
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

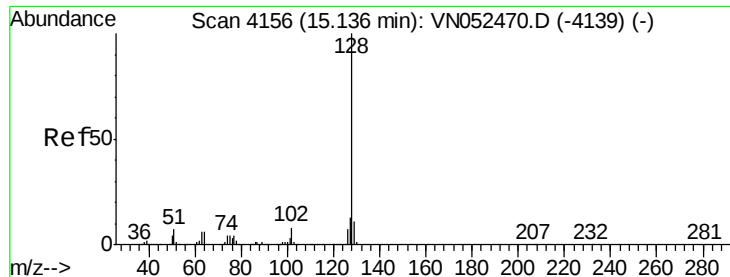
Tot Ion:180 Resp: 555092
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.8 143.4
 145 28.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 43.970 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052617.D
 Acq: 30 Nov 2018 19:48

Tgt Ion:225 Resp: 316460
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.4 94.2
 227 63.2 32.5 97.4





#95

Naphthalene

Concen: 46.423 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

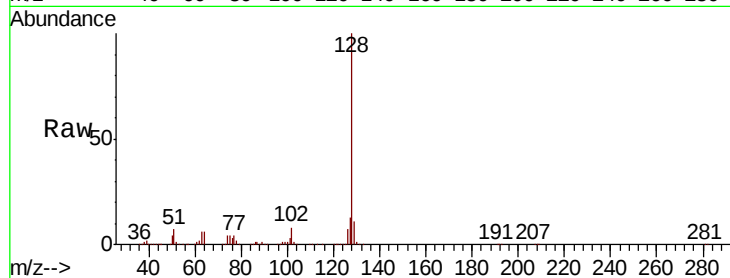
Tot Ion:128 Resp: 1199688

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

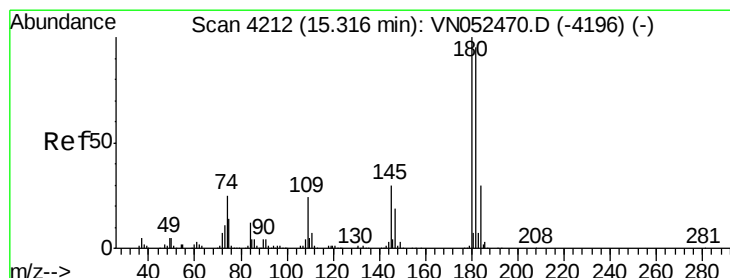
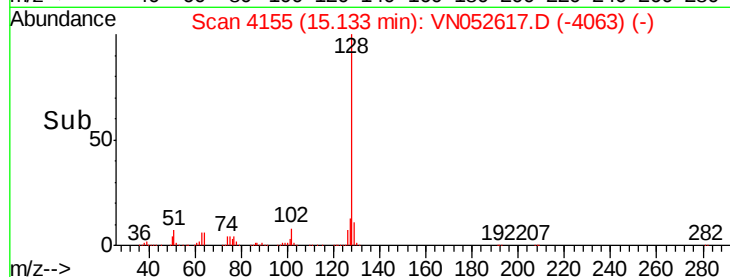
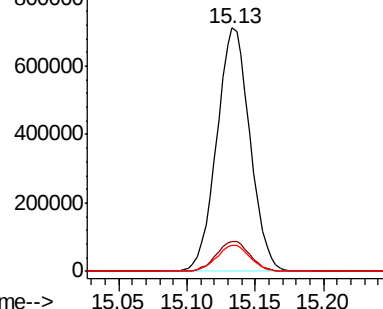
129 10.7 8.7 13.1



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: 45.733 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052617.D

Acq: 30 Nov 2018 19:48

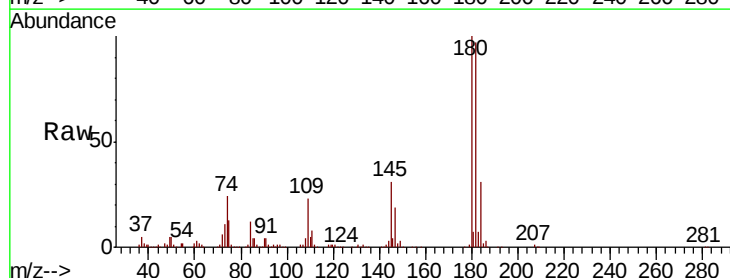
Tgt Ion:180 Resp: 512558

Ion Ratio Lower Upper

180 100

182 96.7 47.8 143.3

145 30.6 15.2 45.5



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

