

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050309.D
 Acq On : 3 Aug 2018 13:27
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 03 23:24:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602930	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	881725	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	812233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	429108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	410765	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
35) Dibromofluoromethane	7.59	113	363971	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.09	98	1334648	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	12.40	95	464046	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382764	44.18	ug/l	99
3) Chloromethane	2.06	50	360439	38.28	ug/l	100
4) Vinyl Chloride	2.18	62	405408	40.88	ug/l	98
5) Bromomethane	2.55	94	255601	46.34	ug/l	100
6) Chloroethane	2.69	64	241875	40.61	ug/l	100
7) Trichlorofluoromethane	3.01	101	555234	43.22	ug/l	100
8) Diethyl Ether	3.41	74	215133	50.23	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	356686	46.17	ug/l	100
10) Methyl Iodide	3.95	142	186508	18.81	ug/l	99
11) Tert butyl alcohol	4.80	59	186845	301.87	ug/l	100
12) 1,1-Dichloroethene	3.73	96	309495	44.54	ug/l	98
13) Acrolein	3.61	56	109195	219.57	ug/l	96
14) Allyl chloride	4.32	41	525407	48.76	ug/l	98
15) Acrylonitrile	5.00	53	728929	269.93	ug/l	99
16) Acetone	3.82	43	582629	294.81	ug/l	100
17) Carbon Disulfide	4.05	76	807318	37.92	ug/l	100
18) Methyl Acetate	4.33	43	517822	67.77	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	995155	53.74	ug/l	99
20) Methylene Chloride	4.55	84	371661	49.83	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	332599	45.17	ug/l	100
22) Diisopropyl ether	5.96	45	1135366	53.14	ug/l	100
23) Vinyl Acetate	5.90	43	3908633	258.87	ug/l	100
24) 1,1-Dichloroethane	5.85	63	652392	46.70	ug/l	99
25) 2-Butanone	6.84	43	909119	283.33	ug/l	100
26) 2,2-Dichloropropane	6.83	77	535041	50.34	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	395854	49.94	ug/l	100
28) Bromochloromethane	7.19	49	314322	49.33	ug/l	99
29) Tetrahydrofuran	7.22	42	580709	280.07	ug/l	100
30) Chloroform	7.37	83	677684	47.53	ug/l	100
31) Cyclohexane	7.65	56	529127	45.66	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	570877	46.81	ug/l	100
36) 1,1-Dichloropropene	7.79	75	487660	49.09	ug/l	100
37) Ethyl Acetate	6.93	43	372857	53.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	501062	47.54	ug/l	97

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Quant Time: Aug 03 23:24:14 2018
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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	510258	49.93	ug/l	99
40) Benzene	8.04	78	1487243	49.20	ug/l	100
41) Methacrylonitrile	7.18	41	185329	51.30	ug/l	91
42) 1,2-Dichloroethane	8.13	62	498915	49.47	ug/l	99
43) Isopropyl Acetate	8.17	43	694416	53.28	ug/l	99
44) Trichloroethene	8.84	130	385830	47.50	ug/l	99
45) 1,2-Dichloropropane	9.12	63	405648	50.66	ug/l	97
46) Dibromomethane	9.21	93	254352	51.16	ug/l	99
47) Bromodichloromethane	9.40	83	529731	50.49	ug/l	99
48) Methyl methacrylate	9.20	41	343233	57.54	ug/l	100
49) 1,4-Dioxane	9.21	88	99541	1226.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1991593	292.51	ug/l	100
52) Toluene	10.16	92	927839	52.00	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	546373	55.18	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	604105	53.39	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	370581	52.36	ug/l	99
56) Ethyl methacrylate	10.43	69	495687	51.63	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616516	53.49	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1033135	231.31	ug/l	100
59) 2-Hexanone	10.75	43	1370058	273.35	ug/l	99
60) Dibromochloromethane	10.90	129	417164	53.24	ug/l	98
61) 1,2-Dibromoethane	11.01	107	366005	52.12	ug/l	98
64) Tetrachloroethene	10.63	164	359221	46.00	ug/l	99
65) Chlorobenzene	11.44	112	1018527	49.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	396798	50.33	ug/l	100
67) Ethyl Benzene	11.51	91	1748771	53.06	ug/l	100
68) m/p-Xylenes	11.62	106	1352334	108.48	ug/l	100
69) o-Xylene	11.95	106	648882	54.60	ug/l	99
70) Styrene	11.97	104	1076068	50.90	ug/l	99
71) Bromoform	12.13	173	304614	53.12	ug/l #	100
73) Isopropylbenzene	12.25	105	1747939	52.52	ug/l	100
74) N-amyl acetate	12.07	43	547050	53.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	501161	56.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	607773	76.21	ug/l #	100
77) Bromobenzene	12.53	156	448793	48.66	ug/l	98
78) n-propylbenzene	12.59	91	2017746	54.24	ug/l	100
79) 2-Chlorotoluene	12.68	91	1198706	51.99	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1440831	55.04	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	136560	54.32	ug/l	99
82) 4-Chlorotoluene	12.78	91	1206108	52.83	ug/l	99
83) tert-Butylbenzene	12.99	119	1245360	54.51	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1479814	56.08	ug/l	99
85) sec-Butylbenzene	13.17	105	1678568	54.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	1457248	56.66	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	799650	51.14	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	781777	51.30	ug/l	100
89) n-Butylbenzene	13.62	91	1191102	56.32	ug/l	99
90) Hexachloroethane	13.88	117	267348	46.81	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	790570	50.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	79573	53.72	ug/l	98

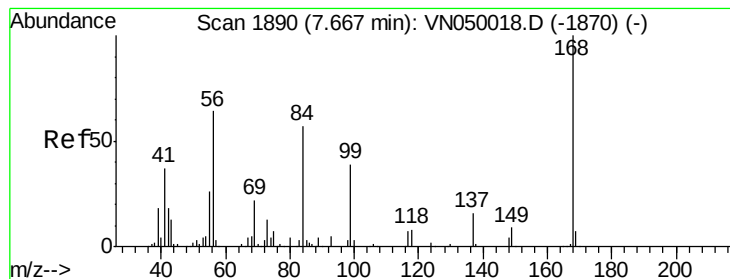
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	406142	49.06	ug/l	97
94) Hexachlorobutadiene	15.01	225	244275	51.05	ug/l	99
95) Naphthalene	15.14	128	950395	48.63	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	416229	51.48	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

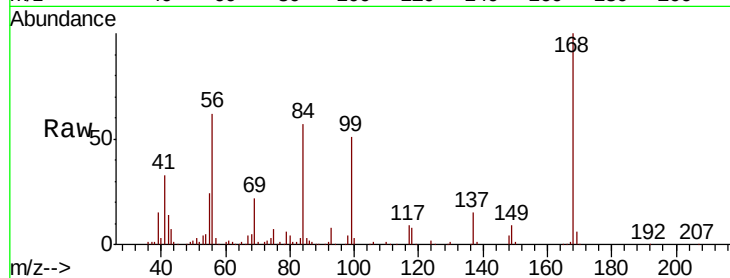
VSTDCCC050

Tot Ion:168 Resp: 602930

Ion Ratio Lower Upper

168 100

99 50.5 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

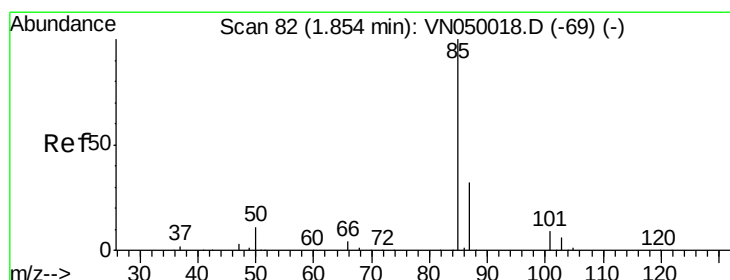
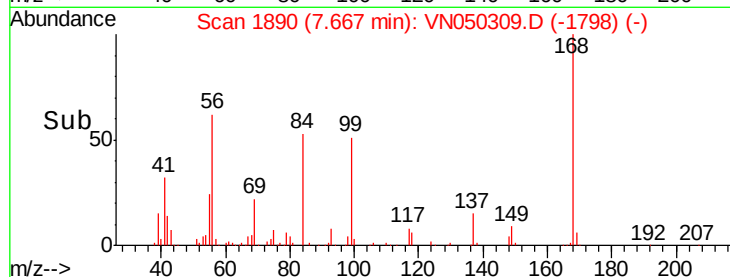
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.18 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050309.D

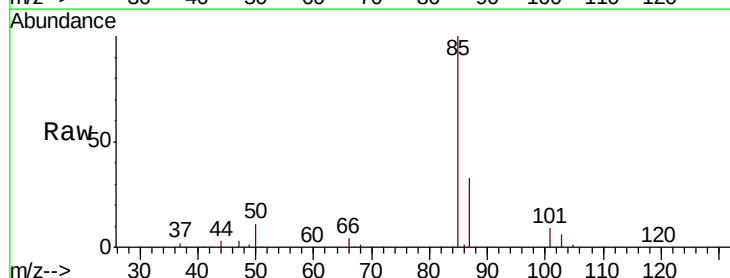
Acq: 3 Aug 2018 13:27

Tgt Ion: 85 Resp: 382764

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050018.D (-69) (-)

1.85

250000

200000

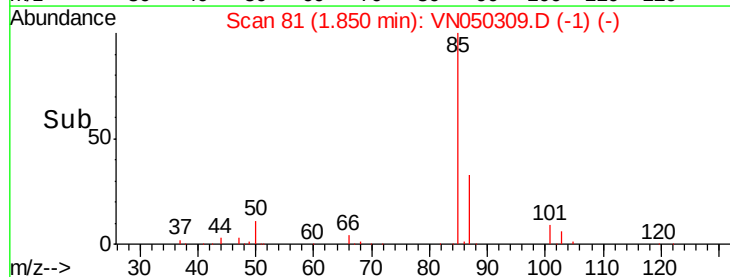
150000

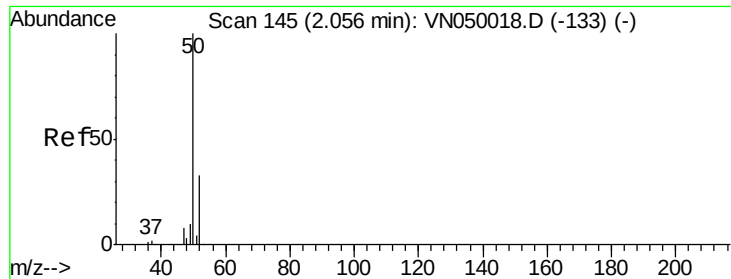
100000

50000

0

Time-->





#3

Chloromethane

Concen: 38.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

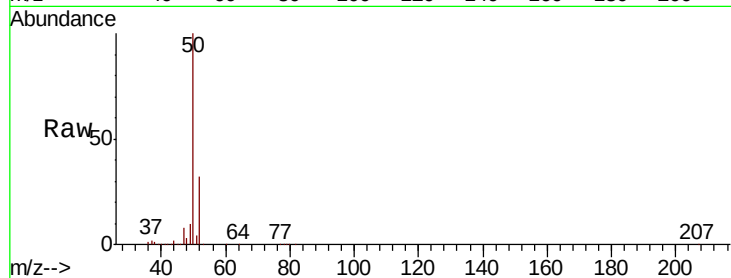
VSTDCCC050

Tot Ion: 50 Resp: 360439

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050309.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050309.D (-52) (-)

2.06

300000

250000

200000

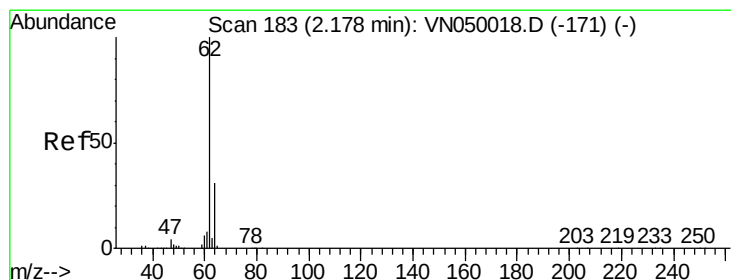
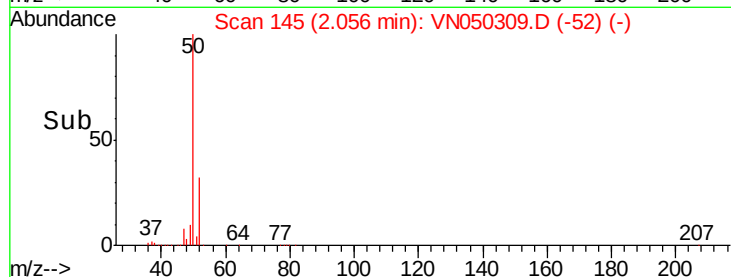
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 40.88 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050309.D

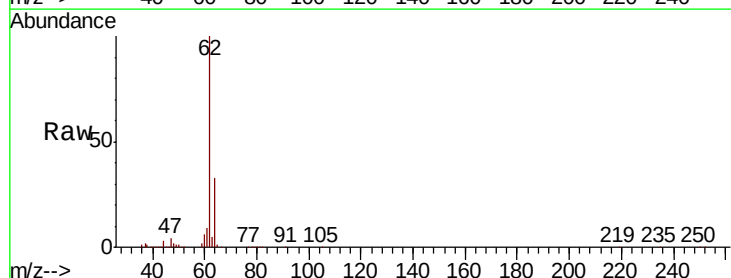
Acq: 3 Aug 2018 13:27

Tgt Ion: 62 Resp: 405408

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050309.D (-90) (-)

Ion 63.90 (63.60 to 64.60): VN050309.D (-90) (-)

2.18

300000

250000

200000

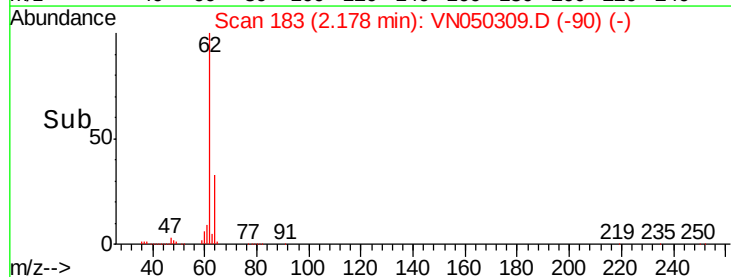
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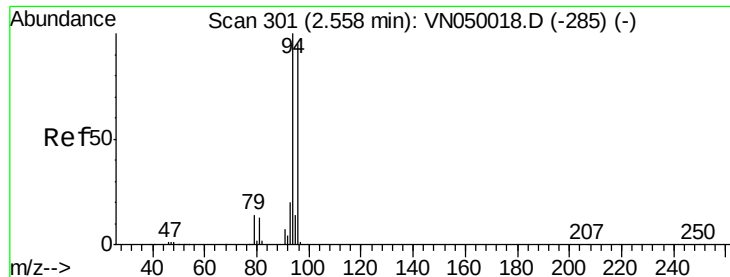
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.34 ug/l

RT: 2.55 min Scan# 300

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

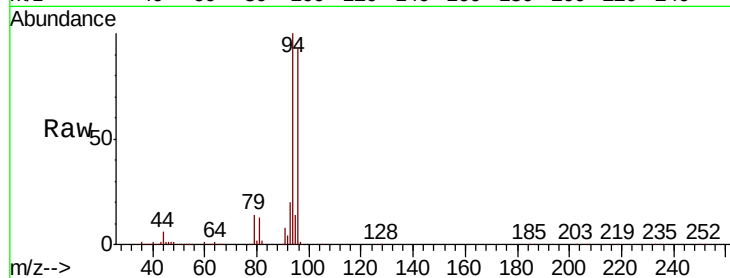
VSTDCCC050

Tot Ion: 94 Resp: 255601

Ion Ratio Lower Upper

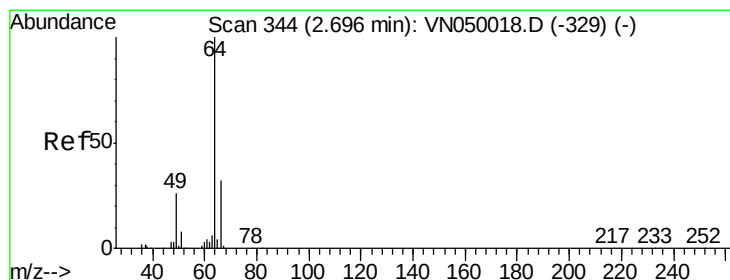
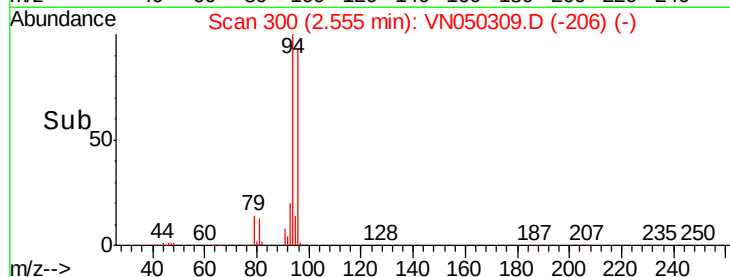
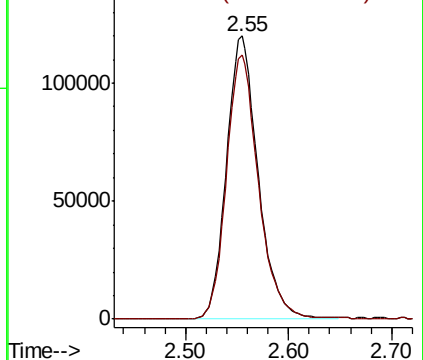
94 100

96 93.4 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 40.61 ug/l

RT: 2.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VN050309.D

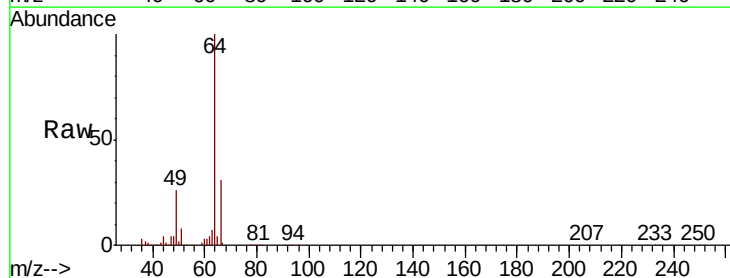
Acq: 3 Aug 2018 13:27

Tgt Ion: 64 Resp: 241875

Ion Ratio Lower Upper

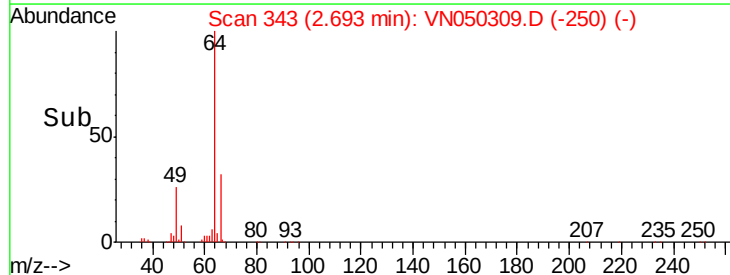
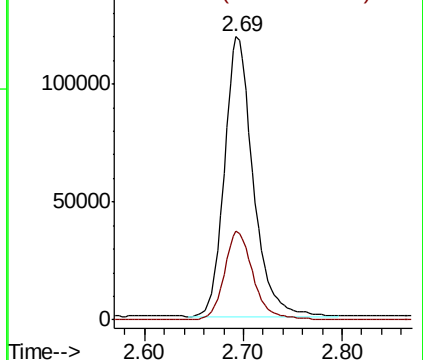
64 100

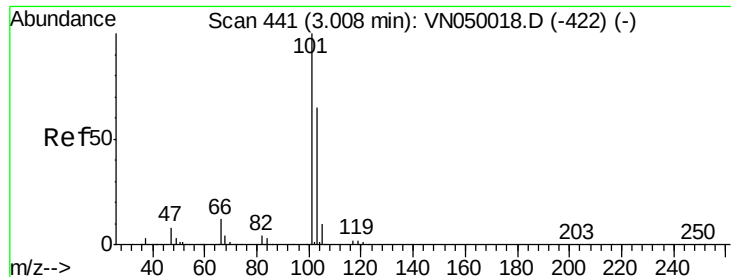
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



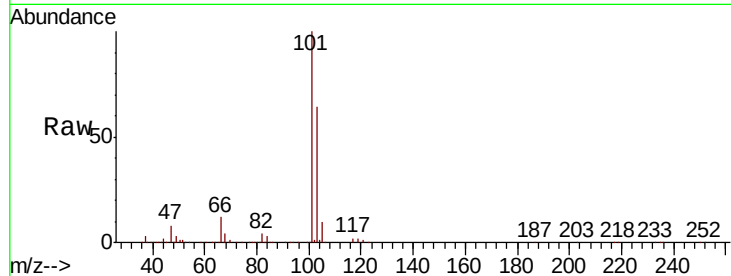


#7

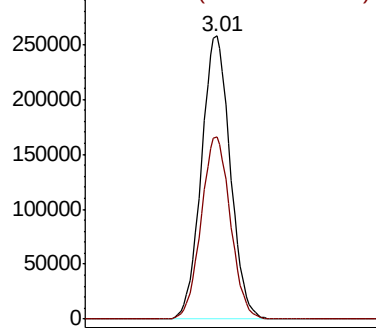
Trichlorofluoromethane
 Concen: 43.22 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

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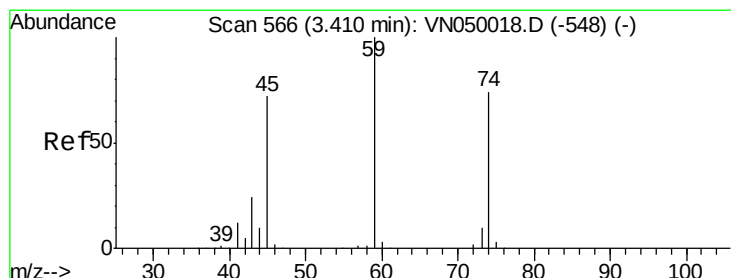
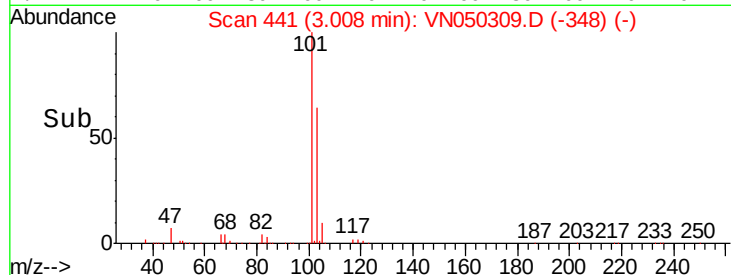
Tot Ion:101 Resp: 555234
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5



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



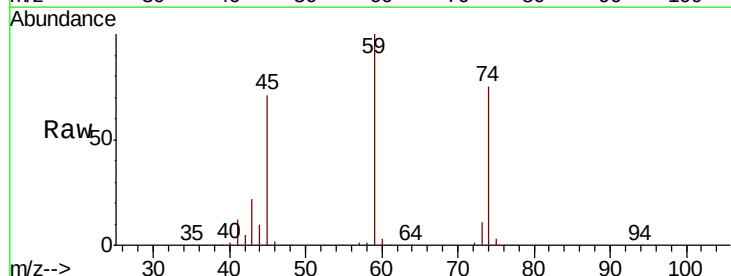
Time-->



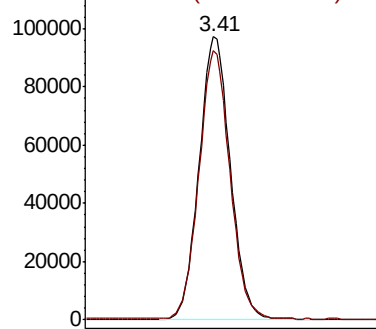
#8

Diethyl Ether
 Concen: 50.23 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

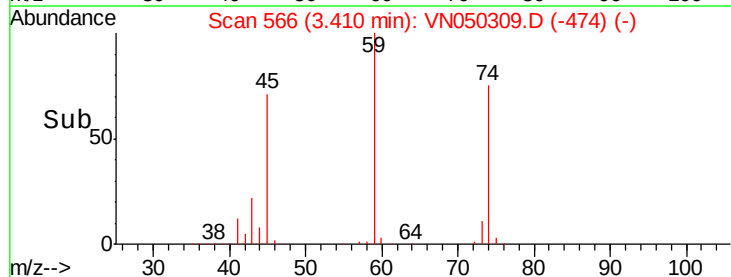
Tgt Ion: 74 Resp: 215133
 Ion Ratio Lower Upper
 74 100
 45 93.2 47.6 142.8

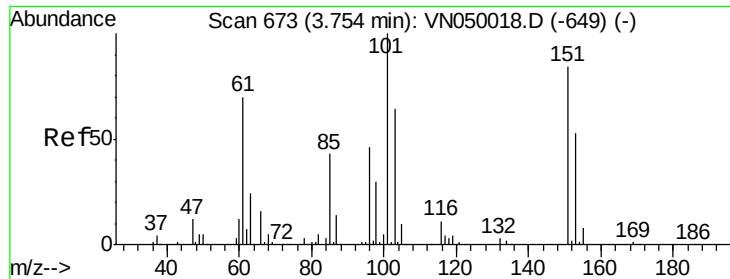


Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO



Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.17 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

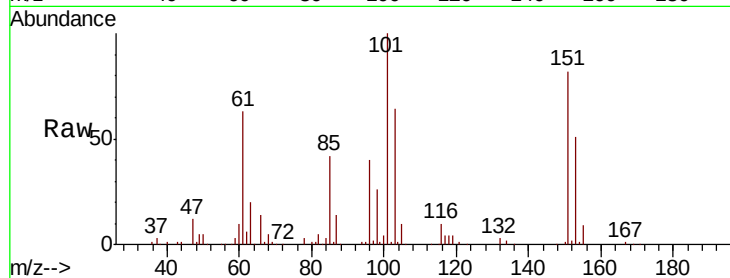
Tot Ion:101 Resp: 356686

Ion Ratio Lower Upper

101 100

85 42.5 34.2 51.2

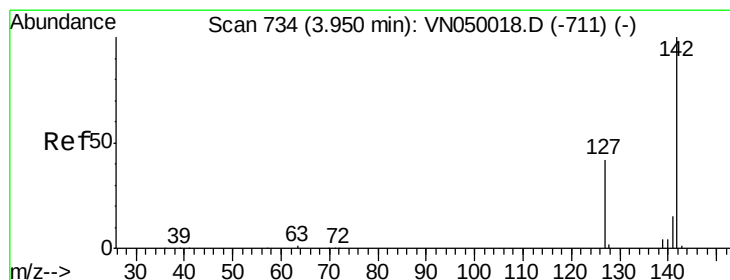
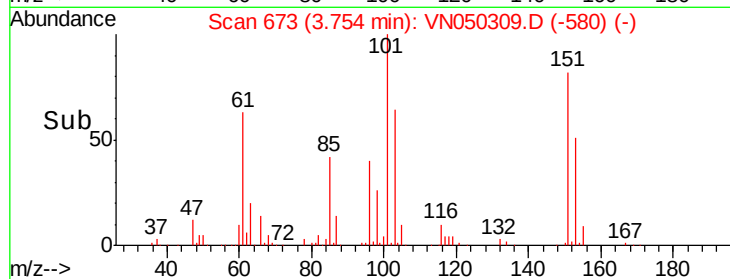
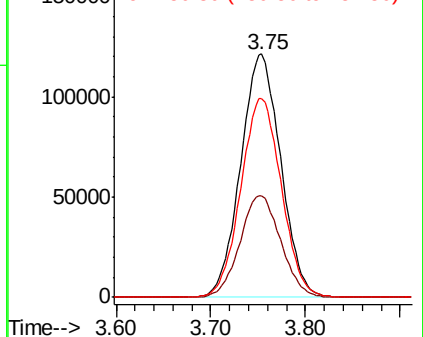
151 82.7 66.3 99.5



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: 18.81 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

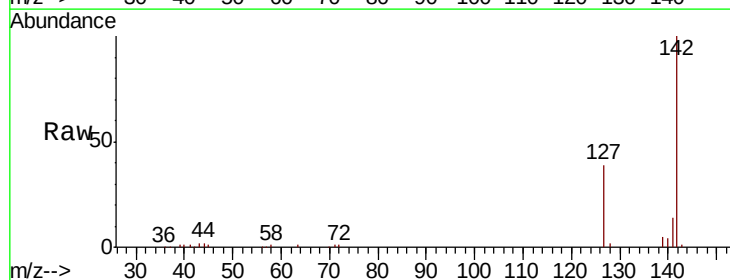
Tgt Ion:142 Resp: 186508

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

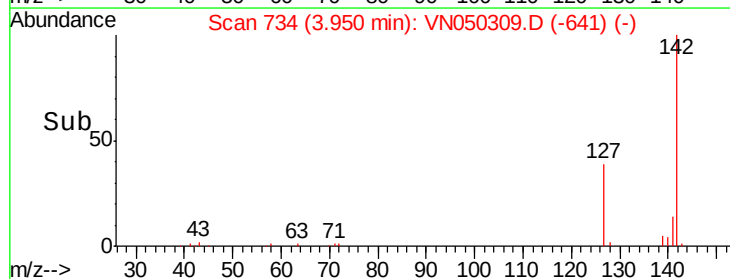
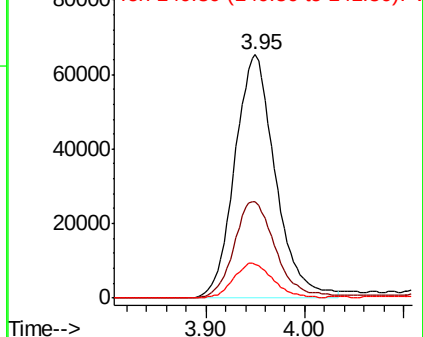
141 14.0 11.6 17.4

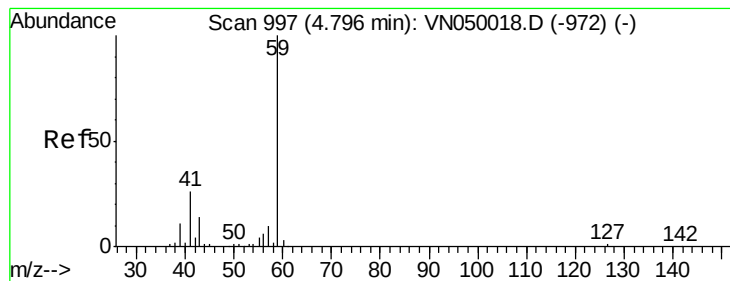


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



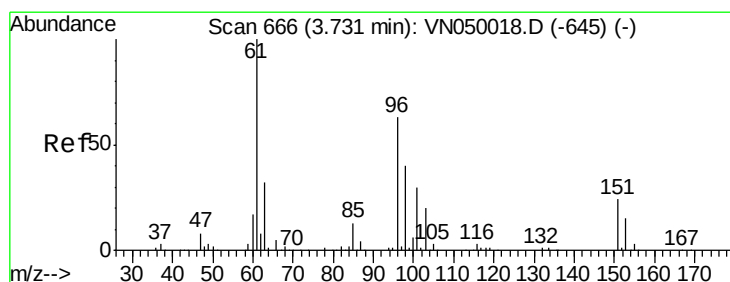
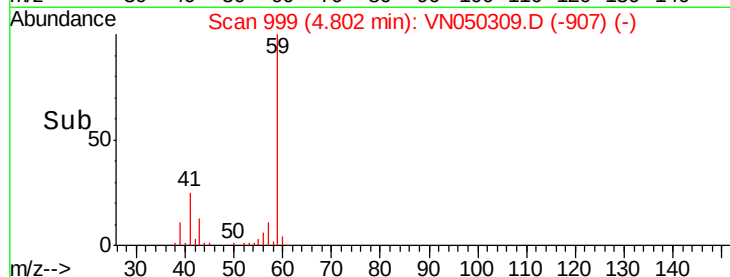
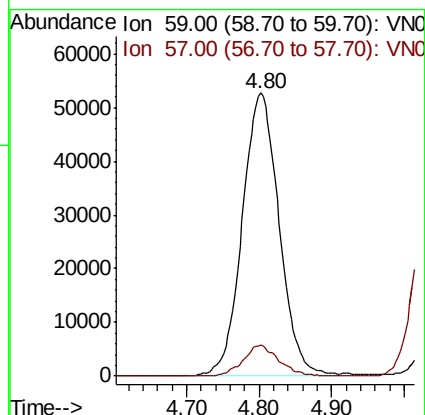
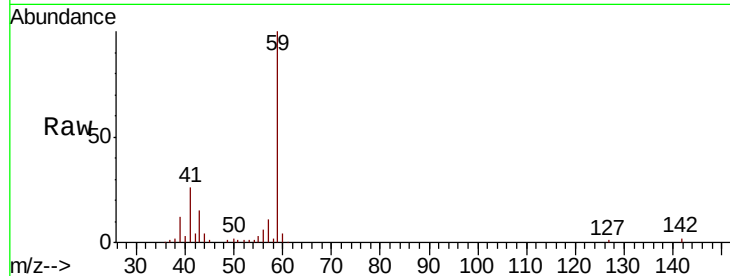


#11

Tert butyl alcohol
 Concen: 301.87 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

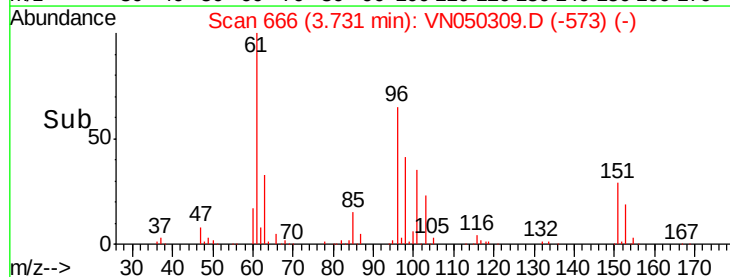
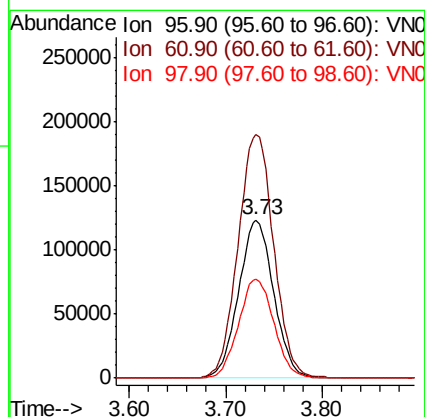
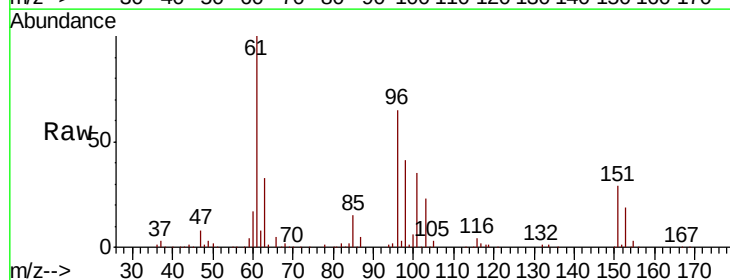
Tot Ion: 59 Resp: 186845
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

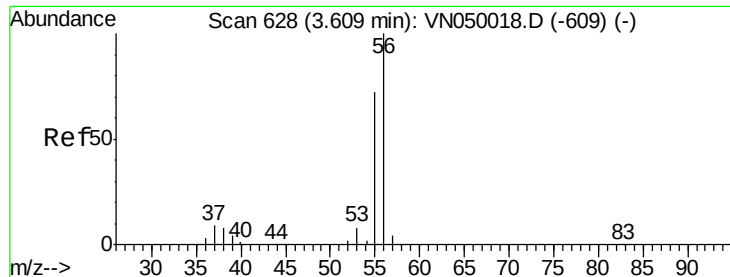


#12

1,1-Dichloroethene
 Concen: 44.54 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 96 Resp: 309495
 Ion Ratio Lower Upper
 96 100
 61 153.7 124.4 186.6
 98 62.5 48.3 72.5

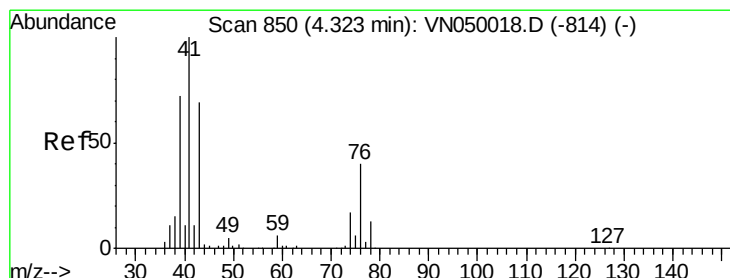
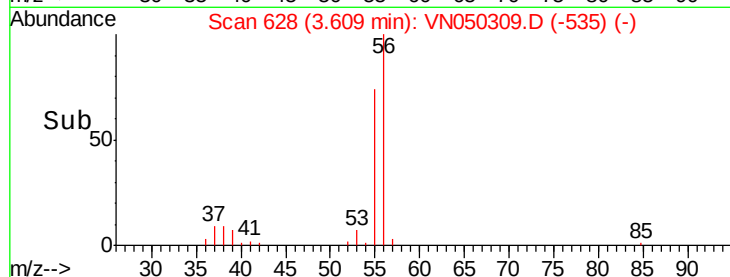
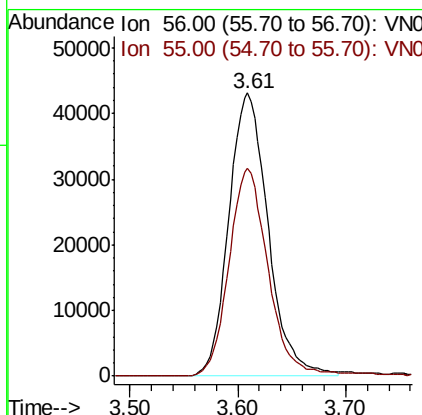
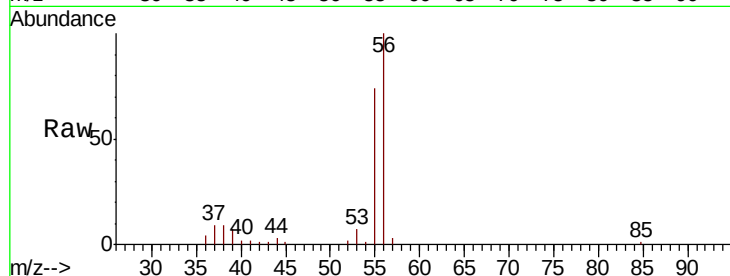




#13
 Acrolein
 Concen: 219.57 ug/l
 RT: 3.61 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

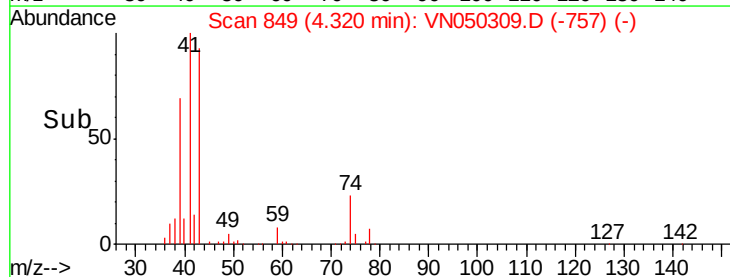
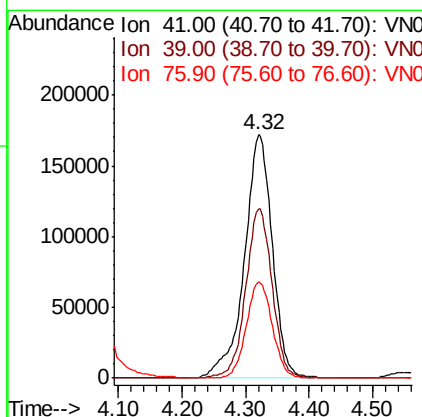
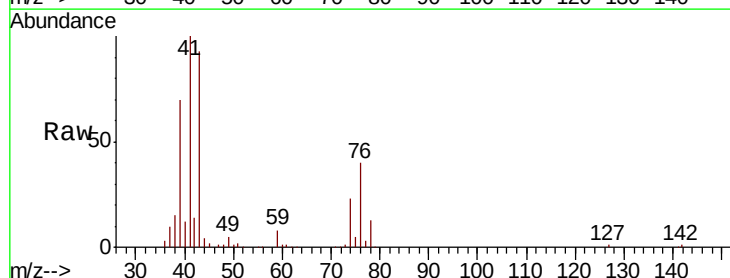
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

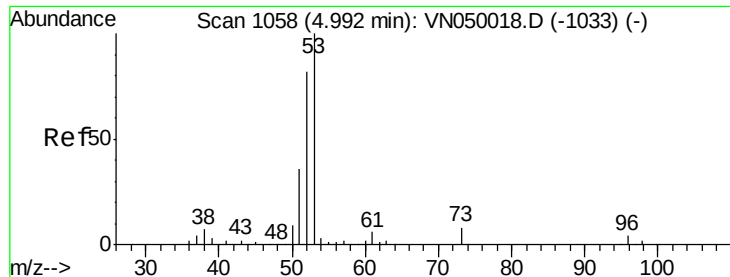
Tot Ion: 56 Resp: 109195
 Ion Ratio Lower Upper
 56 100
 55 72.7 55.8 83.6



#14
 Allyl chloride
 Concen: 48.76 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 41 Resp: 525407
 Ion Ratio Lower Upper
 41 100
 39 65.5 54.2 81.4
 76 36.7 29.0 43.6





#15

Acrylonitrile

Concen: 269.93 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

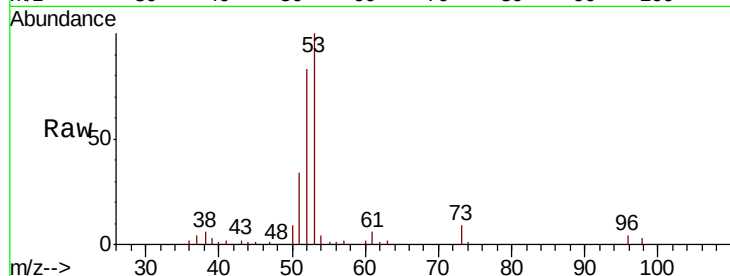
Tot Ion: 53 Resp: 728929

Ion Ratio Lower Upper

53 100

52 82.1 66.2 99.2

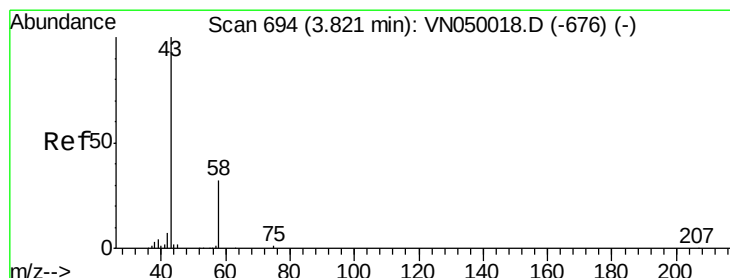
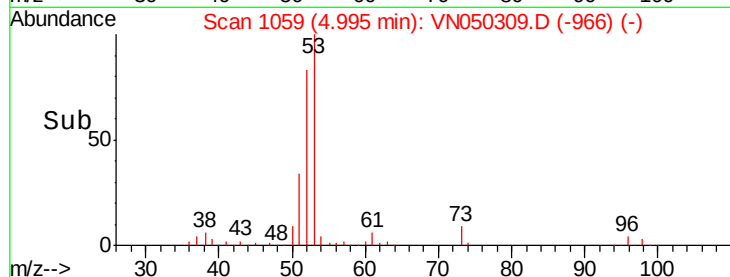
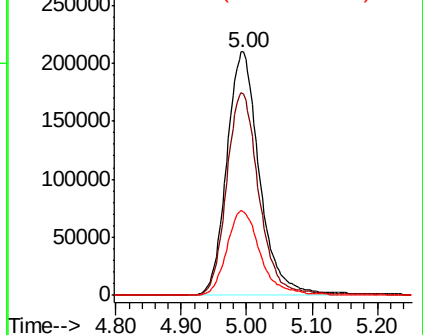
51 35.7 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 294.81 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050309.D

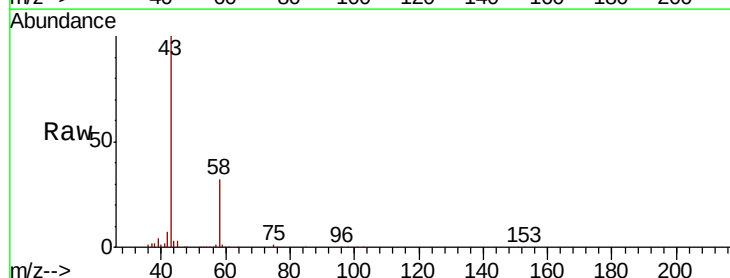
Acq: 3 Aug 2018 13:27

Tgt Ion: 43 Resp: 582629

Ion Ratio Lower Upper

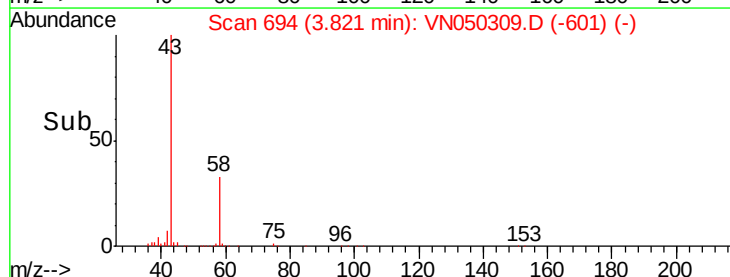
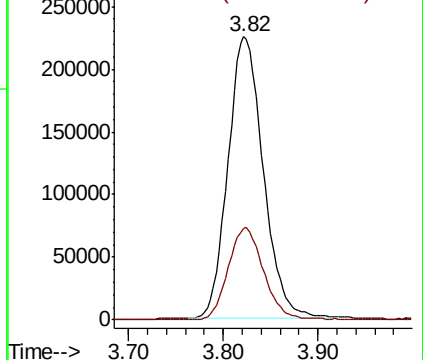
43 100

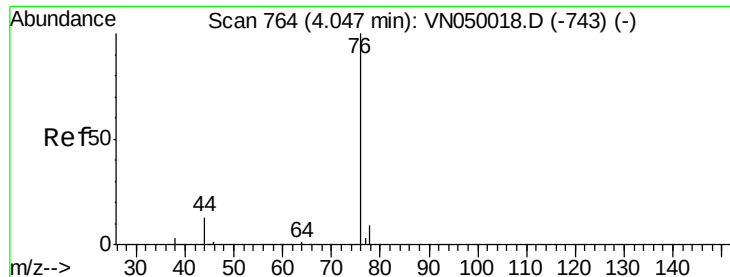
58 32.5 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

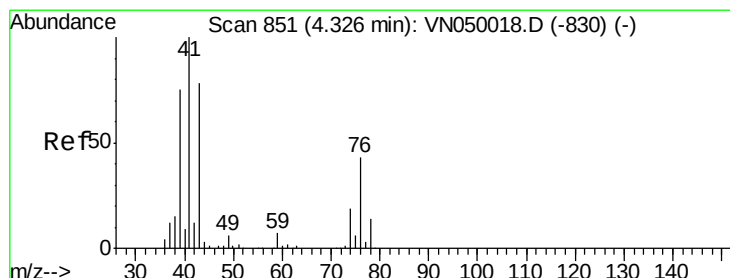
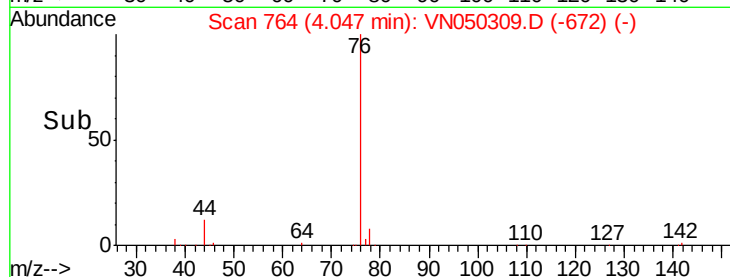
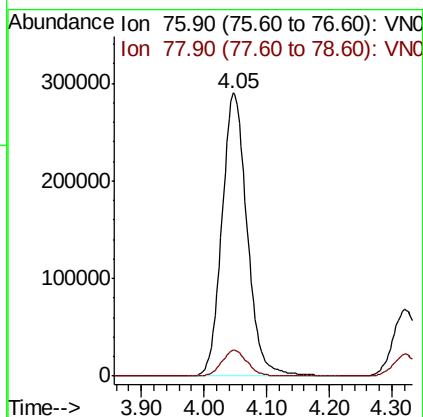
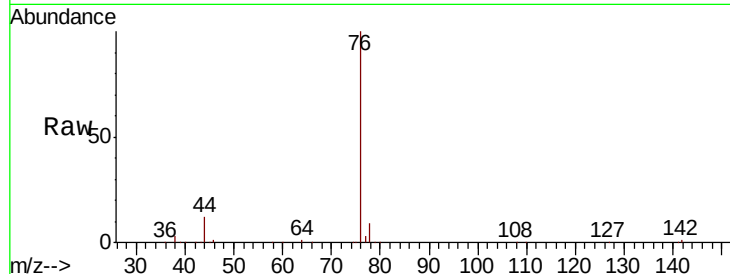




#17
Carbon Disulfide
Concen: 37.92 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

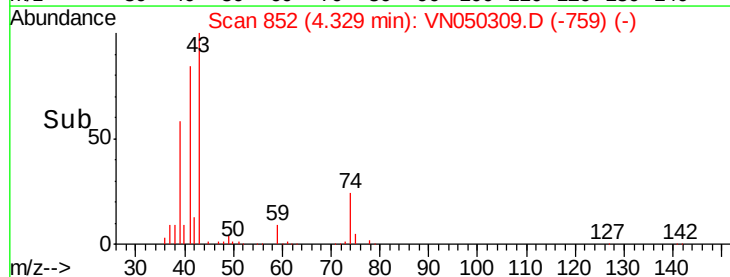
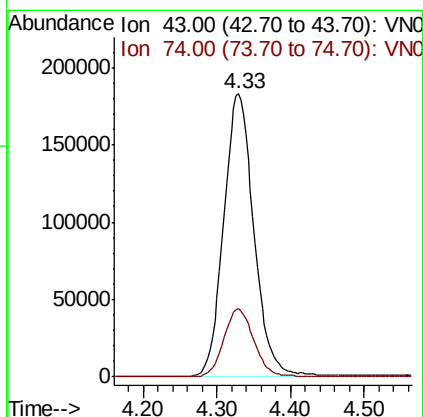
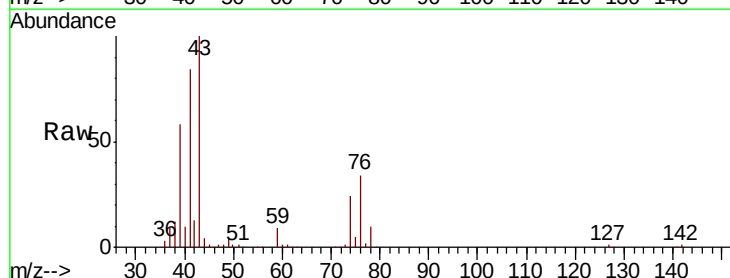
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

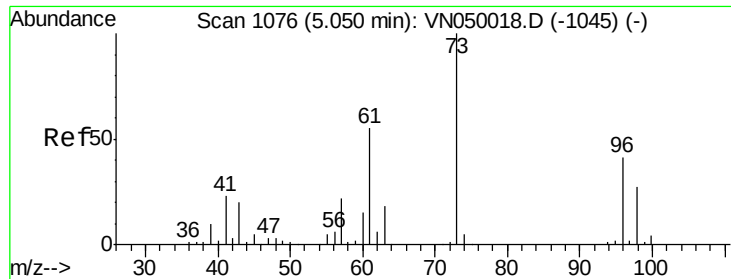
Tot Ion: 76 Resp: 807318
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 67.77 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 43 Resp: 517822
Ion Ratio Lower Upper
43 100
74 24.2 19.2 28.8

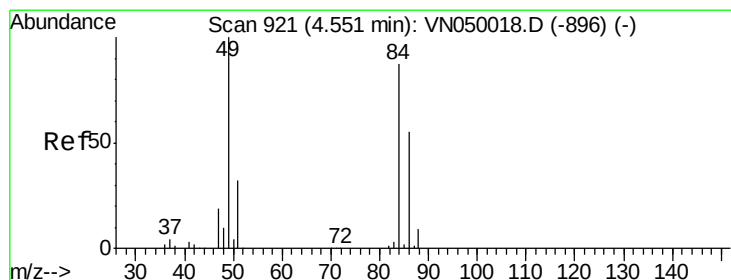
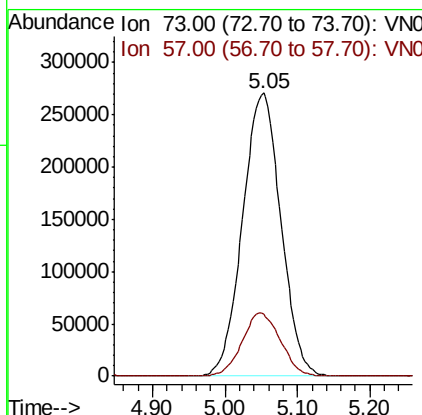
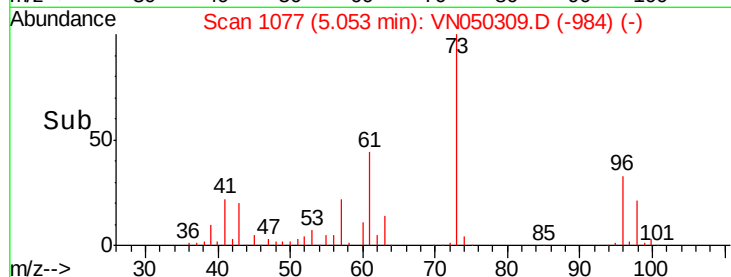
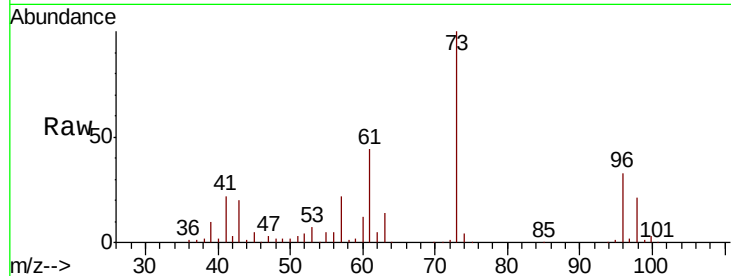




#19
Methyl tert-butyl Ether
Concen: 53.74 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

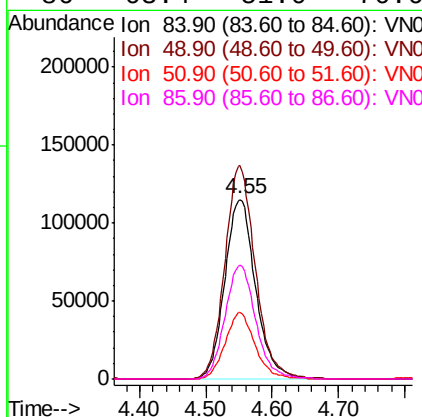
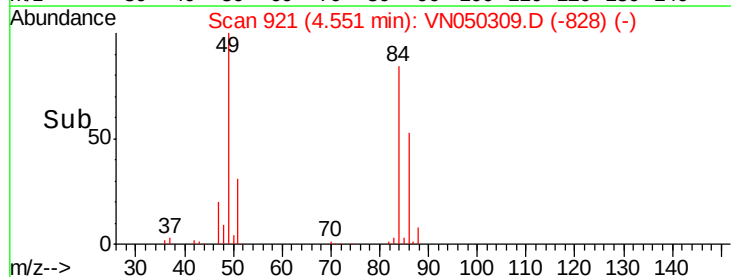
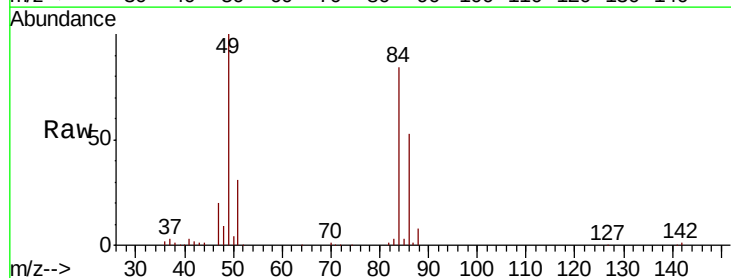
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

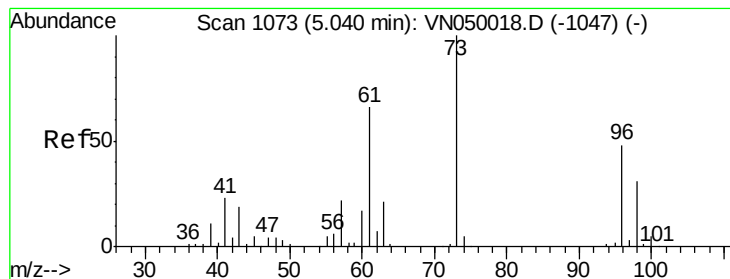
Tot Ion: 73 Resp: 995155
Ion Ratio Lower Upper
73 100
57 21.9 18.0 27.0



#20
Methylene Chloride
Concen: 49.83 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 84 Resp: 371661
Ion Ratio Lower Upper
84 100
49 118.9 94.8 142.2
51 37.2 28.3 42.5
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 45.17 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

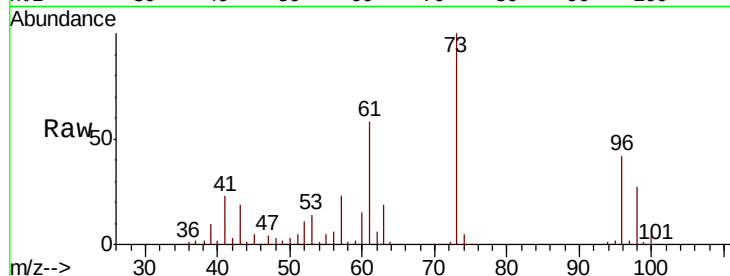
Tot Ion: 96 Resp: 332599

Ion Ratio Lower Upper

96 100

61 137.9 110.7 166.1

98 64.0 51.6 77.4

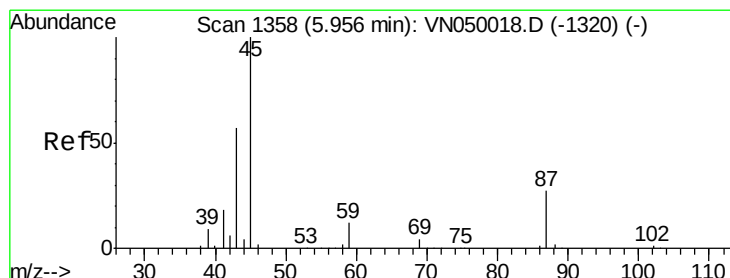
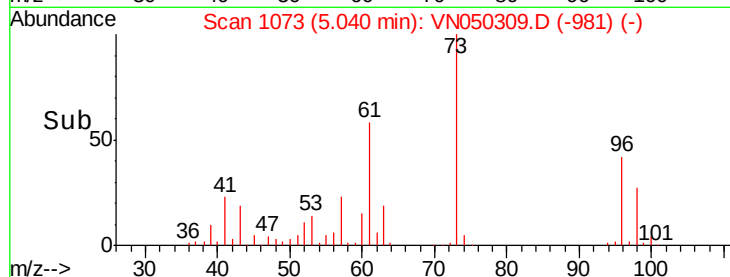
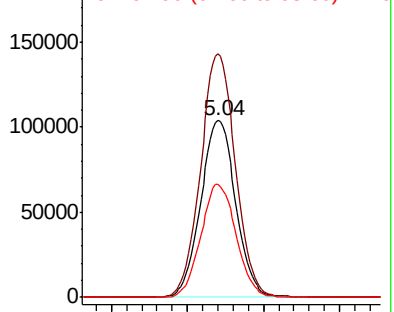


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 53.14 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion: 45 Resp: 1135366

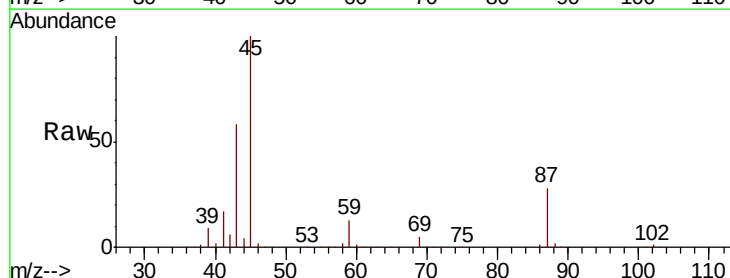
Ion Ratio Lower Upper

45 100

43 57.1 45.7 68.5

87 28.2 22.7 34.1

59 12.4 9.5 14.3



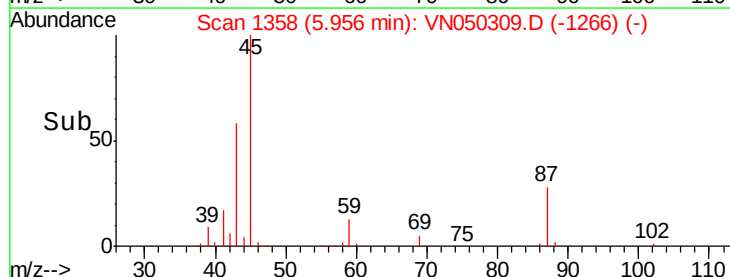
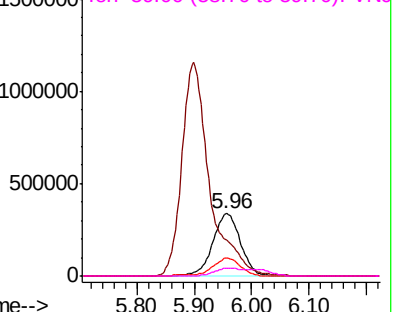
Abundance

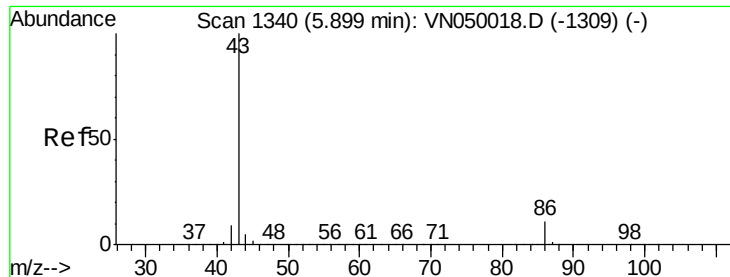
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

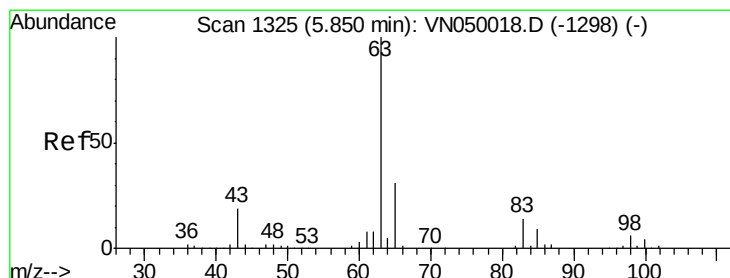
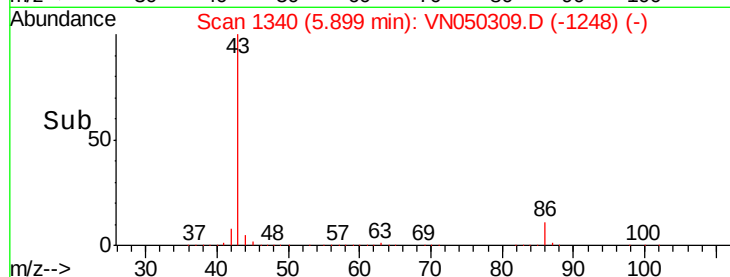
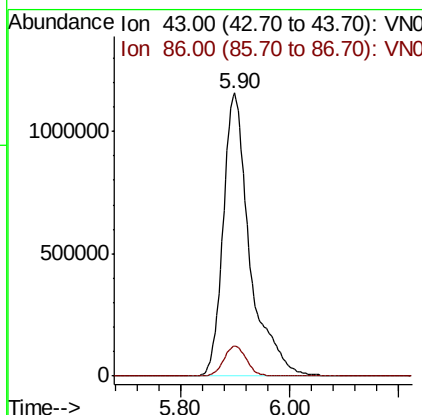
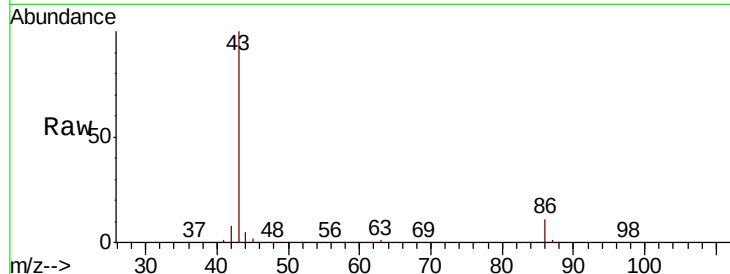




#23
 Vinyl Acetate
 Concen: 258.87 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

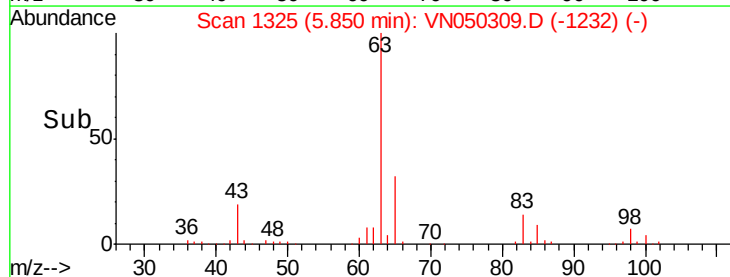
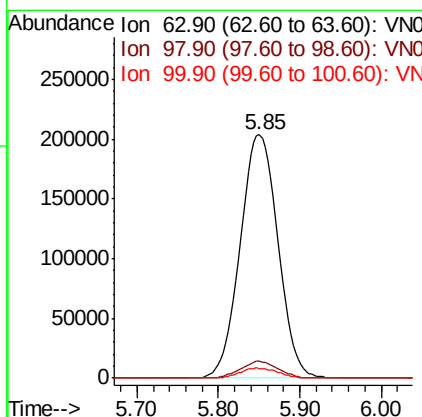
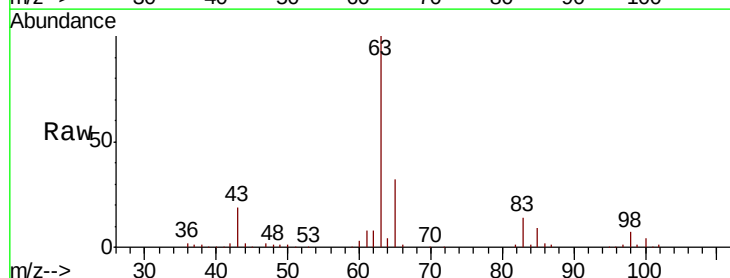
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

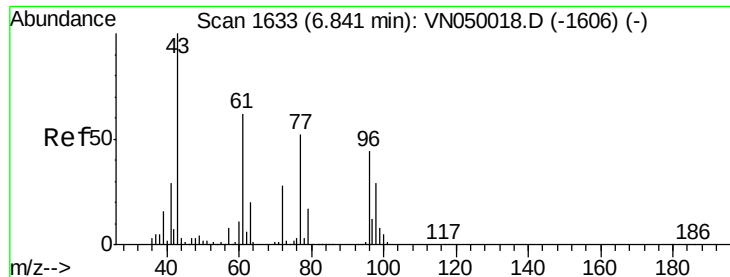
Tot Ion: 43 Resp: 3908633
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 46.70 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 63 Resp: 652392
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 283.33 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

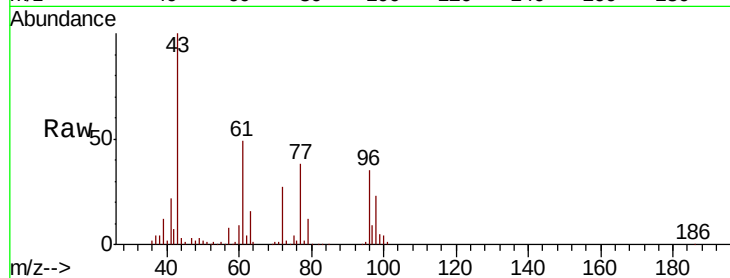
VSTDCCC050

Tot Ion: 43 Resp: 909119

Ion Ratio Lower Upper

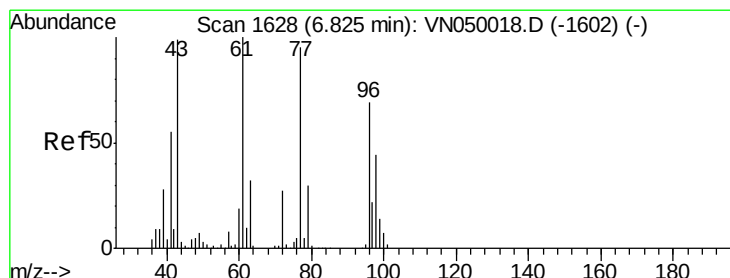
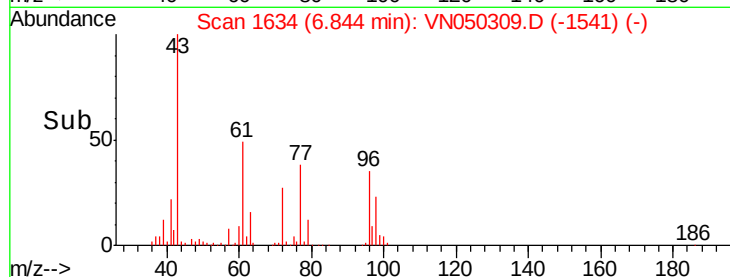
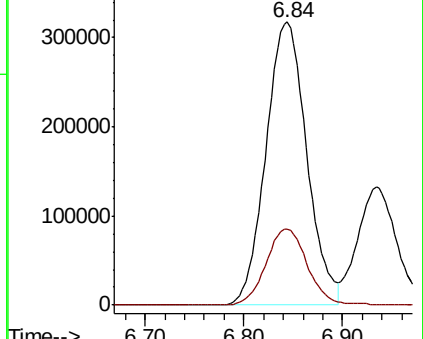
43 100

72 27.0 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 50.34 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050309.D

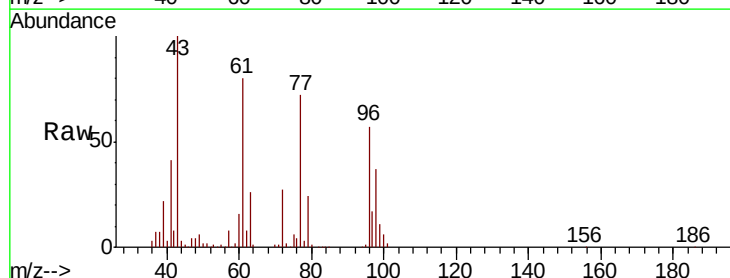
Acq: 3 Aug 2018 13:27

Tgt Ion: 77 Resp: 535041

Ion Ratio Lower Upper

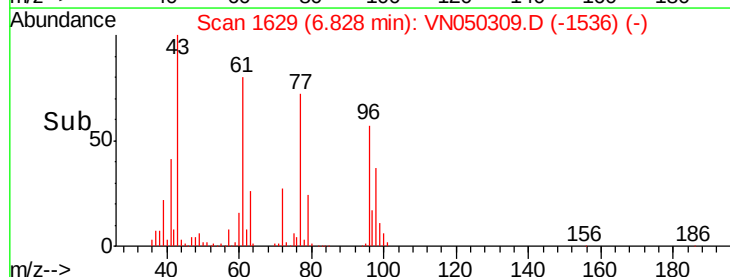
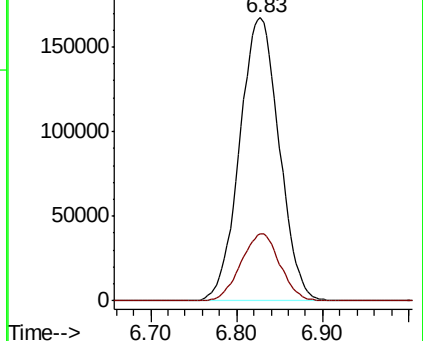
77 100

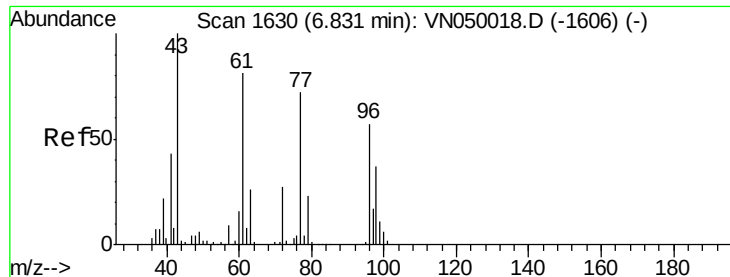
97 23.4 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.94 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

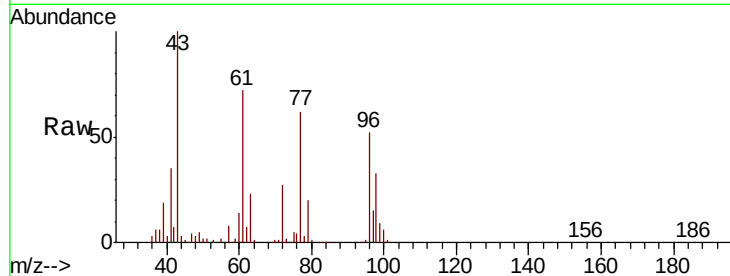
Tot Ion: 96 Resp: 395854

Ion Ratio Lower Upper

96 100

61 142.2 0.0 285.0

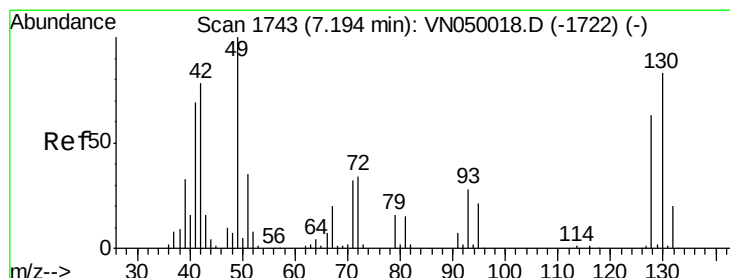
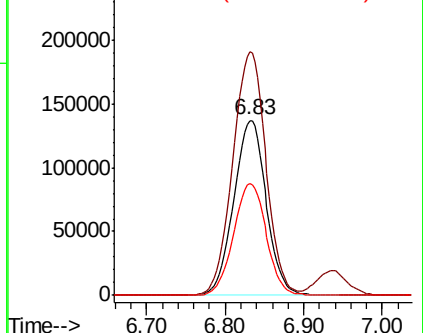
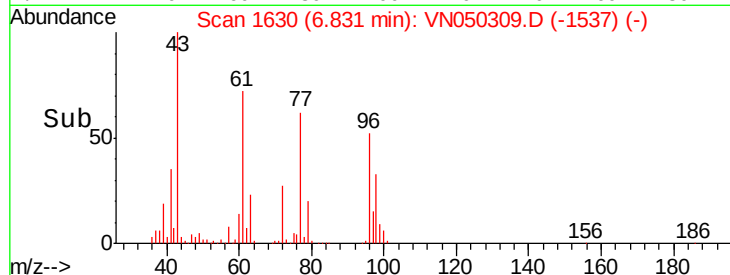
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN050309.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN050309.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN050309.D (-1537) (-)



#28

Bromochloromethane

Concen: 49.33 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

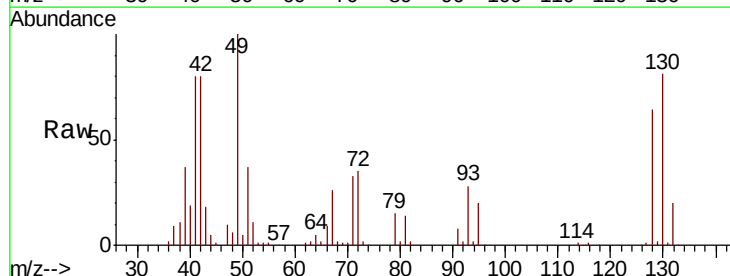
Tgt Ion: 49 Resp: 314322

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.0

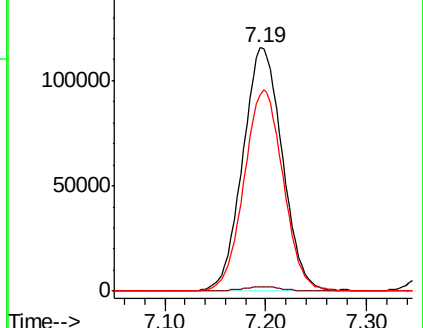
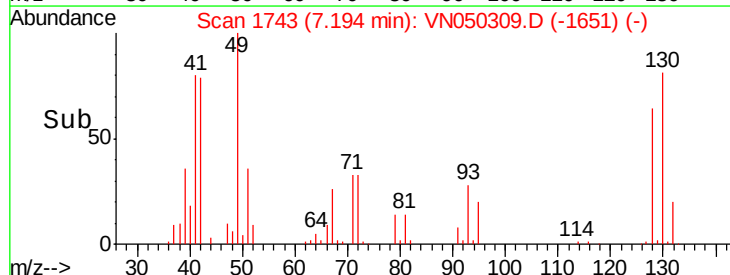
130 81.9 66.3 99.5

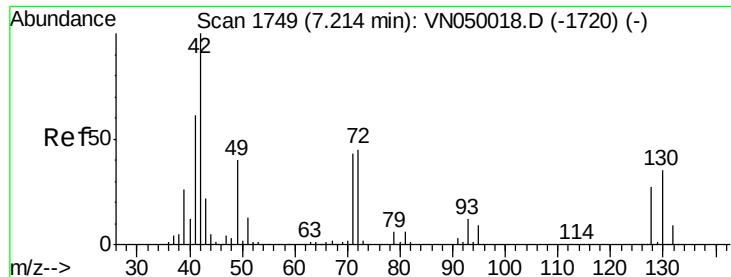


Abundance Ion 48.90 (48.60 to 49.60): VN050309.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050309.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050309.D (-1651) (-)





#29

Tetrahydrofuran

Concen: 280.07 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

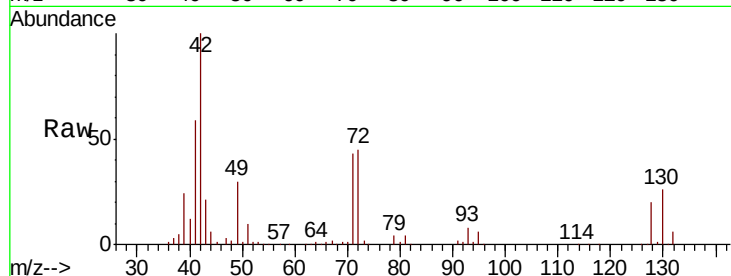
Tot Ion: 42 Resp: 580709

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

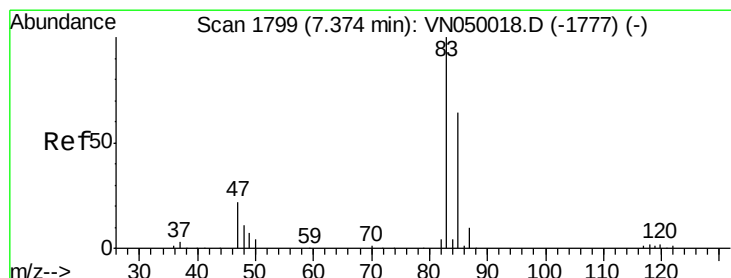
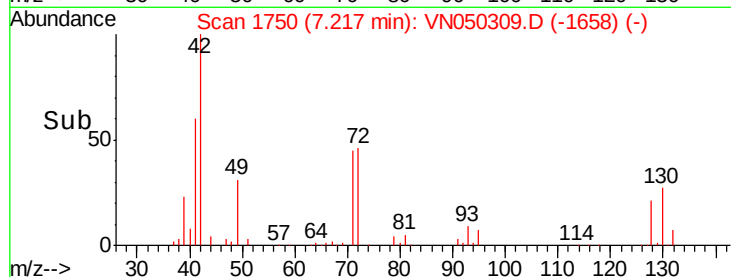
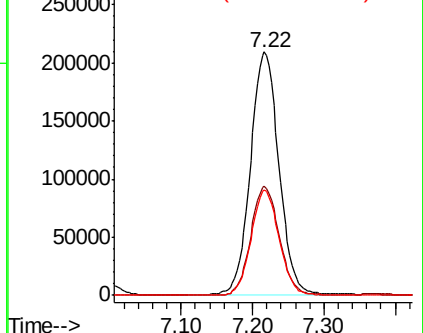
71 42.2 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 47.53 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050309.D

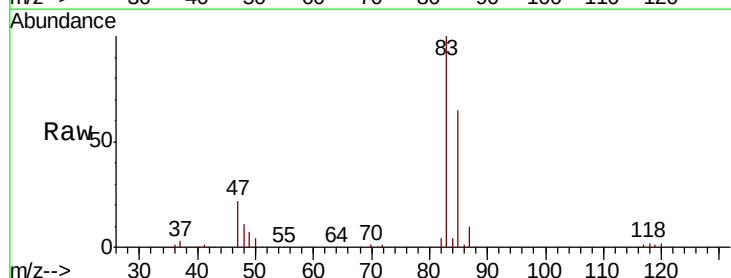
Acq: 3 Aug 2018 13:27

Tgt Ion: 83 Resp: 677684

Ion Ratio Lower Upper

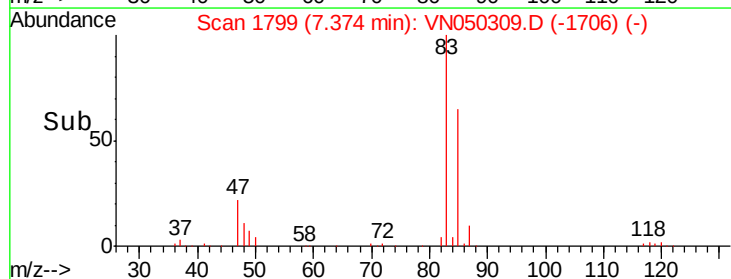
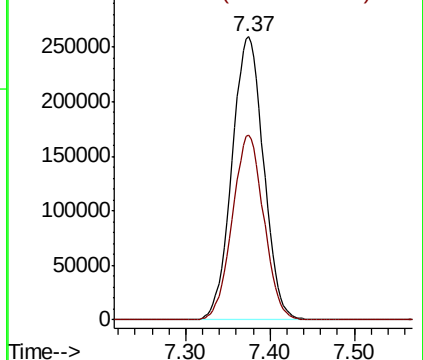
83 100

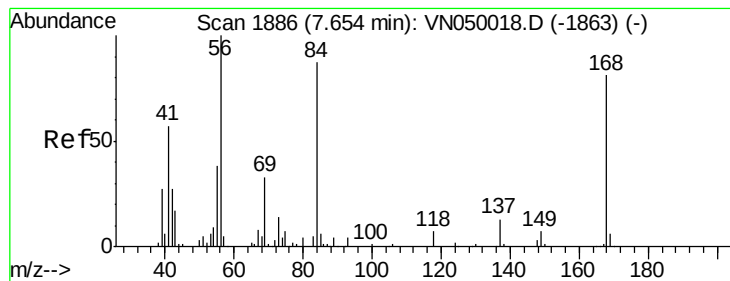
85 65.5 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.66 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

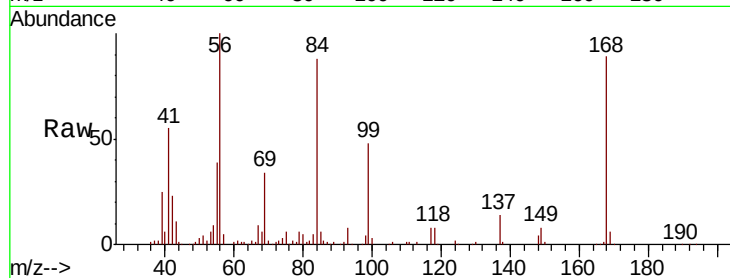
Tot Ion: 56 Resp: 529127

Ion Ratio Lower Upper

56 100

69 33.9 26.2 39.4

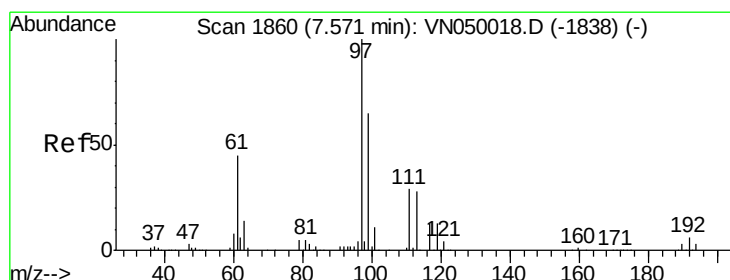
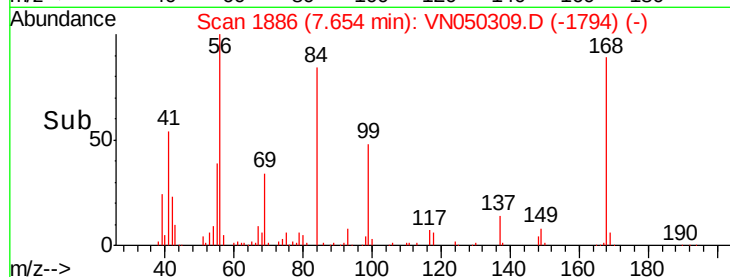
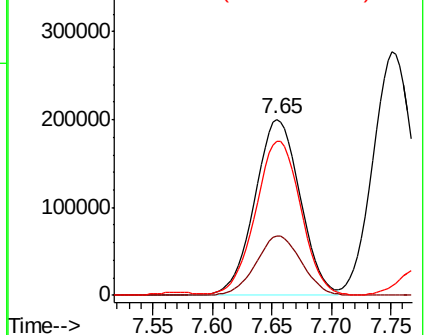
84 86.2 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050309.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN050309.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN050309.D (-1794) (-)



#32

1,1,1-Trichloroethane

Concen: 46.81 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

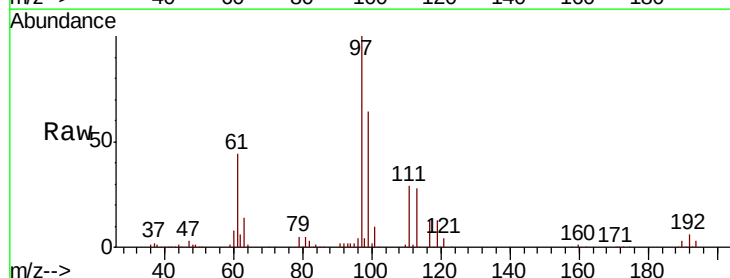
Tgt Ion: 97 Resp: 570877

Ion Ratio Lower Upper

97 100

99 64.5 51.4 77.0

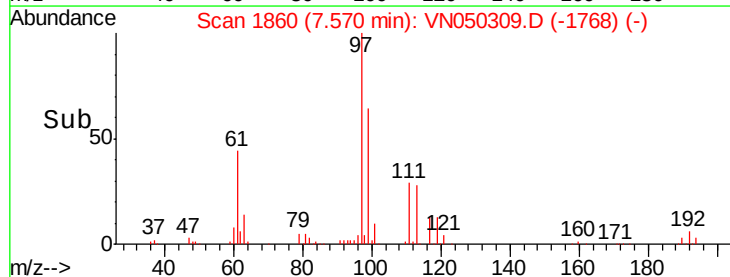
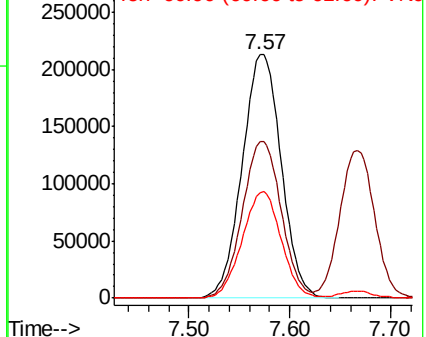
61 43.8 35.4 53.0

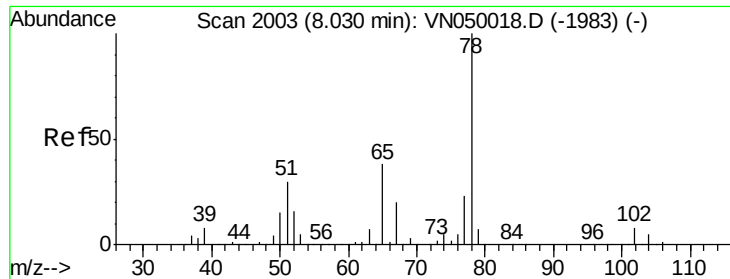


Abundance Ion 96.90 (96.60 to 97.60): VN050309.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN050309.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN050309.D (-1768) (-)

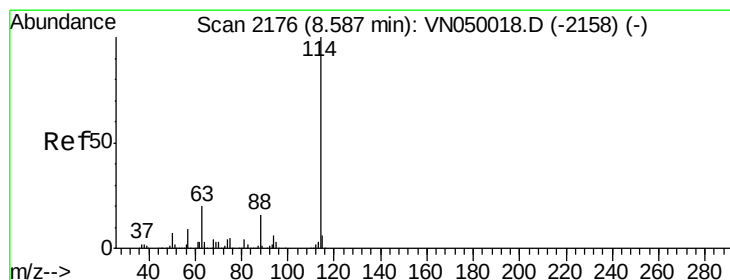
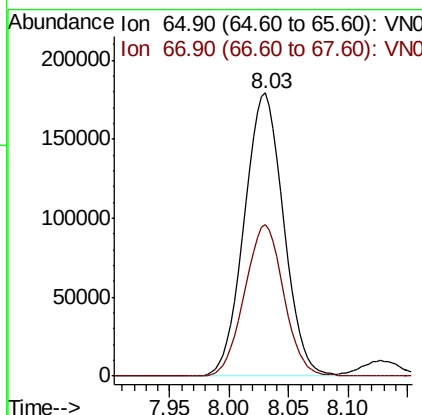
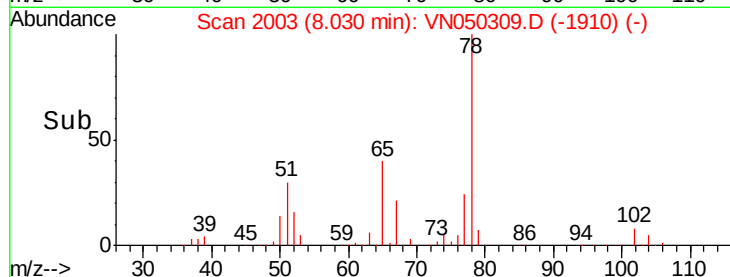
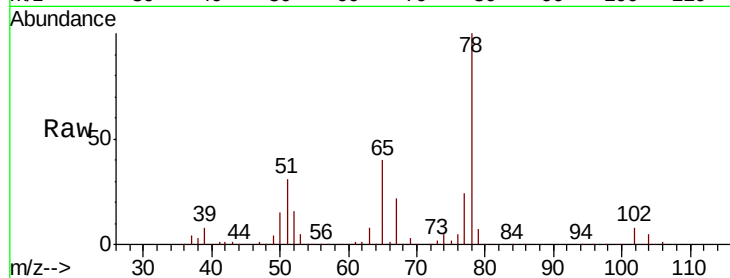




#33
 1,2-Dichloroethane-d4
 Concen: 48.83 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

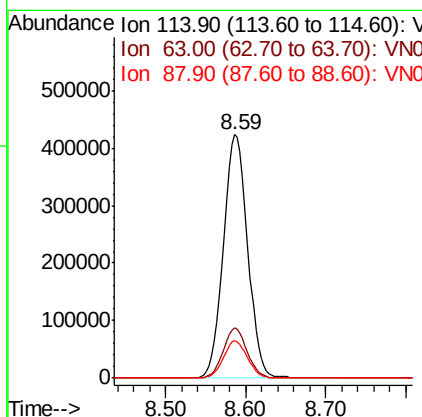
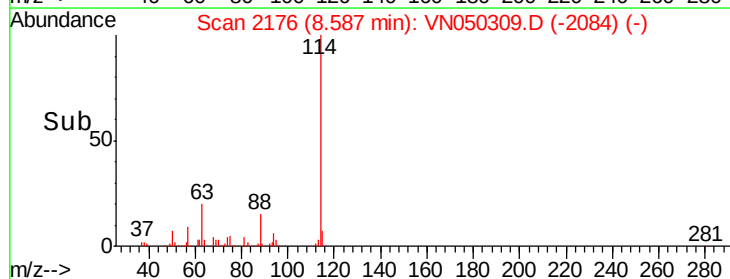
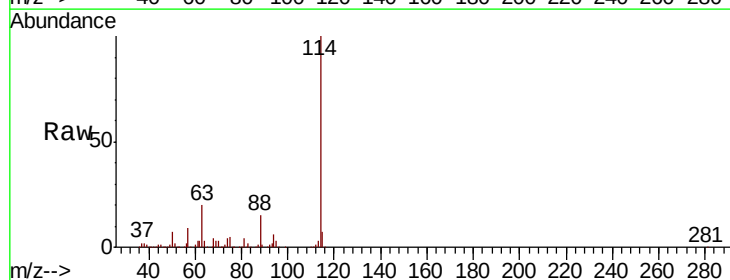
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

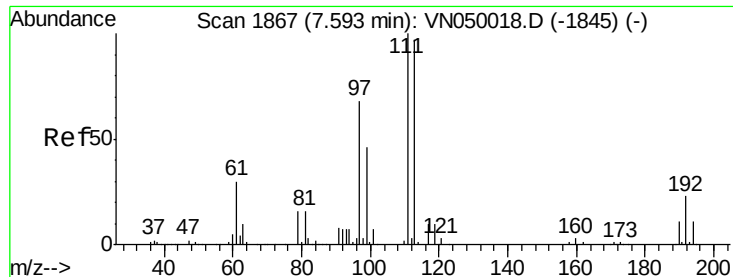
Tot Ion: 65 Resp: 410765
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 114 Resp: 881725
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.0
 88 15.4 0.0 31.2

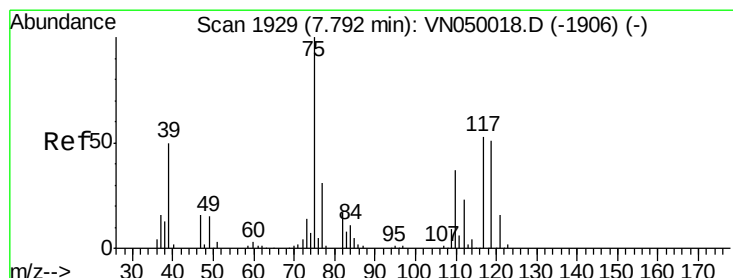
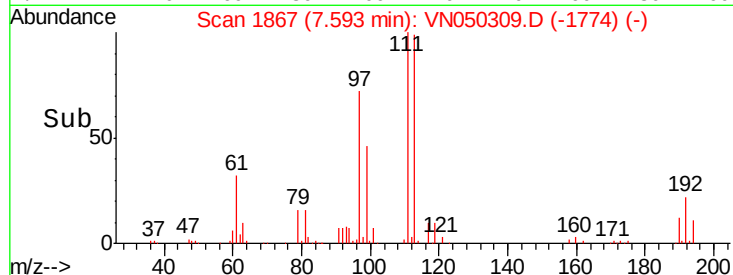
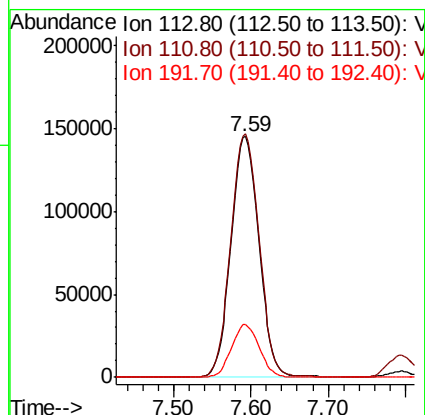
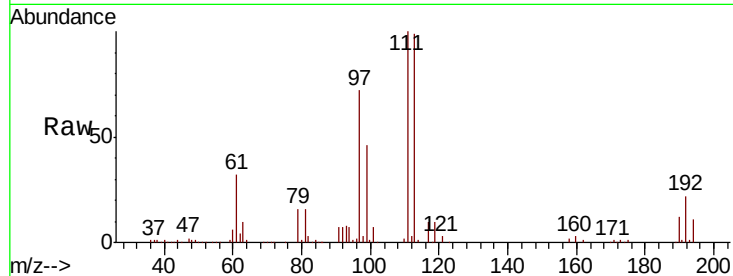




#35
 Dibromofluoromethane
 Concen: 50.56 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

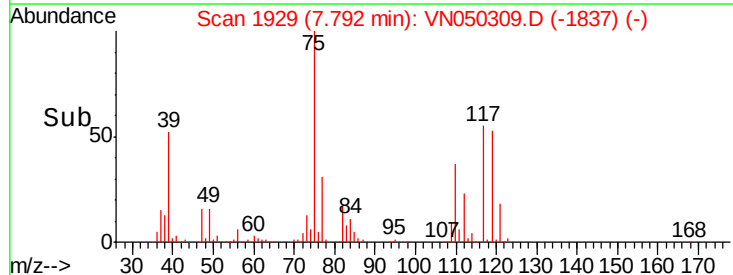
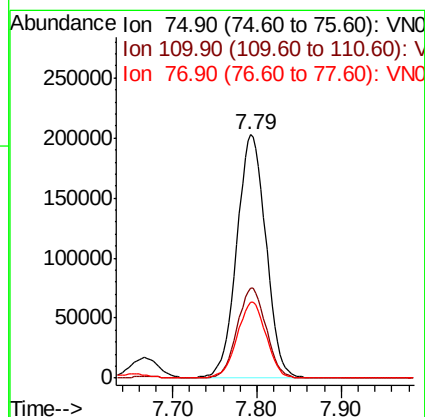
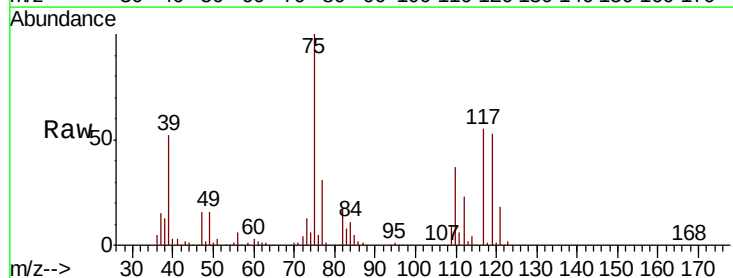
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

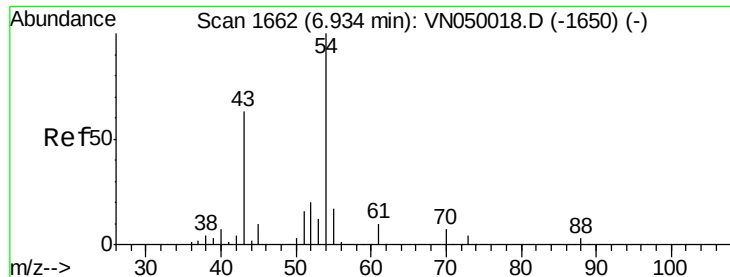
Tot Ion:113 Resp: 363971
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 49.09 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 75 Resp: 487660
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.4 55.2
 77 31.2 25.3 37.9

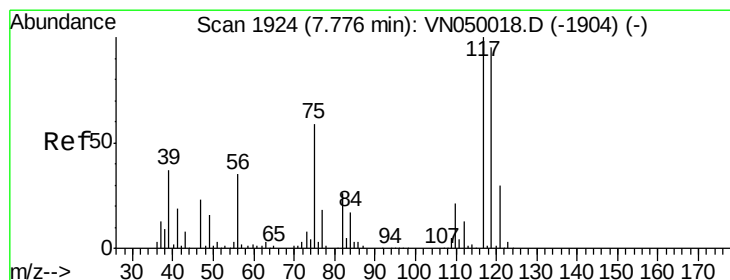
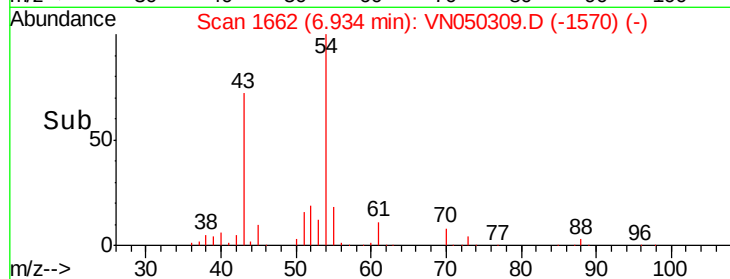
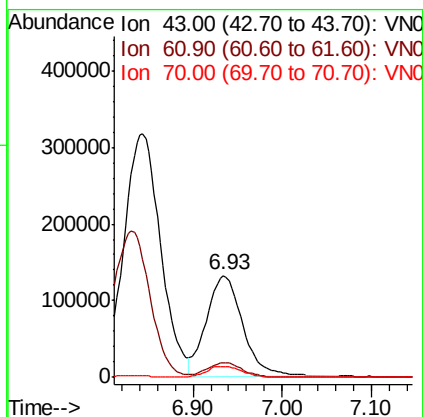
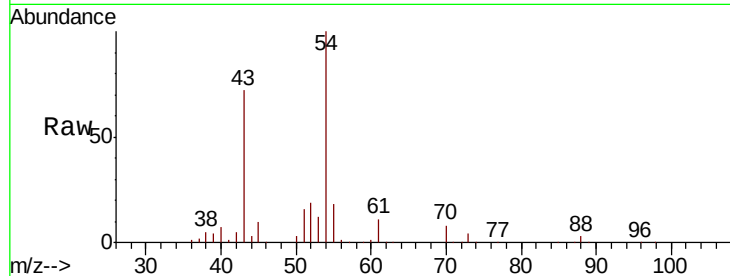




#37
Ethyl Acetate
Concen: 53.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

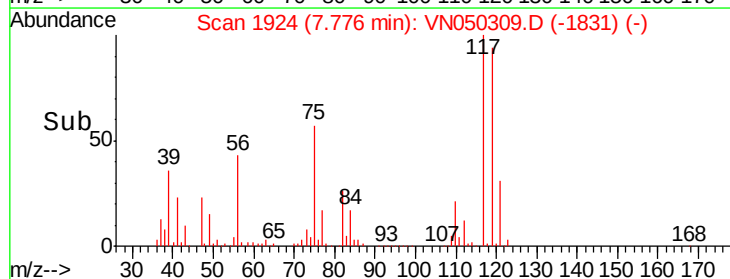
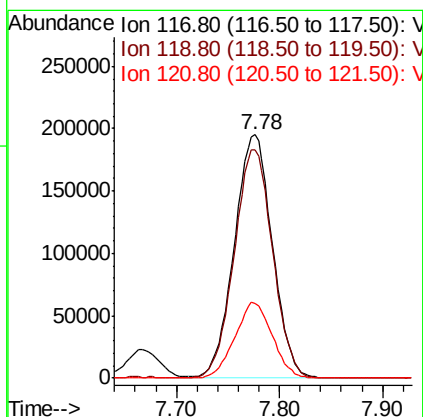
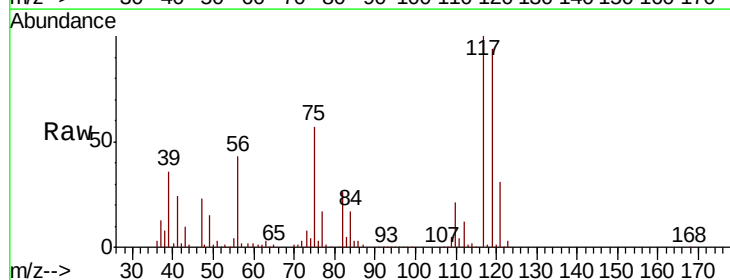
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

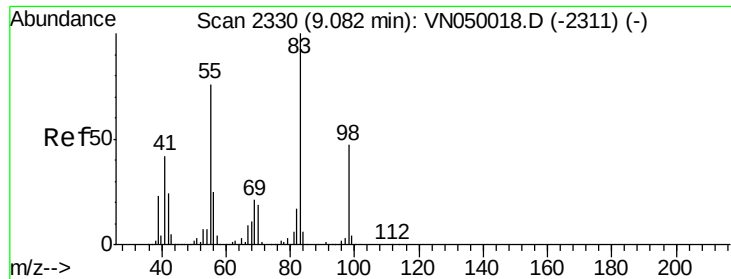
Tot Ion	43	Resp	372857
Ion Ratio	Lower	Upper	
43	100		
61	13.8	11.8	17.8
70	10.4	8.4	12.6



#38
Carbon Tetrachloride
Concen: 47.54 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	117	Resp	501062
Ion Ratio	Lower	Upper	
117	100		
119	93.8	77.4	116.0
121	30.9	23.9	35.9

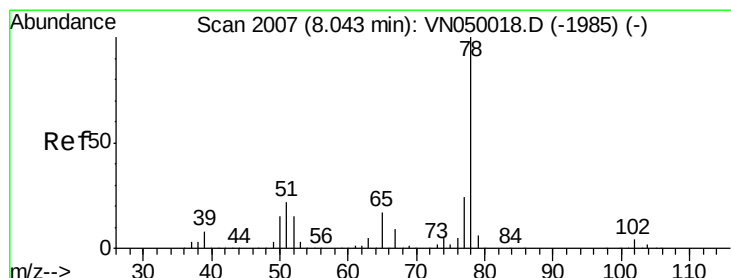
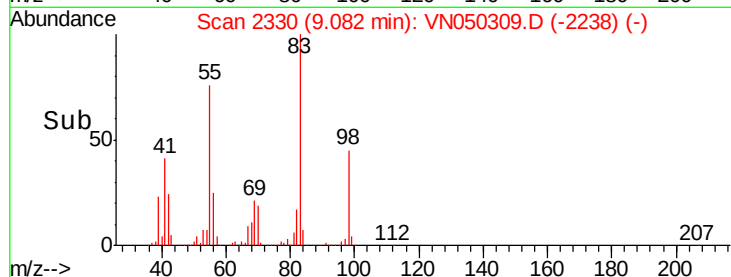
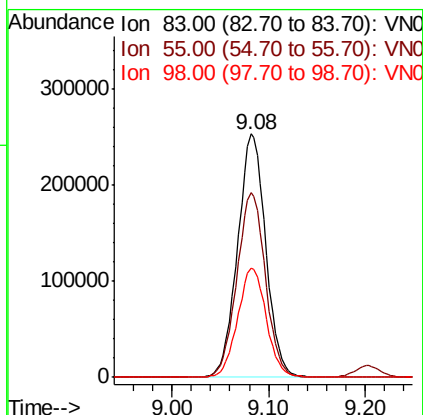
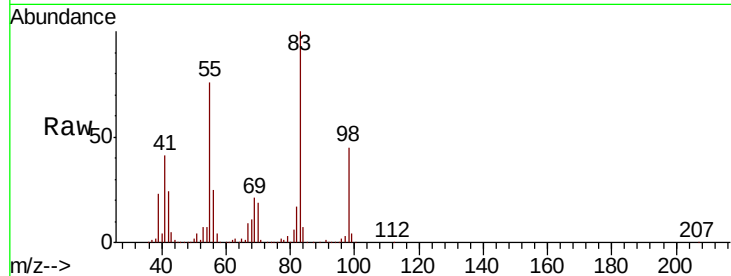




#39
Methylvlcyclohexane
Concen: 49.93 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

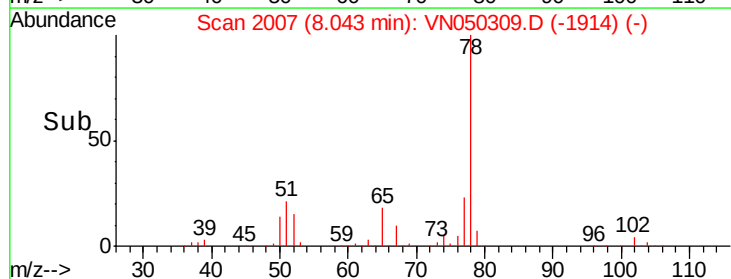
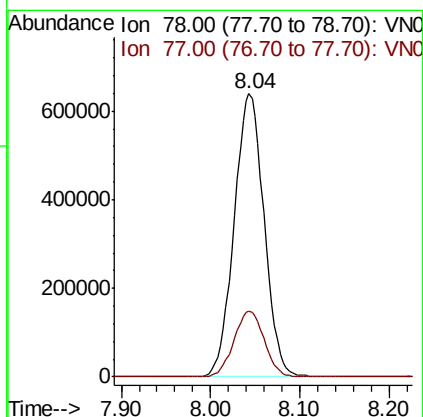
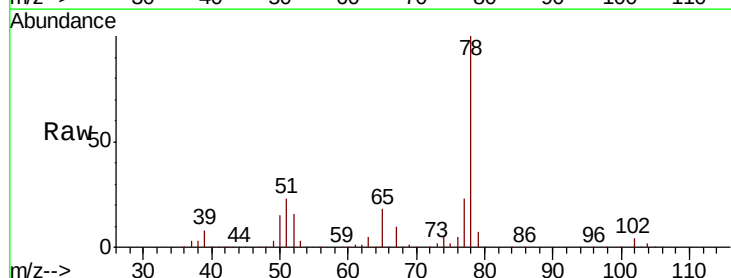
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

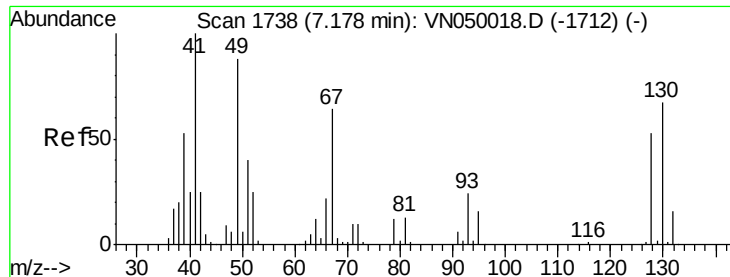
Tot Ion: 83 Resp: 510258
Ion Ratio Lower Upper
83 100
55 75.7 61.8 92.8
98 45.1 36.5 54.7



#40
Benzene
Concen: 49.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 78 Resp: 1487243
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

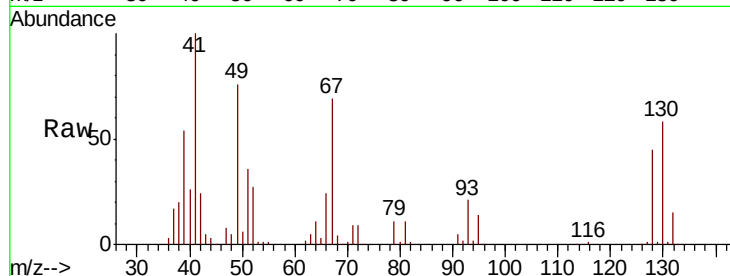




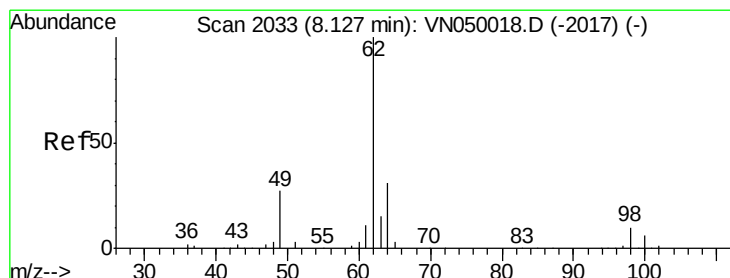
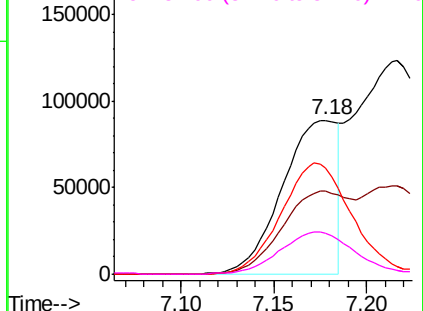
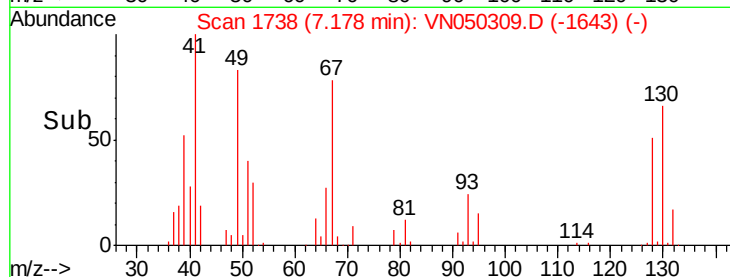
#41
Methacrylonitrile
Concen: 51.30 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 185329
Ion Ratio Lower Upper
41 100
39 66.8 55.8 83.6
67 92.8 84.3 126.5
52 36.5 34.2 51.2

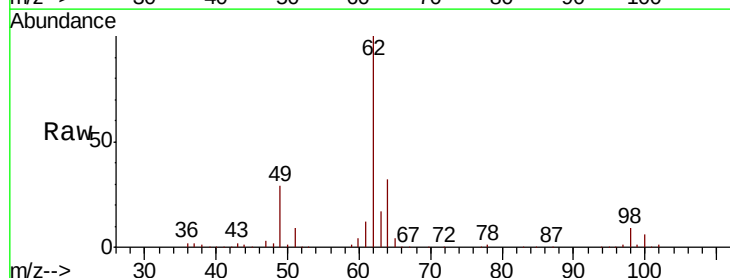


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

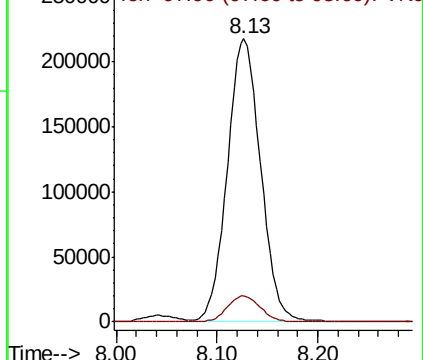
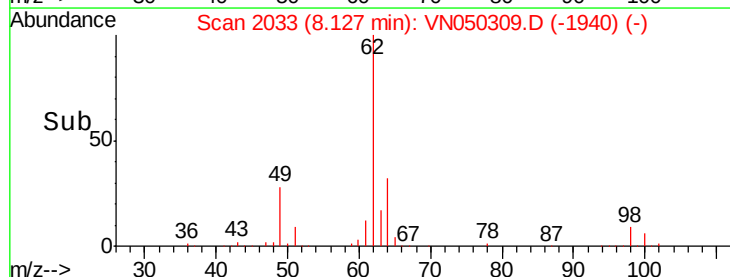


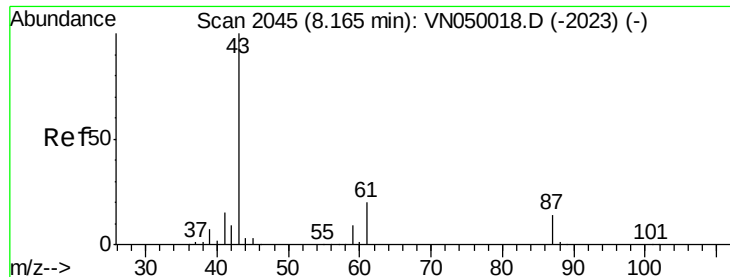
#42
1,2-Dichloroethane
Concen: 49.47 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 62 Resp: 498915
Ion Ratio Lower Upper
62 100
98 9.1 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 53.28 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

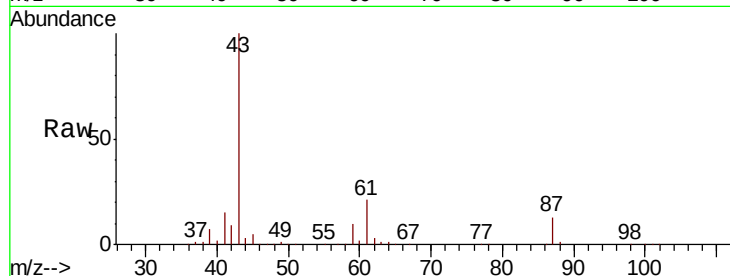
Tot Ion: 43 Resp: 694416

Ion Ratio Lower Upper

43 100

61 19.2 15.8 23.6

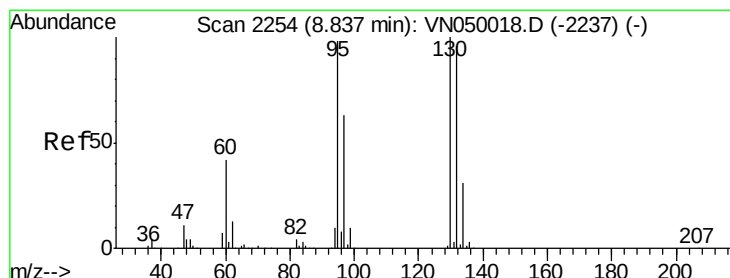
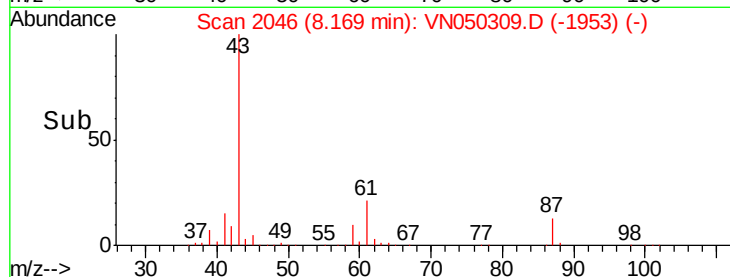
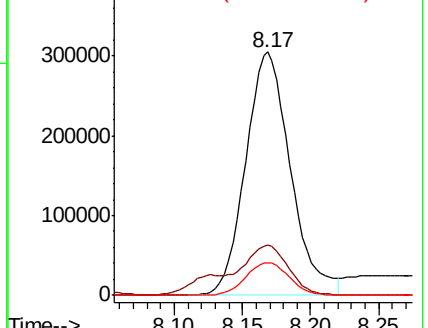
87 13.1 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)



#44

Trichloroethene

Concen: 47.50 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050309.D

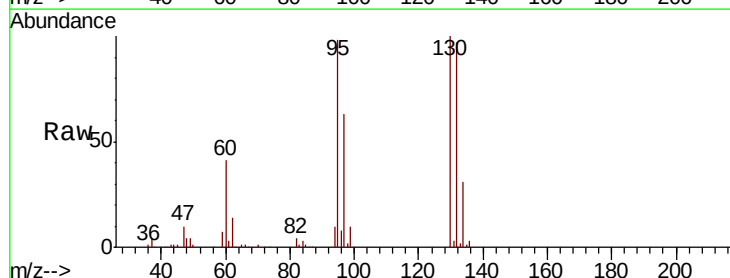
Acq: 3 Aug 2018 13:27

Tgt Ion:130 Resp: 385830

Ion Ratio Lower Upper

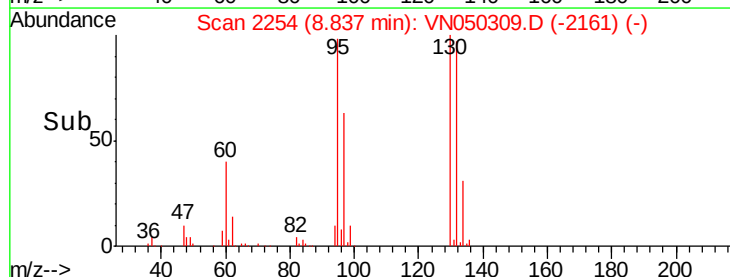
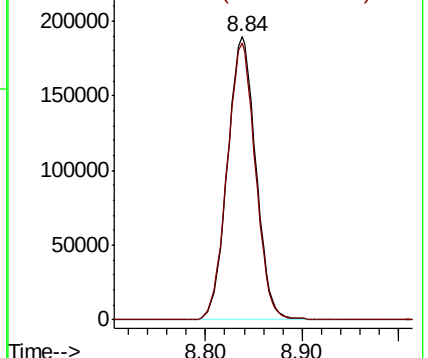
130 100

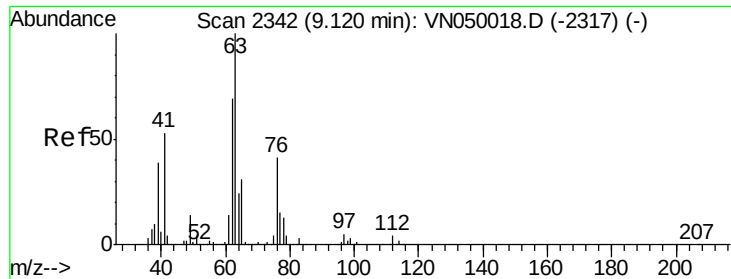
95 98.1 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

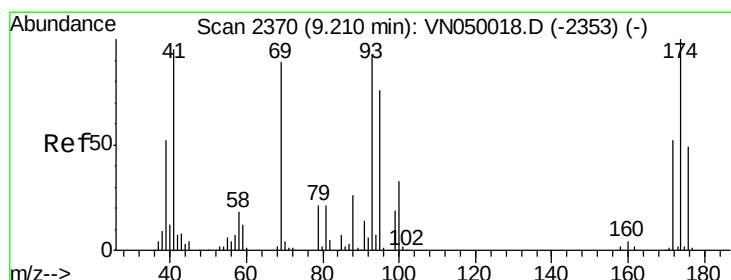
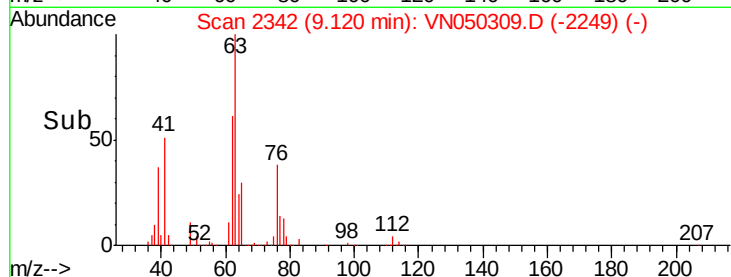
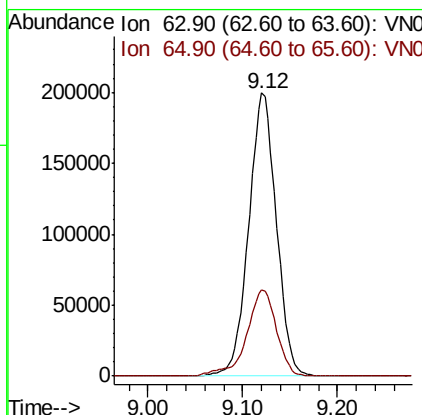
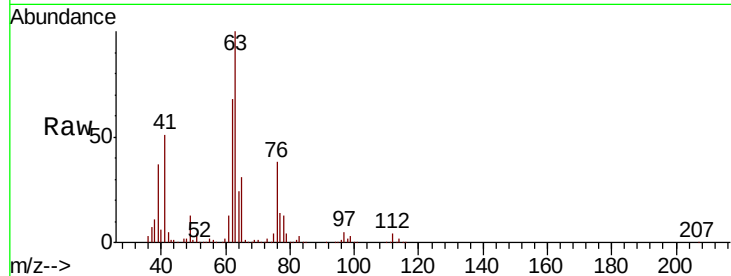




#45
 1,2-Dichloropropane
 Concen: 50.66 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

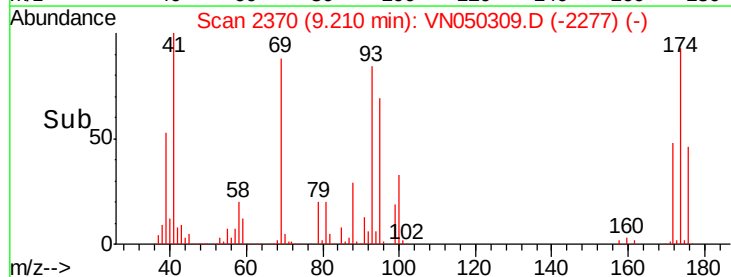
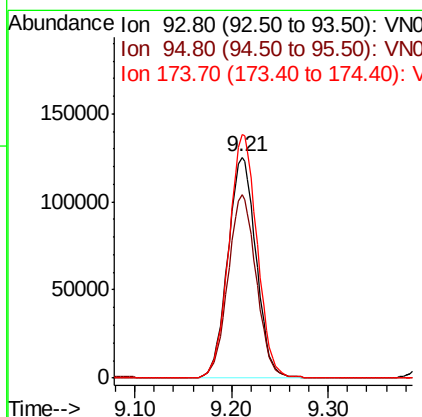
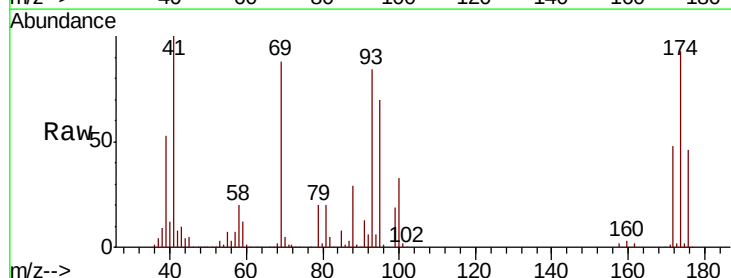
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

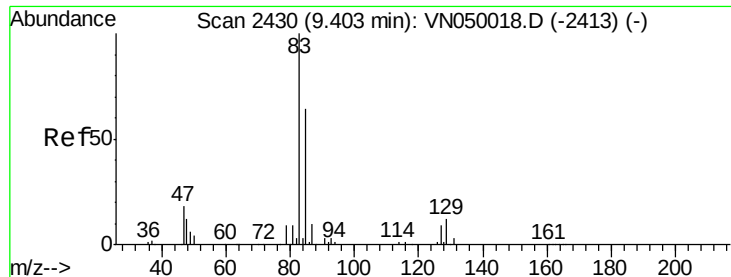
Tot Ion: 63 Resp: 405648
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.5 38.3



#46
 Dibromomethane
 Concen: 51.16 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 93 Resp: 254352
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 110.2 87.1 130.7

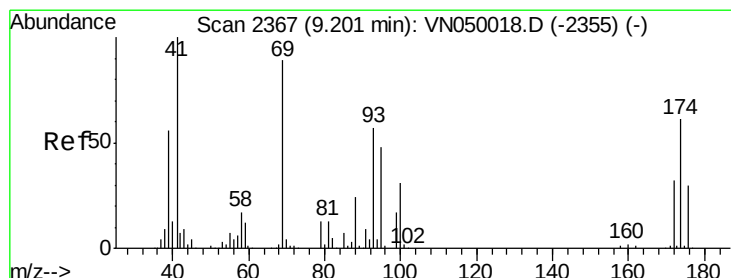
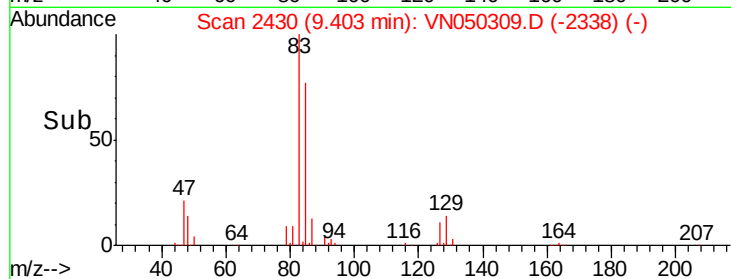
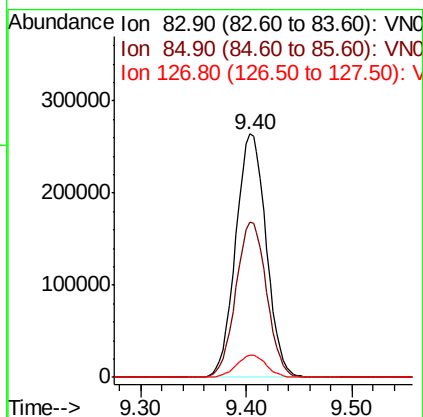
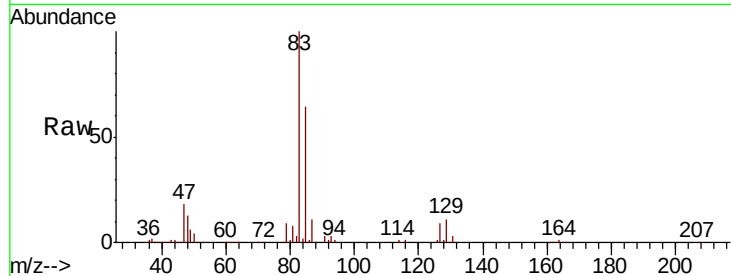




#47
Bromodichloromethane
Concen: 50.49 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

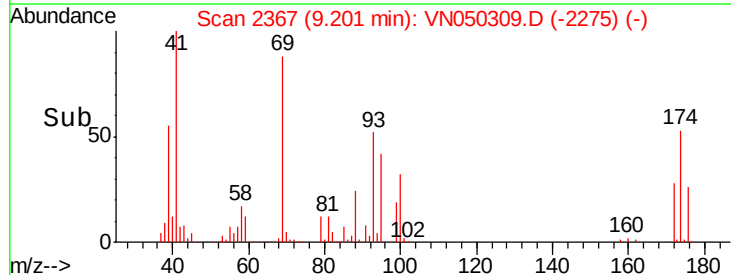
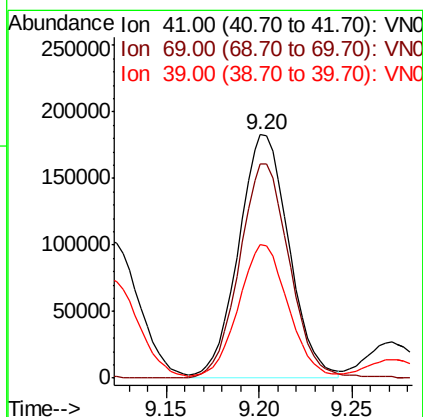
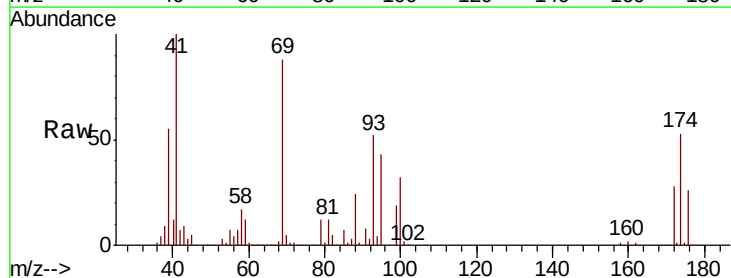
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

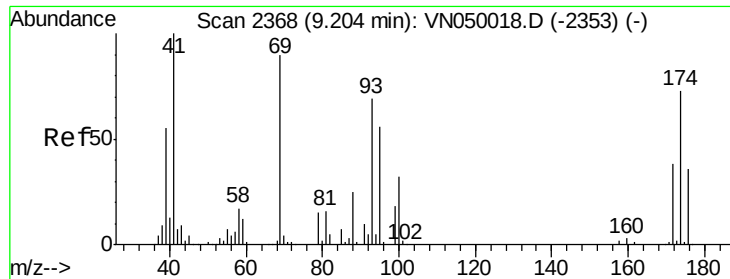
Tot Ion: 83 Resp: 529731
Ion Ratio Lower Upper
83 100
85 63.5 51.1 76.7
127 9.1 7.0 10.4



#48
Methyl methacrylate
Concen: 57.54 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 41 Resp: 343233
Ion Ratio Lower Upper
41 100
69 88.2 70.6 105.8
39 54.1 43.9 65.9





#49

1,4-Dioxane

Concen: 1226.26 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

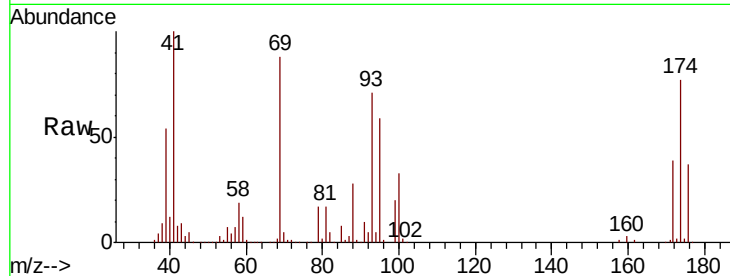
Tot Ion: 88 Resp: 99541

Ion Ratio Lower Upper

88 100

43 32.4 26.9 40.3

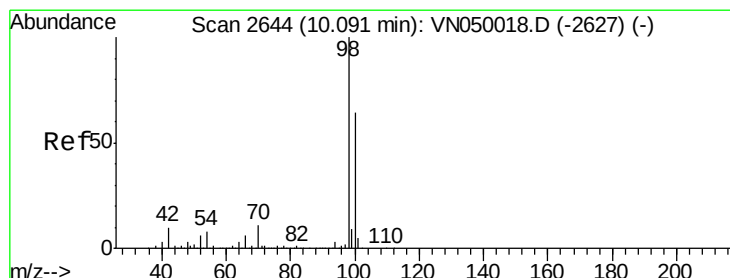
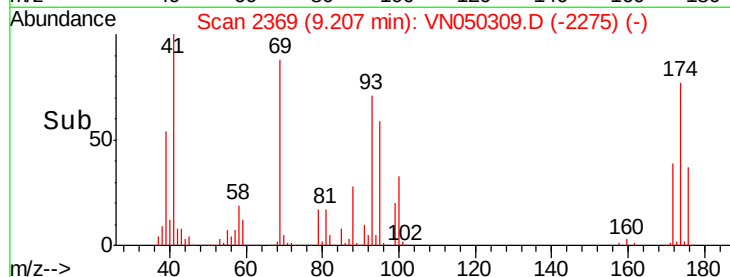
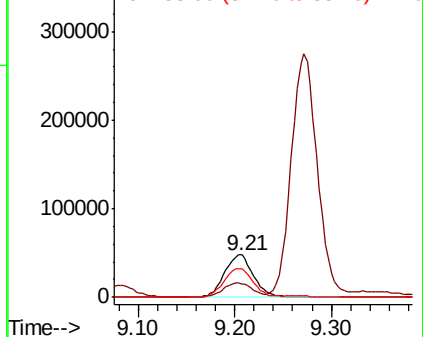
58 68.4 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.43 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050309.D

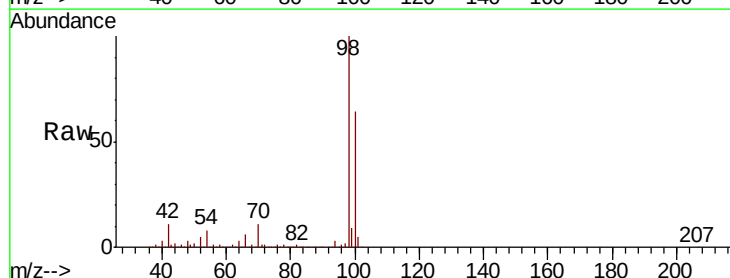
Acq: 3 Aug 2018 13:27

Tgt Ion: 98 Resp: 1334648

Ion Ratio Lower Upper

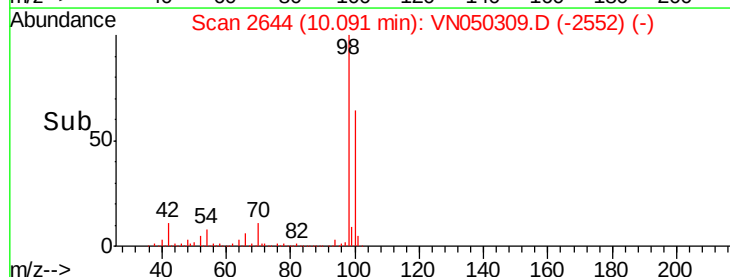
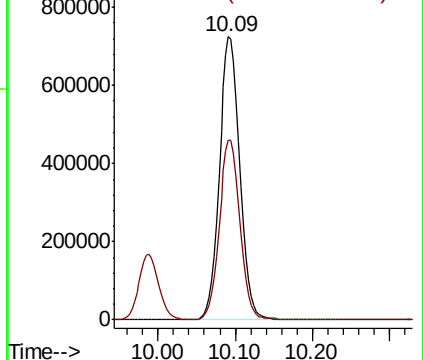
98 100

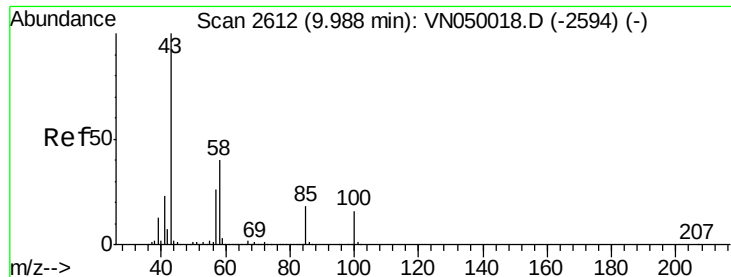
100 64.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

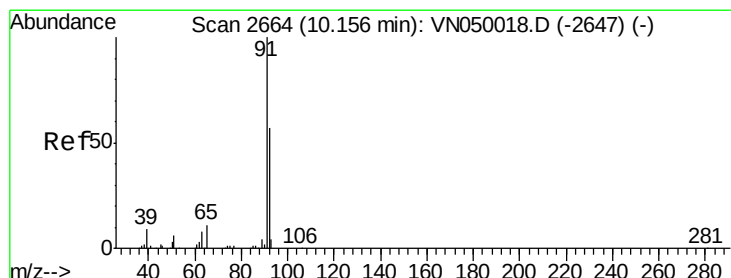
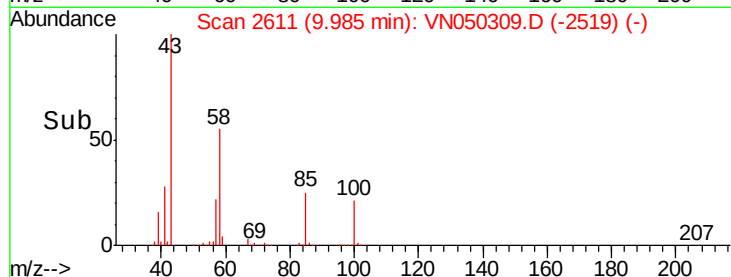
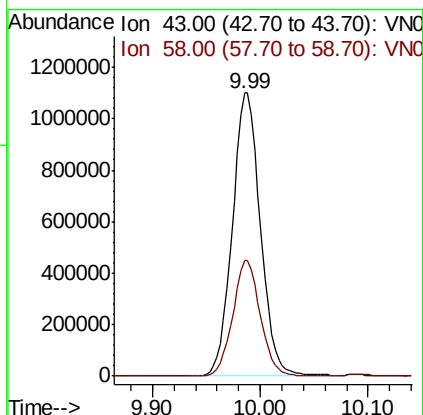
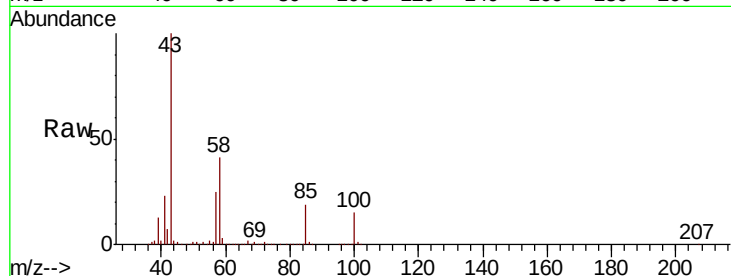




#51
 4-Methyl-2-Pentanone
 Concen: 292.51 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

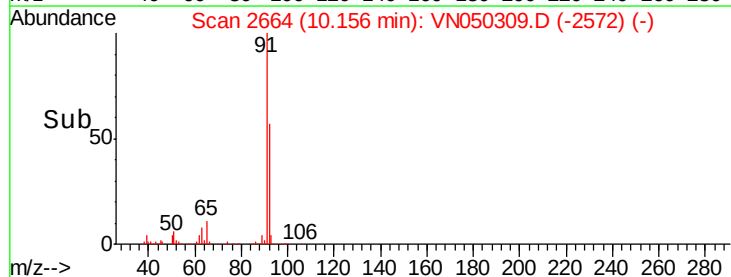
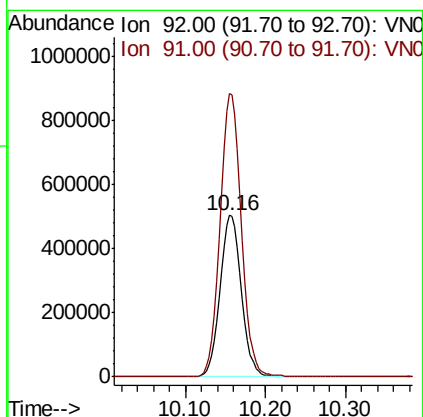
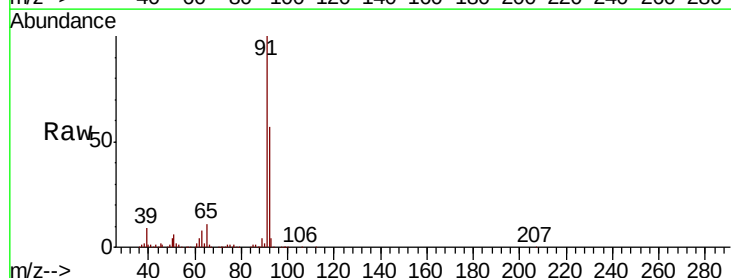
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

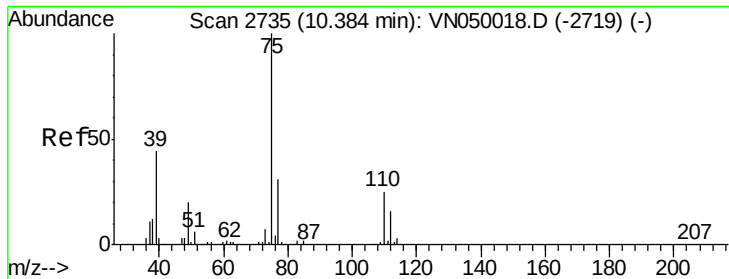
Tot Ion: 43 Resp: 1991593
 Ion Ratio Lower Upper
 43 100
 58 40.2 31.9 47.9



#52
 Toluene
 Concen: 52.00 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 92 Resp: 927839
 Ion Ratio Lower Upper
 92 100
 91 175.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 55.18 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

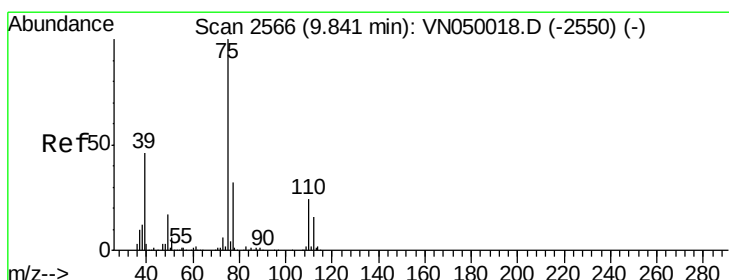
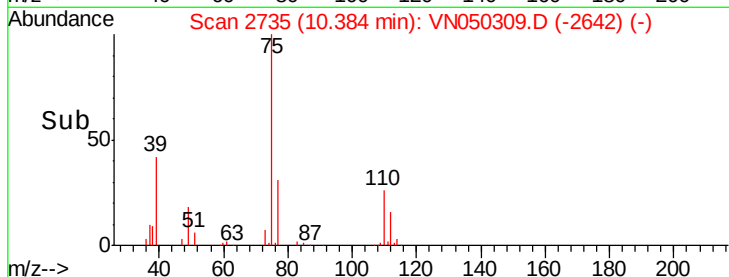
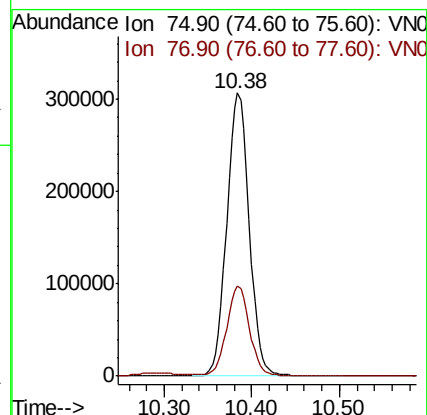
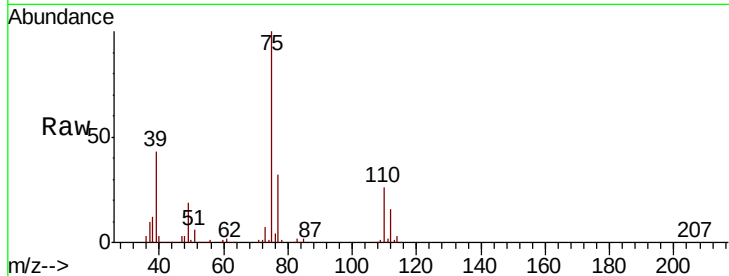
VSTDCCC050

Tot Ion: 75 Resp: 546373

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 53.39 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

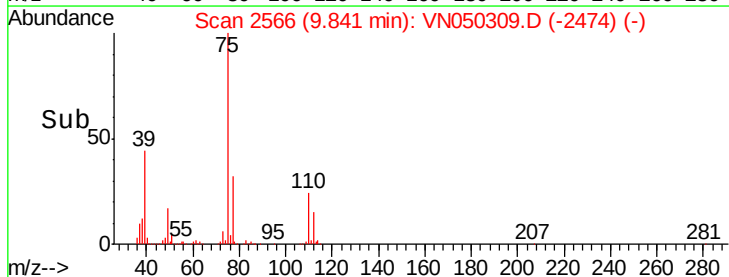
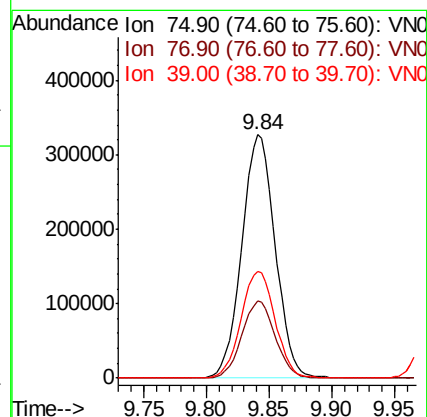
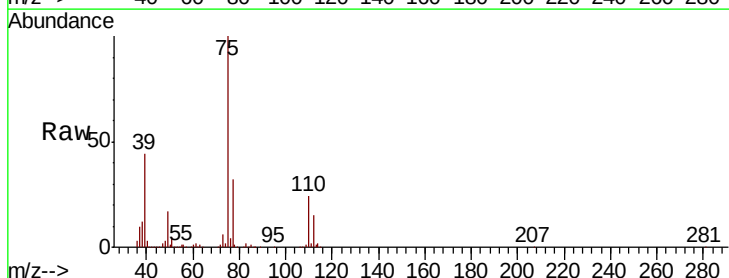
Tgt Ion: 75 Resp: 604105

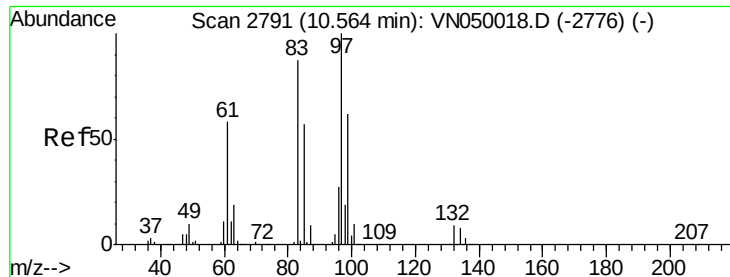
Ion Ratio Lower Upper

75 100

77 31.7 25.5 38.3

39 44.0 36.6 55.0

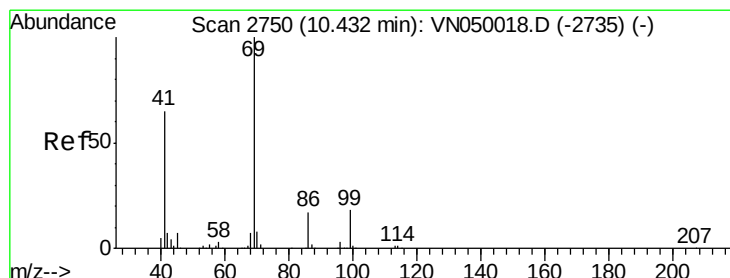
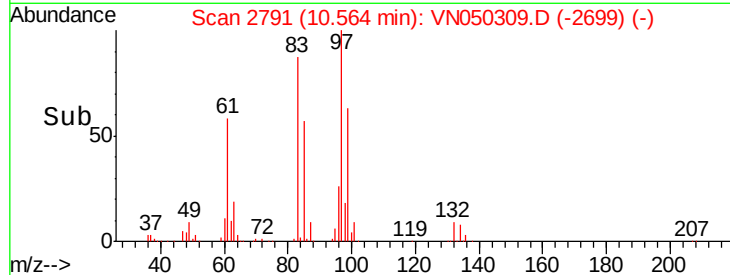
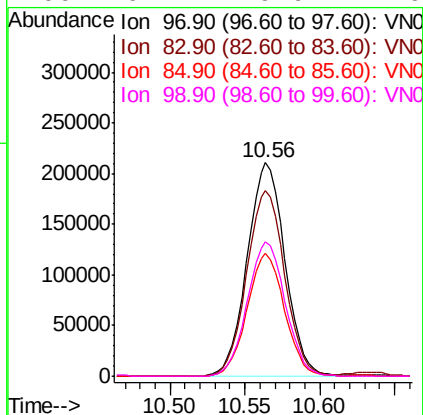
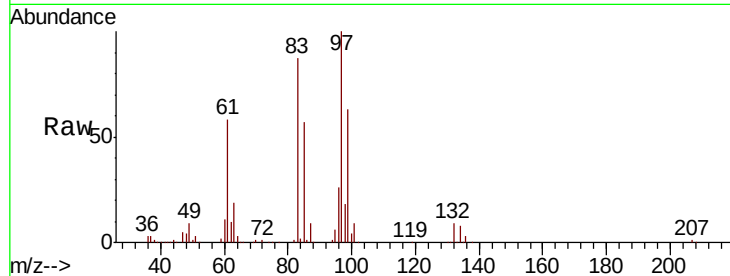




#55
 1,1,2-Trichloroethane
 Concen: 52.36 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

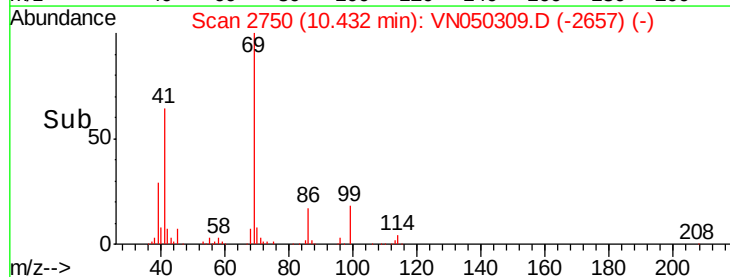
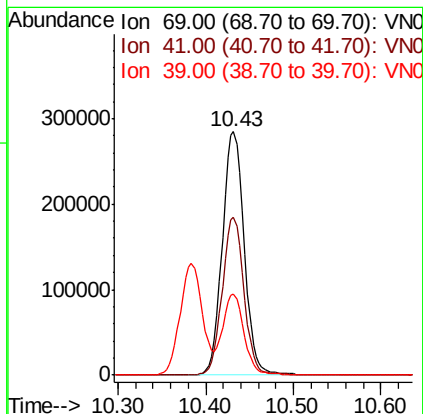
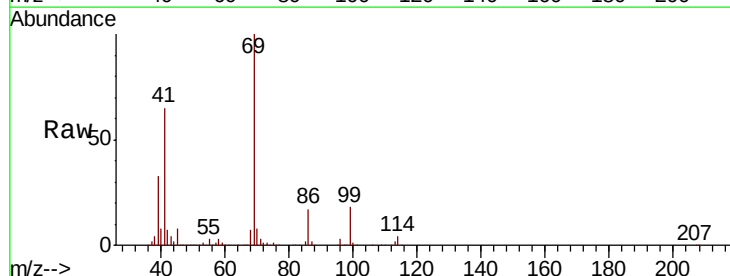
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

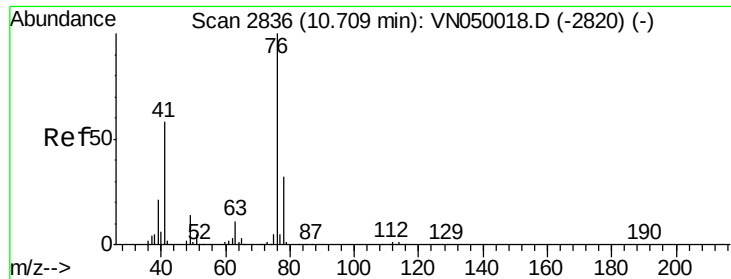
Tot Ion: 97 Resp: 370581
 Ion Ratio Lower Upper
 97 100
 83 87.0 69.2 103.8
 85 57.3 44.0 66.0
 99 62.7 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 51.63 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 69 Resp: 495687
 Ion Ratio Lower Upper
 69 100
 41 63.5 51.0 76.4
 39 32.3 26.6 40.0

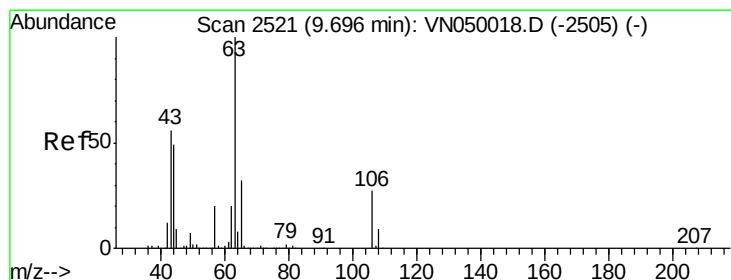
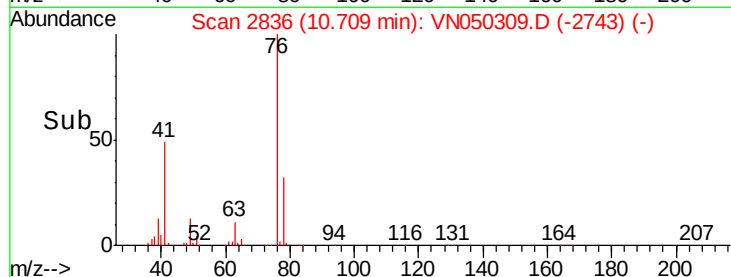
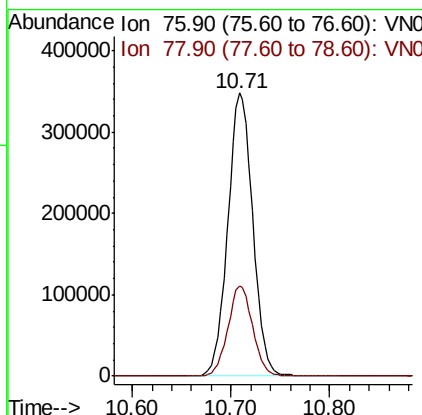
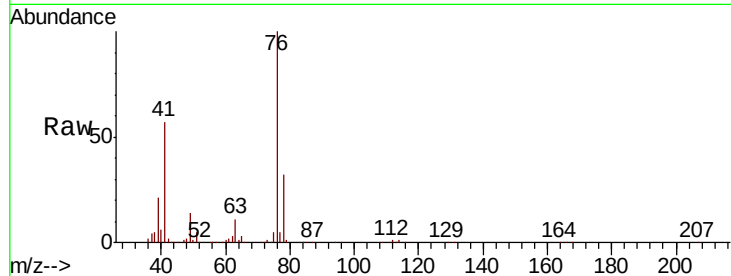




#57
 1,3-Dichloropropane
 Concen: 53.49 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

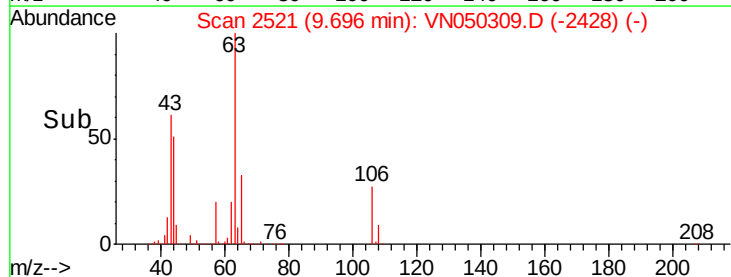
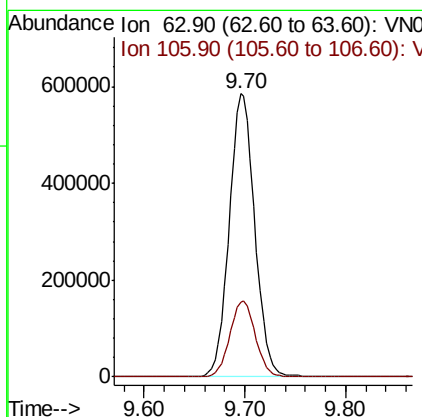
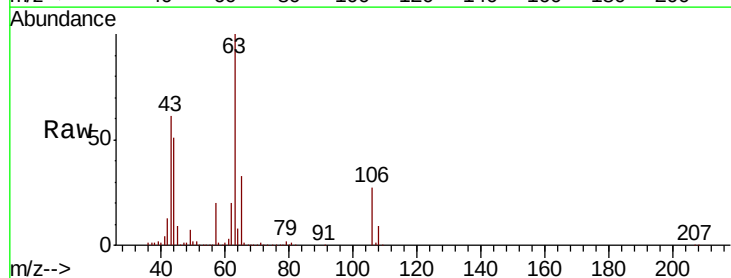
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

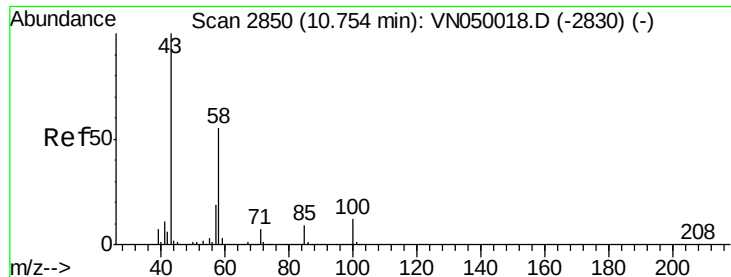
Tot Ion: 76 Resp: 616516
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.31 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion: 63 Resp: 1033135
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.7 32.5

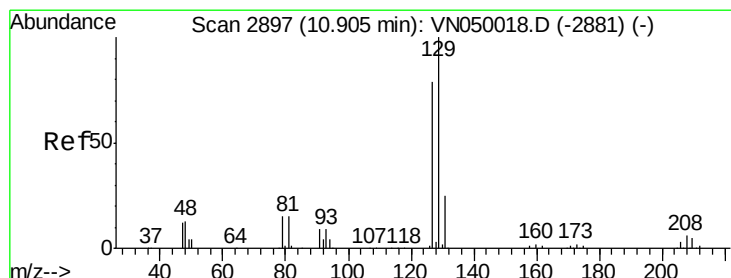
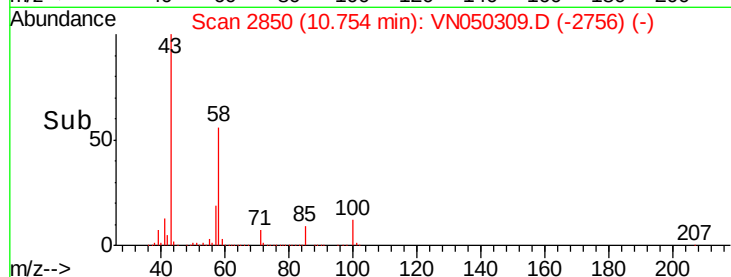
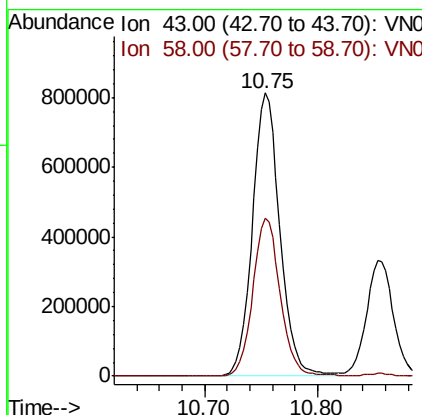
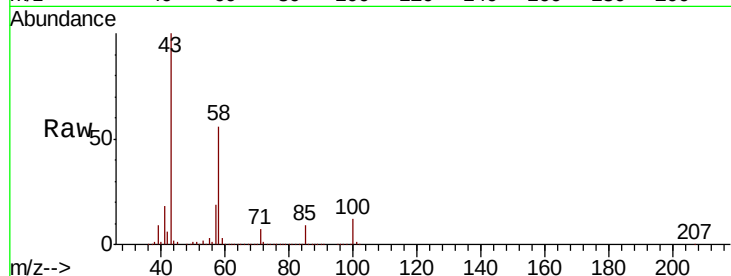




#59
2-Hexanone
Concen: 273.35 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

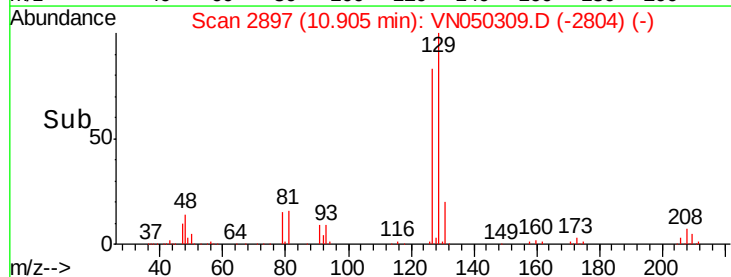
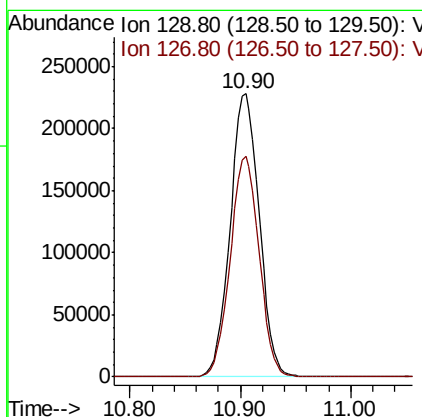
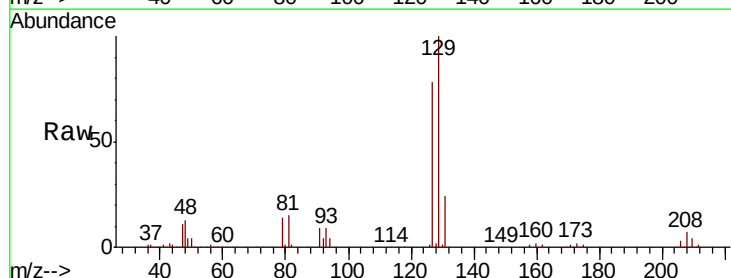
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

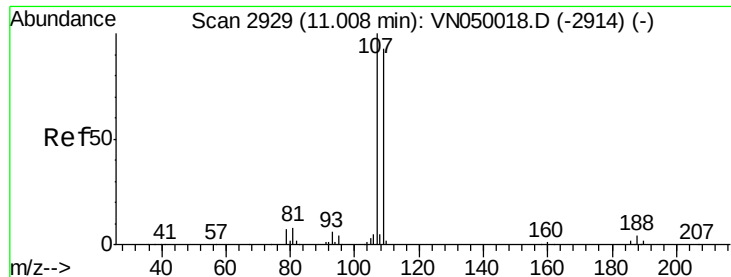
Tot Ion: 43 Resp: 1370058
Ion Ratio Lower Upper
43 100
58 55.8 27.6 82.7



#60
Dibromochloromethane
Concen: 53.24 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion: 129 Resp: 417164
Ion Ratio Lower Upper
129 100
127 77.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 52.12 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

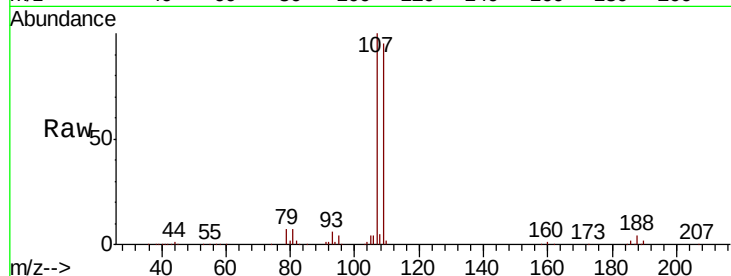
VSTDCCC050

Tot Ion:107 Resp: 366005

Ion Ratio Lower Upper

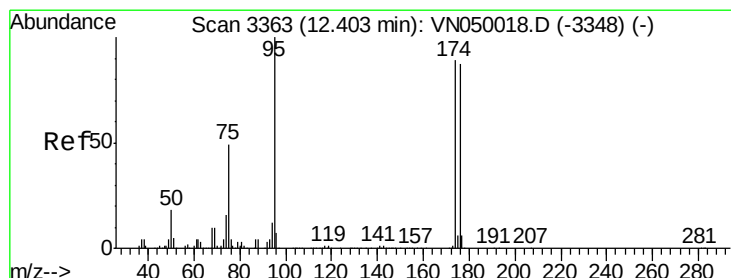
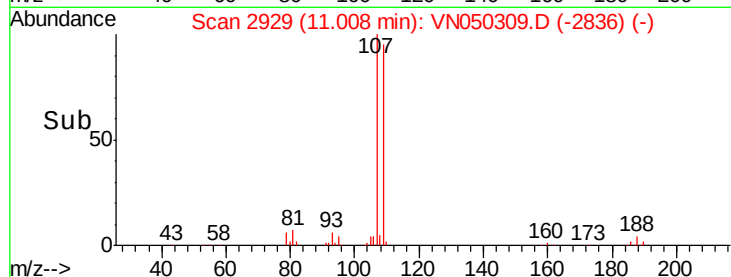
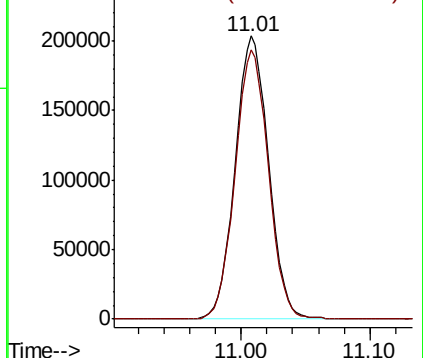
107 100

109 95.1 74.6 112.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.25 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

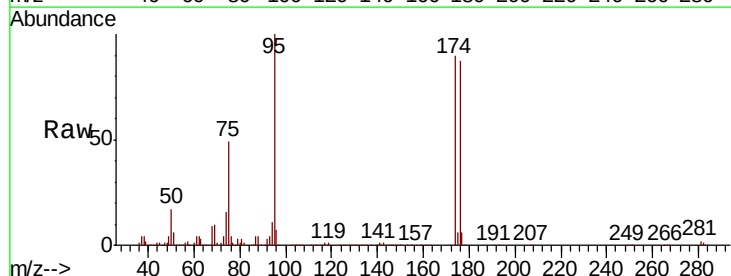
Tgt Ion: 95 Resp: 464046

Ion Ratio Lower Upper

95 100

174 89.6 0.0 178.2

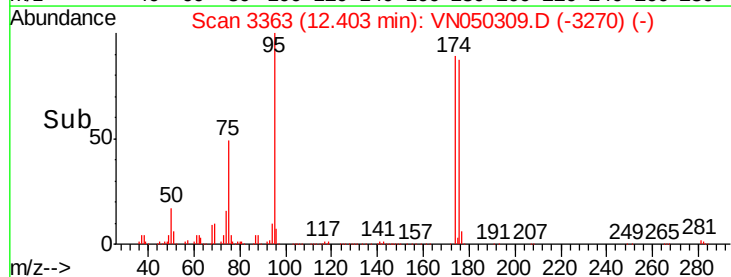
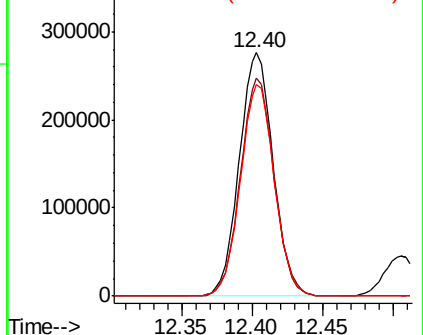
176 87.1 0.0 173.4

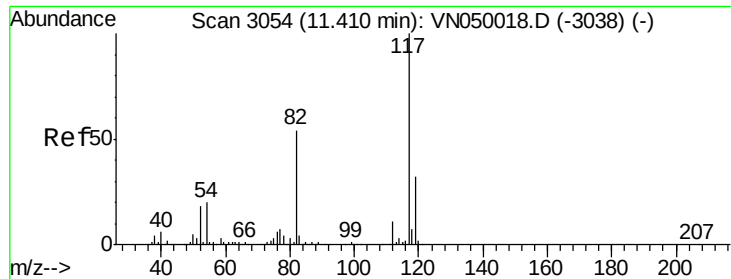


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

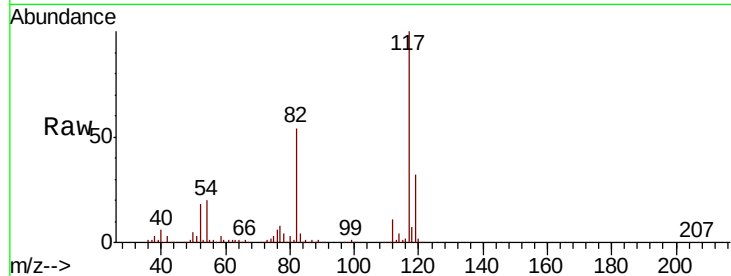




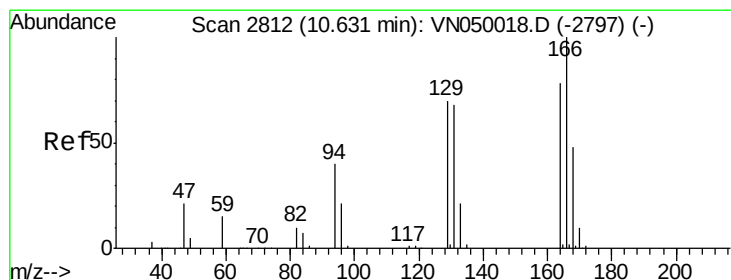
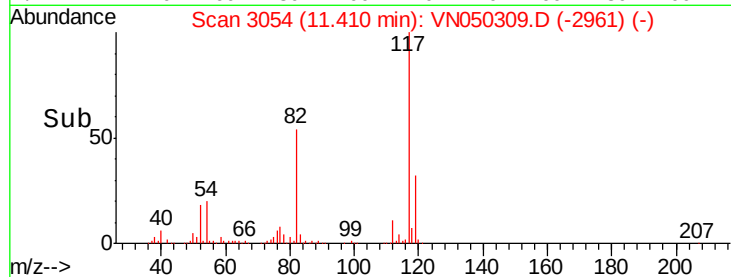
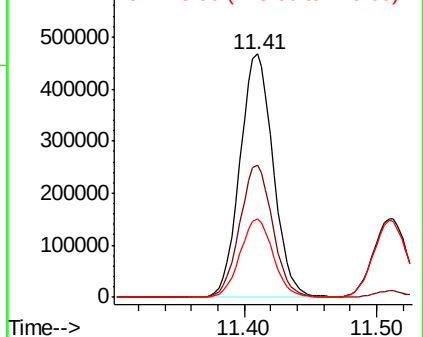
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 812233
Ion Ratio Lower Upper
117 100
82 54.4 43.7 65.5
119 32.0 26.1 39.1

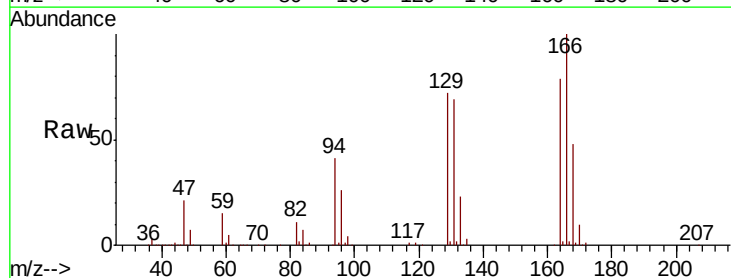


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

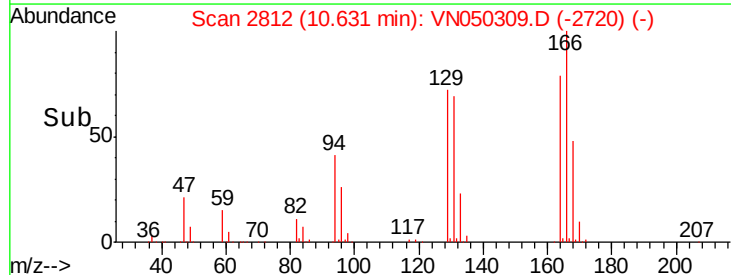
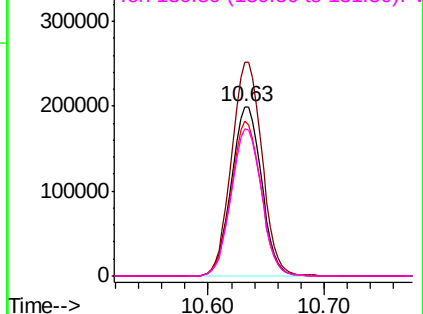


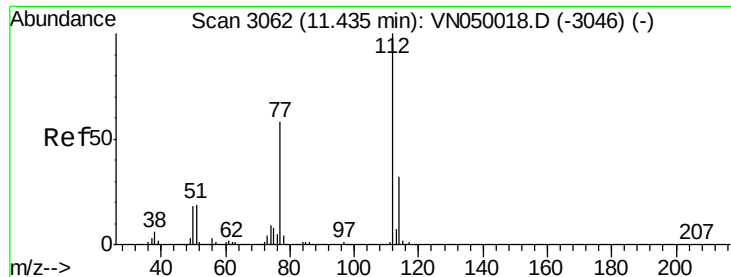
#64
Tetrachloroethene
Concen: 46.00 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion:164 Resp: 359221
Ion Ratio Lower Upper
164 100
166 125.8 102.1 153.1
129 91.2 73.2 109.8
131 87.1 70.6 106.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

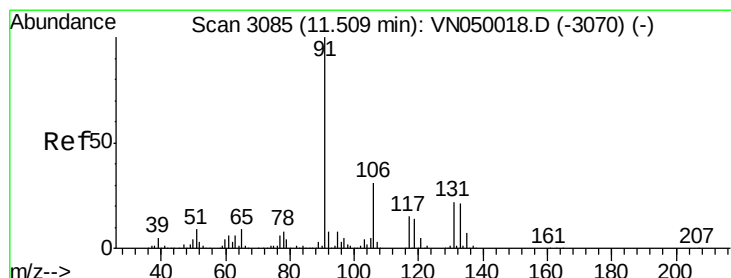
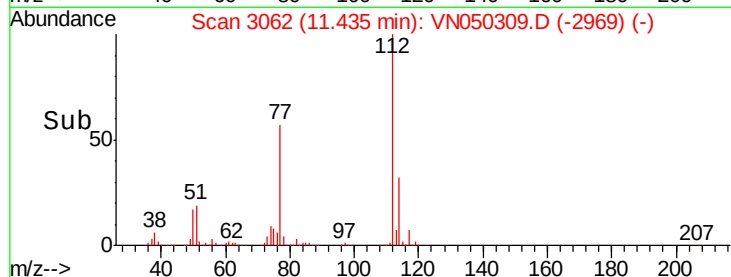
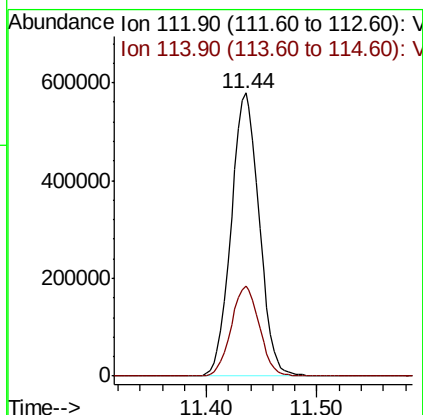
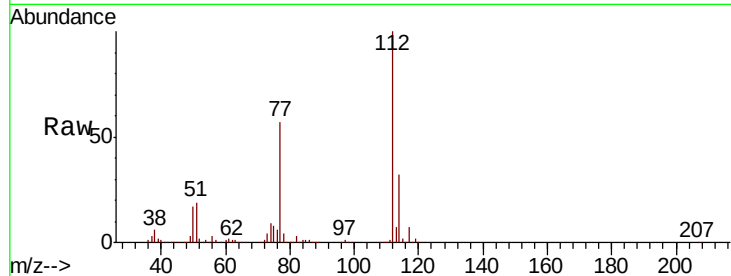




#65
Chlorobenzene
Concen: 49.64 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

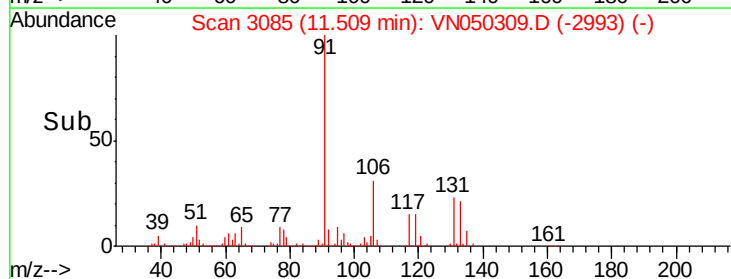
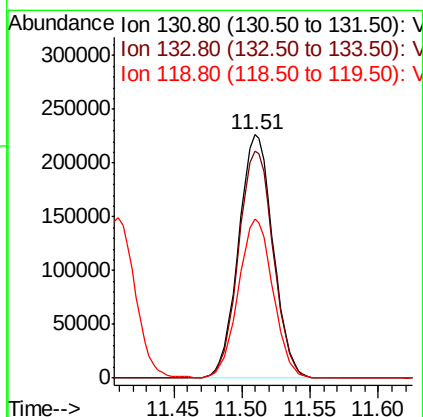
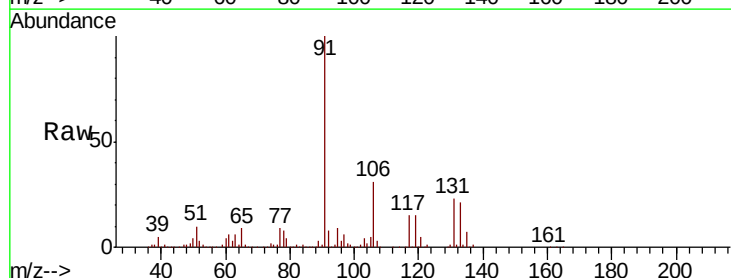
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

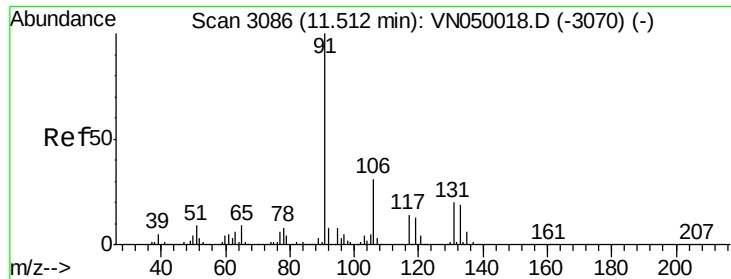
Tot Ion:112 Resp: 1018527
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.33 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion:131 Resp: 396798
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 65.6 32.9 98.7





#67

Ethyl Benzene

Concen: 53.06 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

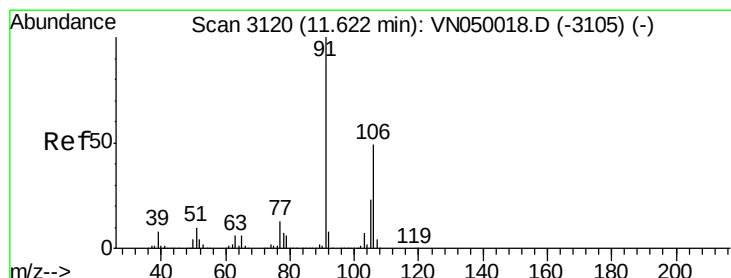
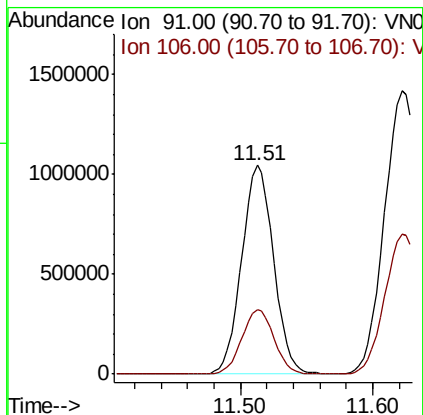
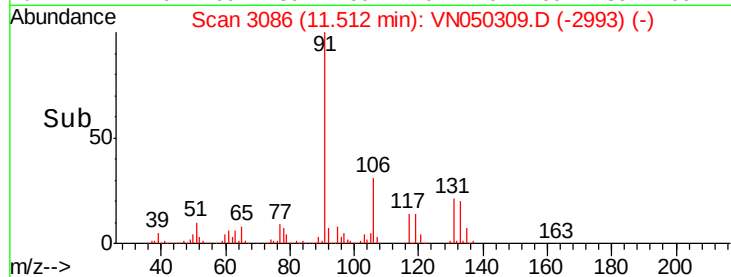
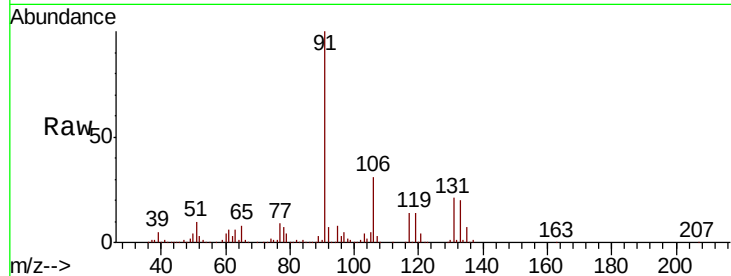
VSTDCCC050

Tot Ion: 91 Resp: 1748771

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 108.48 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050309.D

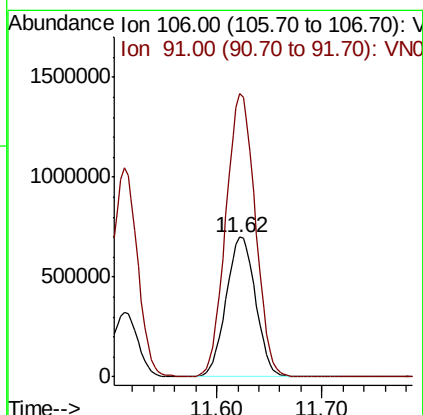
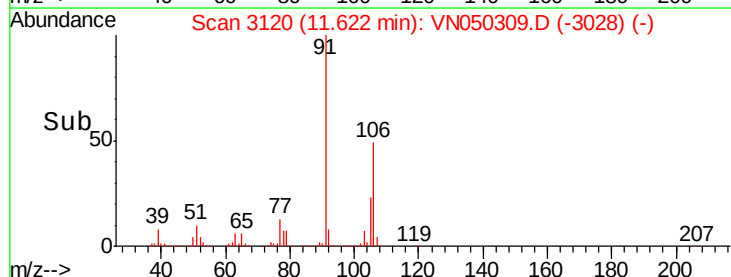
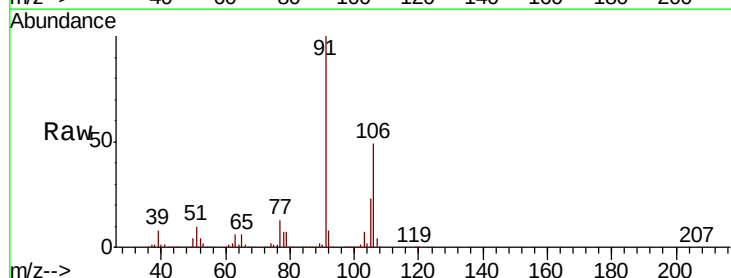
Acq: 3 Aug 2018 13:27

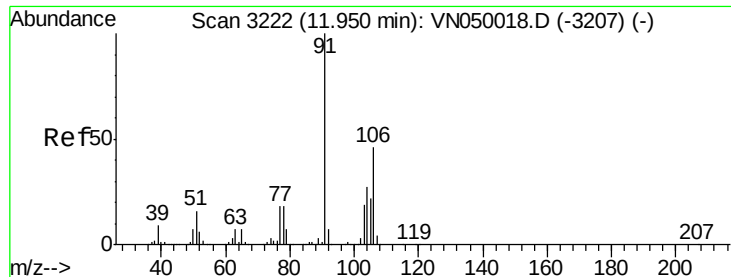
Tgt Ion: 106 Resp: 1352334

Ion Ratio Lower Upper

106 100

91 202.6 162.2 243.2

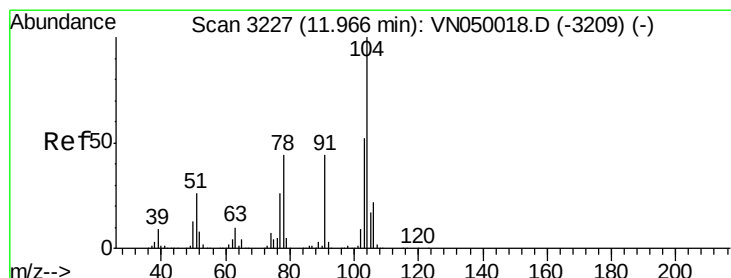
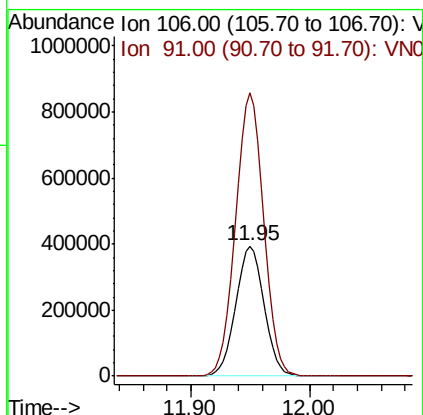
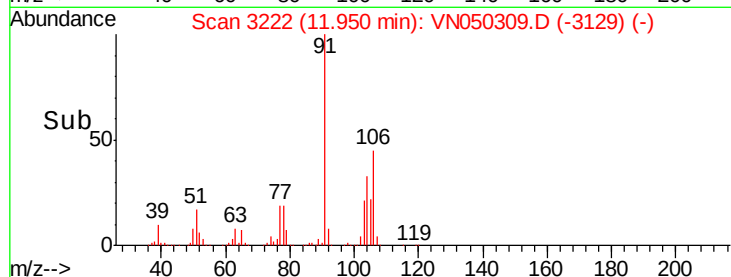
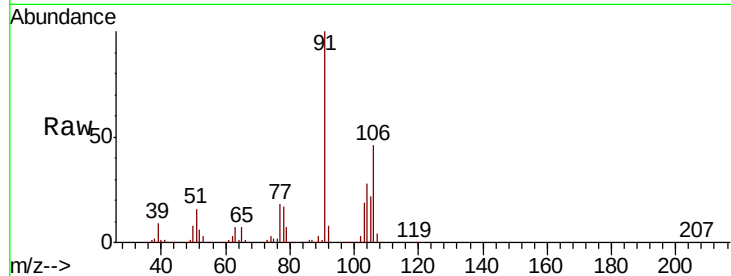




#69
o-Xylene
Concen: 54.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

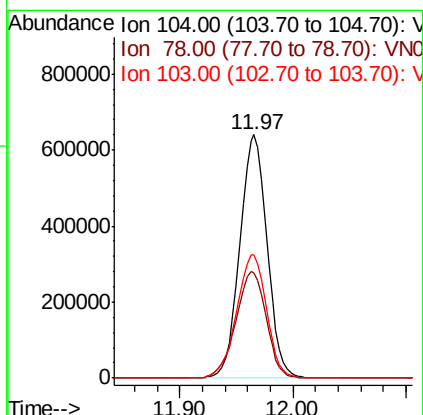
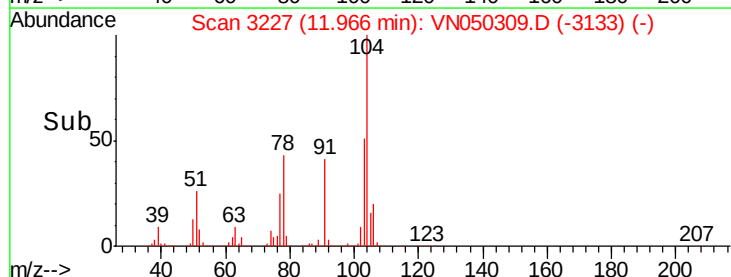
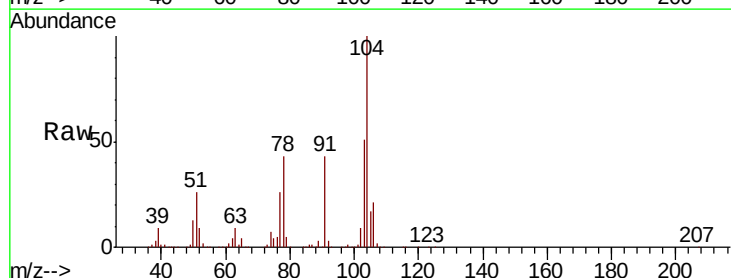
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

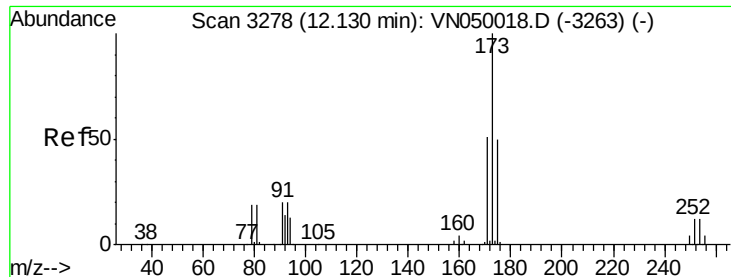
Tot Ion:106 Resp: 648882
Ion Ratio Lower Upper
106 100
91 216.3 107.7 323.1



#70
Styrene
Concen: 50.90 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion:104 Resp: 1076068
Ion Ratio Lower Upper
104 100
78 48.7 39.3 58.9
103 55.6 45.0 67.6





#71

Bromoform

Concen: 53.12 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

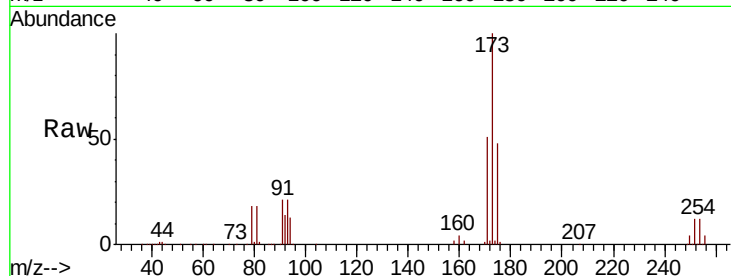
Tot Ion:173 Resp: 304614

Ion Ratio Lower Upper

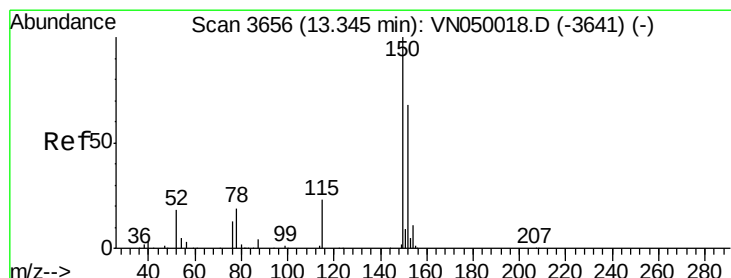
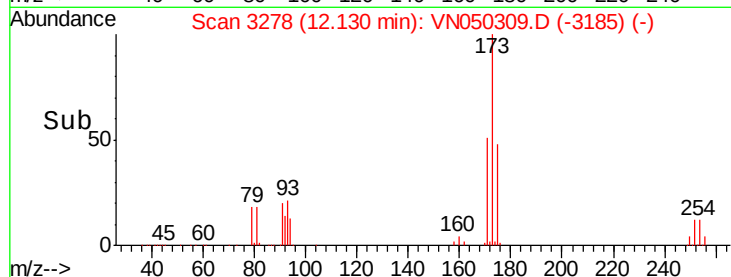
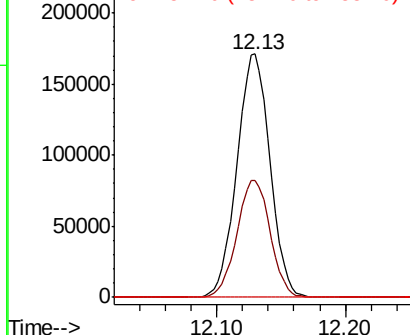
173 100

175 48.4 24.1 72.2

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

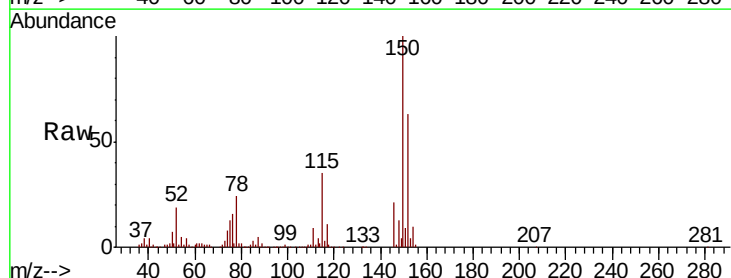
Tgt Ion:152 Resp: 429108

Ion Ratio Lower Upper

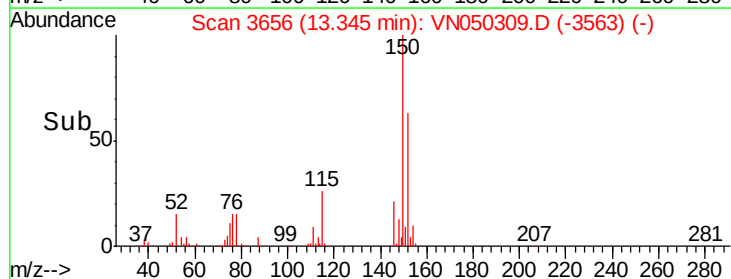
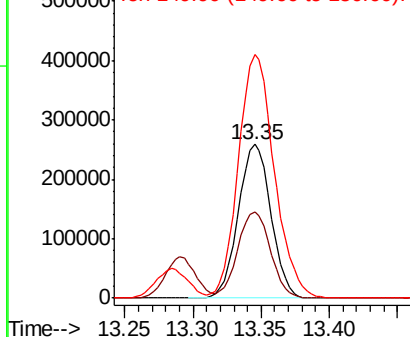
152 100

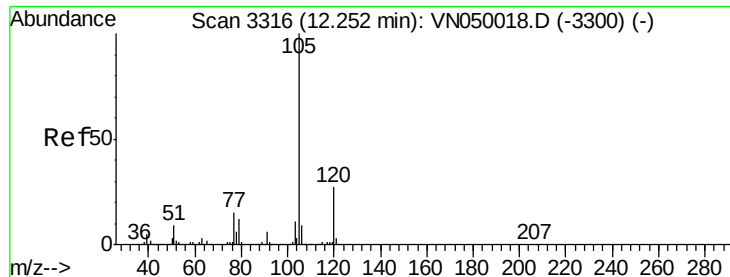
115 56.0 27.8 83.3

150 174.8 0.0 348.6



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





#73

Isopropylbenzene

Concen: 52.52 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

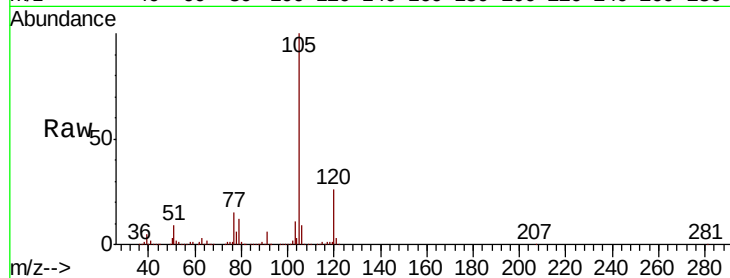
VSTDCCC050

Tot Ion:105 Resp: 1747939

Ion Ratio Lower Upper

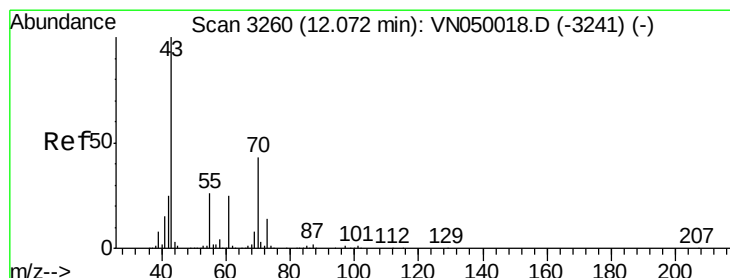
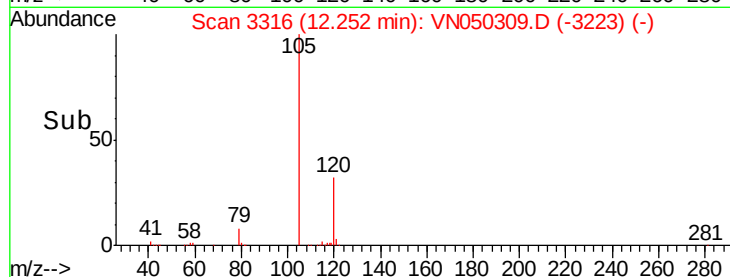
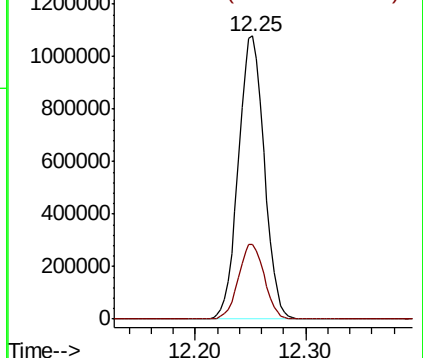
105 100

120 26.5 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.78 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Tgt Ion: 43 Resp: 547050

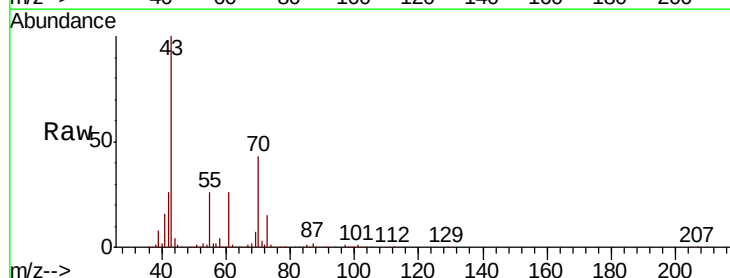
Ion Ratio Lower Upper

43 100

70 43.5 34.4 51.6

55 26.3 20.8 31.2

61 25.3 19.7 29.5

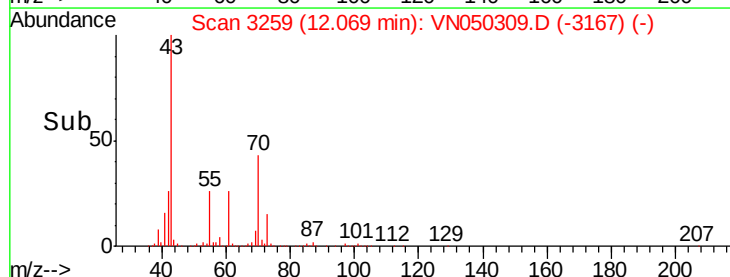
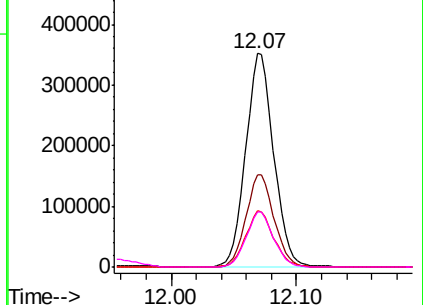


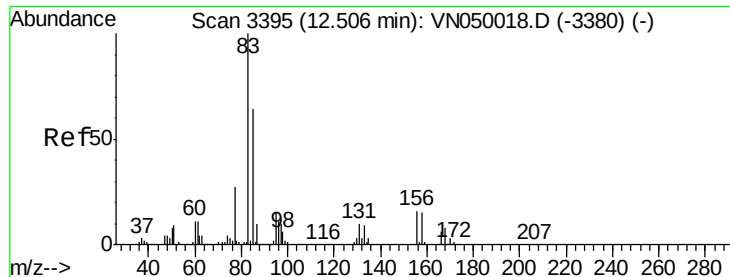
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.62 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

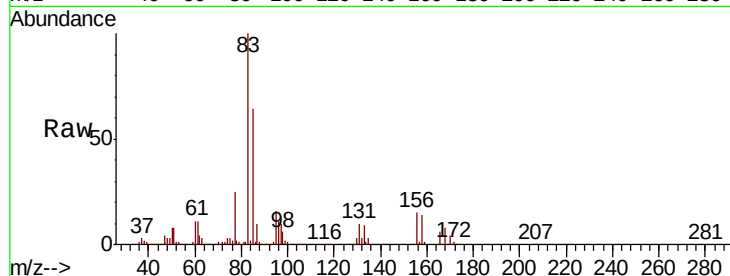
Tot Ion: 83 Resp: 501161

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

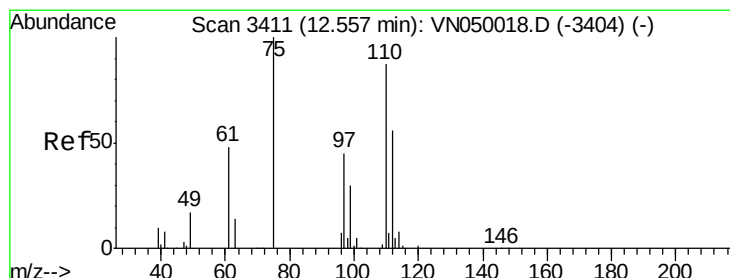
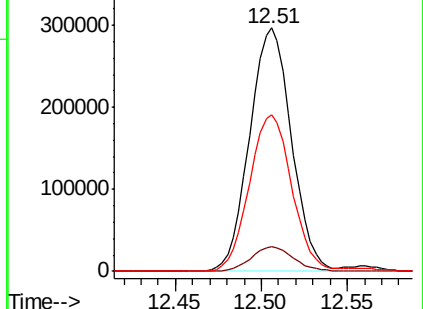
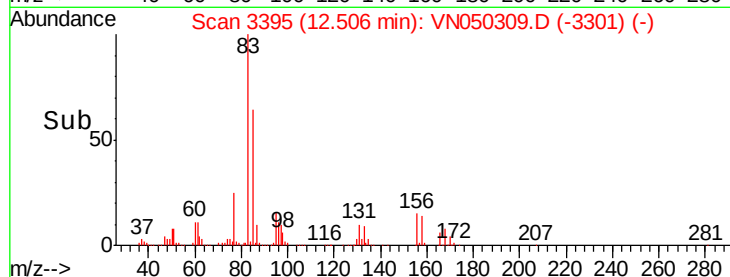
85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050309.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN050309.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN050309.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 76.21 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050309.D

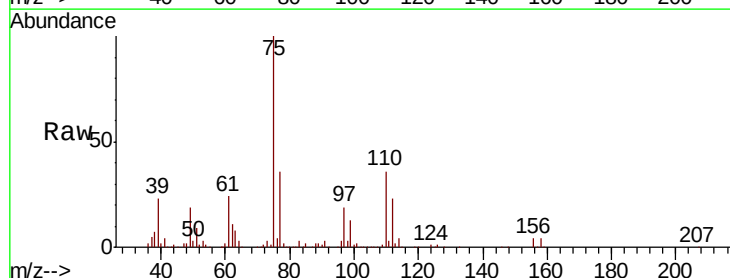
Acq: 3 Aug 2018 13:27

Tgt Ion: 75 Resp: 607773

Ion Ratio Lower Upper

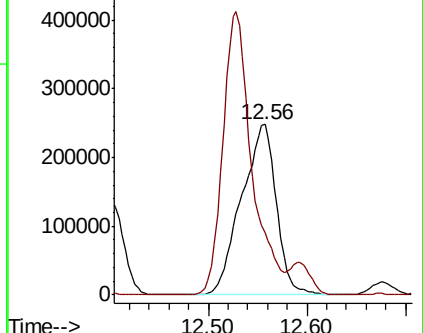
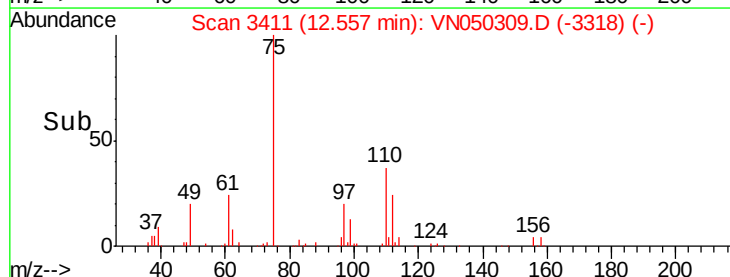
75 100

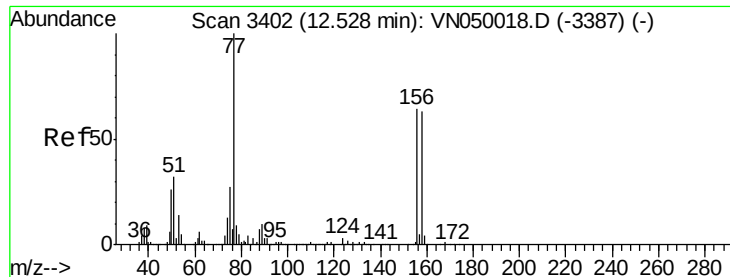
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050309.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050309.D (-3318) (-)





#77

Bromobenzene

Concen: 48.66 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

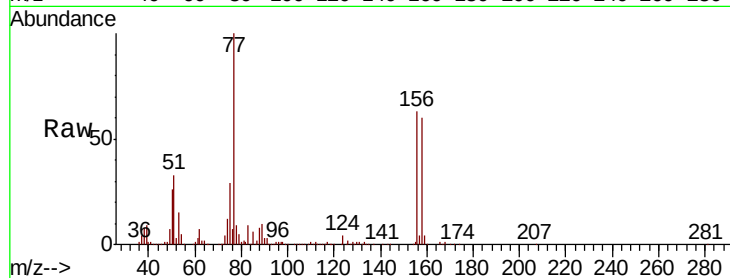
Tot Ion:156 Resp: 448793

Ion Ratio Lower Upper

156 100

77 188.3 91.7 275.1

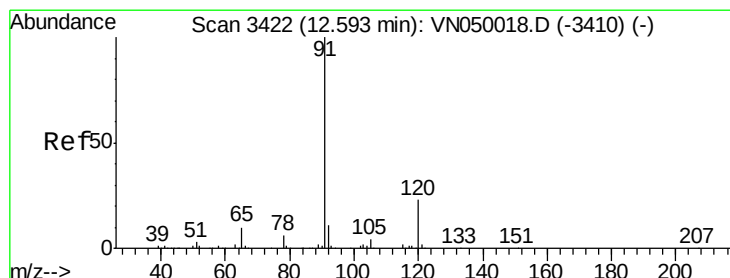
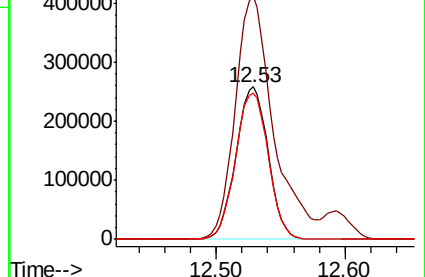
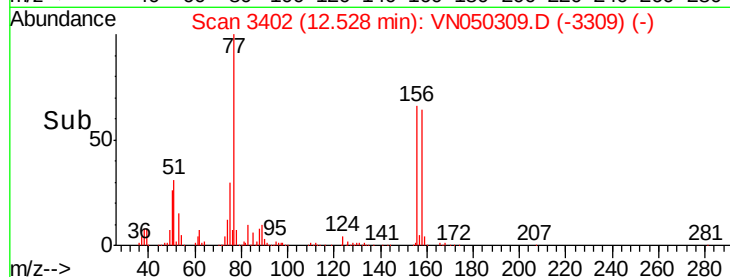
158 97.6 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.24 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050309.D

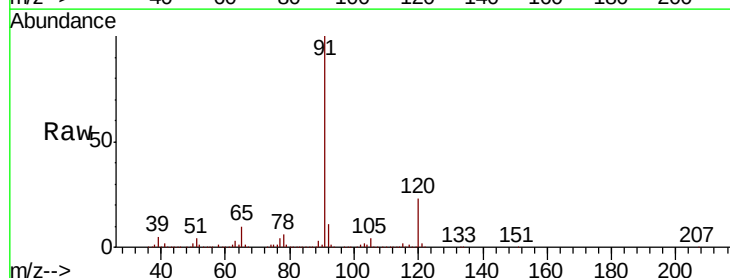
Acq: 3 Aug 2018 13:27

Tgt Ion: 91 Resp: 2017746

Ion Ratio Lower Upper

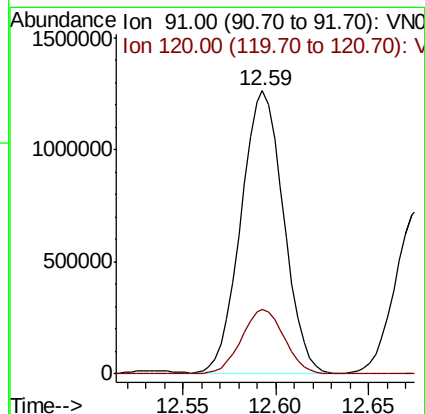
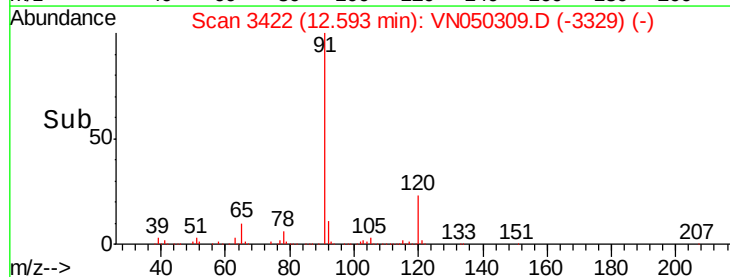
91 100

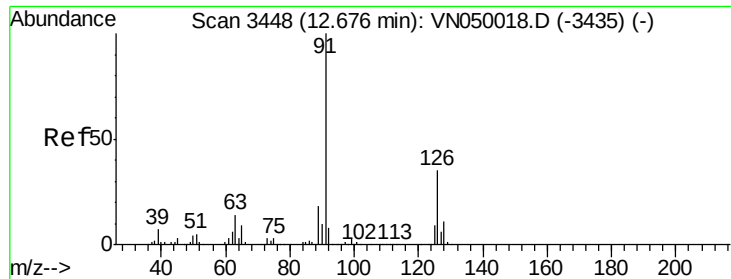
120 23.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.99 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

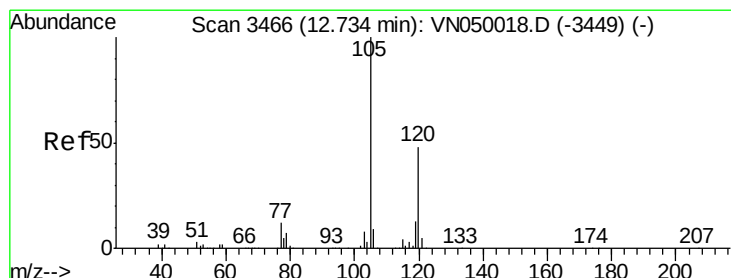
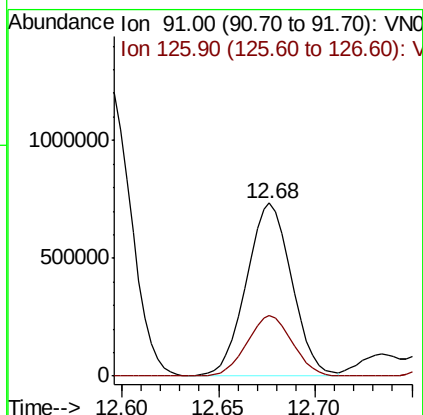
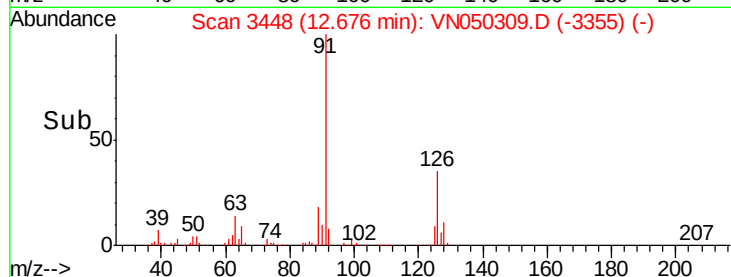
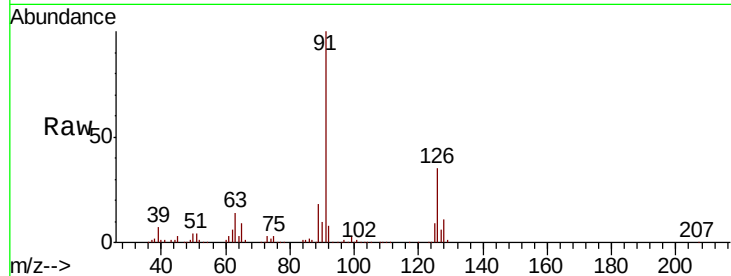
VSTDCCC050

Tot Ion: 91 Resp: 1198706

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 55.04 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050309.D

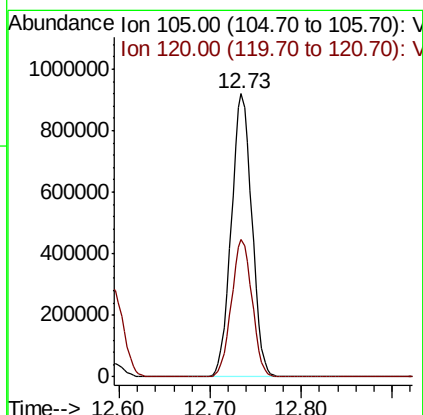
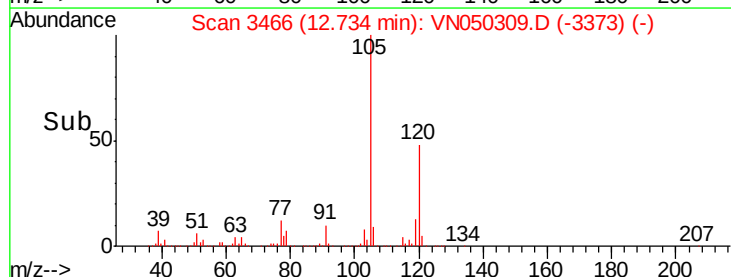
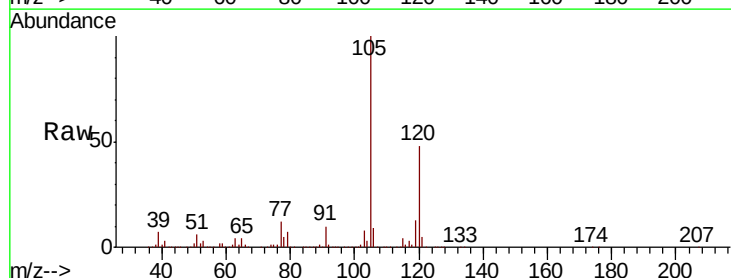
Acq: 3 Aug 2018 13:27

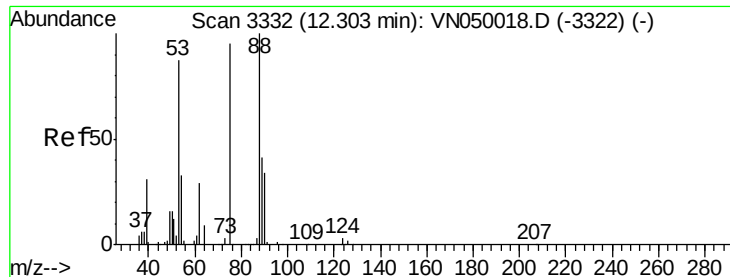
Tgt Ion:105 Resp: 1440831

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.32 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

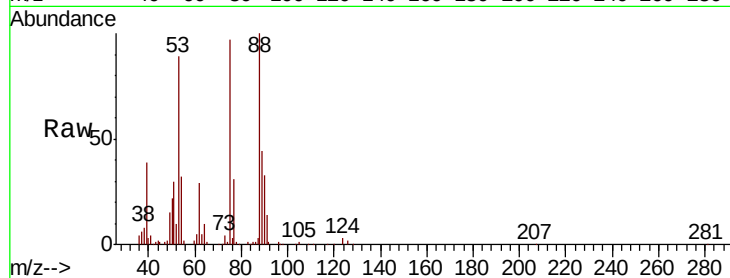
Tot Ion: 75 Resp: 136560

Ion Ratio Lower Upper

75 100

53 91.1 73.5 110.3

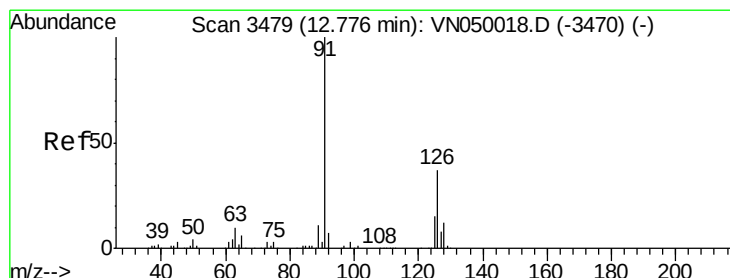
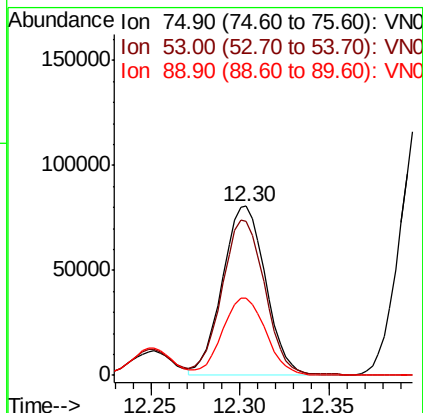
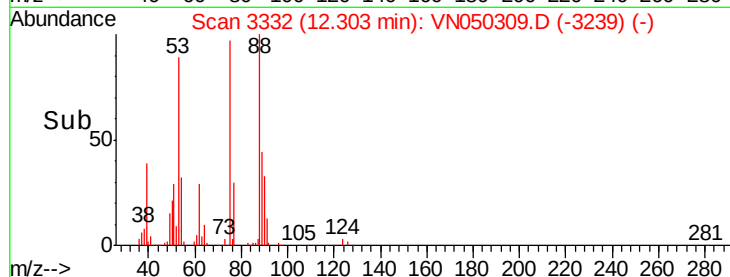
89 45.7 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.83 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050309.D

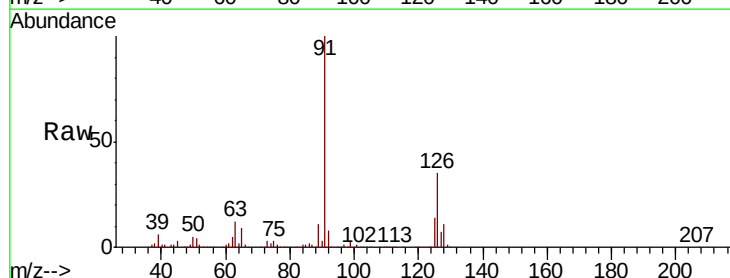
Acq: 3 Aug 2018 13:27

Tgt Ion: 91 Resp: 1206108

Ion Ratio Lower Upper

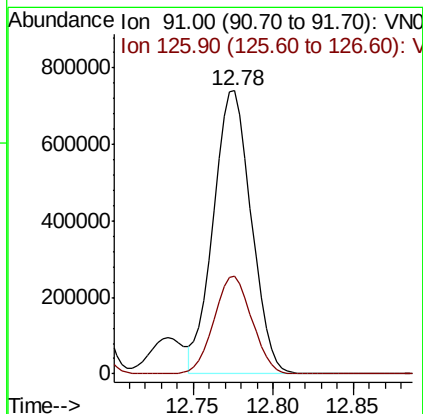
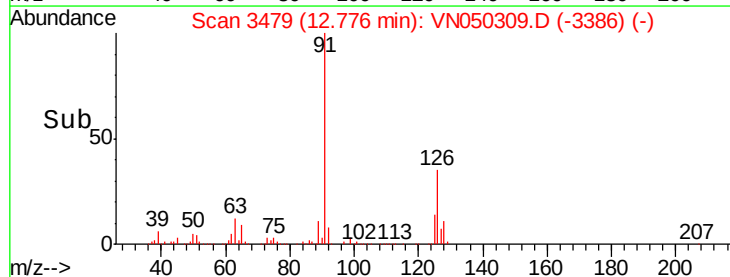
91 100

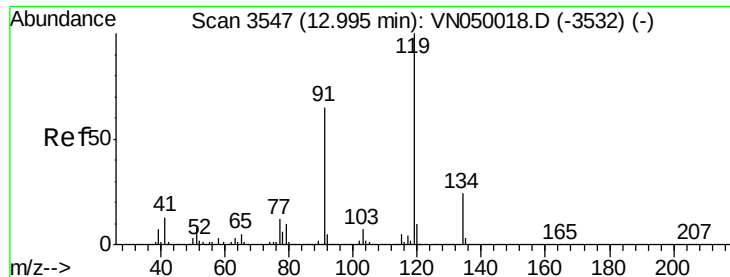
126 34.6 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

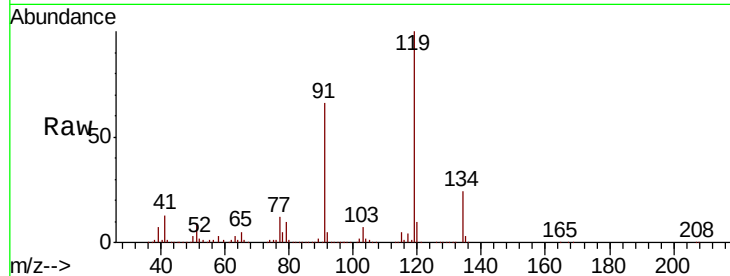




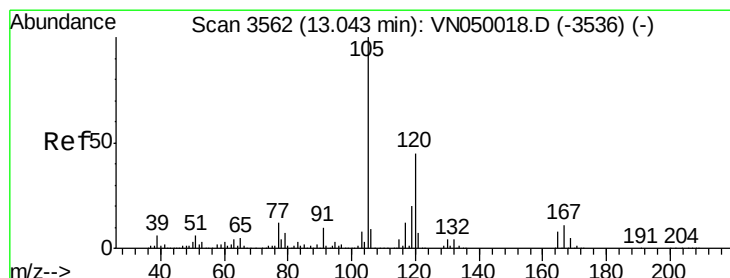
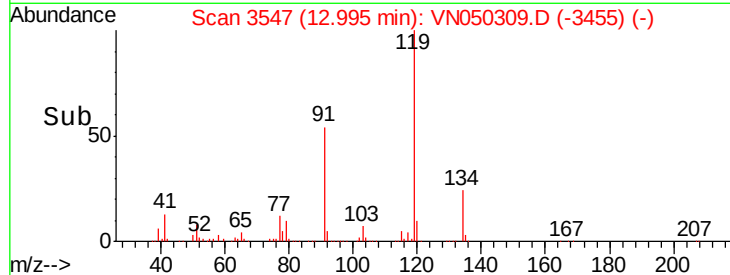
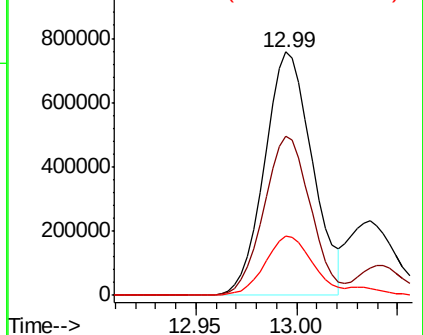
#83
 tert-Butylbenzene
 Concen: 54.51 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1245360
 Ion Ratio Lower Upper
 119 100
 91 64.0 32.1 96.3
 134 26.5 13.2 39.5

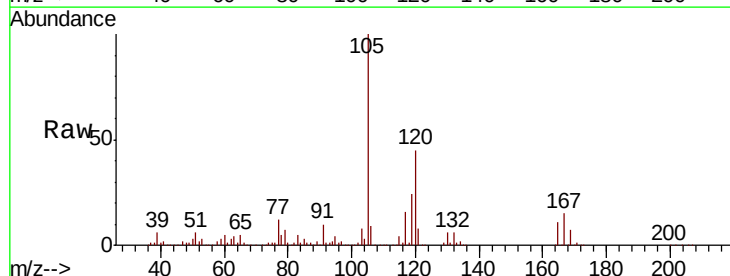


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

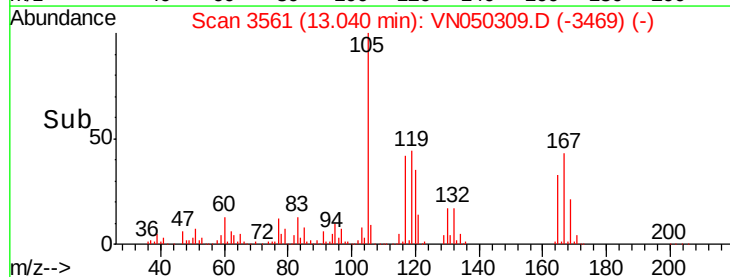
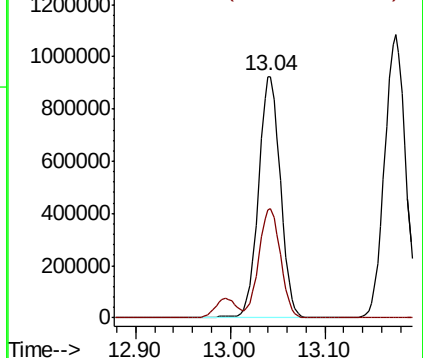


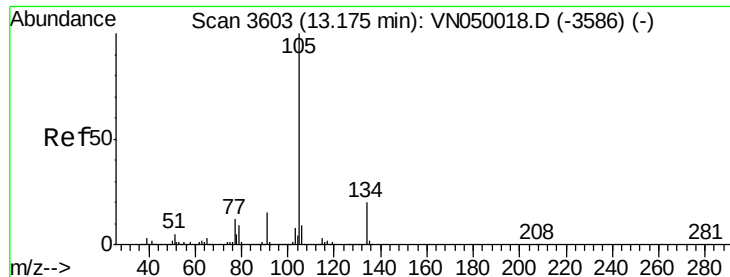
#84
 1,2,4-Trimethylbenzene
 Concen: 56.08 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion:105 Resp: 1479814
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 54.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

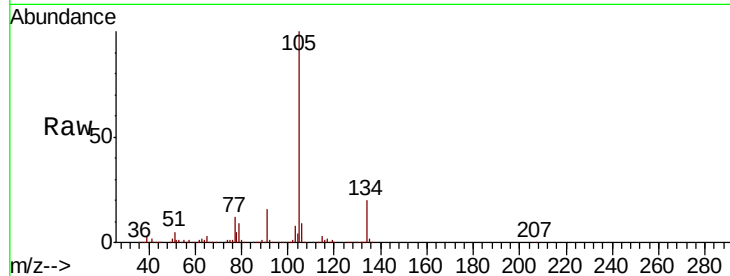
VSTDCCC050

Tot Ion:105 Resp: 1678568

Ion Ratio Lower Upper

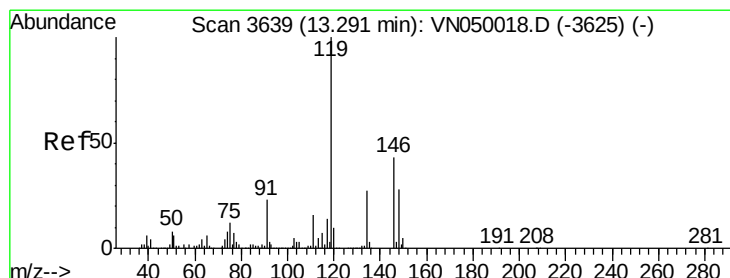
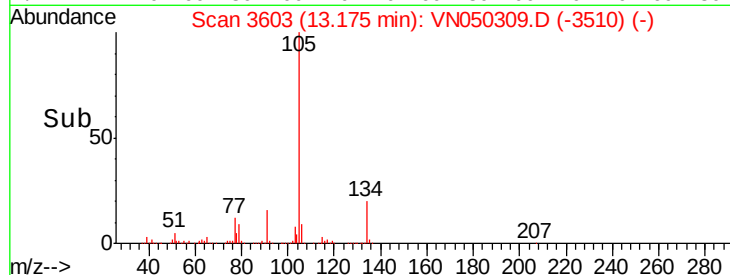
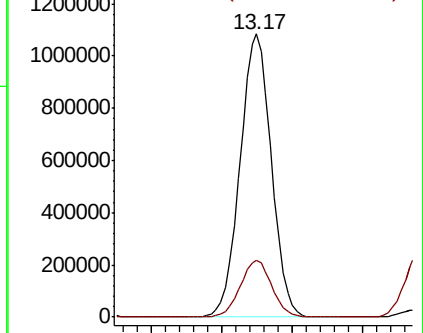
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.66 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

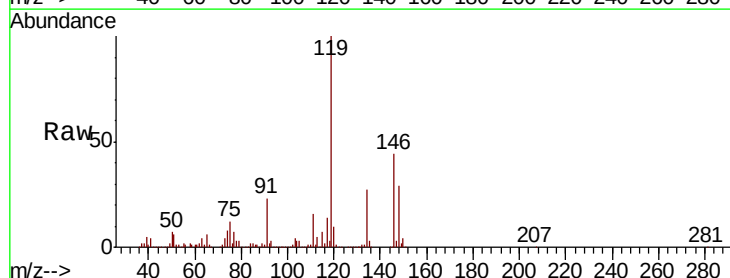
Tgt Ion:119 Resp: 1457248

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

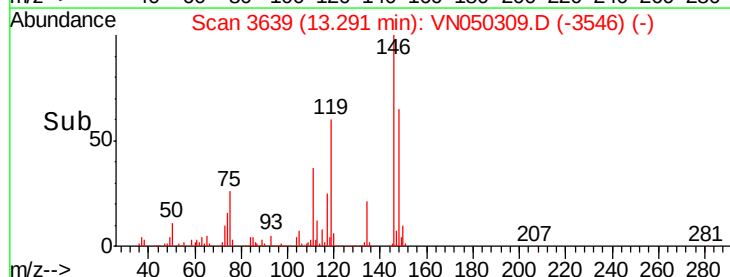
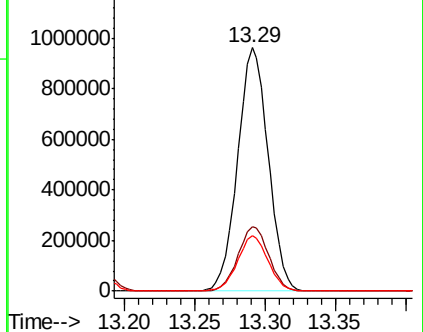
91 22.7 11.4 34.2

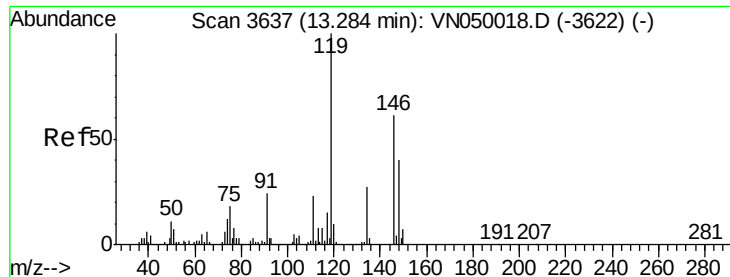


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

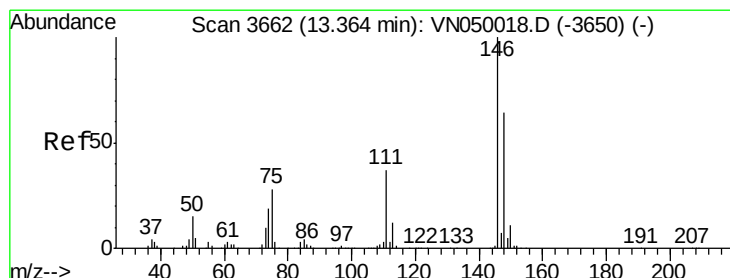
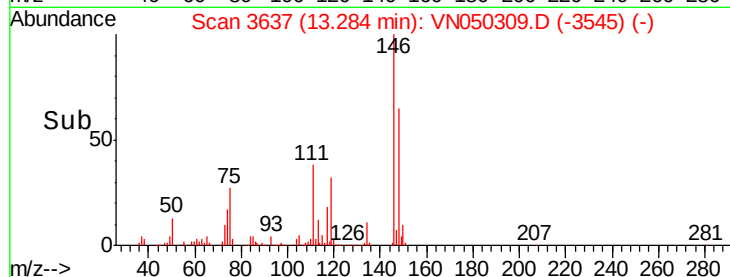
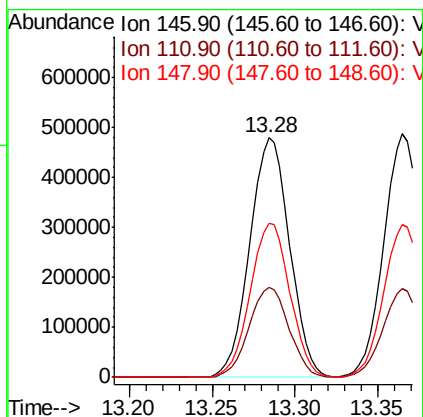
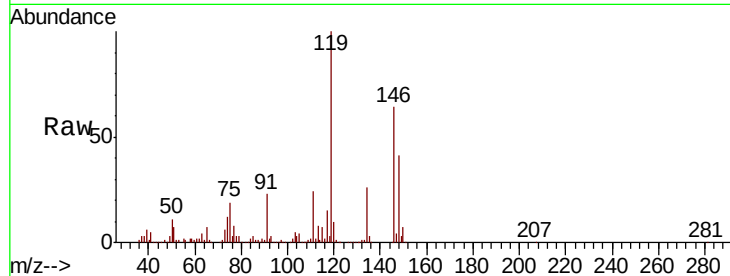




#87
 1,3-Dichlorobenzene
 Concen: 51.14 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

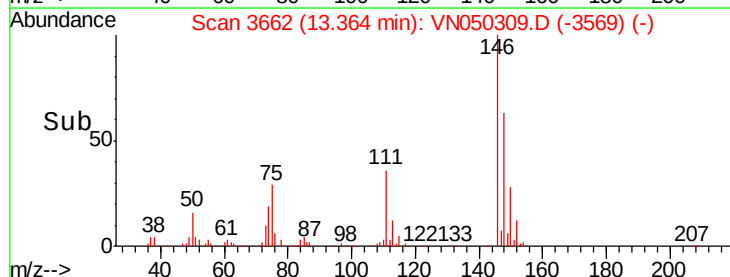
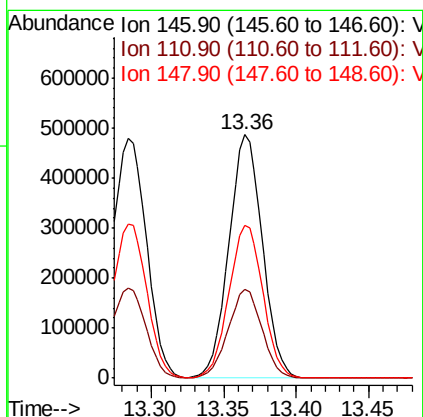
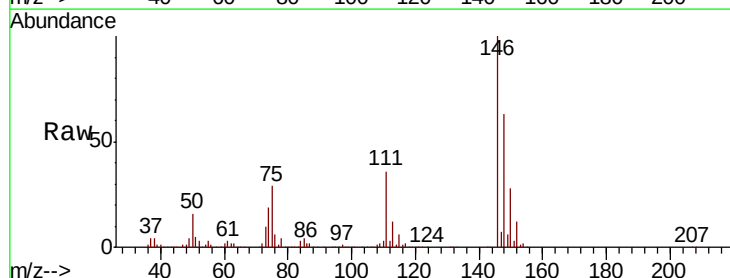
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

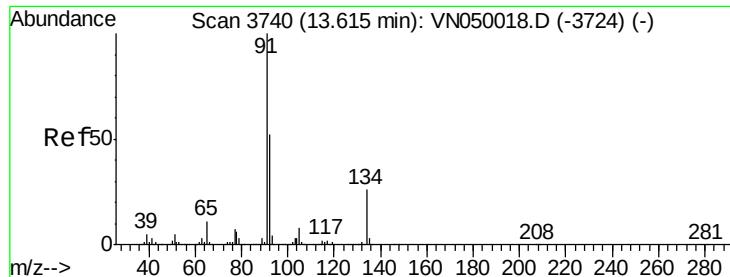
Tot Ion:146 Resp: 799650
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 64.2 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 51.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion:146 Resp: 781777
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.3 54.9
 148 63.7 31.9 95.9





#89

n-Butylbenzene

Concen: 56.32 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050309.D

Acq: 3 Aug 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

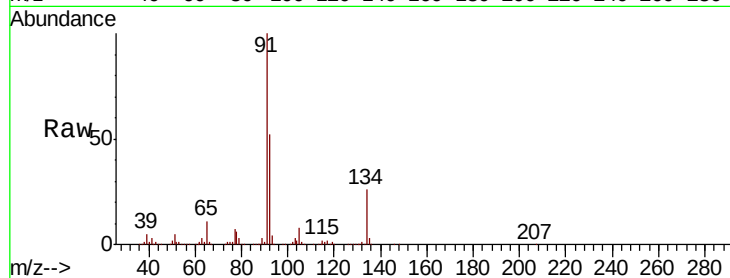
Tot Ion: 91 Resp: 1191102

Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.8	77.4
134	25.8	12.8	38.4

91 100

92 52.0 25.8 77.4

134 25.8 12.8 38.4

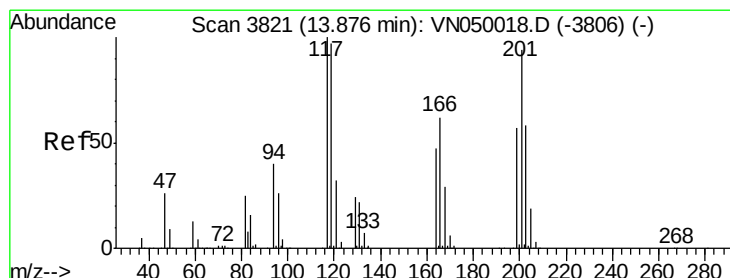
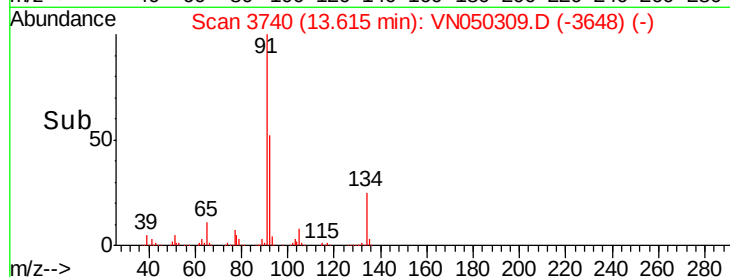
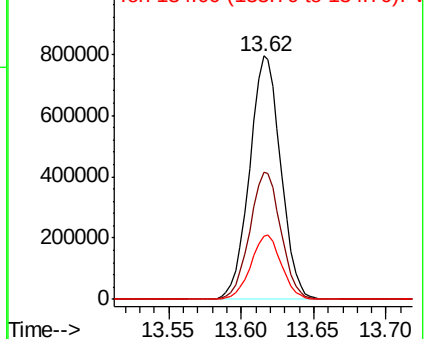


Abundance

Ion 91.00 (90.70 to 91.70): VN050309.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN050309.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN050309.D (-3648) (-)



#90

Hexachloroethane

Concen: 46.81 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050309.D

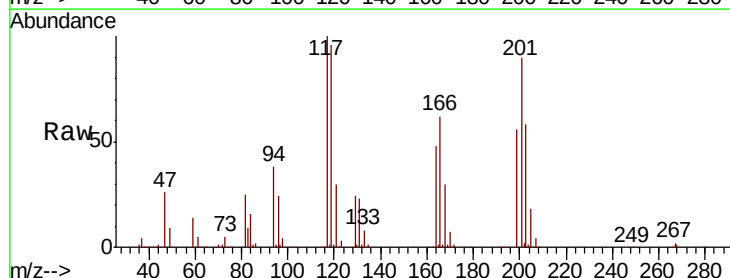
Acq: 3 Aug 2018 13:27

Tgt Ion: 117 Resp: 267348

Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.6	136.8

117 100

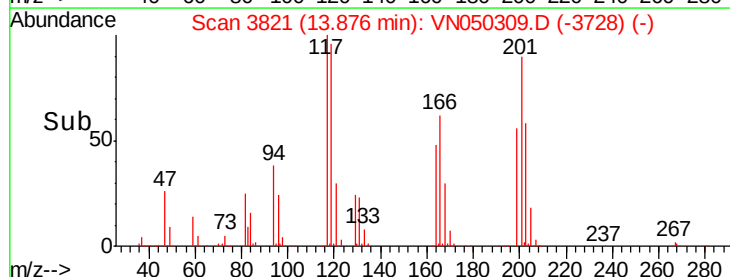
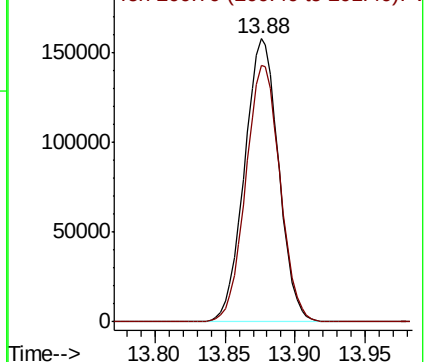
201 90.7 45.6 136.8

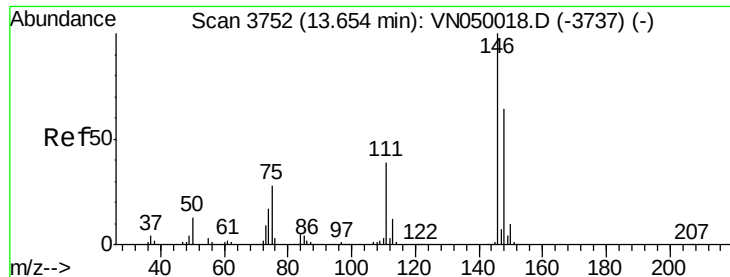


Abundance

Ion 116.80 (116.50 to 117.50): VN050309.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050309.D (-3728) (-)

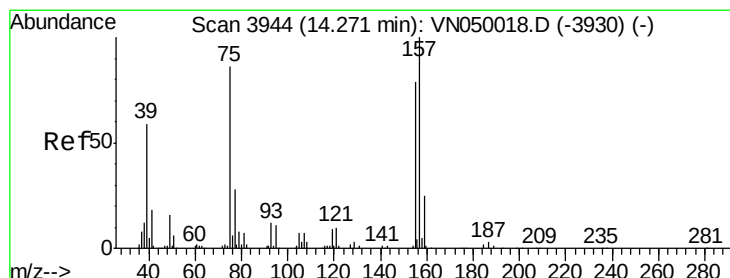
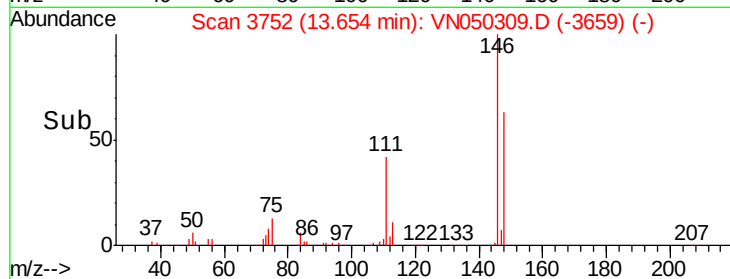
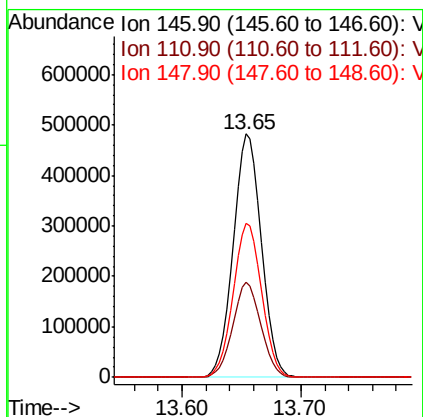
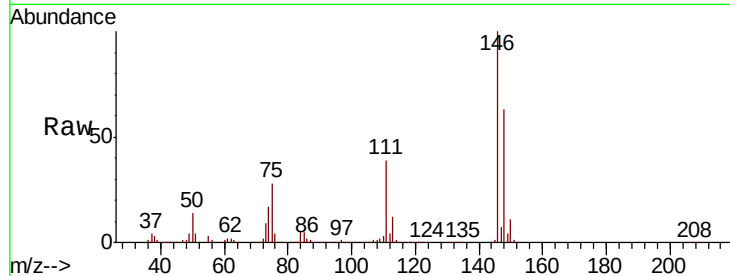




#91
 1,2-Dichlorobenzene
 Concen: 50.58 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

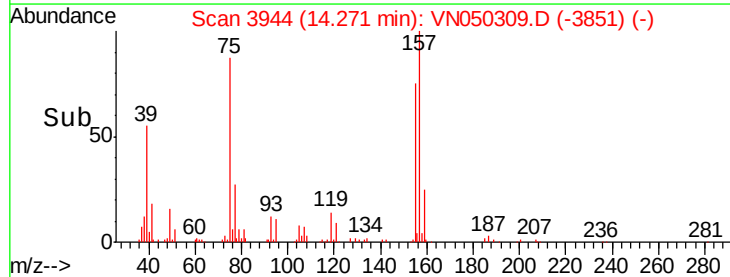
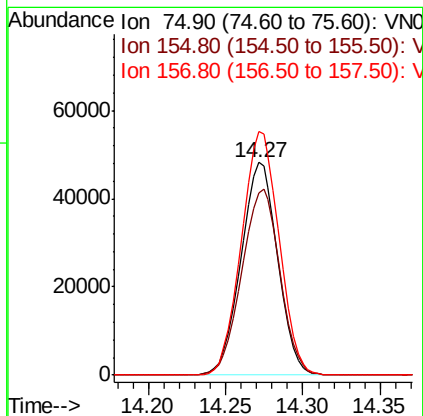
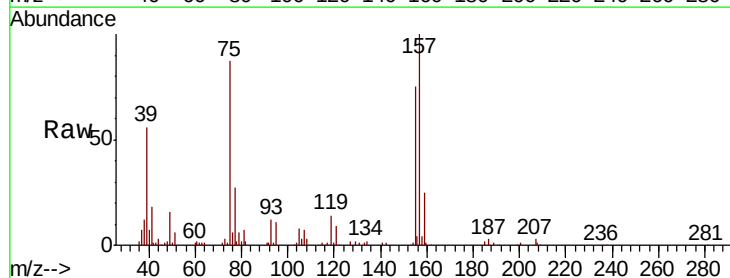
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

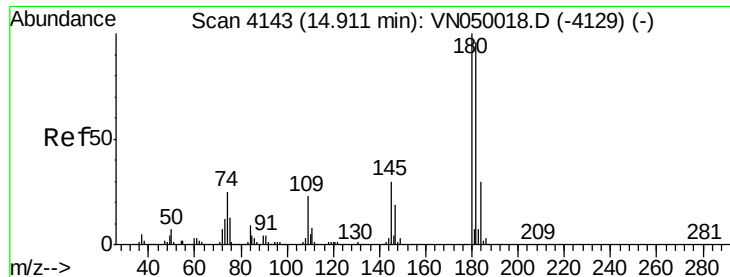
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.8	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.72 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.6	44.8	134.4
157	117.1	57.2	171.6

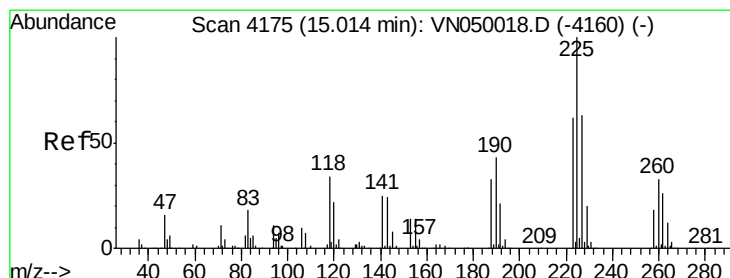
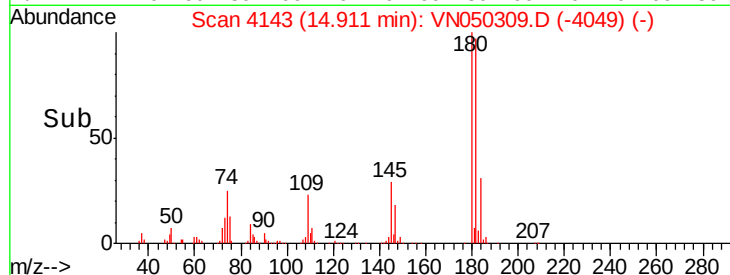
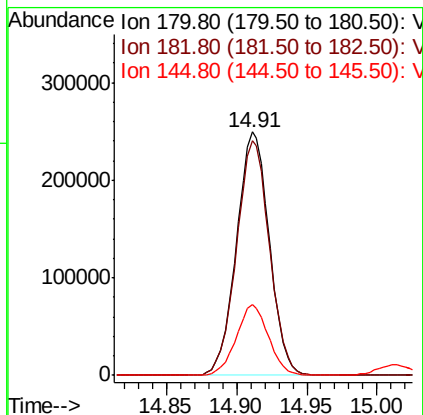
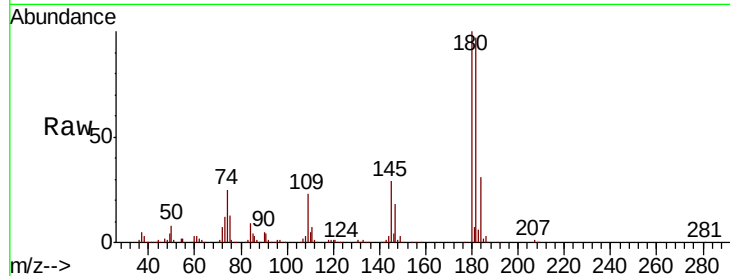




#93
 1,2,4-Trichlorobenzene
 Concen: 49.06 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

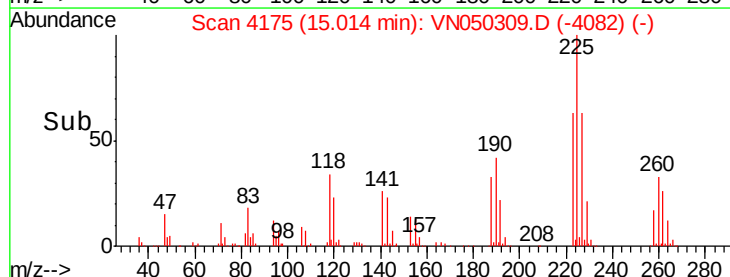
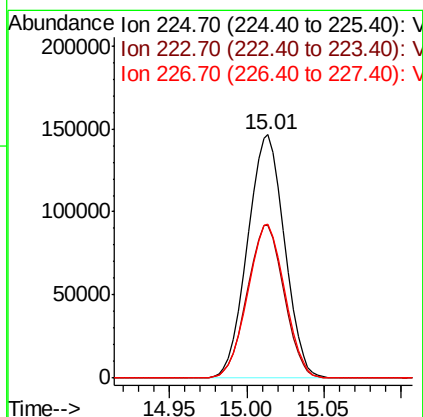
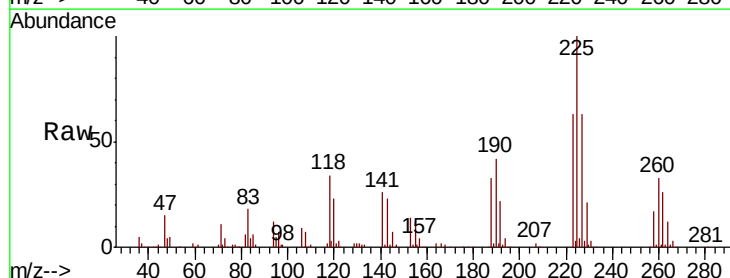
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

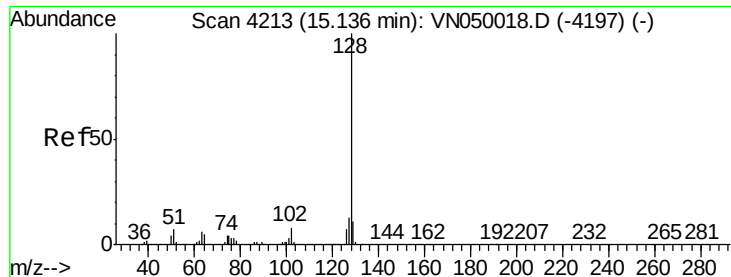
Tot Ion:180 Resp: 406142
 Ion Ratio Lower Upper
 180 100
 182 96.7 46.7 140.1
 145 28.5 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 51.05 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050309.D
 Acq: 3 Aug 2018 13:27

Tgt Ion:225 Resp: 244275
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.4 94.2
 227 63.4 32.1 96.5

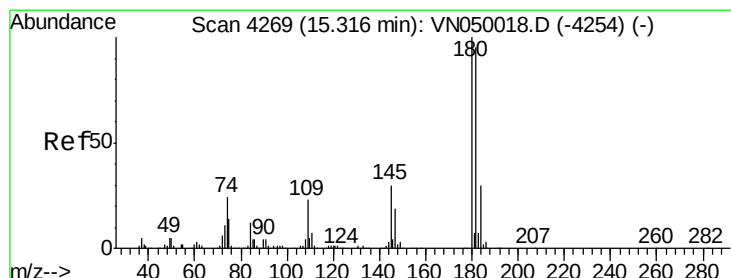
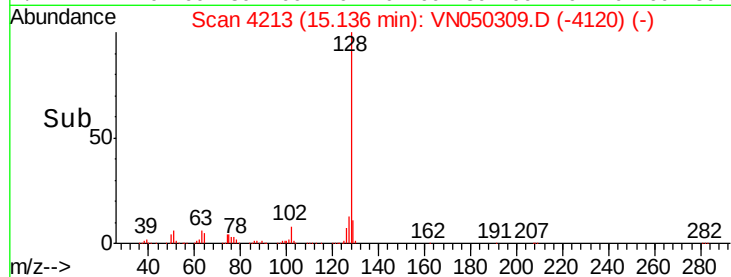
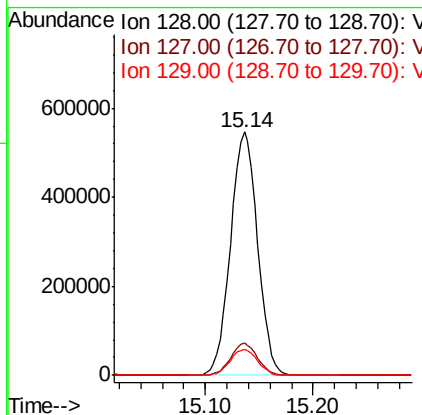
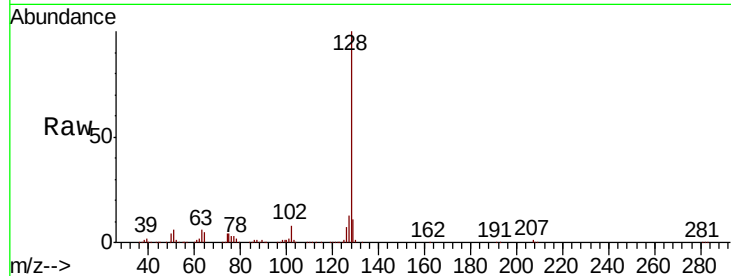




#95
Naphthalene
Concen: 48.63 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 51.48 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050309.D
Acq: 3 Aug 2018 13:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.1	144.4
145	30.7	15.3	45.9

