

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053329.D
 Acq On : 9 Jan 2019 19:19
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 10 03:07:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	899890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1383559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1283440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	603146	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	454666	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	7.59	113	395862	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.09	98	1688437	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.40	95	604566	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	394453	49.720	ug/l	100
3) Chloromethane	2.06	50	535832	48.365	ug/l	100
4) Vinyl Chloride	2.19	62	518578	49.041	ug/l	100
5) Bromomethane	2.52	94	306963	44.424	ug/l	98
6) Chloroethane	2.68	64	311348	48.781	ug/l	100
7) Trichlorofluoromethane	3.01	101	630503	46.033	ug/l	100
8) Diethyl Ether	3.41	74	266639	49.668	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	413035	47.581	ug/l	99
10) Methyl Iodide	3.95	142	644578	52.973	ug/l	99
11) Tert butyl alcohol	4.78	59	112335	199.488	ug/l	100
12) 1,1-Dichloroethene	3.73	96	400327	47.677	ug/l	99
13) Acrolein	3.60	56	154547	218.280	ug/l	100
14) Allyl chloride	4.32	41	675553	49.918	ug/l	96
15) Acrylonitrile	4.99	53	839572	249.756	ug/l	99
16) Acetone	3.81	43	524618	232.676	ug/l	100
17) Carbon Disulfide	4.05	76	1147526	44.329	ug/l	99
18) Methyl Acetate	4.32	43	435232	51.366	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1187421	50.388	ug/l	99
20) Methylene Chloride	4.55	84	482979	48.032	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	432901	48.017	ug/l	100
22) Diisopropyl ether	5.95	45	1463500	50.198	ug/l	98
23) Vinyl Acetate	5.89	43	4638328	252.849	ug/l	100
24) 1,1-Dichloroethane	5.85	63	826516	49.154	ug/l	99
25) 2-Butanone	6.83	43	911977	237.435	ug/l	100
26) 2,2-Dichloropropane	6.82	77	579735	47.166	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	504813	49.032	ug/l	99
28) Bromochloromethane	7.19	49	364533	50.874	ug/l	100
29) Tetrahydrofuran	7.21	42	615700	242.911	ug/l	99
30) Chloroform	7.37	83	801825	48.448	ug/l	98
31) Cyclohexane	7.65	56	766660	47.972	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	676602	49.060	ug/l	100
36) 1,1-Dichloropropene	7.79	75	625195	48.403	ug/l	100
37) Ethyl Acetate	6.93	43	415200	49.351	ug/l	99
38) Carbon Tetrachloride	7.77	117	580522	48.694	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	773209	51.672	ug/l	99
40) Benzene	8.04	78	1941957	49.220	ug/l	100
41) Methacrylonitrile	7.17	41	247186	47.324	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	574841	49.118	ug/l	100
43) Isopropyl Acetate	8.16	43	782770	47.295	ug/l	99
44) Trichloroethene	8.83	130	527799	48.718	ug/l	99
45) 1,2-Dichloropropane	9.12	63	515911	49.856	ug/l	98
46) Dibromomethane	9.21	93	300202	49.755	ug/l	99
47) Bromodichloromethane	9.40	83	620940	49.384	ug/l	100
48) Methyl methacrylate	9.20	41	385771	51.304	ug/l	99
49) 1,4-Dioxane	9.20	88	57938	723.206	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2137771	256.846	ug/l	100
52) Toluene	10.16	92	1219409	50.378	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	655409	50.954	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	743327	50.010	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	442258	49.691	ug/l	99
56) Ethyl methacrylate	10.43	69	618914	53.512	ug/l	99
57) 1,3-Dichloropropane	10.71	76	760808	51.117	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1597979	255.561	ug/l	100
59) 2-Hexanone	10.75	43	1443638	253.149	ug/l	99
60) Dibromochloromethane	10.90	129	488089	50.845	ug/l	99
61) 1,2-Dibromoethane	11.01	107	448334	51.046	ug/l	98
64) Tetrachloroethene	10.63	164	609278	50.438	ug/l	100
65) Chlorobenzene	11.43	112	1368511	49.084	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	478758	49.059	ug/l	100
67) Ethyl Benzene	11.51	91	2360596	49.827	ug/l	100
68) m/p-Xylenes	11.62	106	1808169	101.499	ug/l	100
69) o-Xylene	11.95	106	883806	50.675	ug/l	100
70) Styrene	11.96	104	1471155	51.829	ug/l	100
71) Bromoform	12.13	173	345868	50.177	ug/l #	99
73) Isopropylbenzene	12.25	105	2352626	52.390	ug/l	100
74) N-amyl acetate	12.07	43	691801	51.591	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	506678	49.050	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	698117	79.357	ug/l #	100
77) Bromobenzene	12.53	156	611953	51.059	ug/l	100
78) n-propylbenzene	12.59	91	2692918	53.015	ug/l	99
79) 2-Chlorotoluene	12.67	91	1570527	51.098	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1920281	53.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	156601	52.374	ug/l	98
82) 4-Chlorotoluene	12.77	91	1599013	50.736	ug/l	100
83) tert-Butylbenzene	12.99	119	1694940	53.407	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1944584	52.770	ug/l	100
85) sec-Butylbenzene	13.17	105	2294209	54.815	ug/l	100
86) p-Isopropyltoluene	13.29	119	2004528	55.317	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1044738	49.500	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1015172	48.488	ug/l	100
89) n-Butylbenzene	13.62	91	1676831	55.193	ug/l	100
90) Hexachloroethane	13.88	117	303753	52.298	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	955376	48.325	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67786	54.102	ug/l	99

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QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

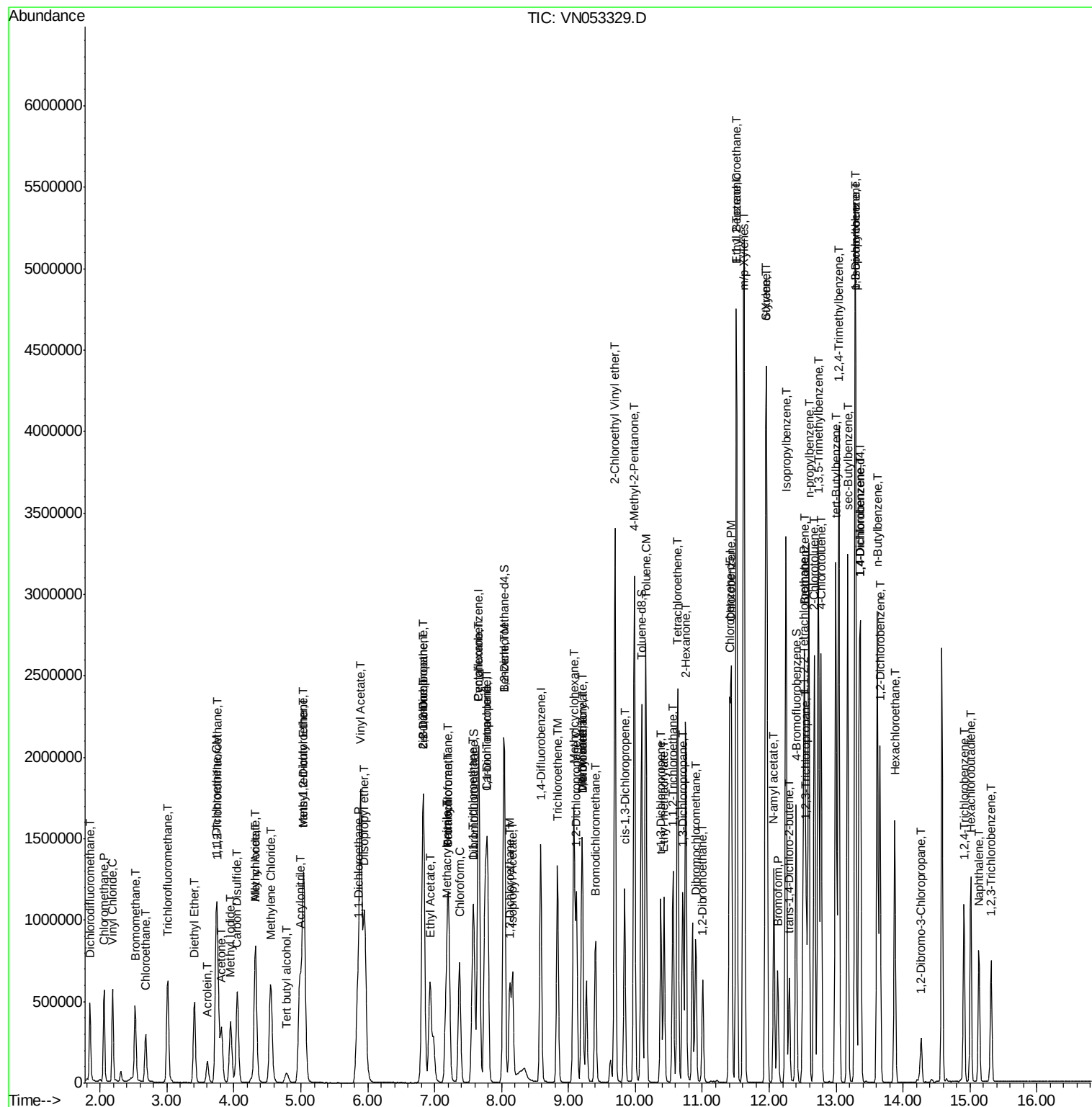
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	386382	62.157	ug/l	100
94) Hexachlorobutadiene	15.01	225	277899	54.657	ug/l	99
95) Naphthalene	15.13	128	713873	67.318	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	279979	68.794	ug/l	98

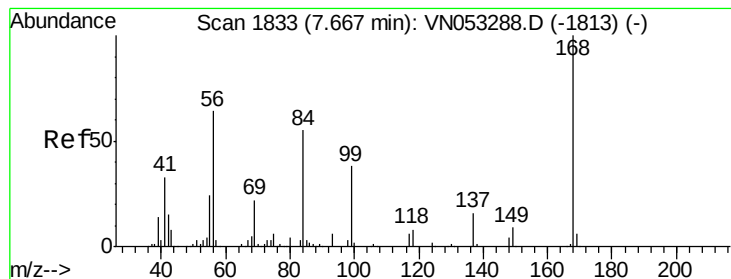
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN010919\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

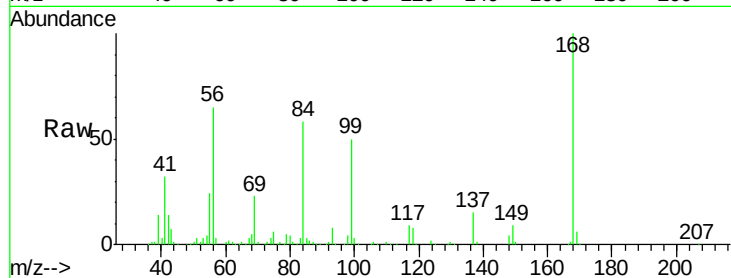
VSTDCCC050EC

Tot Ion:168 Resp: 899890

Ion Ratio Lower Upper

168 100

99 49.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

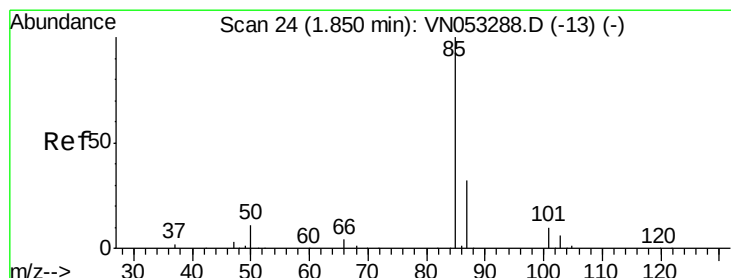
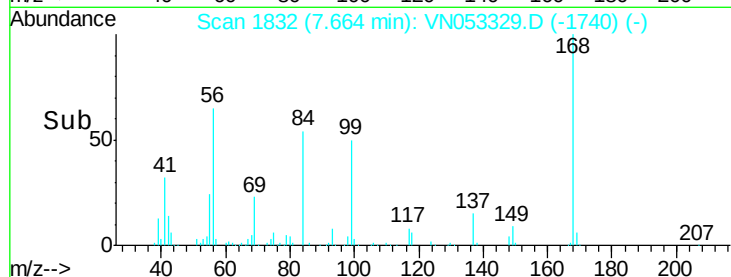
200000

100000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 49.720 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053329.D

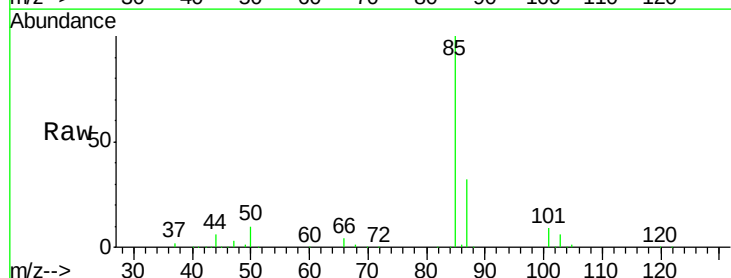
Acq: 9 Jan 2019 19:19

Tgt Ion: 85 Resp: 394453

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

150000

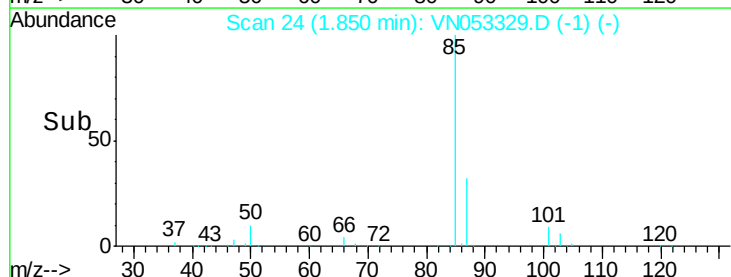
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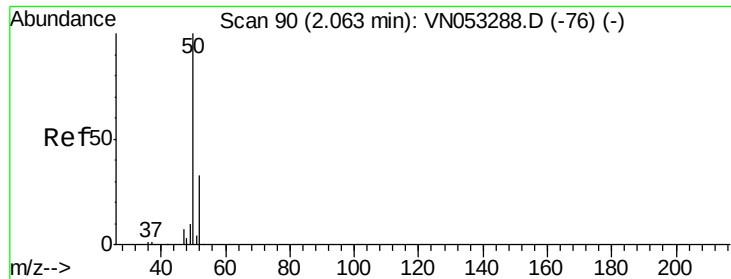
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 48.365 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

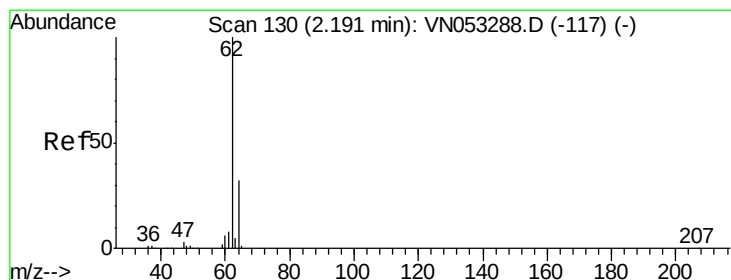
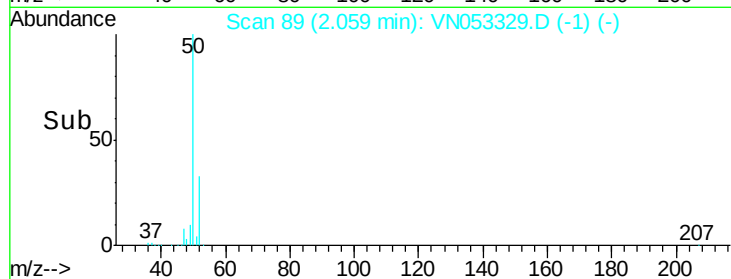
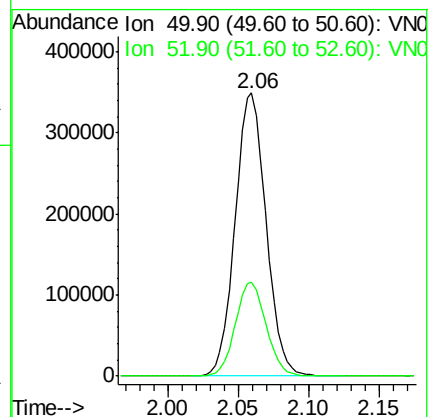
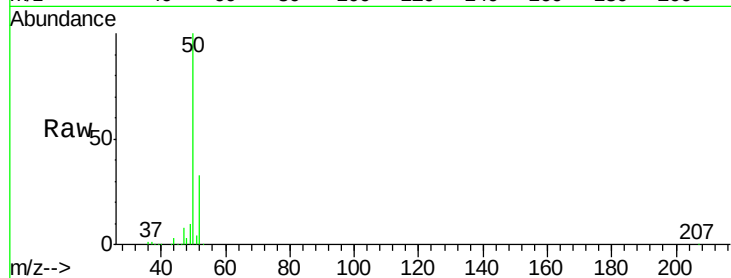
VSTDCCC050EC

Tot Ion: 50 Resp: 535832

Ion Ratio Lower Upper

50 100

52 33.4 26.6 40.0



#4

Vinyl Chloride

Concen: 49.041 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053329.D

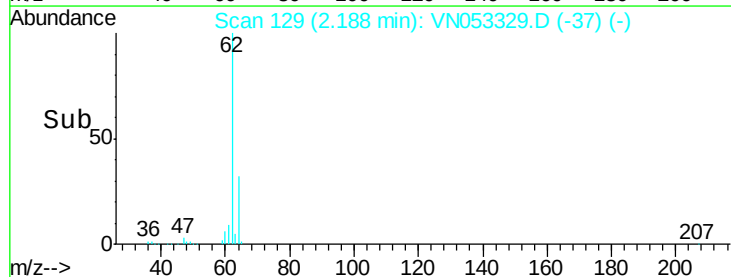
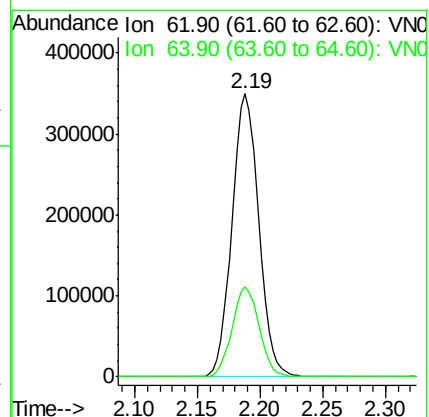
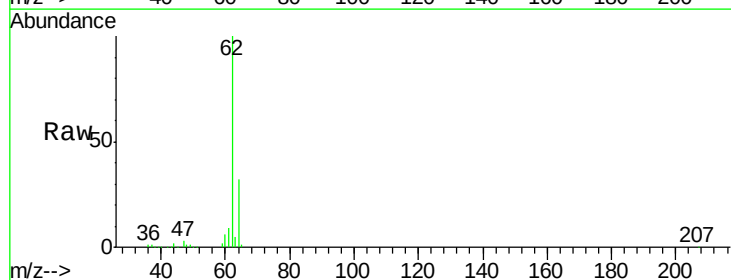
Acq: 9 Jan 2019 19:19

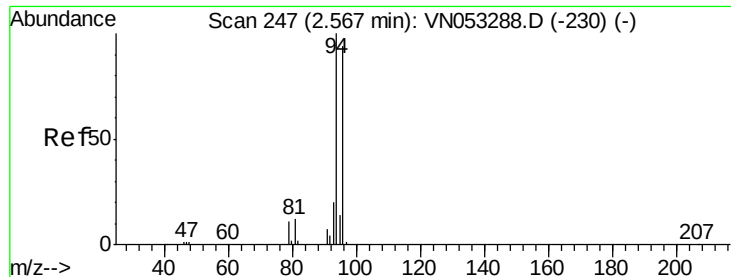
Tgt Ion: 62 Resp: 518578

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 44.424 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.04 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

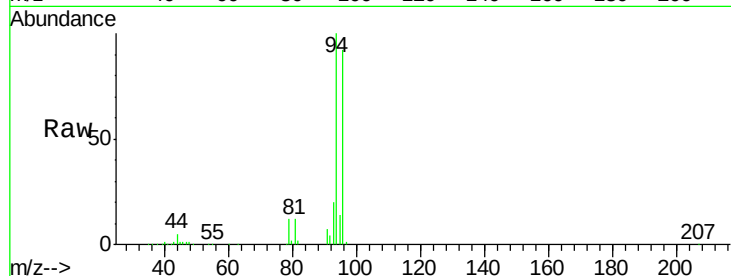
VSTDCCC050EC

Tot Ion: 94 Resp: 306963

Ion Ratio Lower Upper

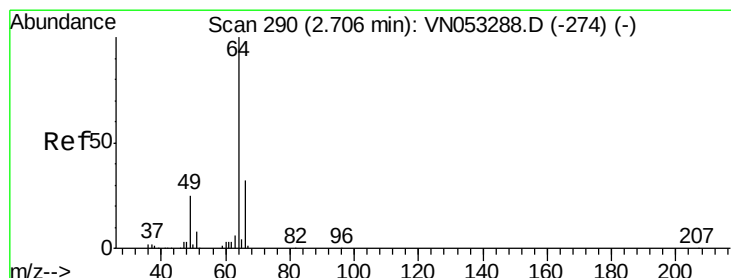
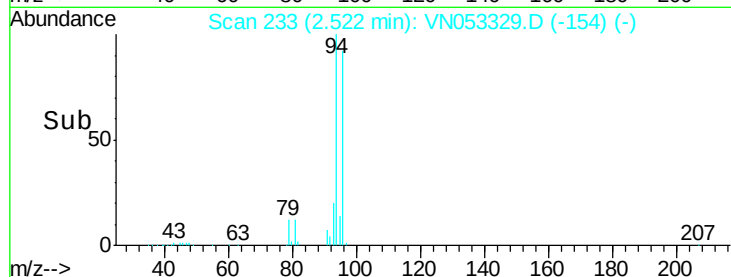
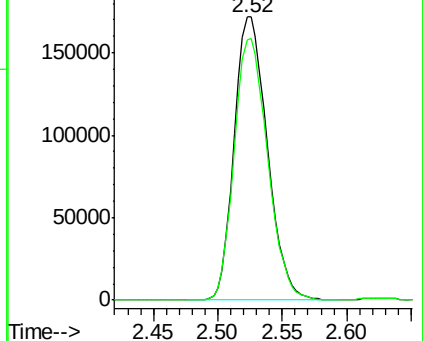
94 100

96 92.1 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN053329.D (-154) (-)

Ion 95.90 (95.60 to 96.60): VN053329.D (-154) (-)



#6

Chloroethane

Concen: 48.781 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.03 min

Lab File: VN053329.D

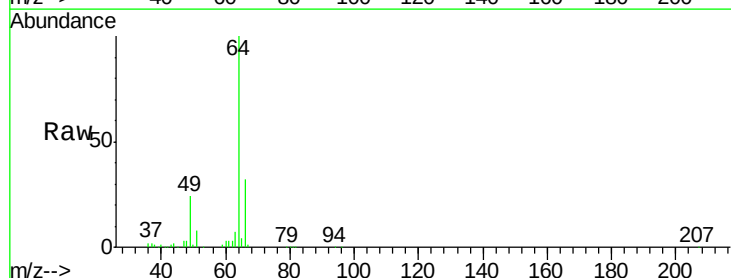
Acq: 9 Jan 2019 19:19

Tgt Ion: 64 Resp: 311348

Ion Ratio Lower Upper

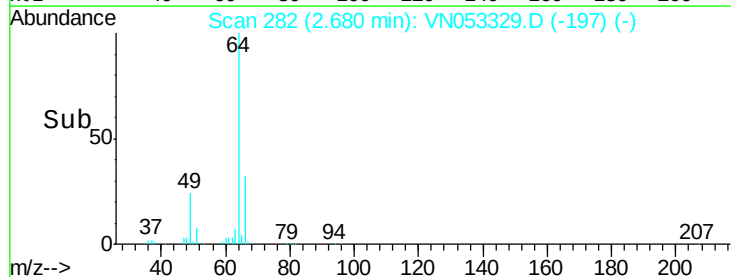
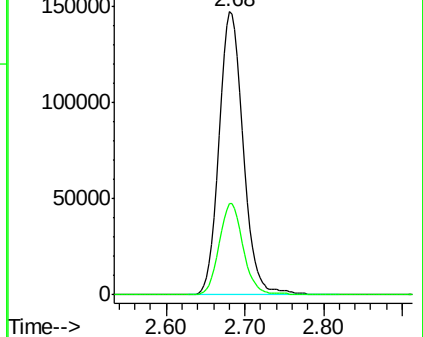
64 100

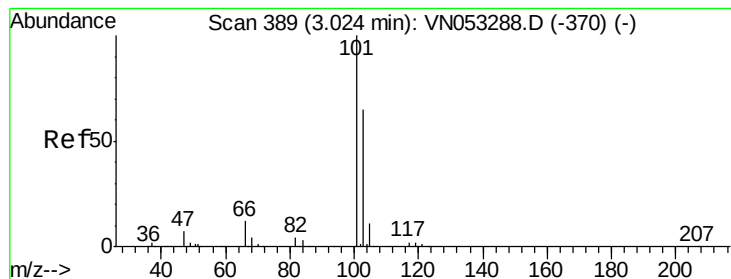
66 32.2 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN053329.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN053329.D (-197) (-)



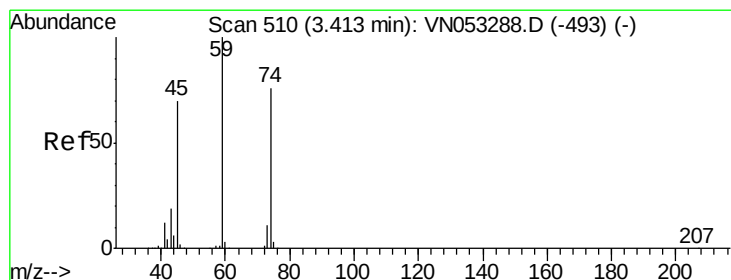
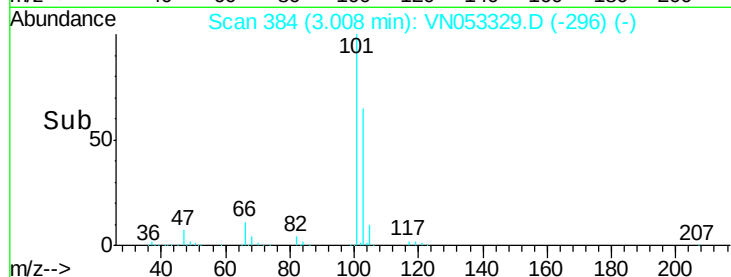
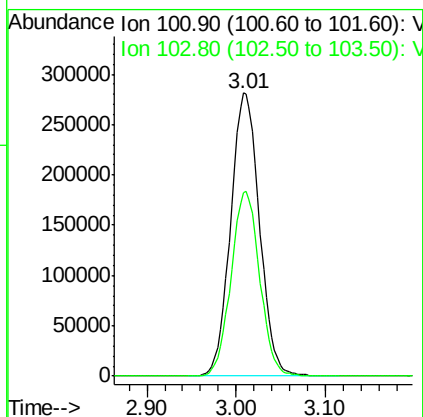
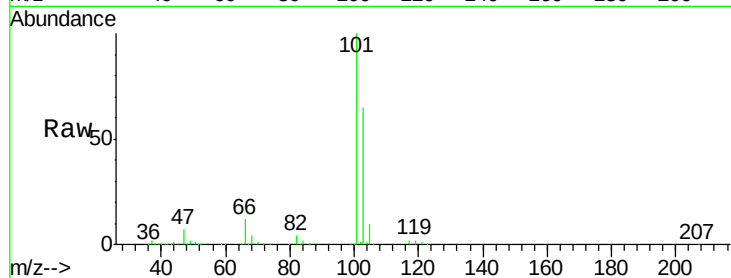


#7

Trichlorofluoromethane
 Concen: 46.033 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.02 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

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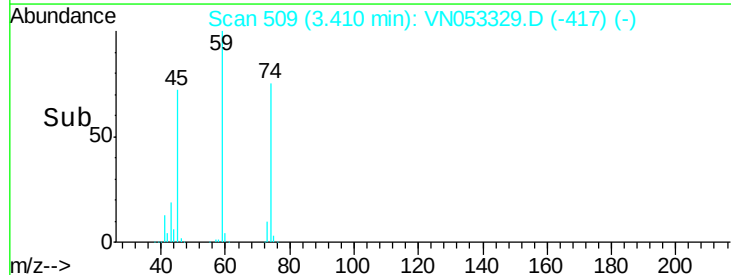
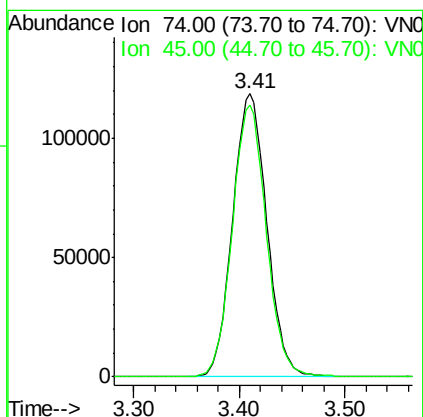
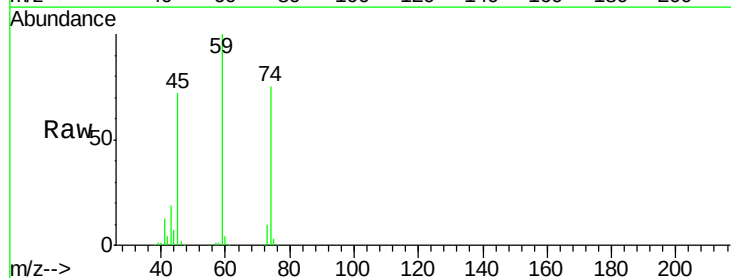
Tot Ion:101 Resp: 630503
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.1 78.1

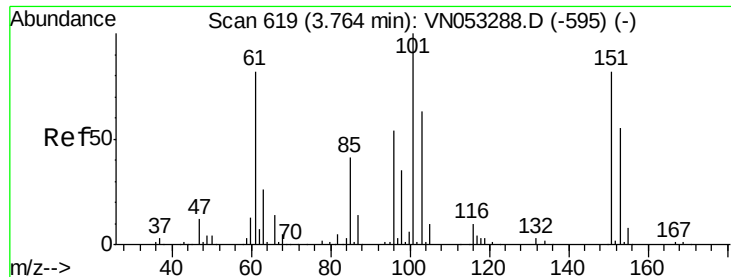


#8

Diethyl Ether
 Concen: 49.668 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 74 Resp: 266639
 Ion Ratio Lower Upper
 74 100
 45 95.7 48.3 144.9

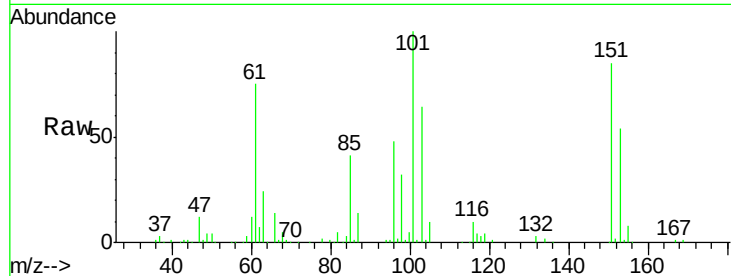




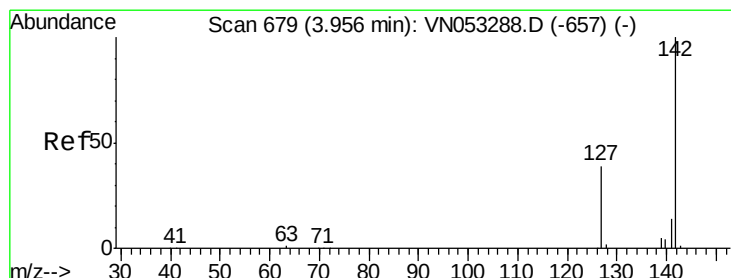
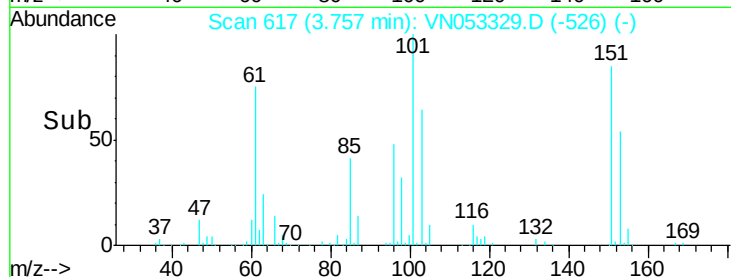
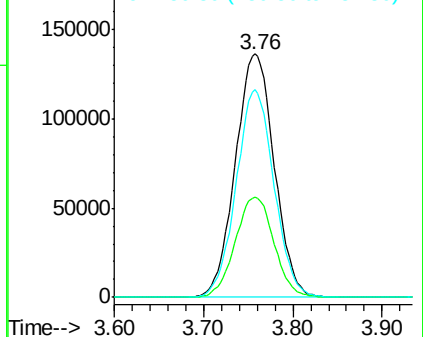
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.581 ug/l
RT: 3.76 min Scan# 617
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 413035
Ion Ratio Lower Upper
101 100
85 41.0 33.3 49.9
151 83.3 67.0 100.4

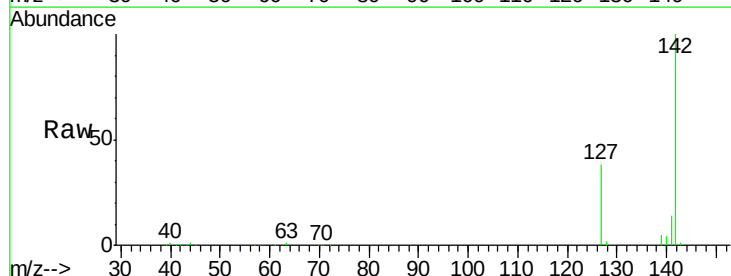


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

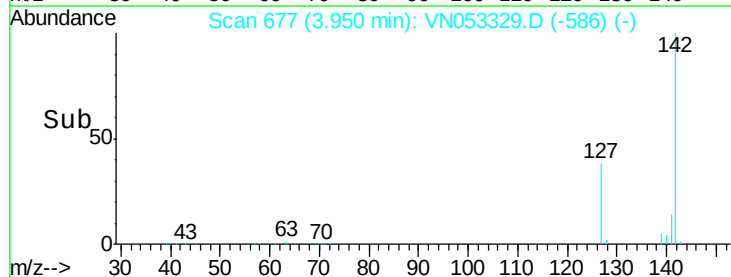
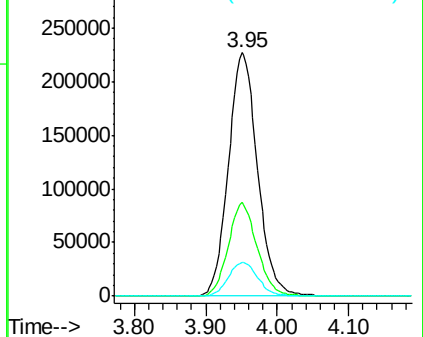


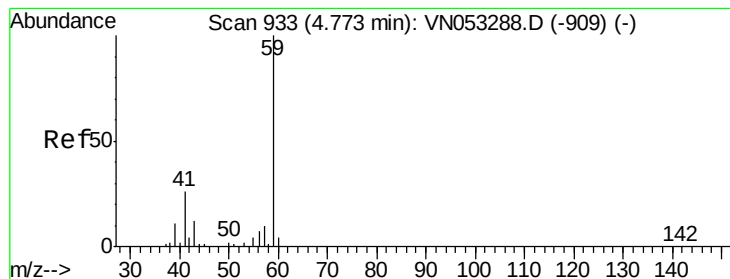
#10
Methyl Iodide
Concen: 52.973 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:142 Resp: 644578
Ion Ratio Lower Upper
142 100
127 38.0 30.9 46.3
141 14.1 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



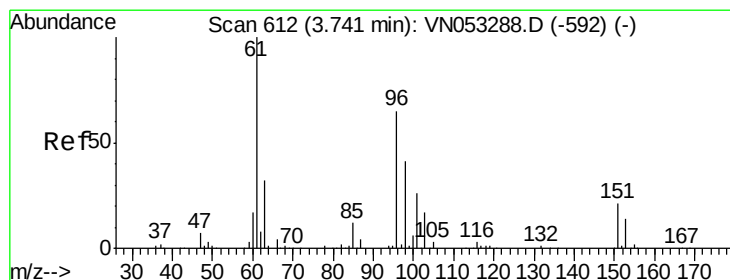
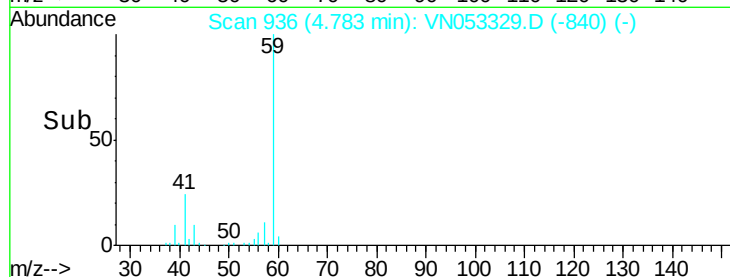
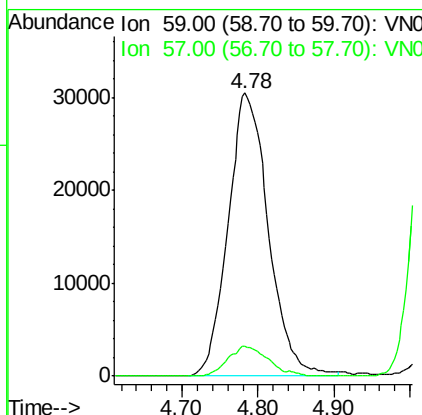
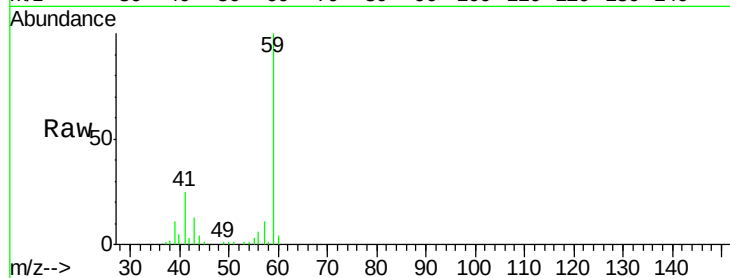


#11

Tert butyl alcohol
 Concen: 199.488 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

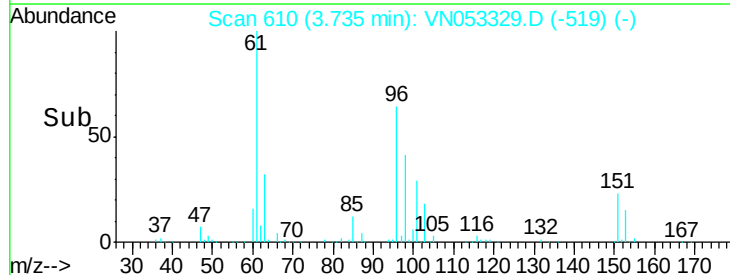
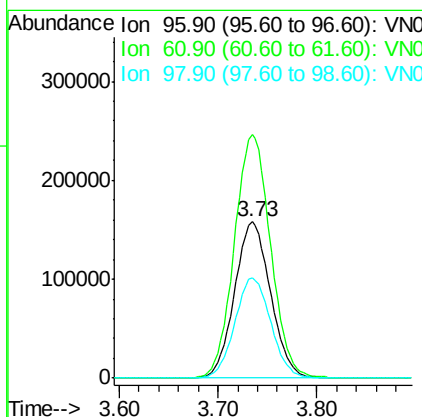
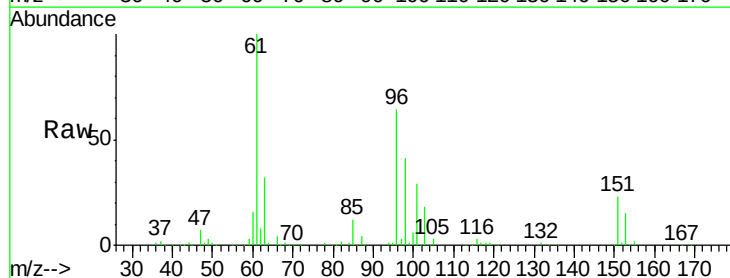
Tot Ion: 59 Resp: 112335
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.0 12.0

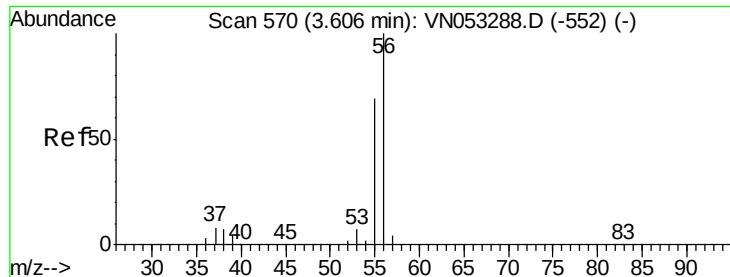


#12

1,1-Dichloroethene
 Concen: 47.677 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 96 Resp: 400327
 Ion Ratio Lower Upper
 96 100
 61 155.6 123.2 184.8
 98 63.8 50.5 75.7

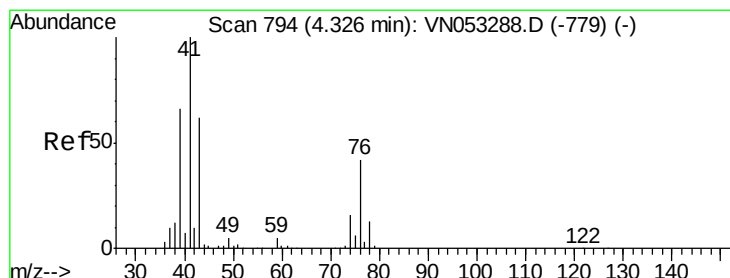
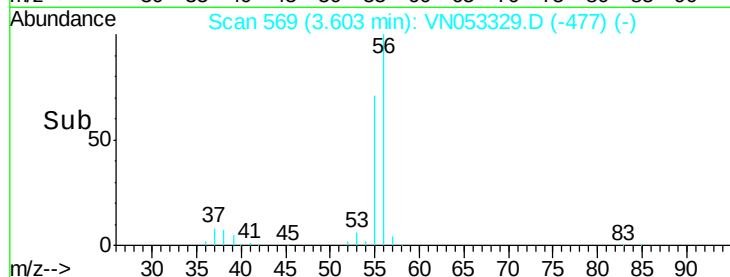
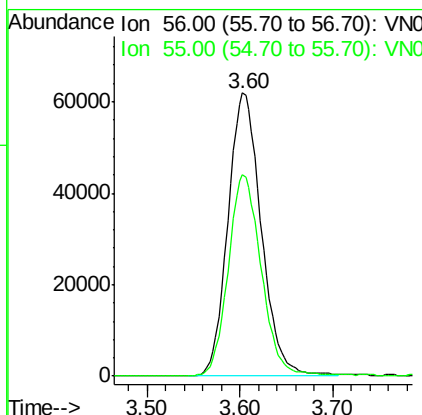
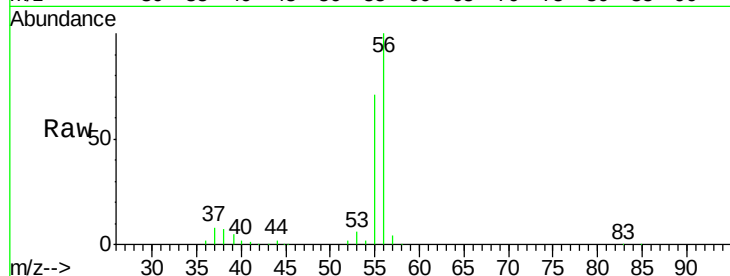




#13
Acrolein
Concen: 218.280 ug/l
RT: 3.60 min Scan# 569
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

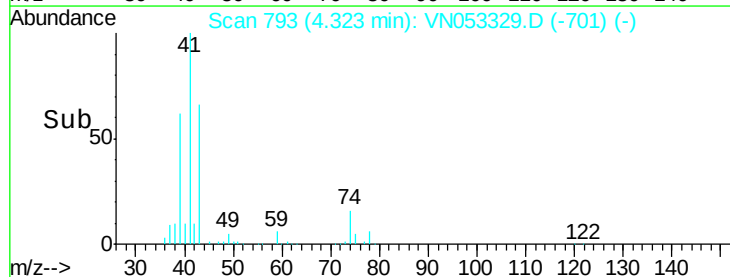
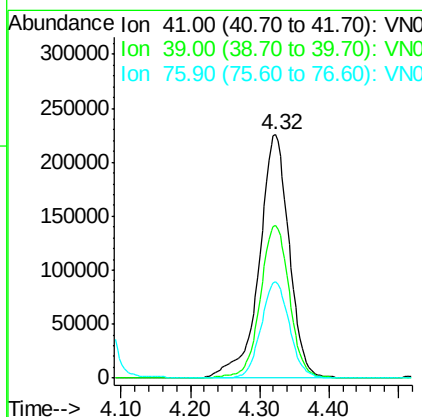
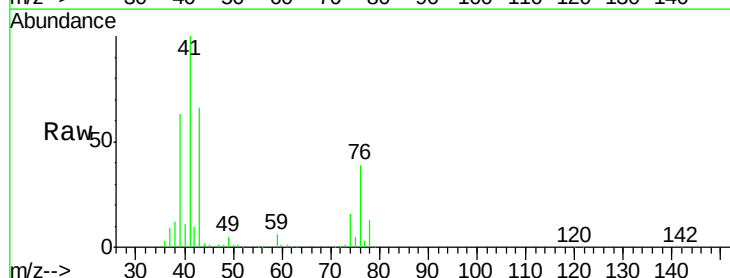
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

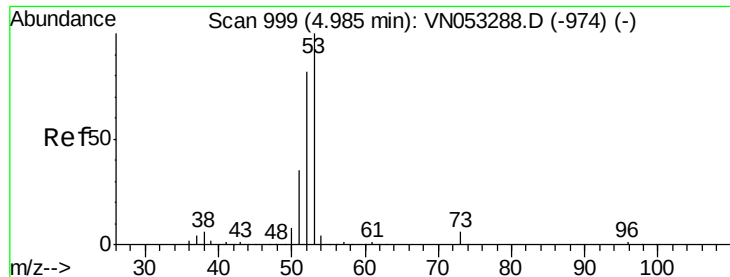
Tot Ion: 56 Resp: 154547
Ion Ratio Lower Upper
56 100
55 70.2 56.3 84.5



#14
Allyl chloride
Concen: 49.918 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 41 Resp: 675553
Ion Ratio Lower Upper
41 100
39 61.4 51.9 77.9
76 36.9 31.2 46.8





#15

Acrylonitrile

Concen: 249.756 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

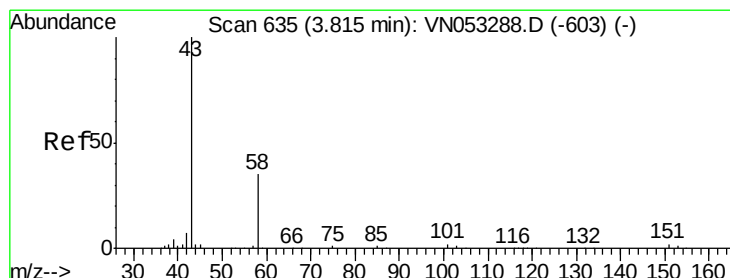
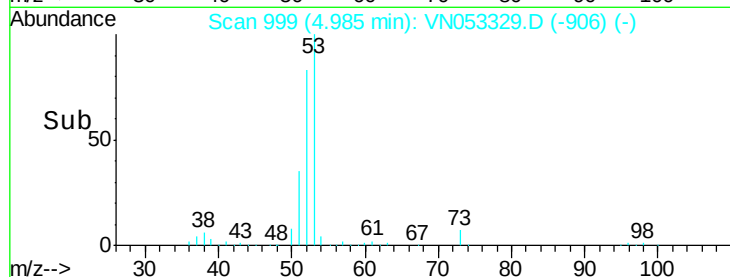
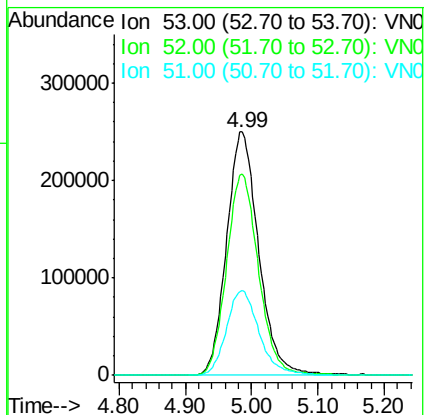
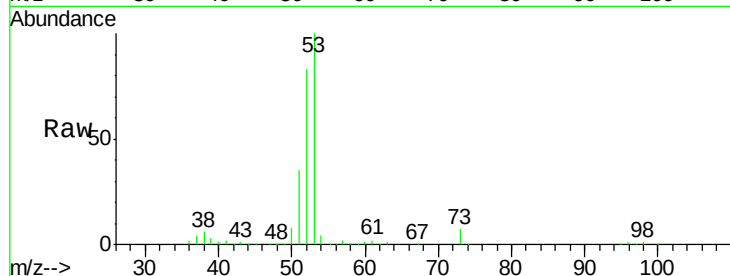
Tot Ion: 53 Resp: 839572

Ion Ratio Lower Upper

53 100

52 82.3 65.2 97.8

51 35.7 28.0 42.0



#16

Acetone

Concen: 232.676 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053329.D

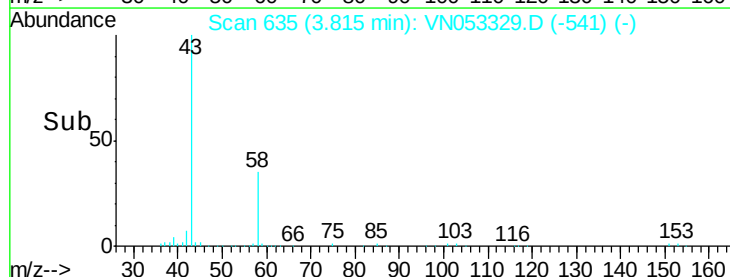
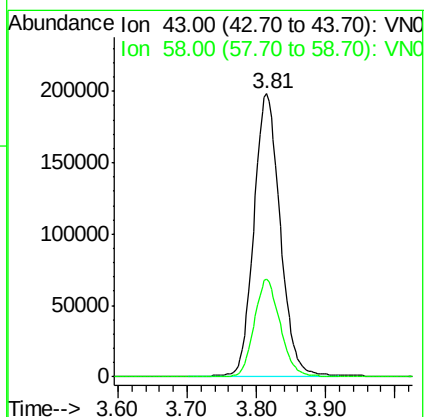
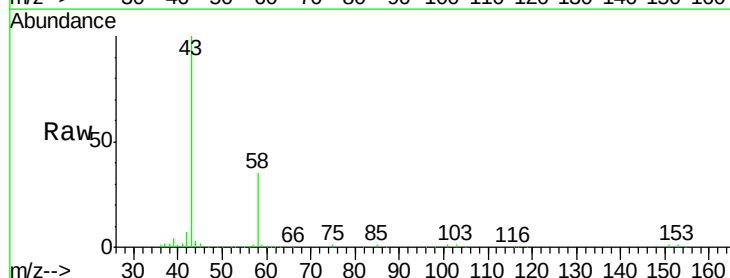
Acq: 9 Jan 2019 19:19

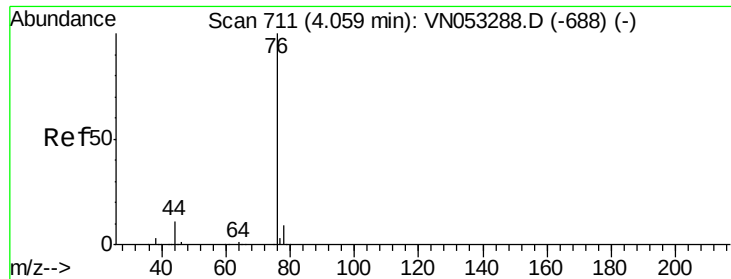
Tgt Ion: 43 Resp: 524618

Ion Ratio Lower Upper

43 100

58 34.7 27.8 41.6

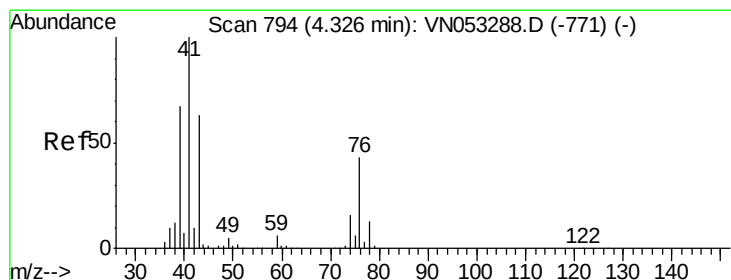
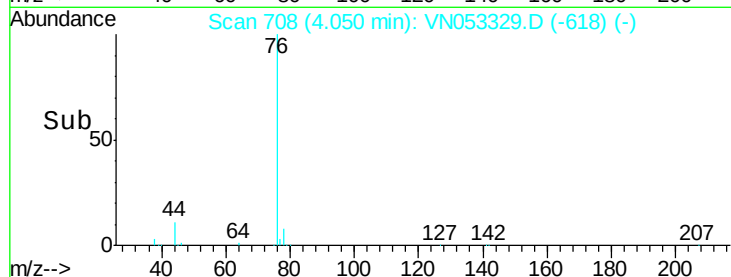
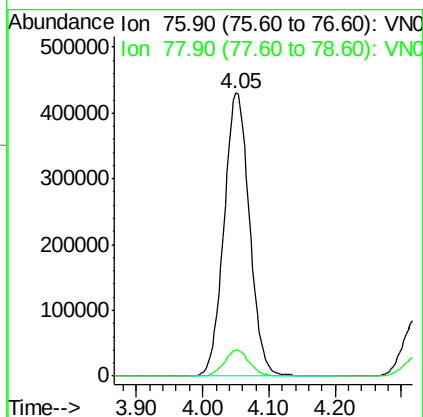
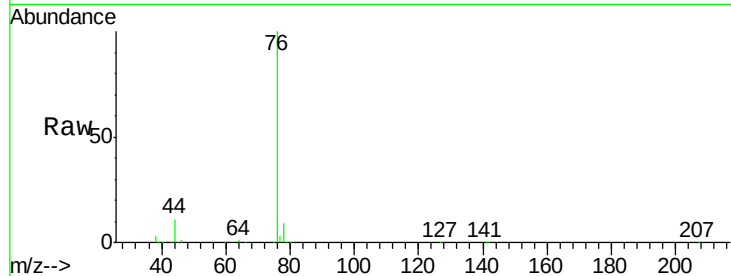




#17
Carbon Disulfide
Concen: 44.329 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

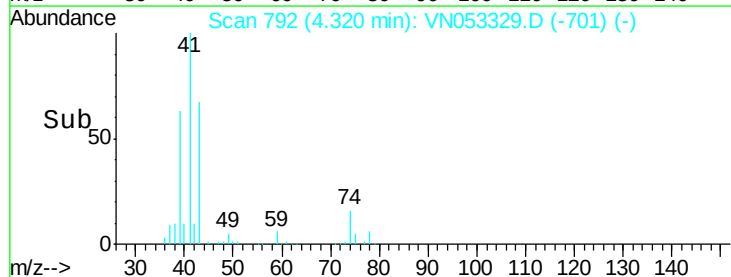
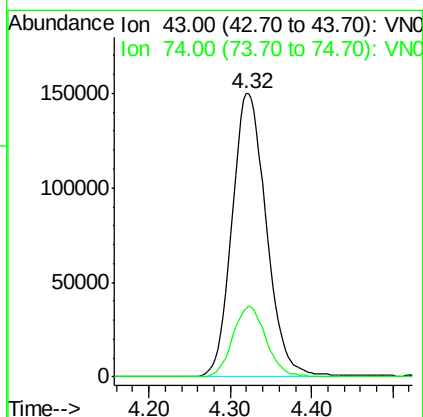
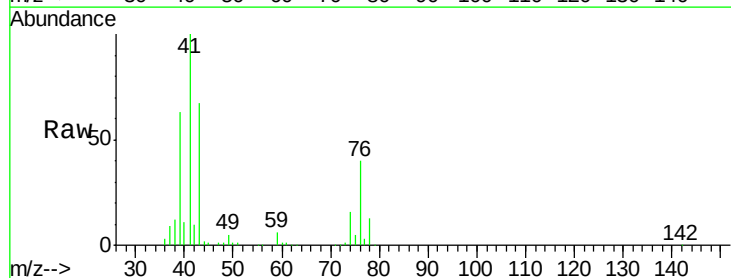
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

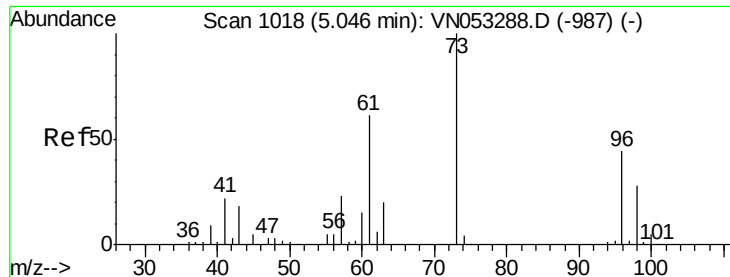
Tot Ion: 76 Resp: 1147526
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8



#18
Methyl Acetate
Concen: 51.366 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 43 Resp: 435232
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8

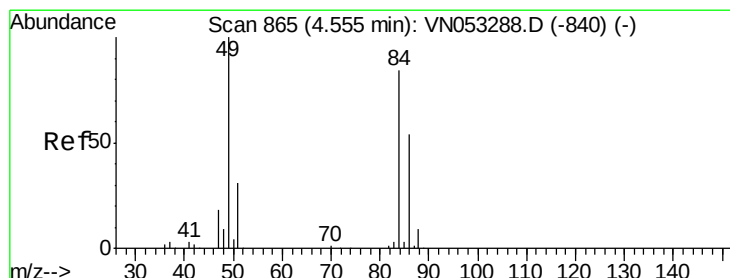
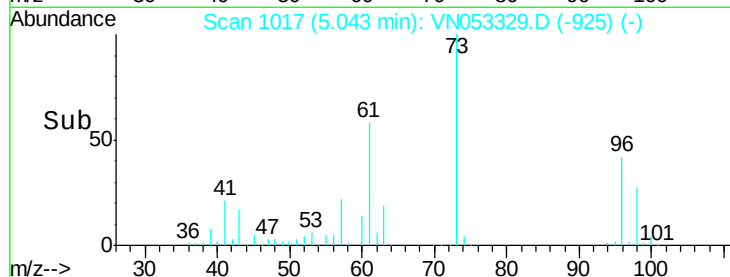
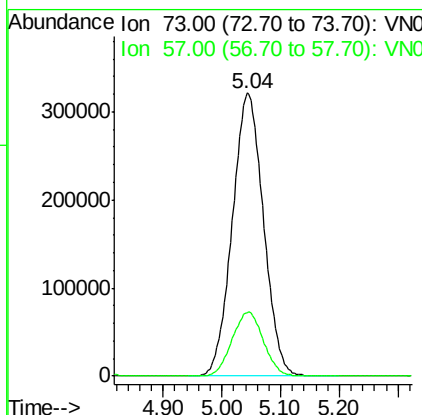
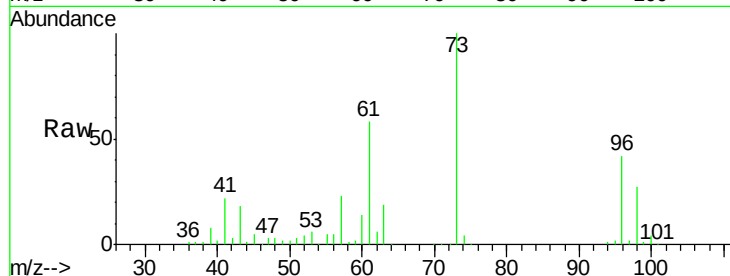




#19
Methyl tert-butyl Ether
Concen: 50.388 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

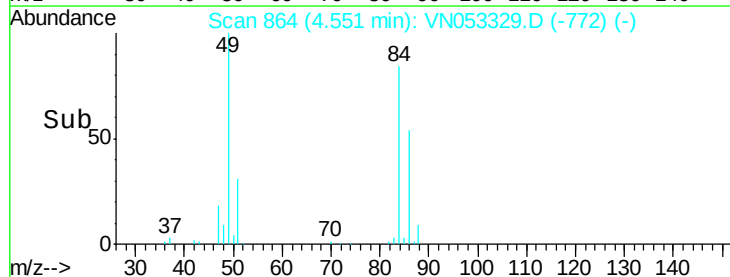
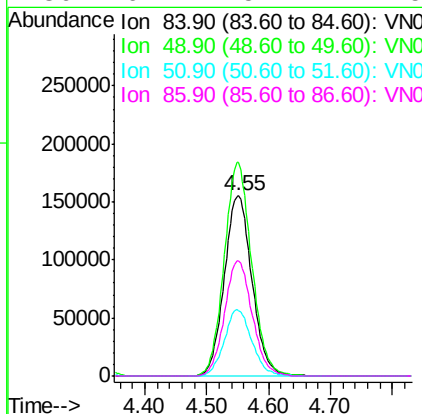
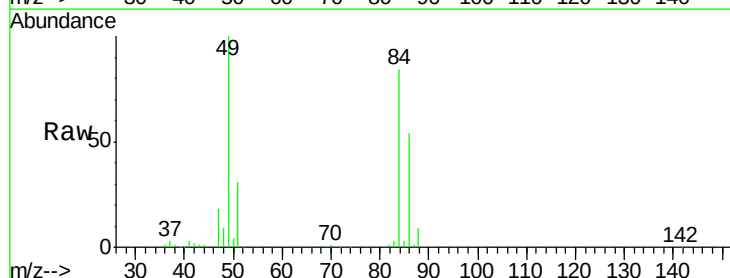
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

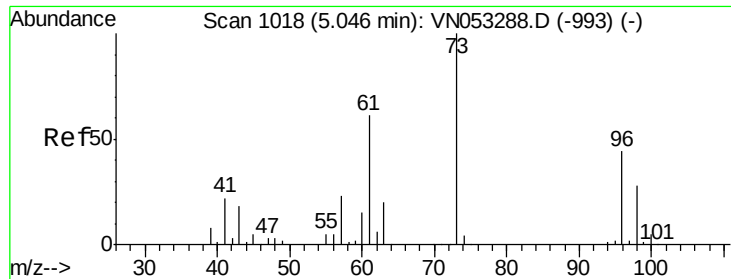
Tot Ion: 73 Resp: 1187421
Ion Ratio Lower Upper
73 100
57 22.5 18.5 27.7



#20
Methylene Chloride
Concen: 48.032 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 84 Resp: 482979
Ion Ratio Lower Upper
84 100
49 118.6 95.3 142.9
51 36.5 29.0 43.6
86 64.2 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 48.017 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

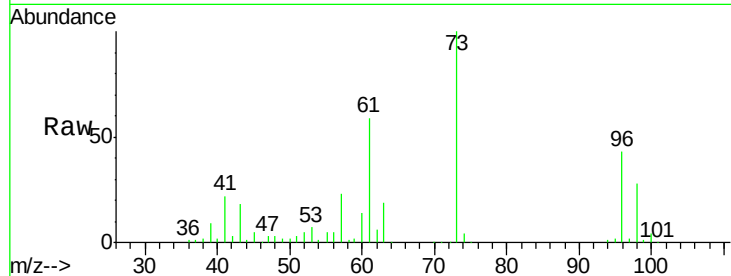
Tot Ion: 96 Resp: 432901

Ion Ratio Lower Upper

96 100

61 137.9 110.2 165.4

98 64.3 50.7 76.1

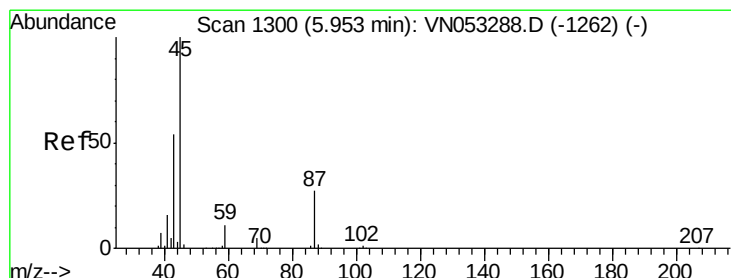
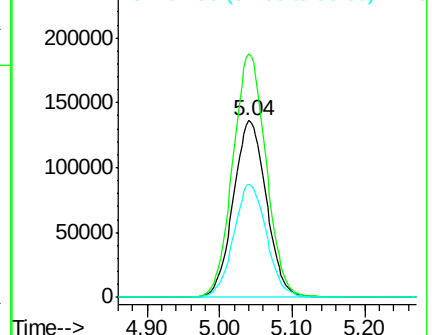
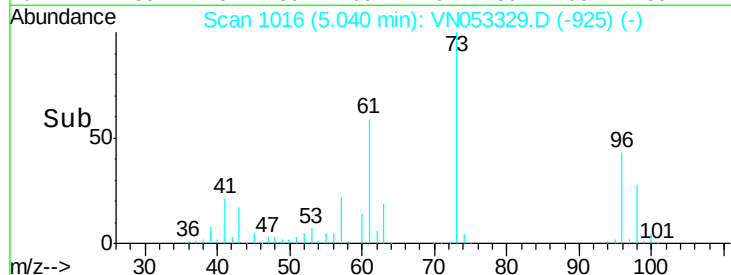


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.198 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion: 45 Resp: 1463500

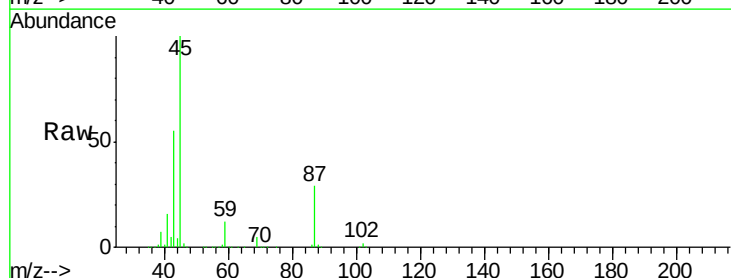
Ion Ratio Lower Upper

45 100

43 55.2 43.0 64.6

87 28.6 22.1 33.1

59 11.9 9.0 13.4



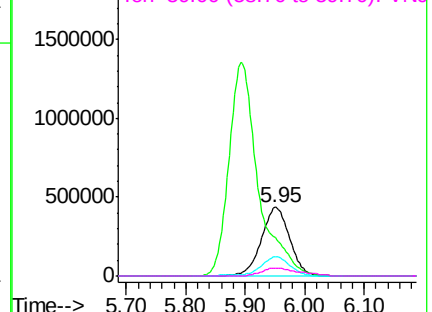
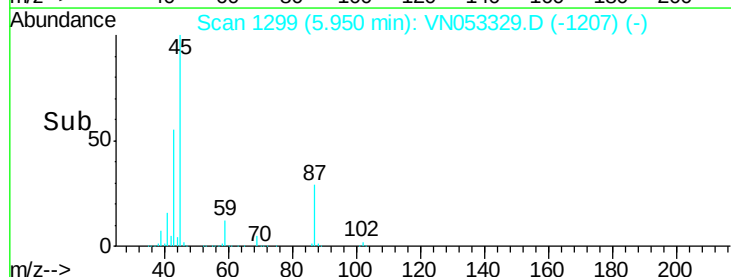
Abundance

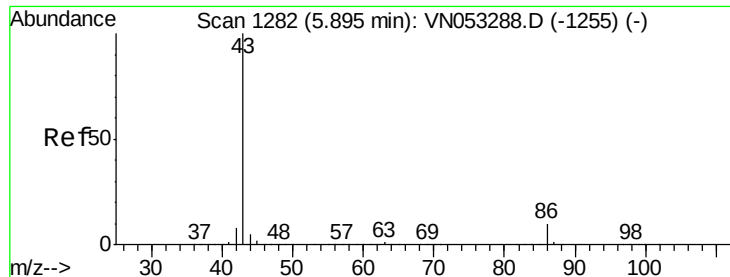
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.849 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

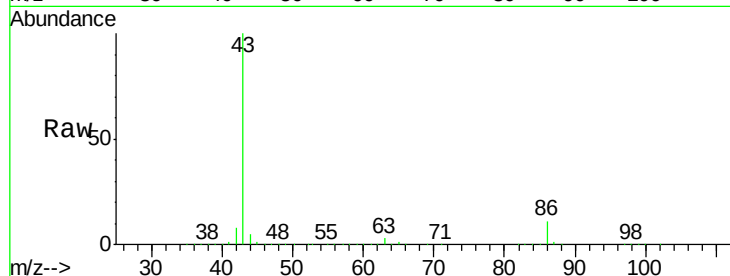
VSTDCCC050EC

Tot Ion: 43 Resp: 4638328

Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.89

1500000

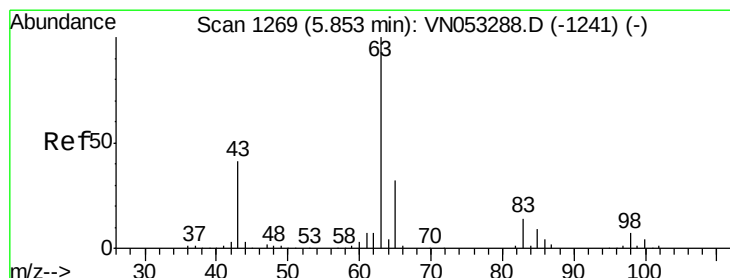
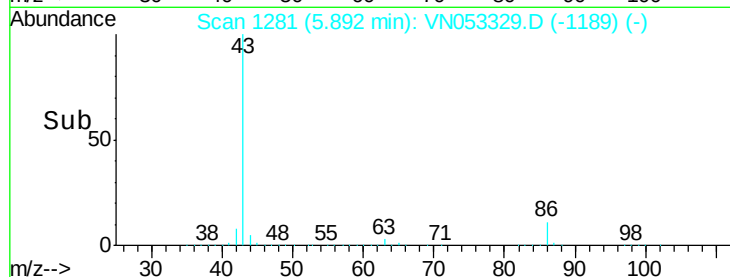
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 49.154 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

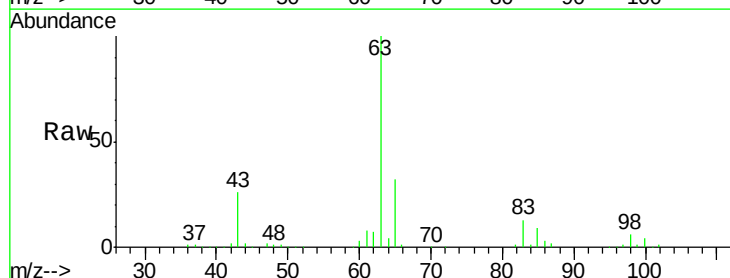
Tgt Ion: 63 Resp: 826516

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

300000

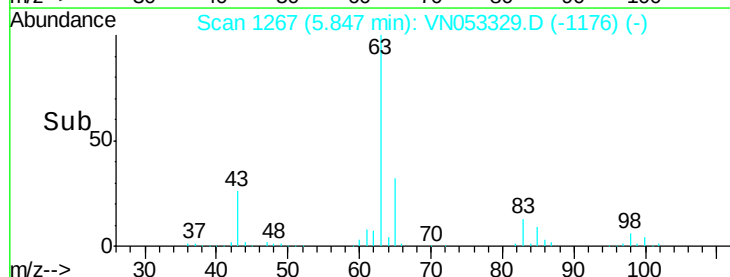
200000

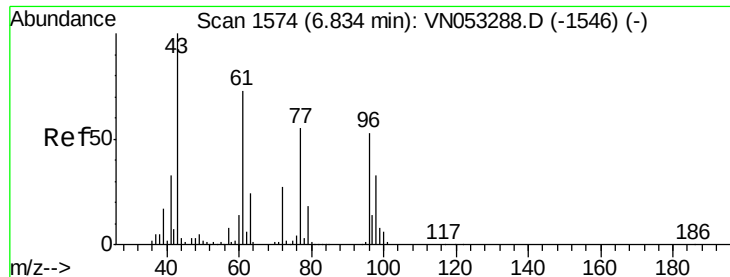
100000

0

Time-->

5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 237.435 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

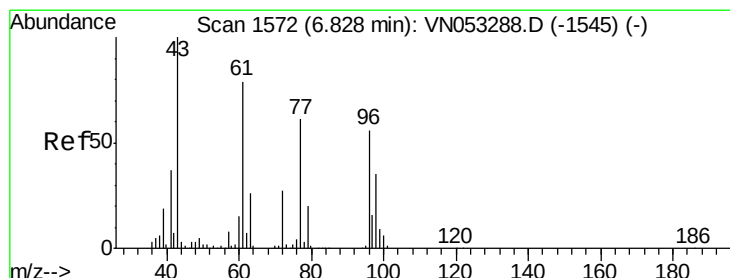
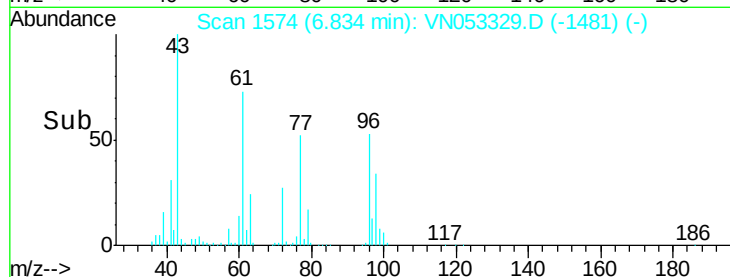
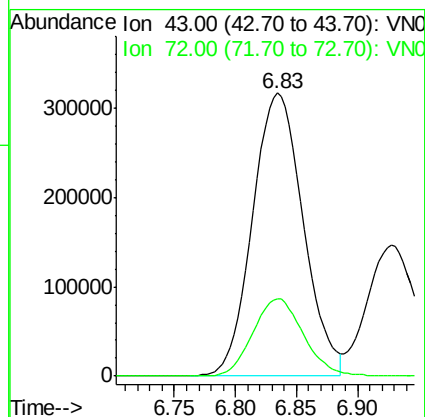
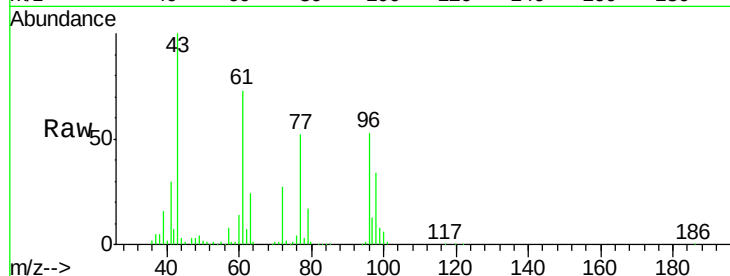
VSTDCCC050EC

Tot Ion: 43 Resp: 911977

Ion Ratio Lower Upper

43 100

72 27.5 22.0 33.0



#26

2,2-Dichloropropane

Concen: 47.166 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053329.D

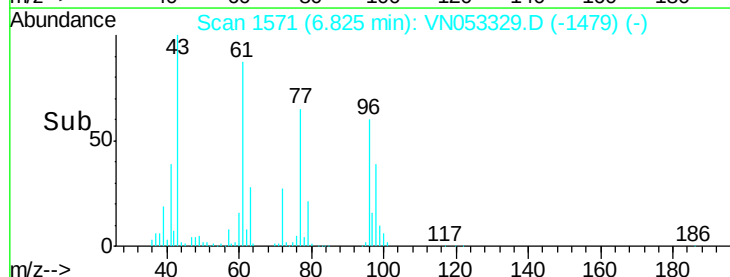
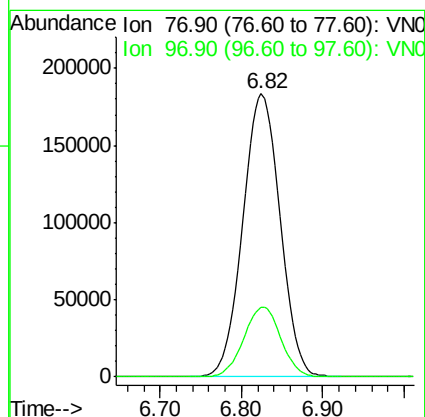
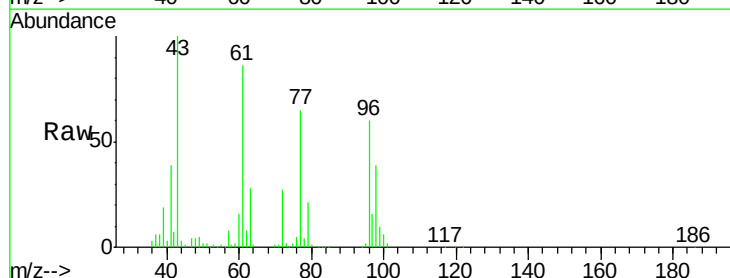
Acq: 9 Jan 2019 19:19

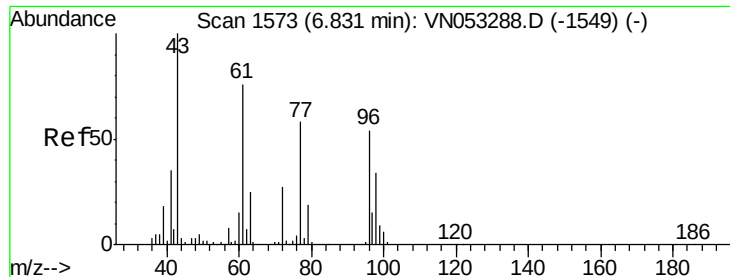
Tgt Ion: 77 Resp: 579735

Ion Ratio Lower Upper

77 100

97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 49.032 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

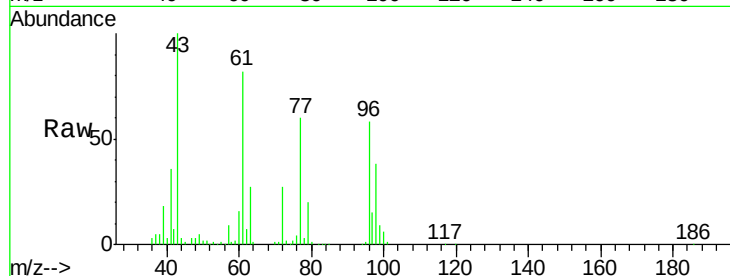
Tot Ion: 96 Resp: 504813

Ion Ratio Lower Upper

96 100

61 141.3 0.0 280.6

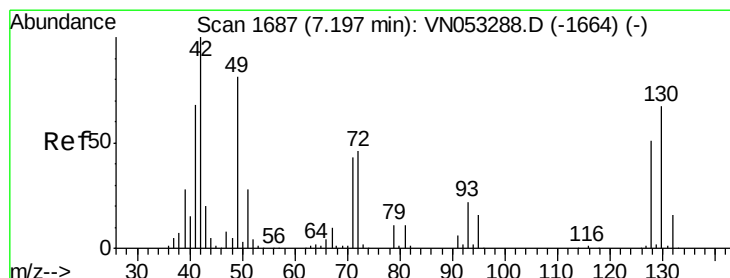
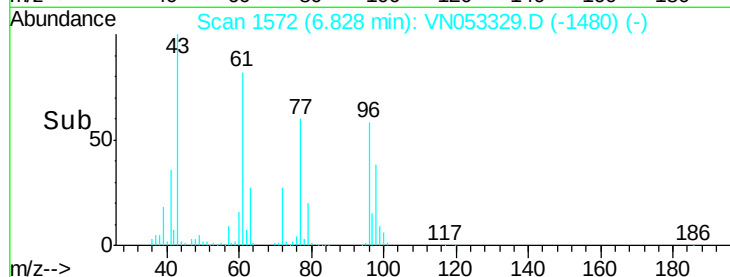
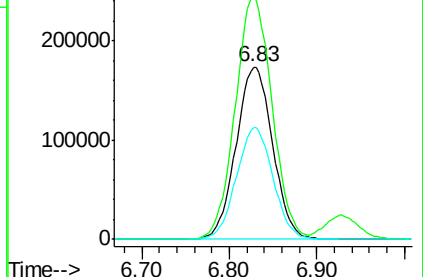
98 64.8 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VN053329.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN053329.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN053329.D (-1480) (-)



#28

Bromochloromethane

Concen: 50.874 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

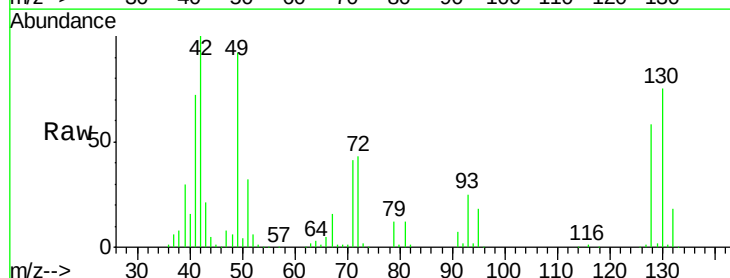
Tgt Ion: 49 Resp: 364533

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

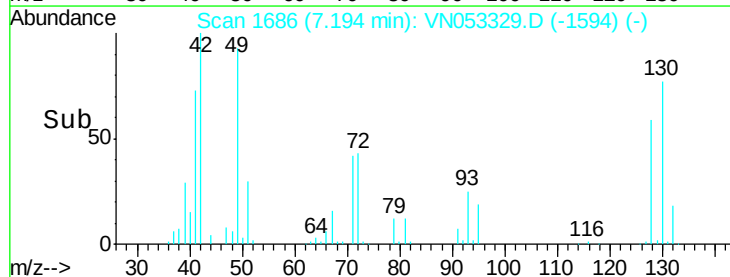
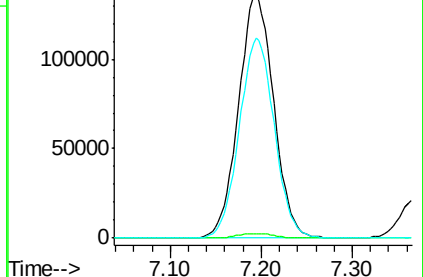
130 82.0 65.4 98.0

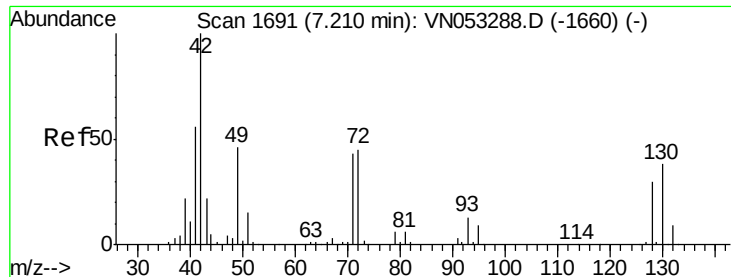


Abundance Ion 48.90 (48.60 to 49.60): VN053329.D (-1594) (-)

Ion 128.80 (128.50 to 129.50): VN053329.D (-1594) (-)

Ion 129.80 (129.50 to 130.50): VN053329.D (-1594) (-)

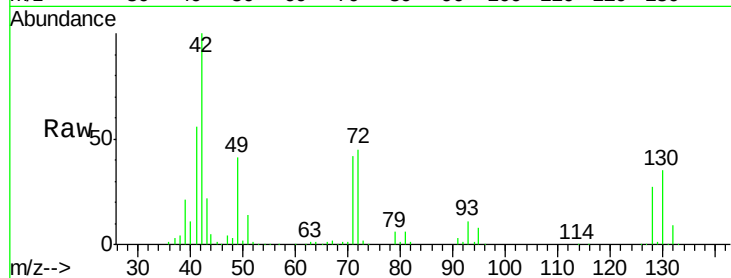




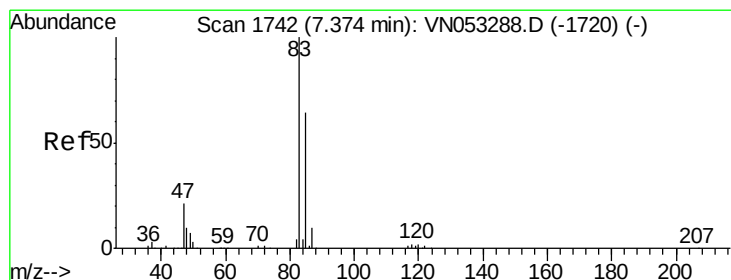
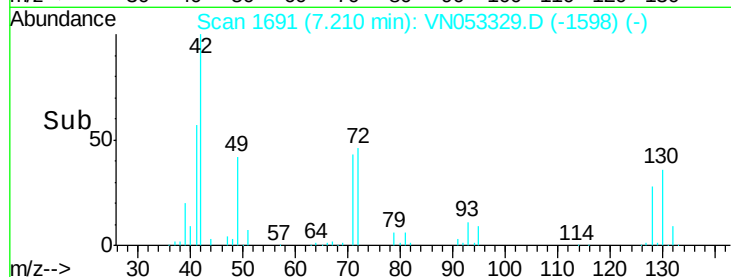
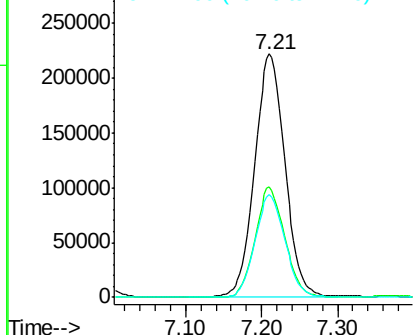
#29
Tetrahydrofuran
Concen: 242.911 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 615700
Ion Ratio Lower Upper
42 100
72 44.2 35.6 53.4
71 41.8 33.8 50.8

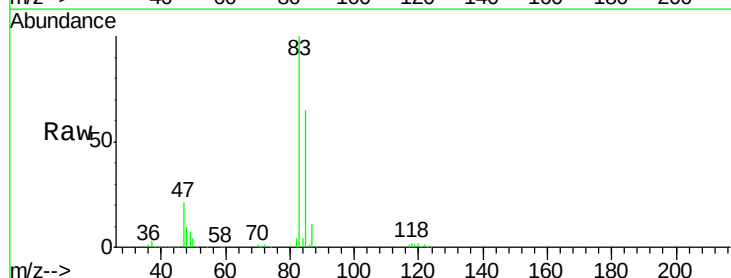


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

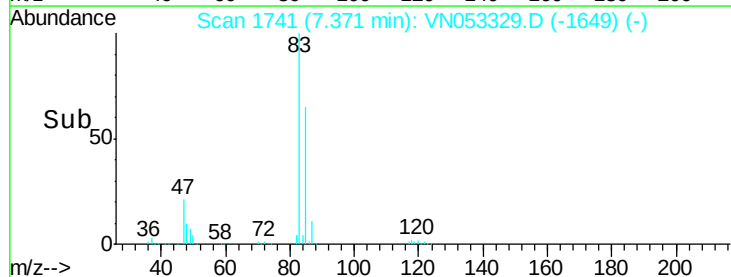
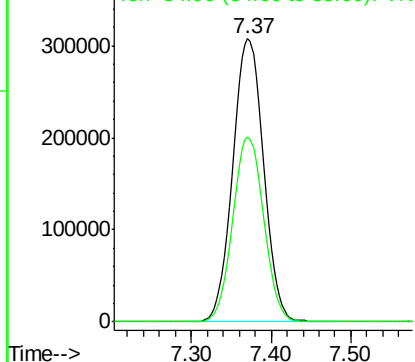


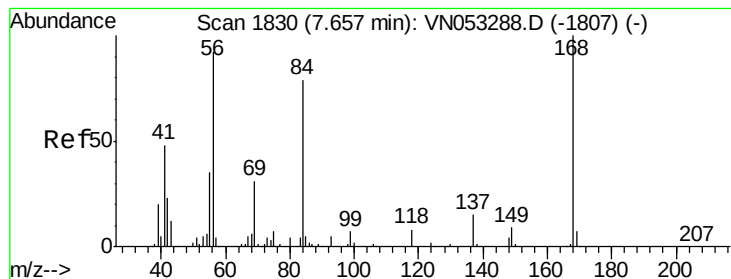
#30
Chloroform
Concen: 48.448 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 83 Resp: 801825
Ion Ratio Lower Upper
83 100
85 65.5 51.3 76.9



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





#31

Cyclohexane

Concen: 47.972 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

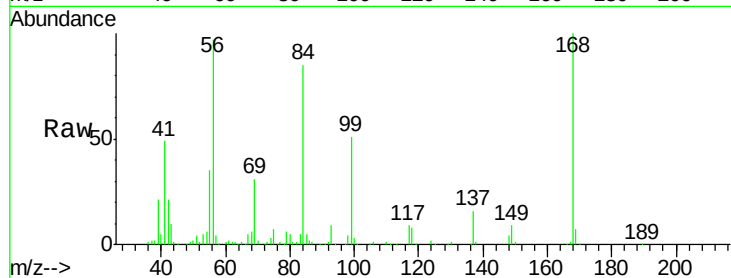
Tot Ion: 56 Resp: 766660

Ion Ratio Lower Upper

56 100

69 32.5 26.7 40.1

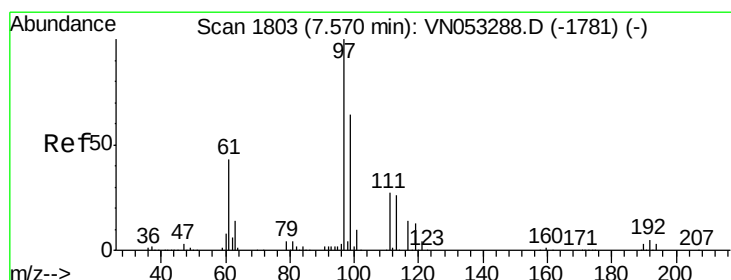
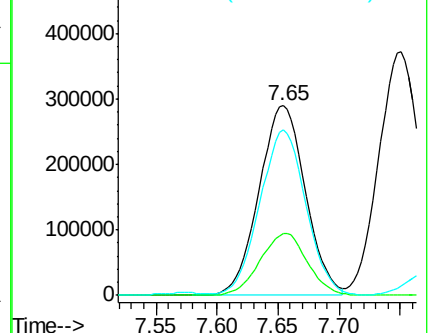
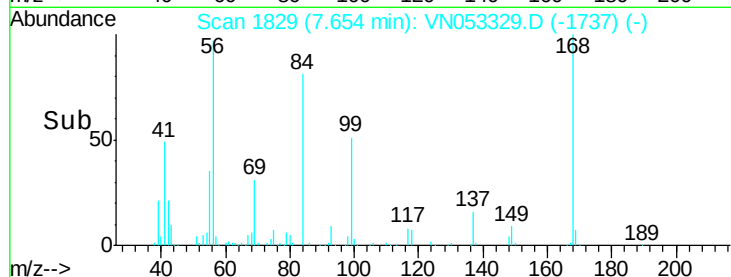
84 86.3 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VN053329.D (-1737) (-)

Ion 69.00 (68.70 to 69.70): VN053329.D (-1737) (-)

Ion 84.00 (83.70 to 84.70): VN053329.D (-1737) (-)



#32

1,1,1-Trichloroethane

Concen: 49.060 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

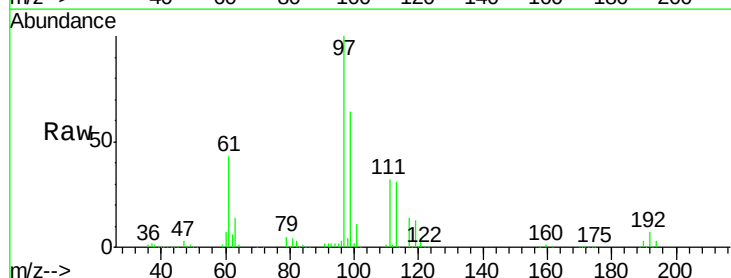
Tgt Ion: 97 Resp: 676602

Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

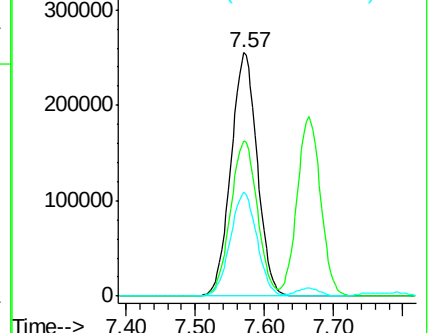
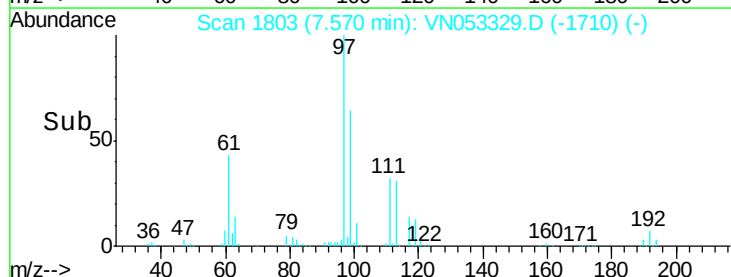
61 43.0 34.6 52.0

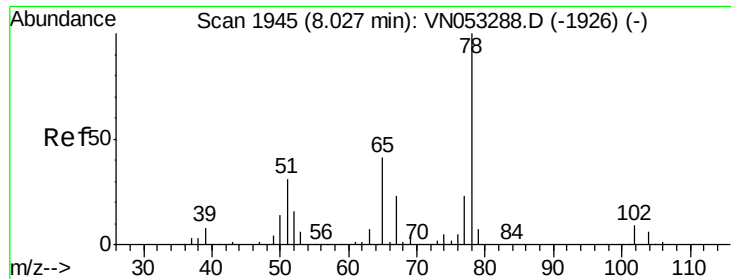


Abundance Ion 96.90 (96.60 to 97.60): VN053329.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053329.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053329.D (-1710) (-)

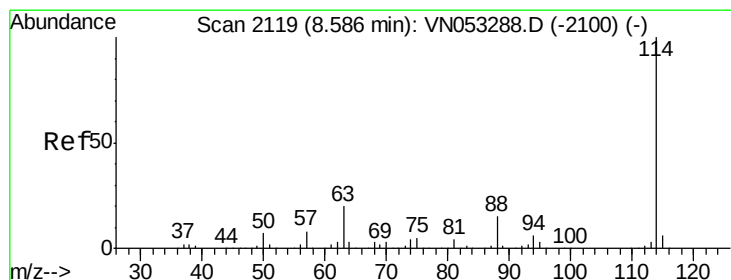
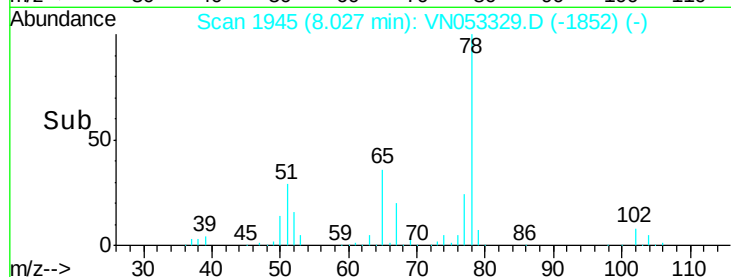
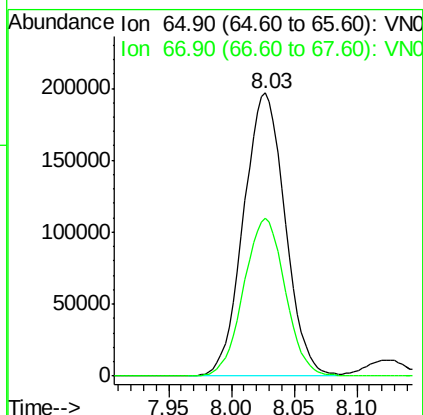
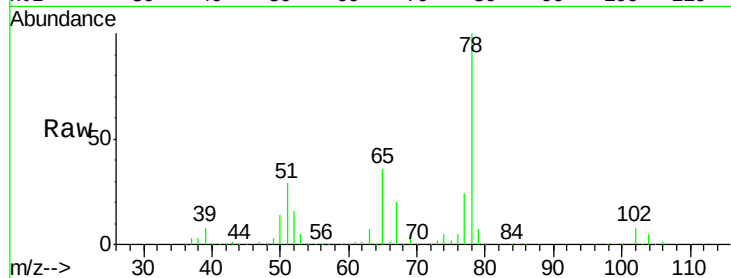




#33
 1,2-Dichloroethane-d4
 Concen: 49.060 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

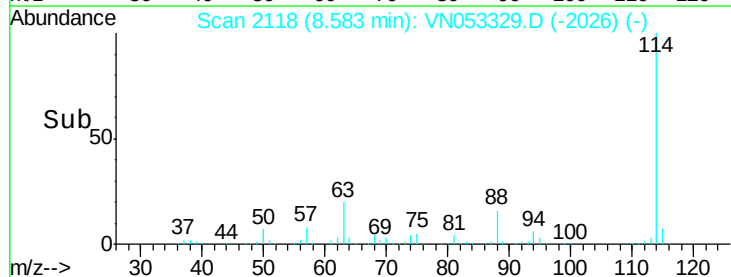
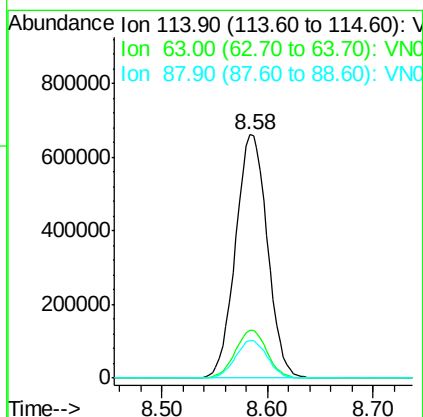
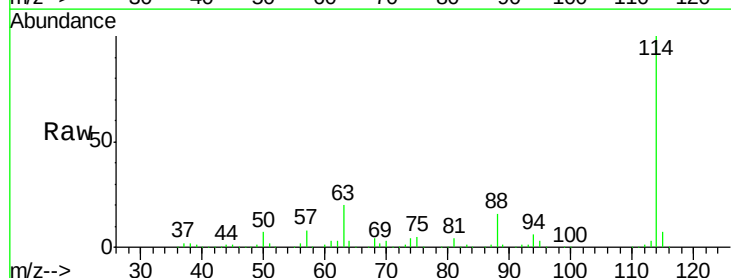
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

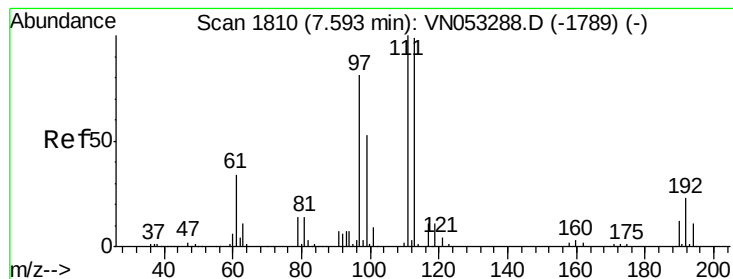
Tot Ion: 65 Resp: 454666
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 114 Resp: 1383559
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.0
 88 15.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

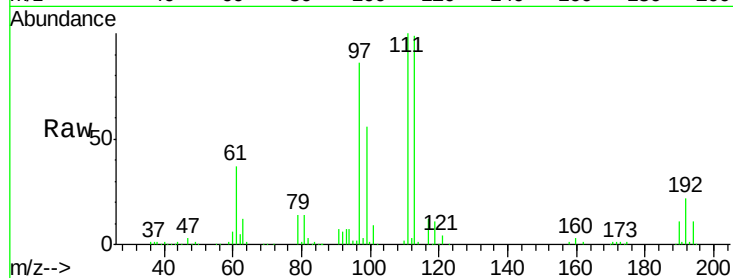
Tot Ion:113 Resp: 395862

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

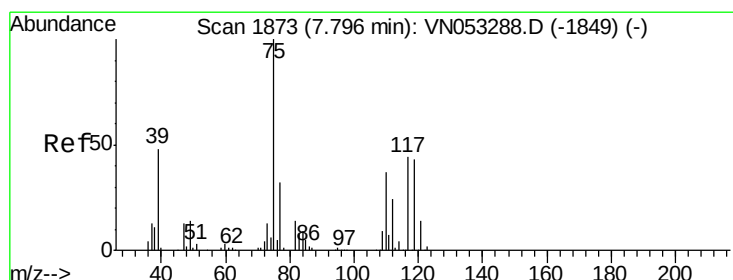
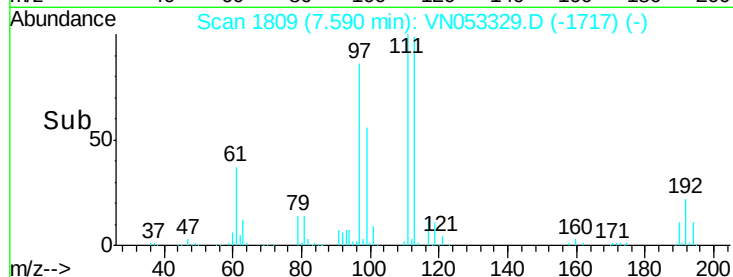
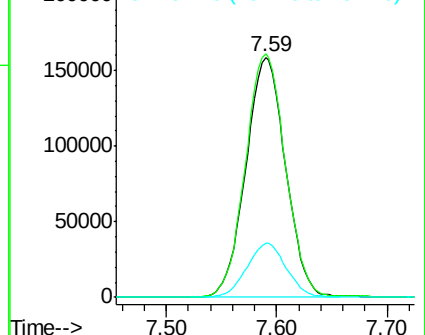
192 22.5 17.9 26.9



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.403 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

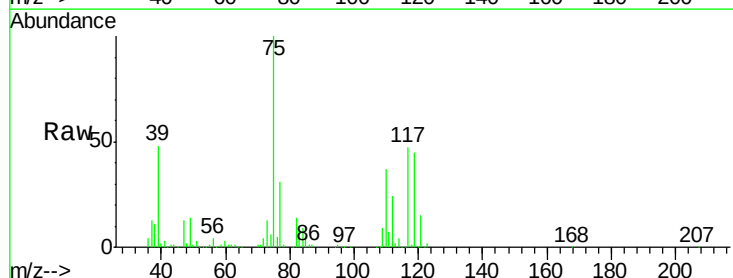
Tgt Ion: 75 Resp: 625195

Ion Ratio Lower Upper

75 100

110 36.8 18.4 55.0

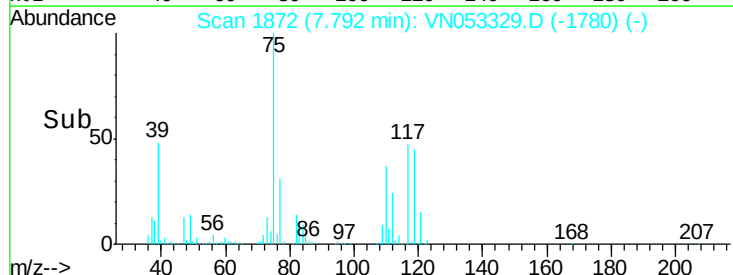
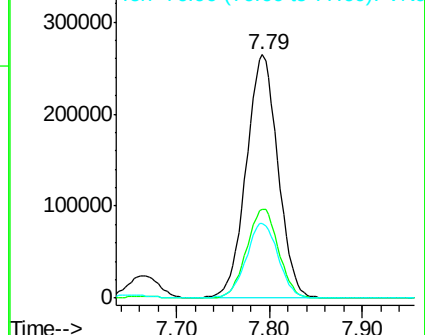
77 31.2 25.3 37.9

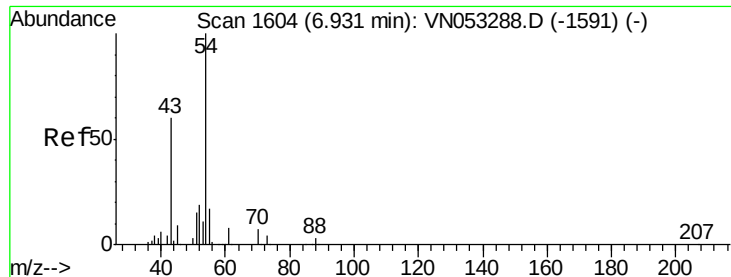


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

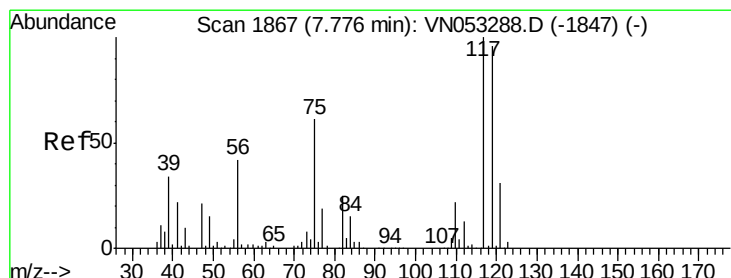
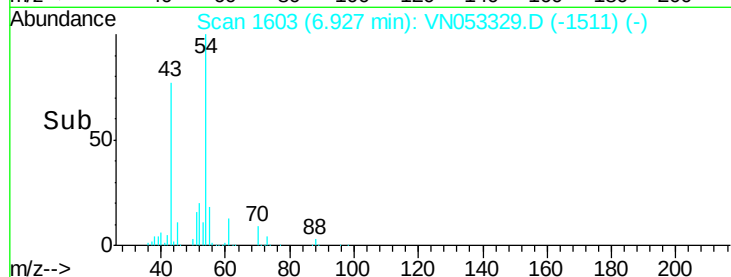
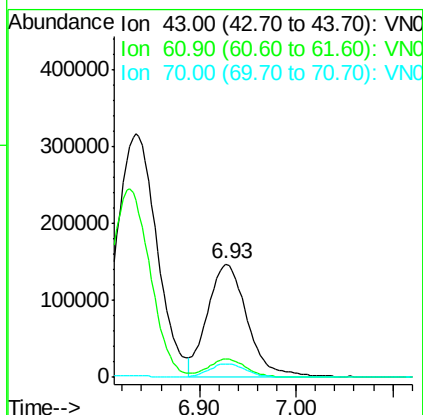
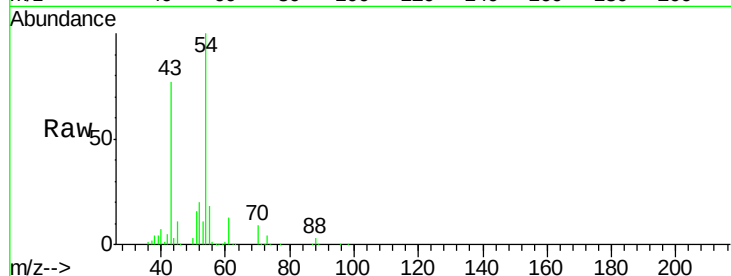




#37
Ethyl Acetate
Concen: 49.351 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

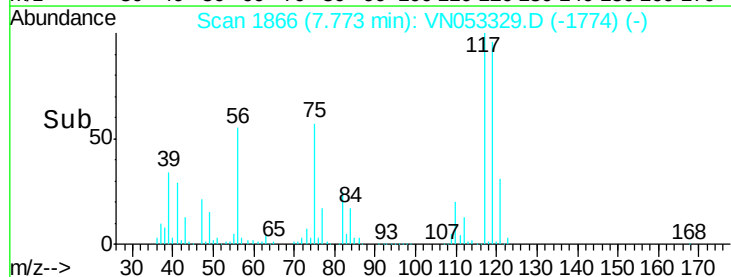
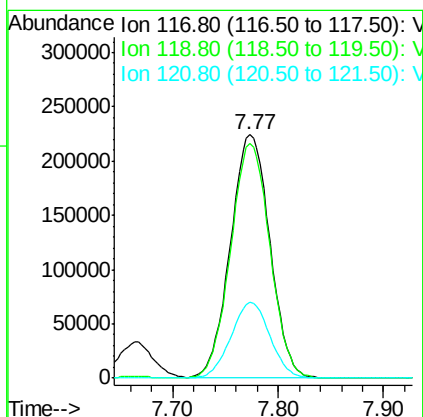
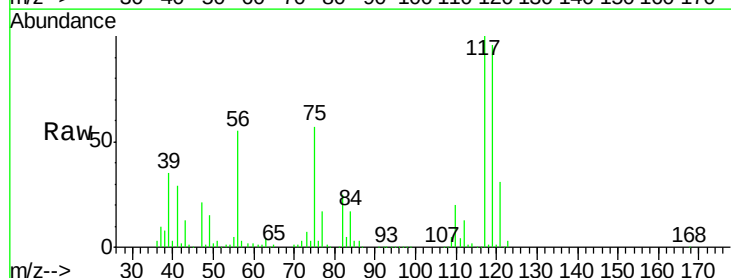
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

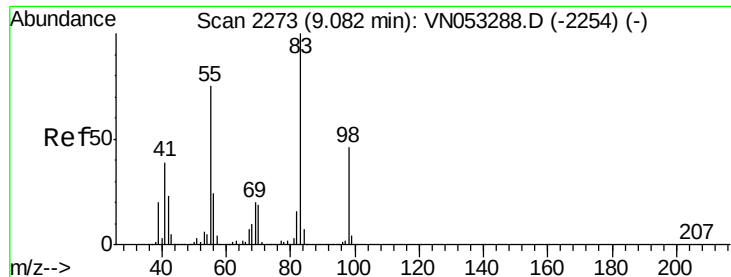
Tot Ion: 43 Resp: 415200
Ion Ratio Lower Upper
43 100
61 15.5 11.9 17.9
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 48.694 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 117 Resp: 580522
Ion Ratio Lower Upper
117 100
119 96.3 76.6 115.0
121 31.0 25.0 37.4

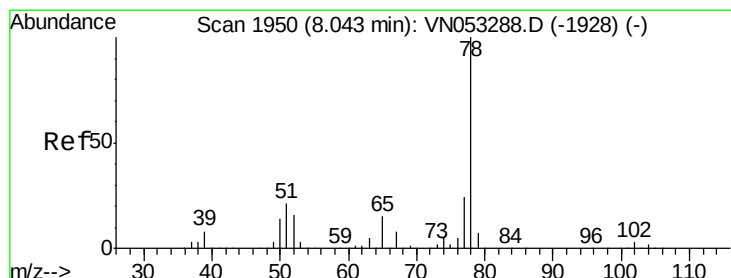
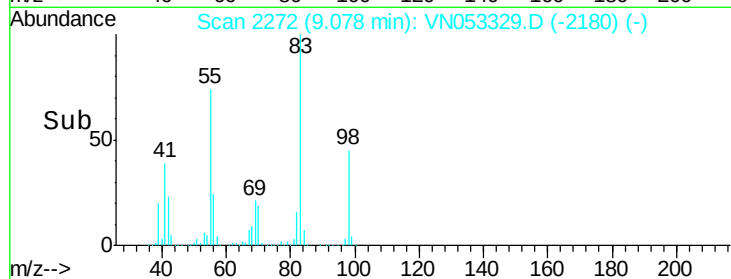
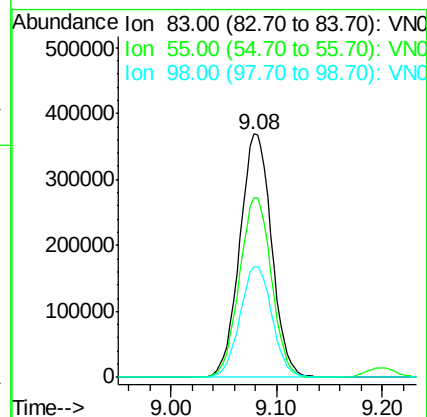
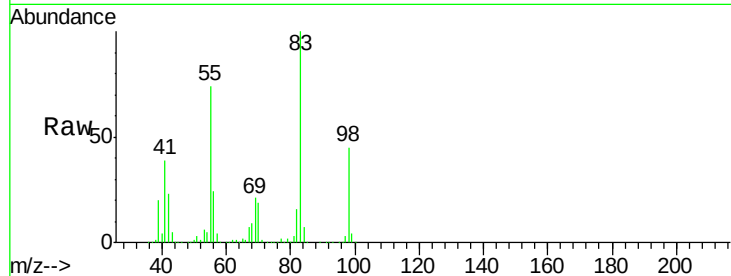




#39
Methylvlcyclohexane
Concen: 51.672 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

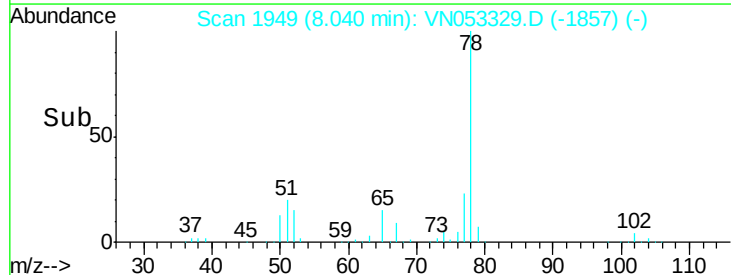
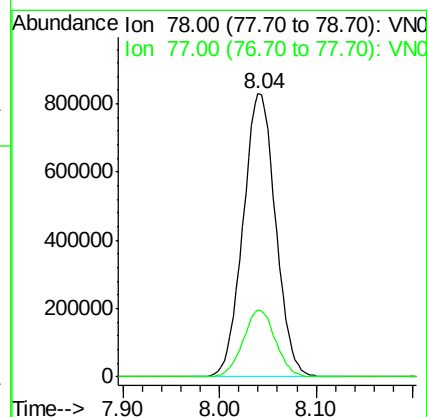
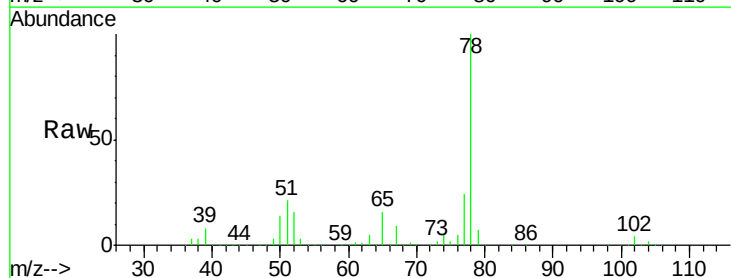
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

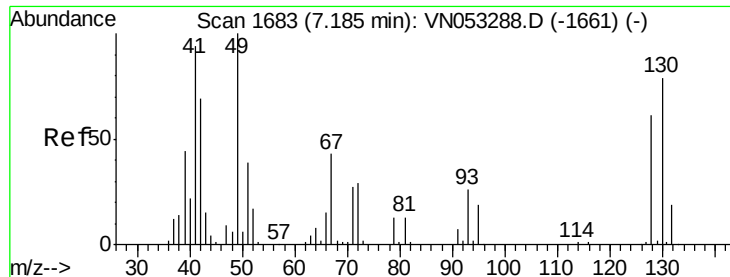
Tot Ion: 83 Resp: 773209
Ion Ratio Lower Upper
83 100
55 73.8 60.1 90.1
98 45.5 36.7 55.1



#40
Benzene
Concen: 49.220 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 78 Resp: 1941957
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

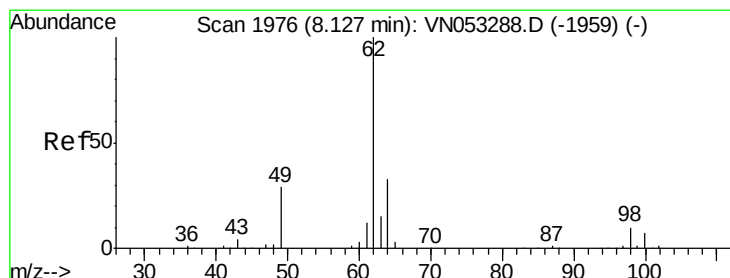
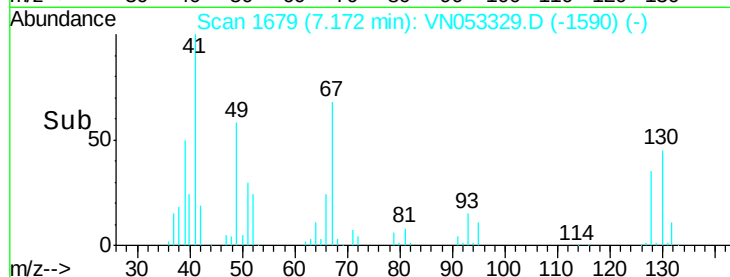
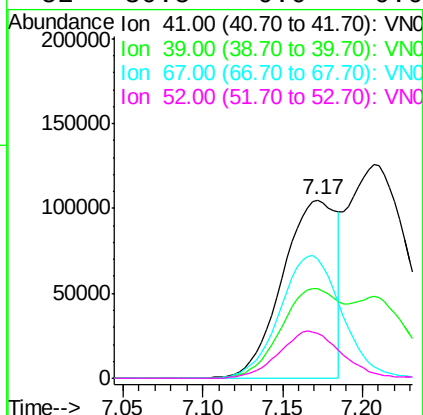
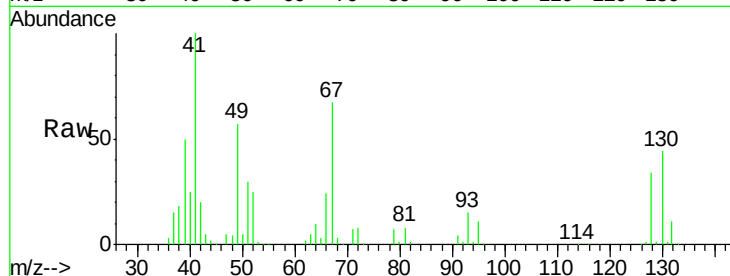




#41
Methacrylonitrile
Concen: 47.324 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

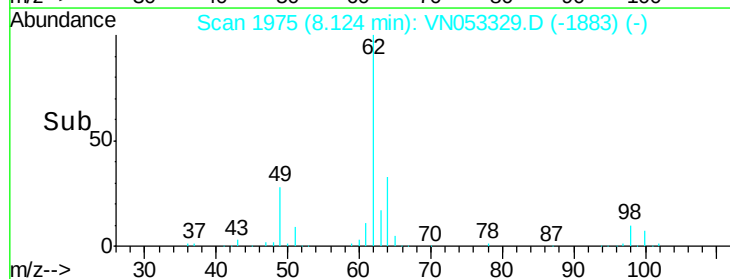
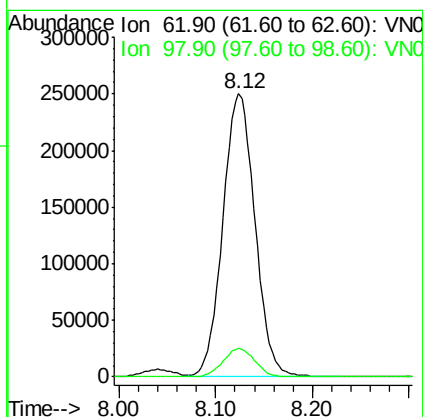
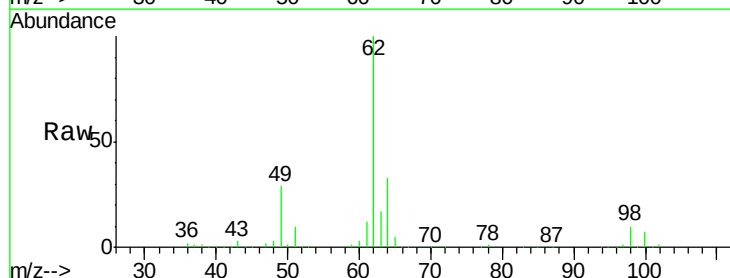
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

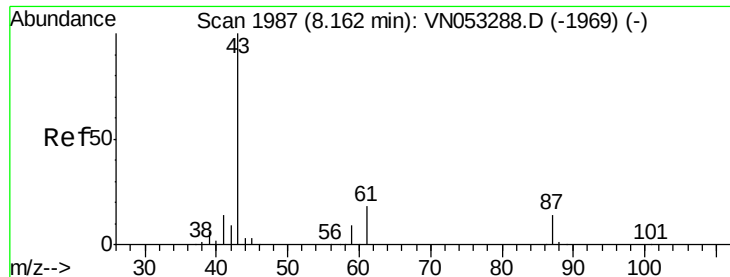
Tot Ion:	41	Resp:	247186
Ion	Ratio	Lower	Upper
41	100		
39	57.4	0.0	0.0#
67	79.1	0.0	0.0#
52	30.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 49.118 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:	62	Resp:	574841
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.2





#43

Isopropyl Acetate

Concen: 47.295 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

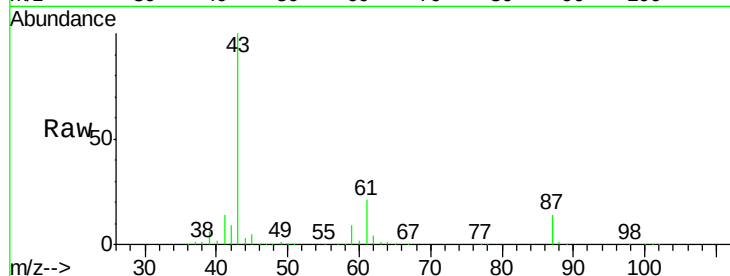
Tot Ion: 43 Resp: 782770

Ion Ratio Lower Upper

43 100

61 28.5 23.3 34.9

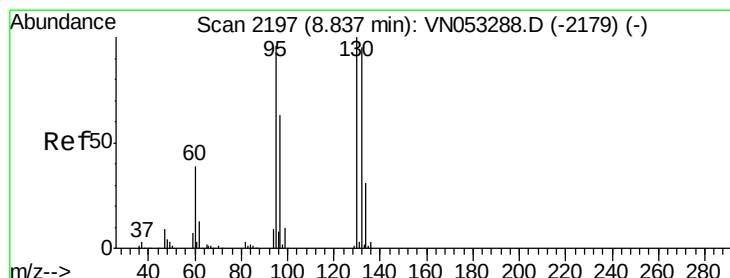
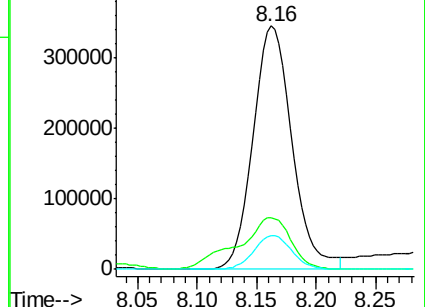
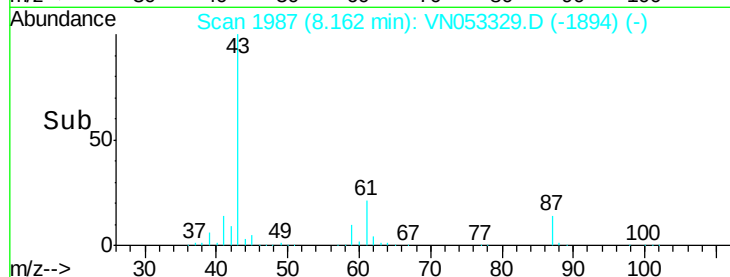
87 13.6 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053329.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053329.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053329.D (-1894) (-)



#44

Trichloroethene

Concen: 48.718 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053329.D

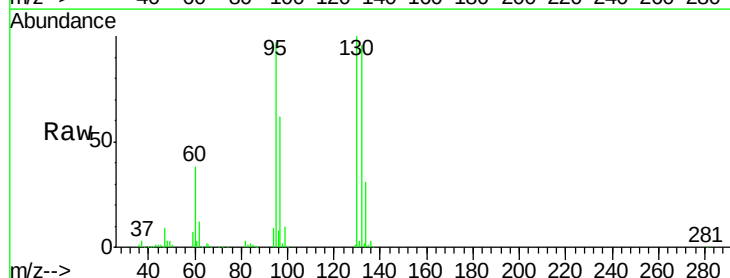
Acq: 9 Jan 2019 19:19

Tgt Ion:130 Resp: 527799

Ion Ratio Lower Upper

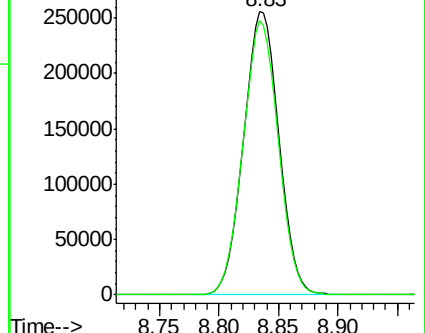
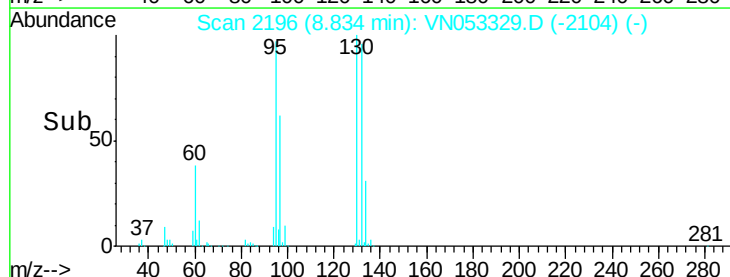
130 100

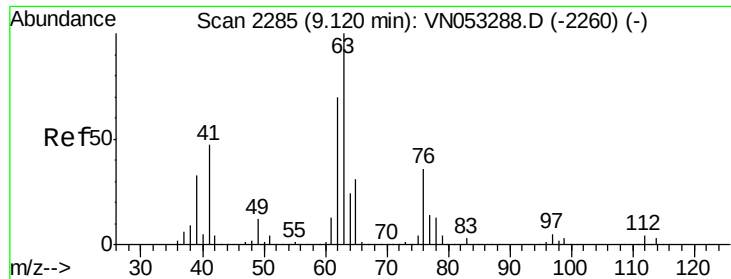
95 97.1 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053329.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053329.D (-2104) (-)

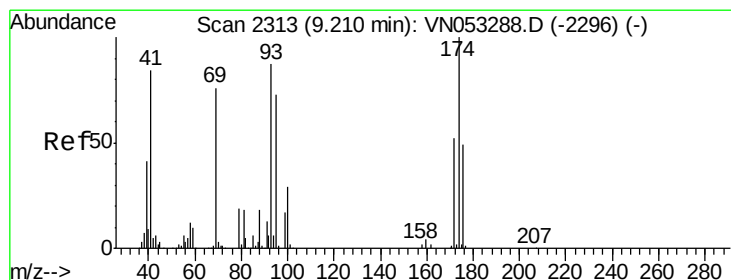
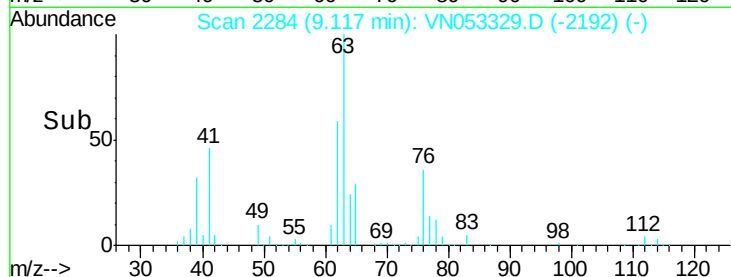
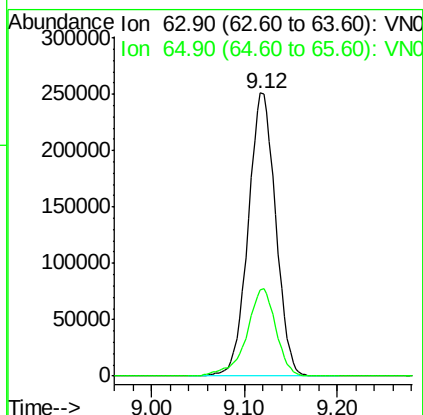
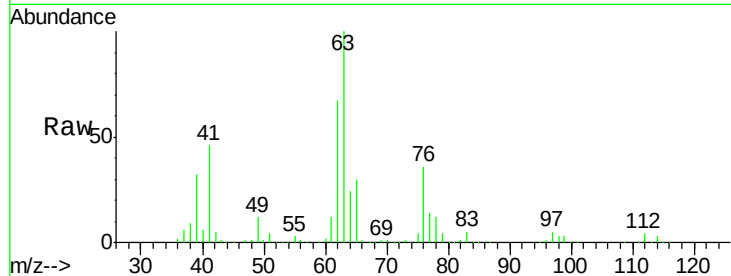




#45
 1,2-Dichloropropane
 Concen: 49.856 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

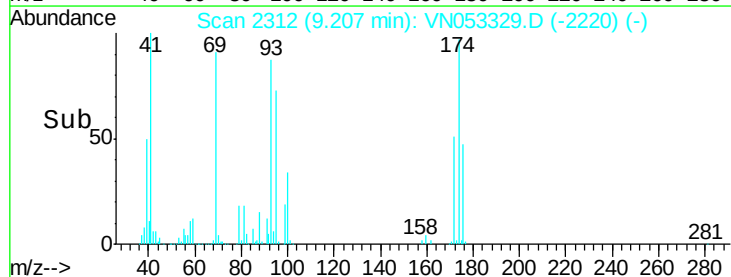
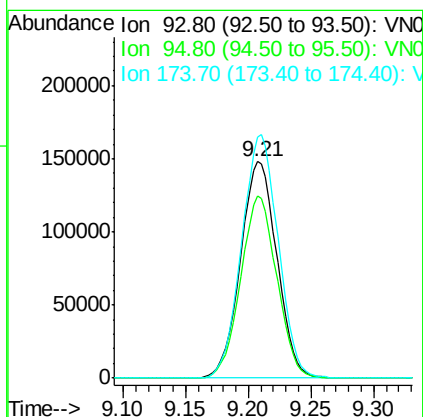
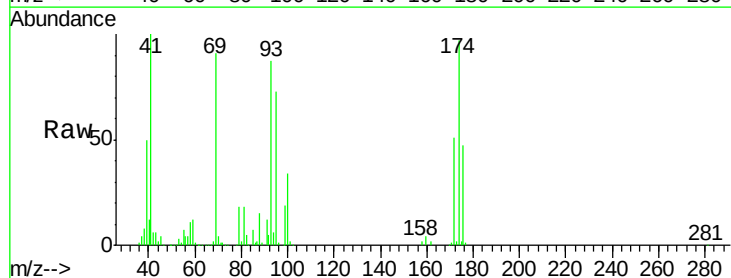
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

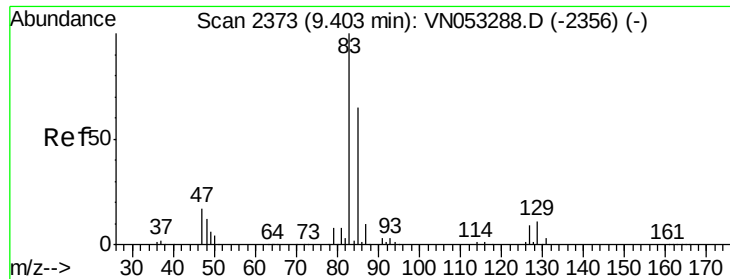
Tot Ion: 63 Resp: 515911
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6



#46
 Dibromomethane
 Concen: 49.755 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion: 93 Resp: 300202
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.6 100.0
 174 112.6 91.4 137.0





#47

Bromodichloromethane

Concen: 49.384 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

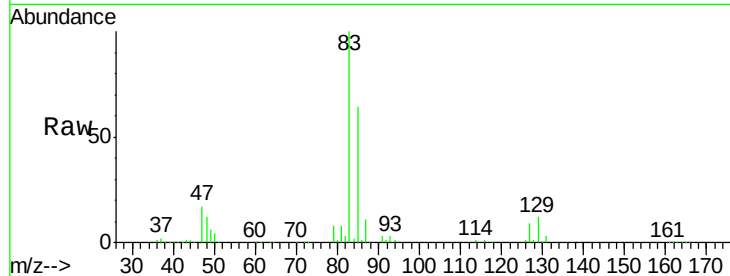
Tot Ion: 83 Resp: 620940

Ion Ratio Lower Upper

83 100

85 64.3 51.7 77.5

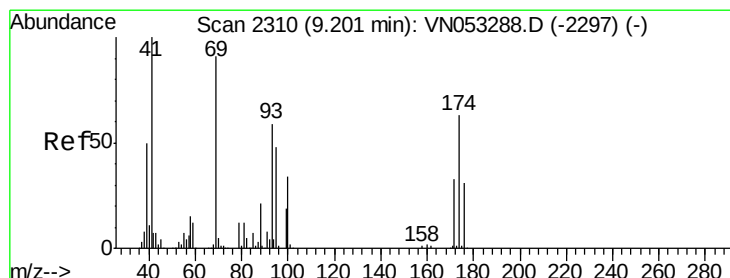
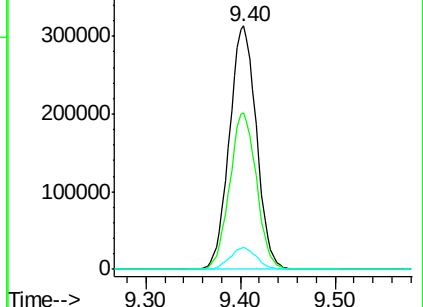
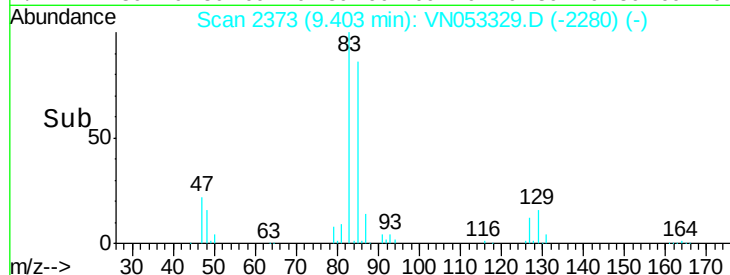
127 8.9 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN053329.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053329.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053329.D (-2280) (-)



#48

Methyl methacrylate

Concen: 51.304 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

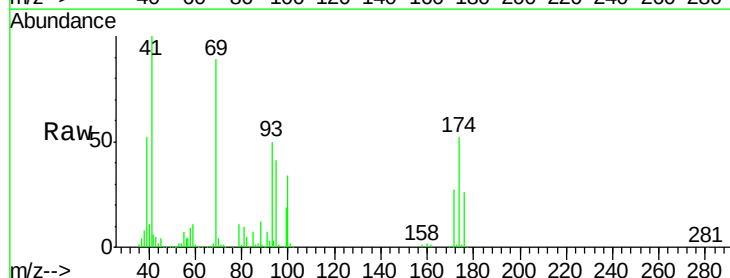
Tgt Ion: 41 Resp: 385771

Ion Ratio Lower Upper

41 100

69 92.8 73.5 110.3

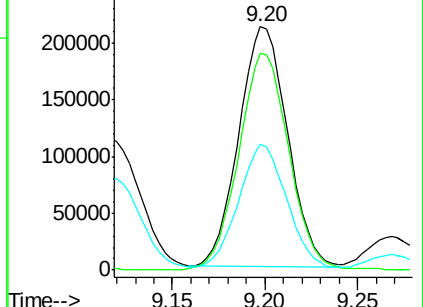
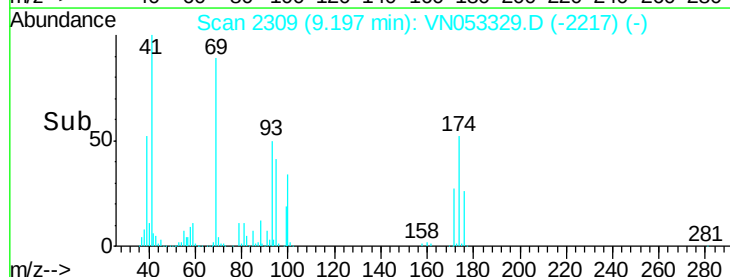
39 52.6 41.6 62.4

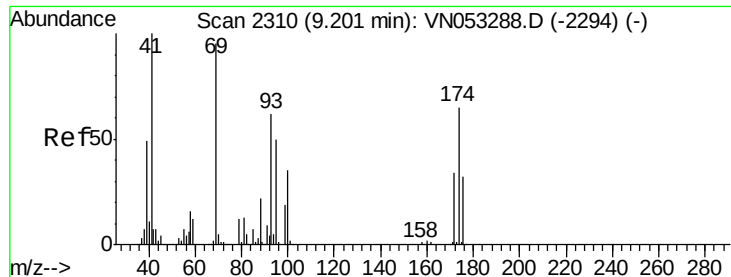


Abundance Ion 41.00 (40.70 to 41.70): VN053329.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053329.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053329.D (-2217) (-)

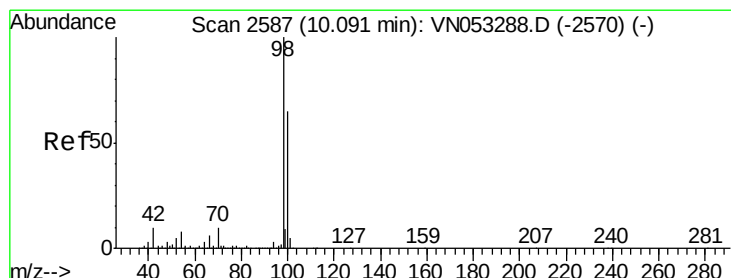
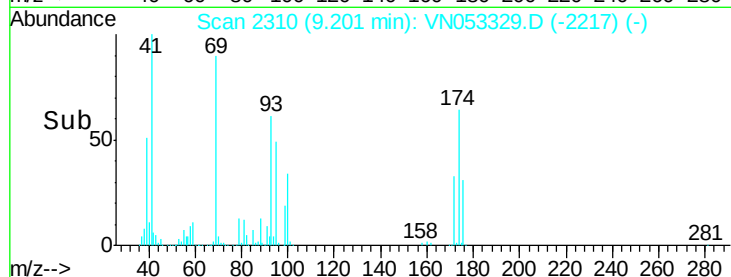
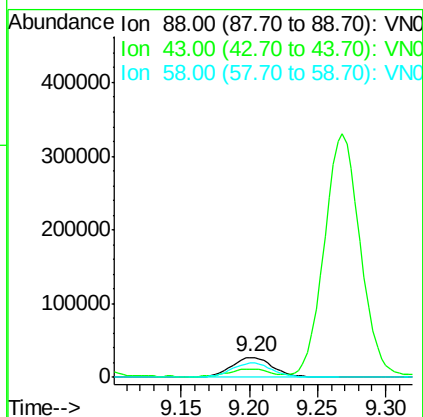
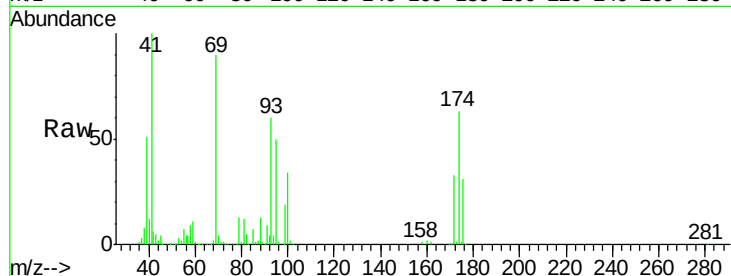




#49
1,4-Dioxane
Concen: 723.206 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

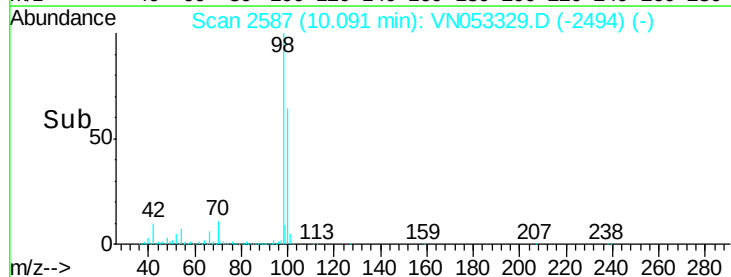
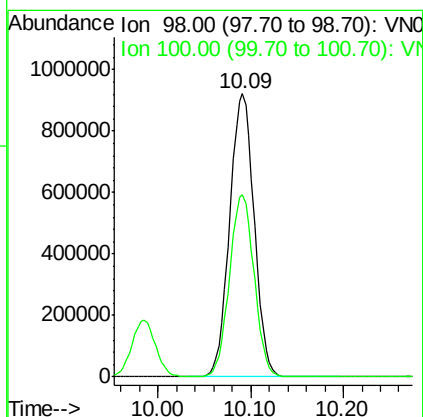
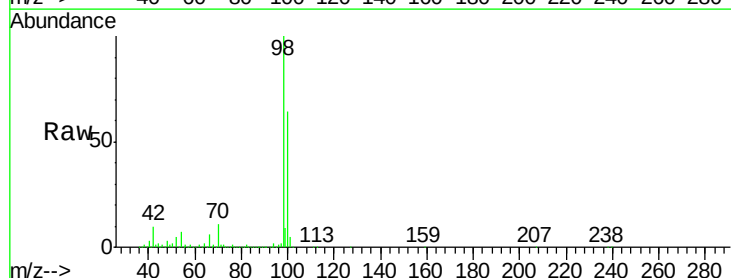
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

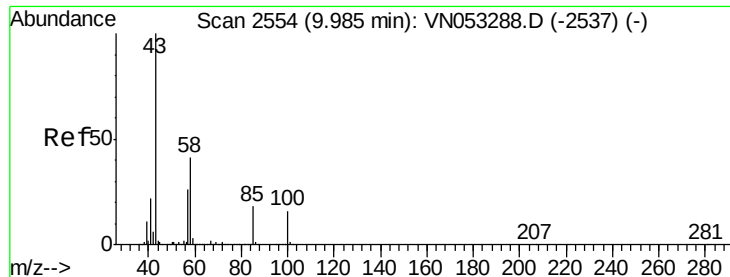
Tot Ion: 88 Resp: 57938
Ion Ratio Lower Upper
88 100
43 37.1 26.2 39.4
58 70.4 55.5 83.3



#50
Toluene-d8
Concen: 723.206 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 98 Resp: 1688437
Ion Ratio Lower Upper
98 100
100 64.7 51.5 77.3





#51

4-Methyl-2-Pentanone

Concen: 256.846 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

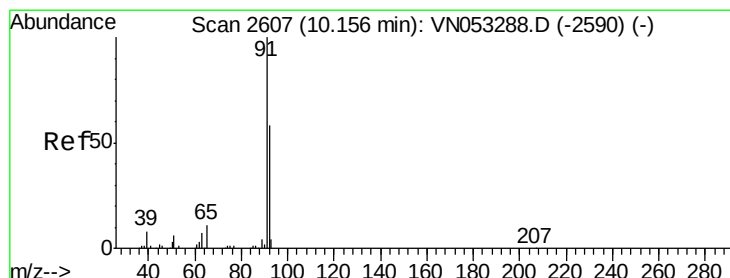
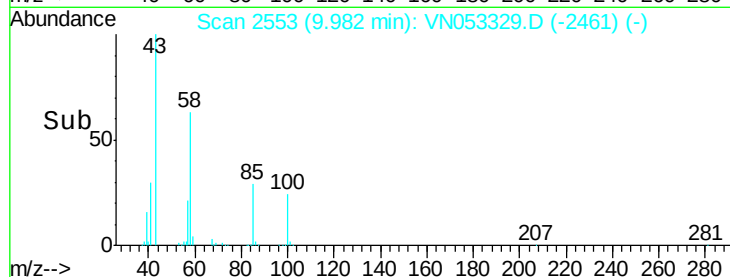
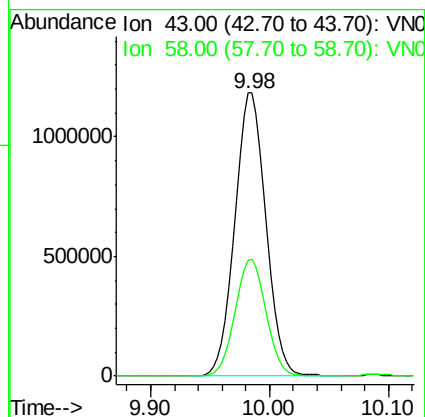
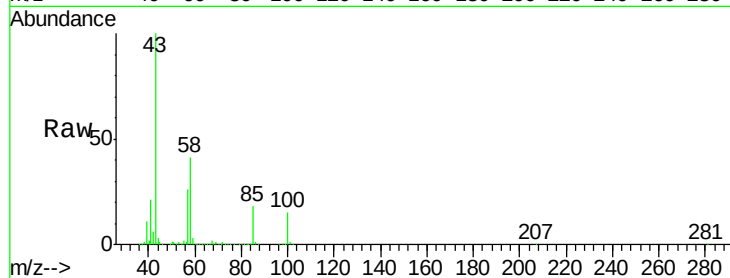
VSTDCCC050EC

Tot Ion: 43 Resp: 2137771

Ion Ratio Lower Upper

43 100

58 41.2 32.7 49.1



#52

Toluene

Concen: 50.378 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053329.D

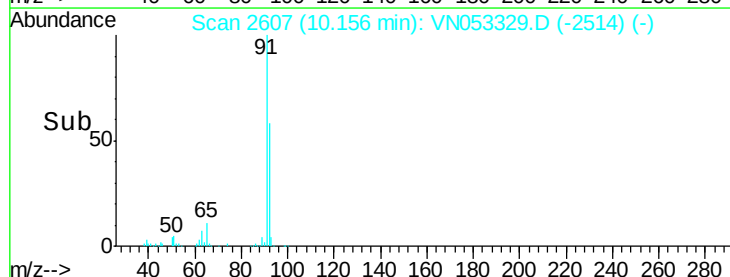
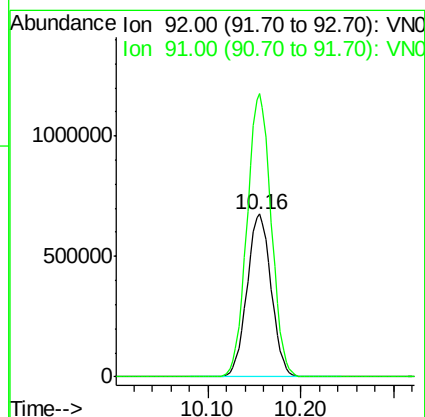
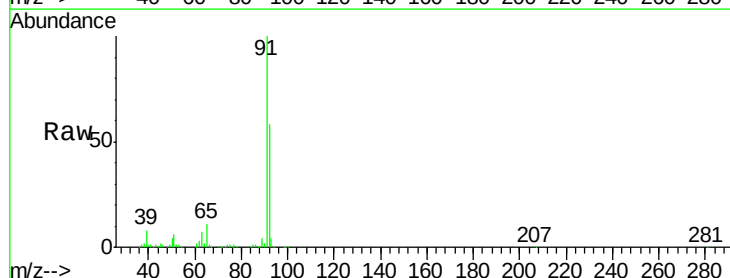
Acq: 9 Jan 2019 19:19

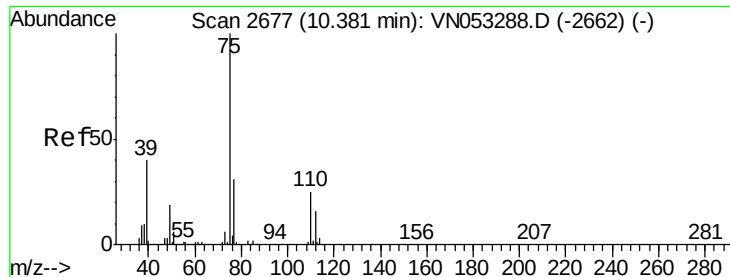
Tgt Ion: 92 Resp: 1219409

Ion Ratio Lower Upper

92 100

91 173.9 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 50.954 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

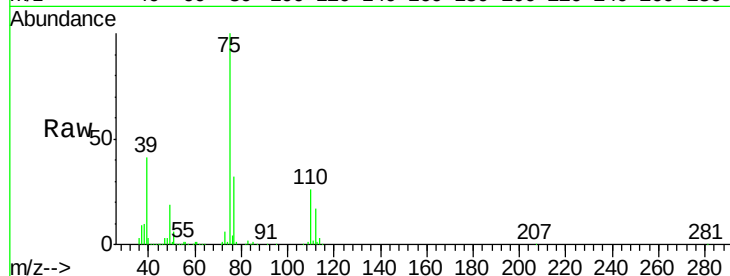
VSTDCCC050EC

Tot Ion: 75 Resp: 655409

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

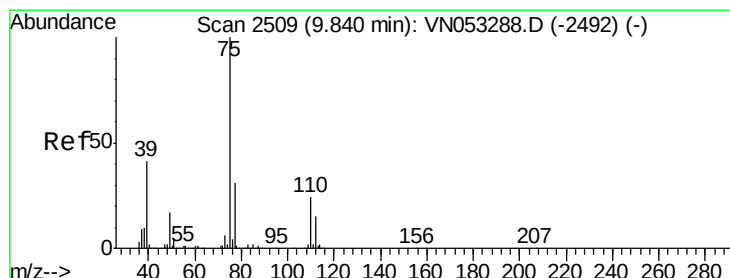
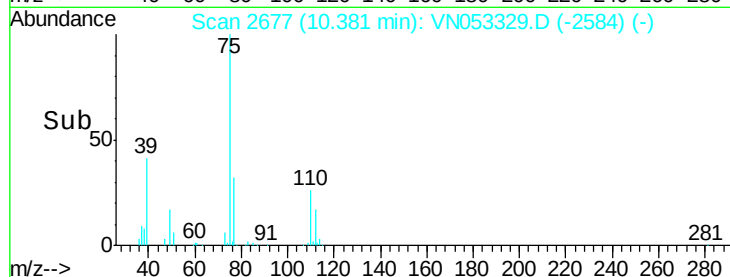
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.010 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

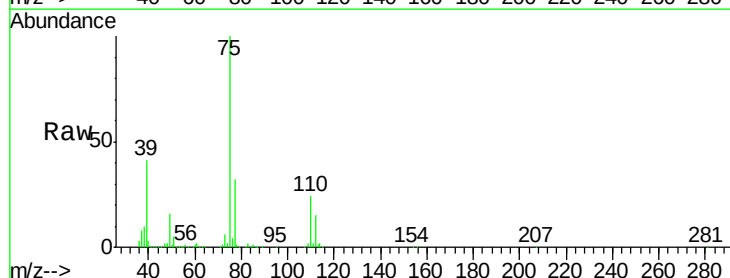
Tgt Ion: 75 Resp: 743327

Ion Ratio Lower Upper

75 100

77 32.2 25.1 37.7

39 41.4 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

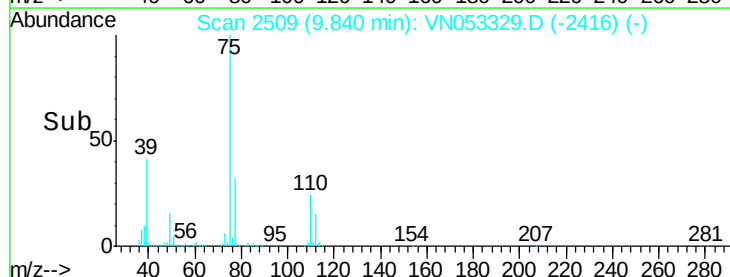
300000

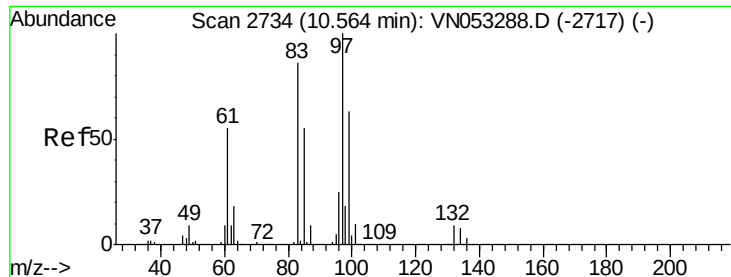
200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 49.691 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 442258

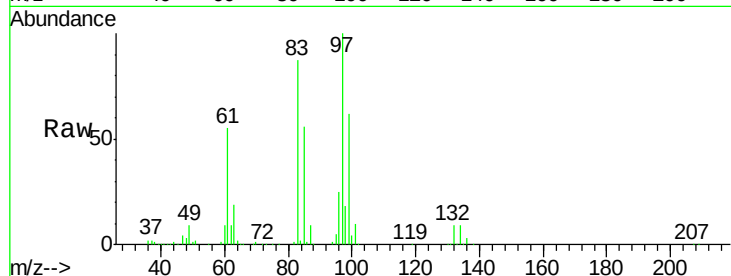
Ion Ratio Lower Upper

97 100

83 86.6 69.1 103.7

85 55.9 44.2 66.4

99 62.5 50.3 75.5

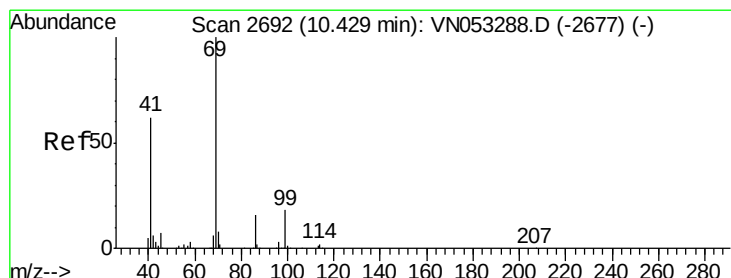
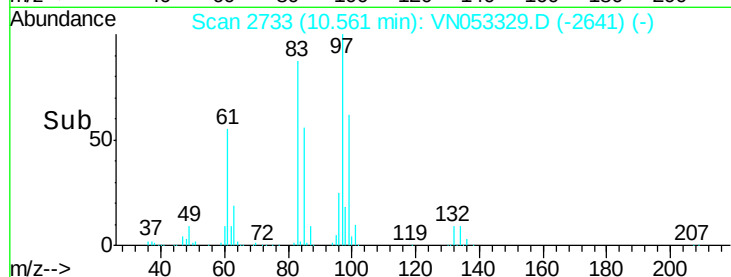
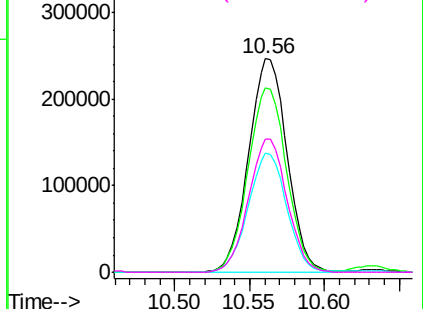


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 53.512 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

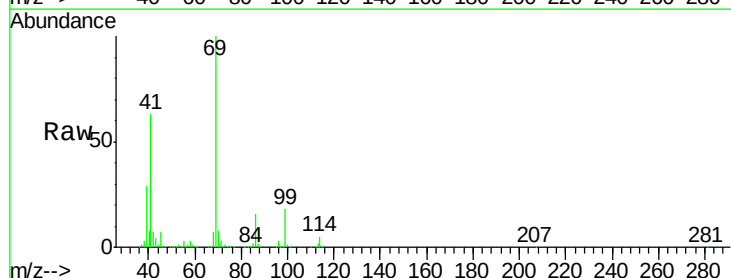
Tgt Ion: 69 Resp: 618914

Ion Ratio Lower Upper

69 100

41 62.4 49.2 73.8

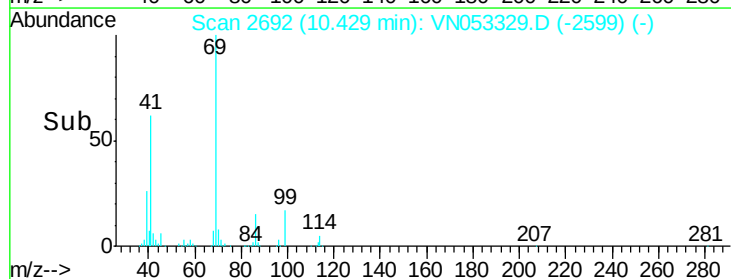
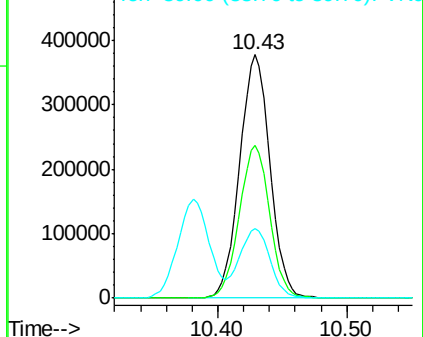
39 28.8 23.4 35.0

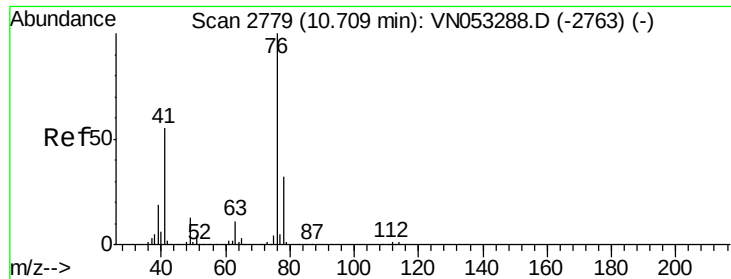


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.117 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

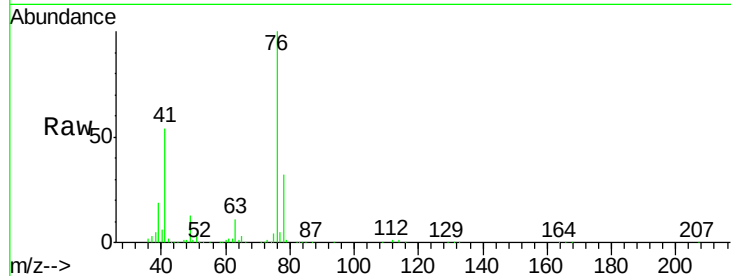
VSTDCCC050EC

Tot Ion: 76 Resp: 760808

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

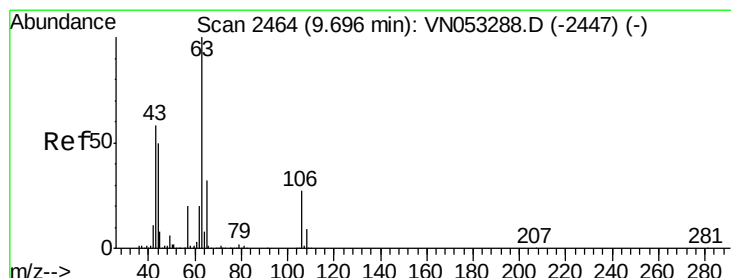
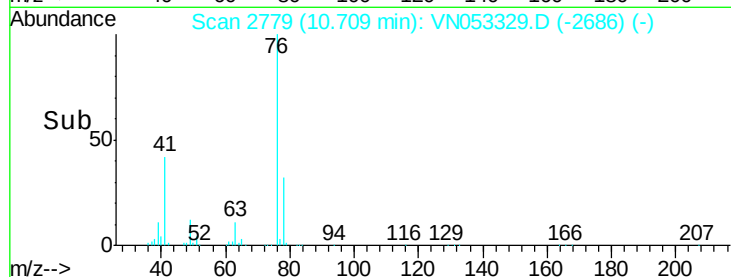
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 255.561 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053329.D

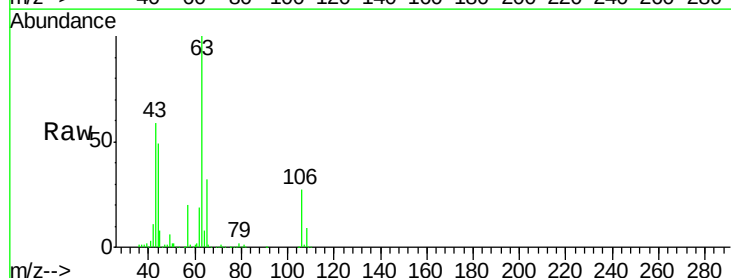
Acq: 9 Jan 2019 19:19

Tgt Ion: 63 Resp: 1597979

Ion Ratio Lower Upper

63 100

106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

1000000

800000

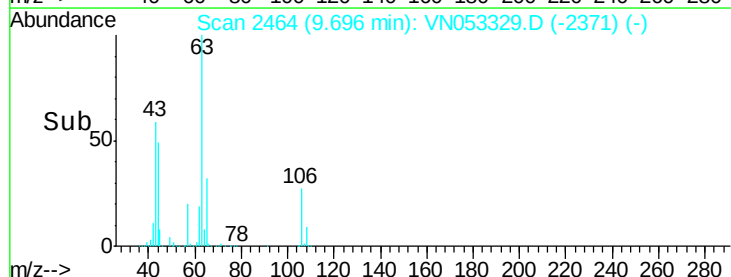
600000

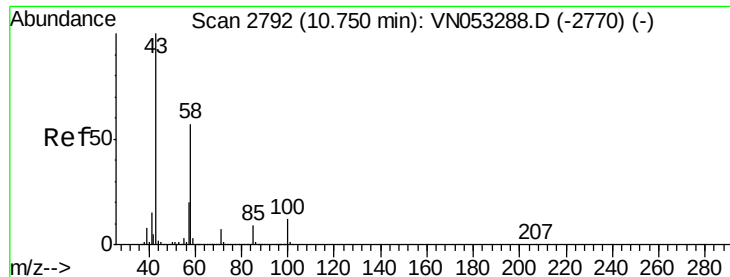
400000

200000

0

Time-->

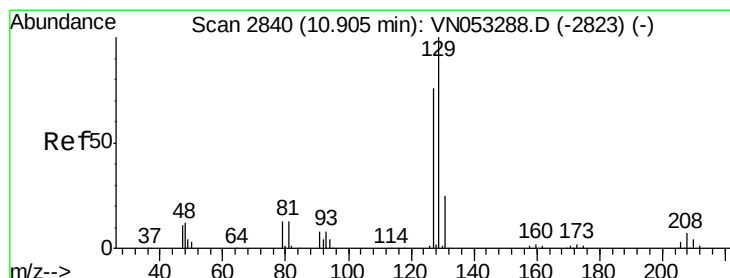
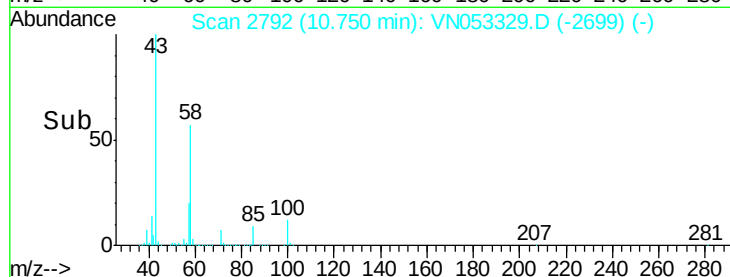
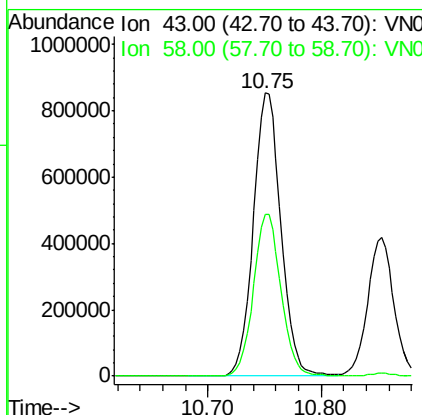
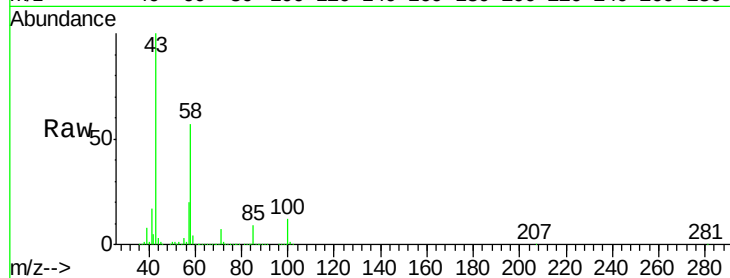




#59
2-Hexanone
Concen: 253.149 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

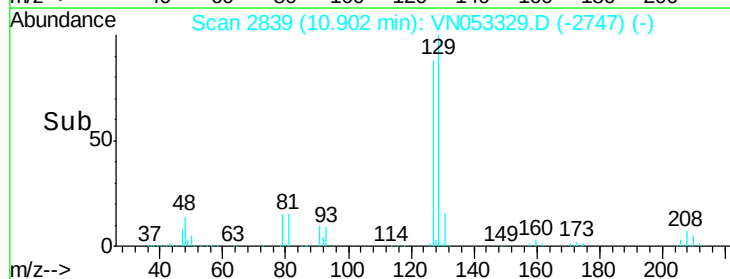
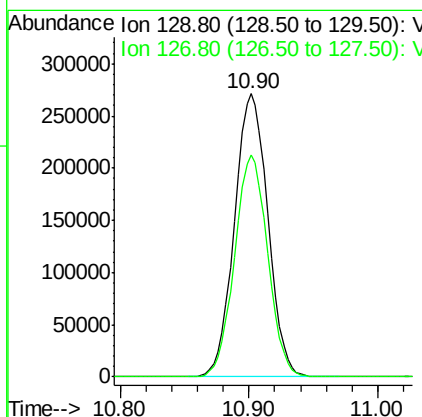
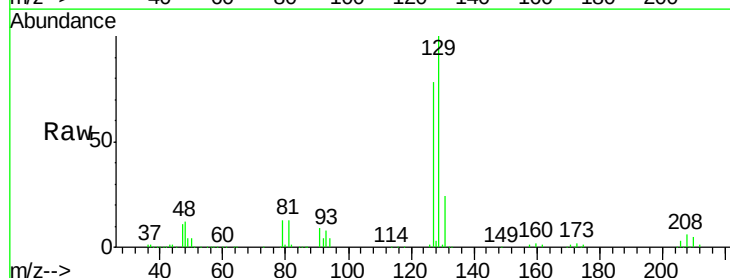
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

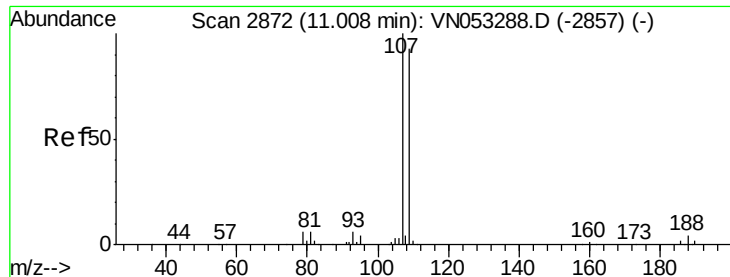
Tot Ion: 43 Resp: 1443638
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0



#60
Dibromochloromethane
Concen: 50.845 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 129 Resp: 488089
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 51.046 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

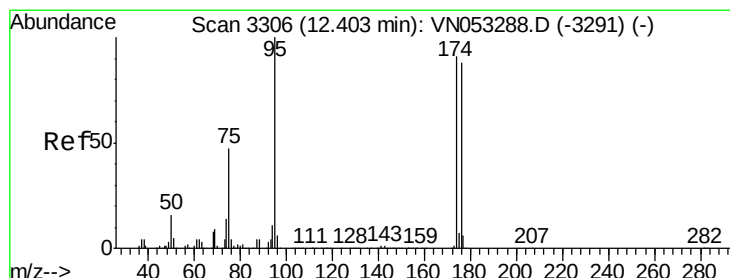
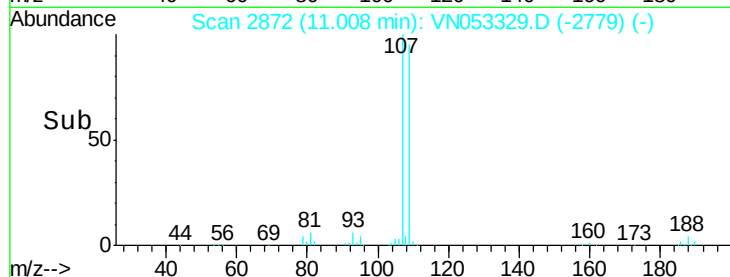
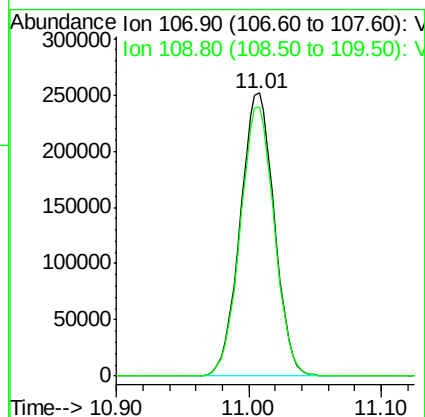
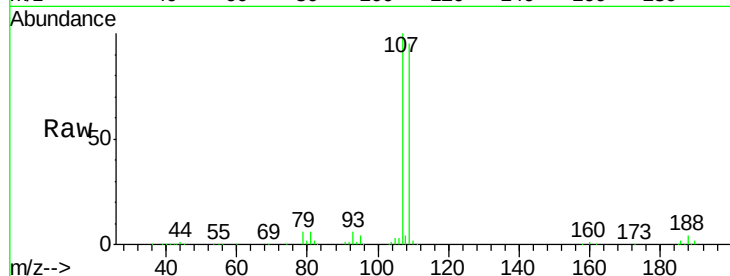
VSTDCCC050EC

Tot Ion:107 Resp: 448334

Ion Ratio Lower Upper

107 100

109 95.4 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 51.046 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

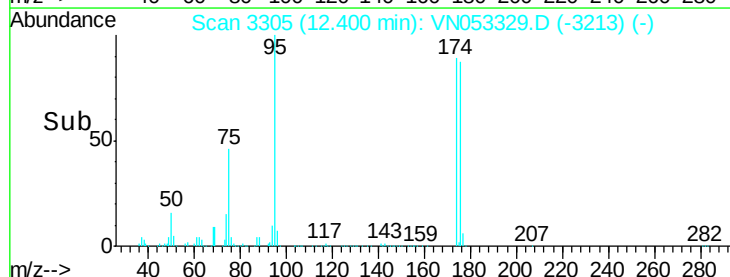
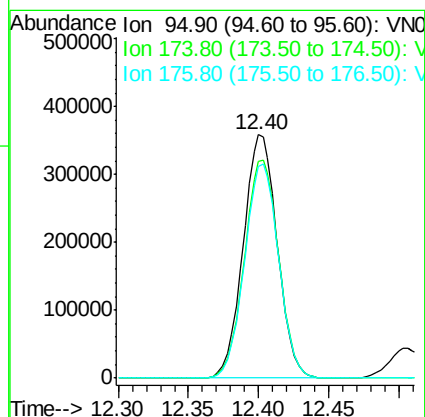
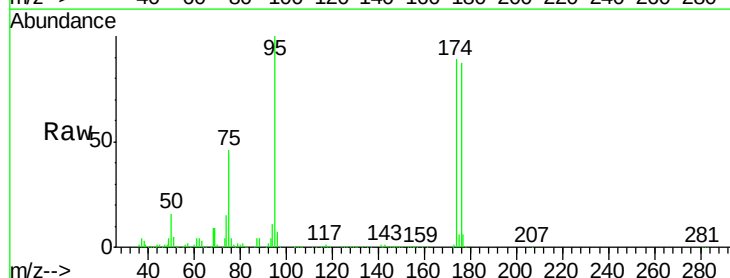
Tgt Ion: 95 Resp: 604566

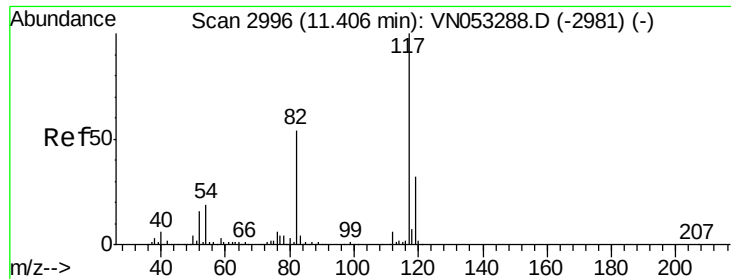
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

176 88.3 0.0 175.6

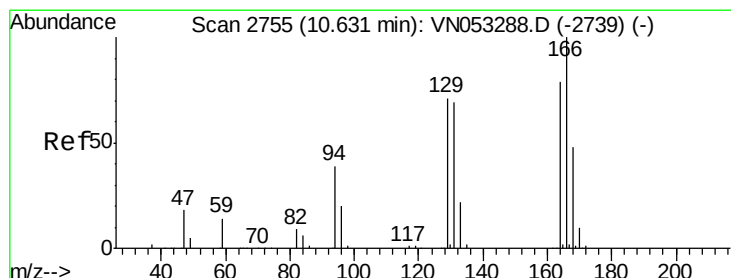
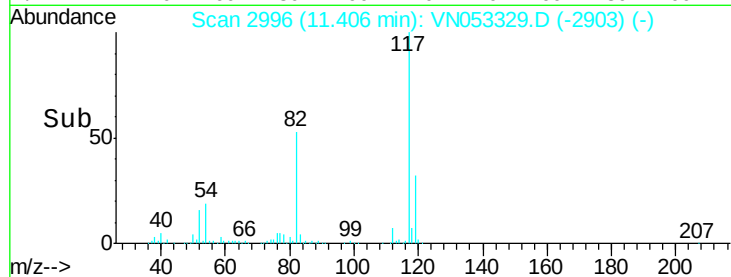
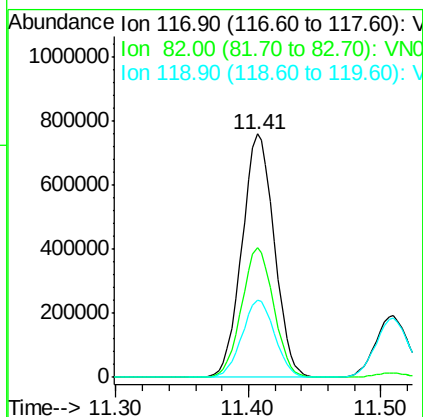
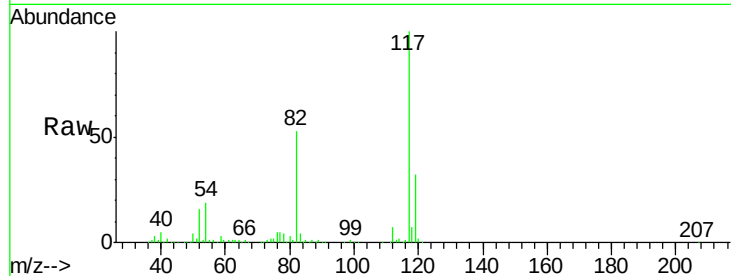




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

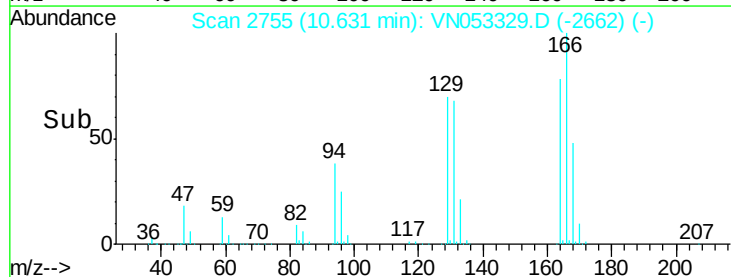
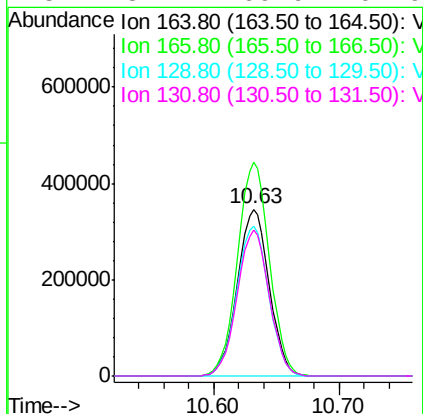
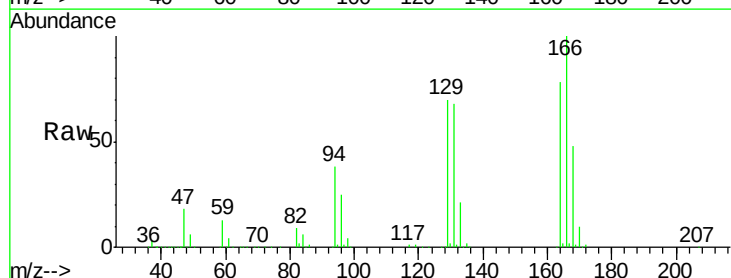
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

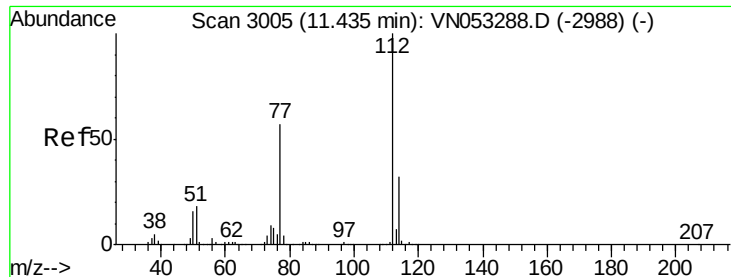
Tot Ion:117 Resp: 1283440
Ion Ratio Lower Upper
117 100
82 53.2 42.9 64.3
119 31.9 25.6 38.4



#64
Tetrachloroethene
Concen: 50.438 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:164 Resp: 609278
Ion Ratio Lower Upper
164 100
166 127.9 101.7 152.5
129 90.0 72.1 108.1
131 87.2 69.9 104.9

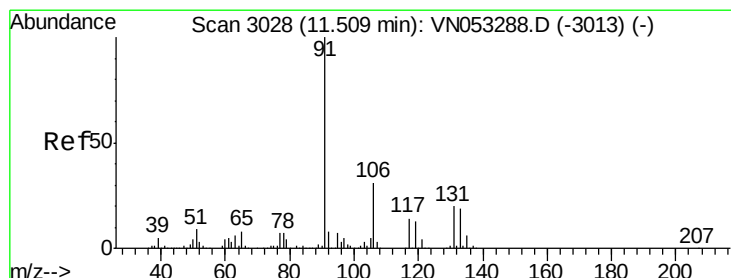
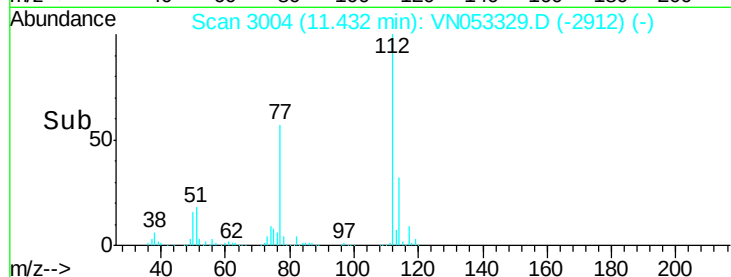
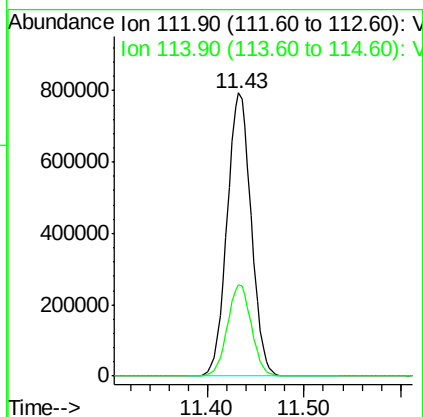
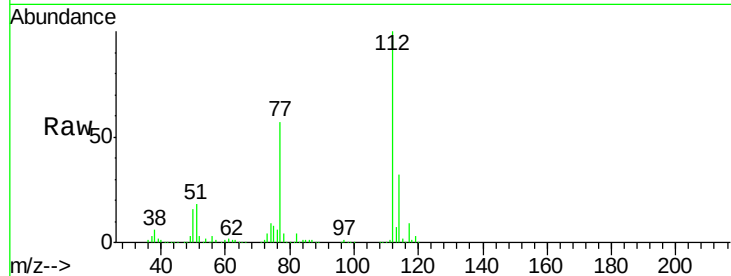




#65
Chlorobenzene
Concen: 49.084 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

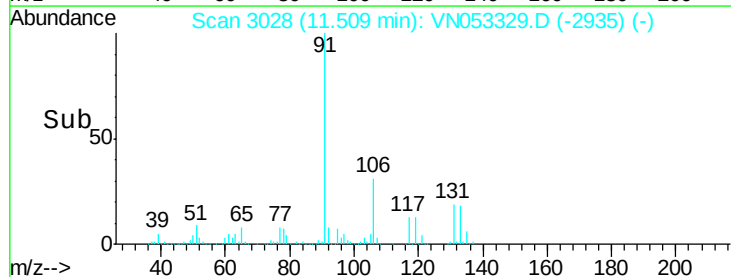
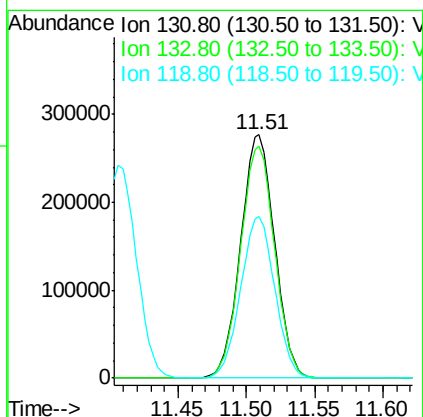
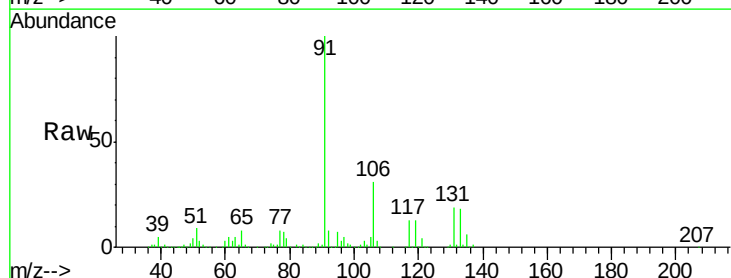
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

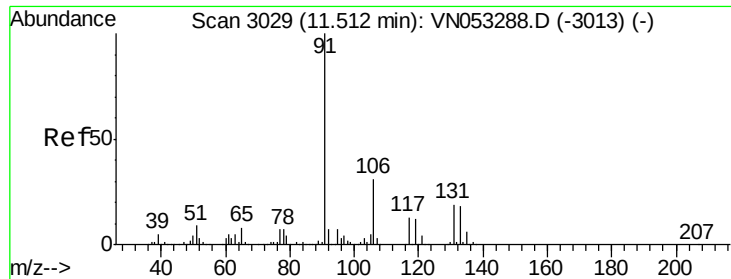
Tot Ion:112 Resp: 1368511
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 49.059 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:131 Resp: 478758
Ion Ratio Lower Upper
131 100
133 95.9 48.0 144.0
119 66.6 33.3 99.9

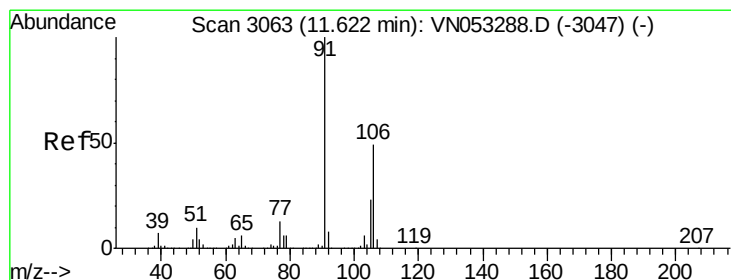
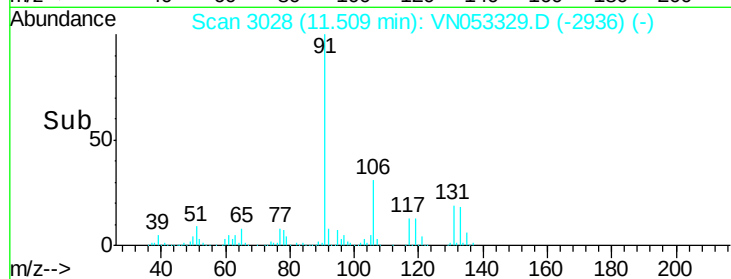
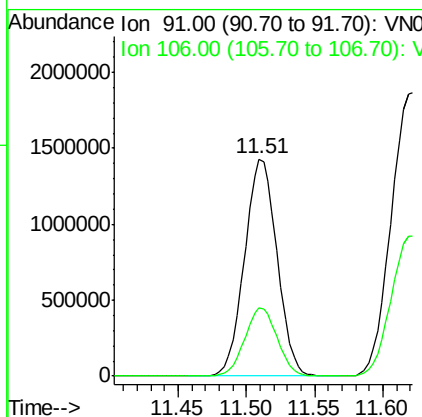
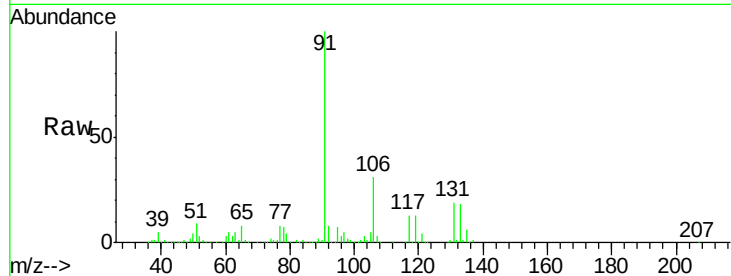




#67
Ethyl Benzene
Concen: 49.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

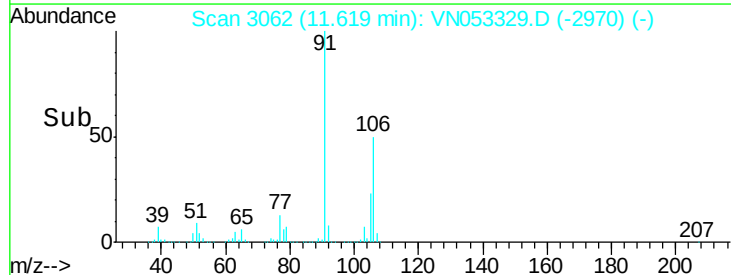
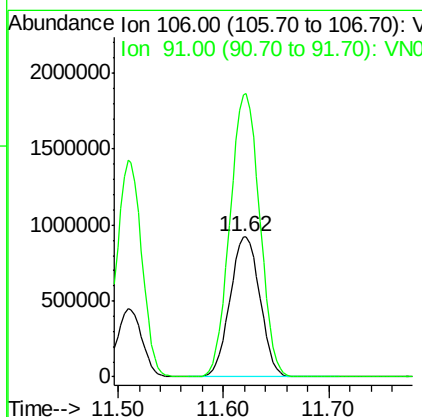
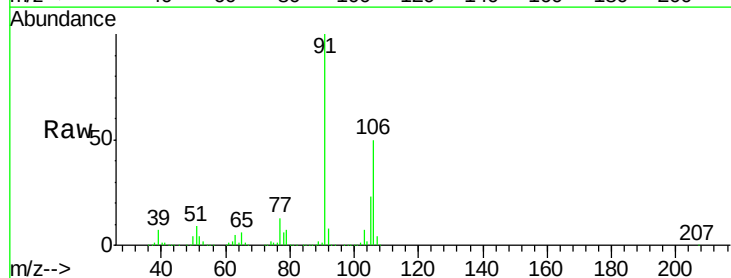
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

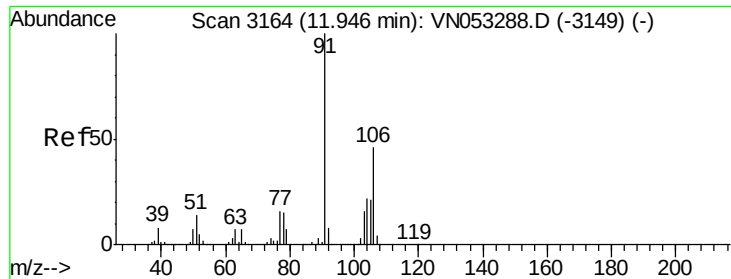
Tot Ion: 91 Resp: 2360596
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4



#68
m/p-Xylenes
Concen: 101.499 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion: 106 Resp: 1808169
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2

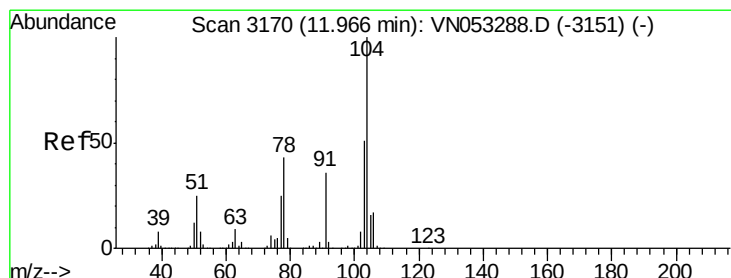
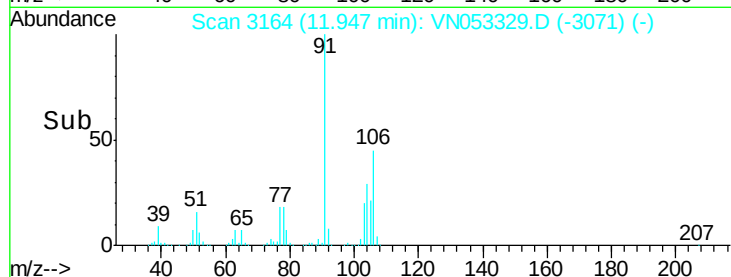
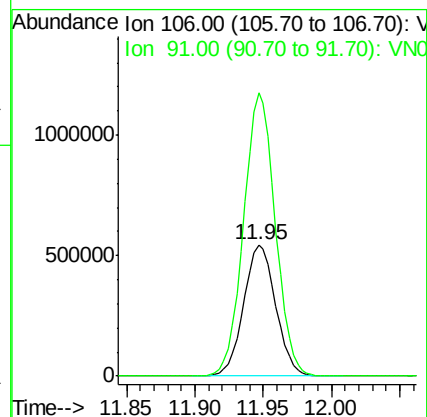
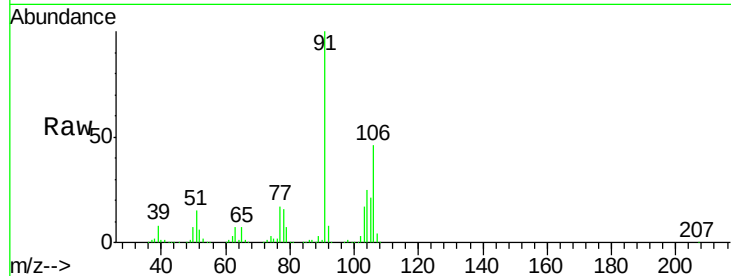




#69
o-Xylene
Concen: 50.675 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

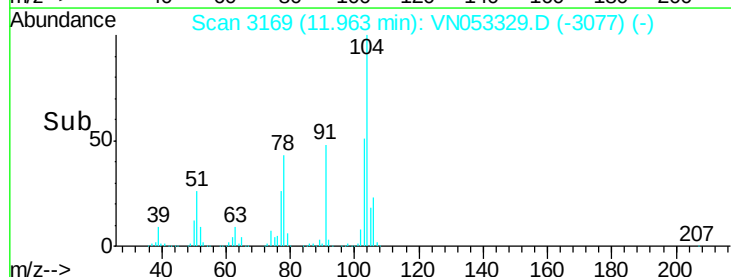
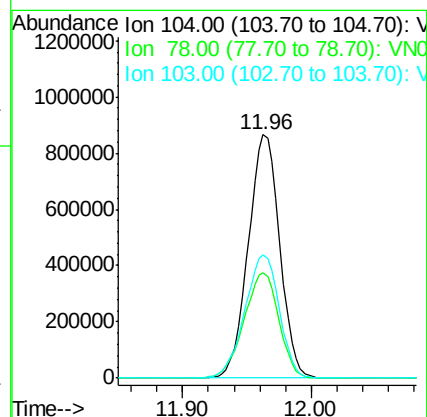
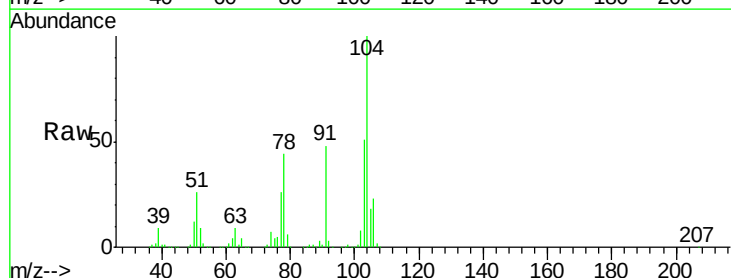
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

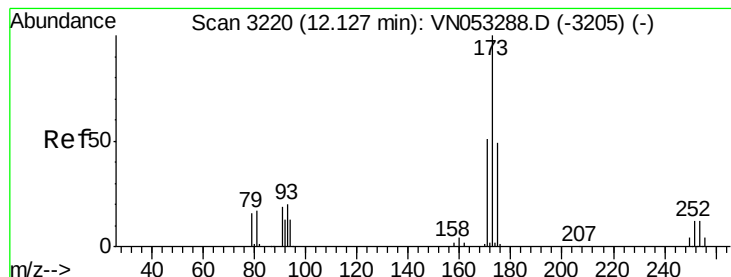
Tot Ion:106 Resp: 883806
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4



#70
Styrene
Concen: 51.829 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053329.D
Acq: 9 Jan 2019 19:19

Tgt Ion:104 Resp: 1471155
Ion Ratio Lower Upper
104 100
78 48.0 38.5 57.7
103 55.6 44.5 66.7





#71

Bromoform

Concen: 50.177 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

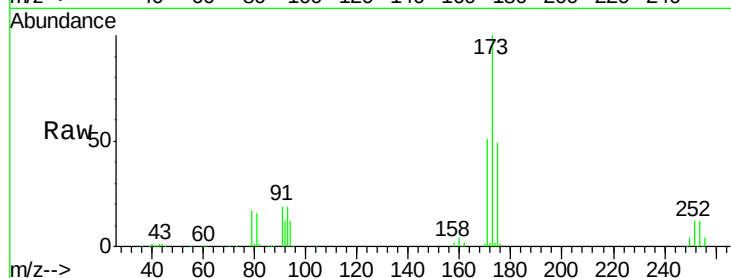
Tot Ion:173 Resp: 345868

Ion Ratio Lower Upper

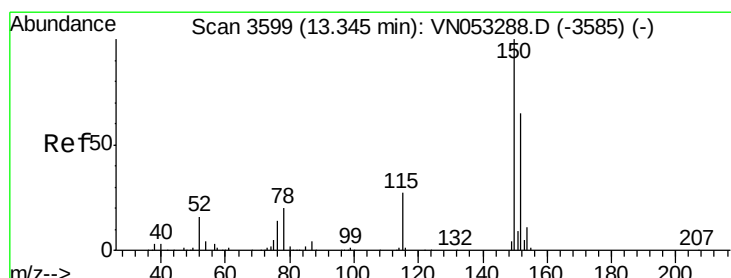
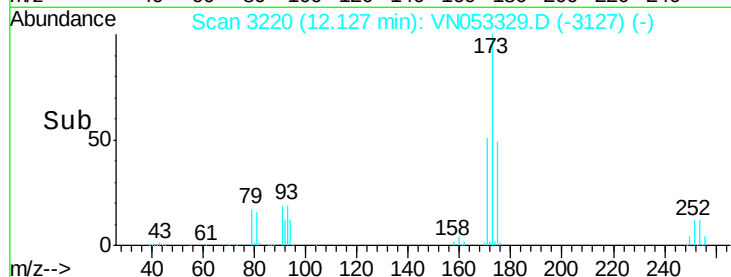
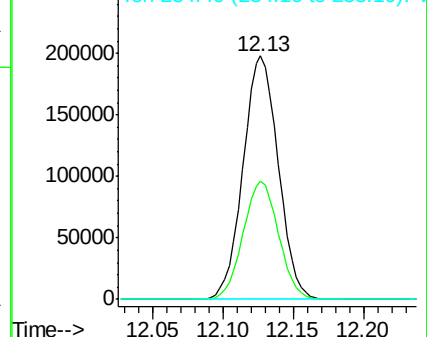
173 100

175 48.9 24.3 72.8

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

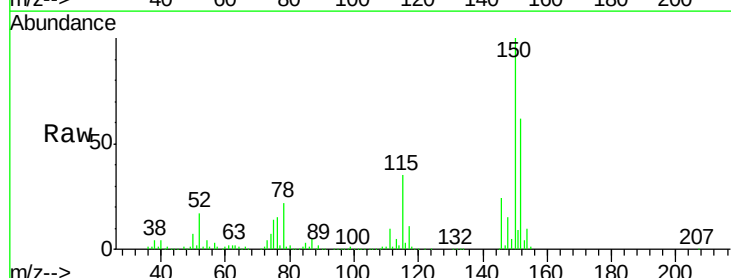
Tgt Ion:152 Resp: 603146

Ion Ratio Lower Upper

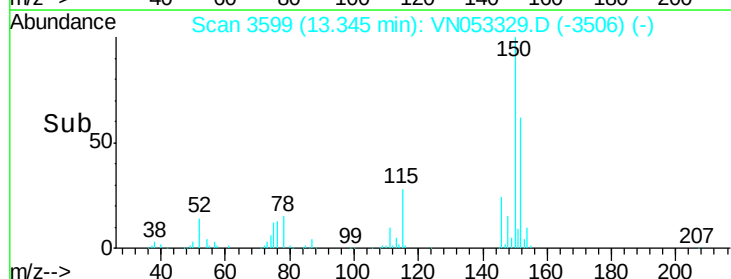
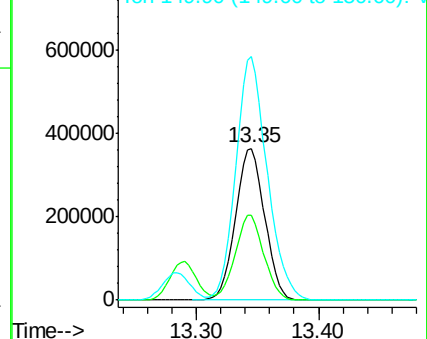
152 100

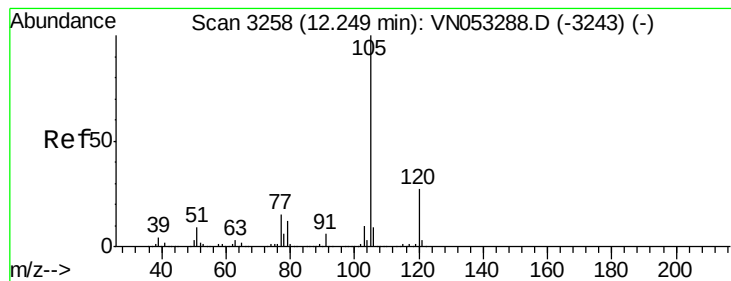
115 55.0 28.0 84.0

150 172.7 0.0 346.6



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





#73

Isopropylbenzene

Concen: 52.390 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

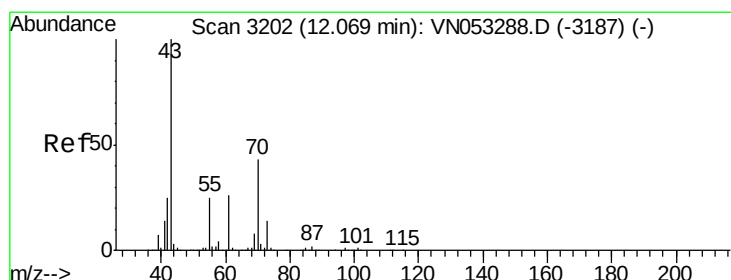
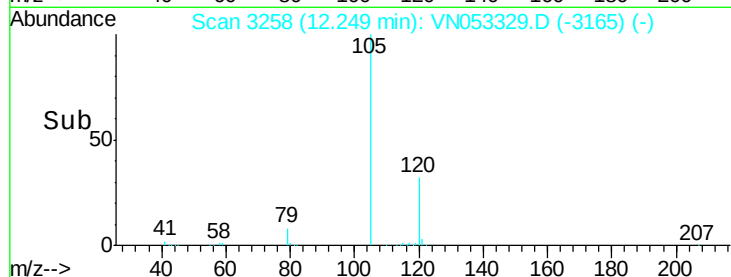
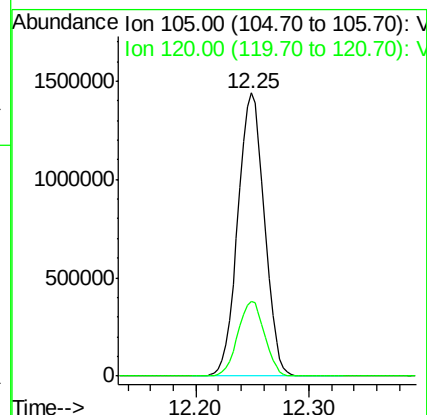
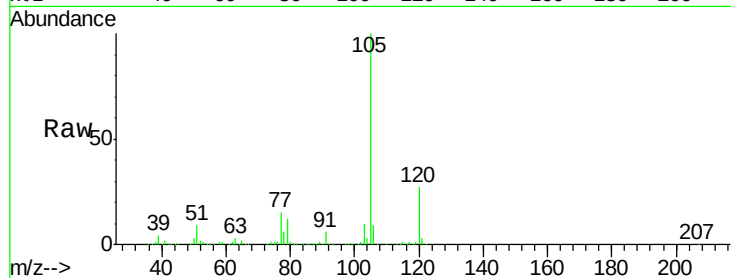
VSTDCCC050EC

Tot Ion:105 Resp: 2352626

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 51.591 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion: 43 Resp: 691801

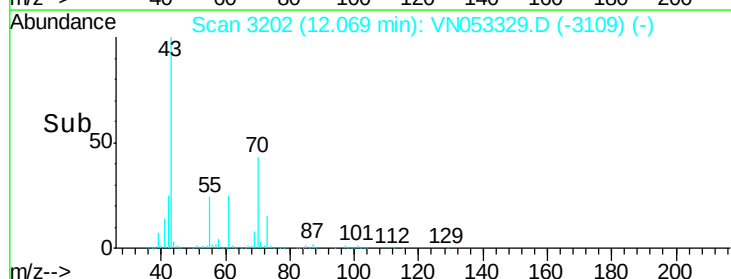
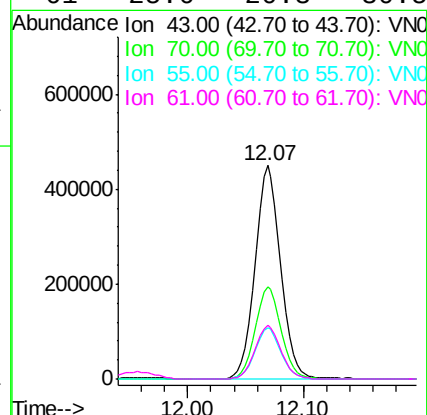
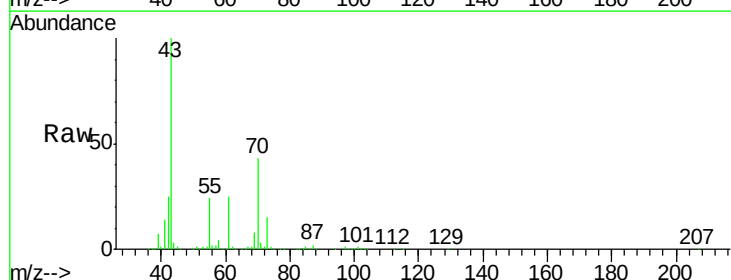
Ion Ratio Lower Upper

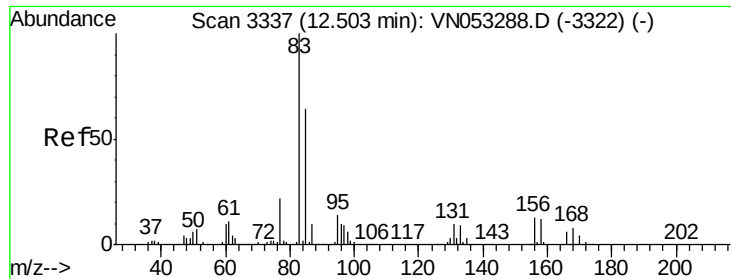
43 100

70 44.1 35.0 52.6

55 24.6 20.0 30.0

61 25.6 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.050 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

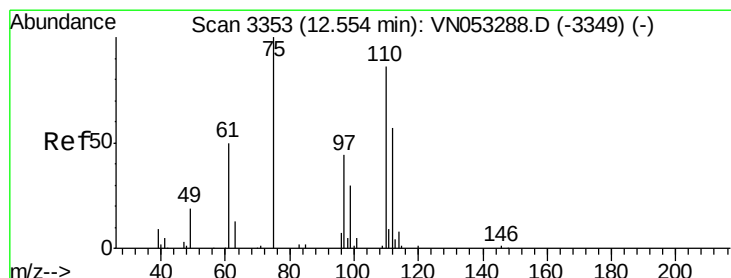
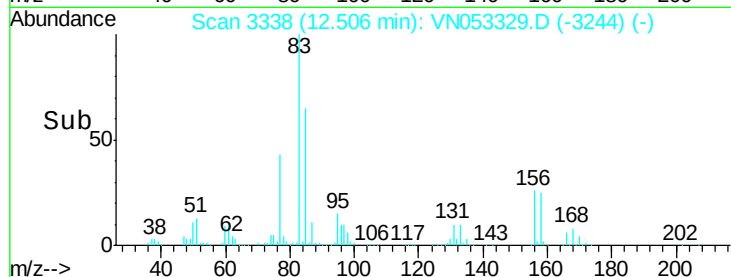
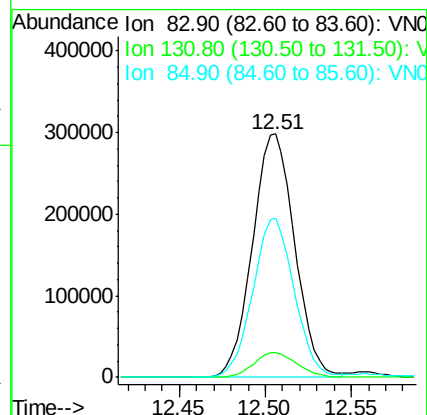
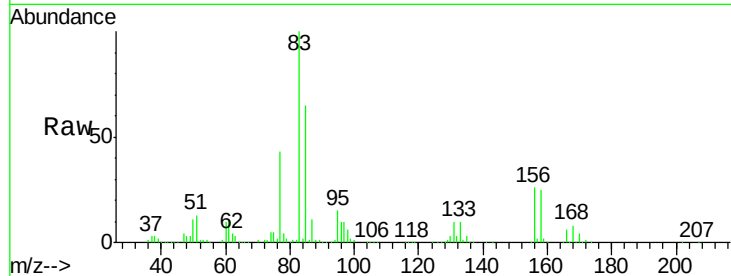
Tot Ion: 83 Resp: 506678

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

85 64.0 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 79.357 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053329.D

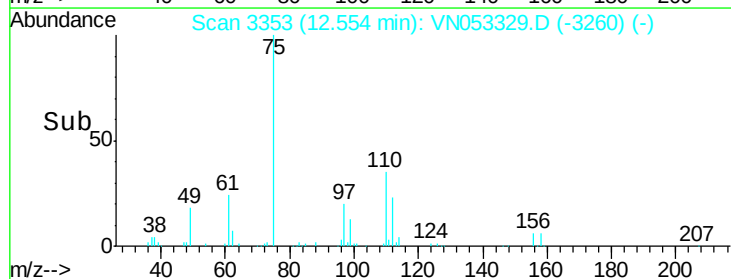
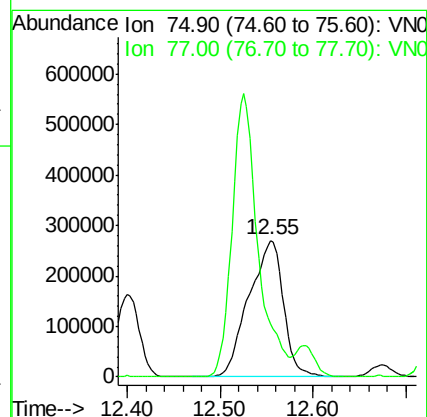
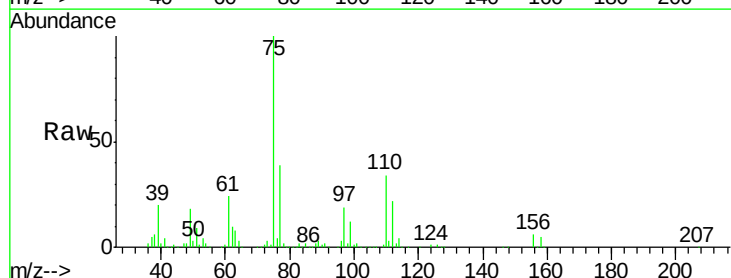
Acq: 9 Jan 2019 19:19

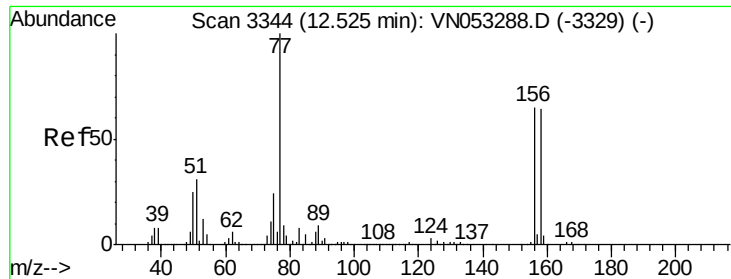
Tgt Ion: 75 Resp: 698117

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 51.059 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

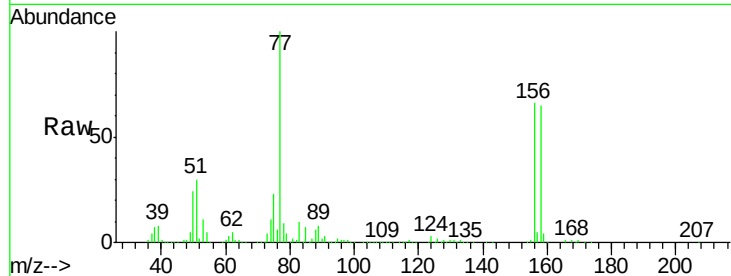
Tot Ion:156 Resp: 611953

Ion Ratio Lower Upper

156 100

77 178.2 89.3 268.1

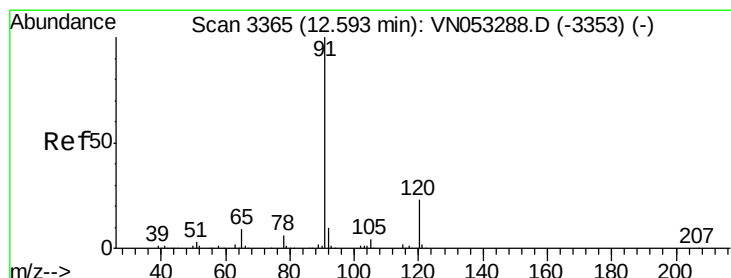
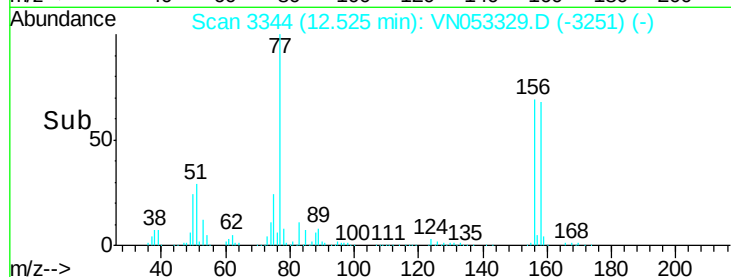
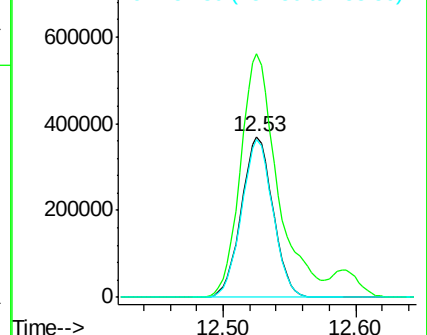
158 97.5 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.015 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053329.D

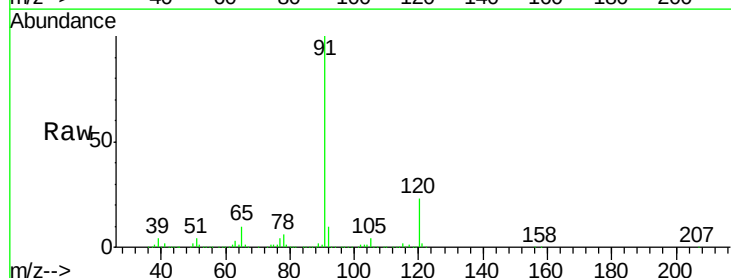
Acq: 9 Jan 2019 19:19

Tgt Ion: 91 Resp: 2692918

Ion Ratio Lower Upper

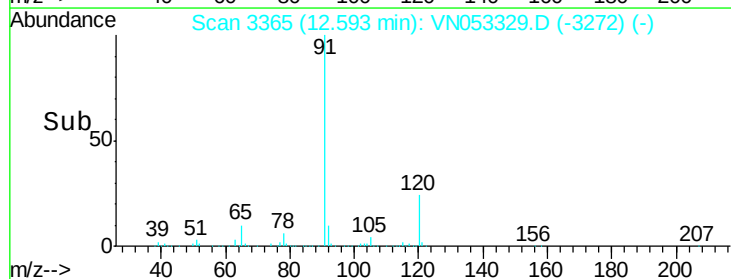
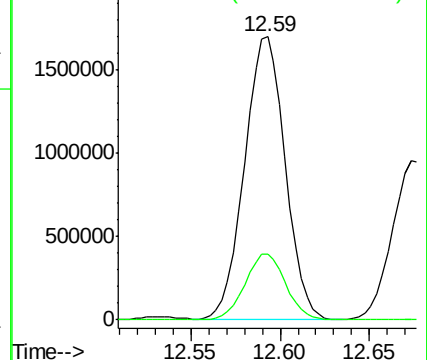
91 100

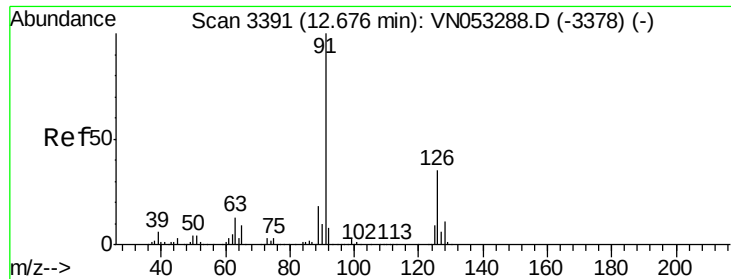
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.098 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

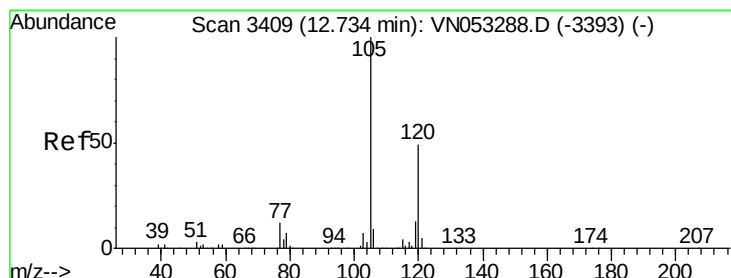
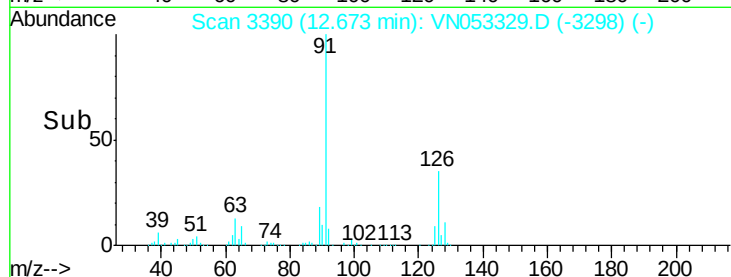
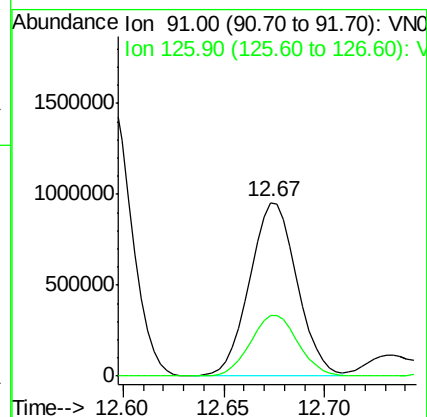
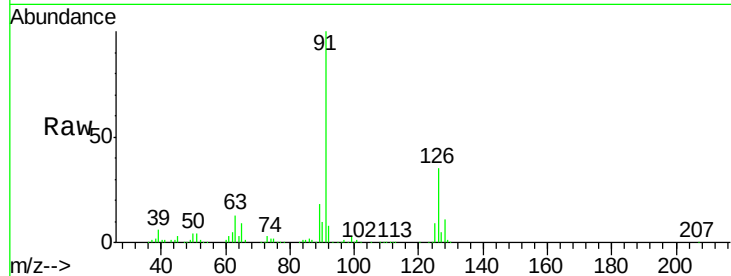
VSTDCCC050EC

Tot Ion: 91 Resp: 1570527

Ion Ratio Lower Upper

91 100

126 35.5 17.5 52.5



#80

1,3,5-Trimethylbenzene

Concen: 53.088 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053329.D

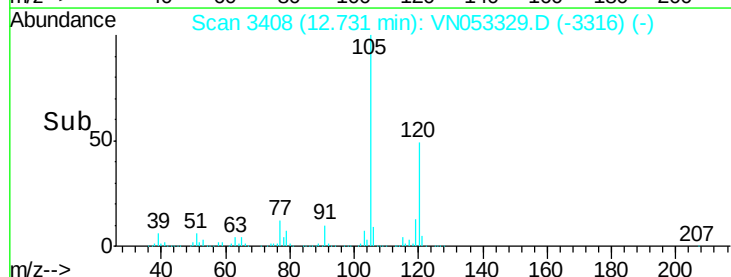
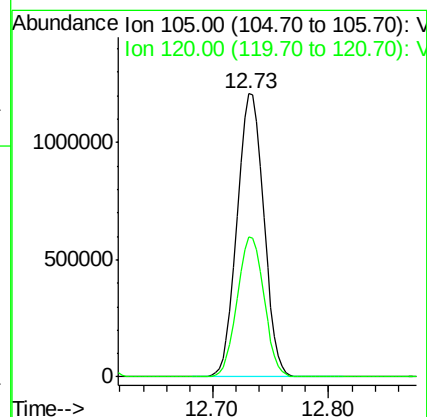
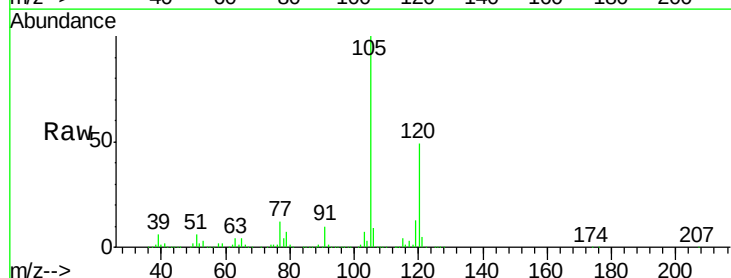
Acq: 9 Jan 2019 19:19

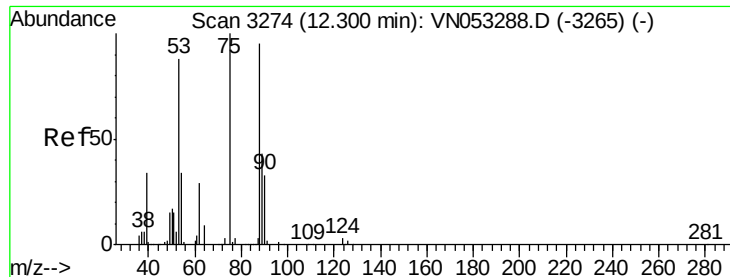
Tgt Ion: 105 Resp: 1920281

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 52.374 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

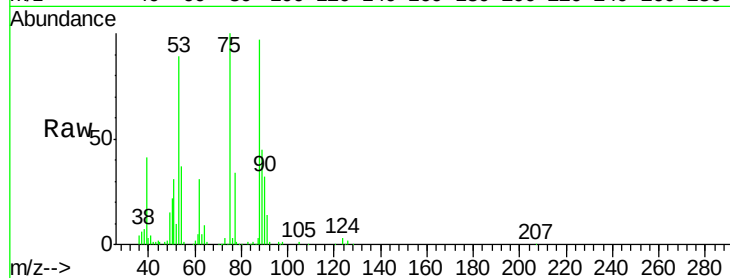
Tot Ion: 75 Resp: 156601

Ion Ratio Lower Upper

75 100

53 89.9 70.5 105.7

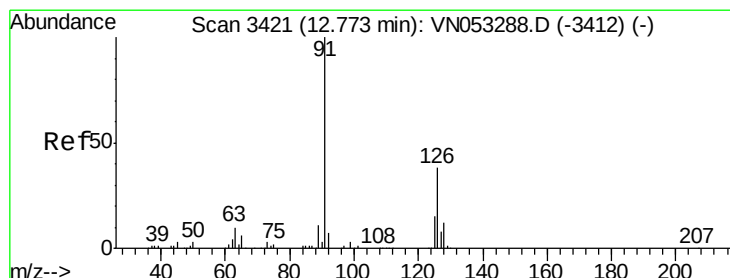
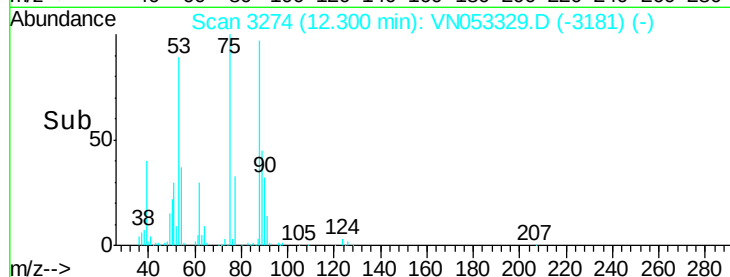
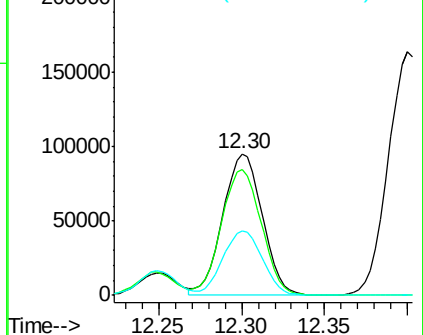
89 46.0 35.4 53.0



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: 50.736 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053329.D

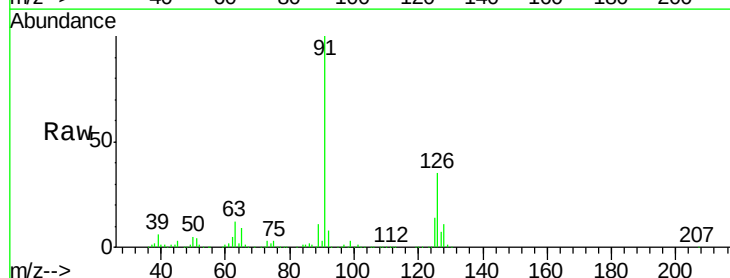
Acq: 9 Jan 2019 19:19

Tgt Ion: 91 Resp: 1599013

Ion Ratio Lower Upper

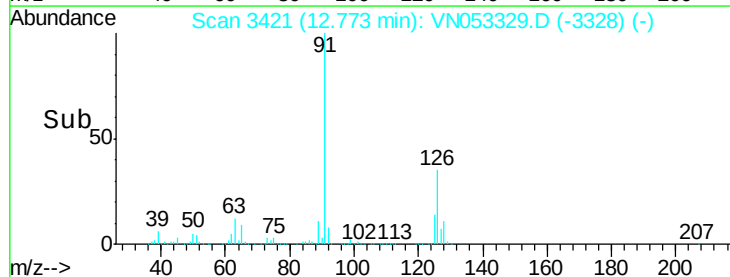
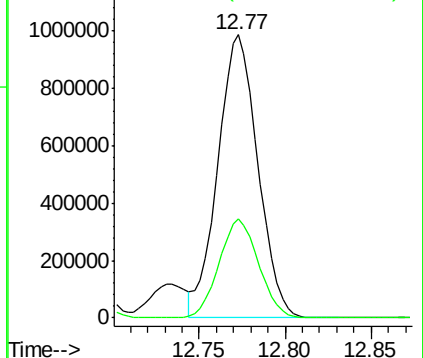
91 100

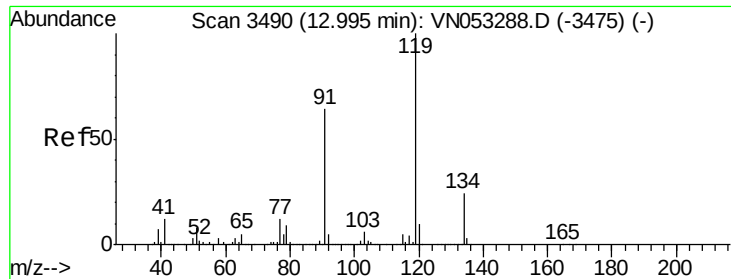
126 34.6 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

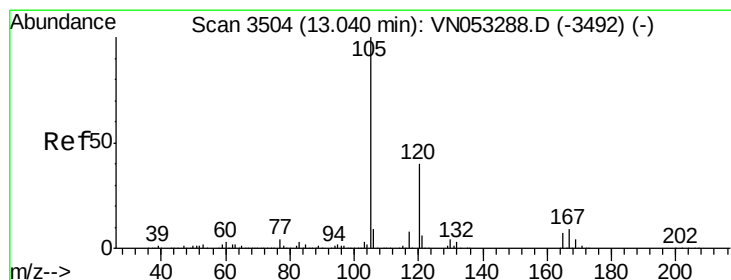
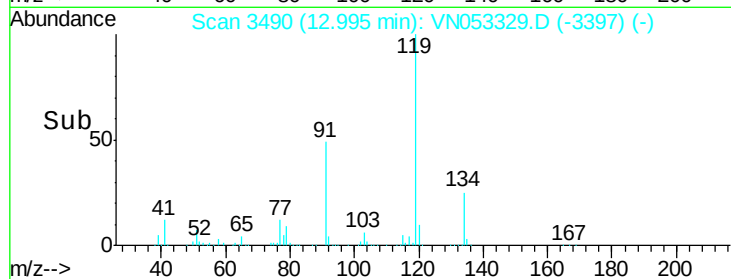
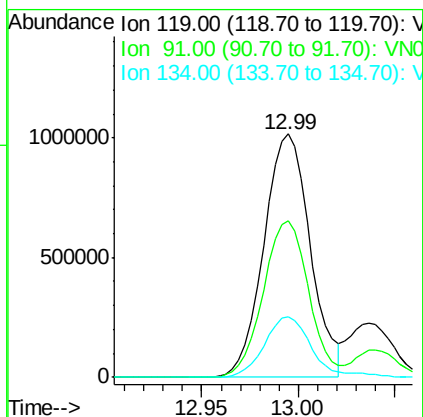
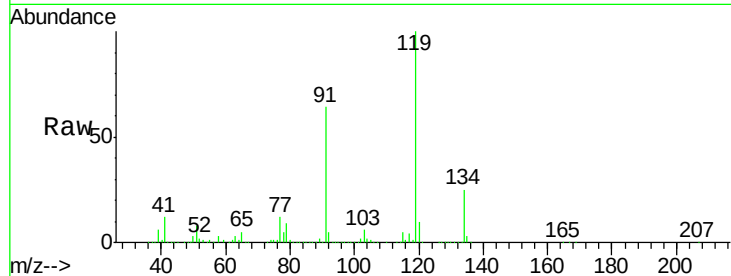




#83
 tert-Butylbenzene
 Concen: 53.407 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

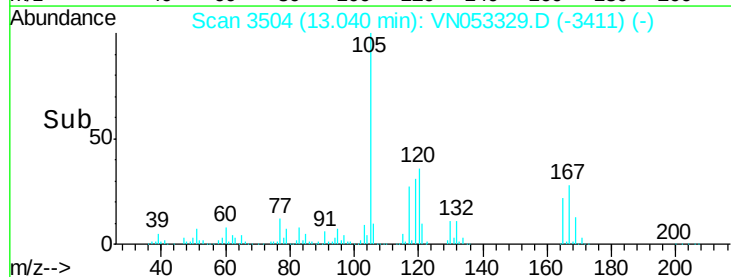
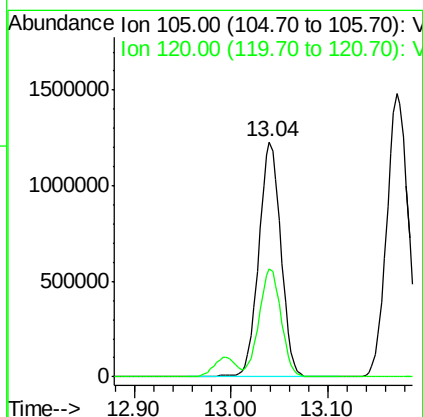
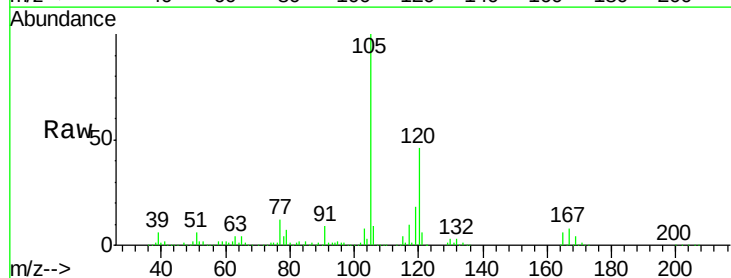
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

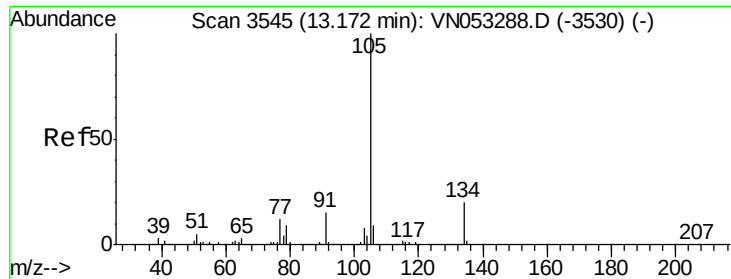
Tot Ion:119 Resp: 1694940
 Ion Ratio Lower Upper
 119 100
 91 63.1 31.6 95.0
 134 25.6 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 52.770 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion:105 Resp: 1944584
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 54.815 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

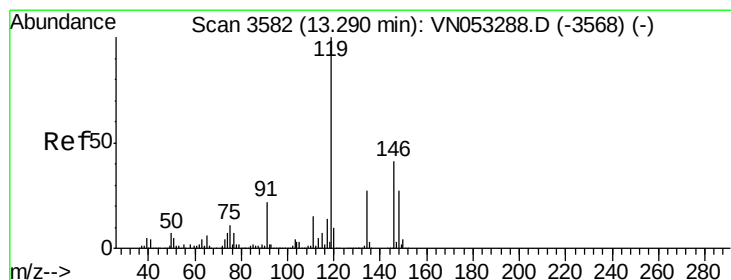
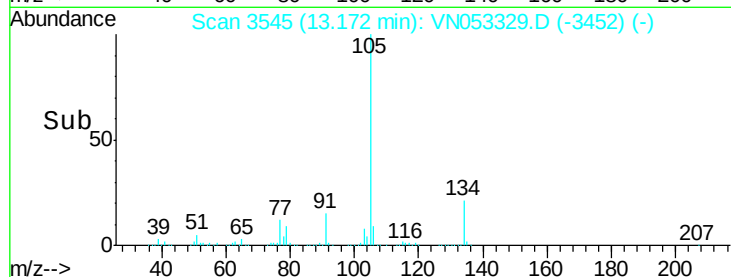
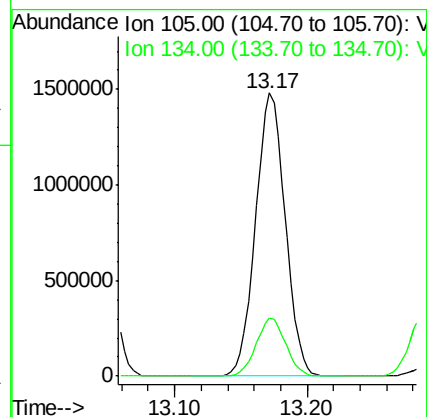
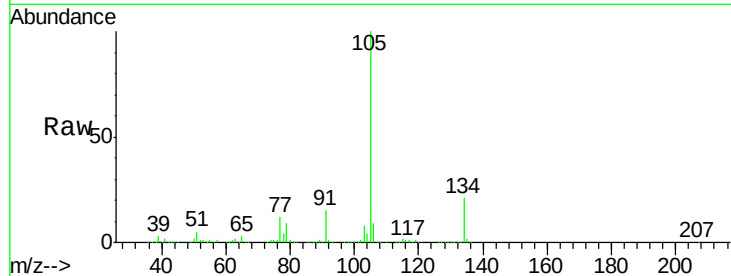
VSTDCCC050EC

Tot Ion:105 Resp: 2294209

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 55.317 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

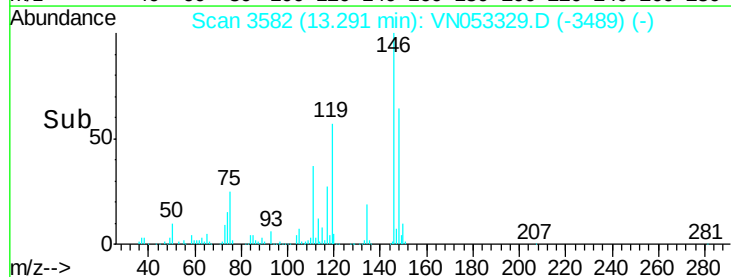
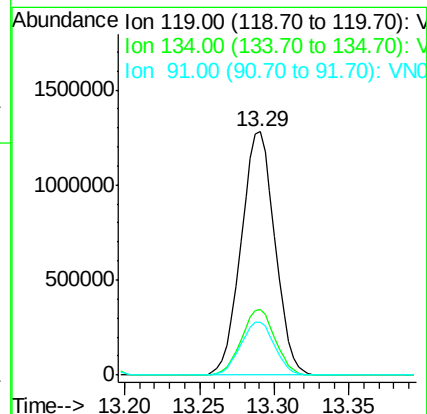
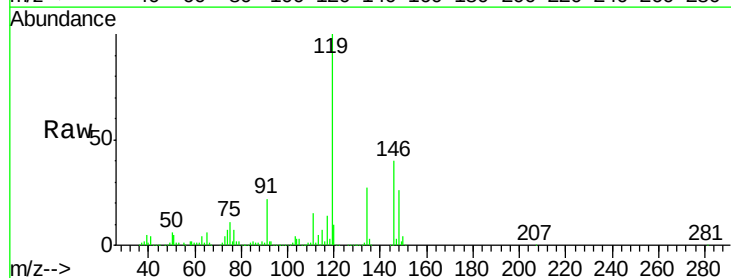
Tgt Ion:119 Resp: 2004528

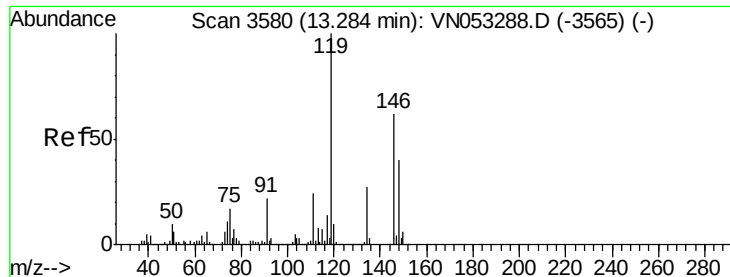
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 22.0 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 49.500 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

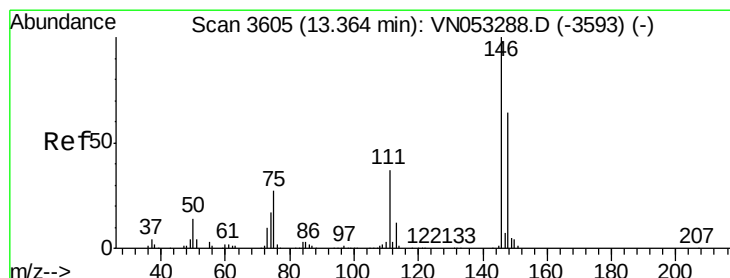
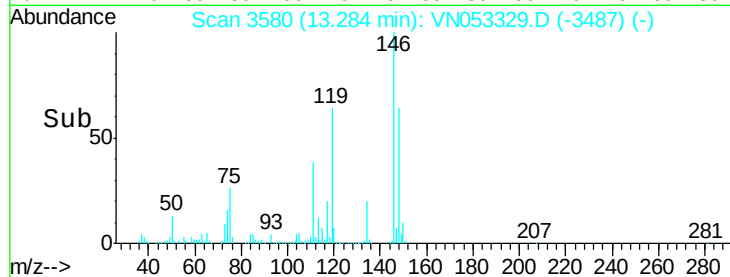
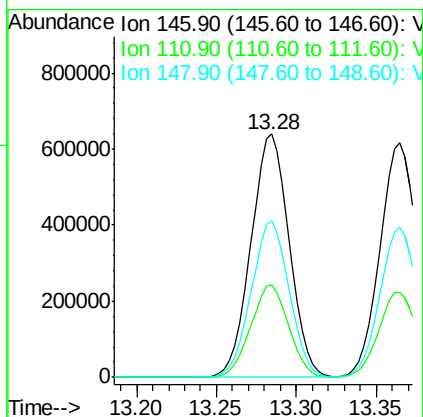
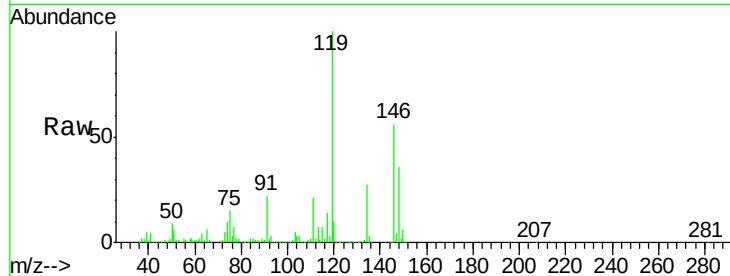
Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 1044738

Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	63.9	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 48.488 ug/l

RT: 13.36 min Scan# 3605

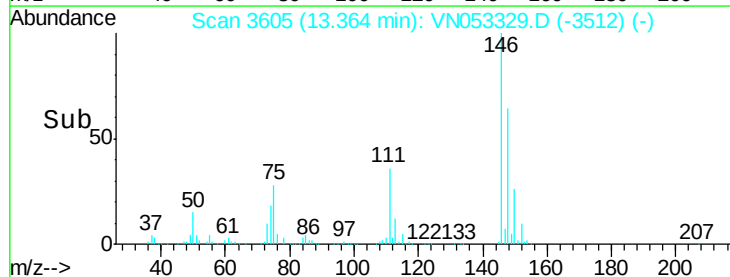
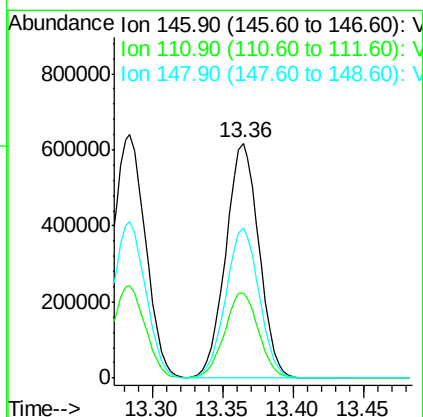
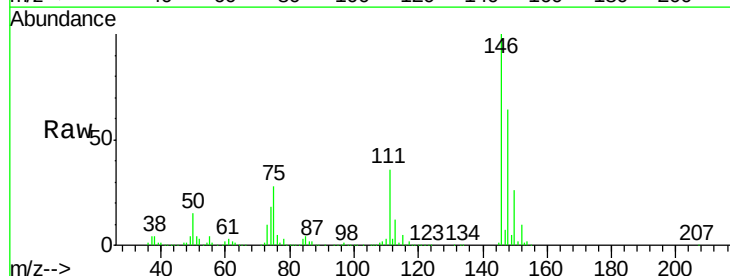
Delta R.T. 0.00 min

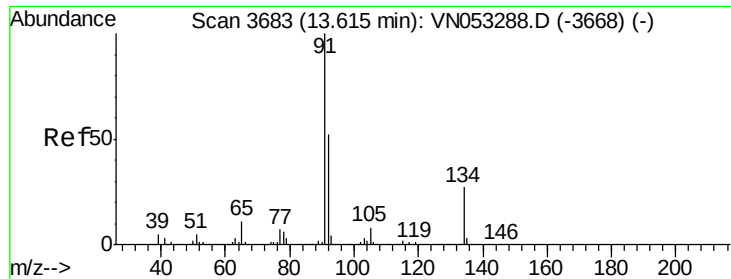
Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Tgt Ion:146 Resp: 1015172

Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.8
148	64.3	32.0	96.0





#89

n-Butylbenzene

Concen: 55.193 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

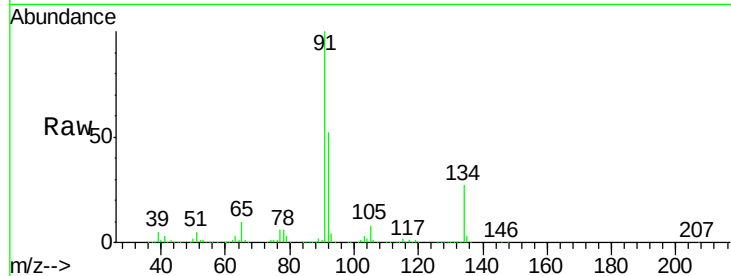
Tot Ion: 91 Resp: 1676831

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.8

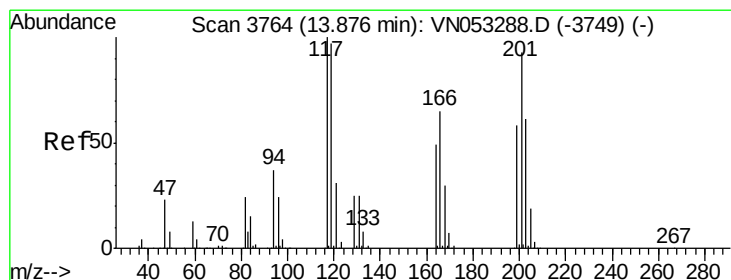
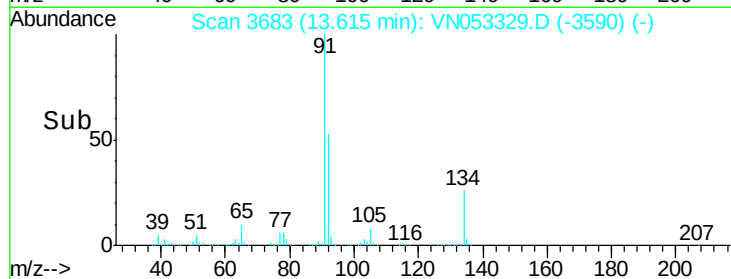
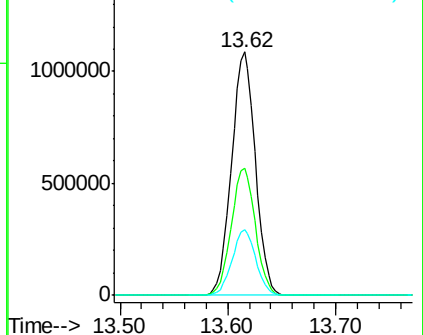
134 26.8 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN053288.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053288.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053288.D (-3668) (-)



#90

Hexachloroethane

Concen: 52.298 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053329.D

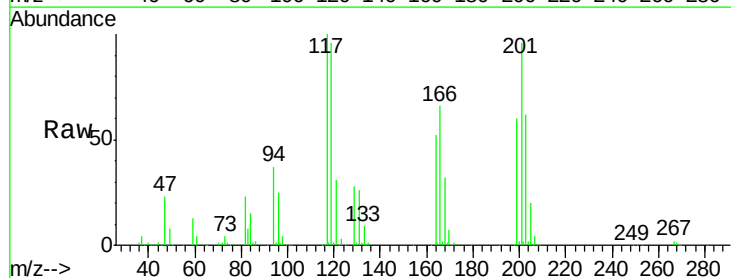
Acq: 9 Jan 2019 19:19

Tgt Ion: 117 Resp: 303753

Ion Ratio Lower Upper

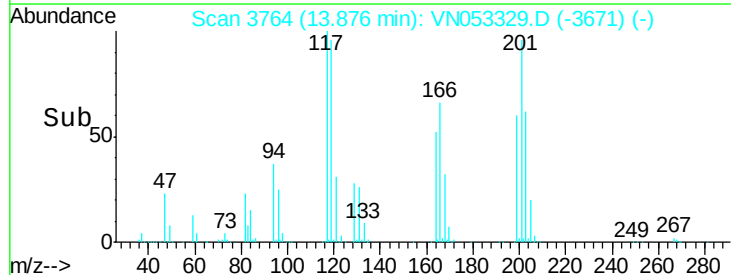
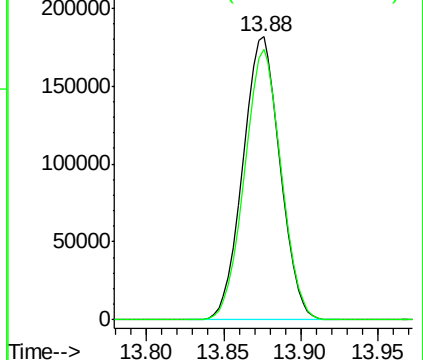
117 100

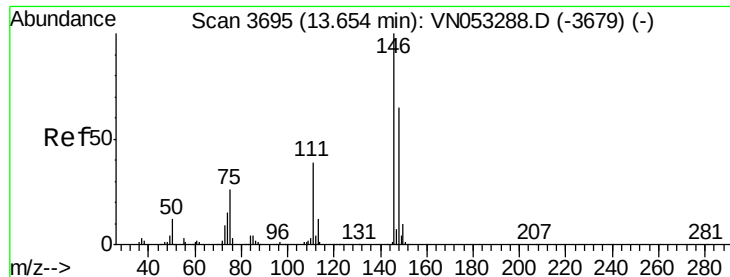
201 94.4 46.1 138.3



Abundance Ion 116.80 (116.50 to 117.50): VN053288.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053288.D (-3749) (-)

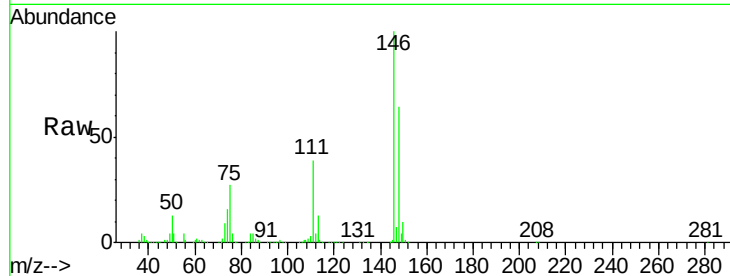




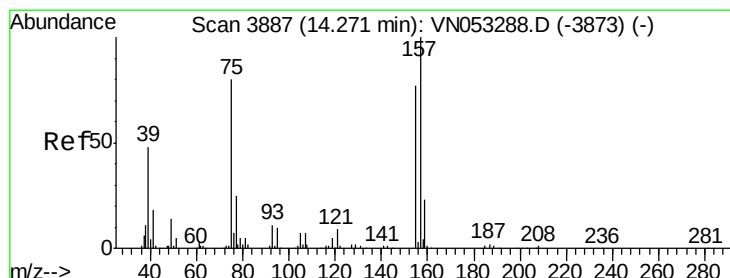
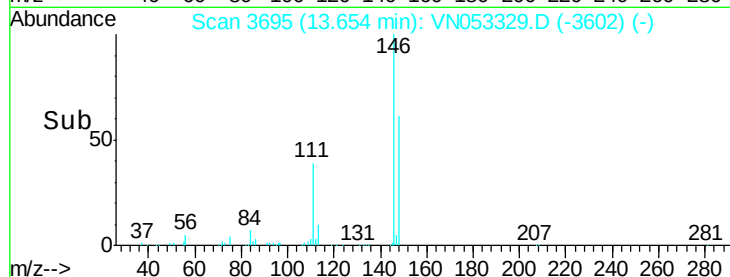
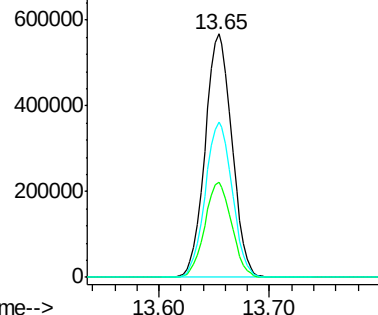
#91
 1,2-Dichlorobenzene
 Concen: 48.325 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.2
148	64.1	32.2	96.6

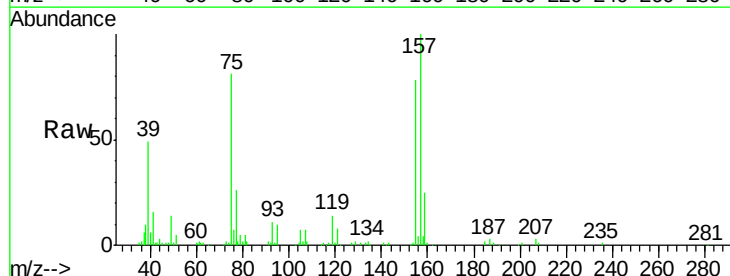


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

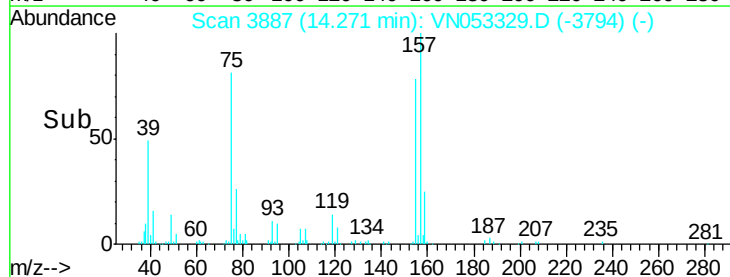
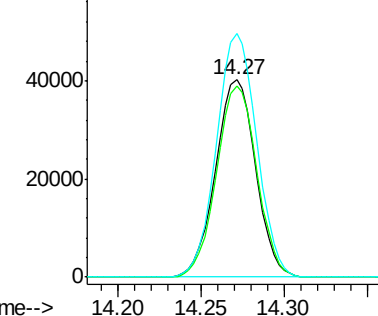


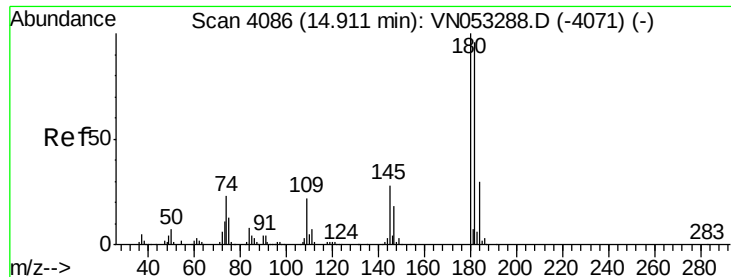
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.102 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.1	144.3
157	123.4	61.5	184.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

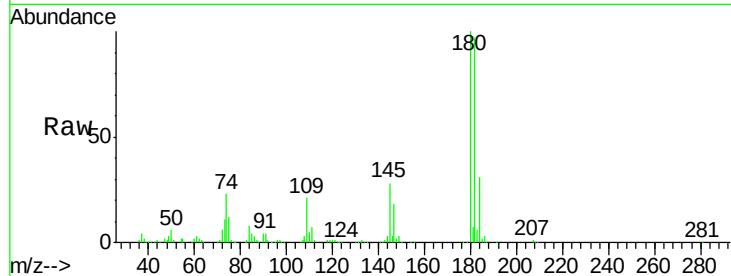




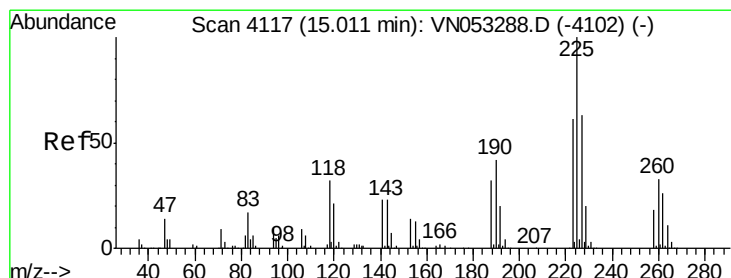
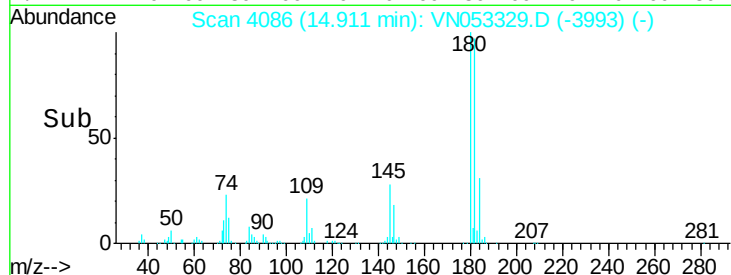
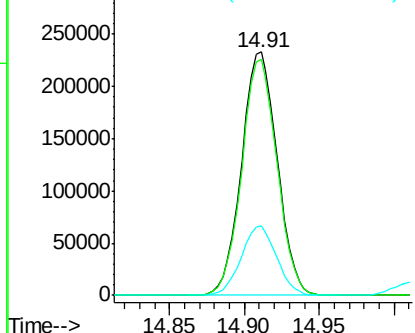
#93
 1,2,4-Trichlorobenzene
 Concen: 62.157 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 386382
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 28.4 14.4 43.0

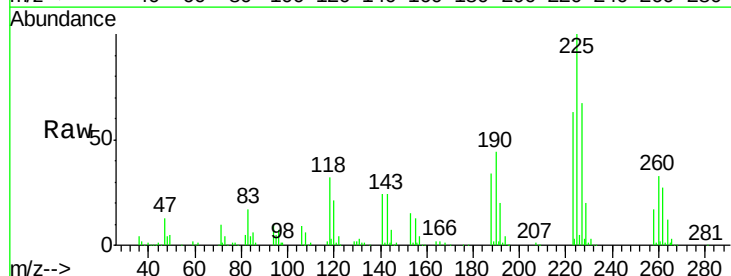


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

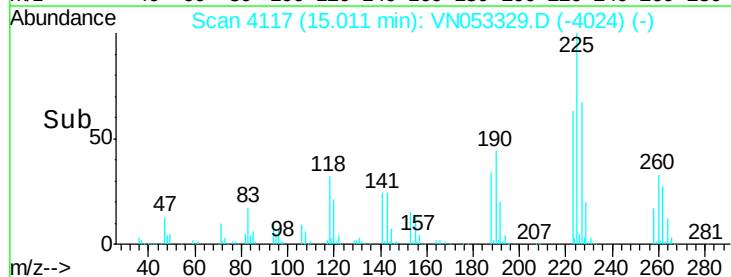
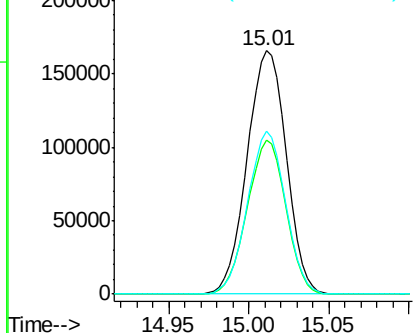


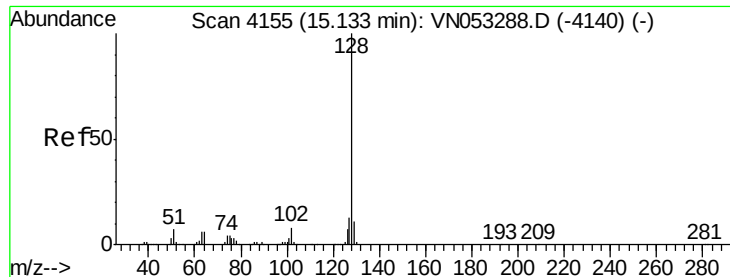
#94
 Hexachlorobutadiene
 Concen: 54.657 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053329.D
 Acq: 9 Jan 2019 19:19

Tgt Ion:225 Resp: 277899
 Ion Ratio Lower Upper
 225 100
 223 62.1 30.9 92.8
 227 64.7 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 67.318 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

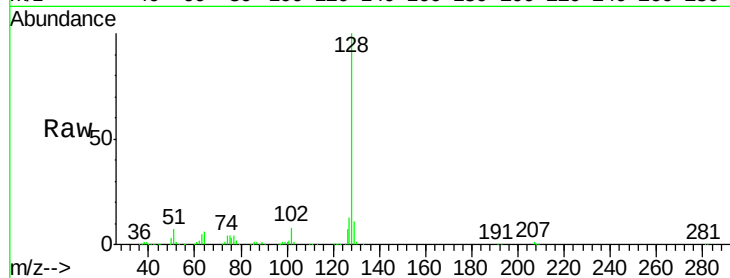
Tot Ion:128 Resp: 713873

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

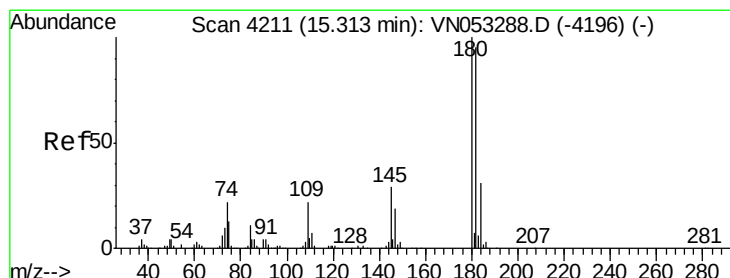
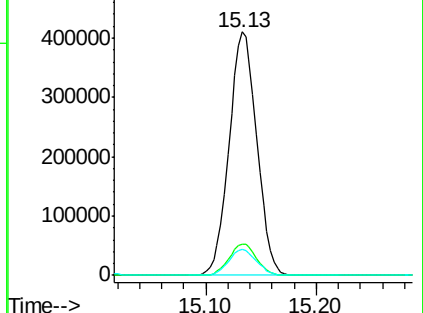
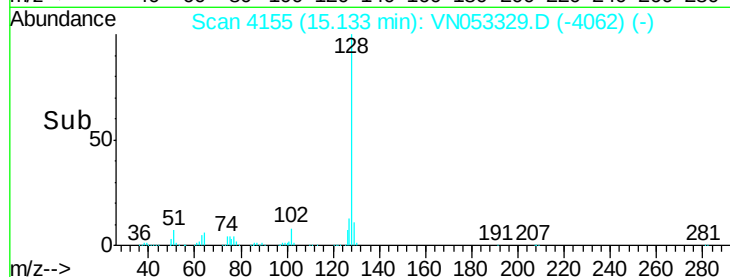
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 68.794 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053329.D

Acq: 9 Jan 2019 19:19

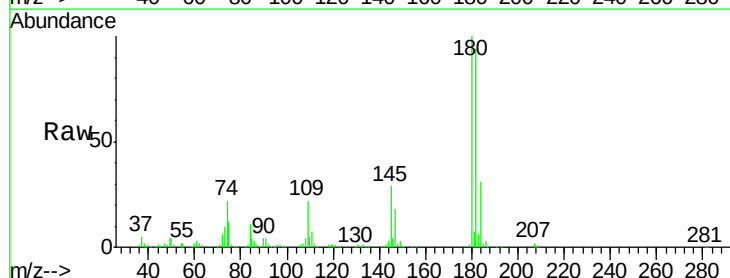
Tgt Ion:180 Resp: 279979

Ion Ratio Lower Upper

180 100

182 94.7 48.4 145.0

145 29.5 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

