

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122718\
 Data File : VN053209.D
 Acq On : 27 Dec 2018 15:10
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 28 00:48:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	941733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1412116	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1289529	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	596959	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	496339	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
35) Dibromofluoromethane	7.59	113	433617	67.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	134.44%	
50) Toluene-d8	10.09	98	1851466	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.40	95	665592	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	428054	44.911	ug/l	99
3) Chloromethane	2.06	50	537163	46.509	ug/l	99
4) Vinyl Chloride	2.19	62	539239	46.100	ug/l	99
5) Bromomethane	2.57	94	374063	46.157	ug/l	98
6) Chloroethane	2.71	64	324623	46.859	ug/l	99
7) Trichlorofluoromethane	3.02	101	708885	48.648	ug/l	100
8) Diethyl Ether	3.41	74	267284	48.622	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	468931	50.473	ug/l	98
10) Methyl Iodide	3.95	142	634458	48.628	ug/l	100
11) Tert butyl alcohol	4.77	59	127692	218.981	ug/l	99
12) 1,1-Dichloroethene	3.74	96	432647	48.201	ug/l	98
13) Acrolein	3.61	56	147673	279.294	ug/l	99
14) Allyl chloride	4.33	41	739056	53.156	ug/l	94
15) Acrylonitrile	4.98	53	752708	232.352	ug/l	99
16) Acetone	3.81	43	418595	223.395	ug/l	96
17) Carbon Disulfide	4.06	76	1175283	40.149	ug/l	100
18) Methyl Acetate	4.32	43	426560	50.153	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	1177051	49.002	ug/l	99
20) Methylene Chloride	4.55	84	510943	49.988	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	458593	47.553	ug/l	100
22) Diisopropyl ether	5.95	45	1564926	52.732	ug/l	98
23) Vinyl Acetate	5.89	43	4364043	255.727	ug/l	99
24) 1,1-Dichloroethane	5.85	63	895793	50.796	ug/l	99
25) 2-Butanone	6.83	43	751904	239.104	ug/l	98
26) 2,2-Dichloropropane	6.82	77	690551	51.297	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	547970	50.190	ug/l	98
28) Bromochloromethane	7.19	49	364418	47.689	ug/l	97
29) Tetrahydrofuran	7.21	42	534808	227.708	ug/l	99
30) Chloroform	7.37	83	880938	50.852	ug/l	99
31) Cyclohexane	7.65	56	810090	48.957	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	730727	49.515	ug/l	100
36) 1,1-Dichloropropene	7.79	75	679715	50.149	ug/l	100
37) Ethyl Acetate	6.92	43	362983	47.973	ug/l	100
38) Carbon Tetrachloride	7.77	117	631650	50.844	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	793884	48.216	ug/l	99
40) Benzene	8.04	78	2061679	51.138	ug/l	99
41) Methacrylonitrile	7.17	41	225324	51.540	ug/l	94
42) 1,2-Dichloroethane	8.12	62	594030	49.877	ug/l	98
43) Isopropyl Acetate	8.16	43	679607	46.337	ug/l	97
44) Trichloroethene	8.83	130	569144	48.808	ug/l	96
45) 1,2-Dichloropropane	9.12	63	553745	52.732	ug/l	98
46) Dibromomethane	9.21	93	303143	49.555	ug/l	98
47) Bromodichloromethane	9.40	83	673538	51.797	ug/l	100
48) Methyl methacrylate	9.20	41	349106	47.548	ug/l	98
49) 1,4-Dioxane	9.20	88	84453	909.307	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1764922	240.863	ug/l	99
52) Toluene	10.16	92	1281918	51.300	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	697456	51.007	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	821188	52.321	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	440627	50.543	ug/l	100
56) Ethyl methacrylate	10.43	69	571279	49.509	ug/l	97
57) 1,3-Dichloropropane	10.71	76	759343	50.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1481524	233.871	ug/l	99
59) 2-Hexanone	10.75	43	1221586	246.404	ug/l	100
60) Dibromochloromethane	10.90	129	512824	51.390	ug/l	100
61) 1,2-Dibromoethane	11.00	107	444636	50.219	ug/l	100
64) Tetrachloroethene	10.63	164	614427	43.987	ug/l	99
65) Chlorobenzene	11.43	112	1459452	51.056	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	510185	51.324	ug/l	99
67) Ethyl Benzene	11.51	91	2524111	51.346	ug/l	100
68) m/p-Xylenes	11.62	106	1910909	102.252	ug/l	99
69) o-Xylene	11.95	106	932499	52.000	ug/l	100
70) Styrene	11.96	104	1533430	52.440	ug/l	100
71) Bromoform	12.13	173	344516	47.975	ug/l #	99
73) Isopropylbenzene	12.25	105	2470897	52.902	ug/l	99
74) N-amyl acetate	12.07	43	636287	49.068	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	487695	53.223	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	664892	66.164	ug/l #	100
77) Bromobenzene	12.53	156	635165	52.315	ug/l	98
78) n-propylbenzene	12.59	91	2834123	53.278	ug/l	99
79) 2-Chlorotoluene	12.67	91	1661253	50.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1980329	52.018	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	155093	49.744	ug/l	95
82) 4-Chlorotoluene	12.77	91	1693404	52.464	ug/l	100
83) tert-Butylbenzene	12.99	119	1747592	51.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1988637	51.962	ug/l	100
85) sec-Butylbenzene	13.17	105	2341705	51.419	ug/l	100
86) p-Isopropyltoluene	13.29	119	2038549	51.804	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1090147	50.732	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1072759	49.297	ug/l	100
89) n-Butylbenzene	13.62	91	1698107	50.159	ug/l	100
90) Hexachloroethane	13.87	117	317996	52.659	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	983993	48.655	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64642	40.800	ug/l	99

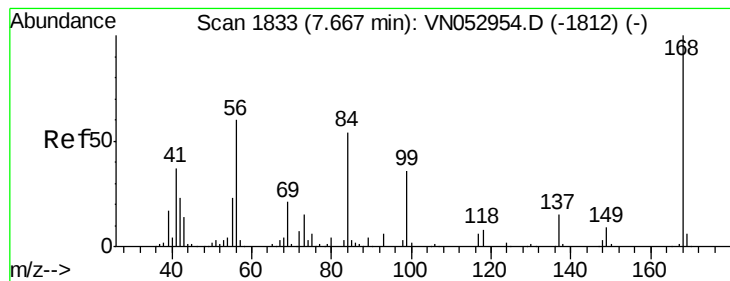
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	481993	45.044	ug/l	100
94) Hexachlorobutadiene	15.01	225	299915	54.308	ug/l	99
95) Naphthalene	15.13	128	943234	40.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	415955	43.180	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

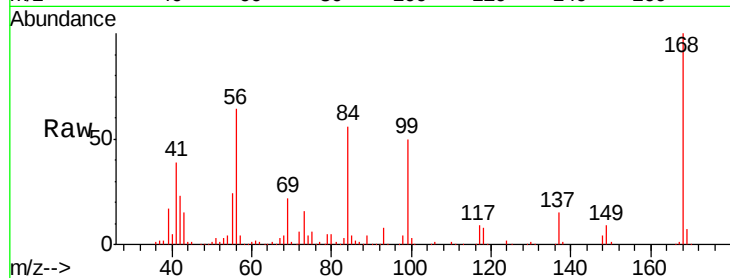
VSTDCCC050EC

Tgt Ion:168 Resp: 941733

Ion Ratio Lower Upper

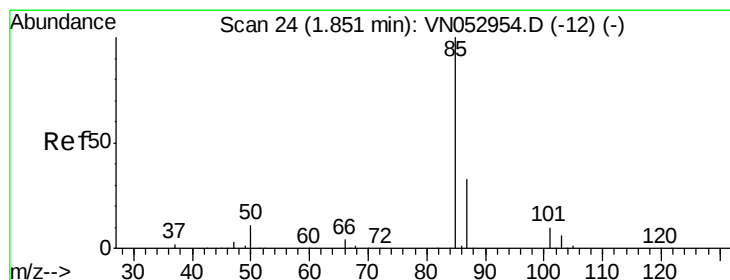
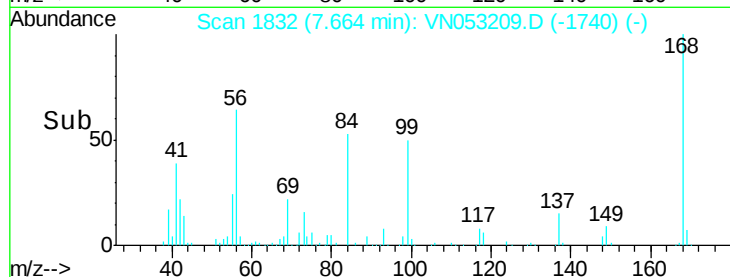
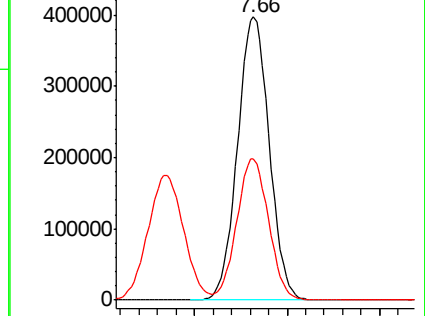
168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 44.911 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053209.D

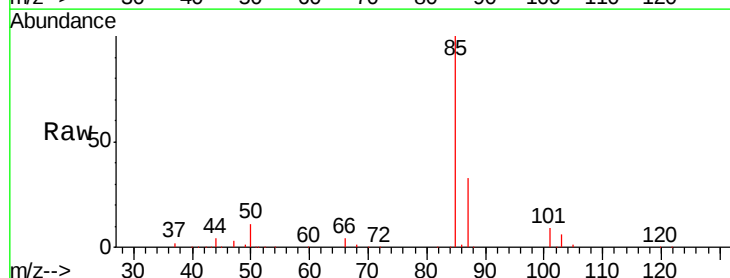
Acq: 27 Dec 2018 15:10

Tgt Ion: 85 Resp: 428054

Ion Ratio Lower Upper

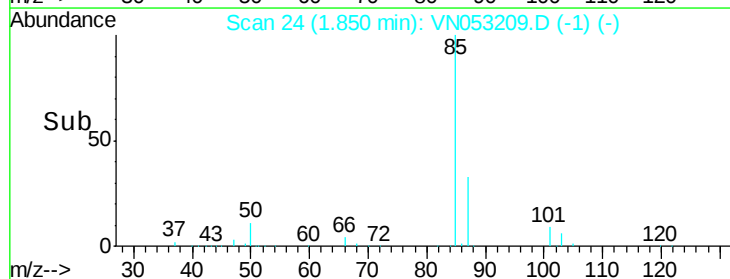
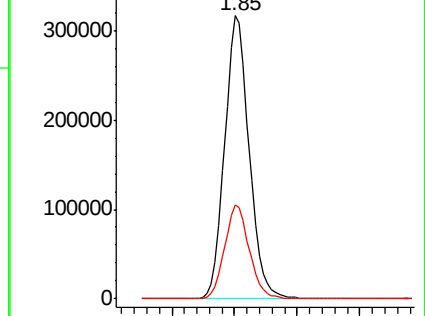
85 100

87 33.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 46.509 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

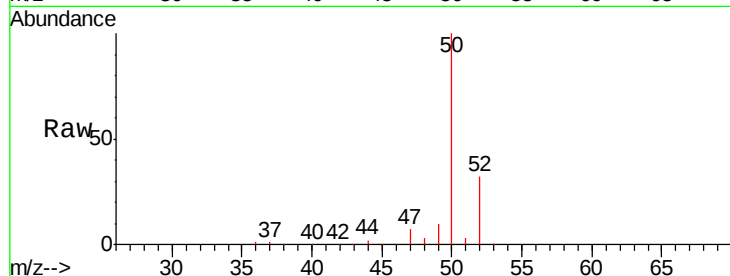
VSTDCCC050EC

Tgt Ion: 50 Resp: 537163

Ion Ratio Lower Upper

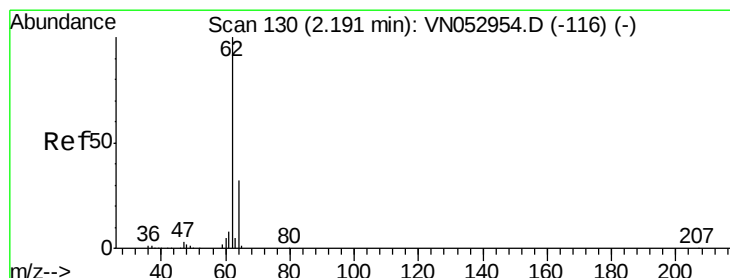
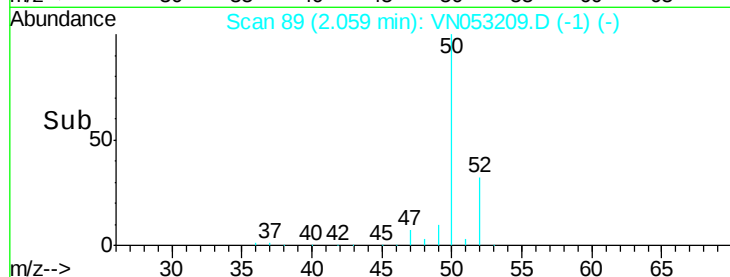
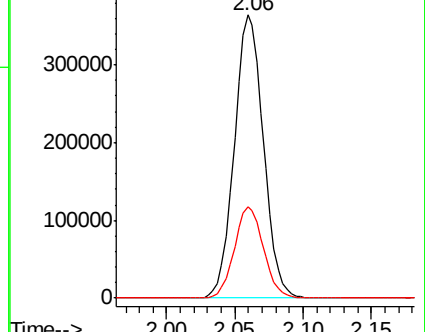
50 100

52 32.2 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN053209.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN053209.D (-1) (-)



#4

Vinyl Chloride

Concen: 46.100 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053209.D

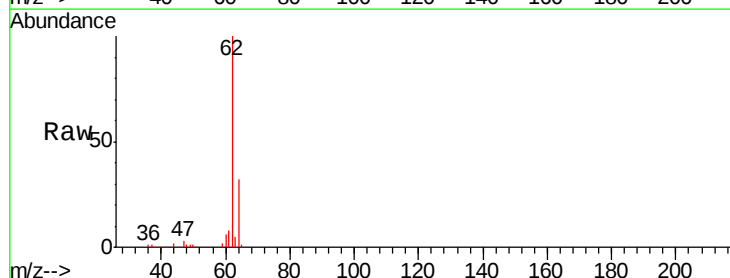
Acq: 27 Dec 2018 15:10

Tgt Ion: 62 Resp: 539239

Ion Ratio Lower Upper

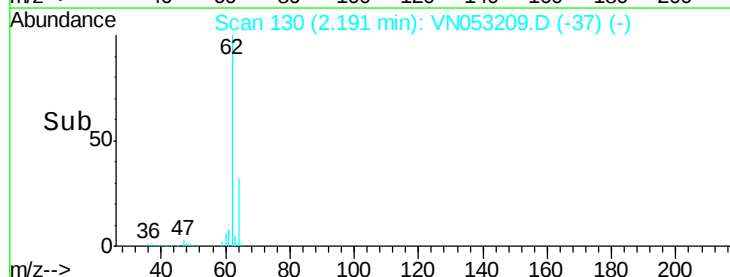
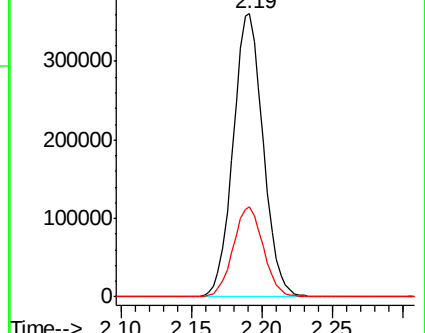
62 100

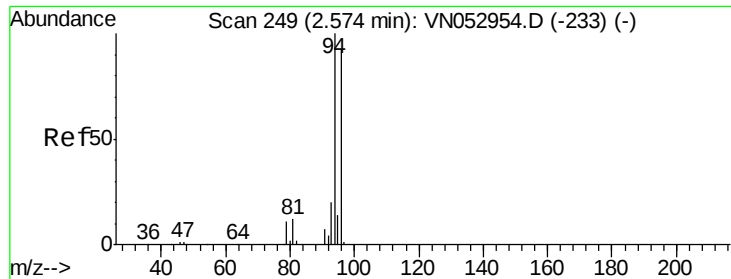
64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN053209.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN053209.D (-37) (-)





#5

Bromomethane

Concen: 46.157 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

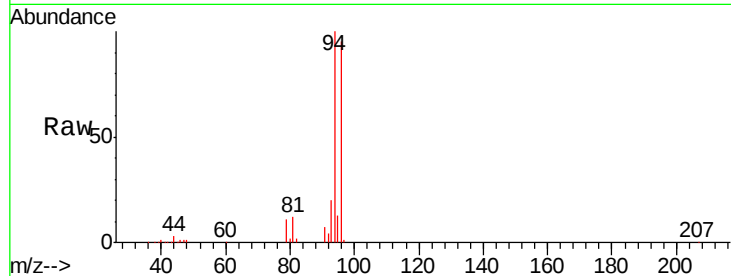
VSTDCCC050EC

Tgt Ion: 94 Resp: 374063

Ion Ratio Lower Upper

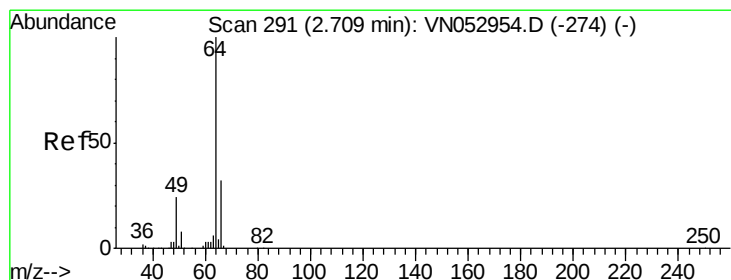
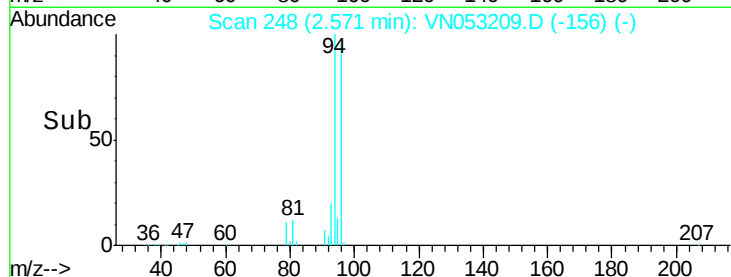
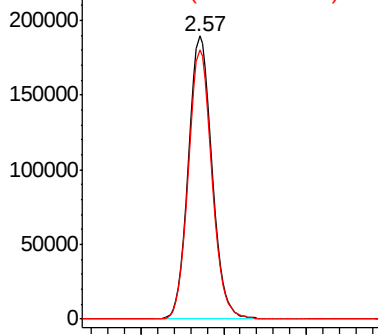
94 100

96 95.2 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.859 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053209.D

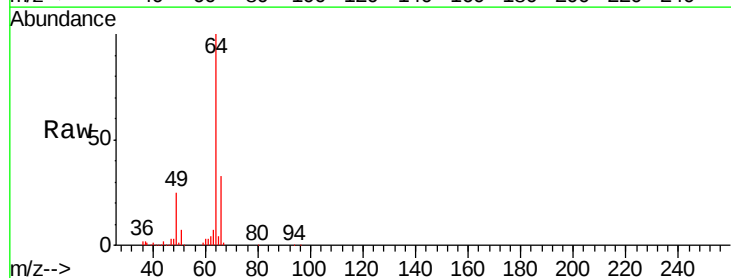
Acq: 27 Dec 2018 15:10

Tgt Ion: 64 Resp: 324623

Ion Ratio Lower Upper

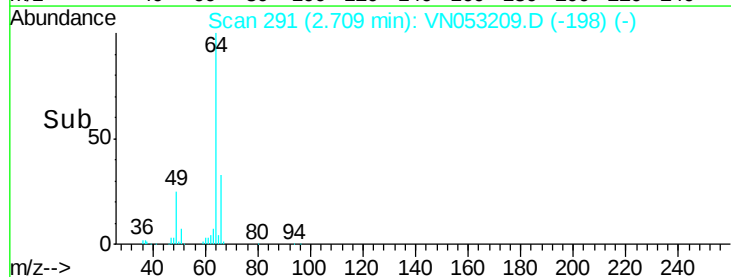
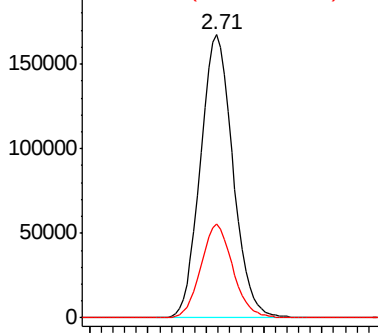
64 100

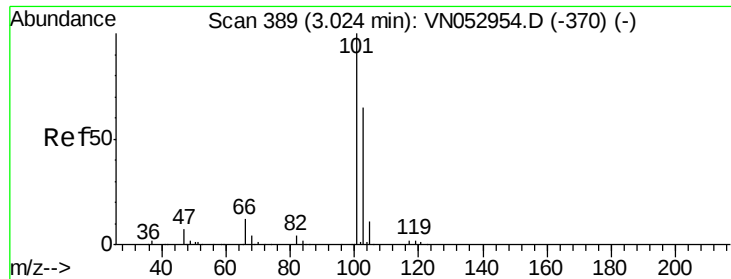
66 33.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



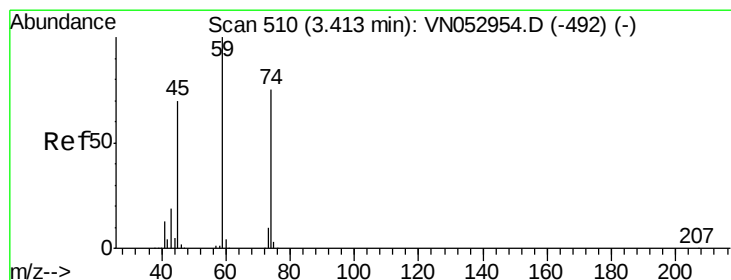
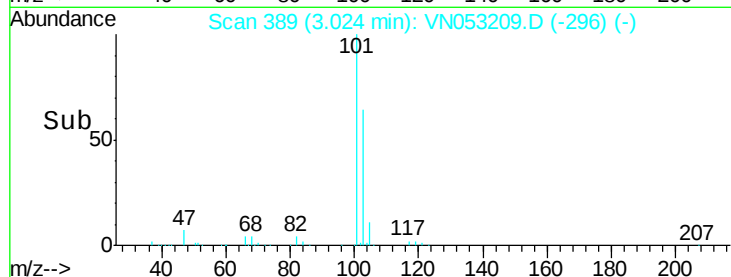
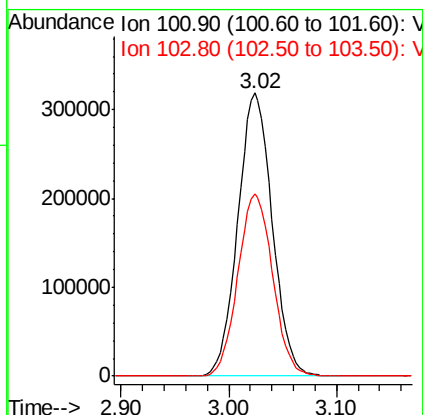
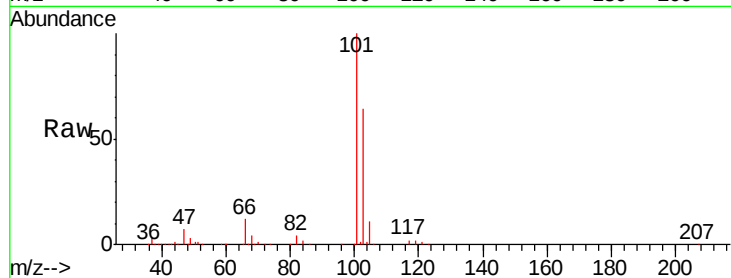


#7

Trichlorofluoromethane
 Concen: 48.648 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
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 VSTDCCC050EC

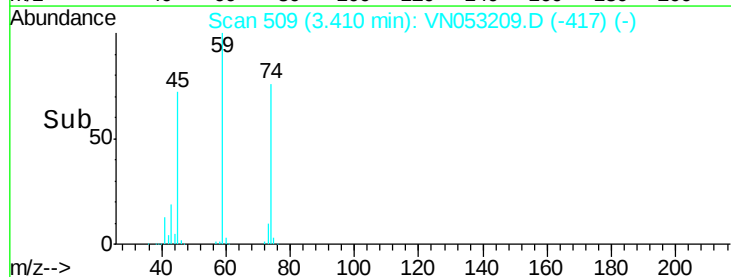
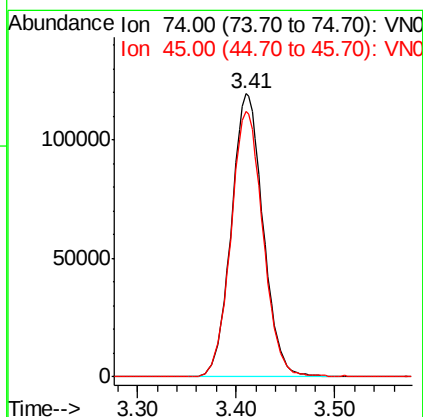
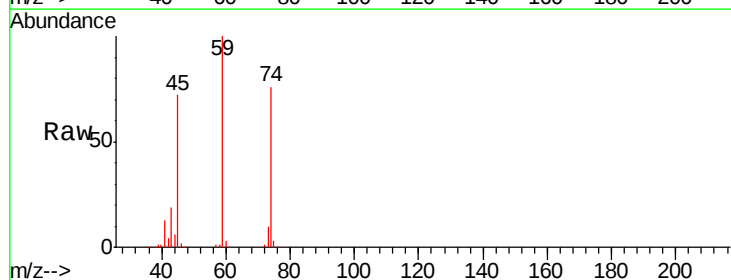
Tgt Ion: 101 Resp: 708885
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6

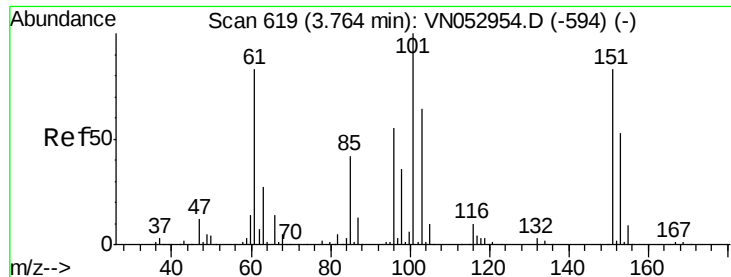


#8

Diethyl Ether
 Concen: 48.622 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 74 Resp: 267284
 Ion Ratio Lower Upper
 74 100
 45 95.0 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.473 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

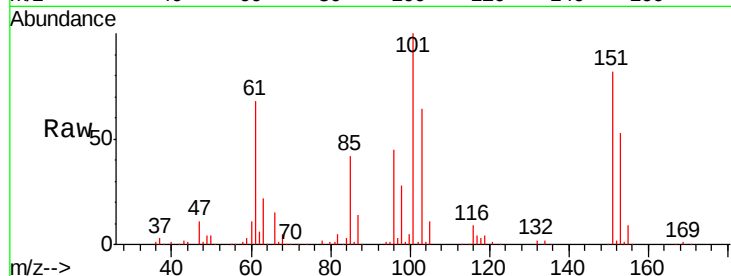
Tgt Ion:101 Resp: 468931

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

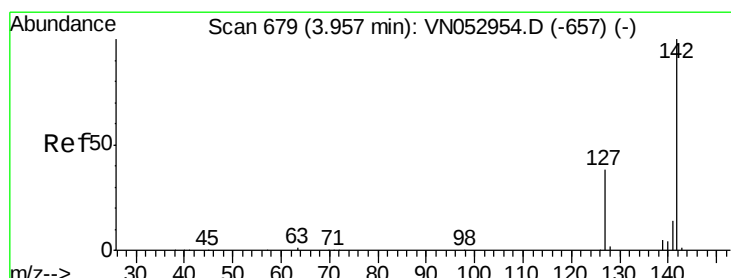
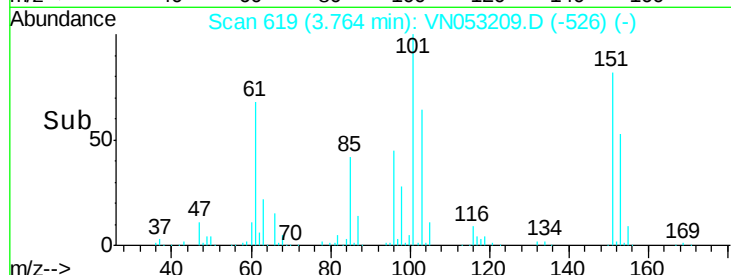
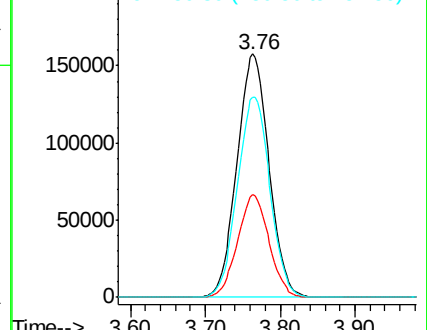
151 83.7 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.628 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

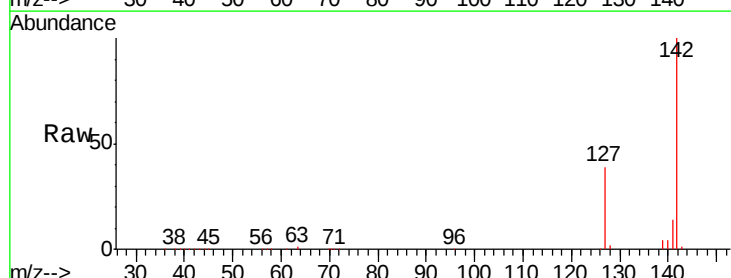
Tgt Ion:142 Resp: 634458

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

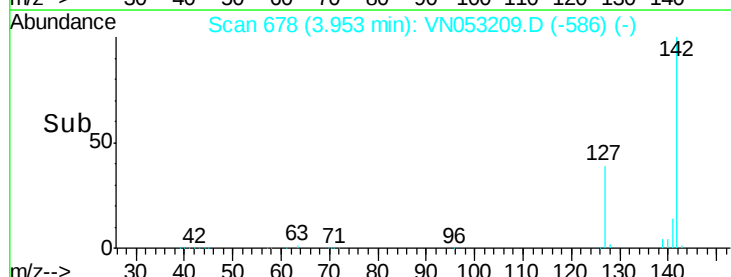
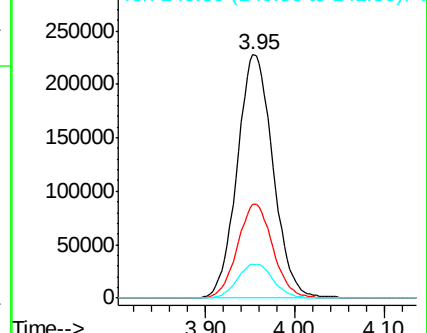
141 14.0 11.2 16.8

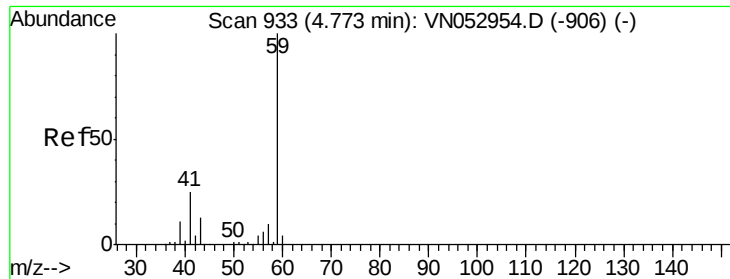


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



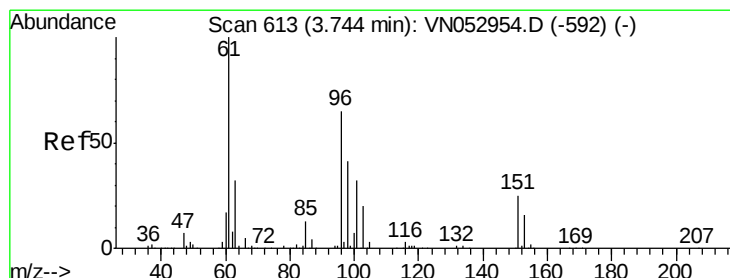
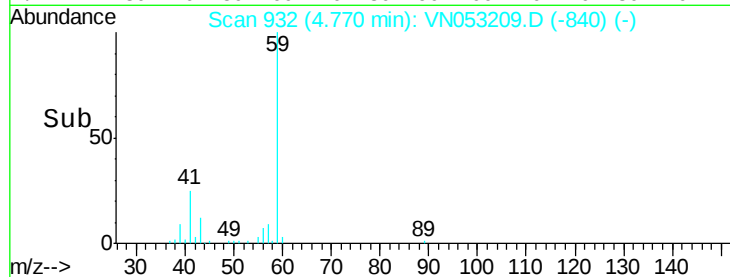
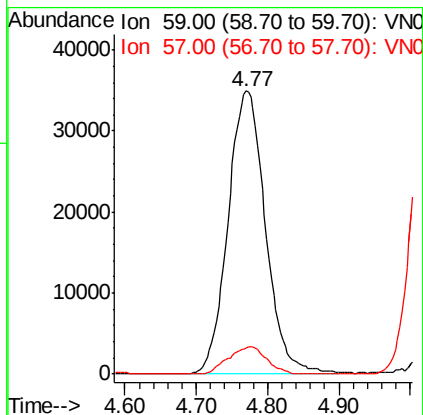
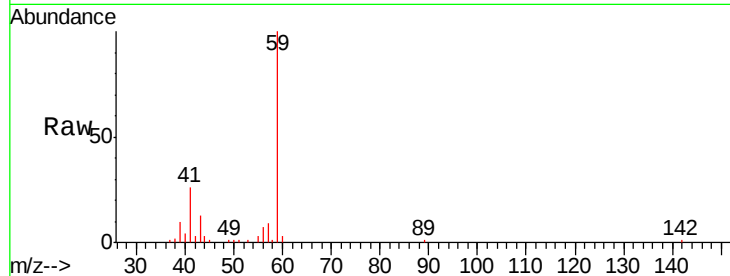


#11

Tert butyl alcohol
 Concen: 218.981 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

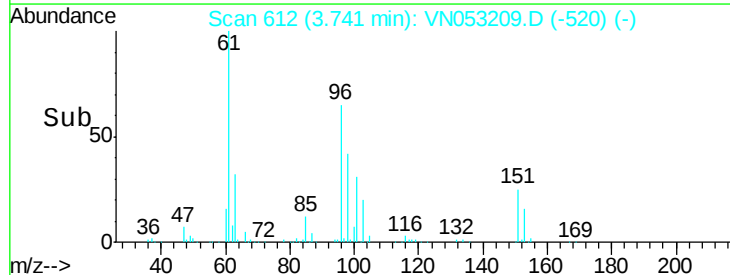
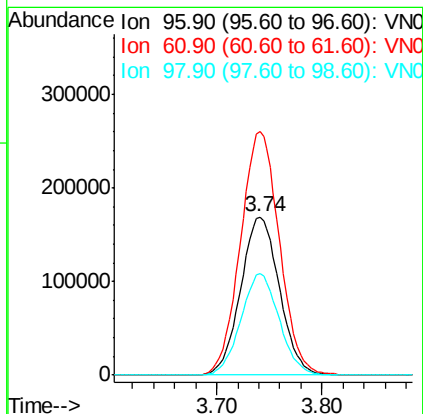
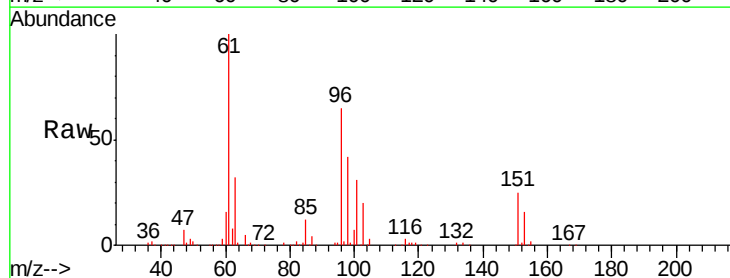
Tgt Ion: 59 Resp: 127692
 Ion Ratio Lower Upper
 59 100
 57 9.8 7.7 11.5

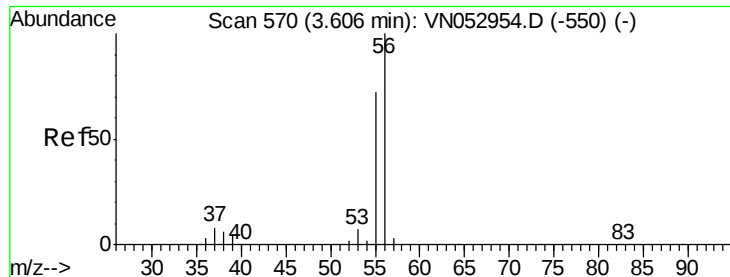


#12

1,1-Dichloroethene
 Concen: 48.201 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 96 Resp: 432647
 Ion Ratio Lower Upper
 96 100
 61 153.8 125.6 188.4
 98 64.3 50.6 75.8

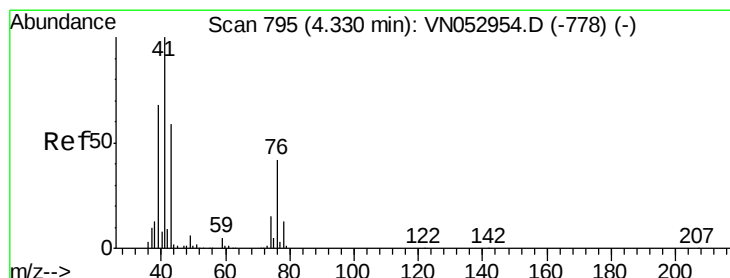
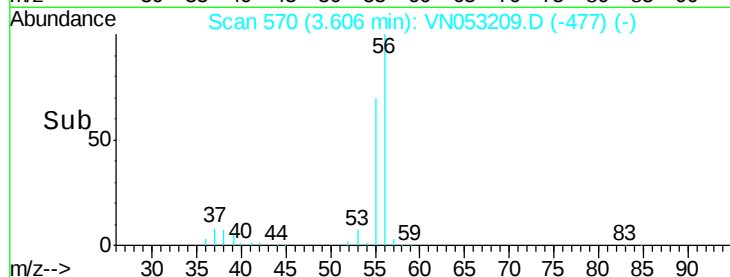
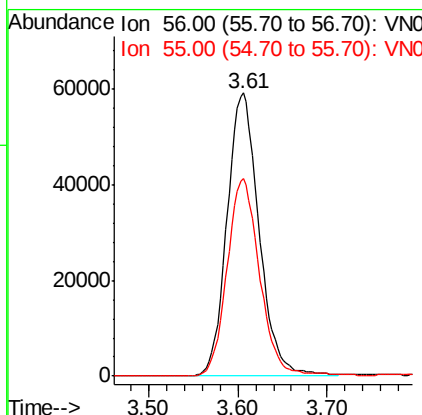
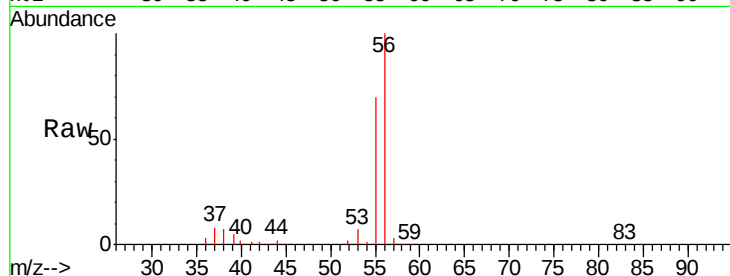




#13
 Acrolein
 Concen: 279.294 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

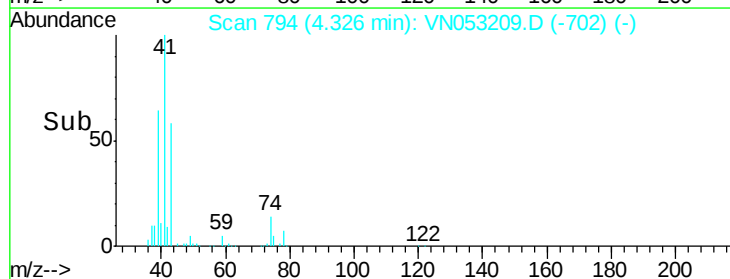
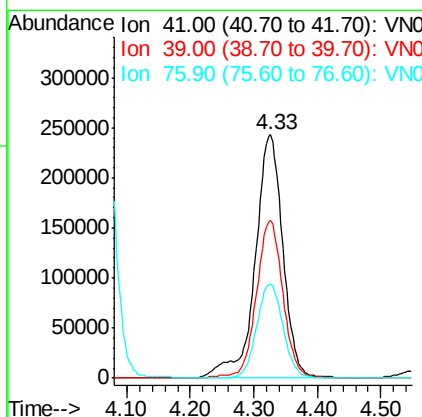
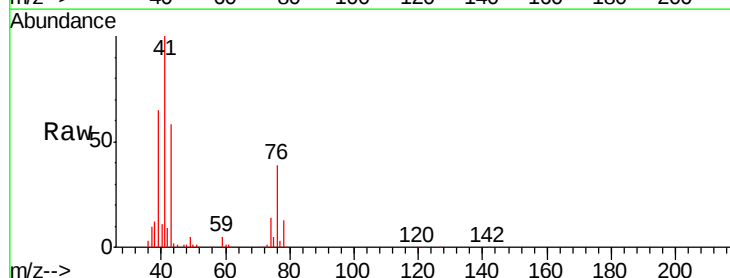
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 56 Resp: 147673
 Ion Ratio Lower Upper
 56 100
 55 70.0 56.6 85.0



#14
 Allyl chloride
 Concen: 53.156 ug/l
 RT: 4.33 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 41 Resp: 739056
 Ion Ratio Lower Upper
 41 100
 39 61.8 54.1 81.1
 76 36.4 30.3 45.5





#15

Acrylonitrile

Concen: 232.352 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

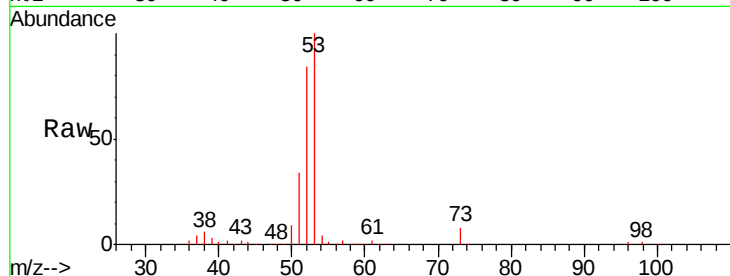
Tgt Ion: 53 Resp: 752708

Ion Ratio Lower Upper

53 100

52 82.8 65.1 97.7

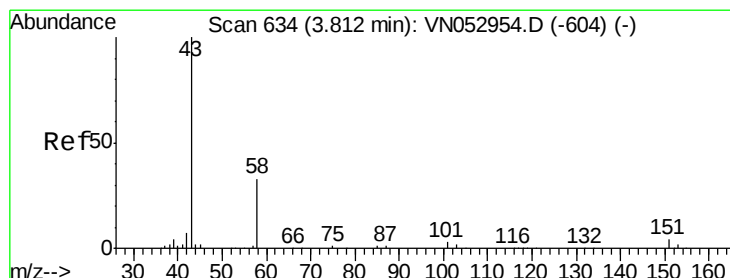
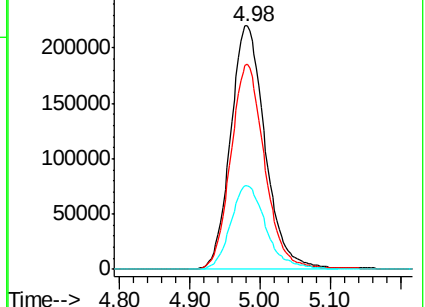
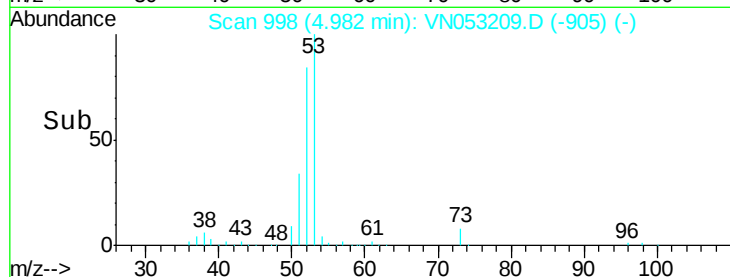
51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053209.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053209.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053209.D (-905) (-)



#16

Acetone

Concen: 223.395 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053209.D

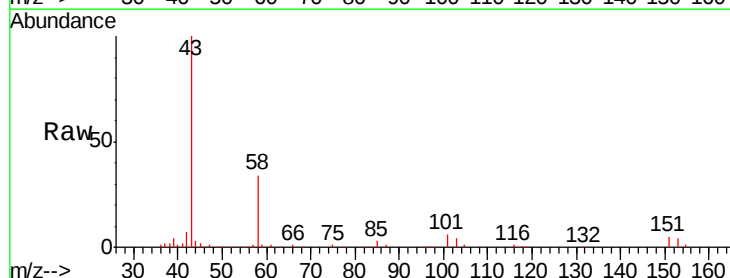
Acq: 27 Dec 2018 15:10

Tgt Ion: 43 Resp: 418595

Ion Ratio Lower Upper

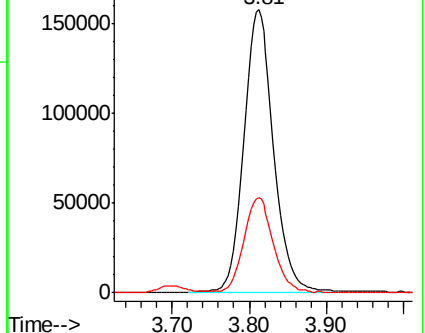
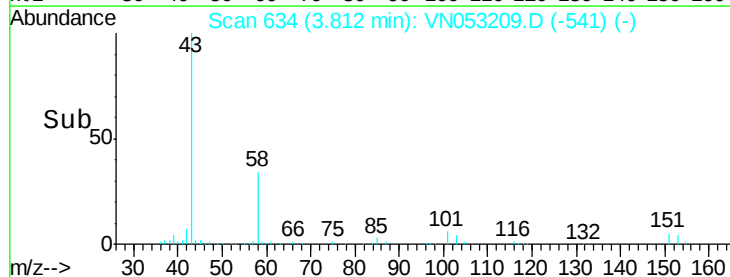
43 100

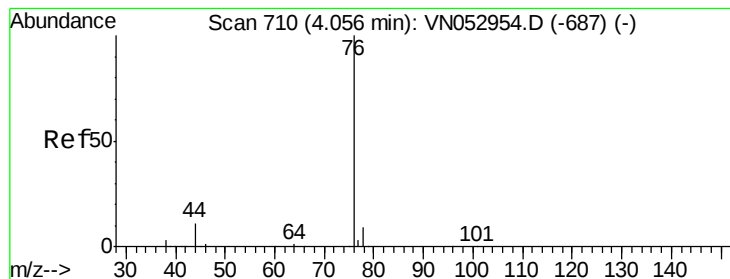
58 33.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053209.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053209.D (-541) (-)





#17

Carbon Disulfide

Concen: 40.149 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

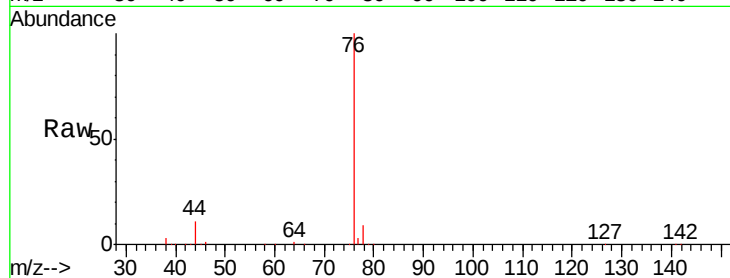
VSTDCCC050EC

Tgt Ion: 76 Resp: 1175283

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

500000

400000

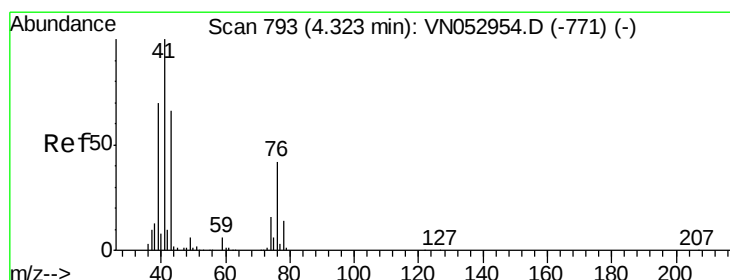
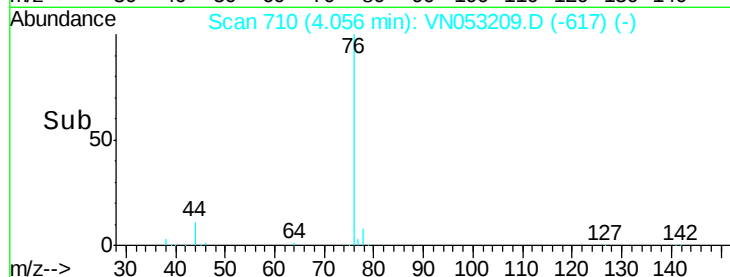
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 50.153 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN053209.D

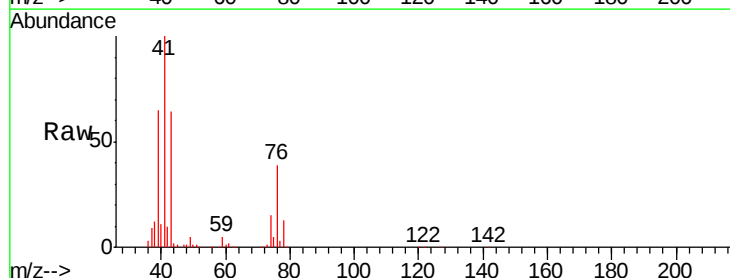
Acq: 27 Dec 2018 15:10

Tgt Ion: 43 Resp: 426560

Ion Ratio Lower Upper

43 100

74 24.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

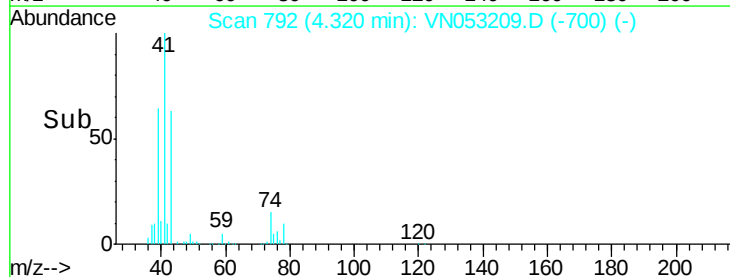
150000

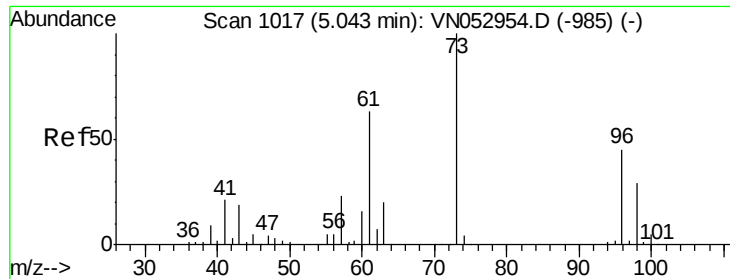
100000

50000

0

Time--> 4.20 4.30 4.40 4.50

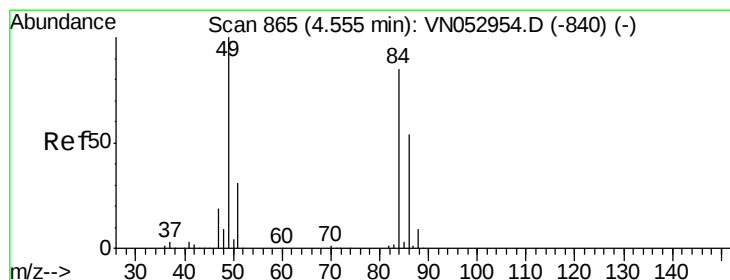
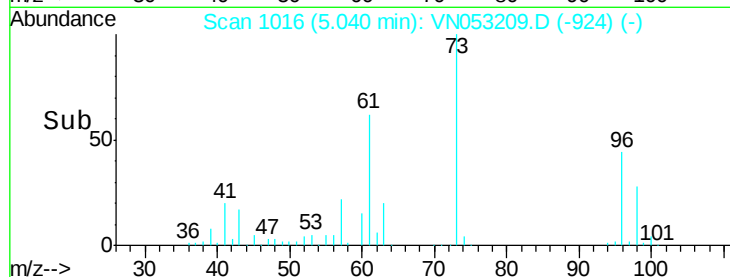
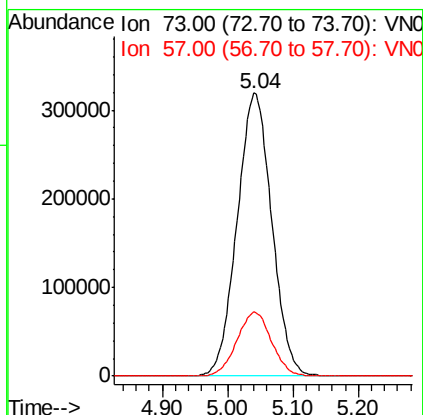
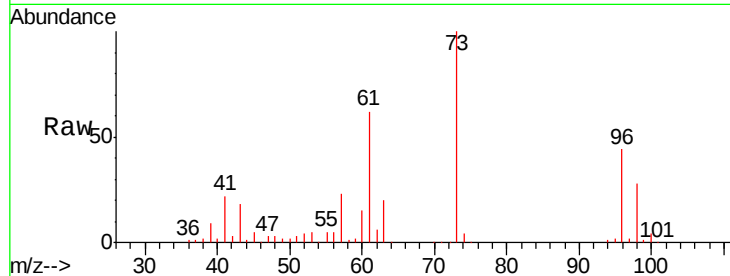




#19
Methyl tert-butyl Ether
Concen: 49.002 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

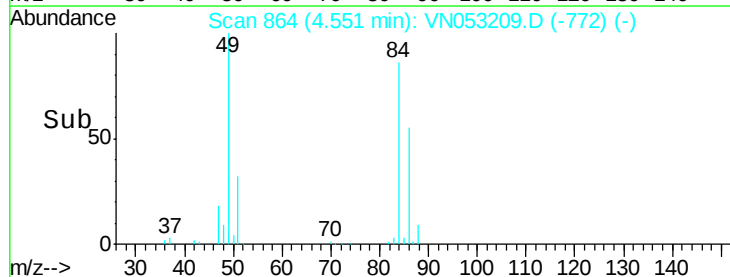
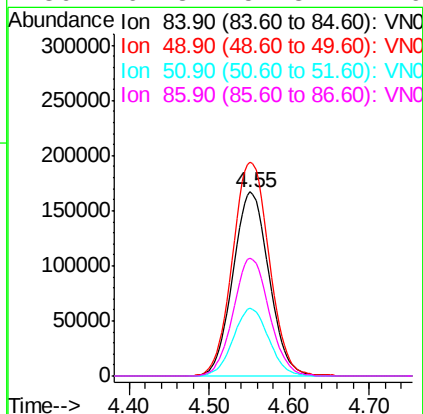
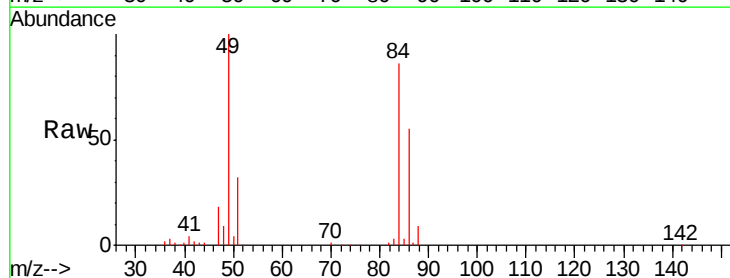
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

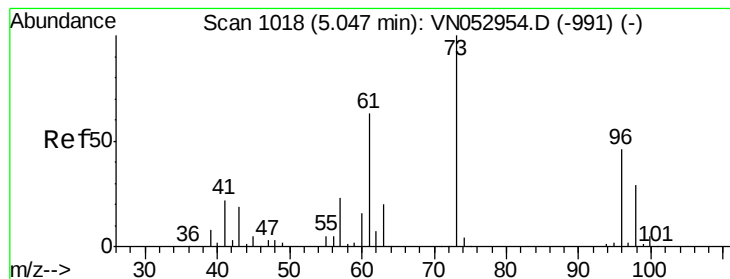
Tgt Ion: 73 Resp: 1177051
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6



#20
Methylene Chloride
Concen: 49.988 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 84 Resp: 510943
Ion Ratio Lower Upper
84 100
49 116.2 96.8 145.2
51 36.7 29.9 44.9
86 64.3 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.553 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

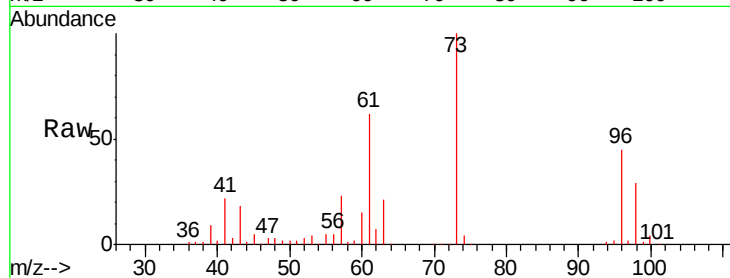
Tgt Ion: 96 Resp: 458593

Ion Ratio Lower Upper

96 100

61 139.0 110.8 166.2

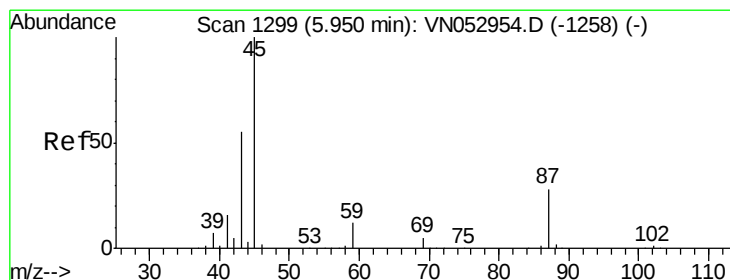
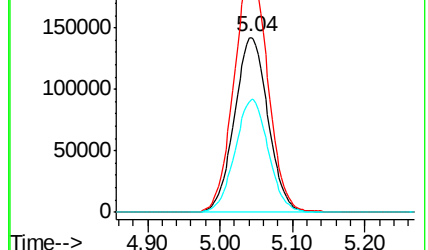
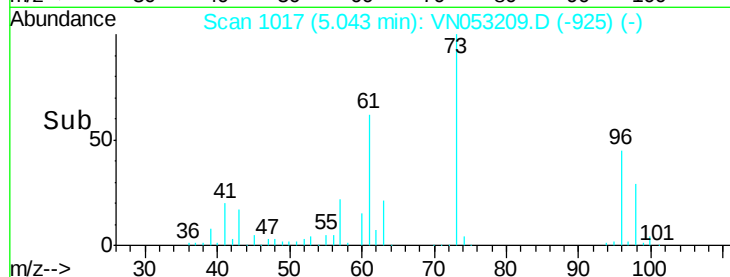
98 64.4 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN053209.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN053209.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN053209.D (-925) (-)



#22

Diisopropyl ether

Concen: 52.732 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion: 45 Resp: 1564926

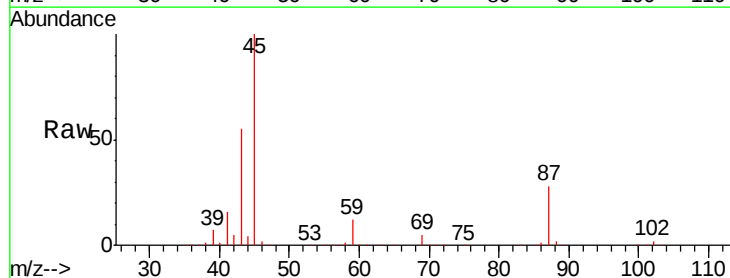
Ion Ratio Lower Upper

45 100

43 55.1 45.5 68.3

87 28.2 22.0 33.0

59 11.7 9.4 14.0

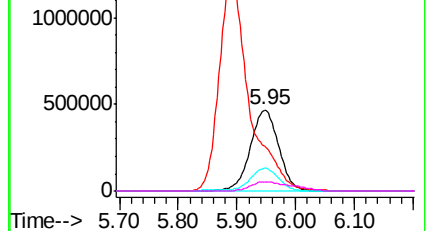
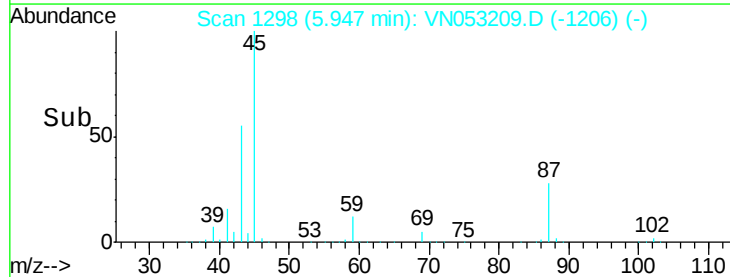


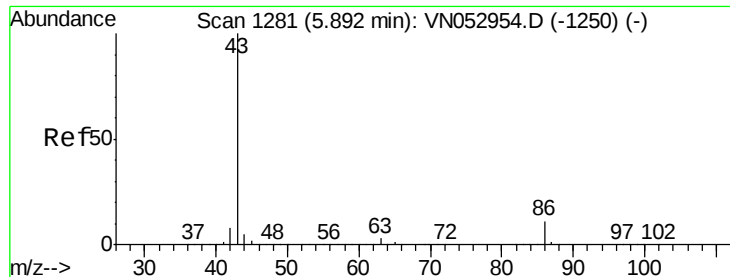
Abundance Ion 45.00 (44.70 to 45.70): VN053209.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053209.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053209.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053209.D (-1206) (-)





#23

Vinyl Acetate

Concen: 255.727 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

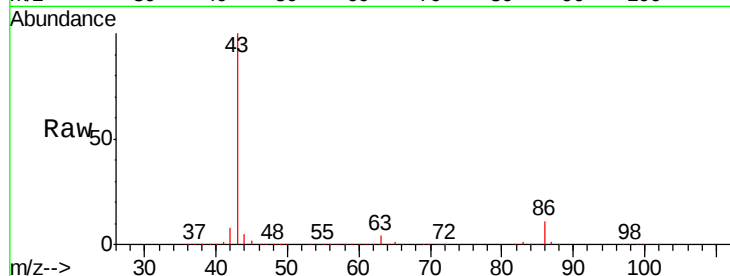
VSTDCCC050EC

Tgt Ion: 43 Resp: 4364043

Ion Ratio Lower Upper

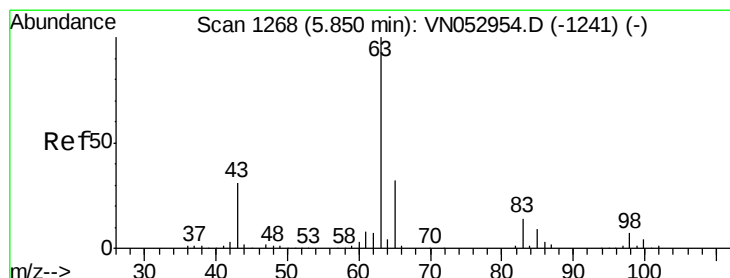
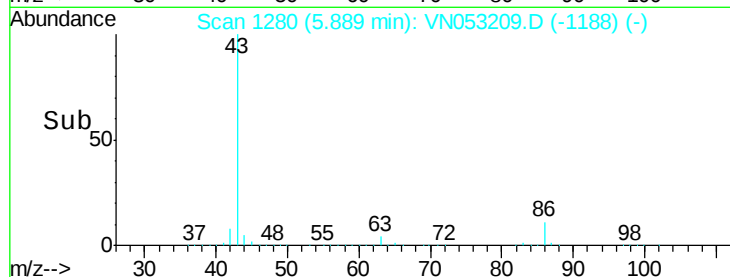
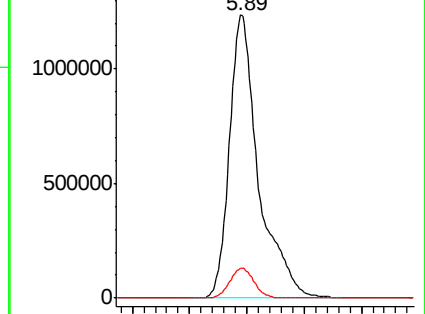
43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053209.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053209.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 50.796 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

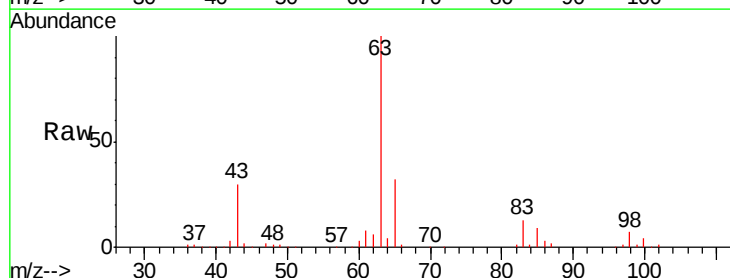
Tgt Ion: 63 Resp: 895793

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

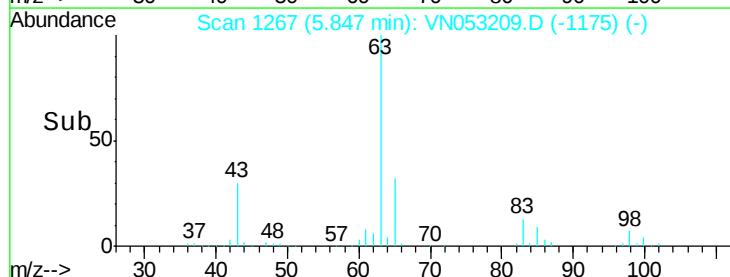
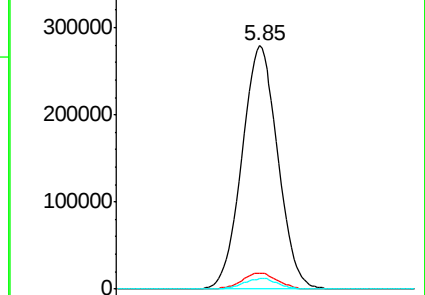
100 4.2 2.0 5.8

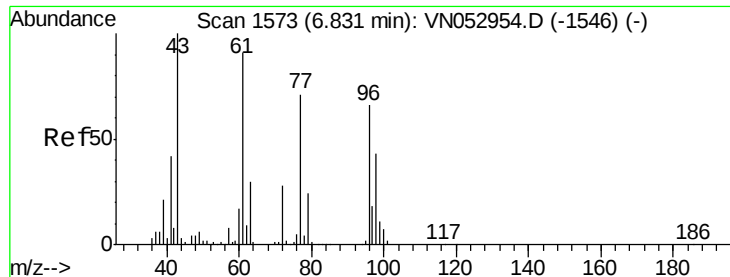


Abundance Ion 62.90 (62.60 to 63.60): VN053209.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053209.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053209.D (-1175) (-)

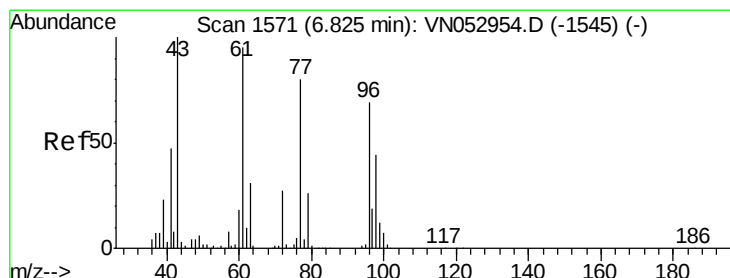
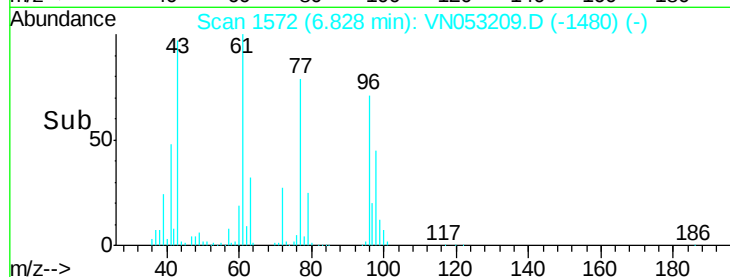
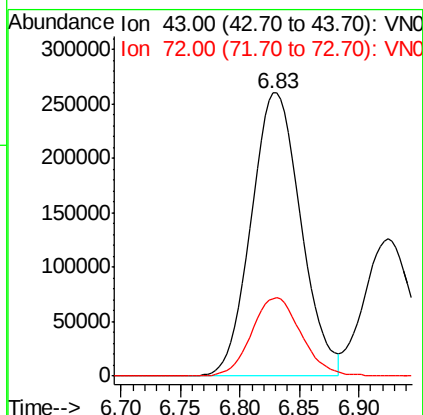
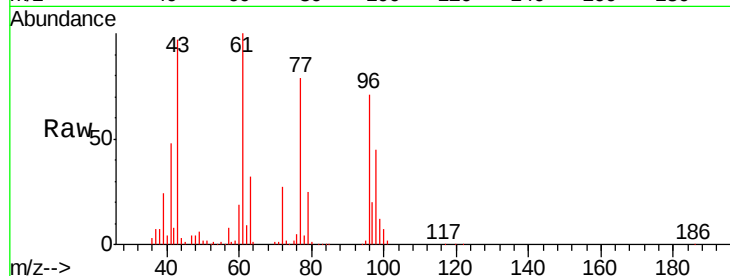




#25
2-Butanone
Concen: 239.104 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

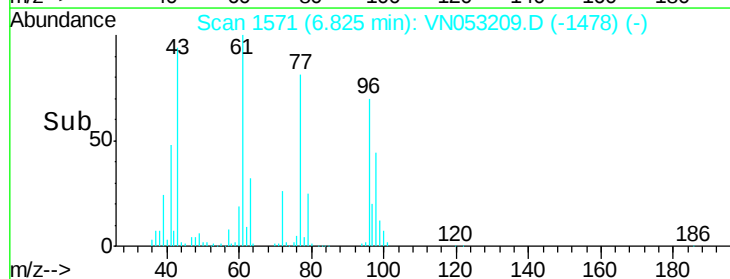
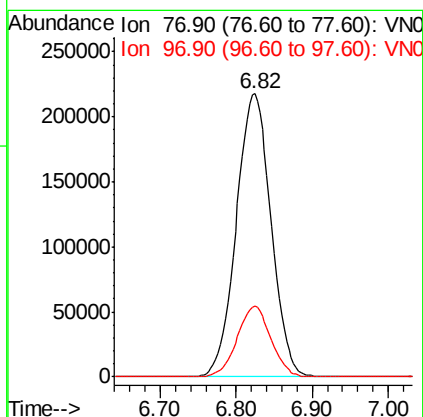
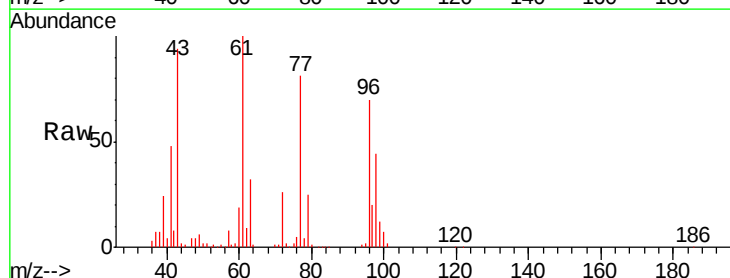
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

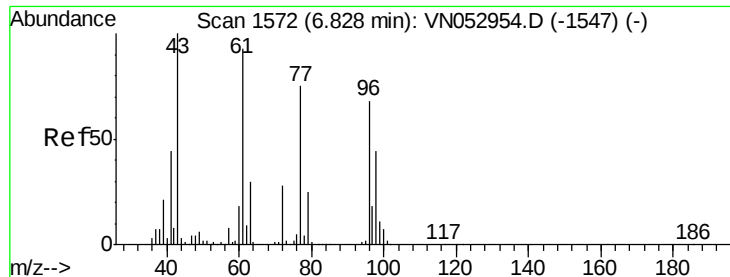
Tgt Ion: 43 Resp: 751904
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 51.297 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 77 Resp: 690551
Ion Ratio Lower Upper
77 100
97 24.3 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 50.190 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

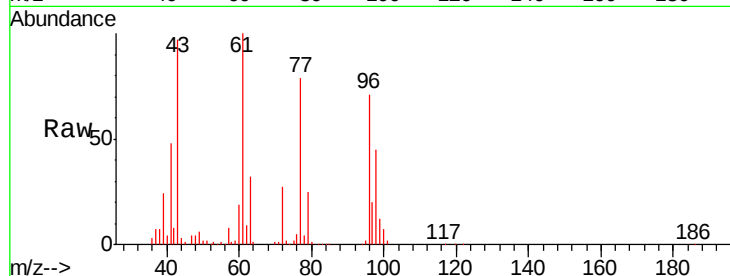
Tgt Ion: 96 Resp: 547970

Ion Ratio Lower Upper

96 100

61 144.7 0.0 284.2

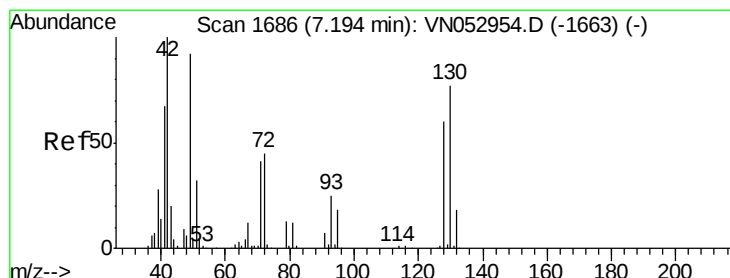
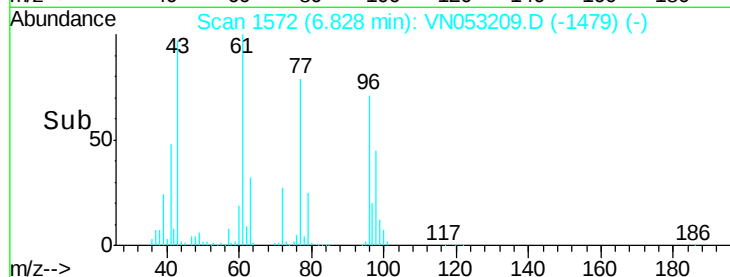
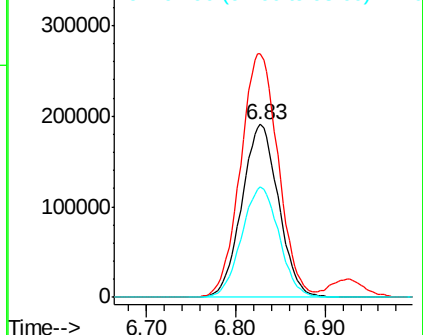
98 65.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053209.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053209.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053209.D (-1479) (-)



#28

Bromochloromethane

Concen: 47.689 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

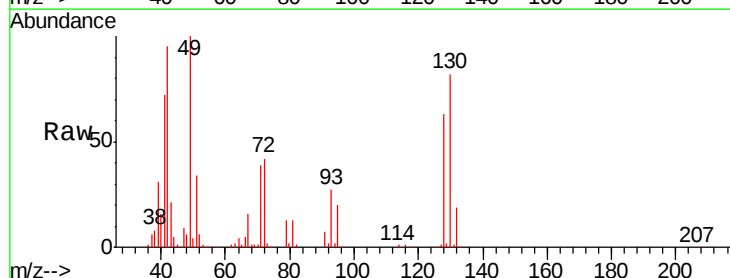
Tgt Ion: 49 Resp: 364418

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

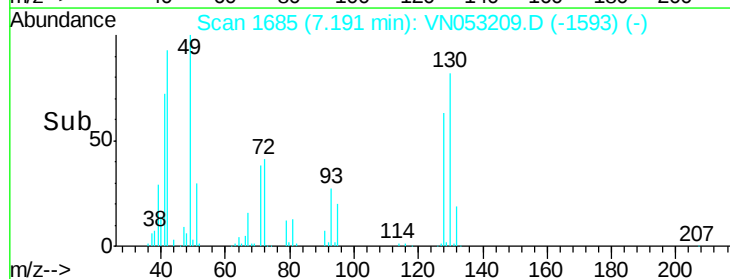
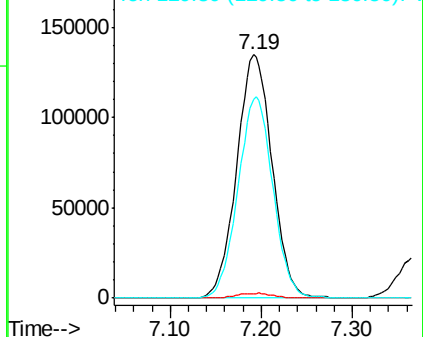
130 81.6 63.3 94.9

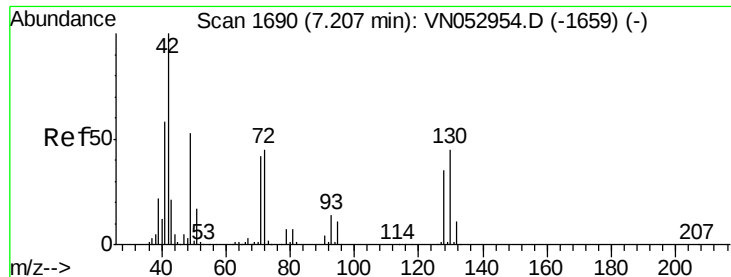


Abundance Ion 48.90 (48.60 to 49.60): VN053209.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053209.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053209.D (-1593) (-)

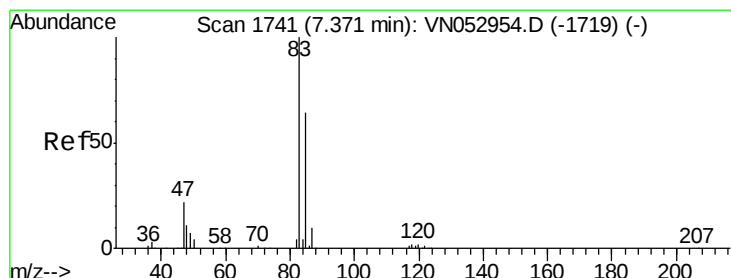
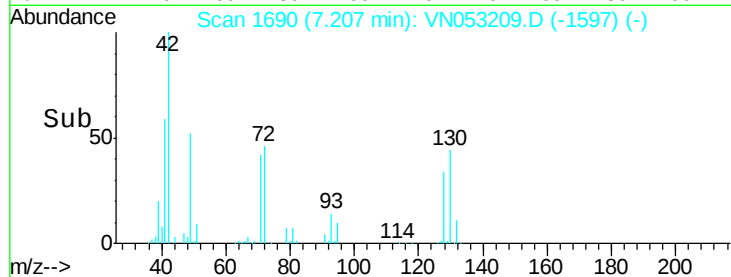
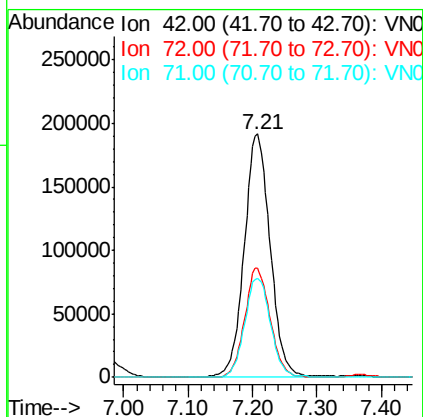
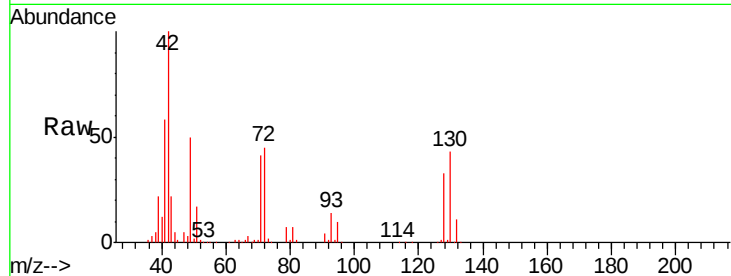




#29
Tetrahydrofuran
Concen: 227.708 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

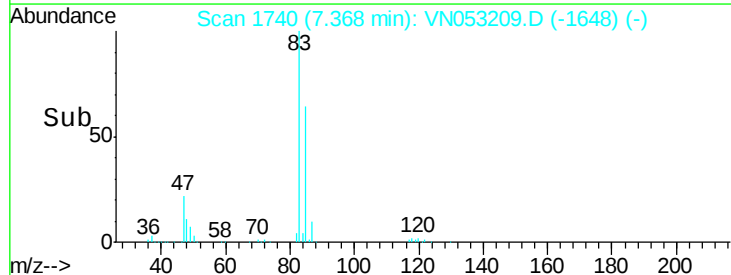
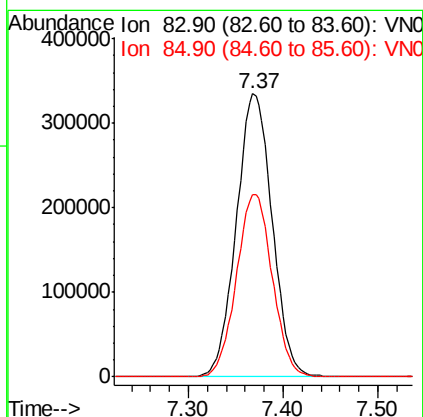
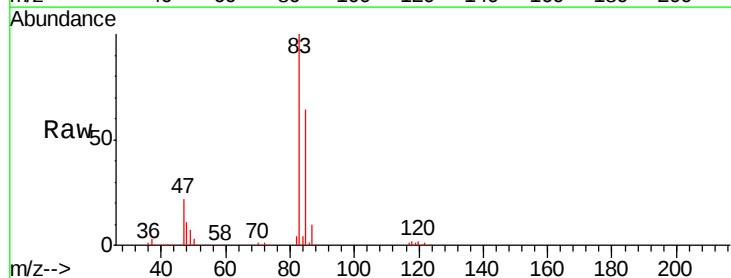
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 534808
Ion Ratio Lower Upper
42 100
72 44.0 34.7 52.1
71 41.1 32.3 48.5



#30
Chloroform
Concen: 50.852 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 83 Resp: 880938
Ion Ratio Lower Upper
83 100
85 64.2 52.1 78.1





#31

Cyclohexane

Concen: 48.957 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

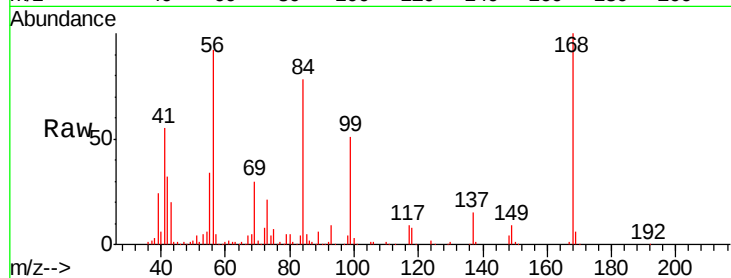
Tgt Ion: 56 Resp: 810090

Ion Ratio Lower Upper

56 100

69 33.1 26.6 39.8

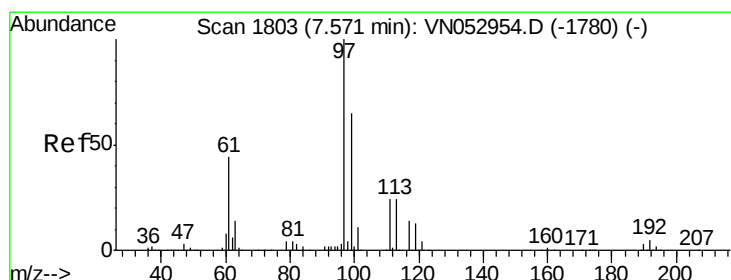
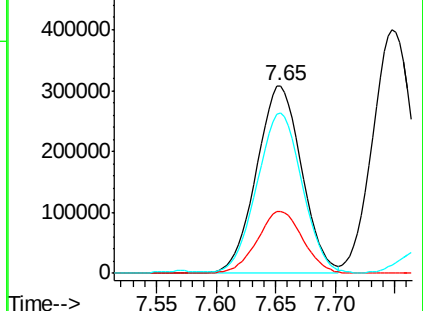
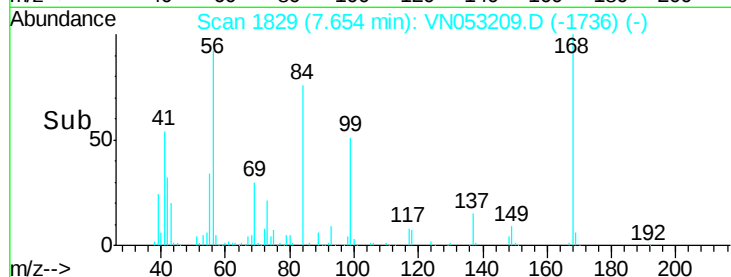
84 84.2 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN053209.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053209.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053209.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.515 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

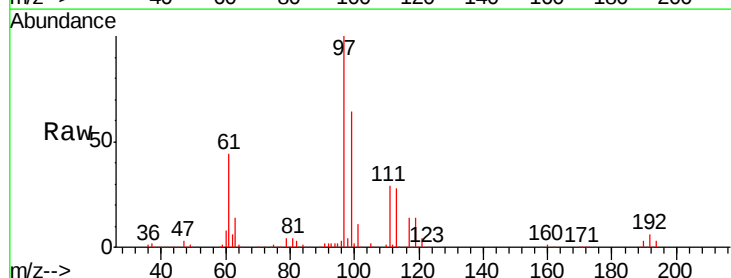
Tgt Ion: 97 Resp: 730727

Ion Ratio Lower Upper

97 100

99 64.3 51.1 76.7

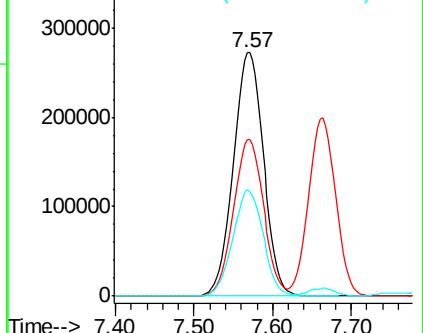
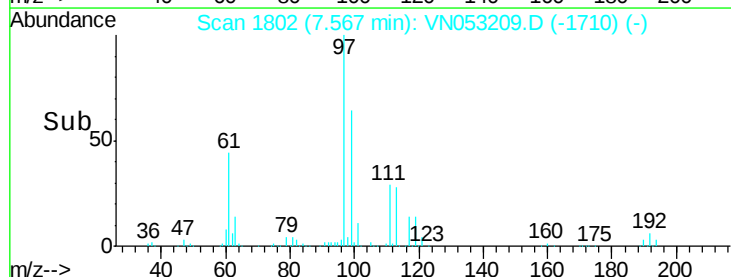
61 43.7 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN053209.D (-1710) (-)

Ion 98.90 (98.60 to 99.60): VN053209.D (-1710) (-)

Ion 60.90 (60.60 to 61.60): VN053209.D (-1710) (-)

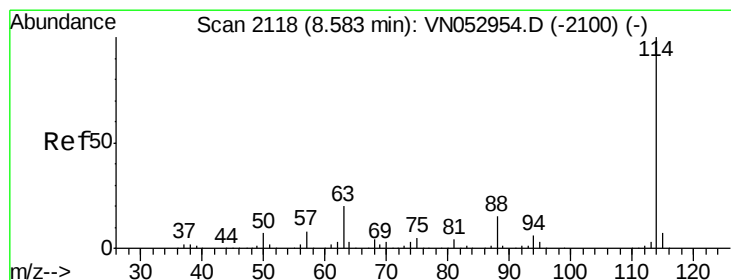
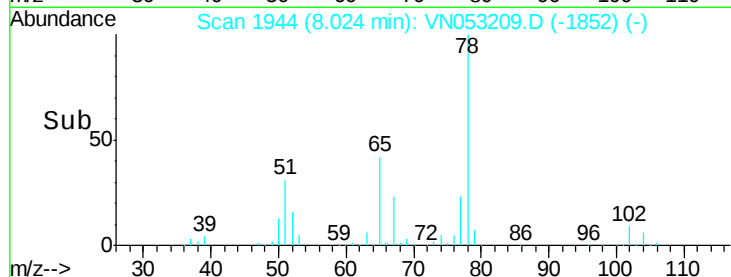
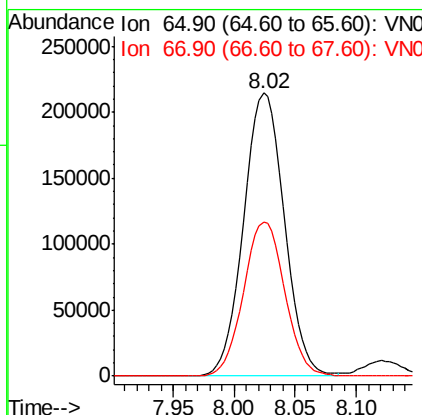
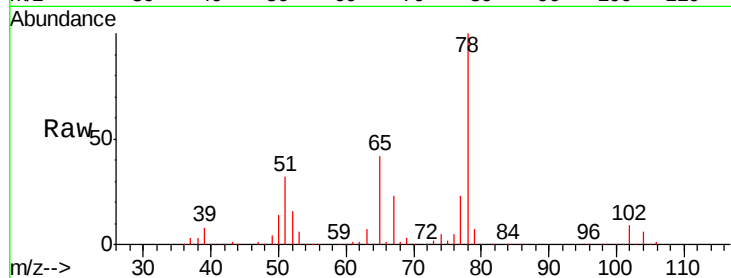




#33
 1,2-Dichloroethane-d4
 Concen: 49.515 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

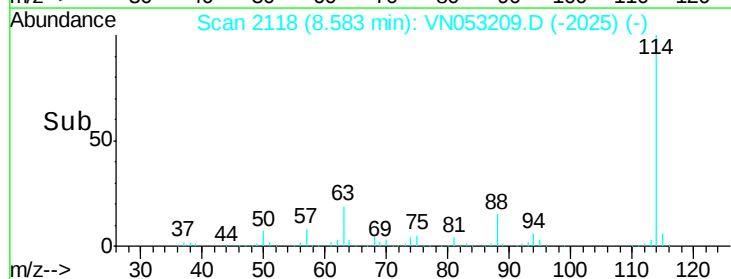
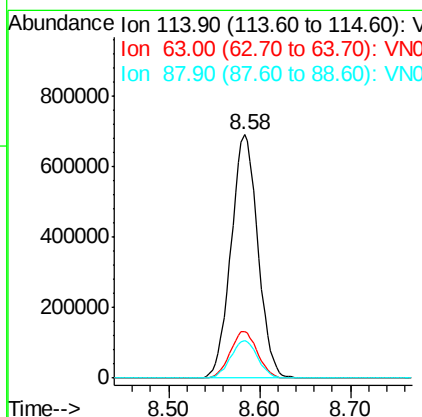
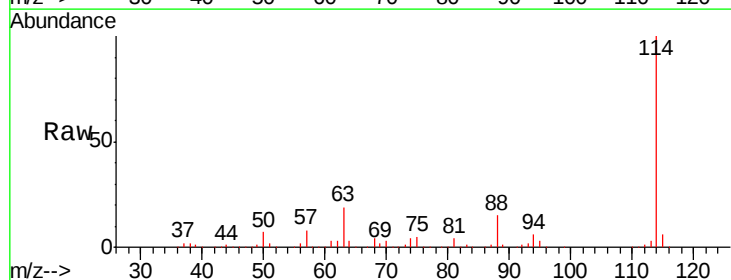
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

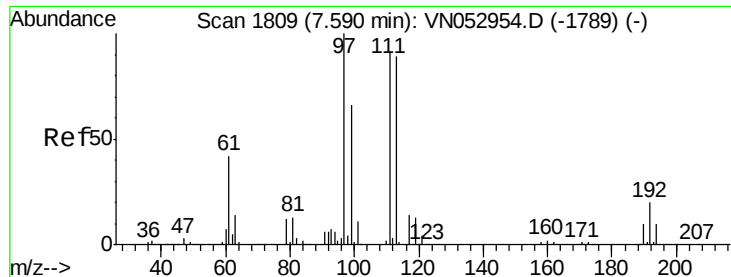
Tgt Ion: 65 Resp: 496339
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 114 Resp: 1412116
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.8
 88 15.4 0.0 31.0

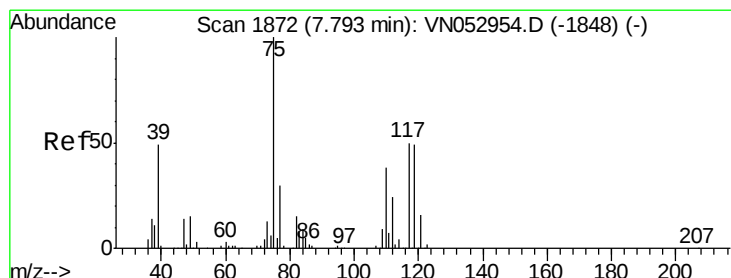
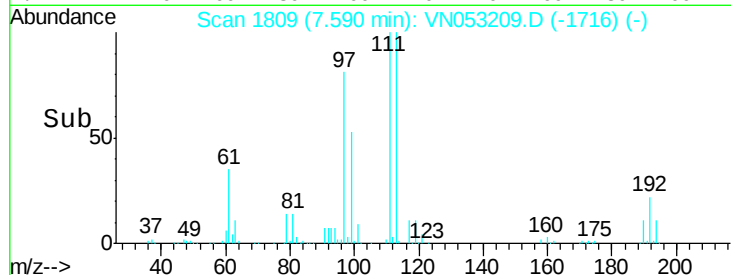
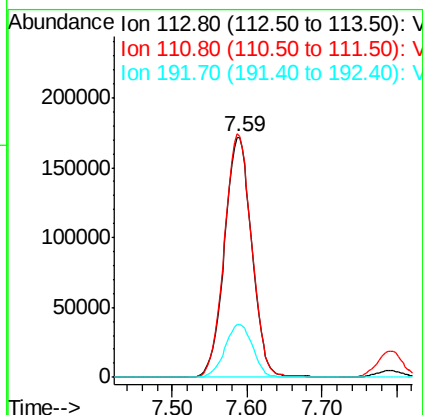
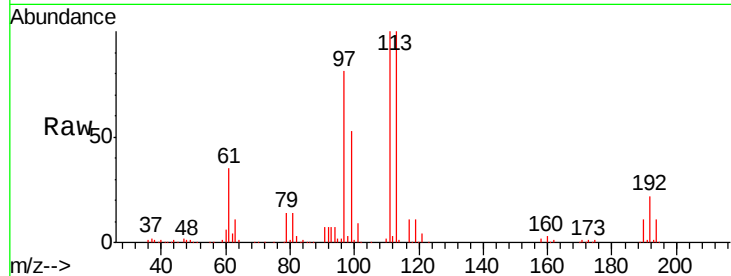




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

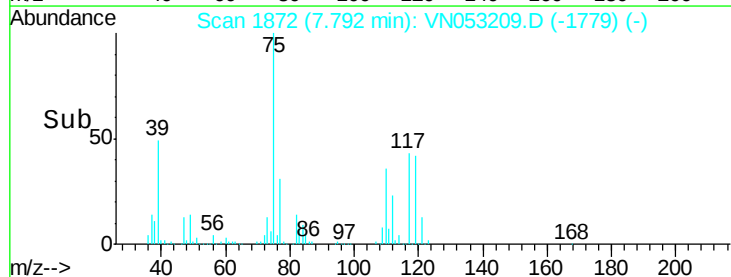
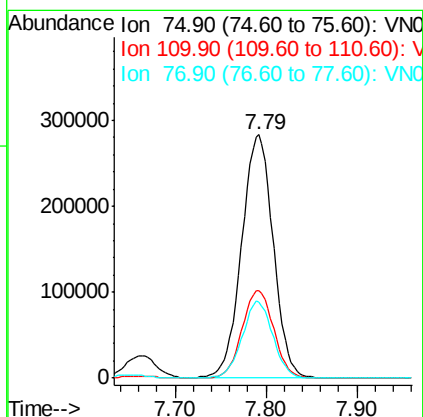
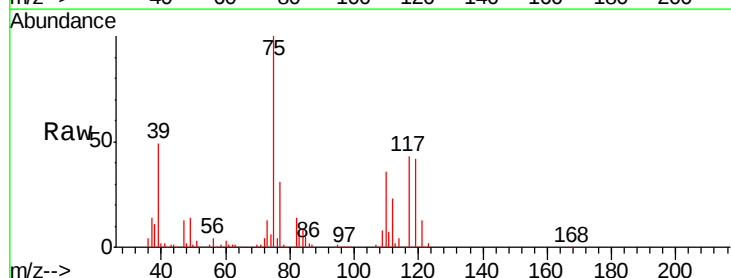
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

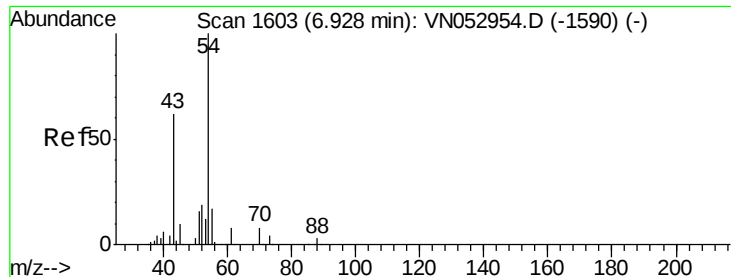
Tgt Ion: 113 Resp: 433617
 Ion Ratio Lower Upper
 113 100
 111 101.3 83.0 124.4
 192 22.5 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 50.149 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 75 Resp: 679715
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.2 54.6
 77 31.0 24.9 37.3

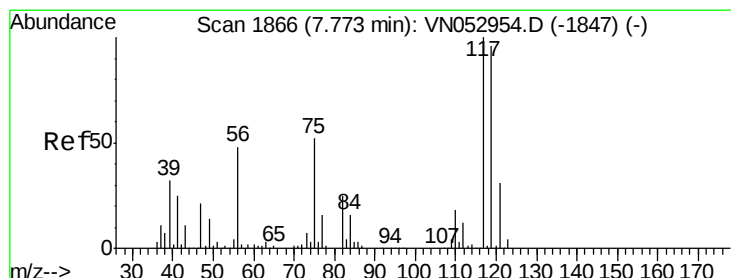
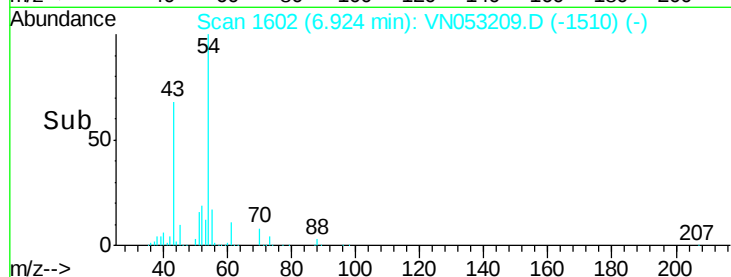
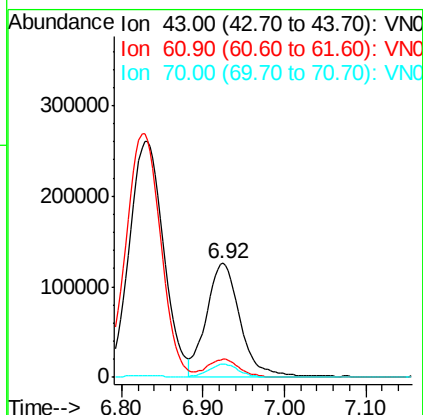
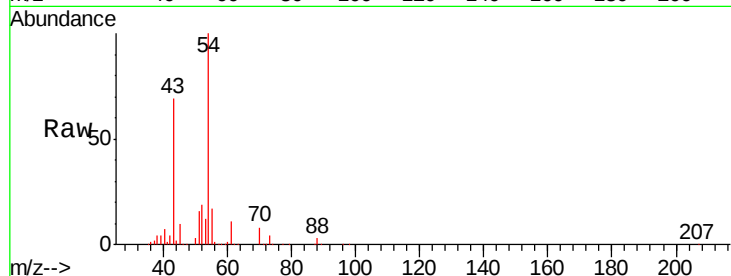




#37
Ethyl Acetate
Concen: 47.973 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

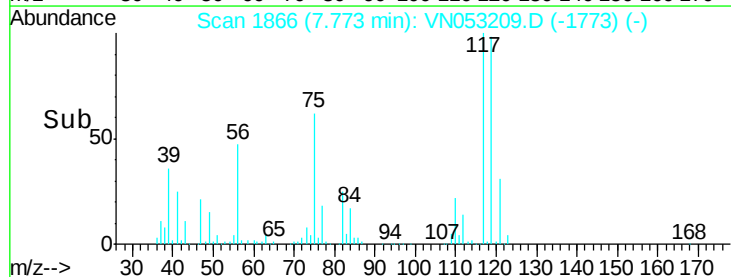
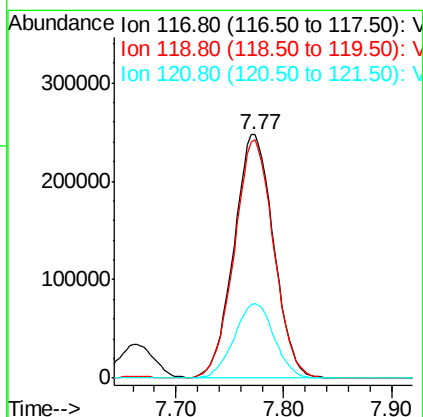
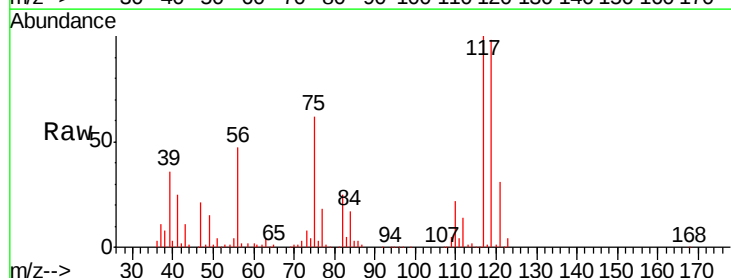
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 362983
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.844 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 117 Resp: 631650
Ion Ratio Lower Upper
117 100
119 97.7 77.1 115.7
121 30.5 24.9 37.3

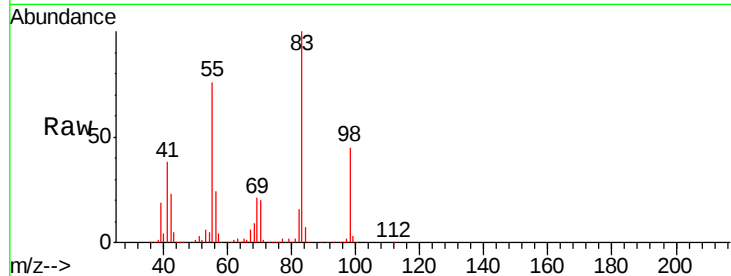




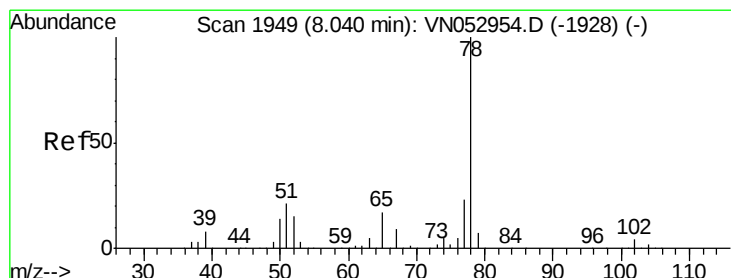
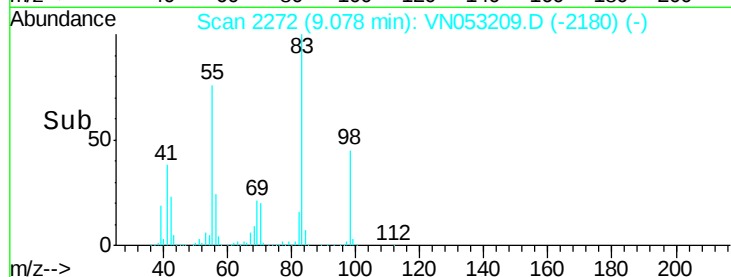
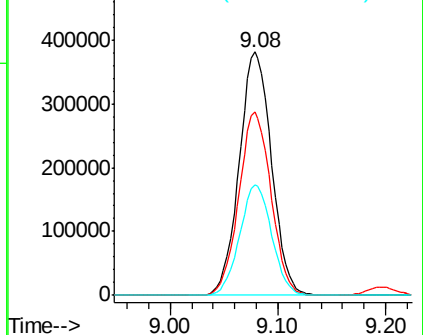
#39
Methylcyclohexane
Concen: 48.216 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 793884
Ion Ratio Lower Upper
83 100
55 75.6 61.3 91.9
98 45.5 37.0 55.4

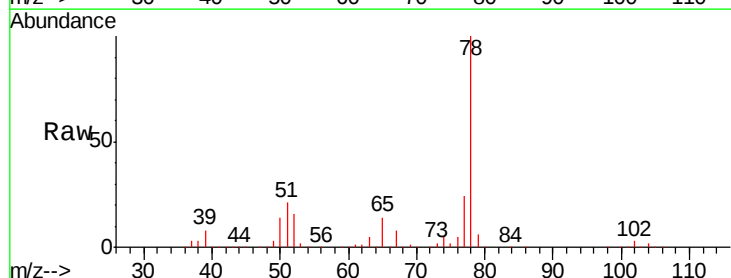


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

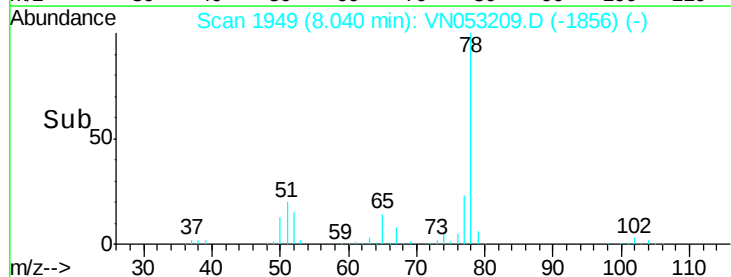
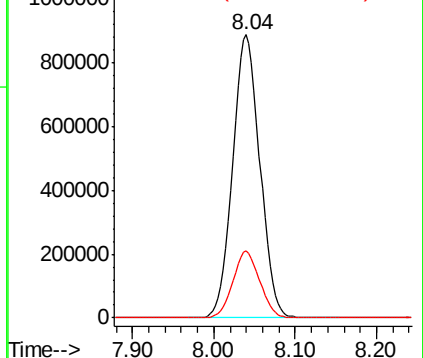


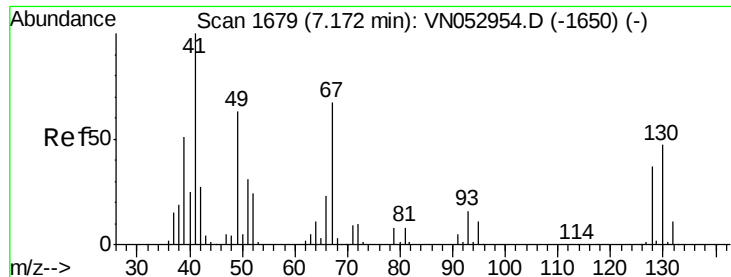
#40
Benzene
Concen: 51.138 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 78 Resp: 2061679
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

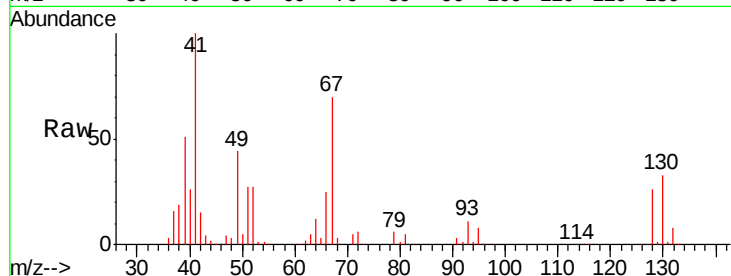




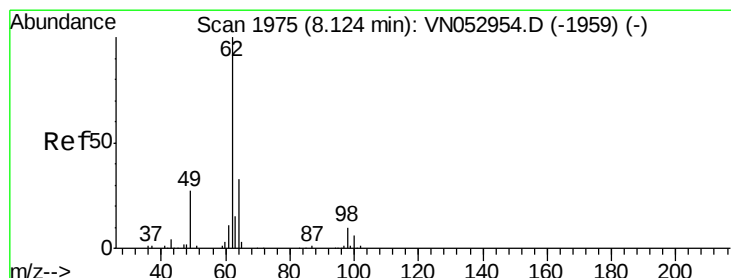
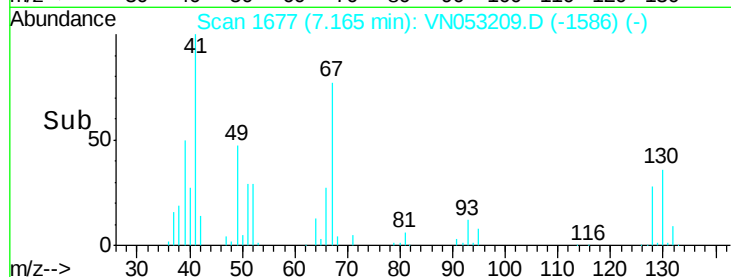
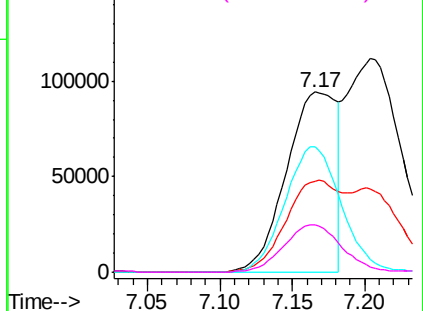
#41
Methacrylonitrile
Concen: 51.540 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 225324
Ion Ratio Lower Upper
41 100
39 58.2 48.0 72.0
67 79.5 70.3 105.5
52 31.0 26.9 40.3

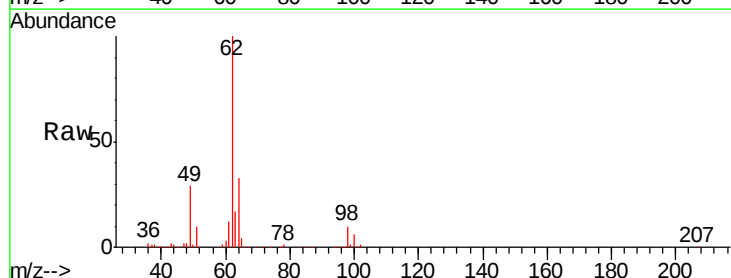


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

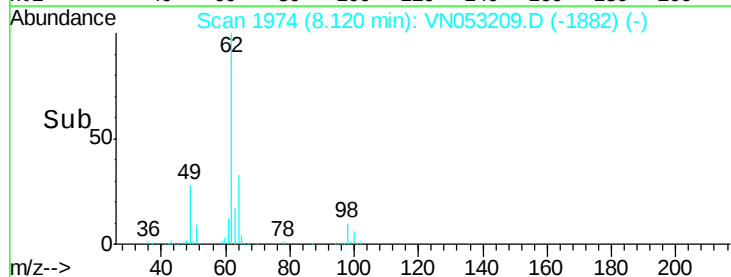
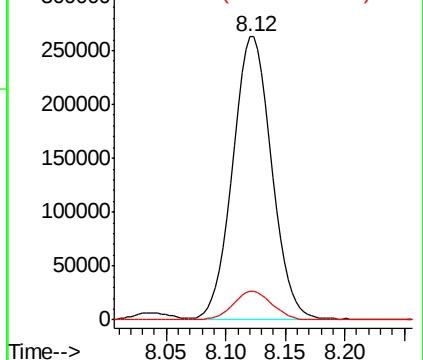


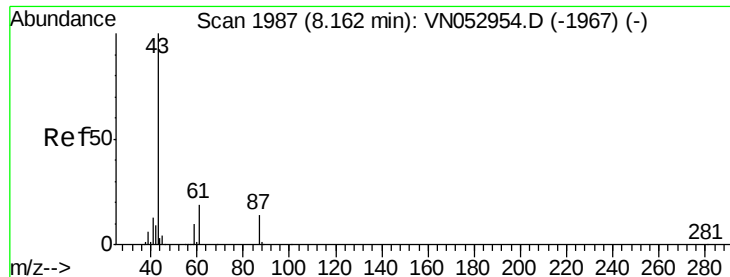
#42
1,2-Dichloroethane
Concen: 49.877 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 62 Resp: 594030
Ion Ratio Lower Upper
62 100
98 10.1 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 46.337 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

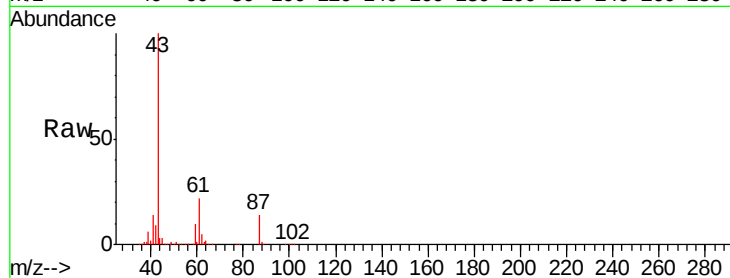
Tgt Ion: 43 Resp: 679607

Ion Ratio Lower Upper

43 100

61 30.3 22.9 34.3

87 14.0 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053209.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053209.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053209.D (-1894) (-)

8.16

400000

300000

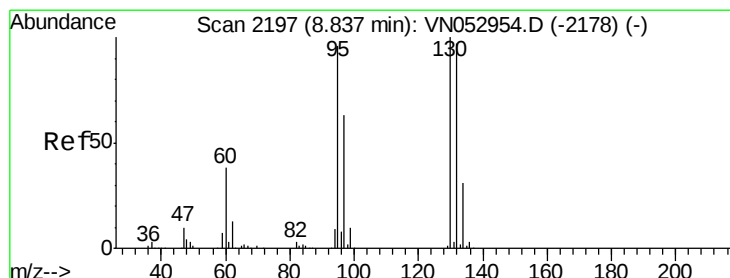
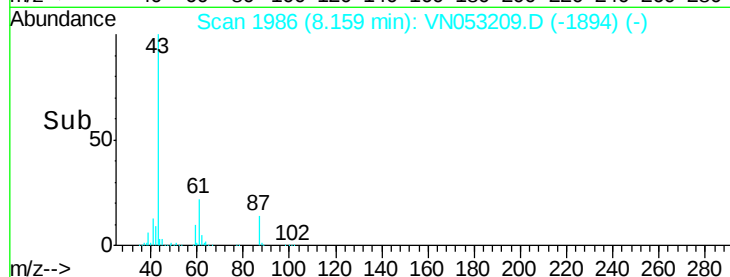
200000

100000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 48.808 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053209.D

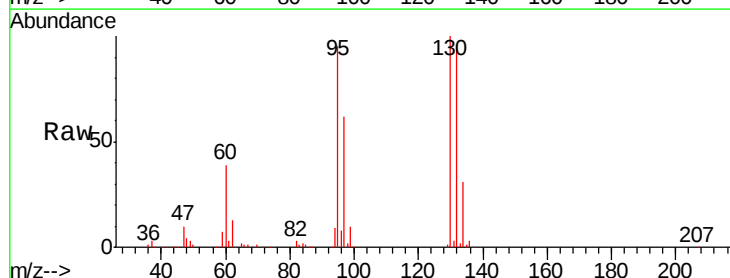
Acq: 27 Dec 2018 15:10

Tgt Ion: 130 Resp: 569144

Ion Ratio Lower Upper

130 100

95 94.9 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053209.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053209.D (-2104) (-)

8.83

300000

250000

200000

150000

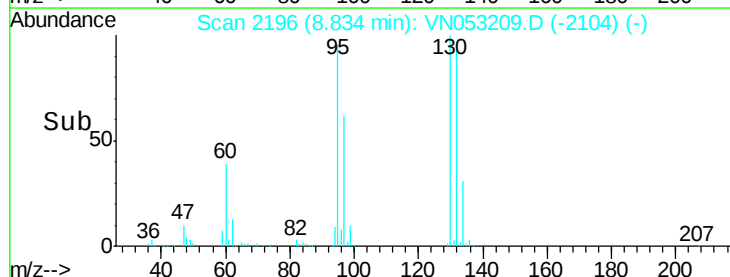
100000

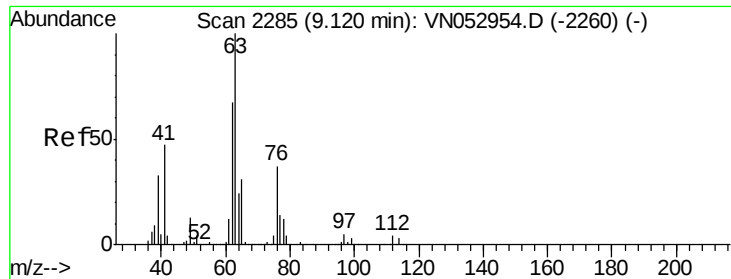
50000

0

8.70 8.80 8.90

Time-->

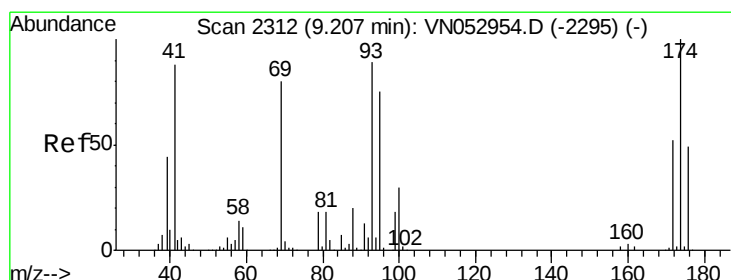
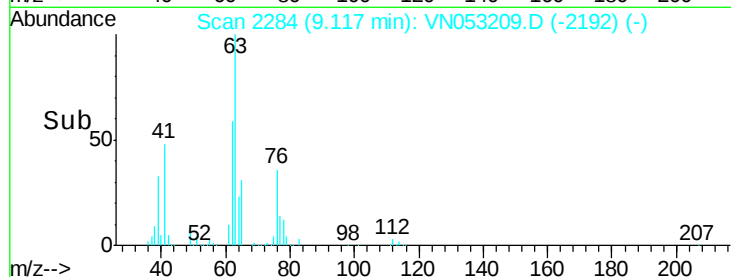
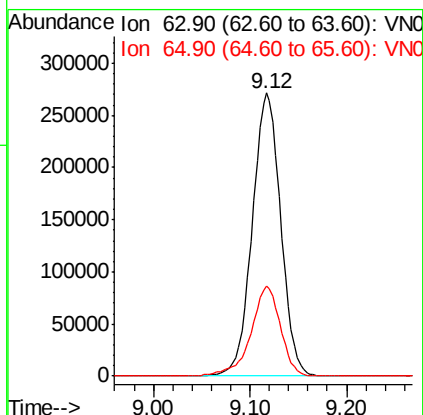
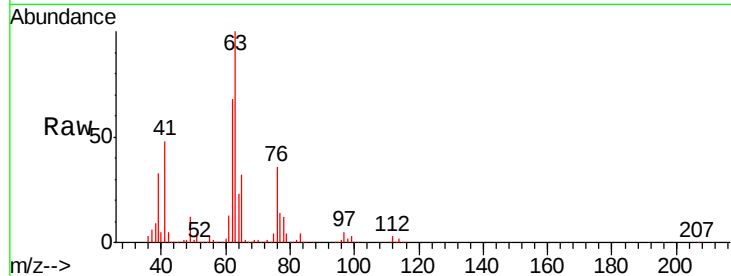




#45
 1,2-Dichloropropane
 Concen: 52.732 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

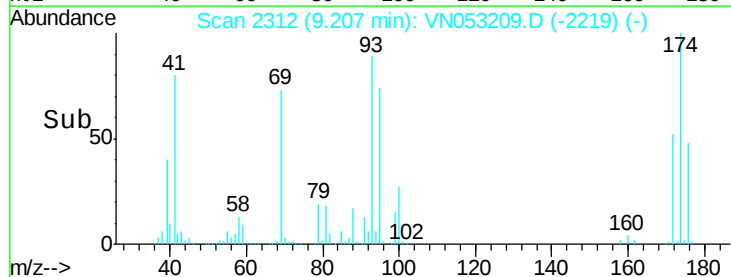
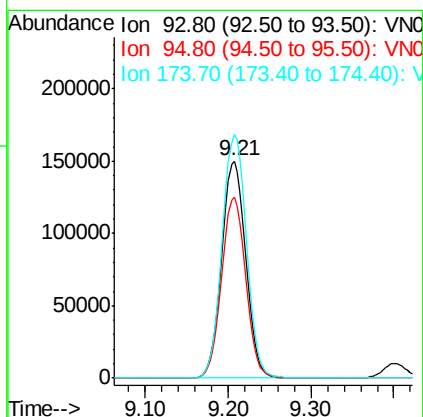
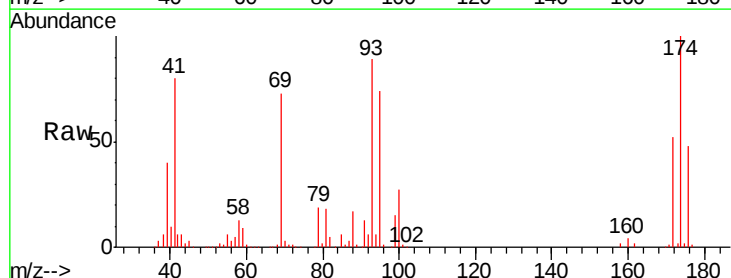
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 553745
 Ion Ratio Lower Upper
 63 100
 65 31.8 24.6 37.0



#46
 Dibromomethane
 Concen: 49.555 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 93 Resp: 303143
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.8 101.6
 174 113.5 89.0 133.4

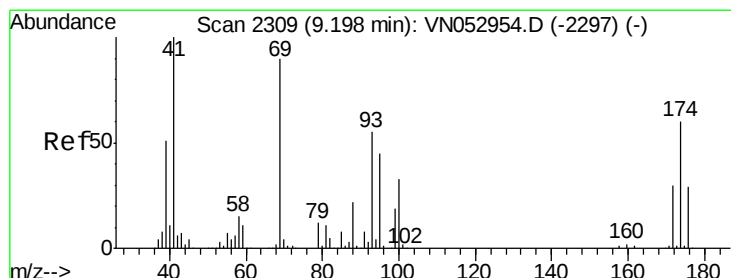
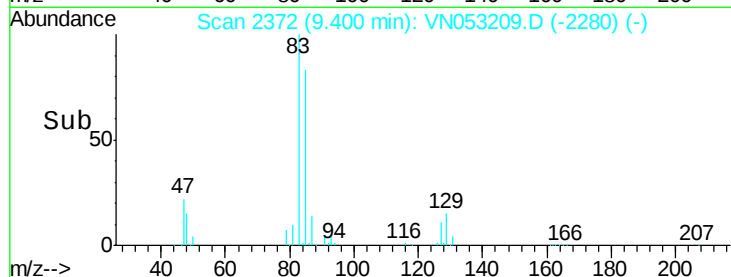
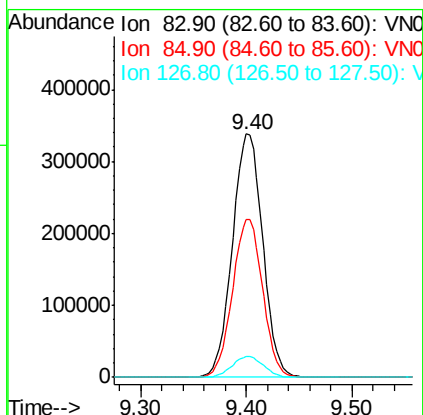
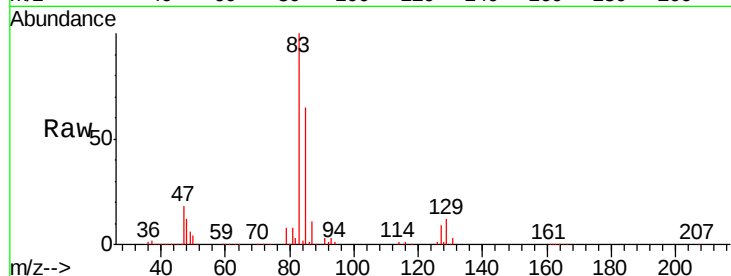




#47
Bromodichloromethane
Concen: 51.797 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

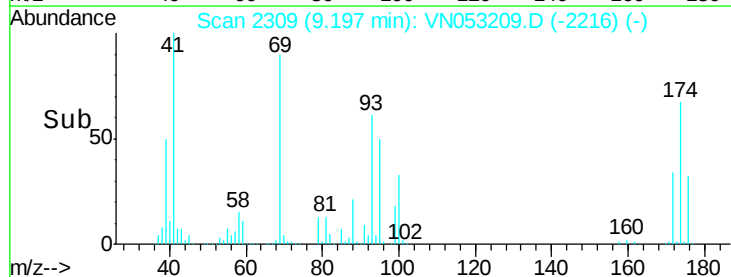
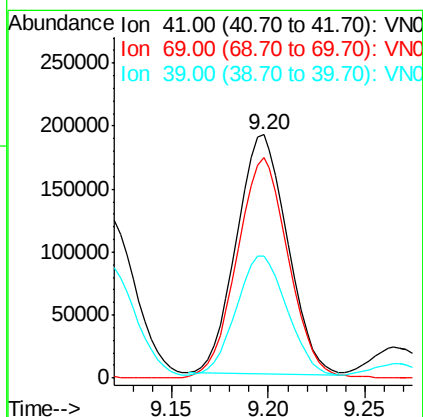
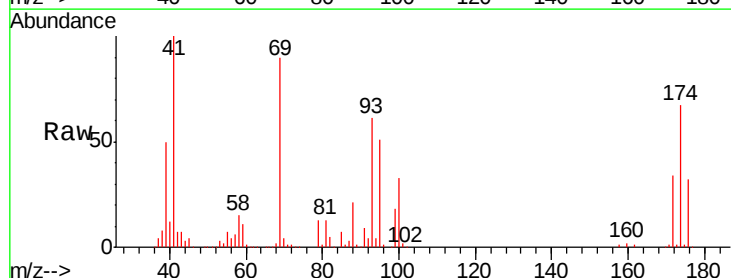
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

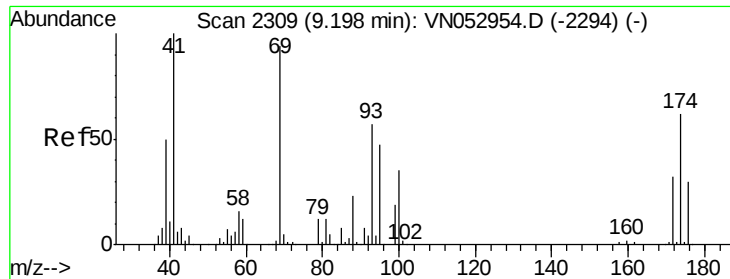
Tgt Ion: 83 Resp: 673538
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4
127 8.7 7.1 10.7



#48
Methyl methacrylate
Concen: 47.548 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 41 Resp: 349106
Ion Ratio Lower Upper
41 100
69 92.9 72.2 108.2
39 52.4 41.9 62.9

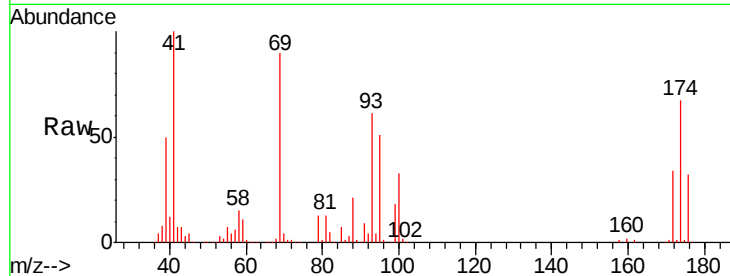




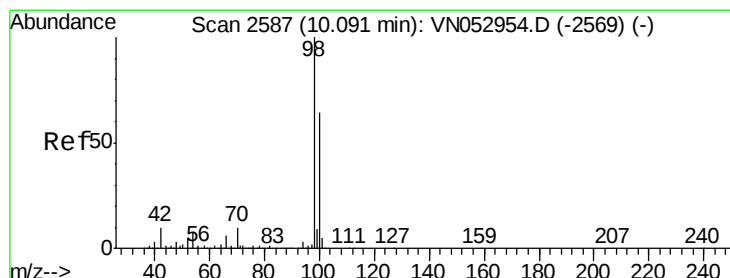
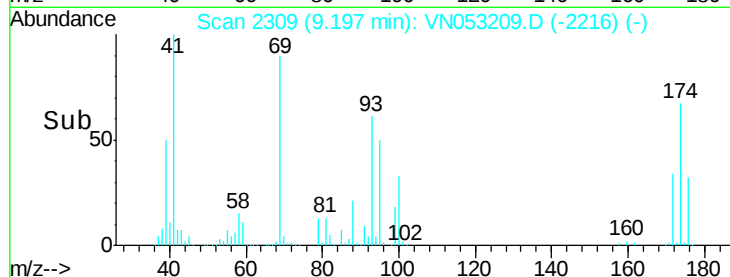
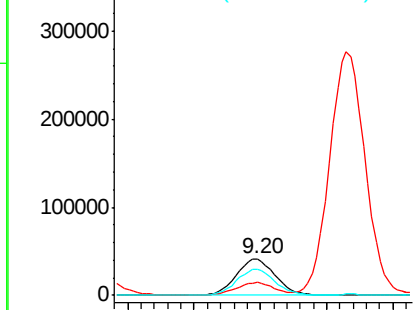
#49
 1,4-Dioxane
 Concen: 909.307 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 88 Resp: 84453
 Ion Ratio Lower Upper
 88 100
 43 32.2 26.6 40.0
 58 70.3 58.4 87.6

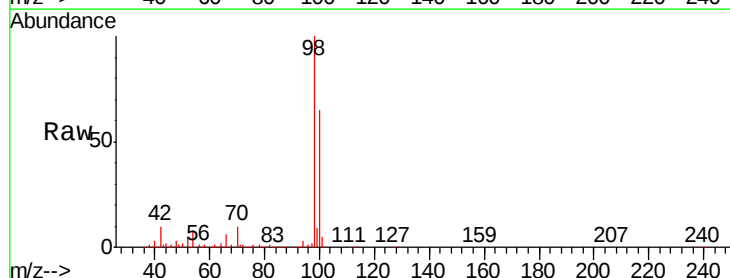


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

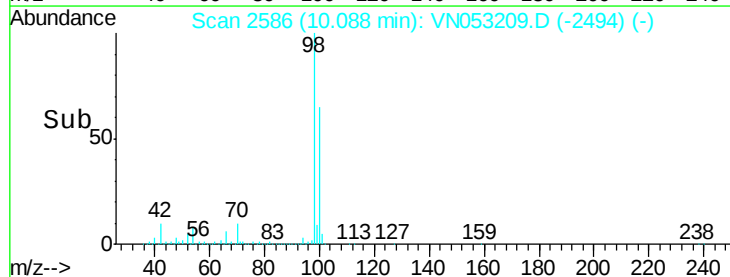
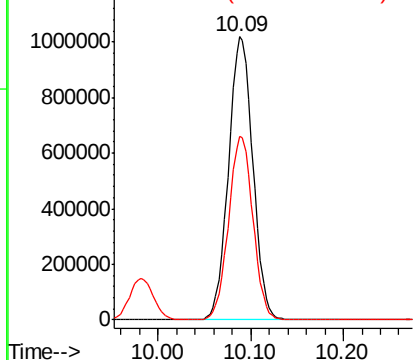


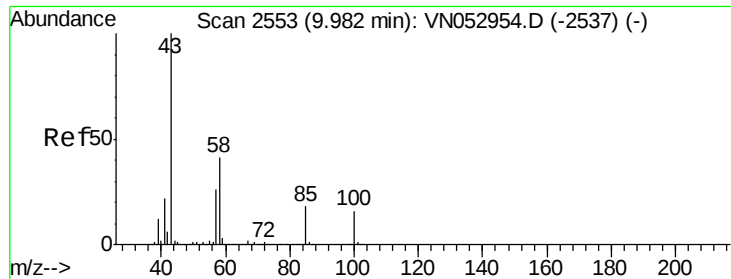
#50
 Toluene-d8
 Concen: 909.307 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 98 Resp: 1851466
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

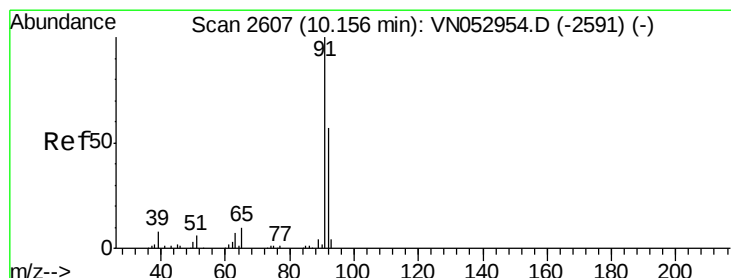
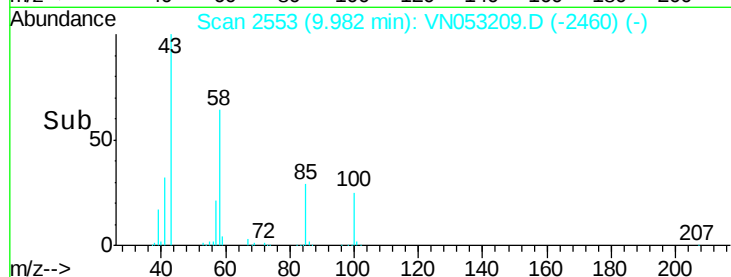
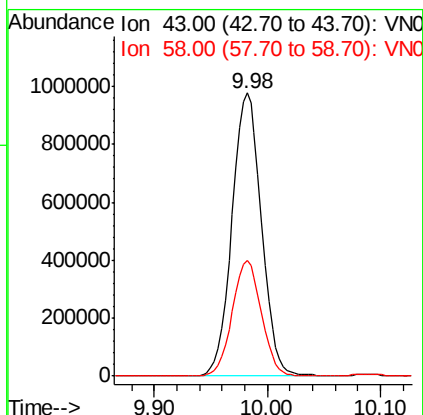
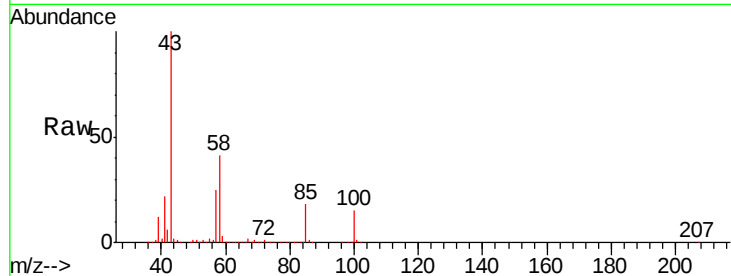




#51
 4-Methyl-2-Pentanone
 Concen: 240.863 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

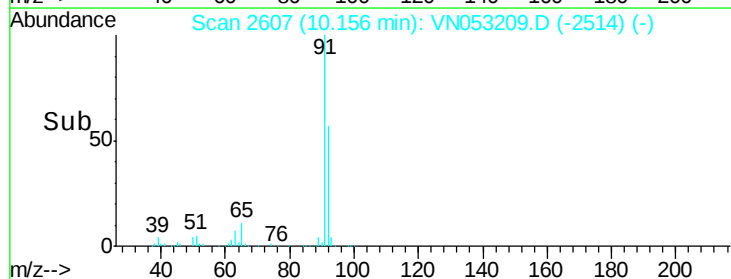
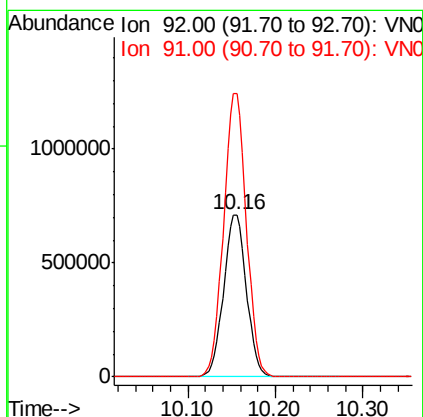
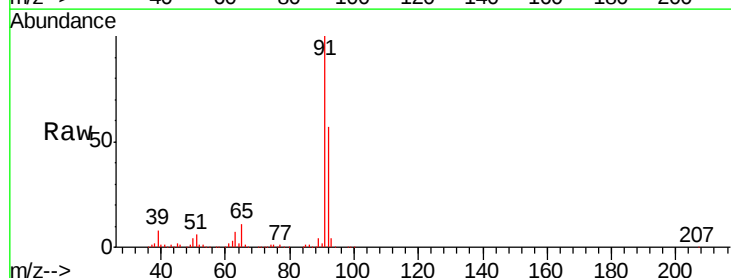
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1764922
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.2 48.4



#52
 Toluene
 Concen: 51.300 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 92 Resp: 1281918
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 51.007 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

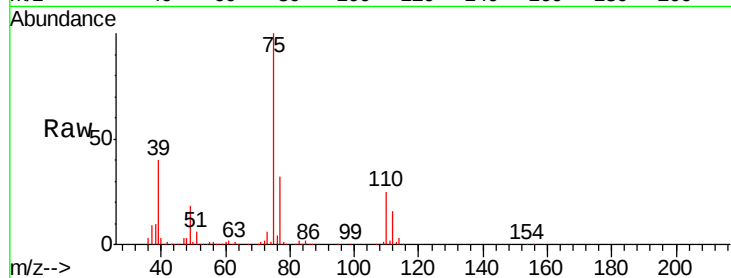
VSTDCCC050EC

Tgt Ion: 75 Resp: 697456

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

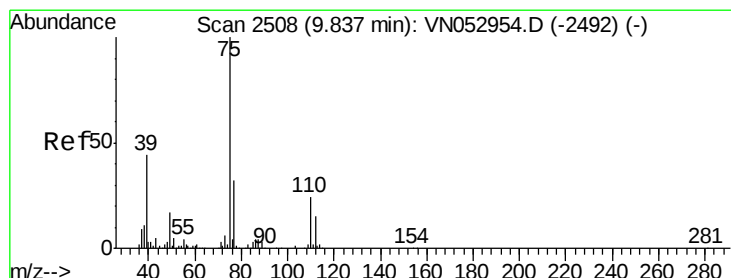
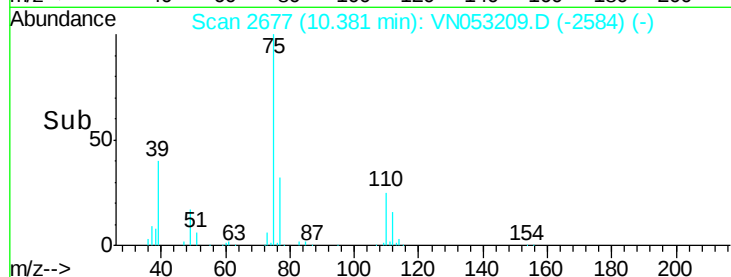
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.321 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

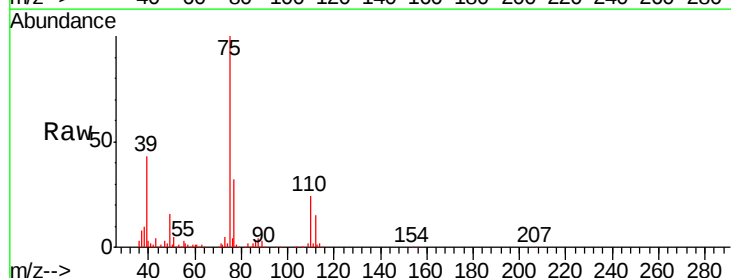
Tgt Ion: 75 Resp: 821188

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 42.7 34.8 52.2



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

600000

500000

400000

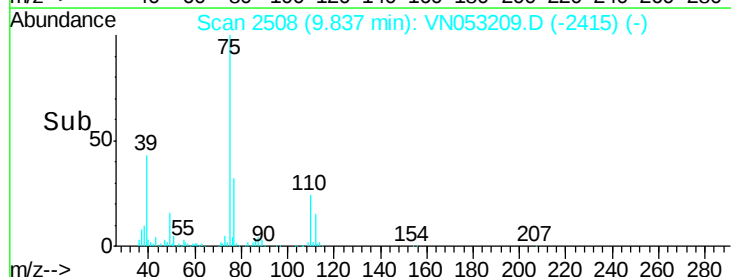
300000

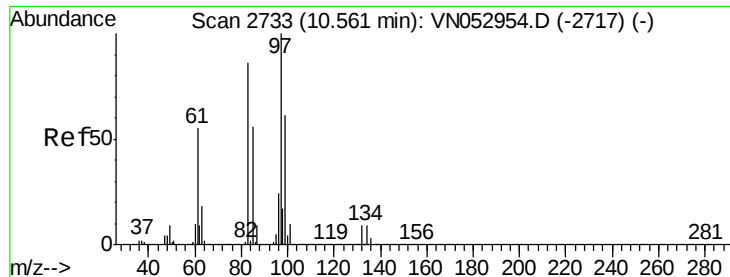
200000

100000

0

Time-->

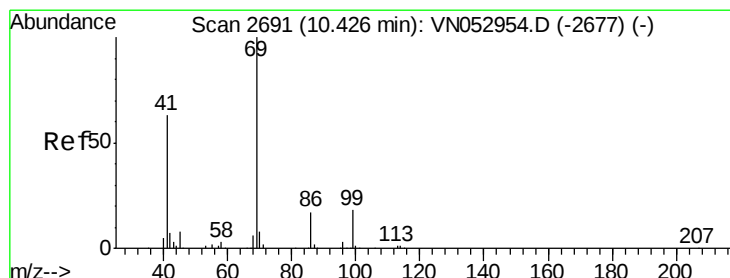
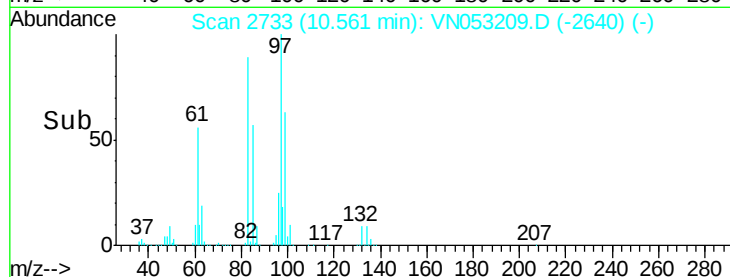
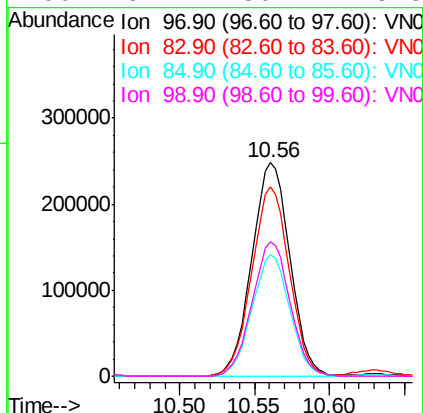
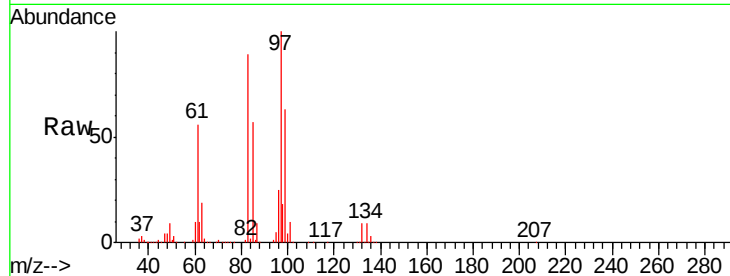




#55
 1,1,2-Trichloroethane
 Concen: 50.543 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

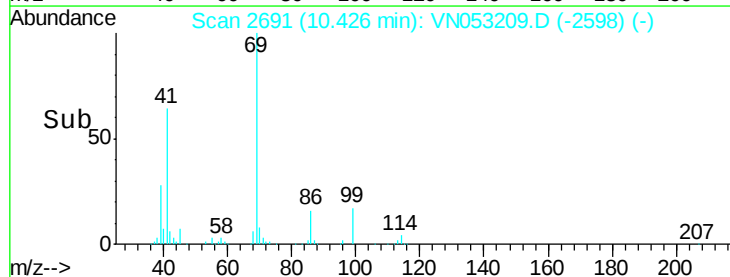
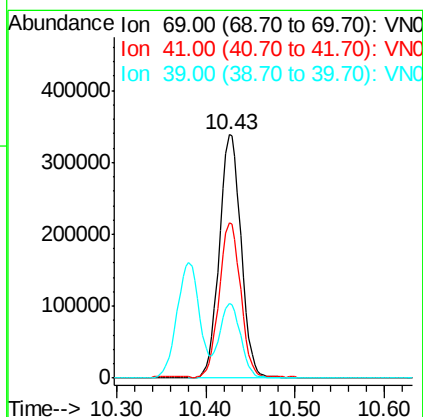
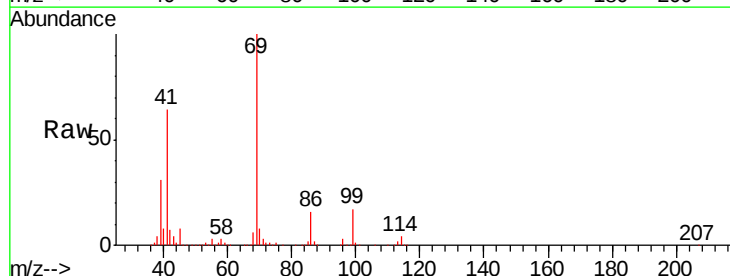
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	440627
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.9	106.3
85	56.9	45.4	68.2
99	62.7	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 49.509 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion:	69	Resp:	571279
Ion	Ratio	Lower	Upper
69	100		
41	62.1	51.7	77.5
39	29.4	24.6	37.0





#57

1,3-Dichloropropane

Concen: 50.794 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

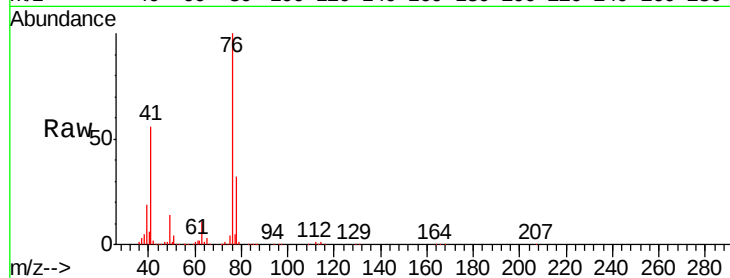
VSTDCCC050EC

Tgt Ion: 76 Resp: 759343

Ion Ratio Lower Upper

76 100

78 32.2 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

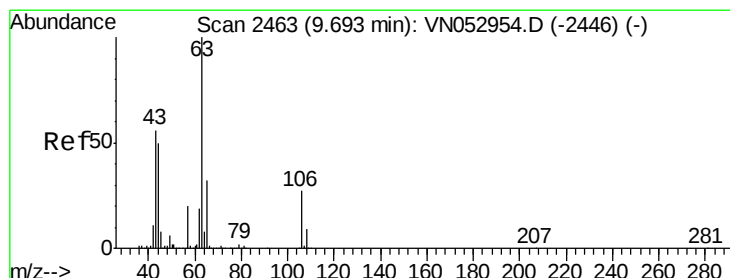
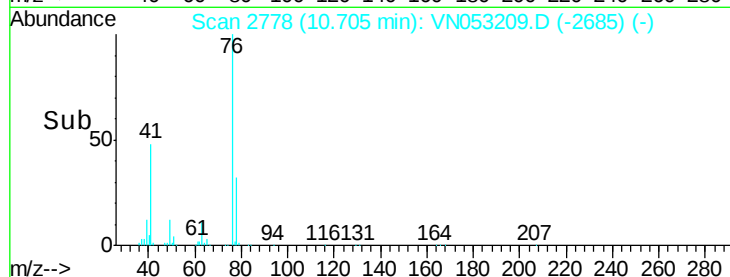
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 233.871 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053209.D

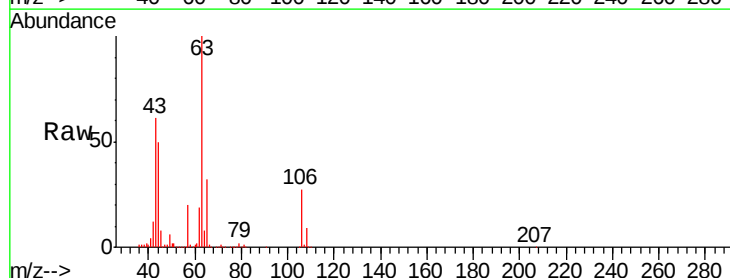
Acq: 27 Dec 2018 15:10

Tgt Ion: 63 Resp: 1481524

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

800000

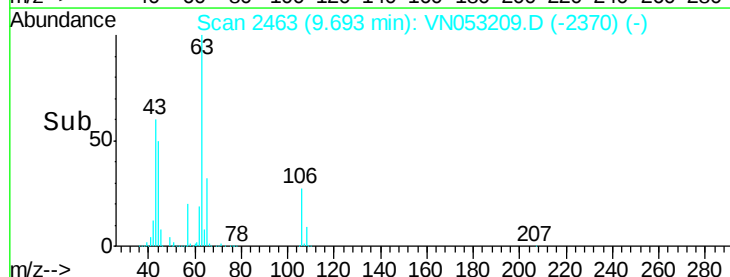
600000

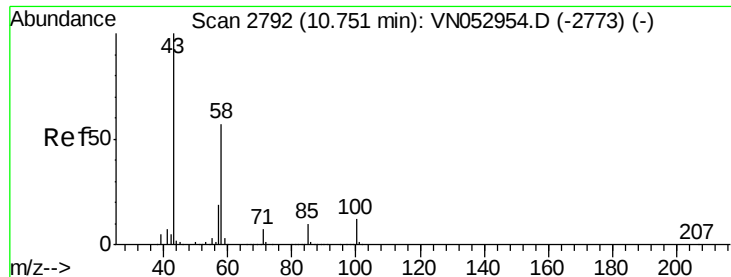
400000

200000

0

Time-->

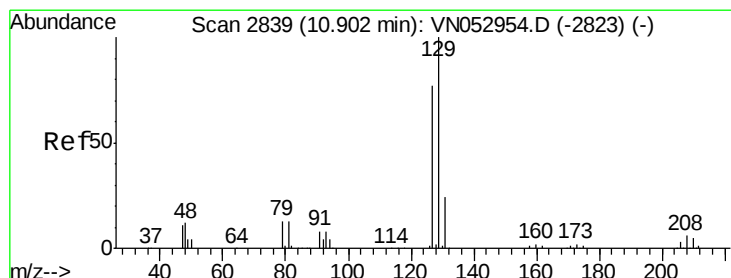
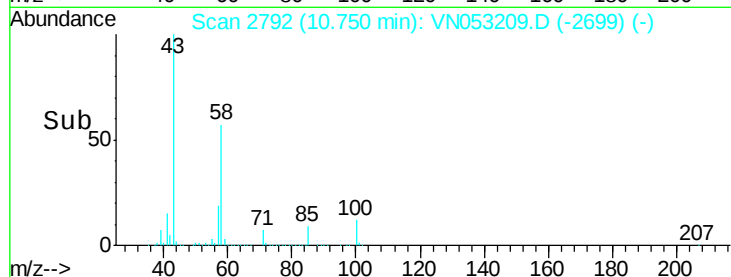
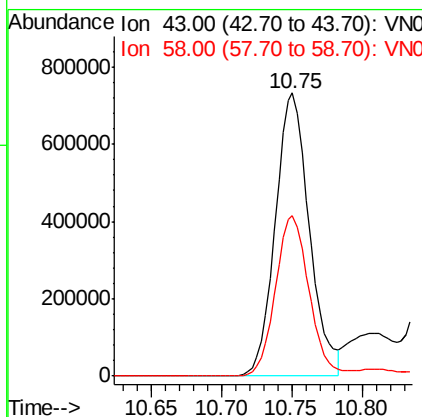
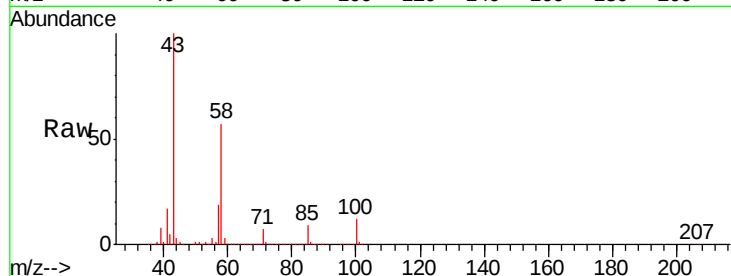




#59
2-Hexanone
Concen: 246.404 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

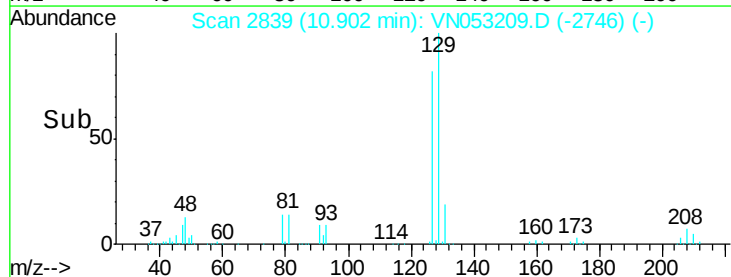
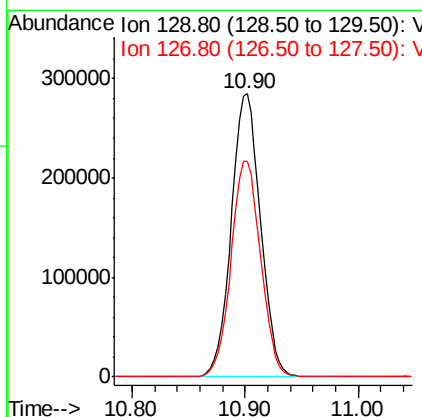
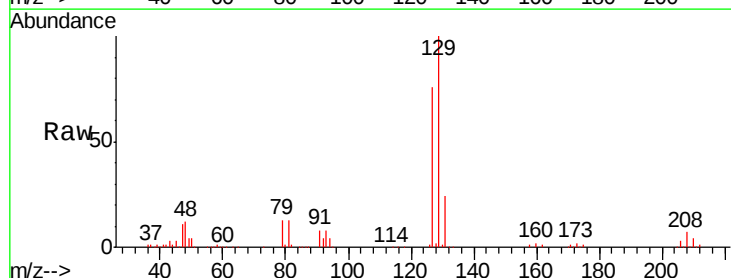
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1221586
Ion Ratio Lower Upper
43 100
58 55.9 28.1 84.3



#60
Dibromochloromethane
Concen: 51.390 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion: 129 Resp: 512824
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0

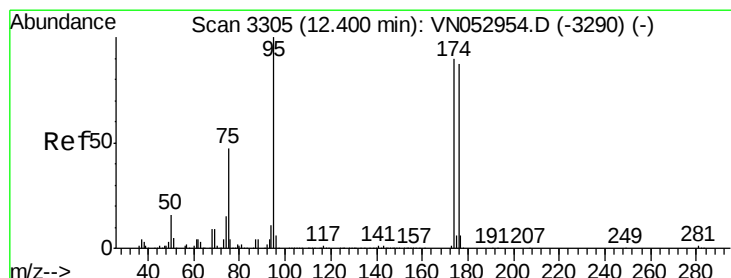
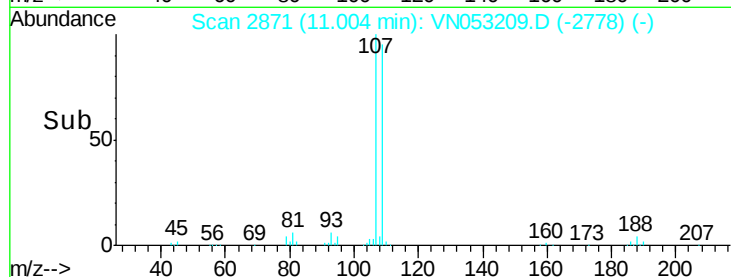
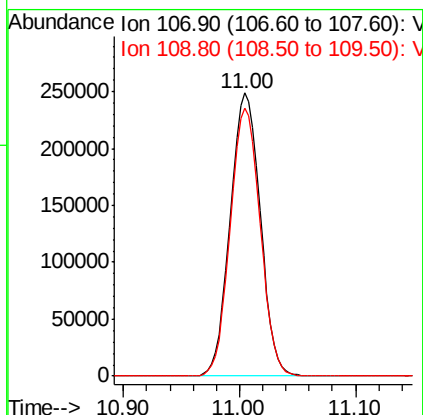
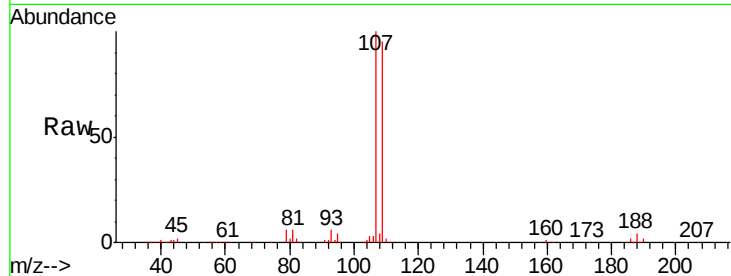




#61
 1,2-Dibromoethane
 Concen: 50.219 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

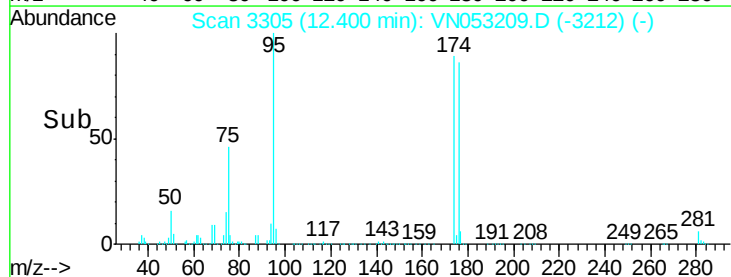
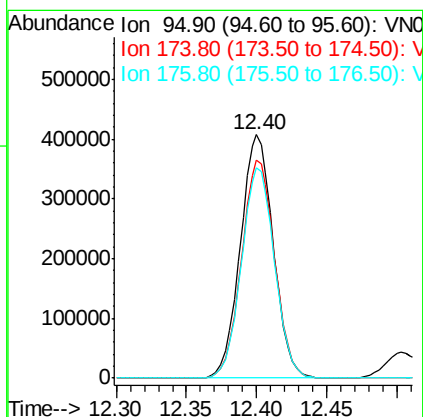
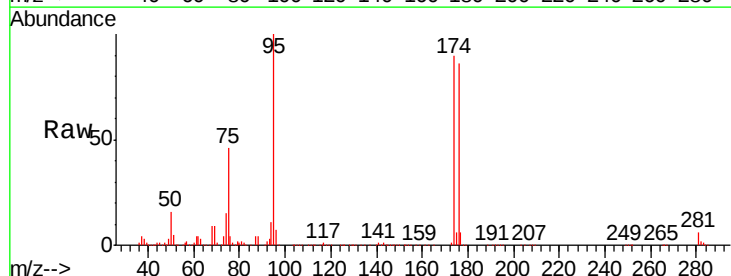
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

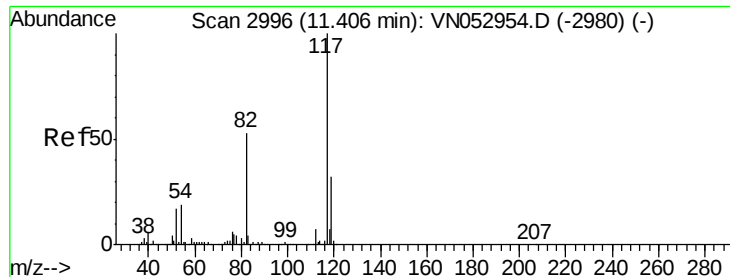
Tgt Ion: 107 Resp: 444636
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.219 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion: 95 Resp: 665592
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 178.8
 176 87.0 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

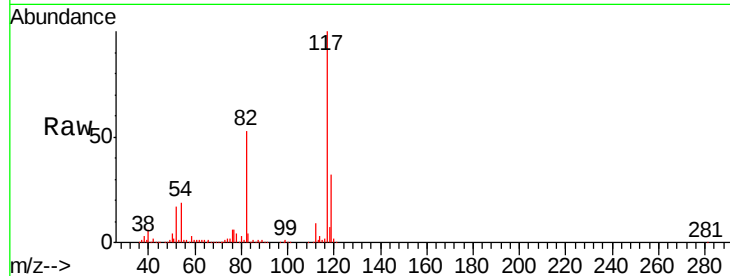
Tgt Ion:117 Resp: 1289529

Ion Ratio Lower Upper

117 100

82 53.5 42.8 64.2

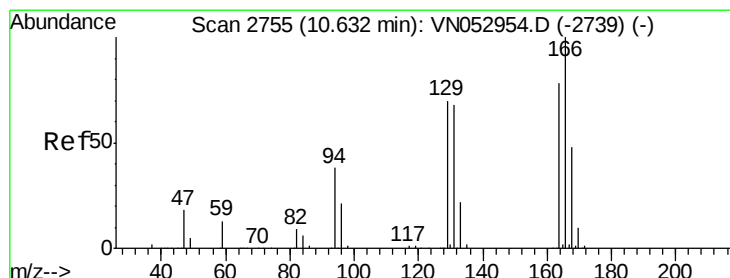
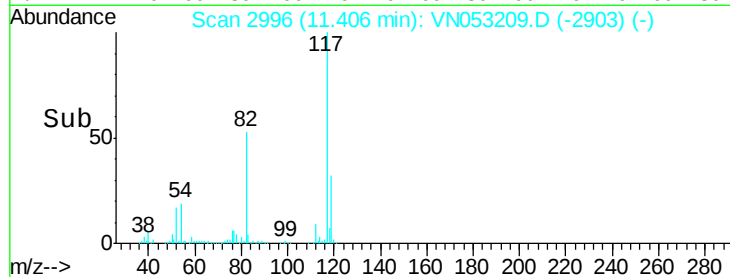
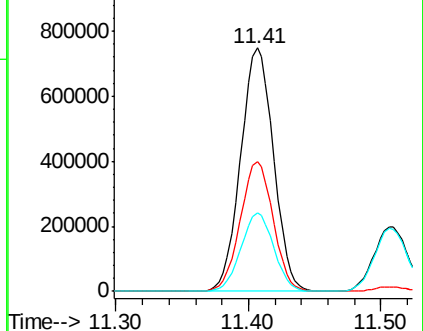
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.987 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion:164 Resp: 614427

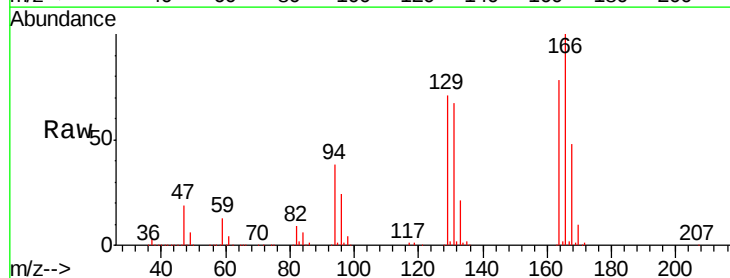
Ion Ratio Lower Upper

164 100

166 128.4 102.9 154.3

129 91.2 73.7 110.5

131 86.0 70.7 106.1

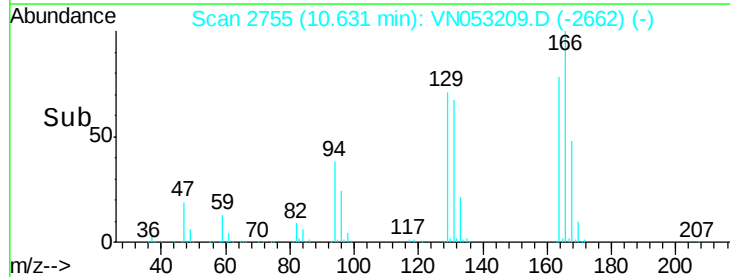
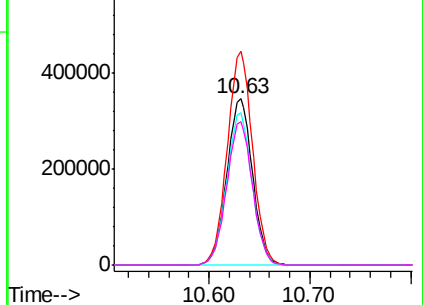


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

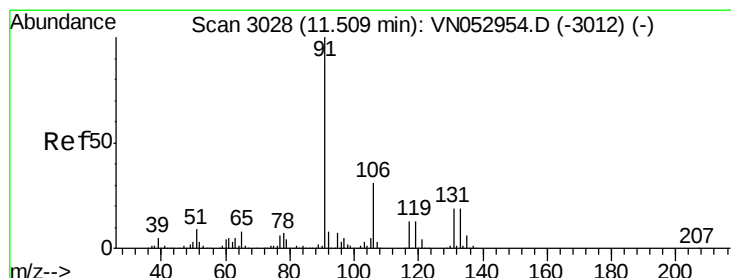
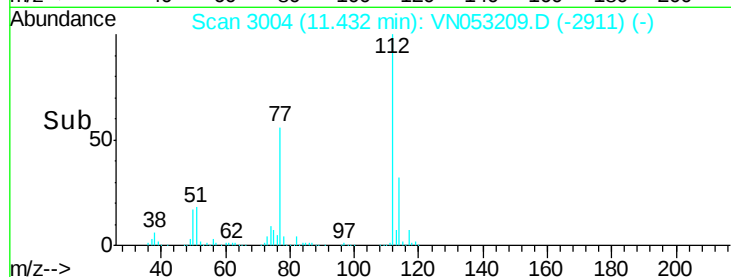
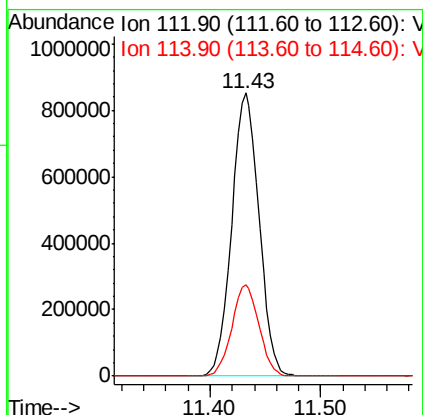
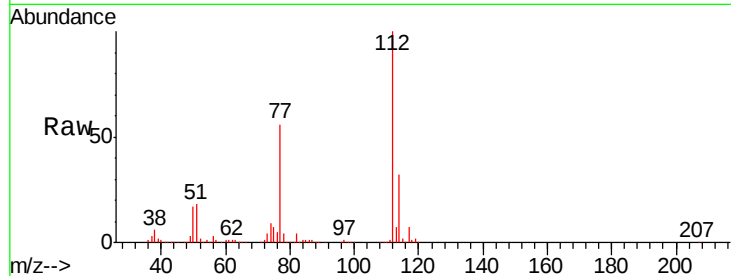




#65
Chlorobenzene
Concen: 51.056 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

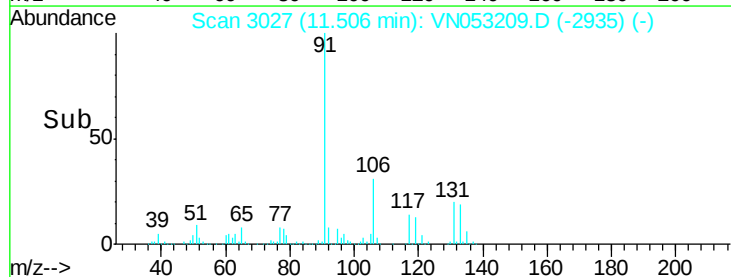
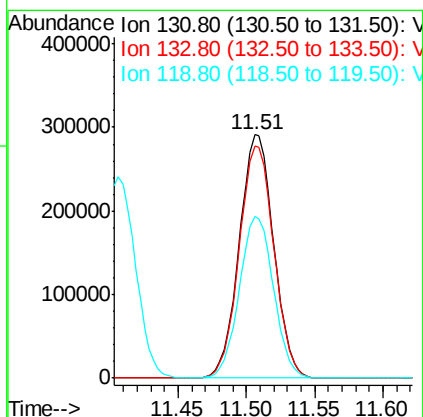
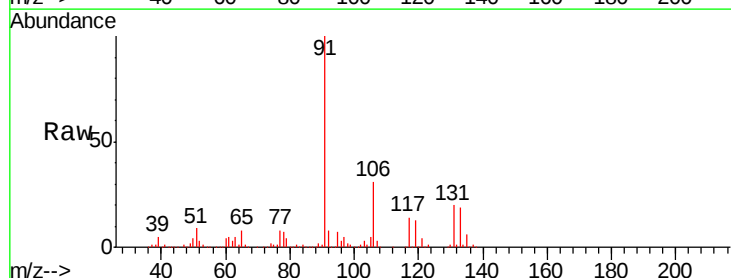
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

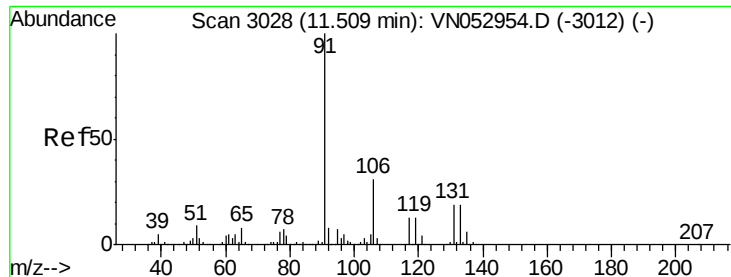
Tgt Ion:112 Resp: 1459452
Ion Ratio Lower Upper
112 100
114 32.3 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.324 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:131 Resp: 510185
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 66.2 33.3 99.8





#67

Ethyl Benzene

Concen: 51.346 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

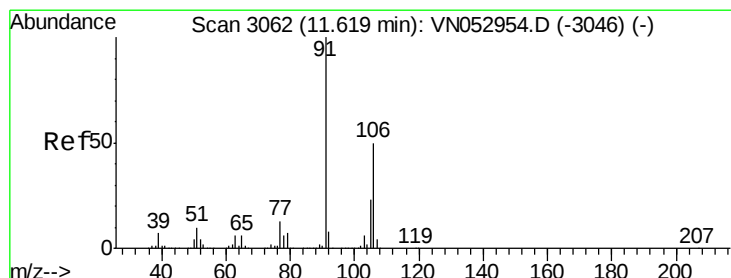
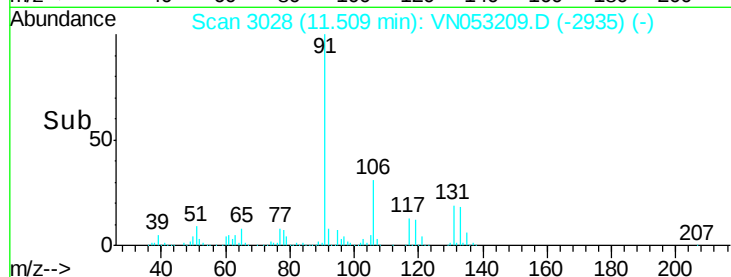
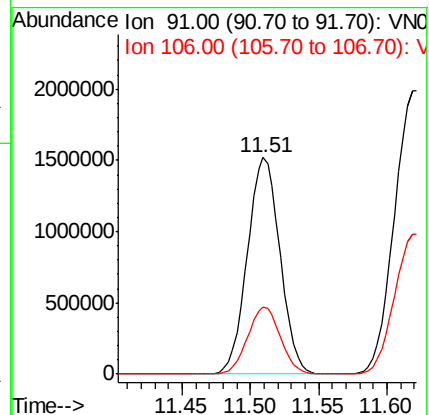
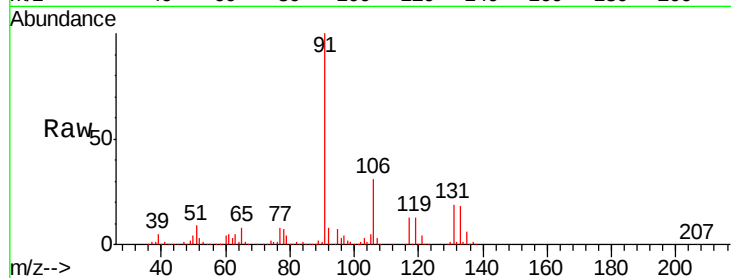
VSTDCCC050EC

Tgt Ion: 91 Resp: 2524111

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3



#68

m/p-Xylenes

Concen: 102.252 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053209.D

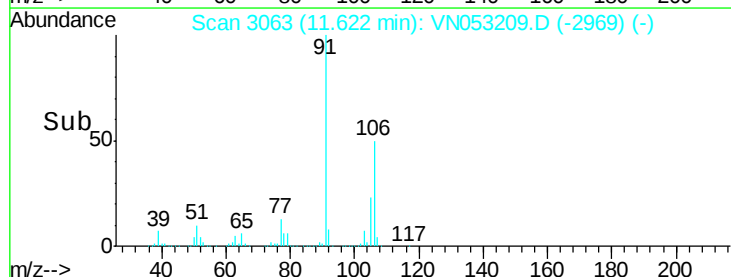
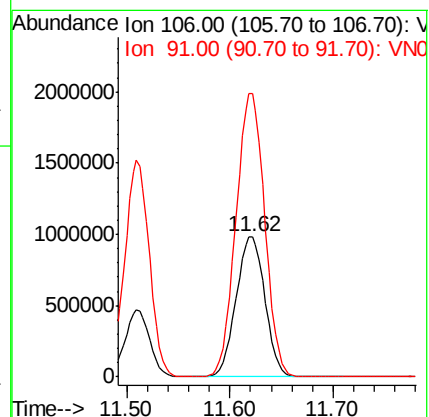
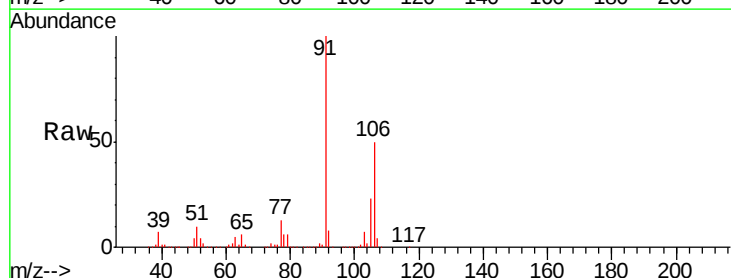
Acq: 27 Dec 2018 15:10

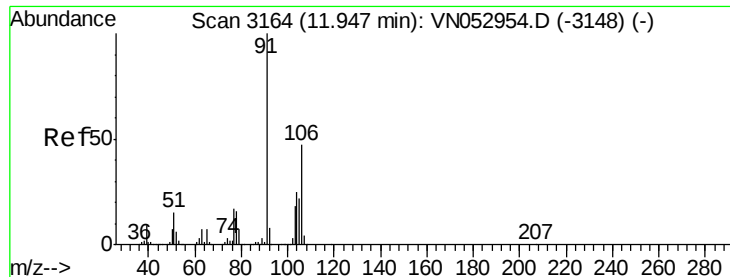
Tgt Ion: 106 Resp: 1910909

Ion Ratio Lower Upper

106 100

91 201.7 162.2 243.4

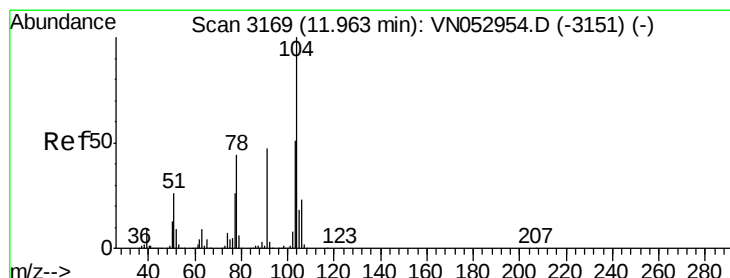
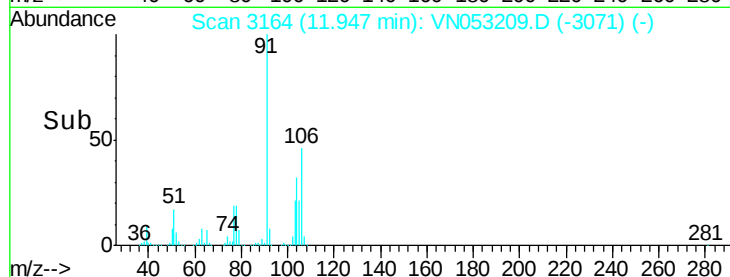
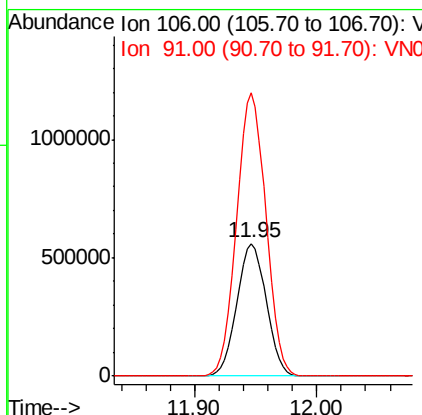
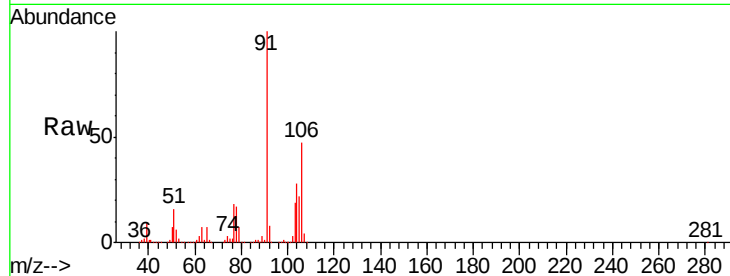




#69
o-Xylene
Concen: 52.000 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

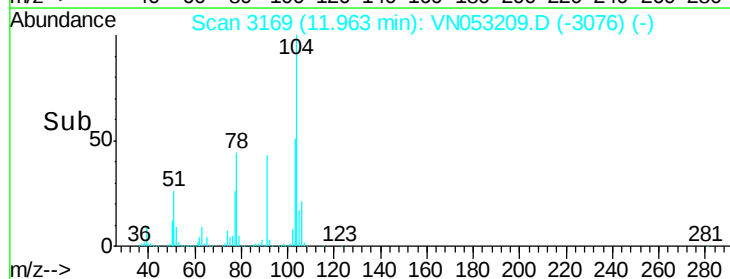
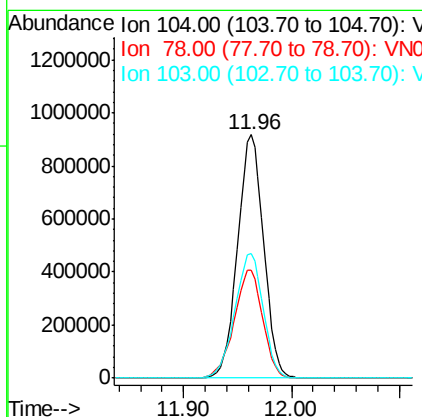
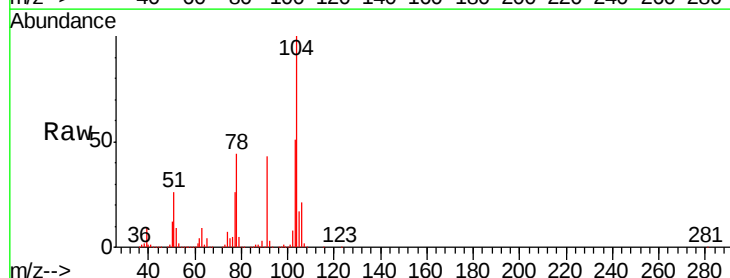
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

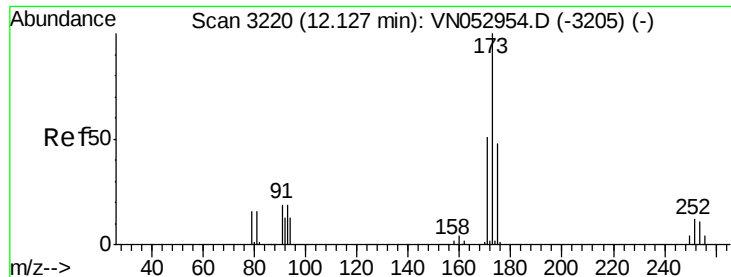
Tgt Ion:106 Resp: 932499
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8



#70
Styrene
Concen: 52.440 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:104 Resp: 1533430
Ion Ratio Lower Upper
104 100
78 48.8 38.9 58.3
103 55.8 44.3 66.5





#71

Bromoform

Concen: 47.975 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

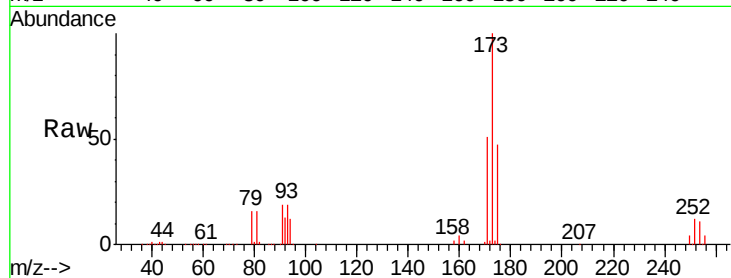
Tgt Ion:173 Resp: 344516

Ion Ratio Lower Upper

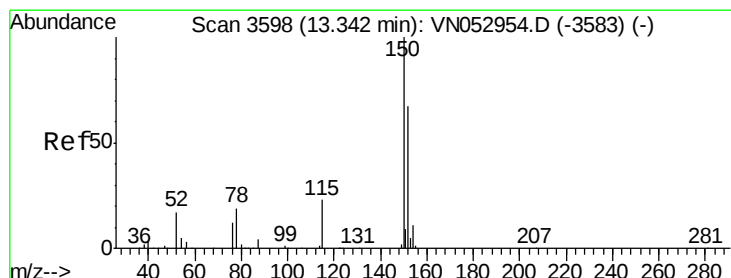
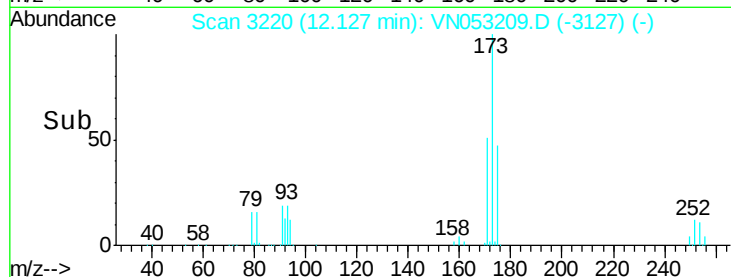
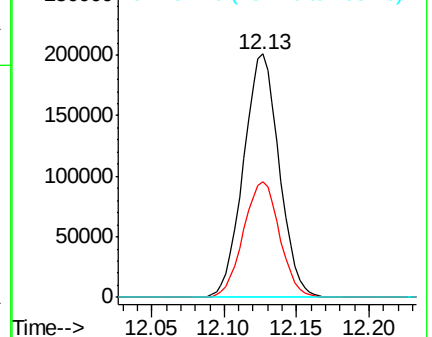
173 100

175 48.0 24.3 72.9

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

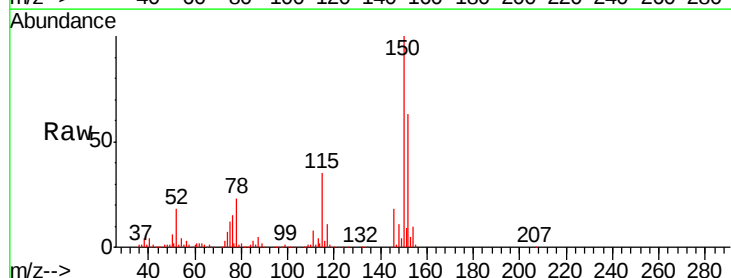
Tgt Ion:152 Resp: 596959

Ion Ratio Lower Upper

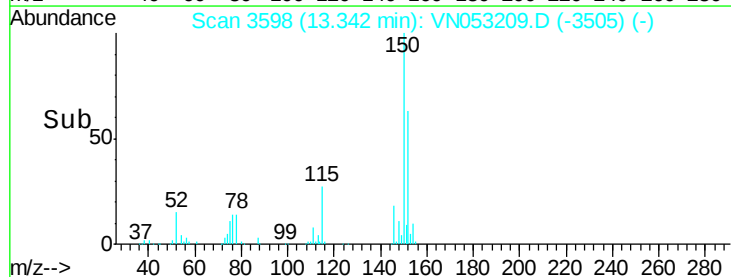
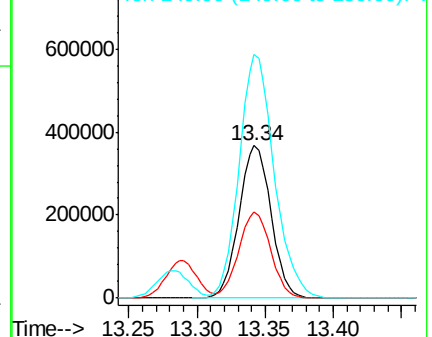
152 100

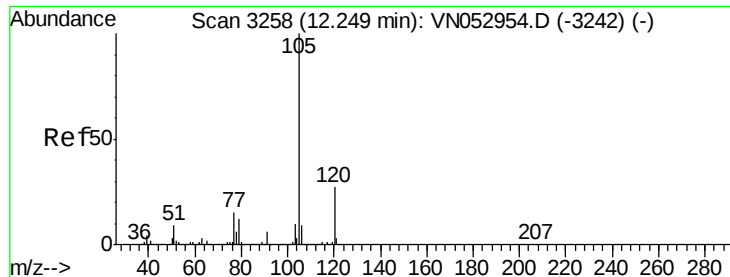
115 56.7 28.3 85.0

150 175.4 0.0 347.8



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: 52.902 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

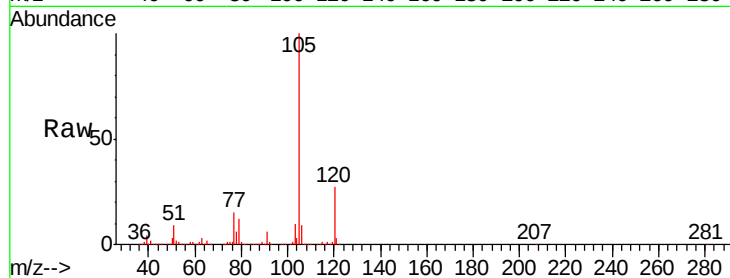
VSTDCCC050EC

Tgt Ion: 105 Resp: 2470897

Ion Ratio Lower Upper

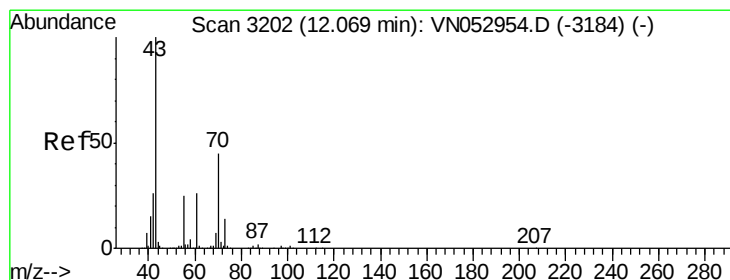
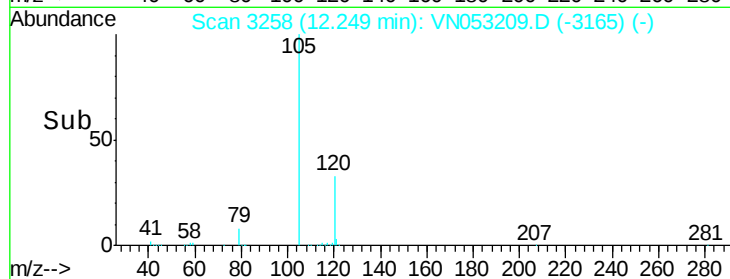
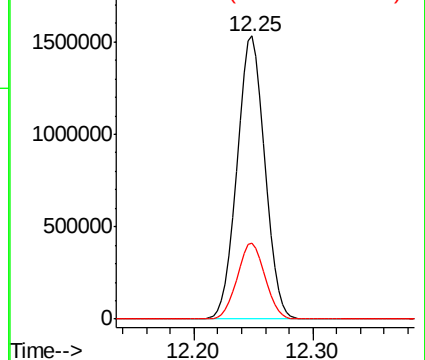
105 100

120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.068 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Tgt Ion: 43 Resp: 636287

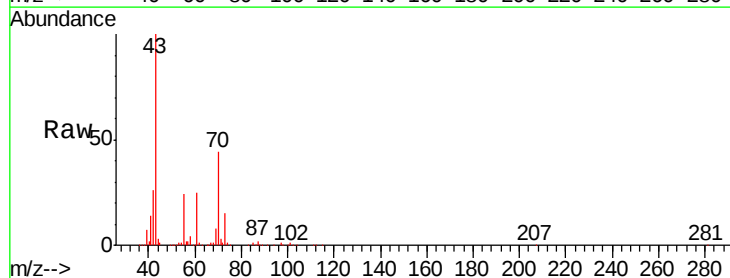
Ion Ratio Lower Upper

43 100

70 43.5 34.2 51.4

55 24.5 20.3 30.5

61 25.6 20.0 30.0

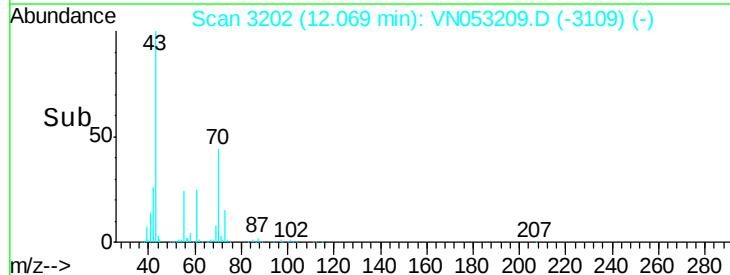
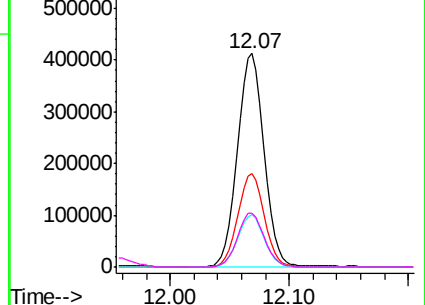


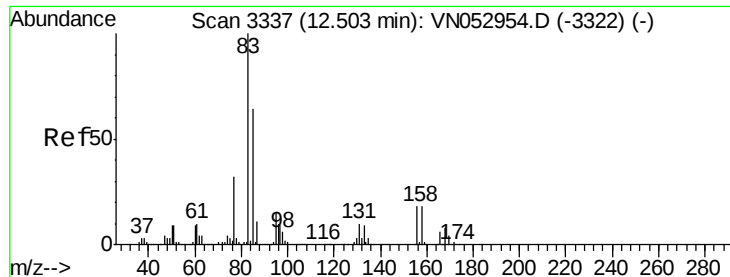
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.223 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

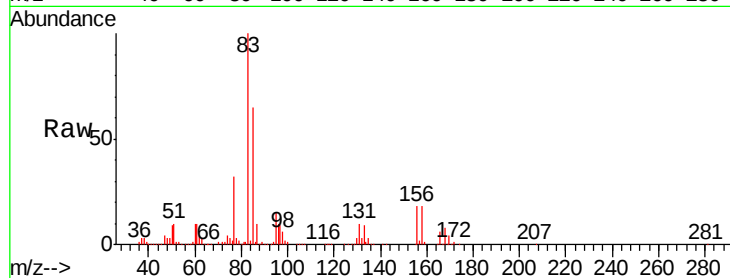
Tgt Ion: 83 Resp: 487695

Ion Ratio Lower Upper

83 100

131 10.6 5.2 15.6

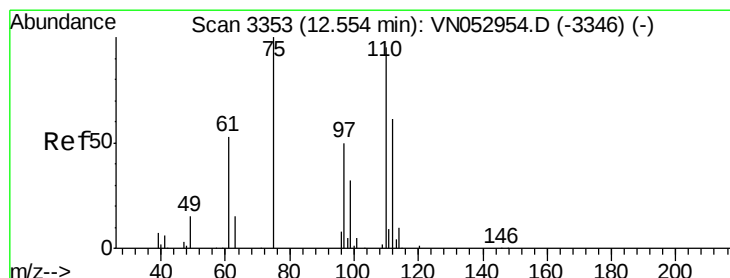
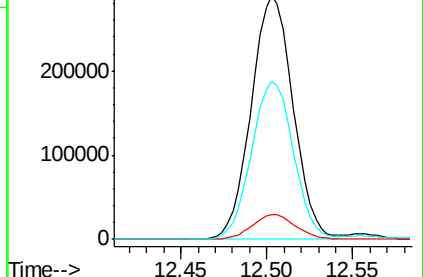
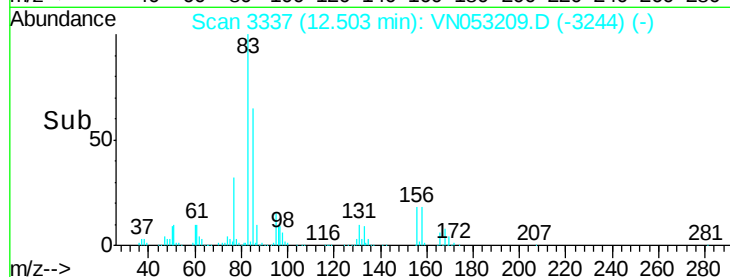
85 65.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053209.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053209.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053209.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 66.164 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053209.D

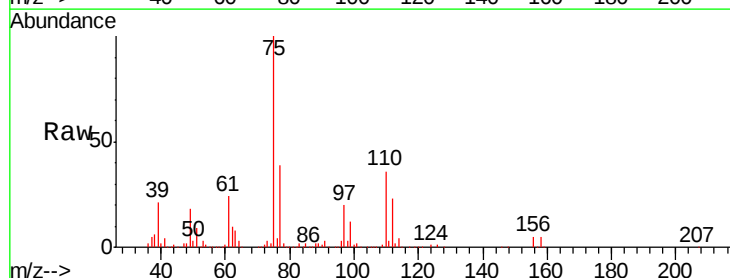
Acq: 27 Dec 2018 15:10

Tgt Ion: 75 Resp: 664892

Ion Ratio Lower Upper

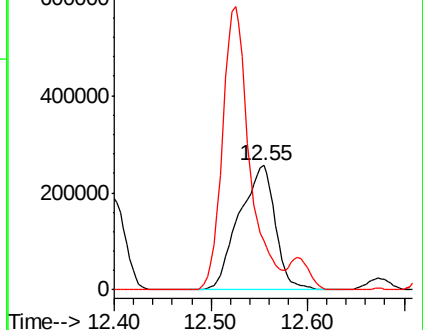
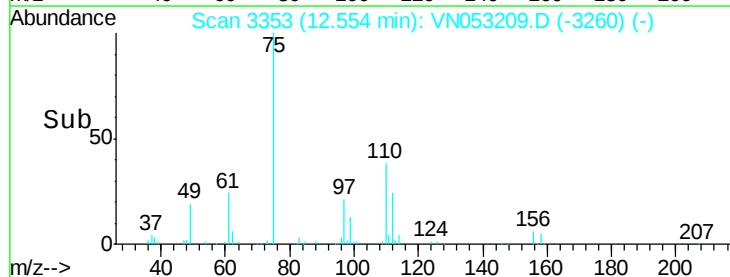
75 100

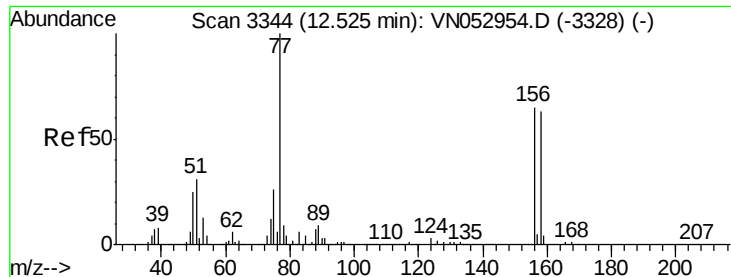
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053209.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053209.D (-3260) (-)





#77

Bromobenzene

Concen: 52.315 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

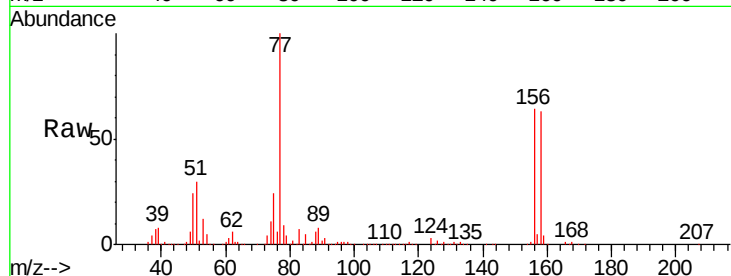
Tgt Ion:156 Resp: 635165

Ion Ratio Lower Upper

156 100

77 178.6 91.3 273.8

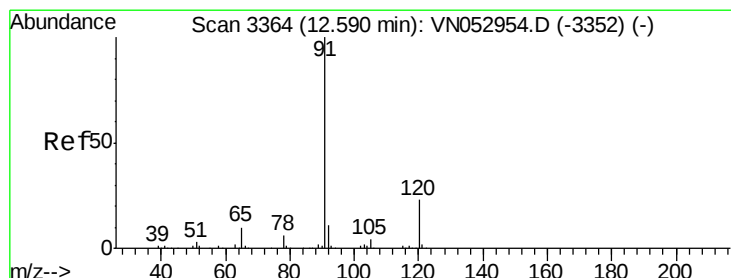
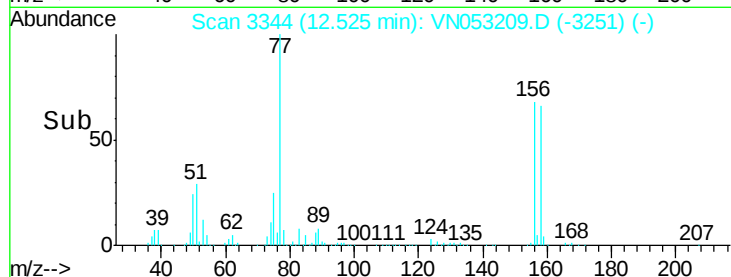
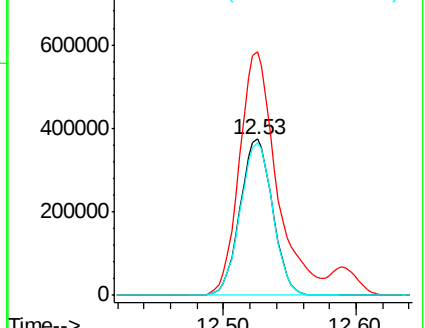
158 97.7 49.0 147.2



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: 53.278 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053209.D

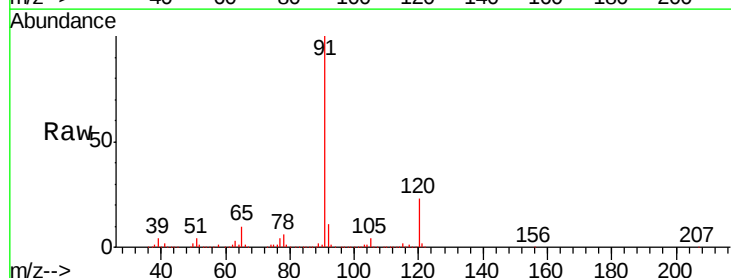
Acq: 27 Dec 2018 15:10

Tgt Ion: 91 Resp: 2834123

Ion Ratio Lower Upper

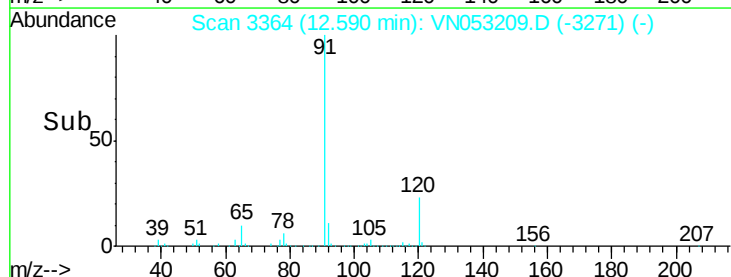
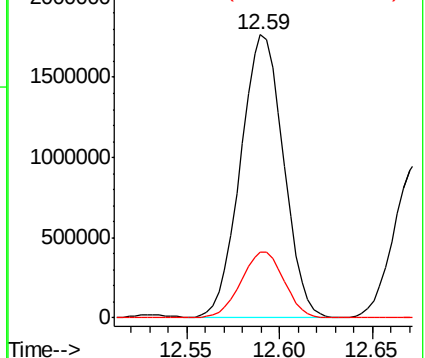
91 100

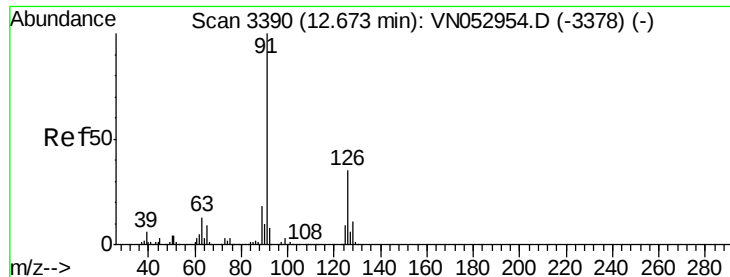
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.383 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

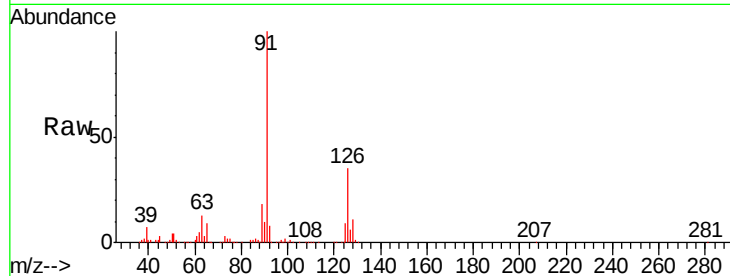
VSTDCCC050EC

Tgt Ion: 91 Resp: 1661253

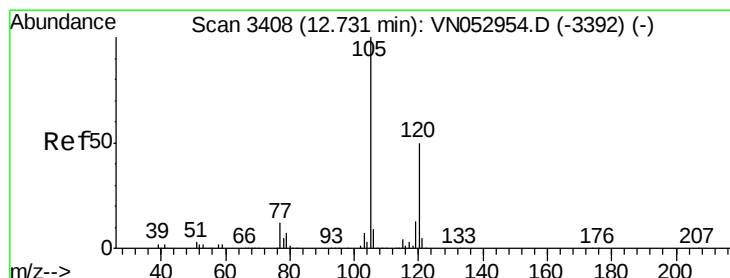
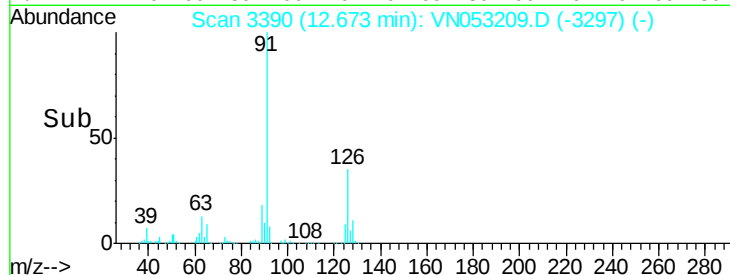
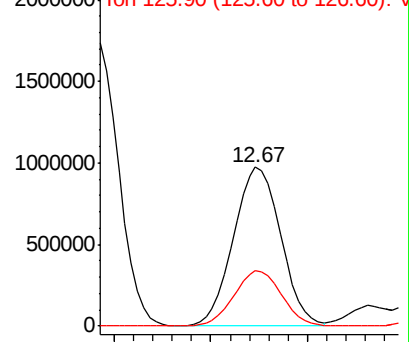
Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.018 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053209.D

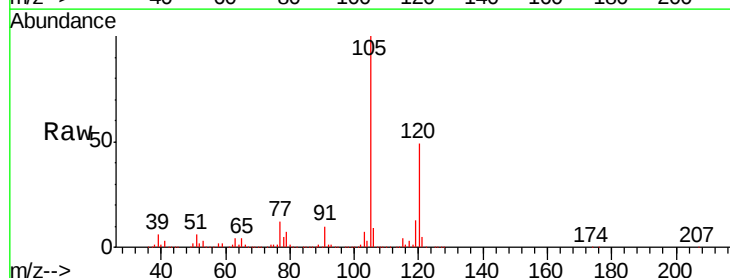
Acq: 27 Dec 2018 15:10

Tgt Ion: 105 Resp: 1980329

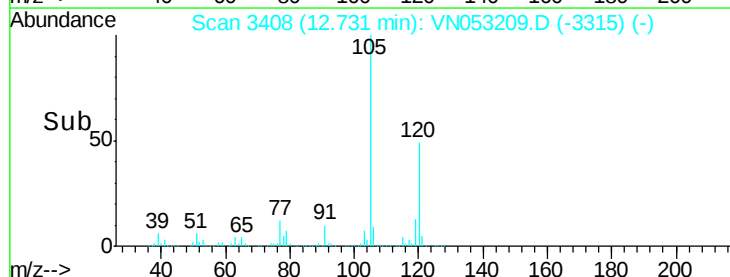
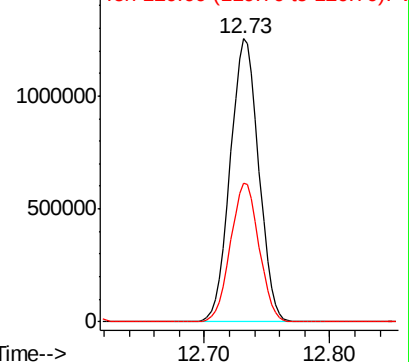
Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 49.744 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

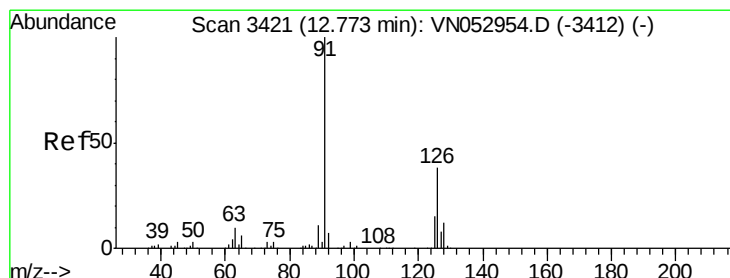
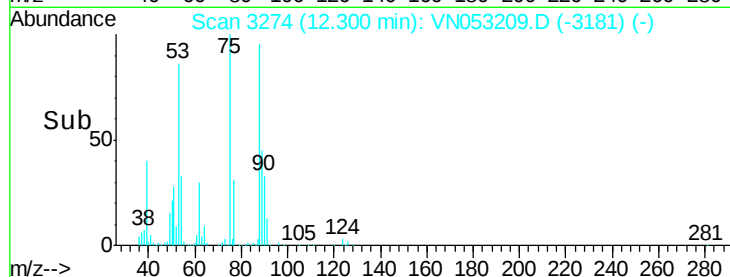
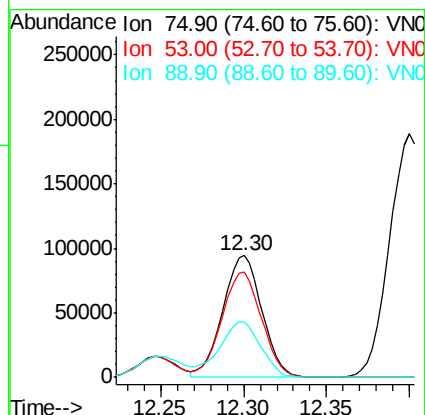
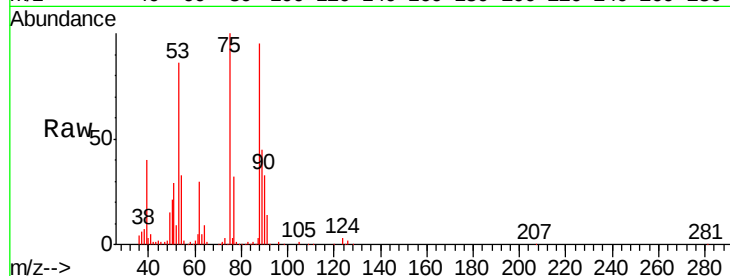
Tgt Ion: 75 Resp: 155093

Ion Ratio Lower Upper

75 100

53 88.1 74.7 112.1

89 47.7 36.1 54.1



#82

4-Chlorotoluene

Concen: 52.464 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053209.D

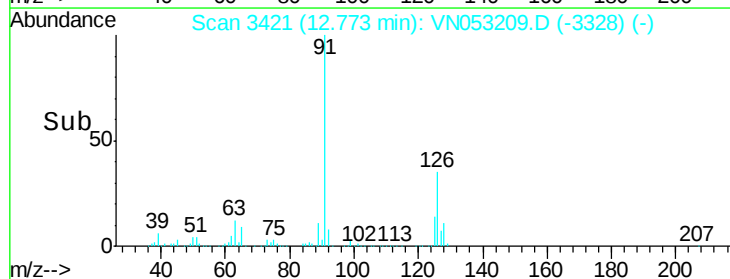
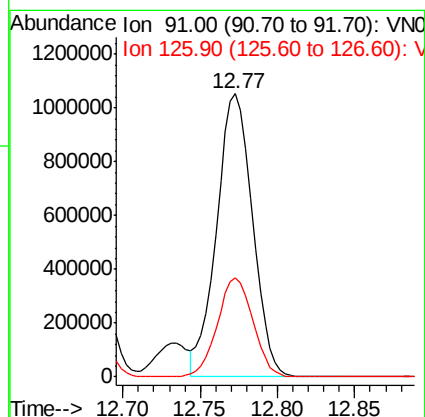
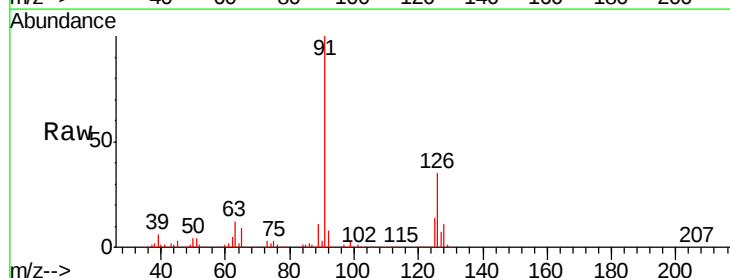
Acq: 27 Dec 2018 15:10

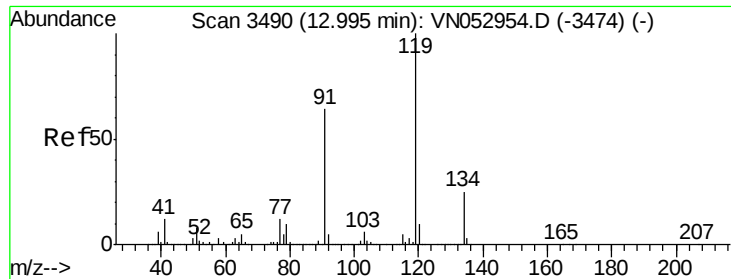
Tgt Ion: 91 Resp: 1693404

Ion Ratio Lower Upper

91 100

126 34.7 17.3 51.7

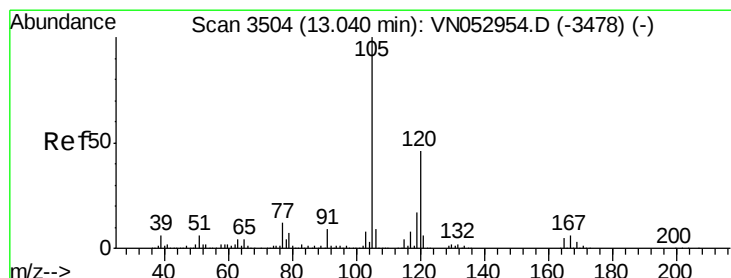
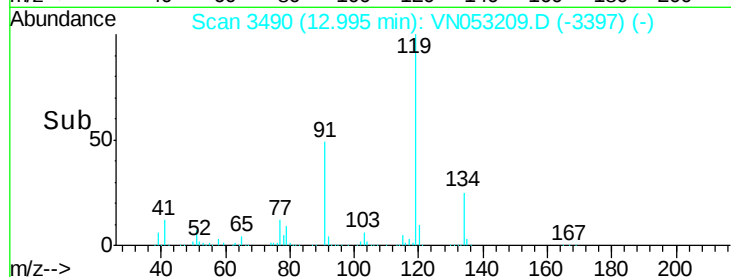
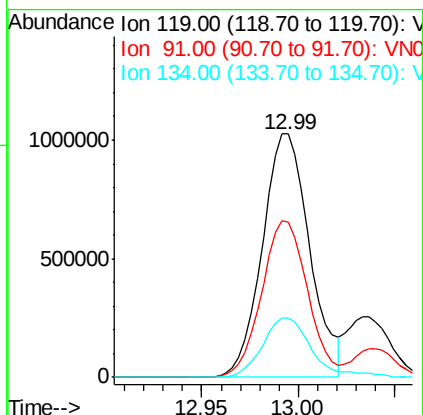
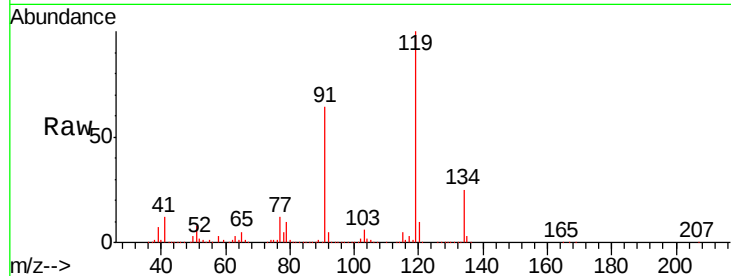




#83
 tert-Butylbenzene
 Concen: 51.904 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

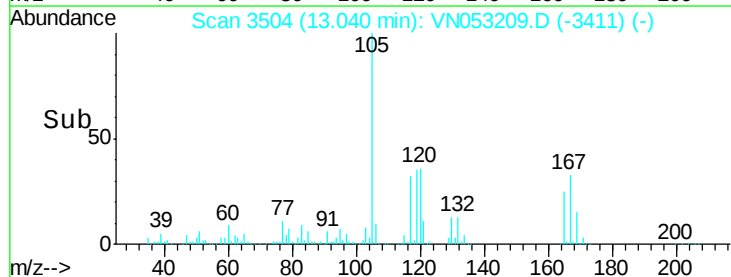
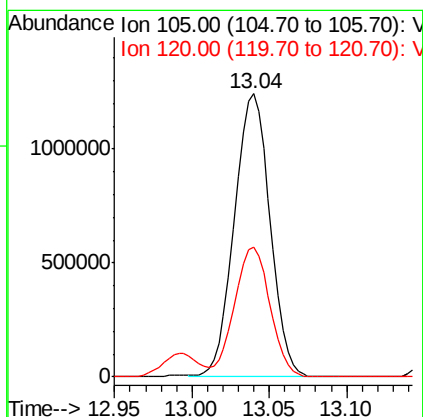
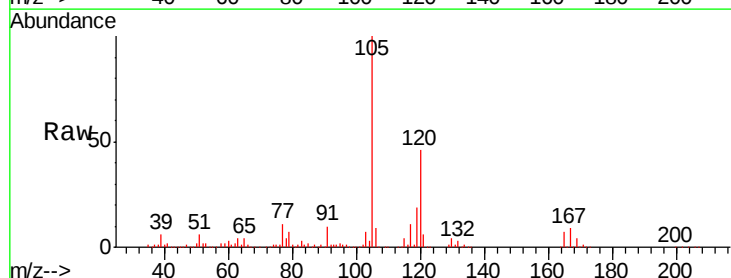
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

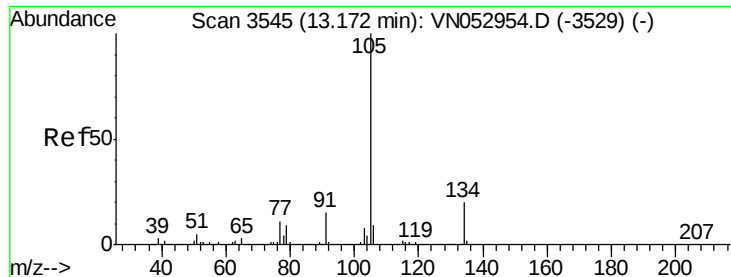
Tgt Ion:119 Resp: 1747592
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.9 95.5
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.962 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion:105 Resp: 1988637
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8

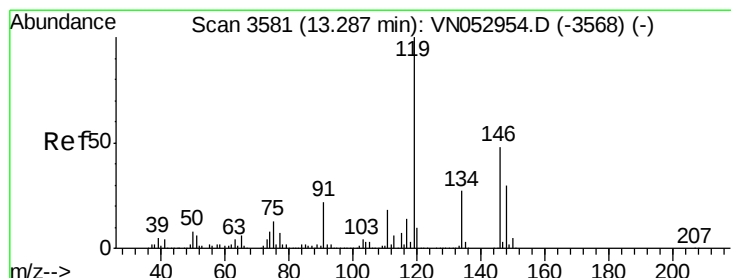
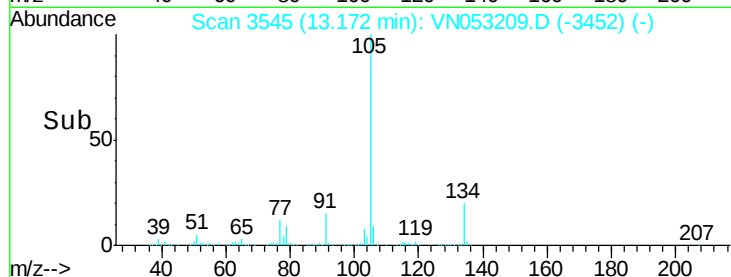
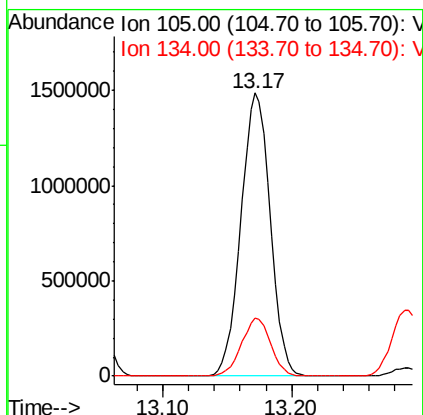
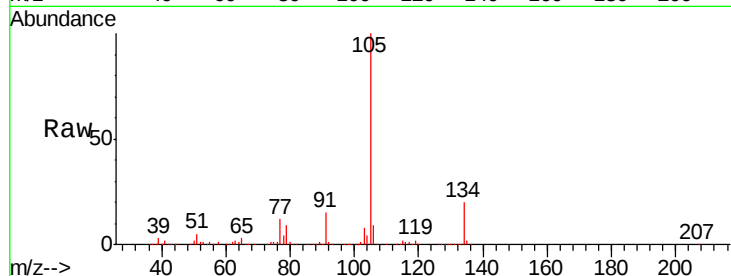




#85
 sec-Butylbenzene
 Concen: 51.419 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

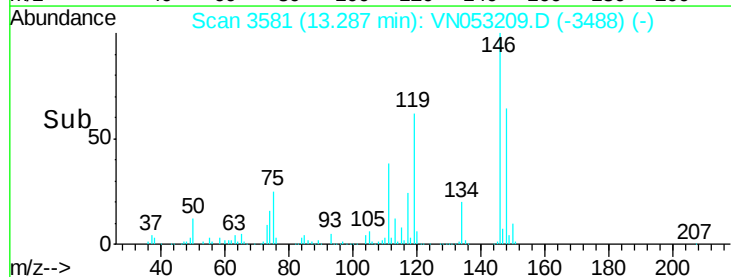
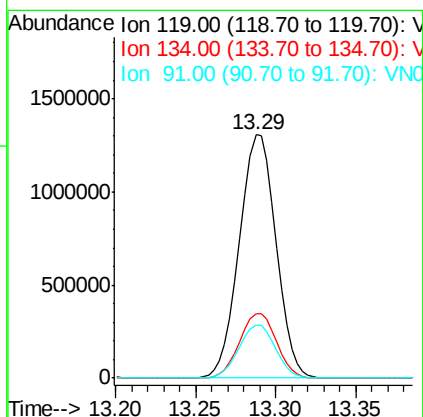
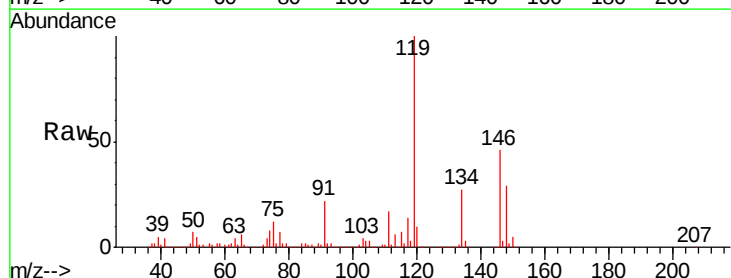
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

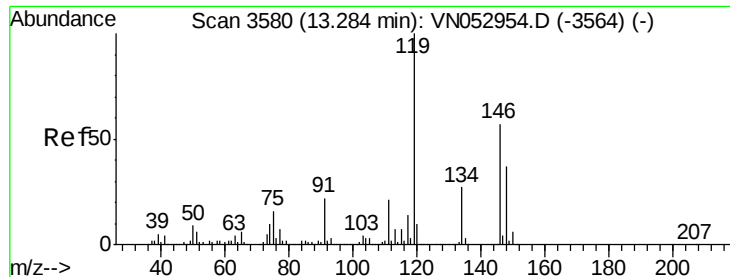
Tgt Ion:105 Resp: 2341705
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 51.804 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion:119 Resp: 2038549
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 21.7 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 50.732 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

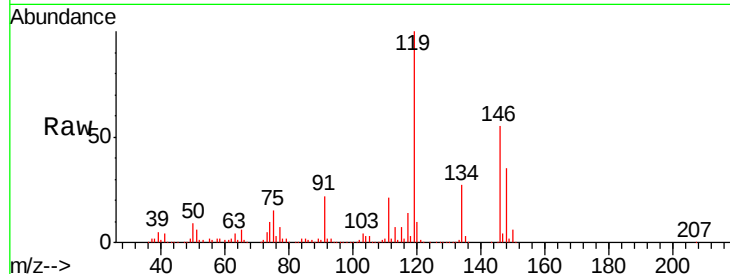
Tgt Ion:146 Resp: 1090147

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.1

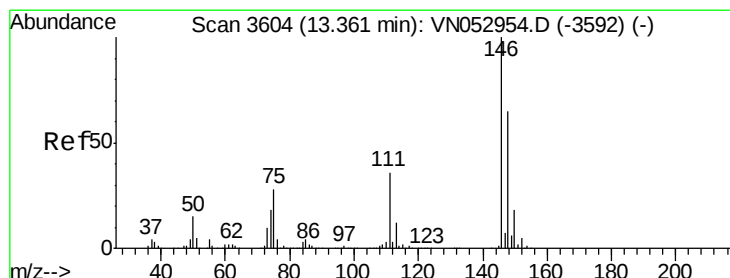
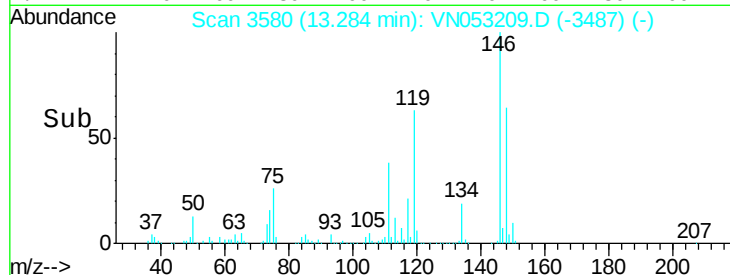
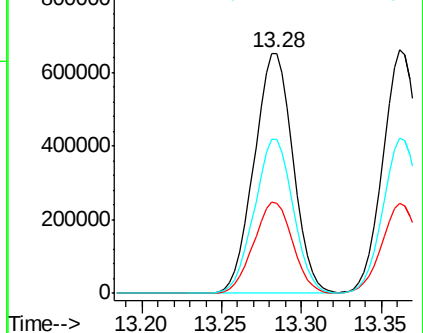
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.297 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

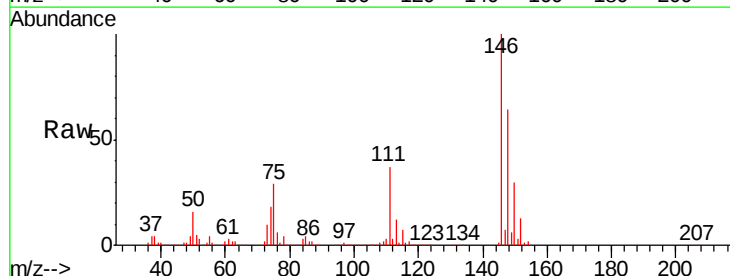
Tgt Ion:146 Resp: 1072759

Ion Ratio Lower Upper

146 100

111 37.3 18.6 55.8

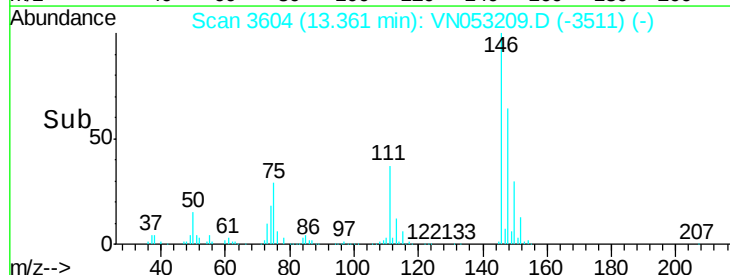
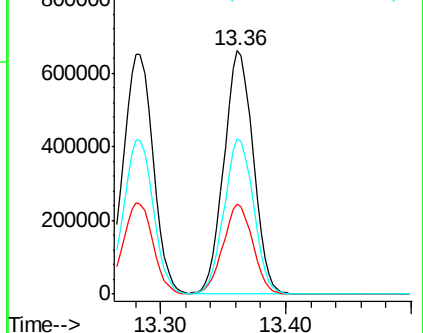
148 64.2 32.1 96.5

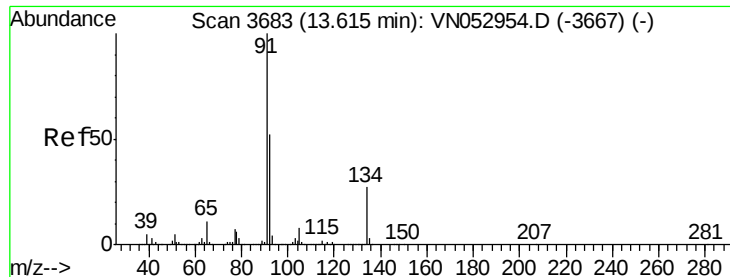


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 50.159 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053209.D

Acq: 27 Dec 2018 15:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

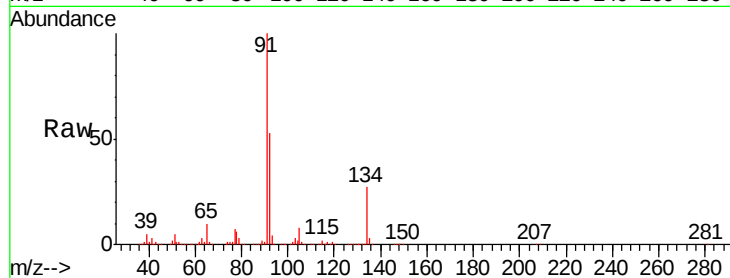
Tgt Ion: 91 Resp: 1698107

Ion Ratio Lower Upper

91 100

92 52.7 26.3 78.9

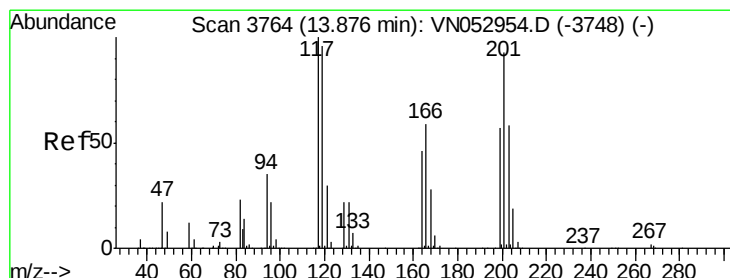
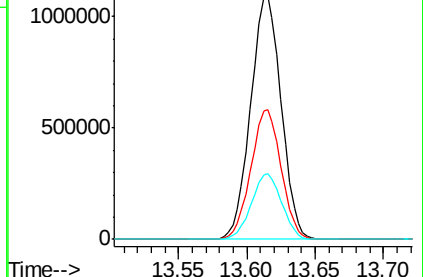
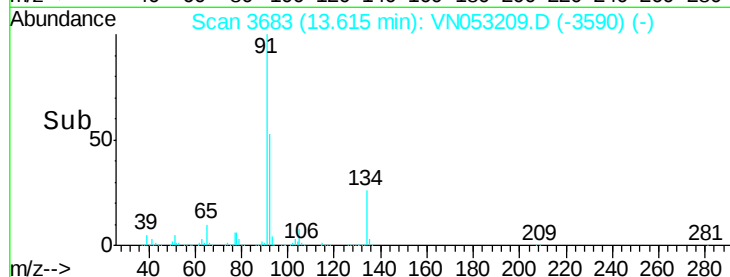
134 26.7 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053209.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053209.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053209.D (-3590) (-)



#90

Hexachloroethane

Concen: 52.659 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053209.D

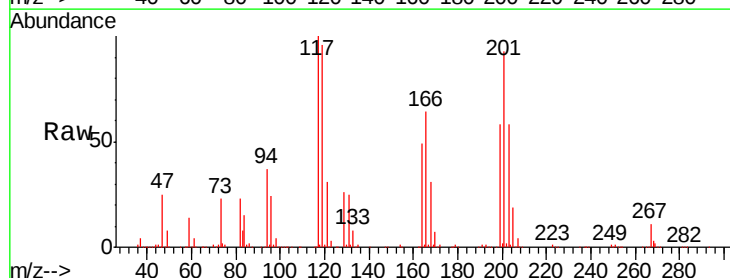
Acq: 27 Dec 2018 15:10

Tgt Ion: 117 Resp: 317996

Ion Ratio Lower Upper

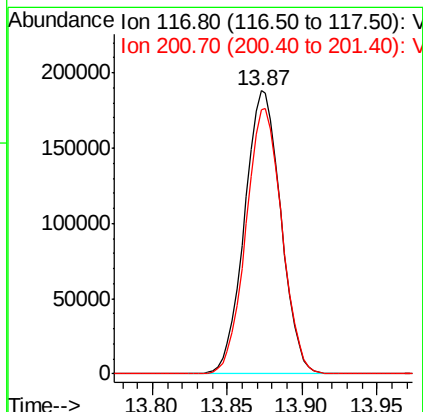
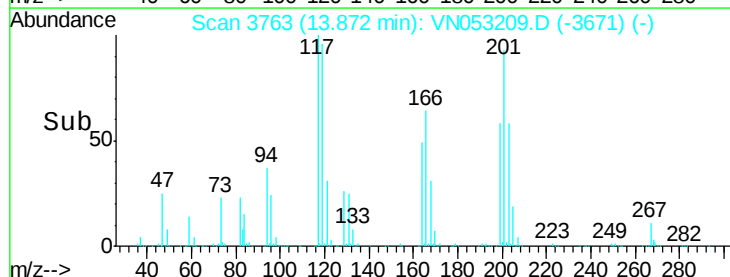
117 100

201 92.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053209.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053209.D (-3671) (-)

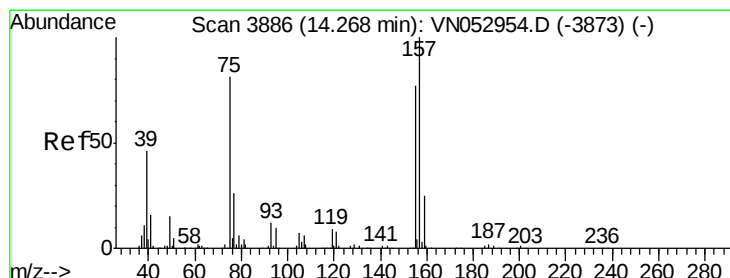
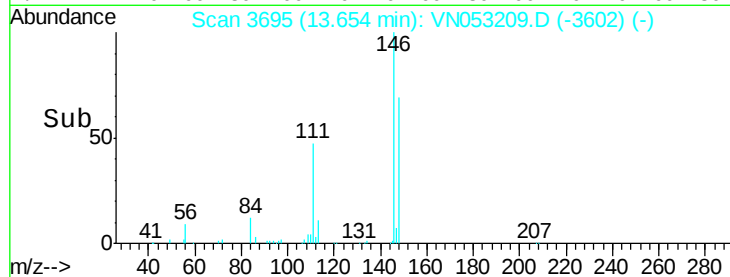
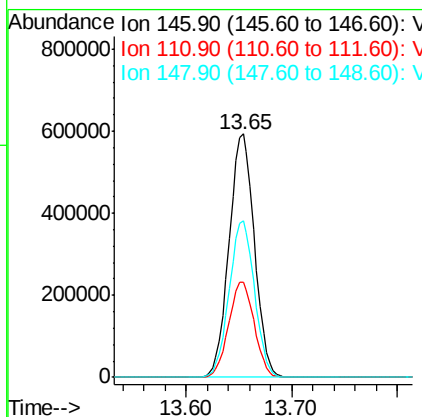
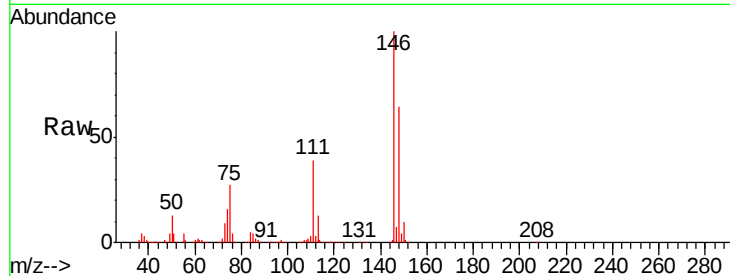




#91
 1,2-Dichlorobenzene
 Concen: 48.655 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

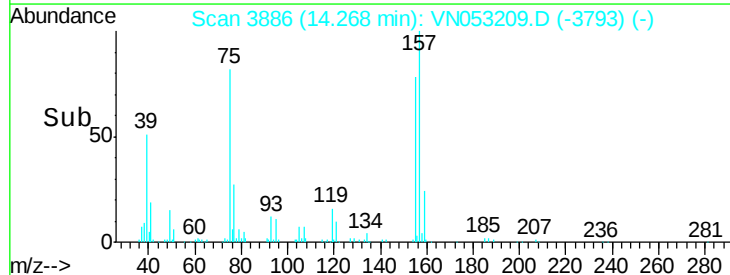
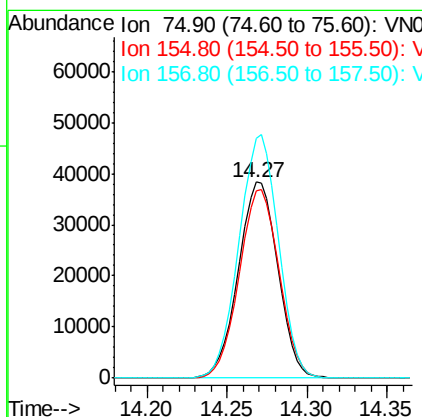
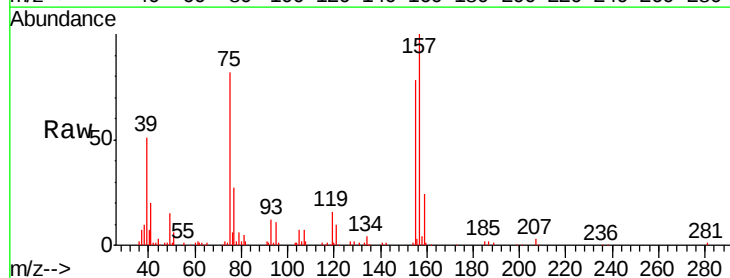
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

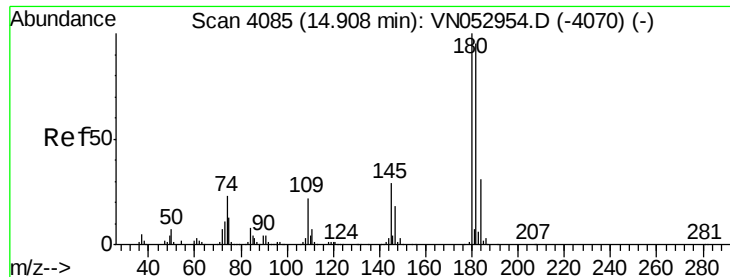
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	64.3	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.800 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	48.2	144.6
157	124.0	61.2	183.5

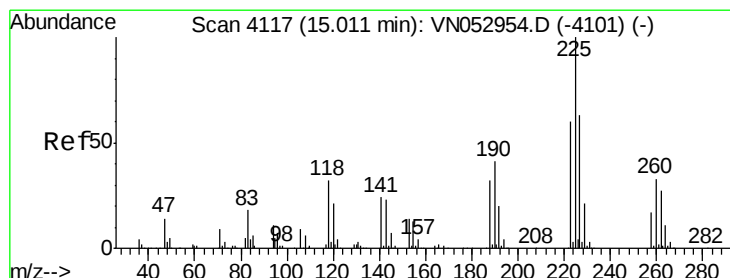
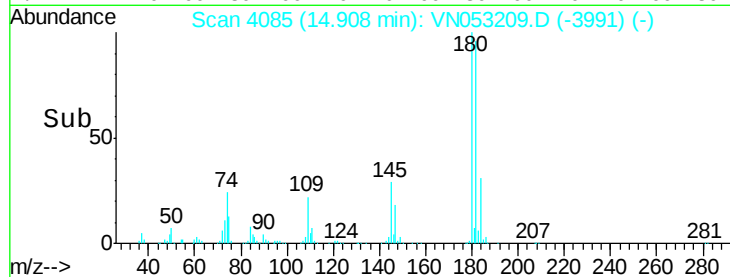
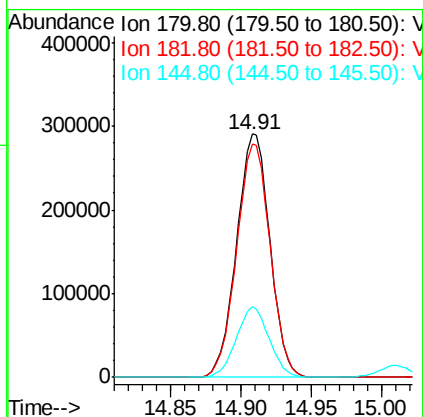
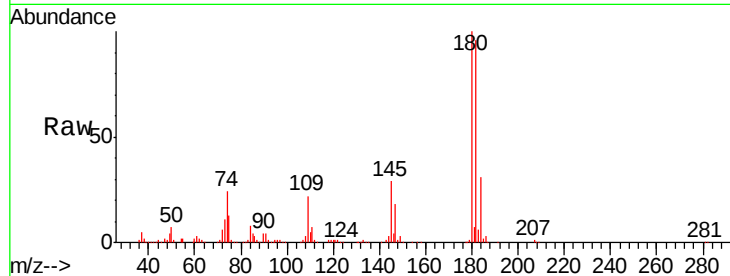




#93
 1,2,4-Trichlorobenzene
 Concen: 45.044 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

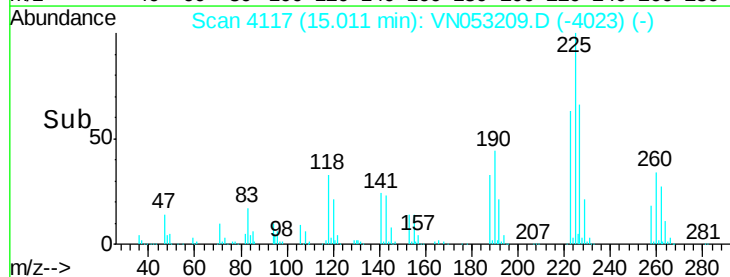
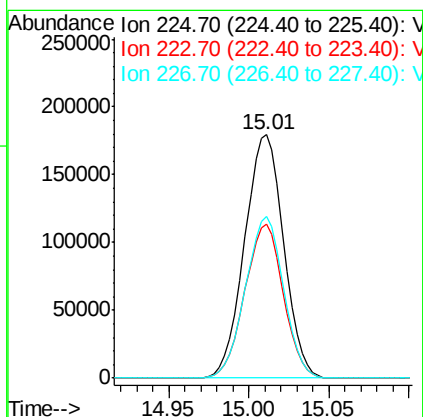
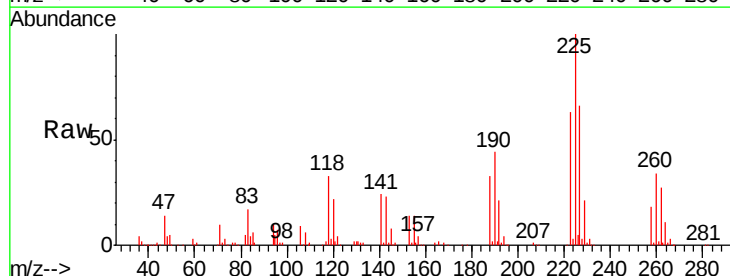
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

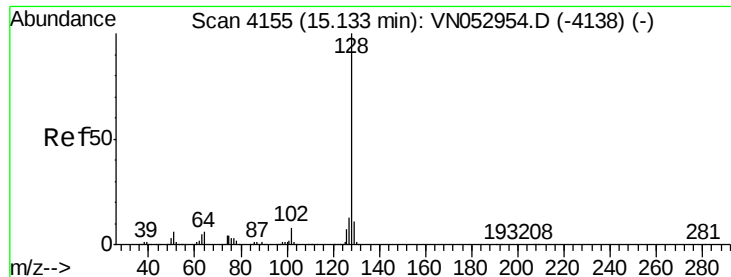
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.8	143.3
145	28.4	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 54.308 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053209.D
 Acq: 27 Dec 2018 15:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.5	94.5
227	64.8	31.9	95.7

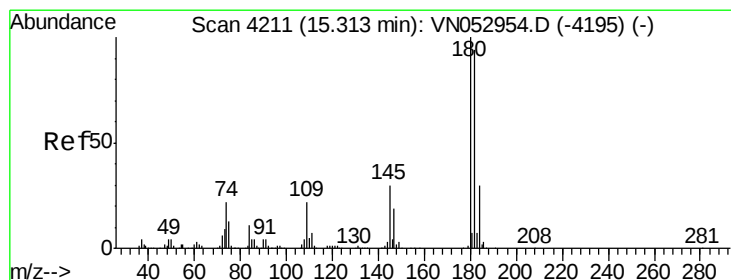
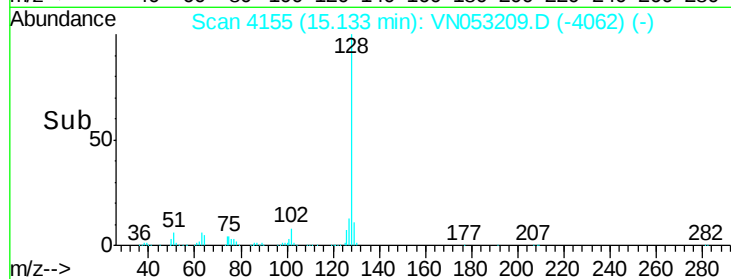
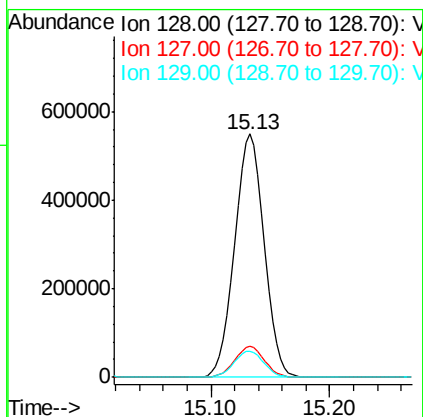
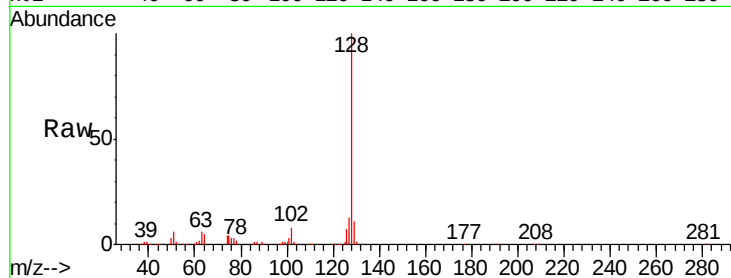




#95
Naphthalene
Concen: 40.412 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 943234
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.180 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053209.D
Acq: 27 Dec 2018 15:10

Tgt Ion:180 Resp: 415955
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.7
145 29.9 15.0 45.0

