

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
 Data File : VN053236.D
 Acq On : 2 Jan 2019 9:37
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 03 01:20:57 2019
 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	7.67	168	919482	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1363468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1239785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	598595	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	463608	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	400553	64.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	128.62%	
50) Toluene-d8	10.09	98	1716040	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	618868	52.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	428202	46.014	ug/l	99
3) Chloromethane	2.06	50	536714	47.595	ug/l	99
4) Vinyl Chloride	2.19	62	538711	47.170	ug/l	100
5) Bromomethane	2.57	94	383606	48.480	ug/l	99
6) Chloroethane	2.71	64	328241	48.528	ug/l	99
7) Trichlorofluoromethane	3.02	101	719798	50.593	ug/l	99
8) Diethyl Ether	3.41	74	281144	52.381	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	478664	52.767	ug/l	98
10) Methyl Iodide	3.96	142	662569	52.011	ug/l	99
11) Tert butyl alcohol	4.77	59	147766	259.538	ug/l	99
12) 1,1-Dichloroethene	3.74	96	436726	49.832	ug/l	99
13) Acrolein	3.61	56	155828	301.849	ug/l	100
14) Allyl chloride	4.33	41	704641	51.907	ug/l	97
15) Acrylonitrile	4.99	53	823991	260.512	ug/l	99
16) Acetone	3.81	43	509858	278.685	ug/l	97
17) Carbon Disulfide	4.06	76	1188659	41.589	ug/l	100
18) Methyl Acetate	4.32	43	469895	56.458	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1241913	52.954	ug/l	100
20) Methylene Chloride	4.55	84	516381	51.743	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	468832	49.791	ug/l	99
22) Diisopropyl ether	5.95	45	1599265	55.193	ug/l	98
23) Vinyl Acetate	5.90	43	4528927	271.811	ug/l	99
24) 1,1-Dichloroethane	5.85	63	912997	53.025	ug/l	99
25) 2-Butanone	6.83	43	870701	283.581	ug/l	99
26) 2,2-Dichloropropane	6.82	77	721030	54.857	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	559218	52.460	ug/l	99
28) Bromochloromethane	7.19	49	404694	54.241	ug/l	97
29) Tetrahydrofuran	7.21	42	591849	258.092	ug/l	98
30) Chloroform	7.37	83	893342	52.816	ug/l	99
31) Cyclohexane	7.65	56	813167	50.363	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	755254	52.416	ug/l	99
36) 1,1-Dichloropropene	7.79	75	679693	51.937	ug/l	99
37) Ethyl Acetate	6.93	43	395022	54.070	ug/l	99
38) Carbon Tetrachloride	7.78	117	652313	54.380	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	815084	51.270	ug/l	98
40) Benzene	8.04	78	2084686	53.554	ug/l	99
41) Methacrylonitrile	7.17	41	249191	59.033	ug/l	93
42) 1,2-Dichloroethane	8.12	62	607676	52.843	ug/l	98
43) Isopropyl Acetate	8.16	43	729799	51.654	ug/l	97
44) Trichloroethene	8.83	130	571166	50.729	ug/l	98
45) 1,2-Dichloropropane	9.12	63	561568	55.385	ug/l	99
46) Dibromomethane	9.21	93	313275	53.038	ug/l	98
47) Bromodichloromethane	9.40	83	698536	55.636	ug/l	100
48) Methyl methacrylate	9.20	41	389399	54.928	ug/l	98
49) 1,4-Dioxane	9.20	88	93213	1039.436	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1940123	274.220	ug/l	99
52) Toluene	10.16	92	1293781	53.622	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	709467	53.737	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	831938	54.898	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	465751	55.331	ug/l	99
56) Ethyl methacrylate	10.43	69	600805	53.926	ug/l	97
57) 1,3-Dichloropropane	10.71	76	784599	54.356	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1629586	266.422	ug/l	99
59) 2-Hexanone	10.75	43	1348038	281.612	ug/l	99
60) Dibromochloromethane	10.90	129	529698	54.975	ug/l	100
61) 1,2-Dibromoethane	11.00	107	456541	53.404	ug/l	99
64) Tetrachloroethene	10.63	164	629621	46.883	ug/l	99
65) Chlorobenzene	11.43	112	1460975	53.160	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	522980	54.722	ug/l	99
67) Ethyl Benzene	11.51	91	2525116	53.427	ug/l	100
68) m/p-Xylenes	11.62	106	1909217	106.261	ug/l	99
69) o-Xylene	11.95	106	930315	53.959	ug/l	99
70) Styrene	11.96	104	1557023	55.384	ug/l	99
71) Bromoform	12.13	173	369851	53.570	ug/l	100
73) Isopropylbenzene	12.25	105	2503043	53.444	ug/l	99
74) N-amyl acetate	12.07	43	657656	50.577	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	532245	57.927	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	704335	69.897	ug/l #	100
77) Bromobenzene	12.53	156	653426	53.672	ug/l	96
78) n-propylbenzene	12.59	91	2875803	53.914	ug/l	99
79) 2-Chlorotoluene	12.67	91	1675426	50.674	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2010719	52.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	164569	52.639	ug/l	96
82) 4-Chlorotoluene	12.77	91	1715470	53.003	ug/l	99
83) tert-Butylbenzene	12.99	119	1799799	53.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	2038289	53.114	ug/l	99
85) sec-Butylbenzene	13.17	105	2408774	52.748	ug/l	99
86) p-Isopropyltoluene	13.29	119	2087084	52.892	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129871	52.437	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1114138	51.059	ug/l	100
89) n-Butylbenzene	13.62	91	1752732	51.631	ug/l	100
90) Hexachloroethane	13.87	117	343335	56.699	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1046754	51.617	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73669	46.370	ug/l	97

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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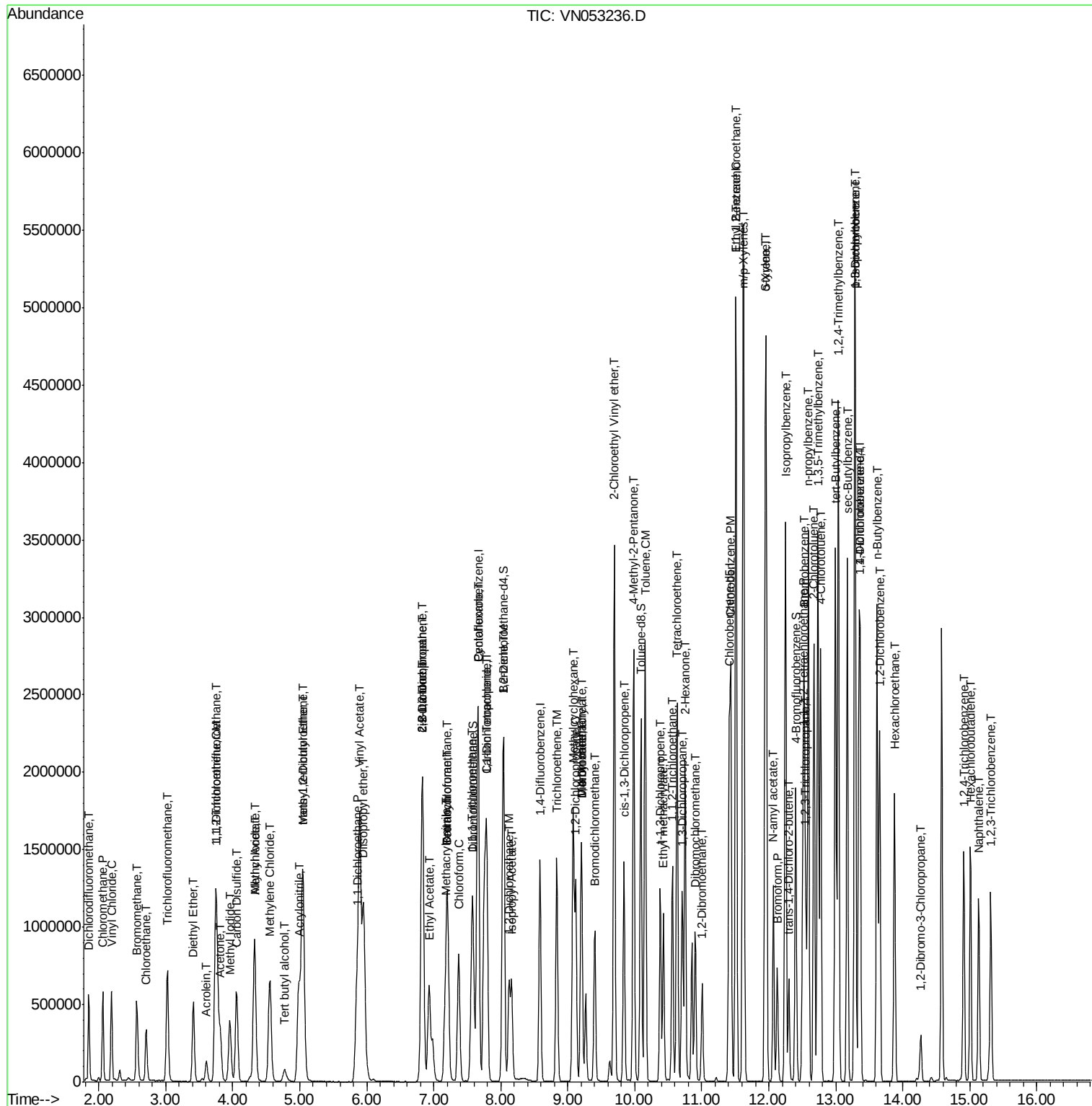
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	524680	48.849	ug/l	99
94) Hexachlorobutadiene	15.01	225	327919	59.492	ug/l	99
95) Naphthalene	15.13	128	1062091	45.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	464118	47.991	ug/l	99

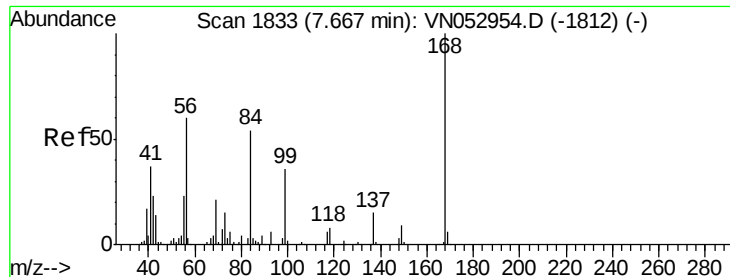
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010219\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

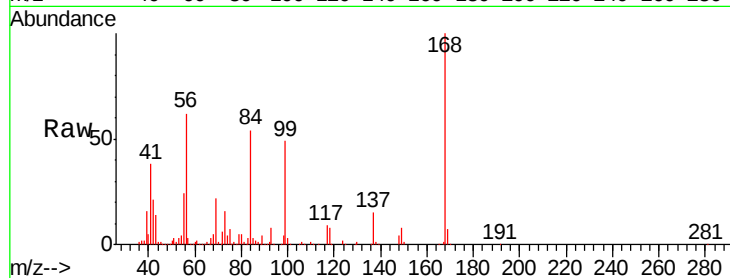
VSTDCCC050

Tgt Ion:168 Resp: 919482

Ion Ratio Lower Upper

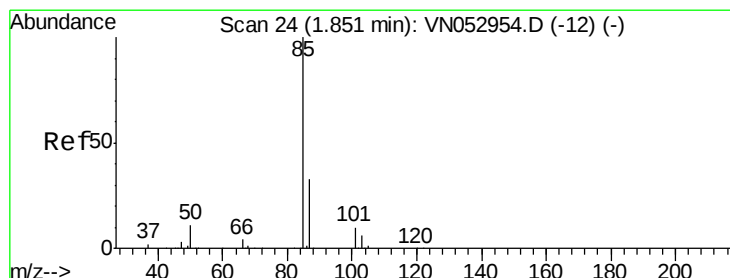
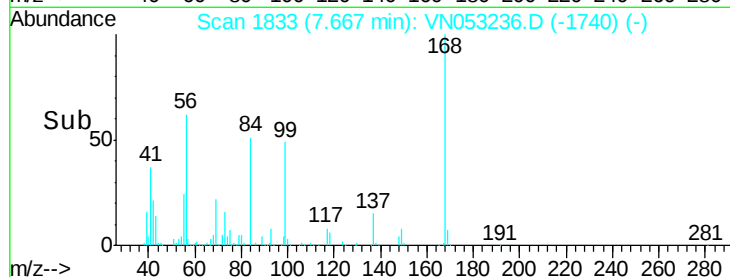
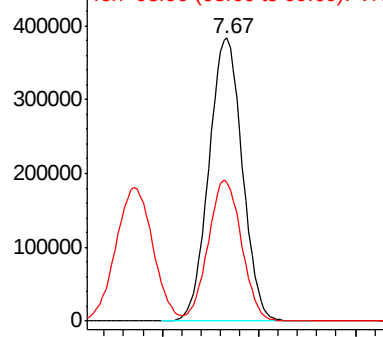
168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 46.014 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053236.D

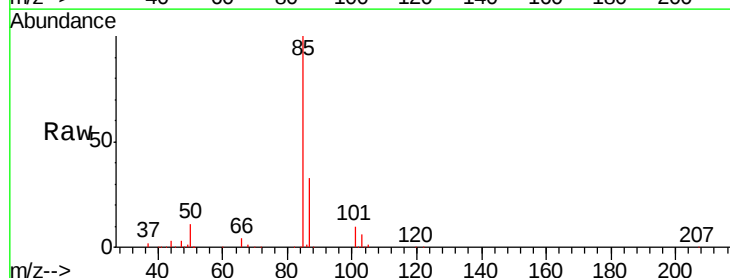
Acq: 2 Jan 2019 9:37

Tgt Ion: 85 Resp: 428202

Ion Ratio Lower Upper

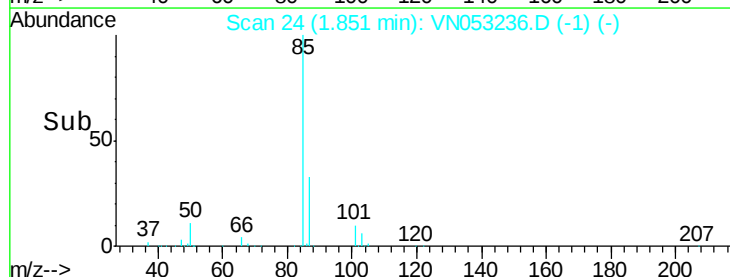
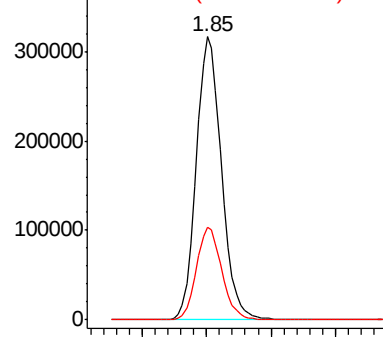
85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

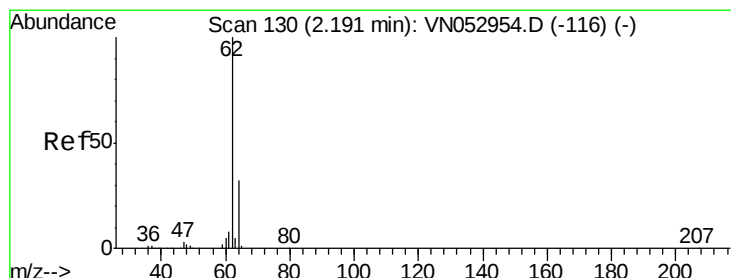
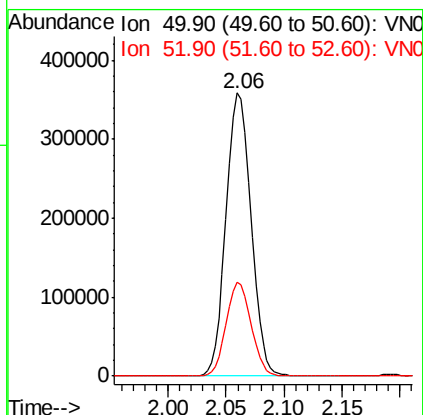
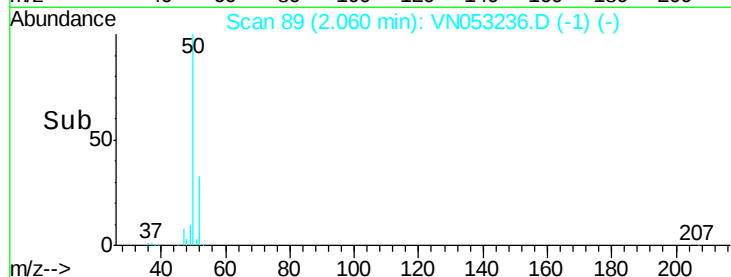
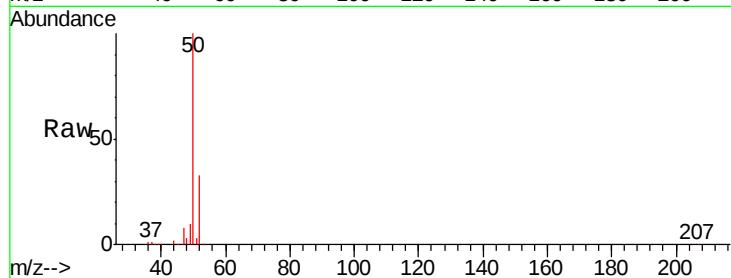




#3
 Chloromethane
 Concen: 47.595 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

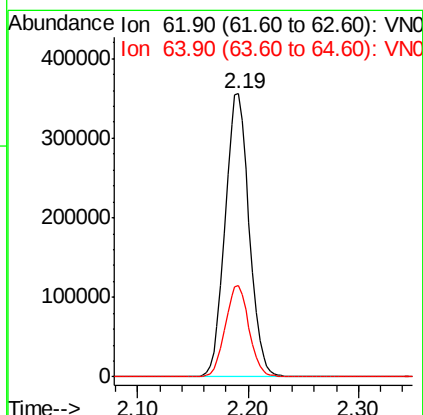
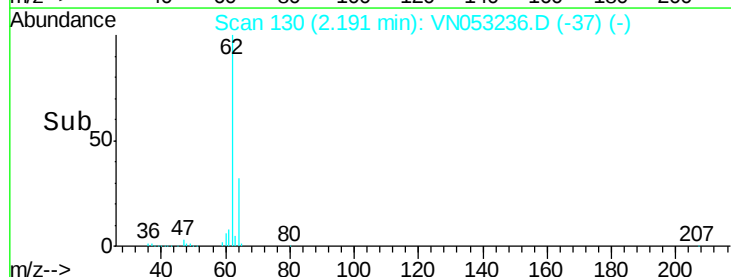
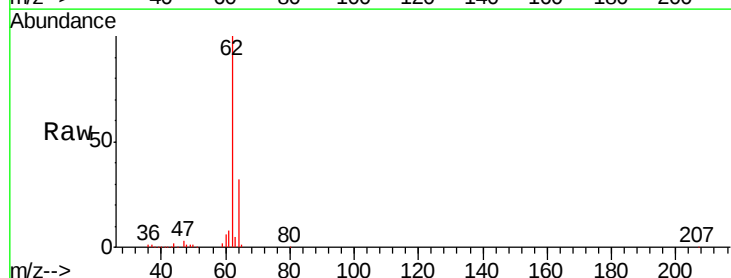
Instrument :
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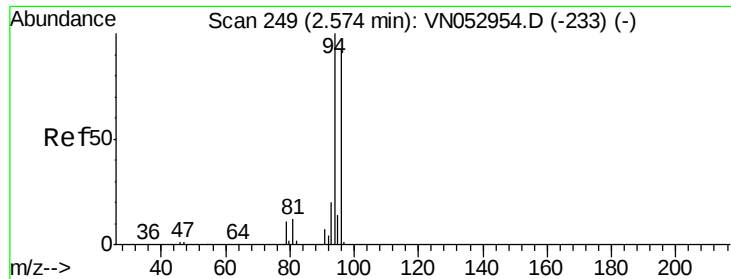
Tgt Ion: 50 Resp: 536714
 Ion Ratio Lower Upper
 50 100
 52 33.1 26.2 39.4



#4
 Vinyl Chloride
 Concen: 47.170 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 62 Resp: 538711
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.5 38.3





#5

Bromomethane

Concen: 48.480 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

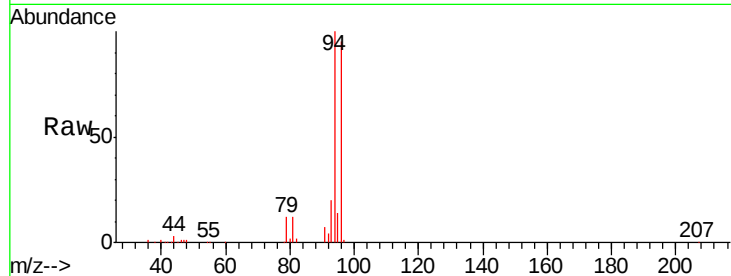
VSTDCCC050

Tgt Ion: 94 Resp: 383606

Ion Ratio Lower Upper

94 100

96 94.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

200000

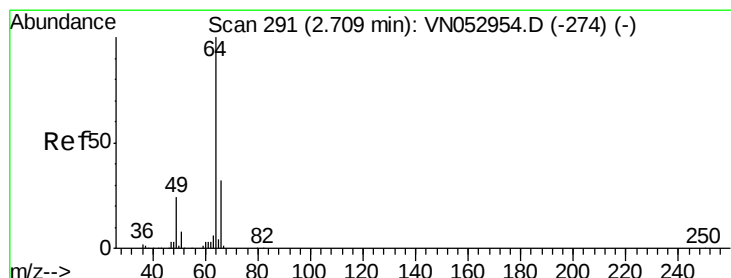
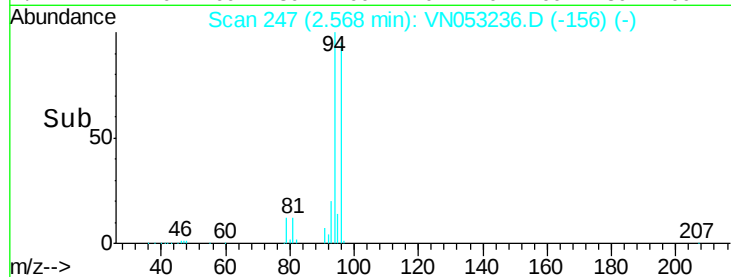
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 48.528 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053236.D

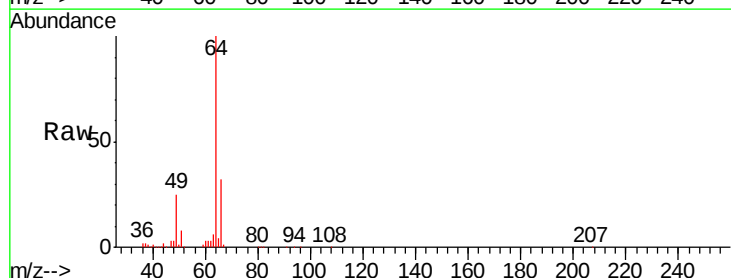
Acq: 2 Jan 2019 9:37

Tgt Ion: 64 Resp: 328241

Ion Ratio Lower Upper

64 100

66 31.9 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

200000

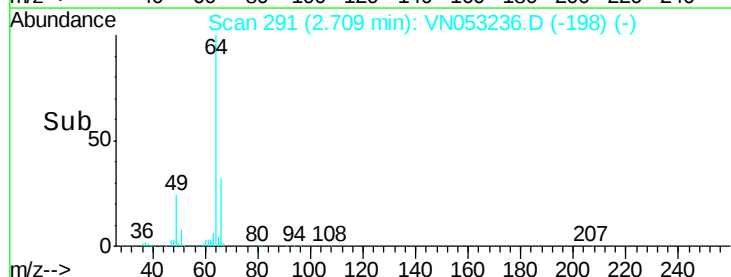
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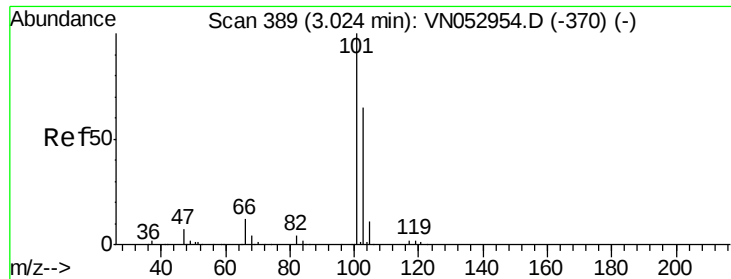
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50000

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Time-->



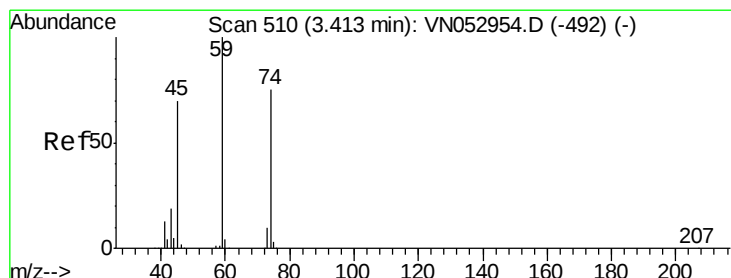
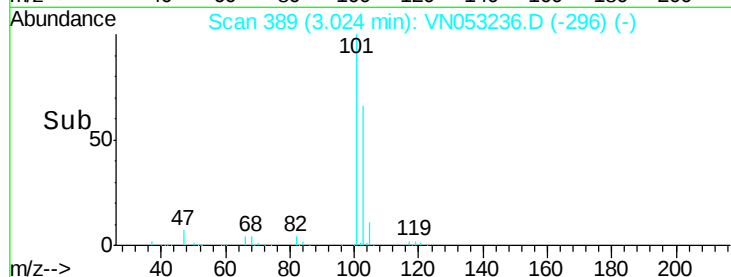
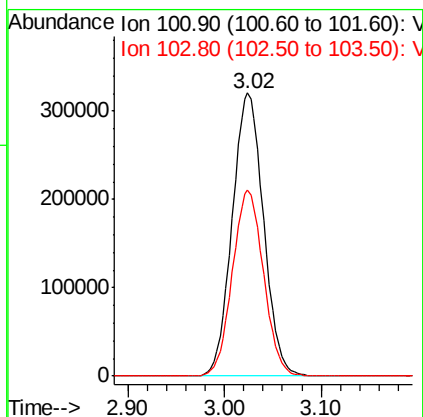
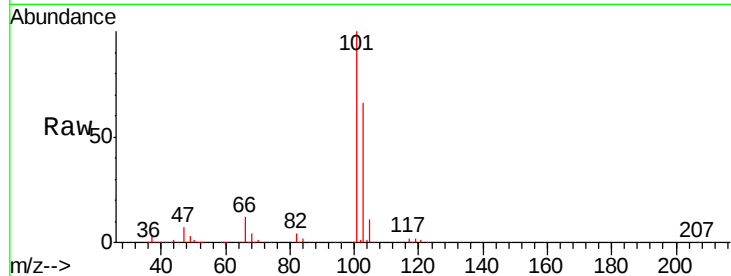


#7

Trichlorofluoromethane
 Concen: 50.593 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
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 ClientSampleId :
 VSTDCCC050

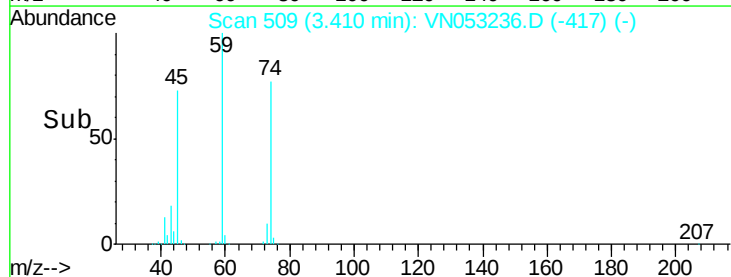
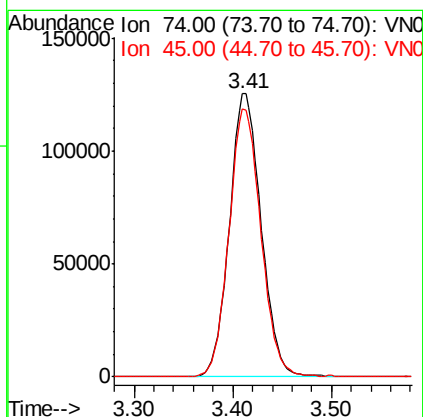
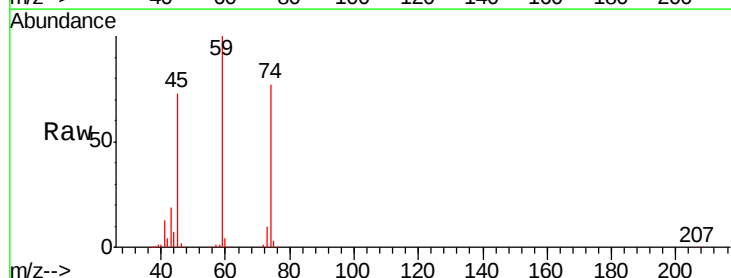
Tgt Ion: 101 Resp: 719798
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.6

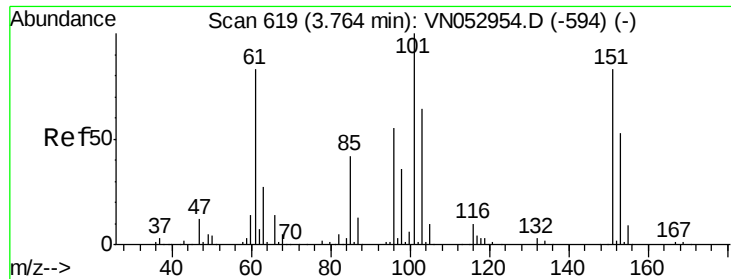


#8

Diethyl Ether
 Concen: 52.381 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 74 Resp: 281144
 Ion Ratio Lower Upper
 74 100
 45 94.7 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.767 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

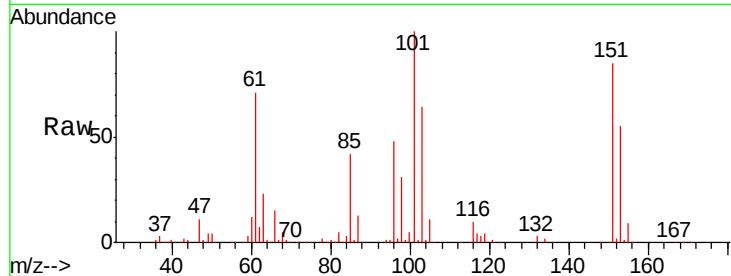
Tgt Ion:101 Resp: 478664

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

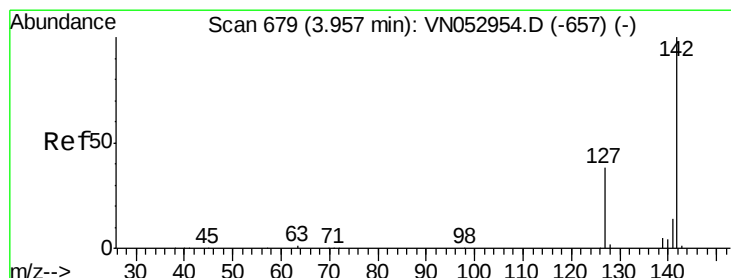
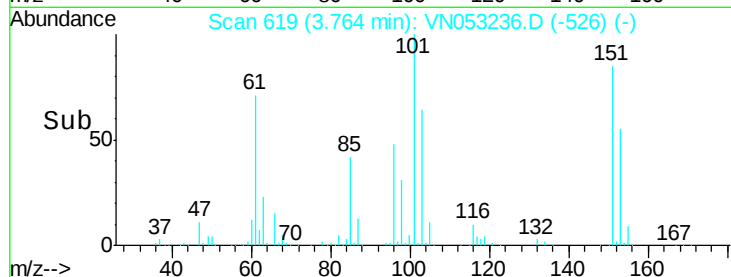
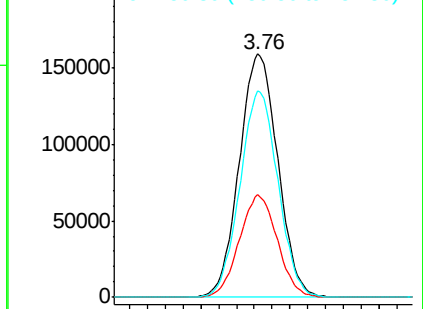
151 83.9 65.5 98.3



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: 52.011 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

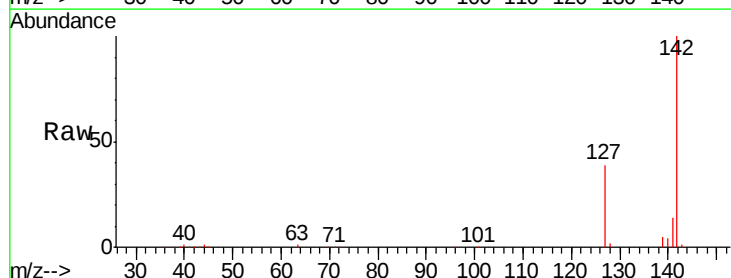
Tgt Ion:142 Resp: 662569

Ion Ratio Lower Upper

142 100

127 38.3 31.0 46.6

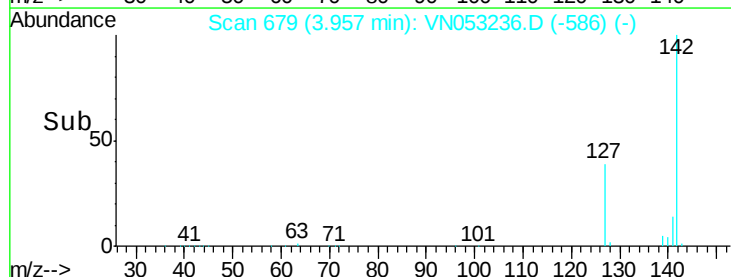
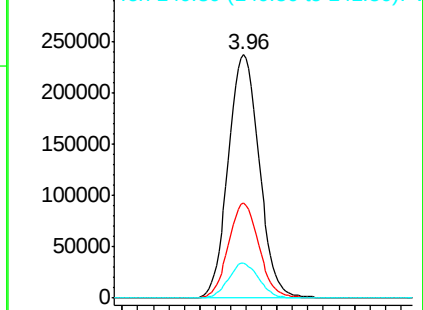
141 14.1 11.2 16.8

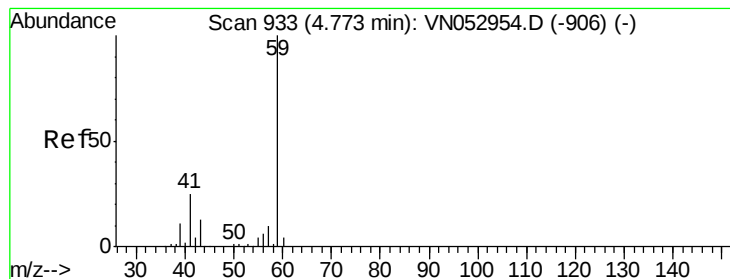


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



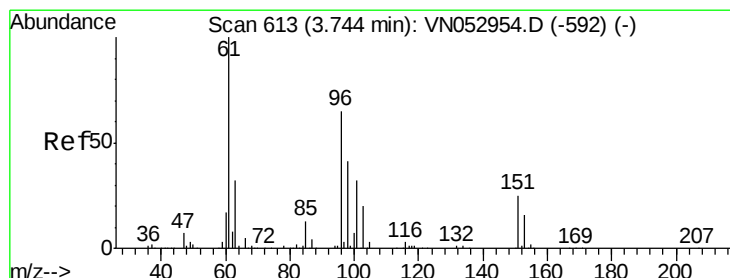
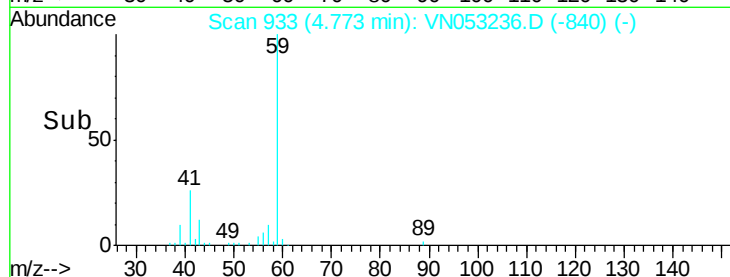
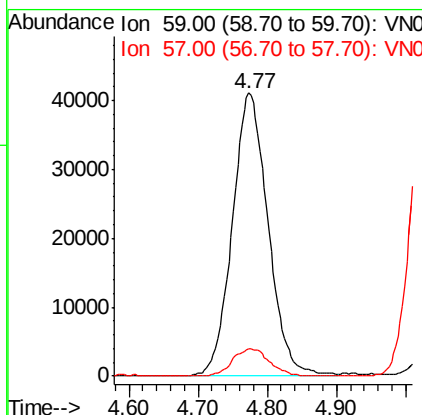
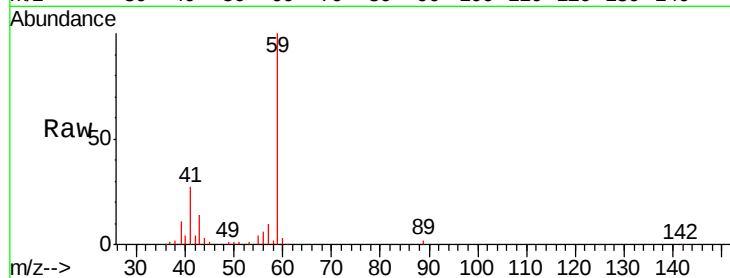


#11

Tert butyl alcohol
 Concen: 259.538 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

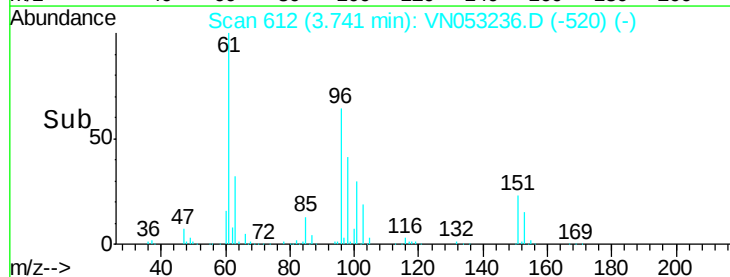
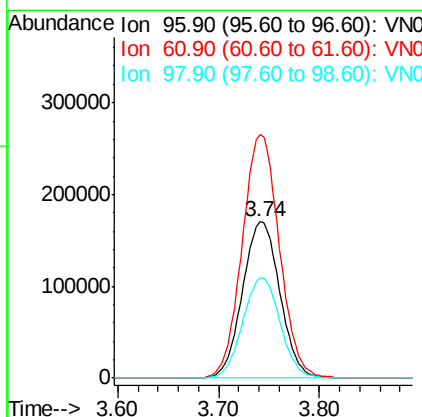
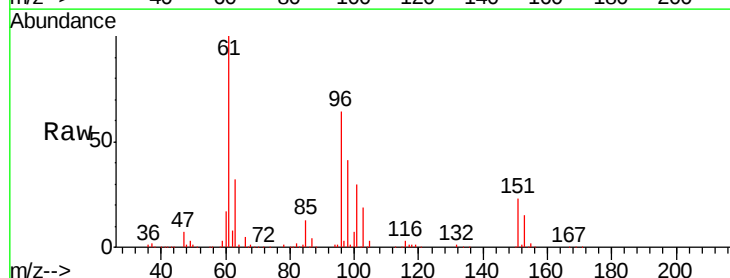
Tgt Ion: 59 Resp: 147766
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.7 11.5

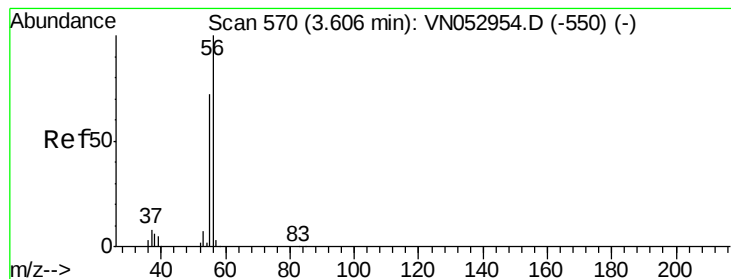


#12

1,1-Dichloroethene
 Concen: 49.832 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 96 Resp: 436726
 Ion Ratio Lower Upper
 96 100
 61 155.6 125.6 188.4
 98 63.7 50.6 75.8





#13

Acrolein

Concen: 301.849 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

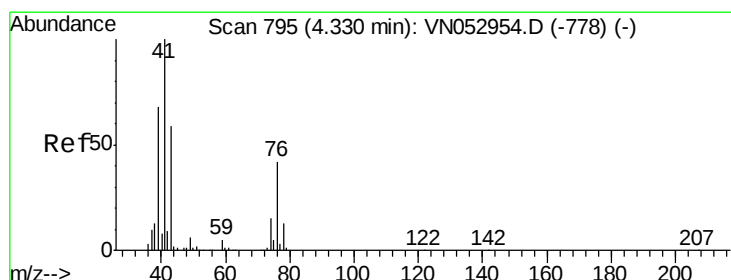
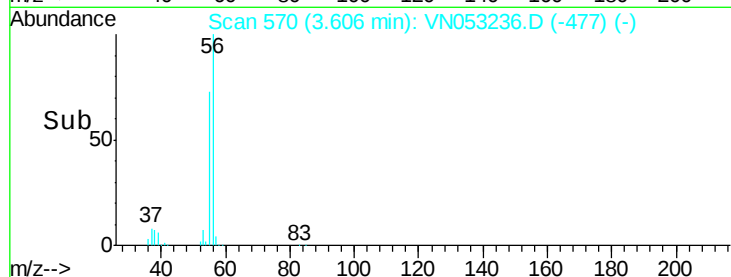
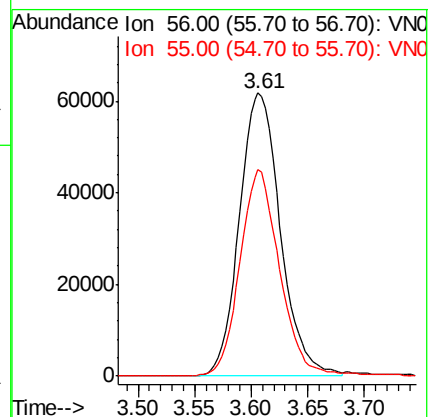
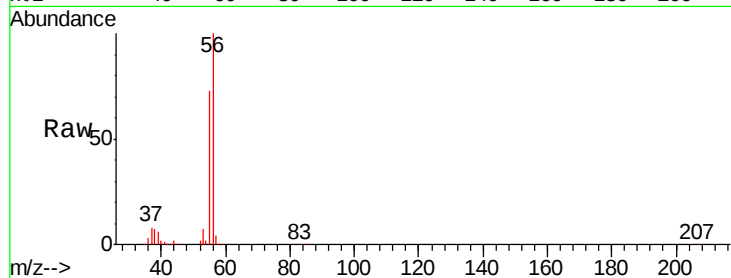
VSTDCCC050

Tgt Ion: 56 Resp: 155828

Ion Ratio Lower Upper

56 100

55 70.8 56.6 85.0



#14

Allyl chloride

Concen: 51.907 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

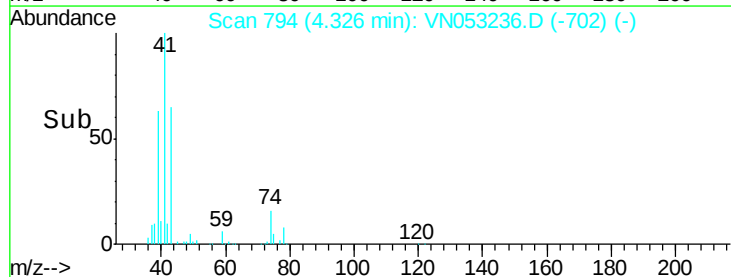
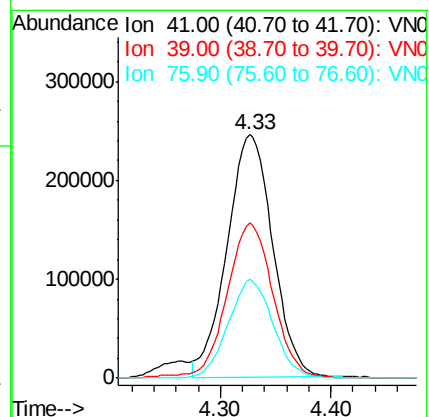
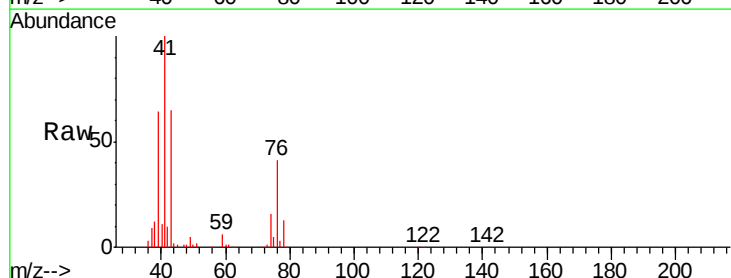
Tgt Ion: 41 Resp: 704641

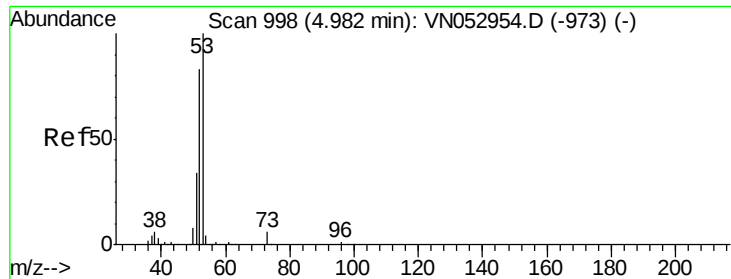
Ion Ratio Lower Upper

41 100

39 65.0 54.1 81.1

76 39.4 30.3 45.5





#15

Acrylonitrile

Concen: 260.512 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

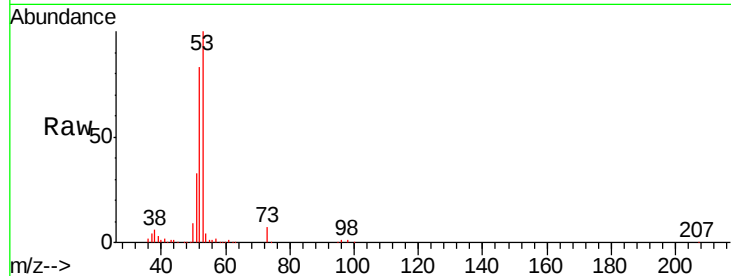
Tgt Ion: 53 Resp: 823991

Ion Ratio Lower Upper

53 100

52 82.2 65.1 97.7

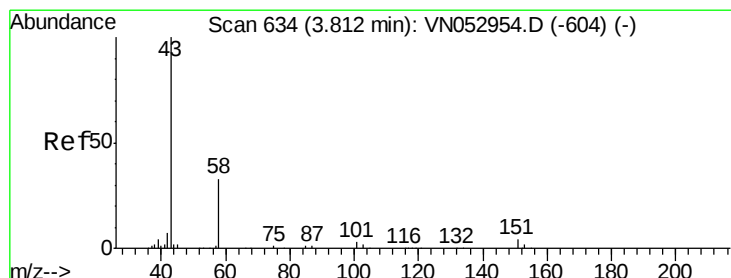
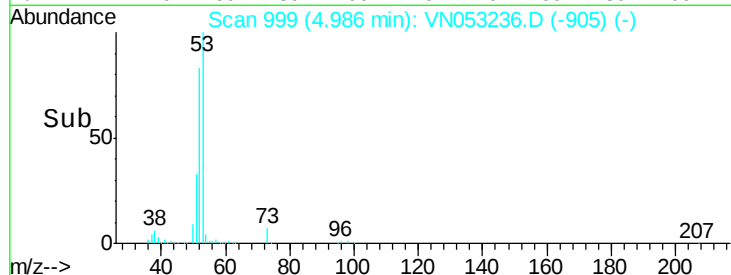
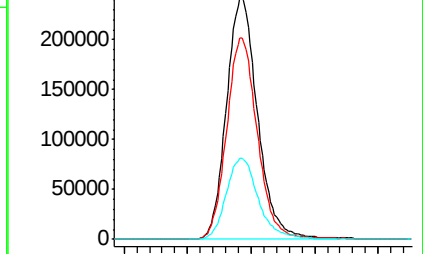
51 34.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053236.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053236.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053236.D (-905) (-)



#16

Acetone

Concen: 278.685 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053236.D

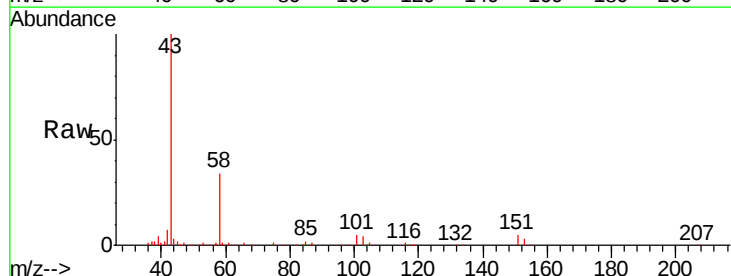
Acq: 2 Jan 2019 9:37

Tgt Ion: 43 Resp: 509858

Ion Ratio Lower Upper

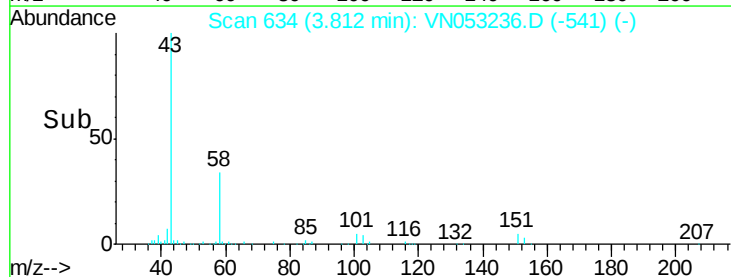
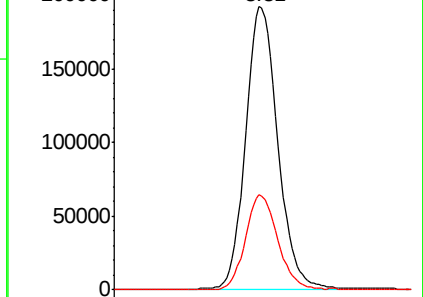
43 100

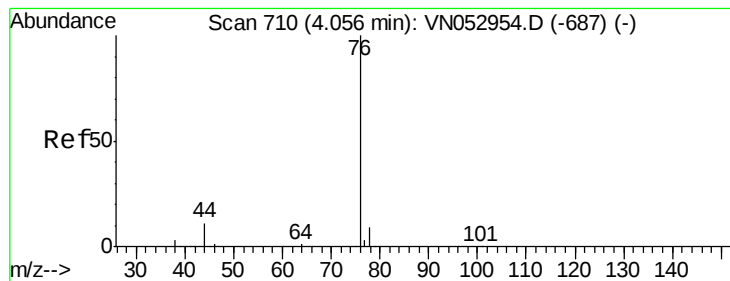
58 33.5 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053236.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053236.D (-541) (-)





#17

Carbon Disulfide

Concen: 41.589 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

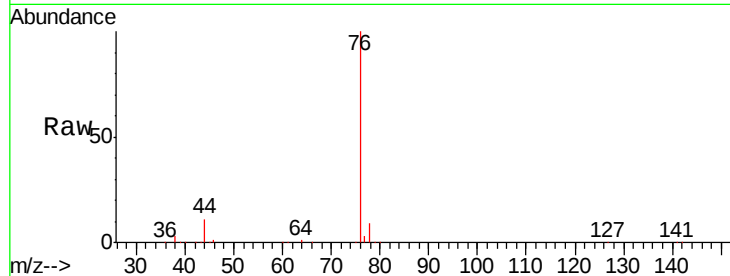
VSTDCCC050

Tgt Ion: 76 Resp: 1188659

Ion Ratio Lower Upper

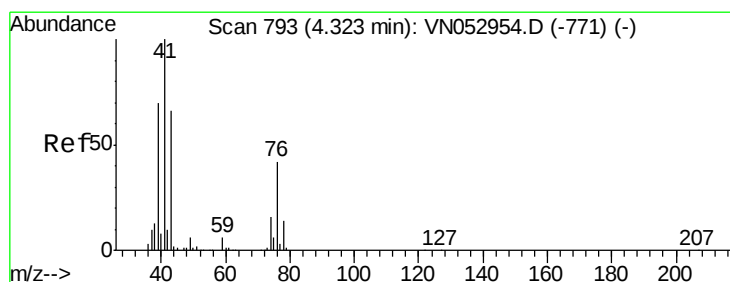
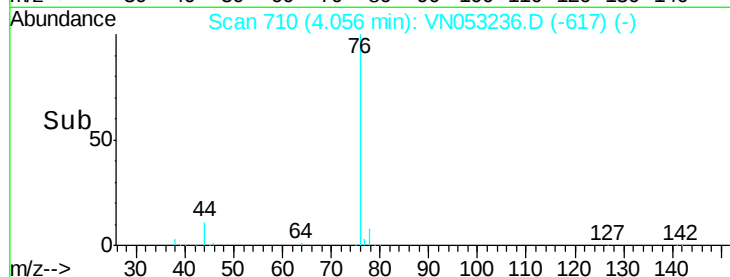
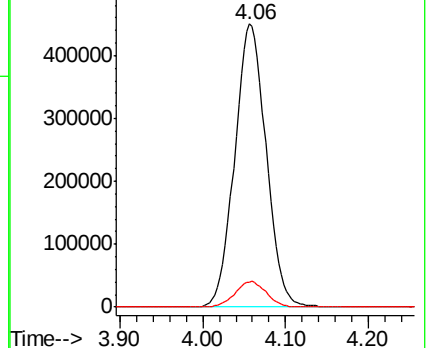
76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 56.458 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053236.D

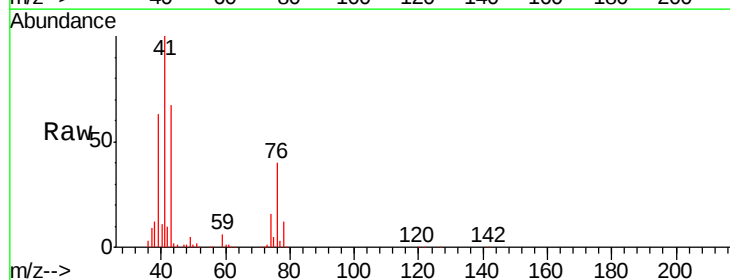
Acq: 2 Jan 2019 9:37

Tgt Ion: 43 Resp: 469895

Ion Ratio Lower Upper

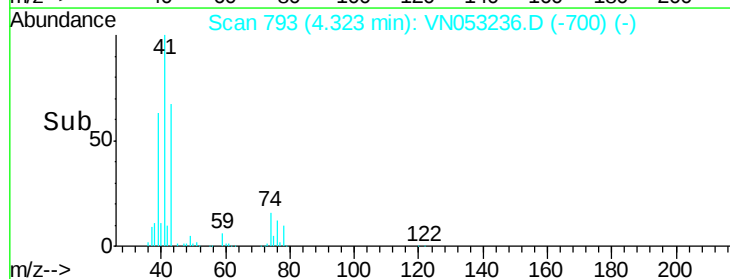
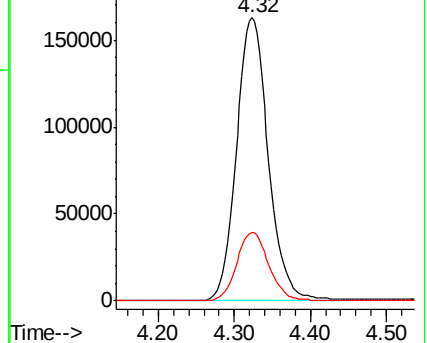
43 100

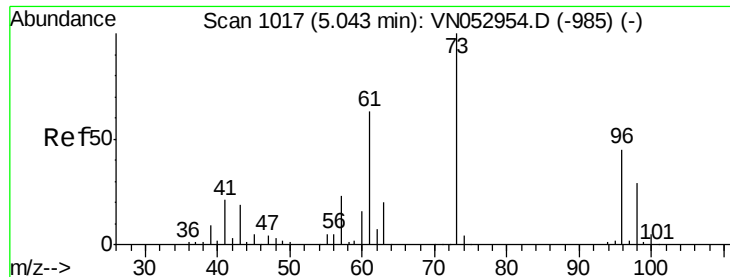
74 24.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

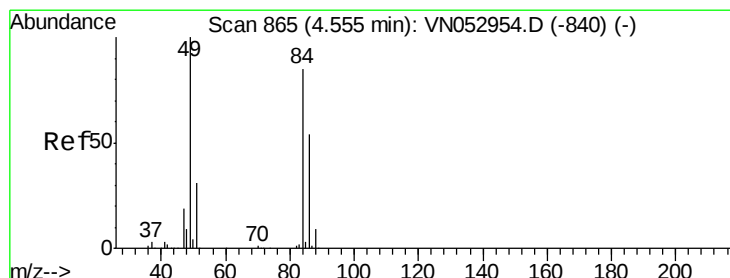
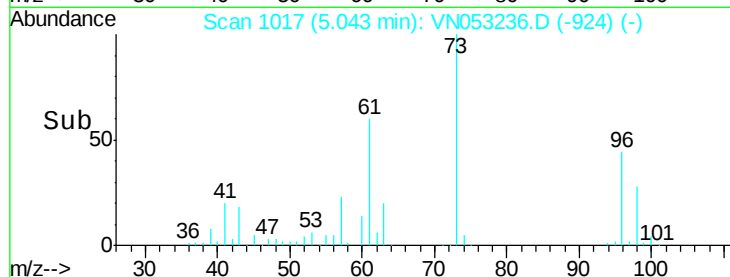
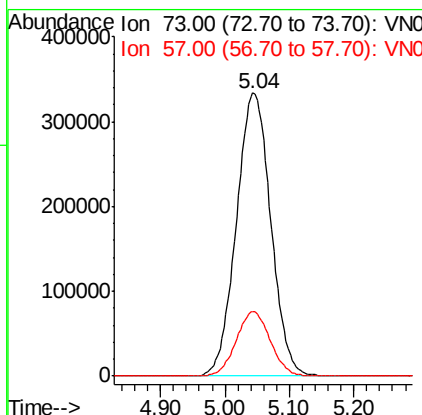
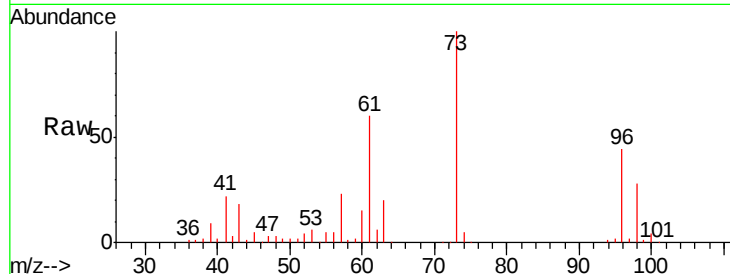




#19
Methyl tert-butyl Ether
Concen: 52.954 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

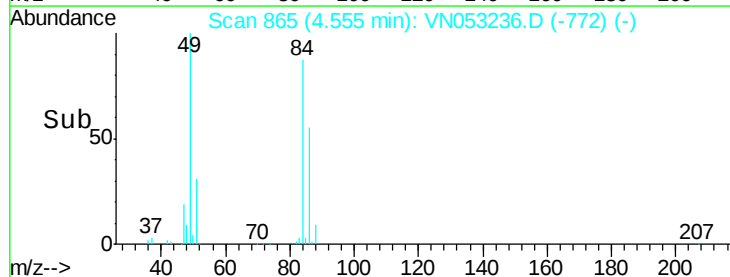
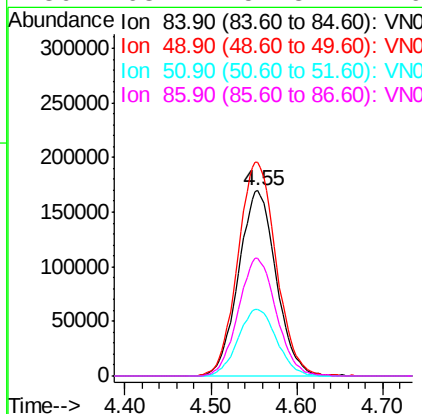
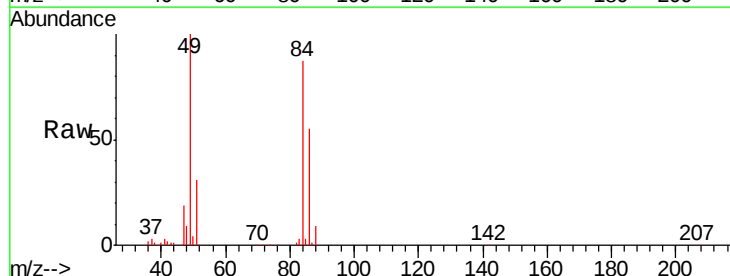
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

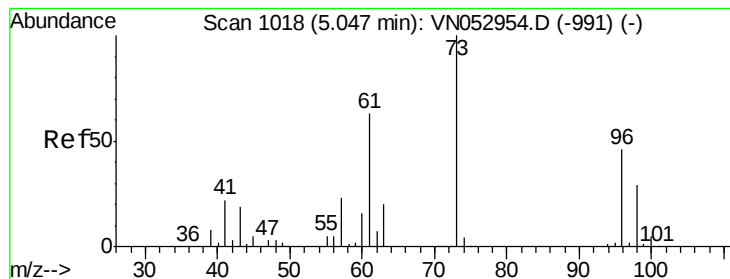
Tgt Ion: 73 Resp: 1241913
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 51.743 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 84 Resp: 516381
Ion Ratio Lower Upper
84 100
49 115.2 96.8 145.2
51 36.0 29.9 44.9
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.791 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

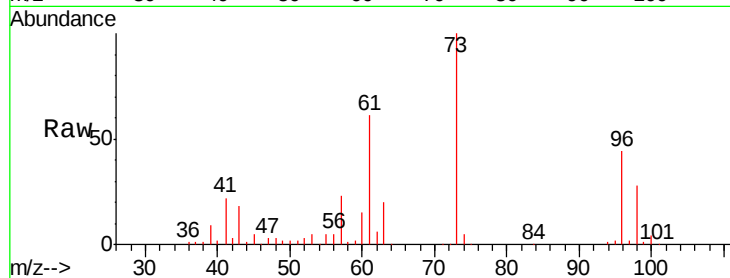
Tgt Ion: 96 Resp: 468832

Ion Ratio Lower Upper

96 100

61 136.8 110.8 166.2

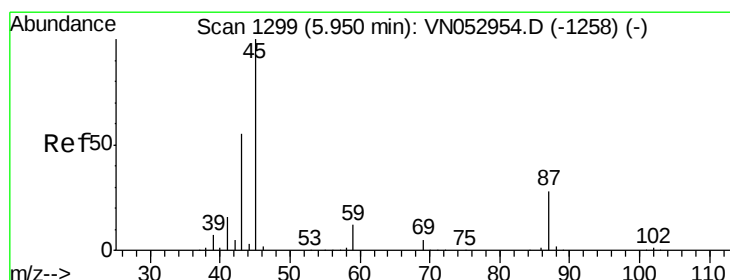
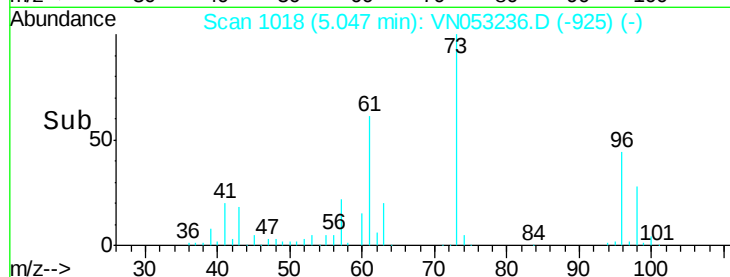
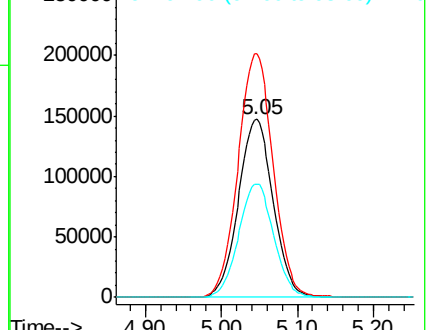
98 63.6 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN053236.D (-925) (-)

Ion 60.90 (60.60 to 61.60): VN053236.D (-925) (-)

Ion 97.90 (97.60 to 98.60): VN053236.D (-925) (-)



#22

Diisopropyl ether

Concen: 55.193 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion: 45 Resp: 1599265

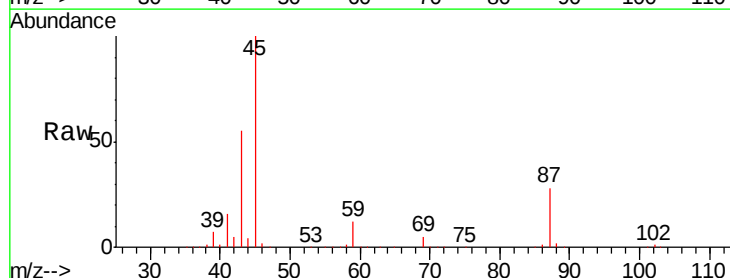
Ion Ratio Lower Upper

45 100

43 54.5 45.5 68.3

87 27.8 22.0 33.0

59 11.7 9.4 14.0

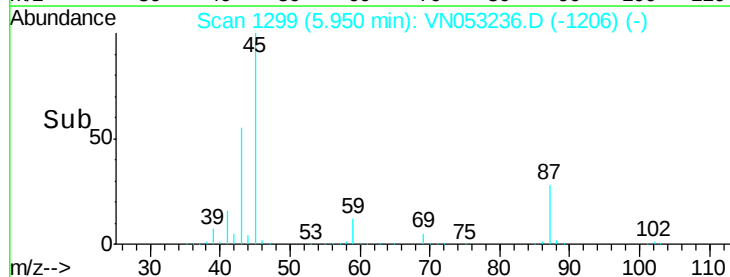
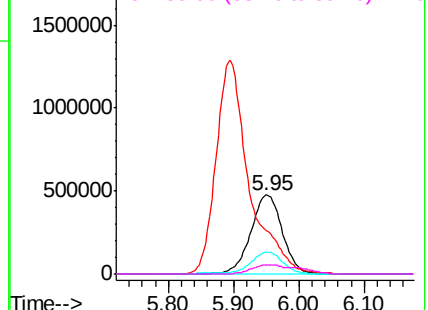


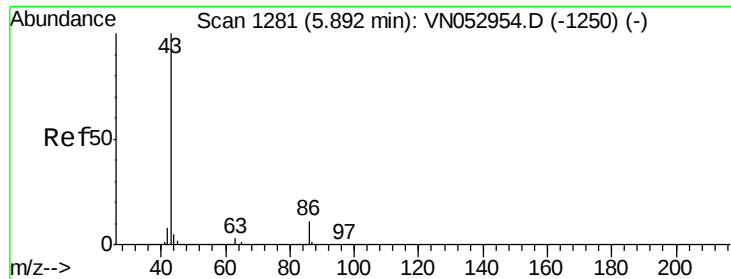
Abundance Ion 45.00 (44.70 to 45.70): VN053236.D (-1206) (-)

Ion 43.00 (42.70 to 43.70): VN053236.D (-1206) (-)

Ion 87.00 (86.70 to 87.70): VN053236.D (-1206) (-)

Ion 59.00 (58.70 to 59.70): VN053236.D (-1206) (-)





#23

Vinyl Acetate

Concen: 271.811 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

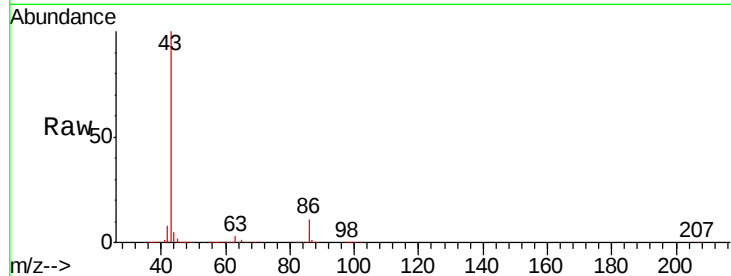
VSTDCCC050

Tgt Ion: 43 Resp: 4528927

Ion Ratio Lower Upper

43 100

86 10.6 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN053236.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN053236.D (-1188) (-)

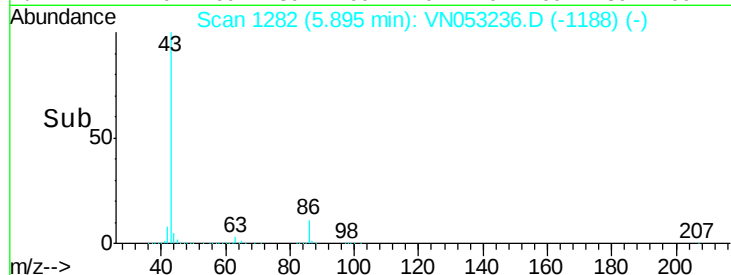
1500000

1000000

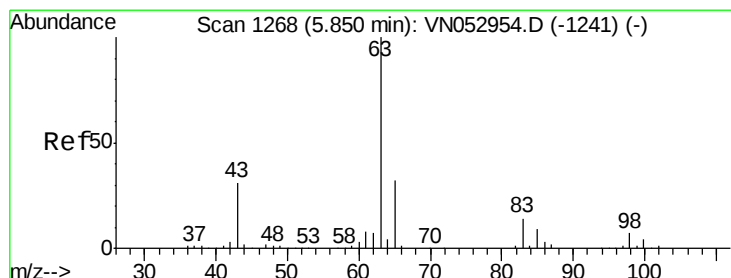
500000

0

5.70 5.80 5.90 6.00 6.10



Time-->



#24

1,1-Dichloroethane

Concen: 53.025 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

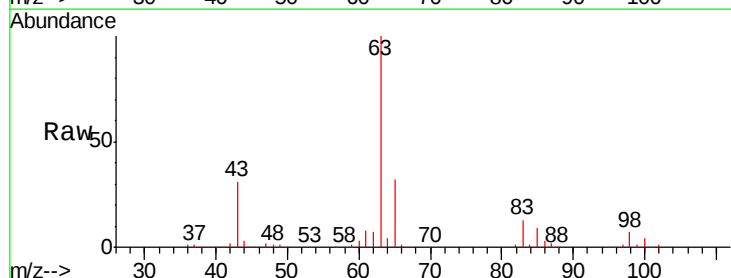
Tgt Ion: 63 Resp: 912997

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN053236.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN053236.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN053236.D (-1175) (-)

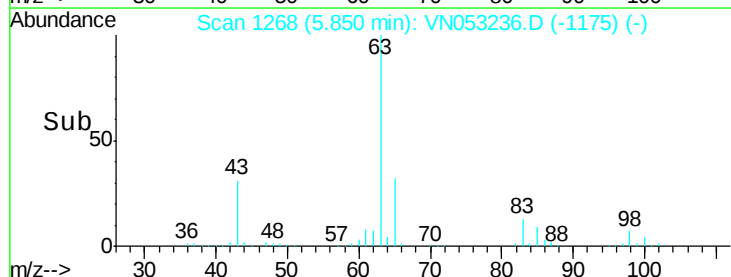
300000

200000

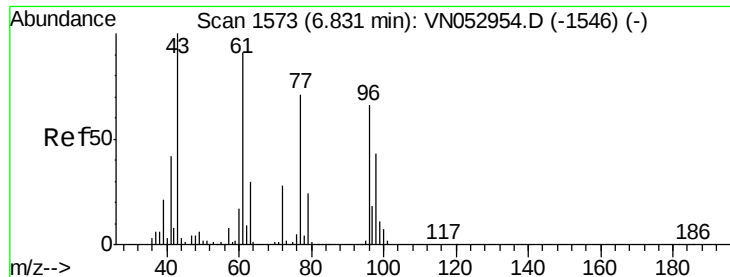
100000

0

5.70 5.80 5.90 6.00



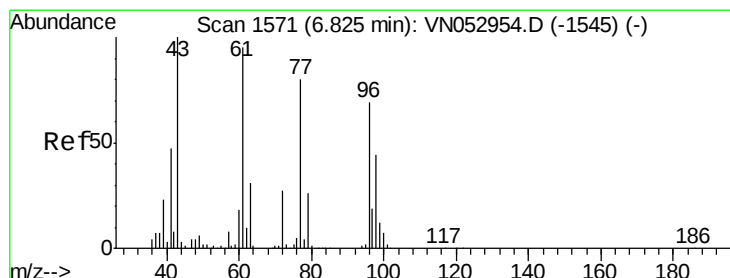
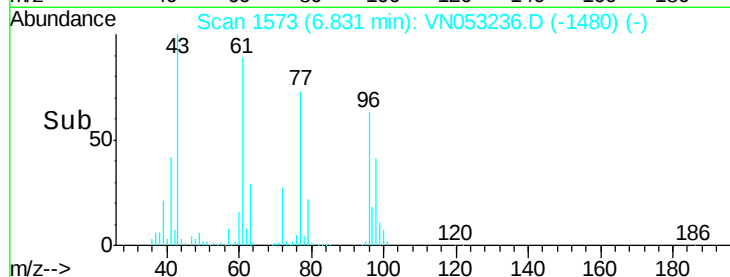
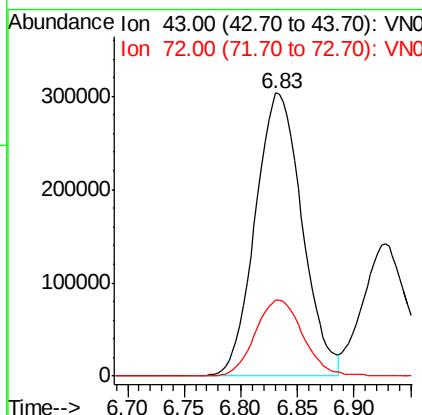
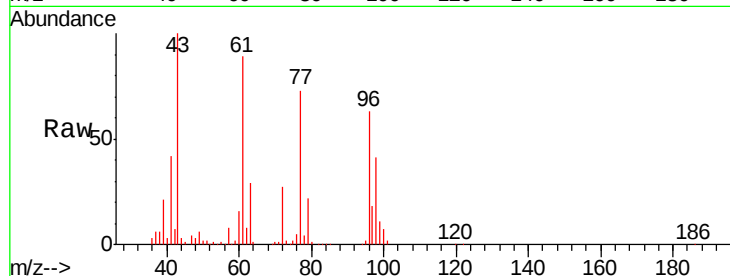
Time-->



#25
2-Butanone
Concen: 283.581 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

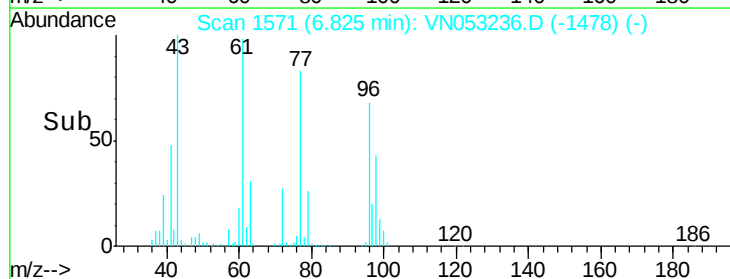
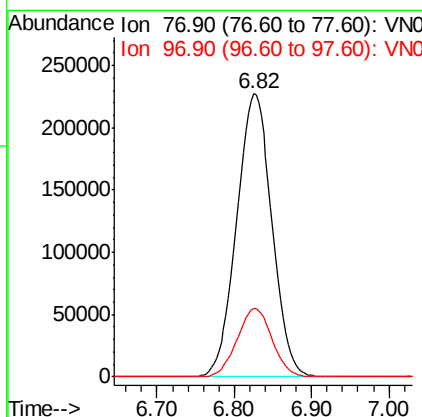
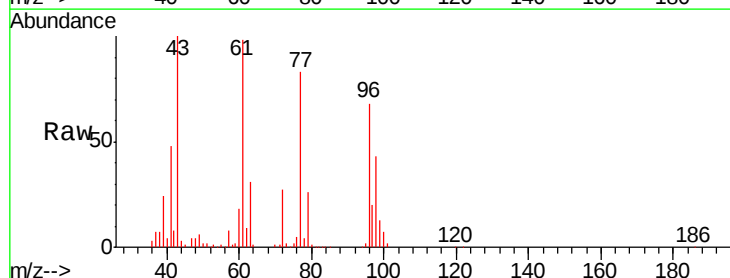
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

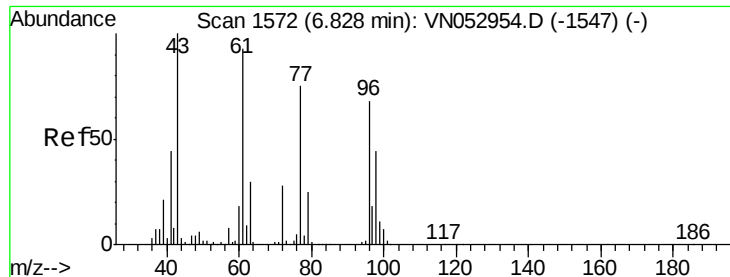
Tgt Ion: 43 Resp: 870701
Ion Ratio Lower Upper
43 100
72 26.7 21.0 31.6



#26
2,2-Dichloropropane
Concen: 54.857 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 77 Resp: 721030
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.9

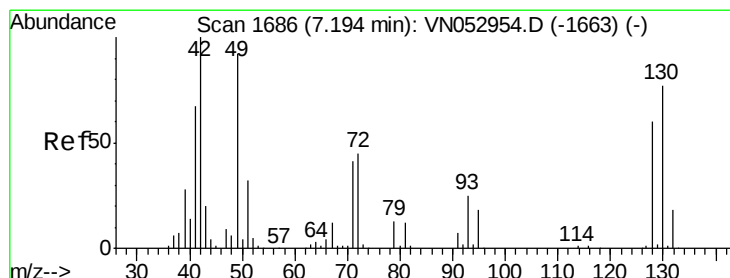
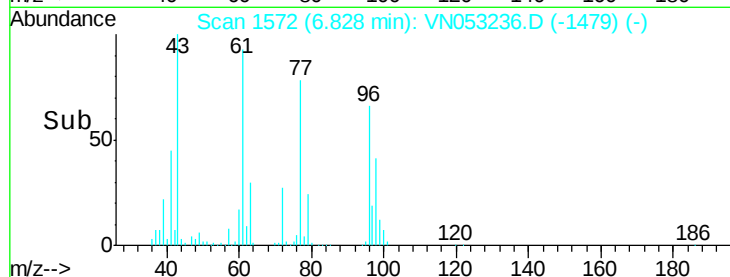
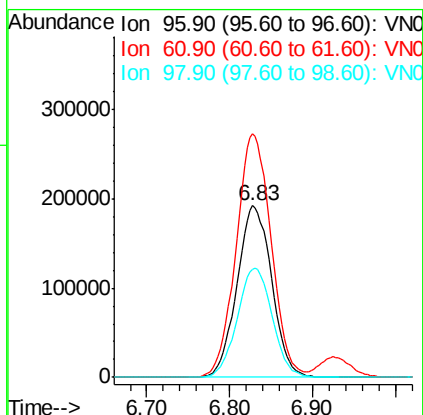
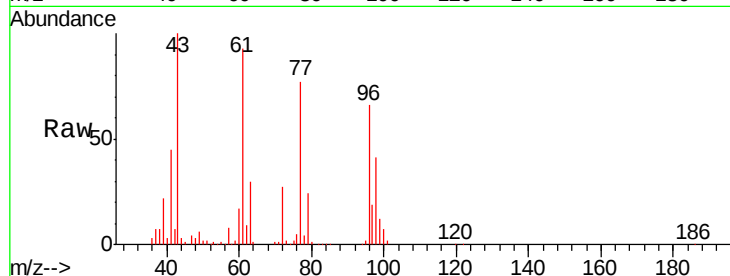




#27
 cis-1,2-Dichloroethene
 Concen: 52.460 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

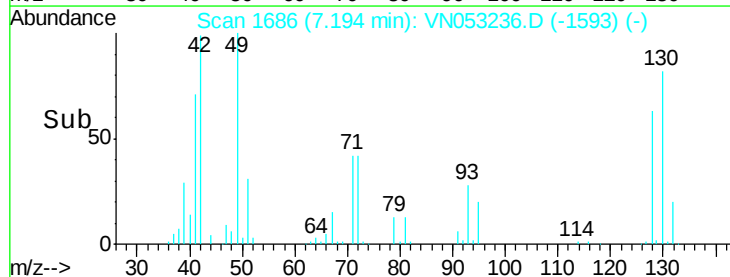
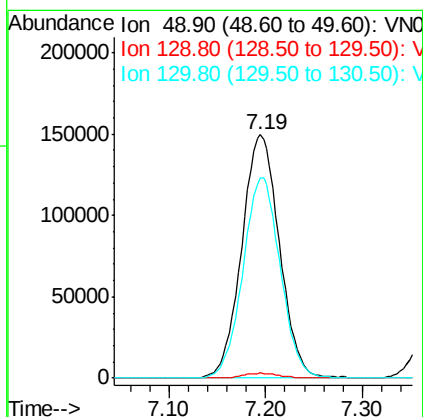
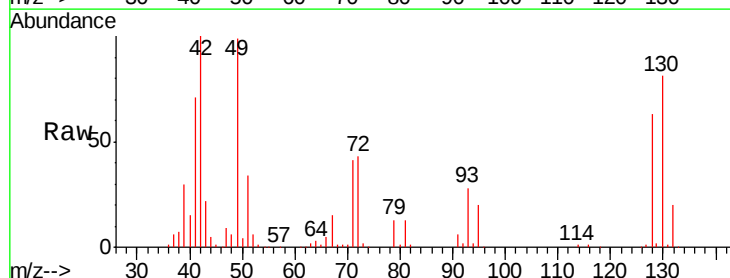
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

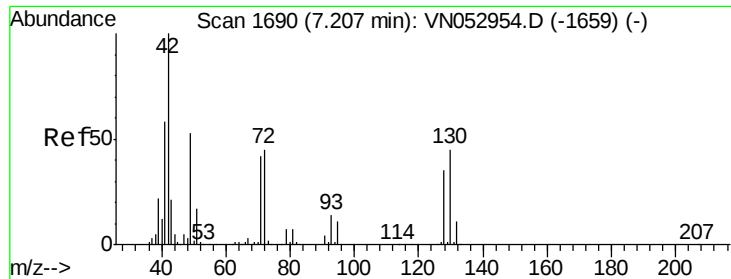
Tgt Ion: 96 Resp: 559218
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 284.2
 98 64.4 0.0 129.2



#28
 Bromochloromethane
 Concen: 54.241 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 49 Resp: 404694
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 81.7 63.3 94.9

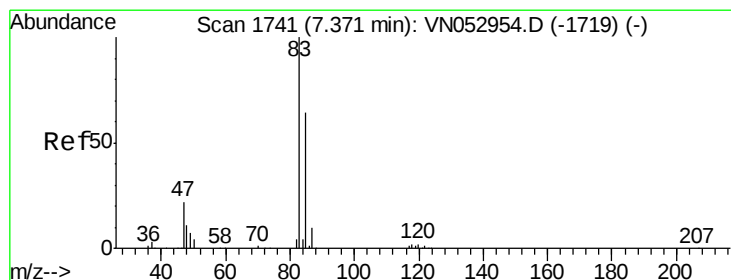
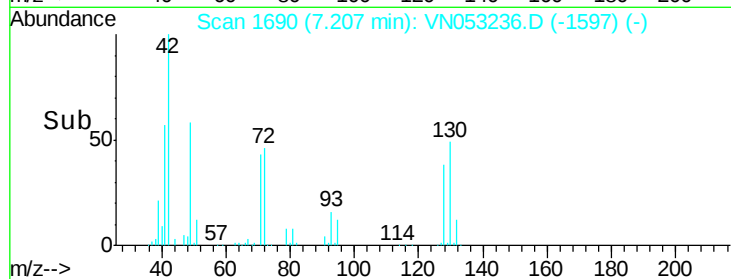
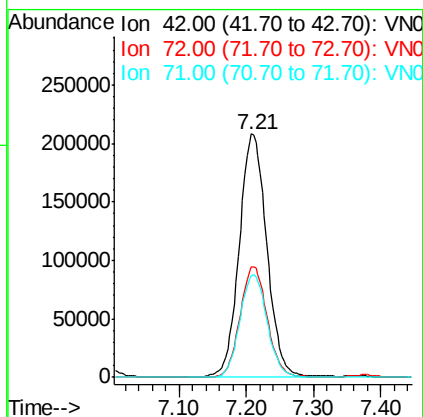
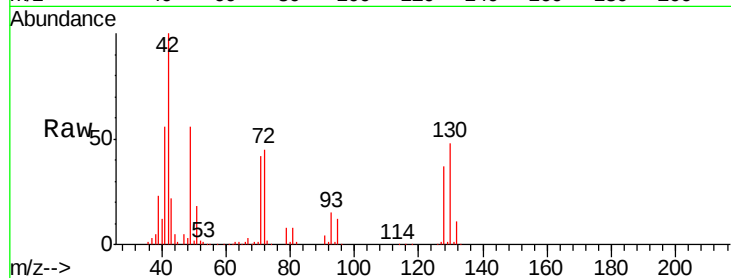




#29
Tetrahydrofuran
Concen: 258.092 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

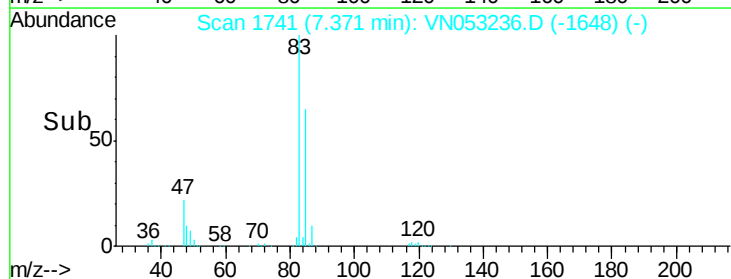
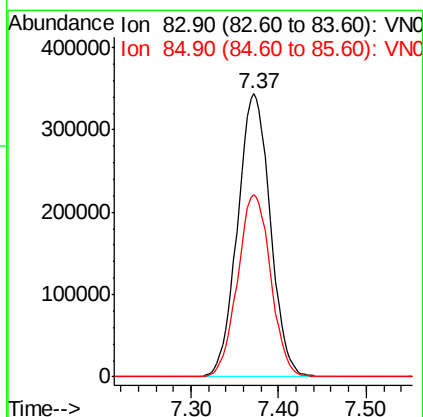
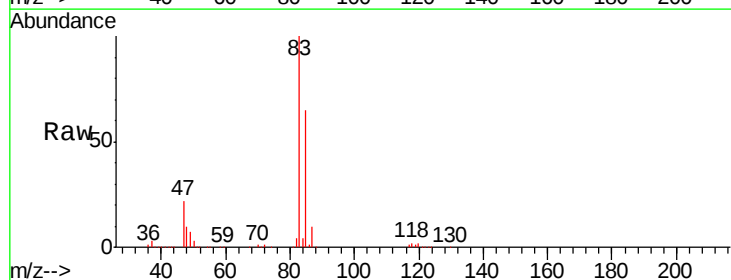
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

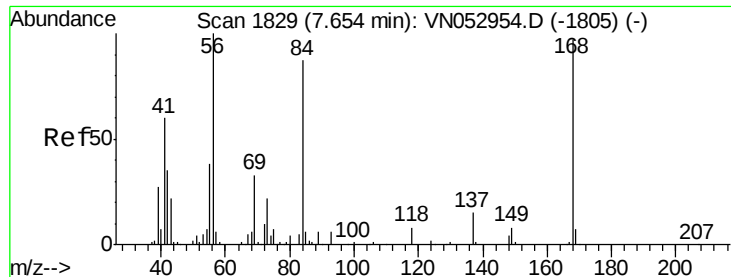
Tgt Ion: 42 Resp: 591849
Ion Ratio Lower Upper
42 100
72 44.7 34.7 52.1
71 41.8 32.3 48.5



#30
Chloroform
Concen: 52.816 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 83 Resp: 893342
Ion Ratio Lower Upper
83 100
85 64.6 52.1 78.1





#31

Cyclohexane

Concen: 50.363 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

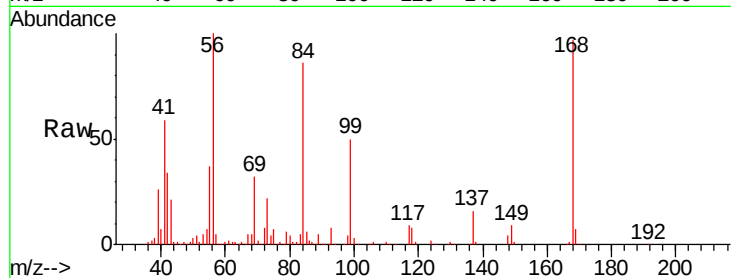
Tgt Ion: 56 Resp: 813167

Ion Ratio Lower Upper

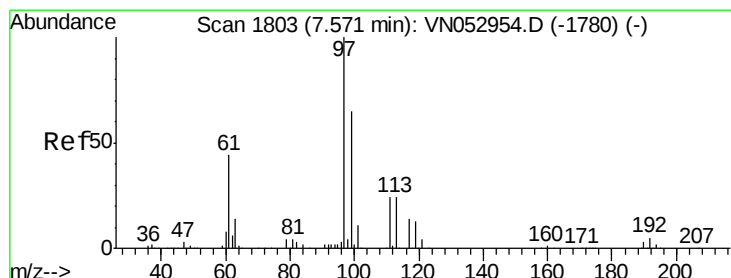
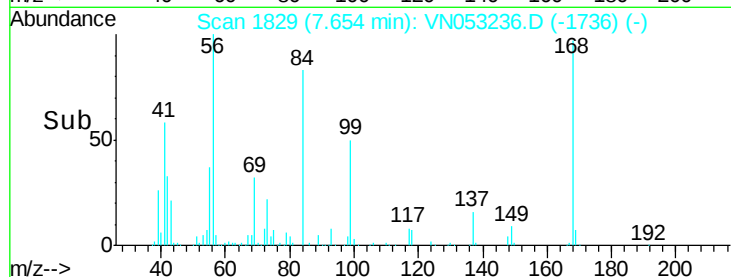
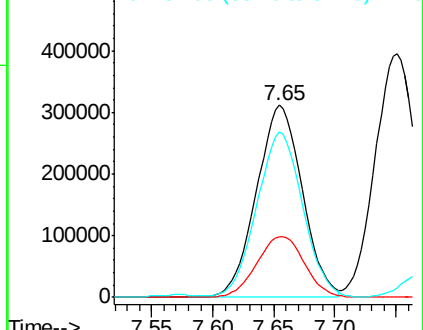
56 100

69 31.8 26.6 39.8

84 84.8 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 52.416 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

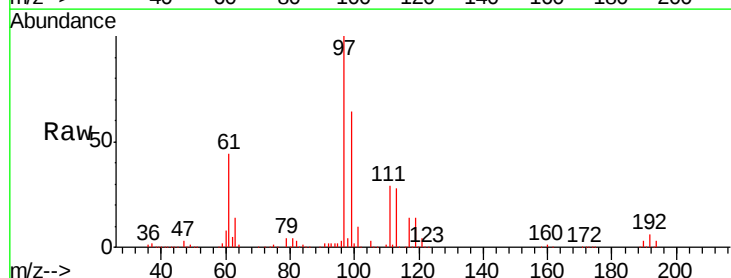
Tgt Ion: 97 Resp: 755254

Ion Ratio Lower Upper

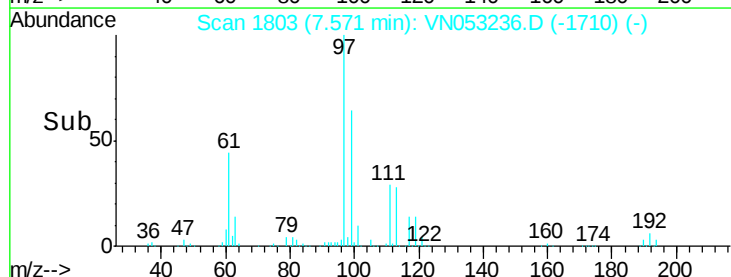
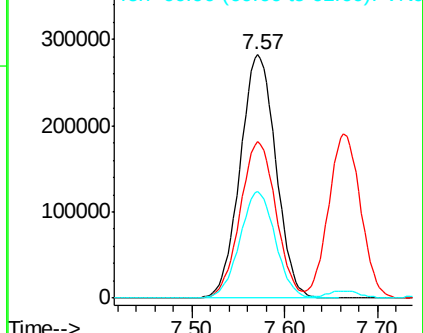
97 100

99 64.5 51.1 76.7

61 43.5 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.416 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

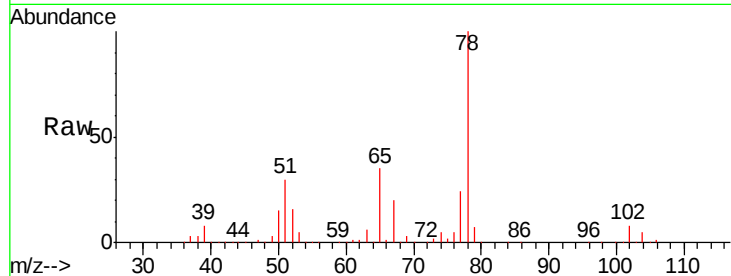
VSTDCCC050

Tgt Ion: 65 Resp: 463608

Ion Ratio Lower Upper

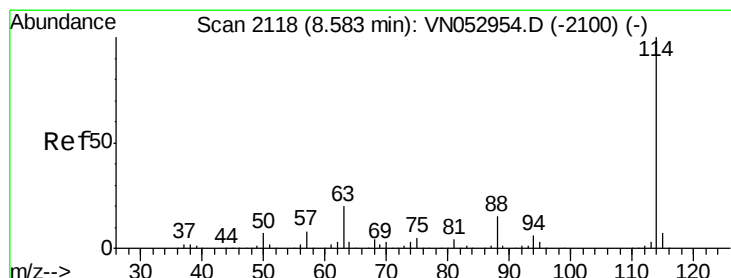
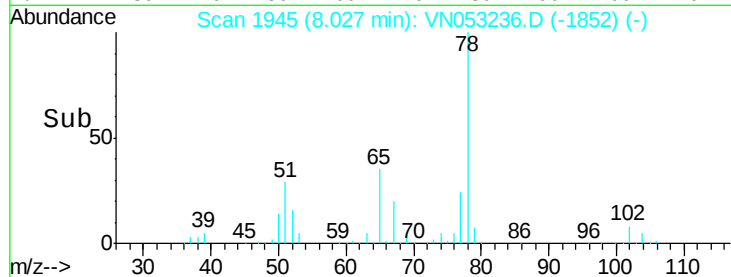
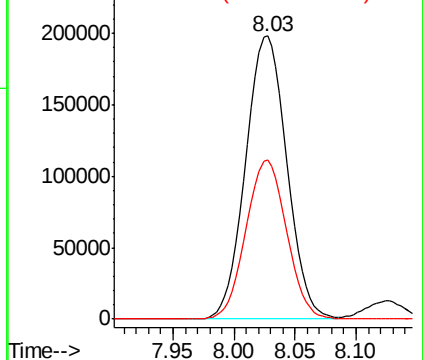
65 100

67 55.5 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN053236.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053236.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

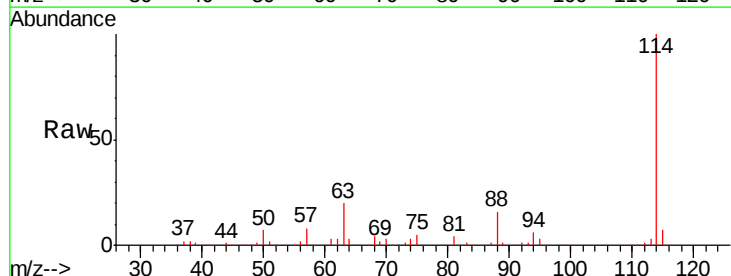
Tgt Ion: 114 Resp: 1363468

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

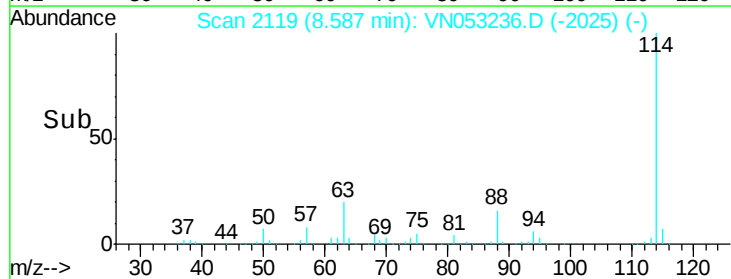
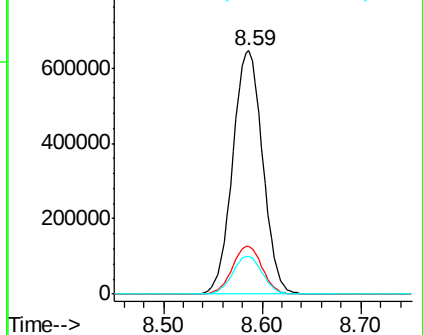
88 15.5 0.0 31.0

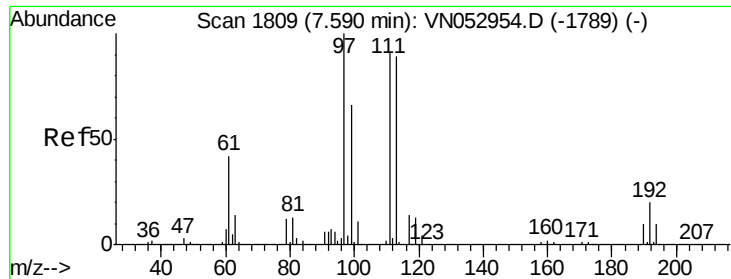


Abundance Ion 113.90 (113.60 to 114.60): VN053236.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN053236.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN053236.D (-2025) (-)

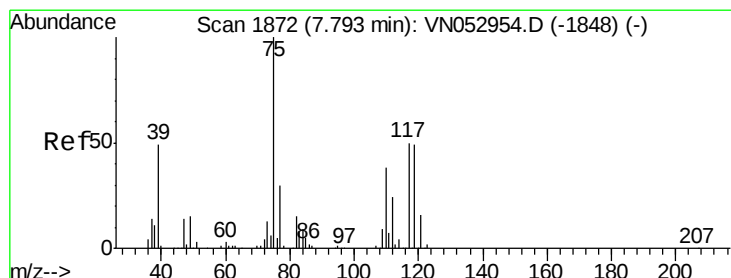
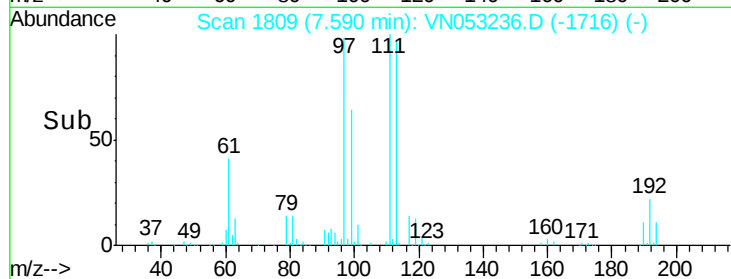
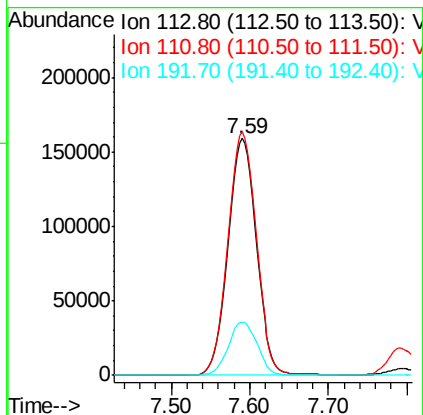
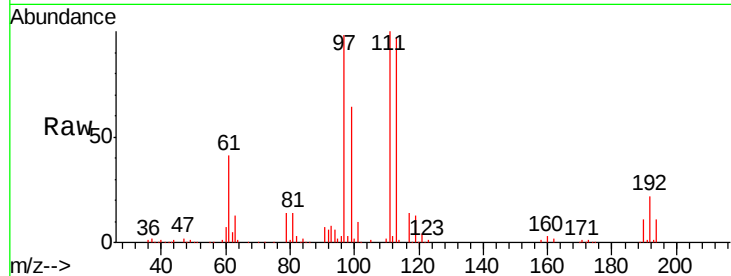




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

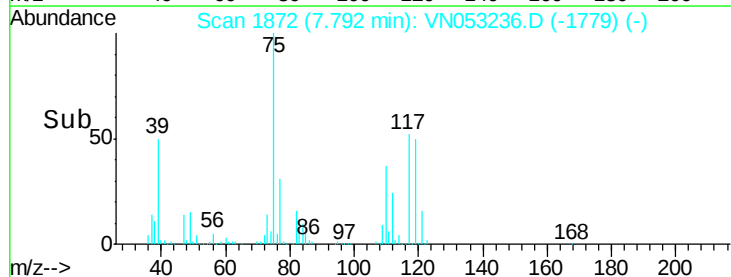
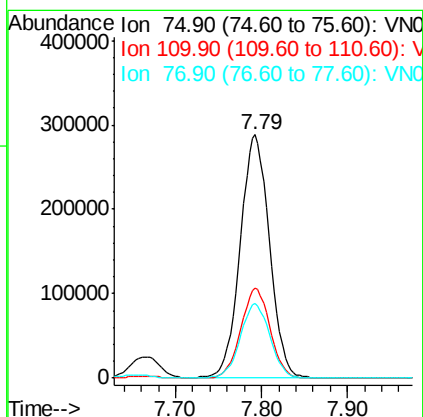
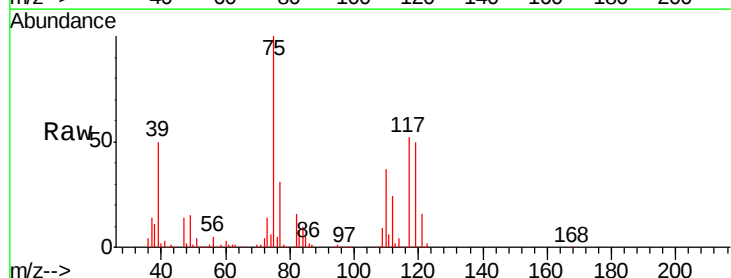
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

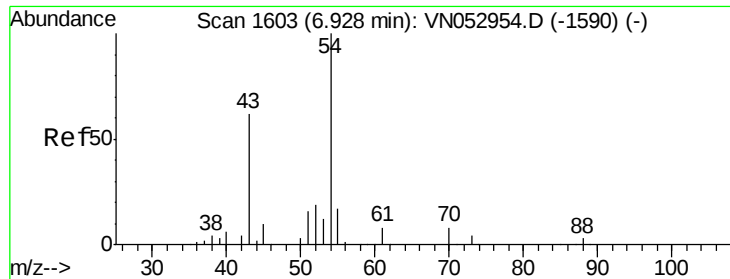
Tgt Ion: 113 Resp: 400553
 Ion Ratio Lower Upper
 113 100
 111 102.5 83.0 124.4
 192 22.8 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 51.937 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 75 Resp: 679693
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.2 54.6
 77 31.2 24.9 37.3

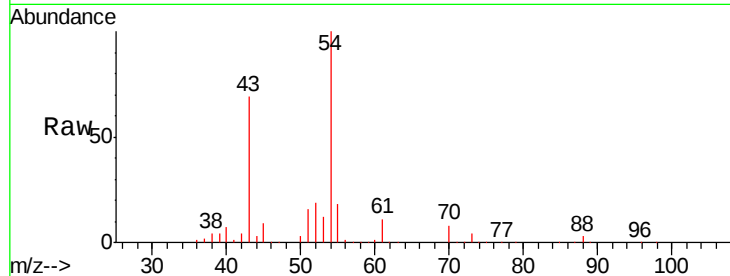




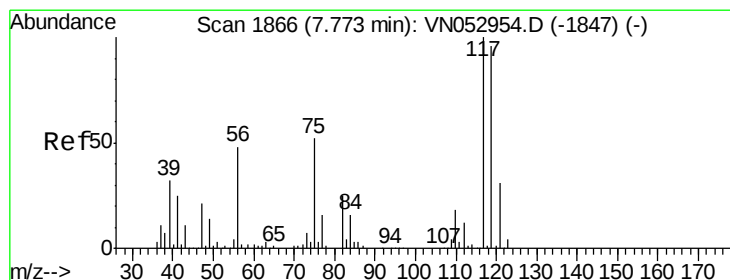
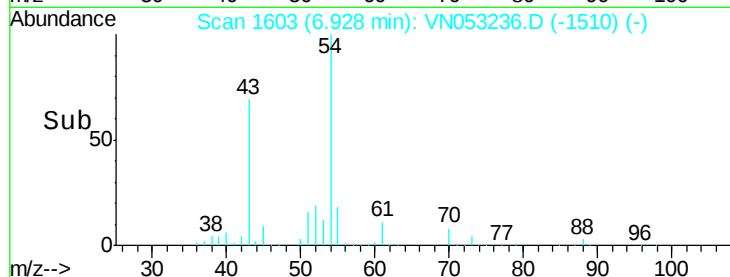
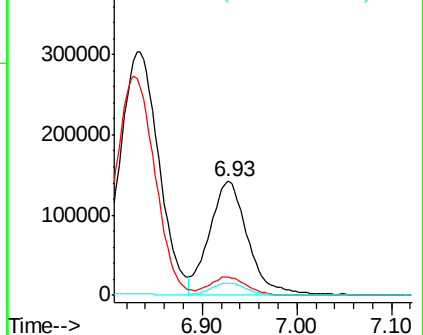
#37
Ethyl Acetate
Concen: 54.070 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 395022
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 10.8 8.4 12.6

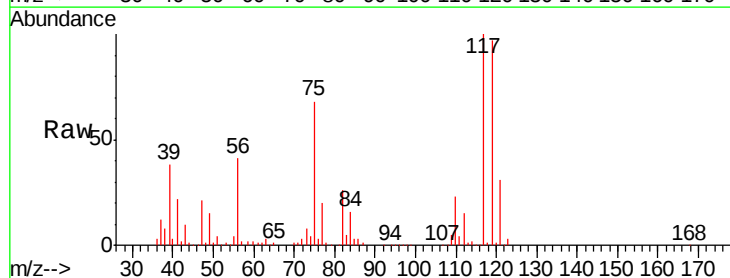


Abundance Ion 43.00 (42.70 to 43.70): VN053236.D (-1510) (-)
Ion 60.90 (60.60 to 61.60): VN053236.D (-1510) (-)
Ion 70.00 (69.70 to 70.70): VN053236.D (-1510) (-)

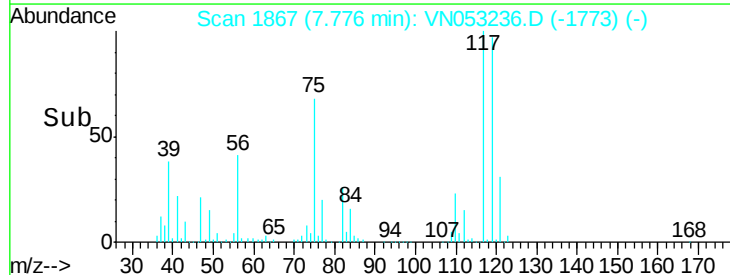
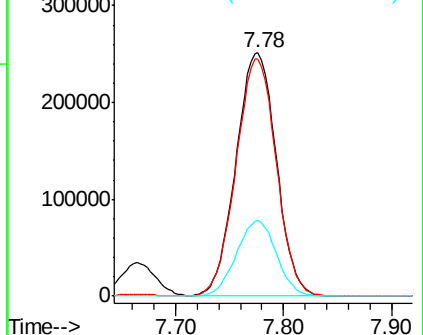


#38
Carbon Tetrachloride
Concen: 54.380 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 117 Resp: 652313
Ion Ratio Lower Upper
117 100
119 97.3 77.1 115.7
121 31.1 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN053236.D (-1773) (-)
Ion 118.80 (118.50 to 119.50): VN053236.D (-1773) (-)
Ion 120.80 (120.50 to 121.50): VN053236.D (-1773) (-)

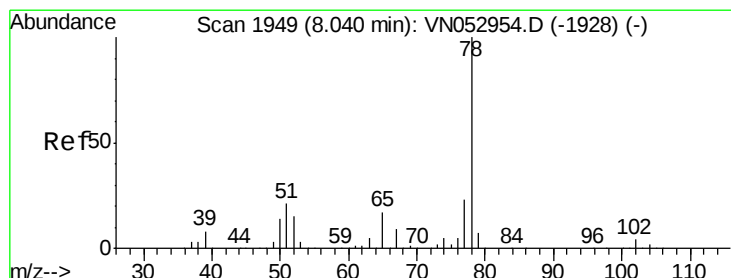
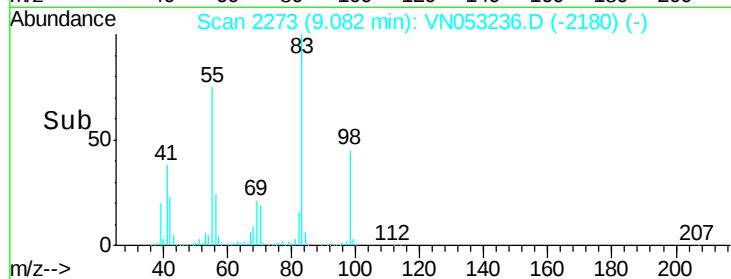
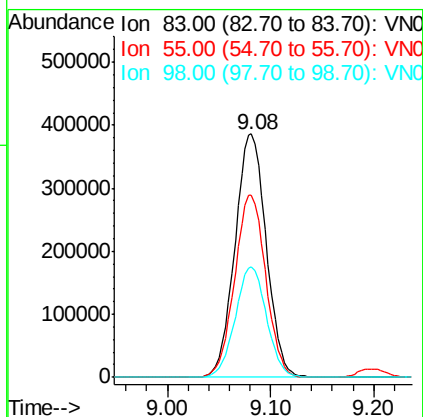
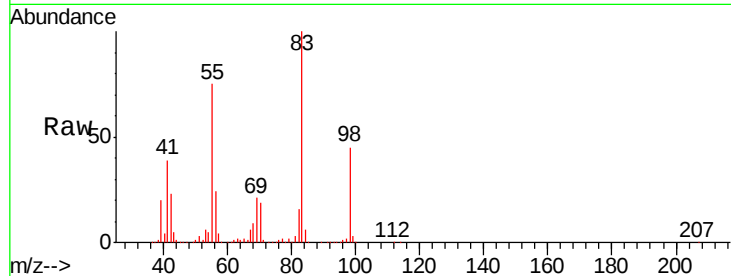




#39
Methylcyclohexane
Concen: 51.270 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

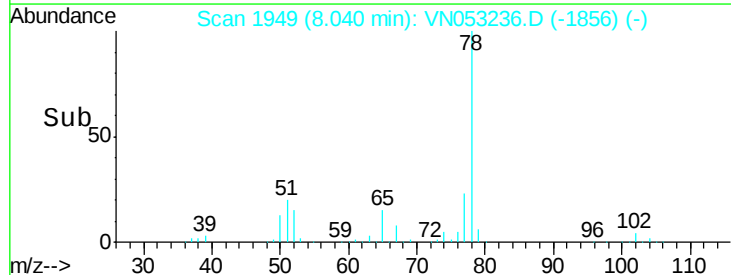
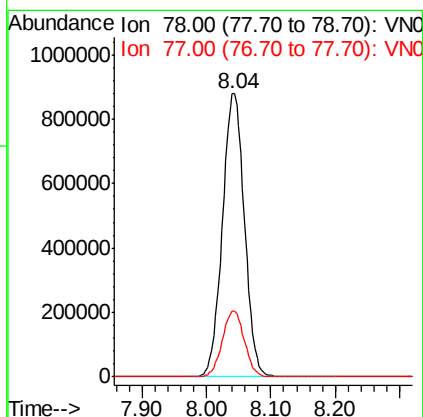
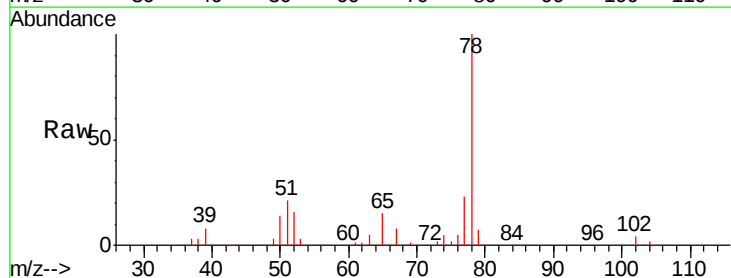
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

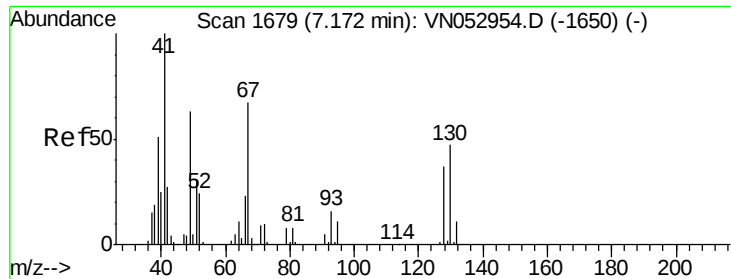
Tgt Ion: 83 Resp: 815084
Ion Ratio Lower Upper
83 100
55 75.0 61.3 91.9
98 45.4 37.0 55.4



#40
Benzene
Concen: 53.554 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 78 Resp: 2084686
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

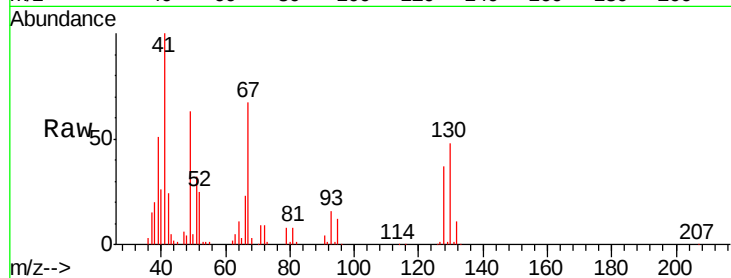




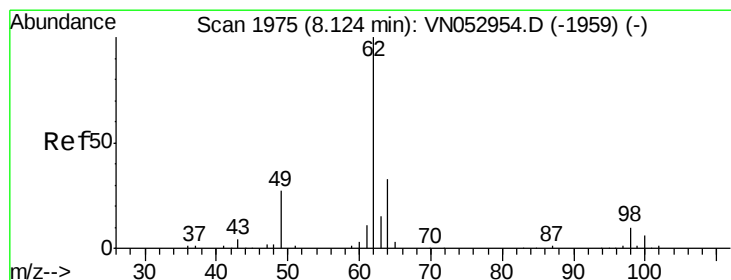
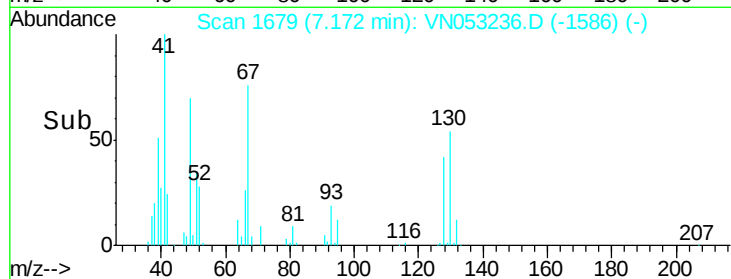
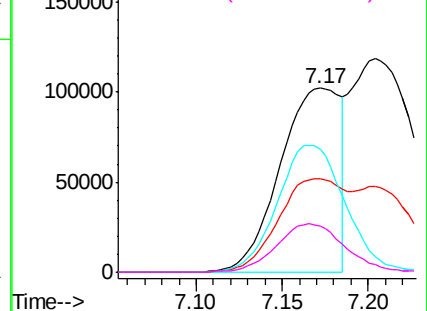
#41
Methacrylonitrile
Concen: 59.033 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:	41	Resp:	249191
Ion	Ratio	Lower	Upper
41	100		
39	58.5	48.0	72.0
67	78.0	70.3	105.5
52	29.7	26.9	40.3

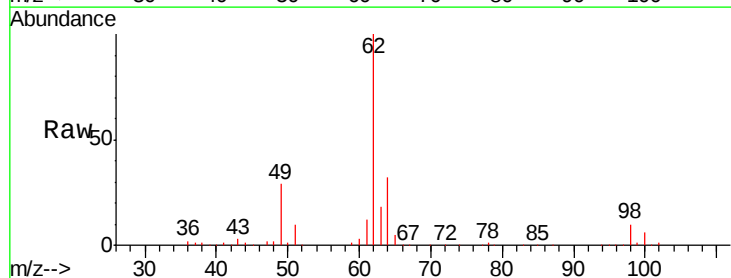


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

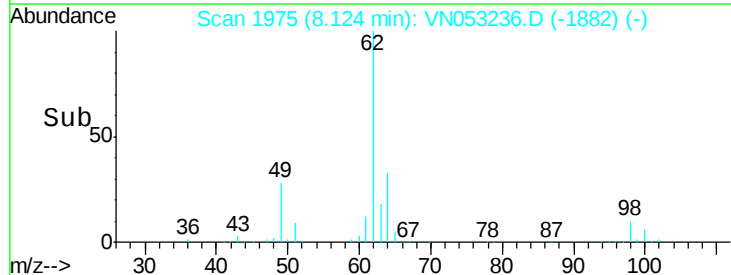
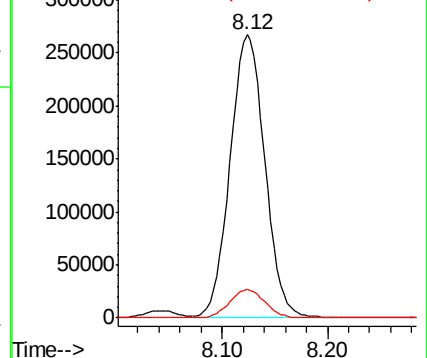


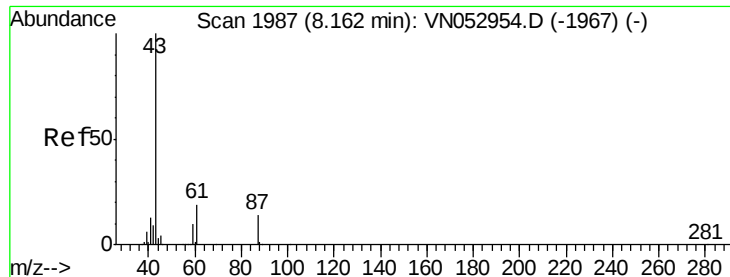
#42
1,2-Dichloroethane
Concen: 52.843 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:	62	Resp:	607676
Ion	Ratio	Lower	Upper
62	100		
98	10.2	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: 51.654 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

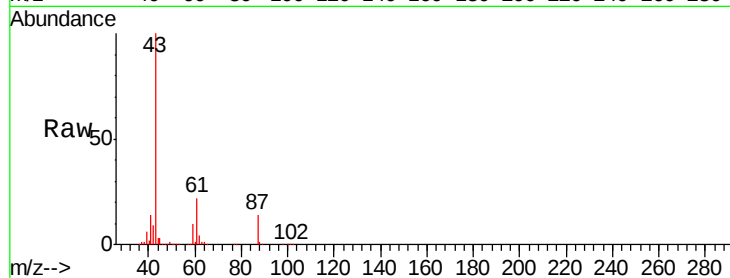
Tgt Ion: 43 Resp: 729799

Ion Ratio Lower Upper

43 100

61 30.5 22.9 34.3

87 14.0 10.6 15.8

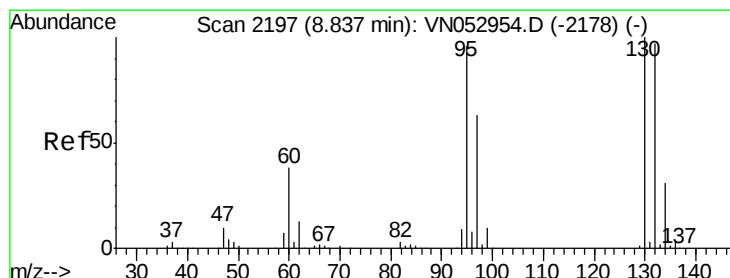
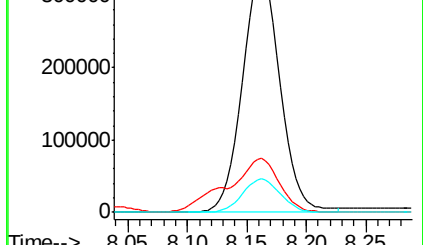
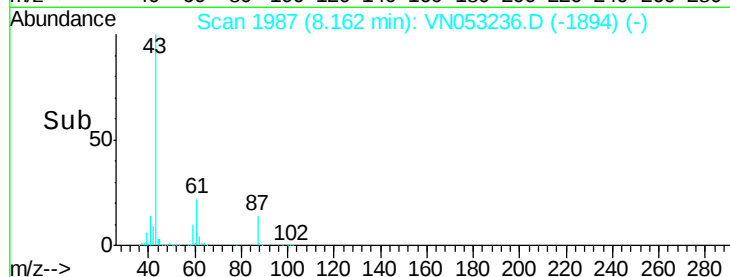


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 50.729 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053236.D

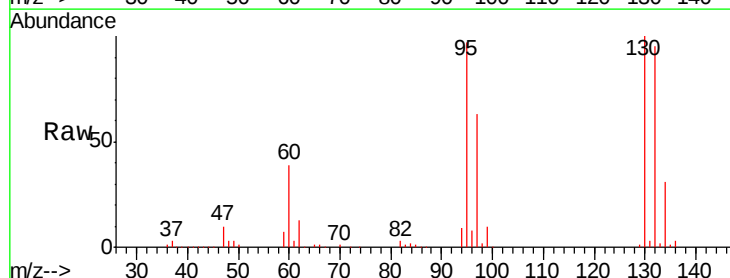
Acq: 2 Jan 2019 9:37

Tgt Ion: 130 Resp: 571166

Ion Ratio Lower Upper

130 100

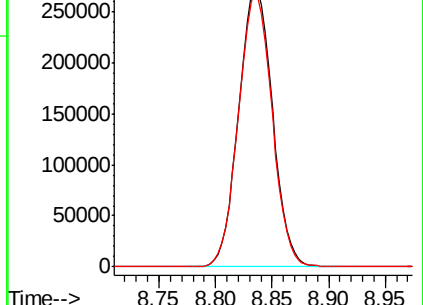
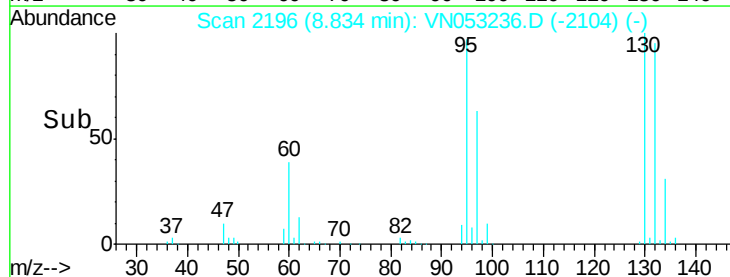
95 96.9 0.0 197.8

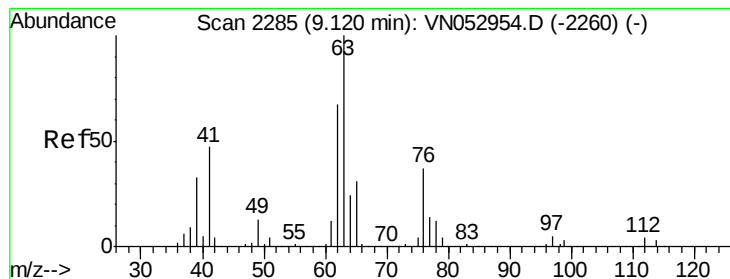


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 55.385 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

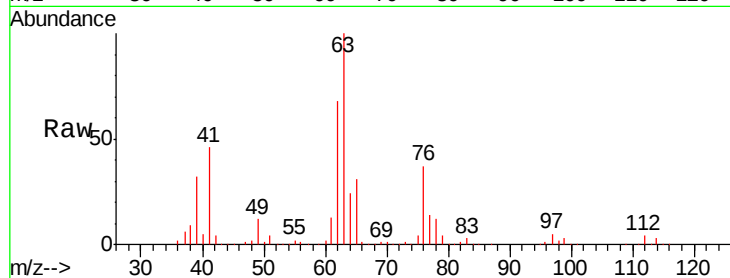
VSTDCCC050

Tgt Ion: 63 Resp: 561568

Ion Ratio Lower Upper

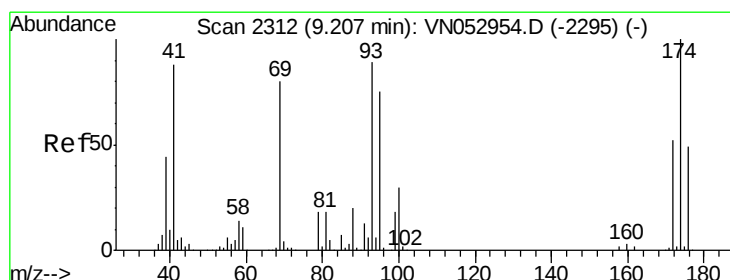
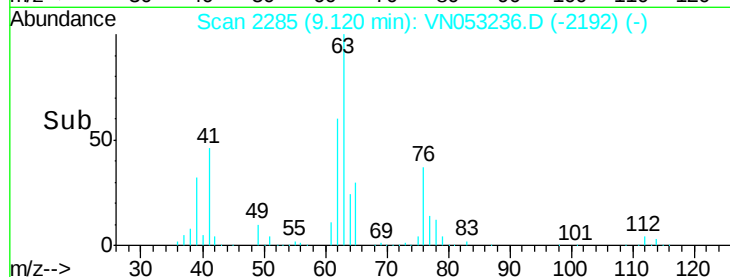
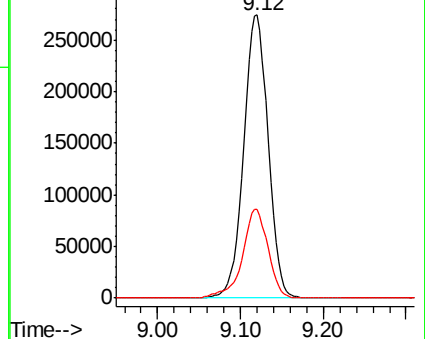
63 100

65 31.2 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN053236.D (-2192) (-)

Ion 64.90 (64.60 to 65.60): VN053236.D (-2192) (-)



#46

Dibromomethane

Concen: 53.038 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

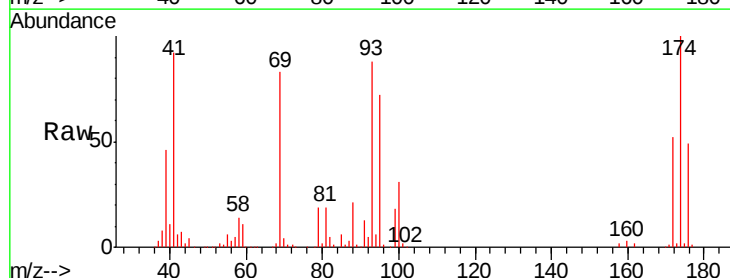
Tgt Ion: 93 Resp: 313275

Ion Ratio Lower Upper

93 100

95 83.5 67.8 101.6

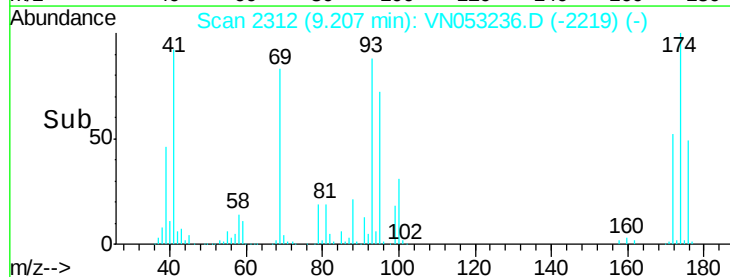
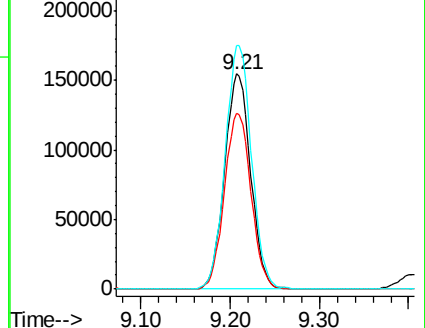
174 114.3 89.0 133.4

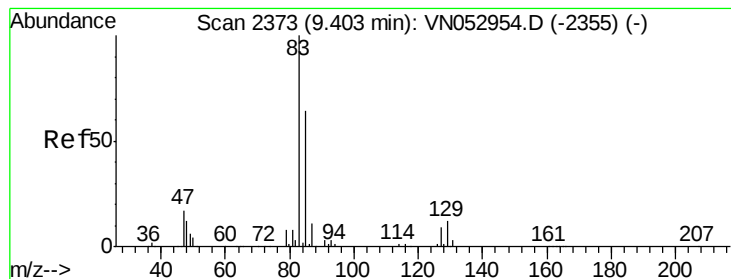


Abundance Ion 92.80 (92.50 to 93.50): VN053236.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN053236.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN053236.D (-2219) (-)





#47

Bromodichloromethane

Concen: 55.636 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

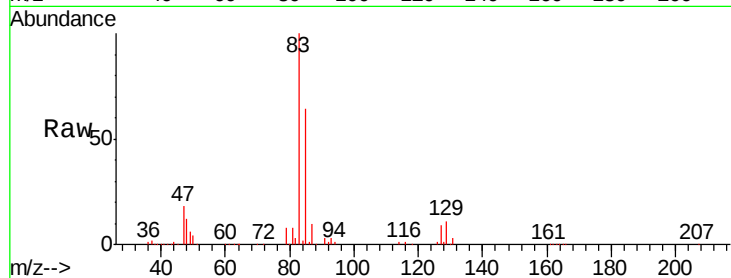
Tgt Ion: 83 Resp: 698536

Ion Ratio Lower Upper

83 100

85 64.3 51.6 77.4

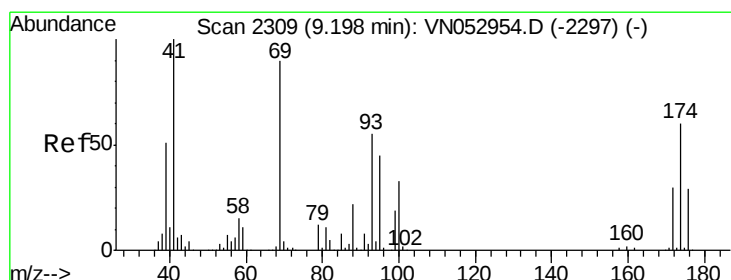
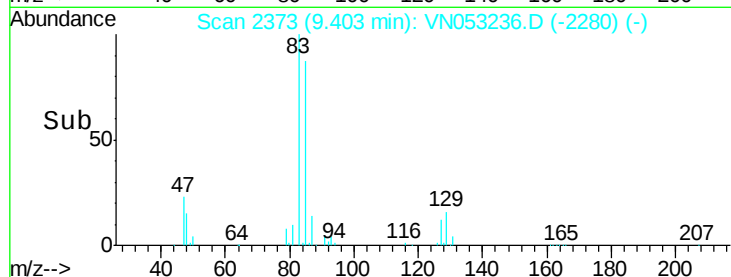
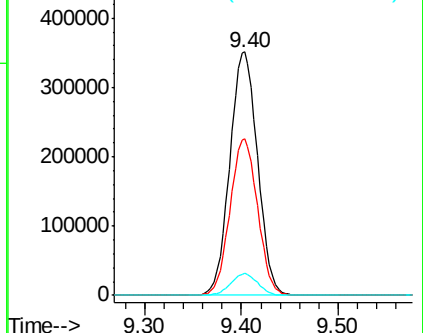
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053236.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053236.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053236.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.928 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

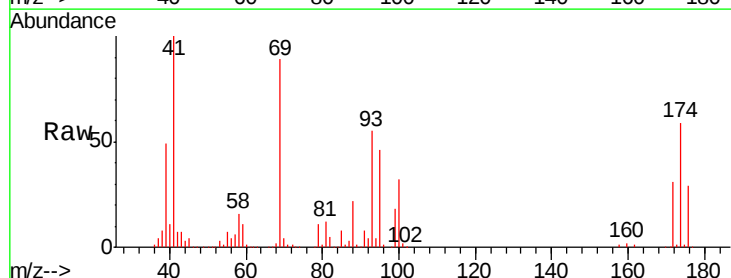
Tgt Ion: 41 Resp: 389399

Ion Ratio Lower Upper

41 100

69 88.9 72.2 108.2

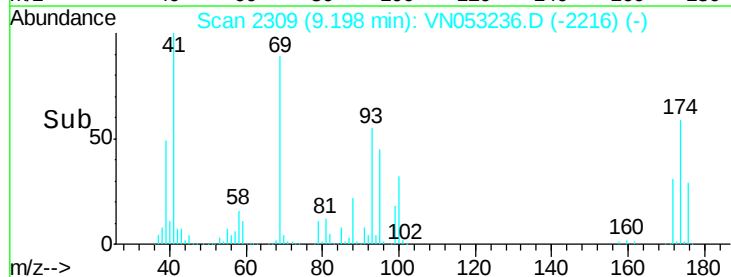
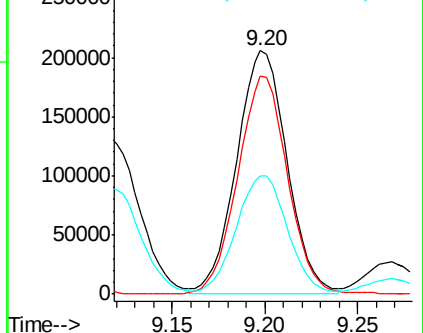
39 49.7 41.9 62.9

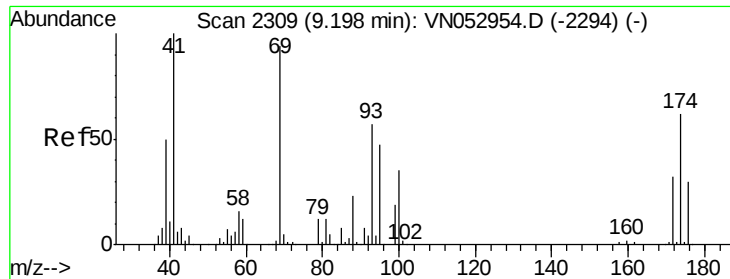


Abundance Ion 41.00 (40.70 to 41.70): VN053236.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053236.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053236.D (-2216) (-)





#49

1,4-Dioxane

Concen: 1039.436 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

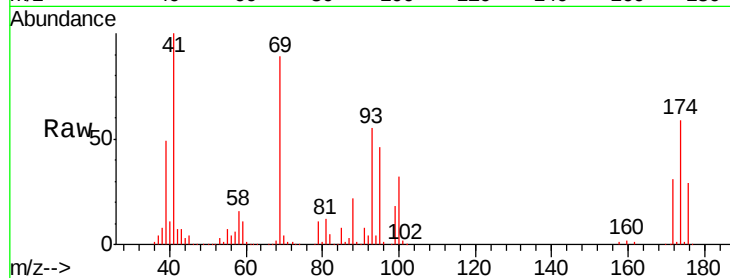
Tgt Ion: 88 Resp: 93213

Ion Ratio Lower Upper

88 100

43 32.2 26.6 40.0

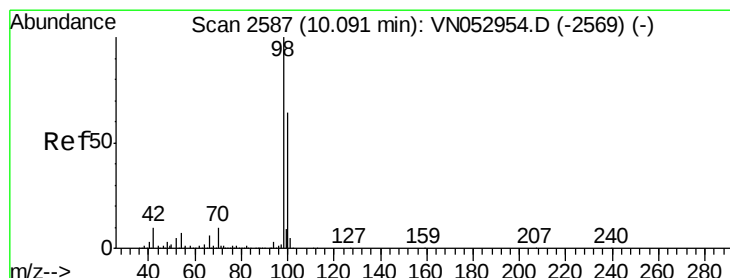
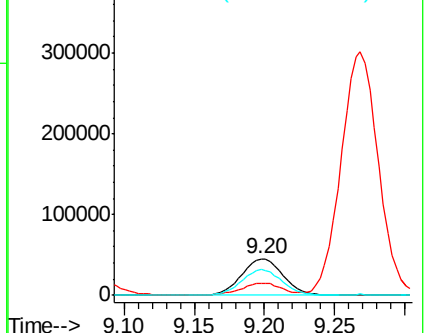
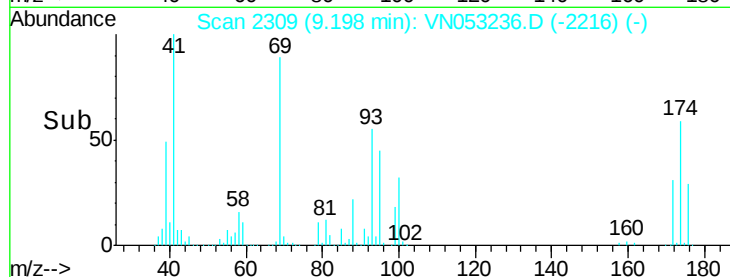
58 69.6 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN053236.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053236.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053236.D (-2216) (-)



#50

Toluene-d8

Concen: 1039.436 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053236.D

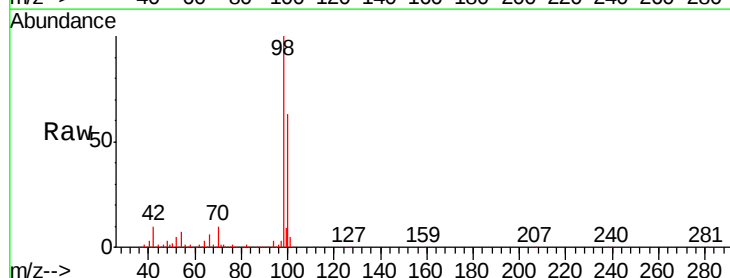
Acq: 2 Jan 2019 9:37

Tgt Ion: 98 Resp: 1716040

Ion Ratio Lower Upper

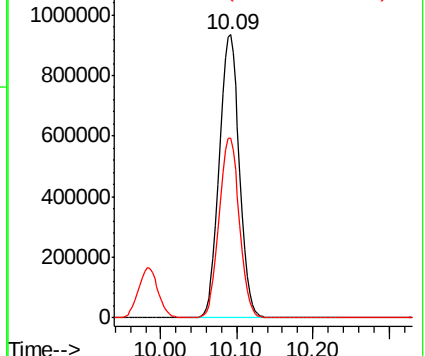
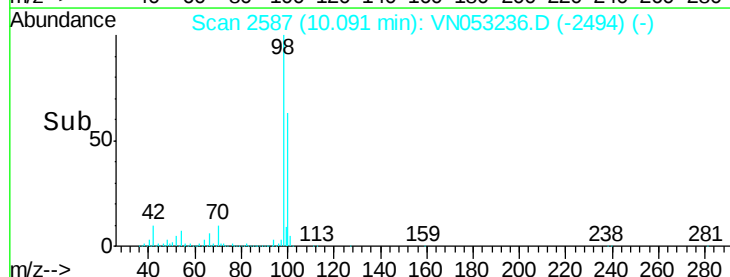
98 100

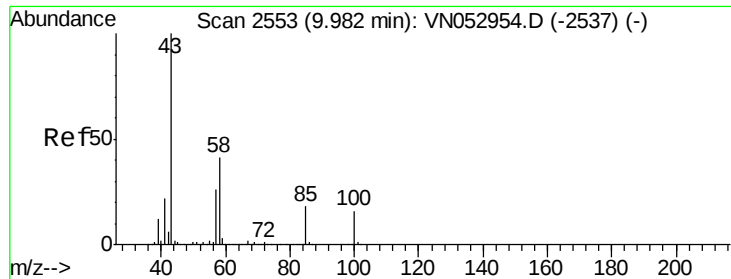
100 64.1 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053236.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053236.D (-2494) (-)

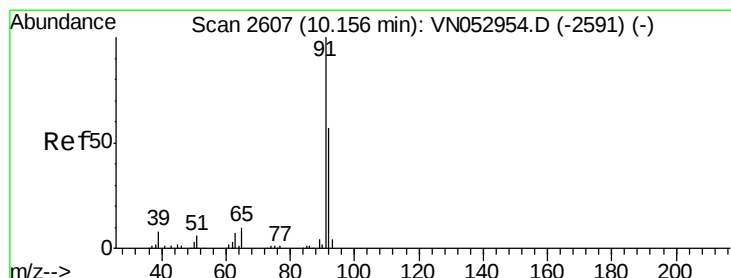
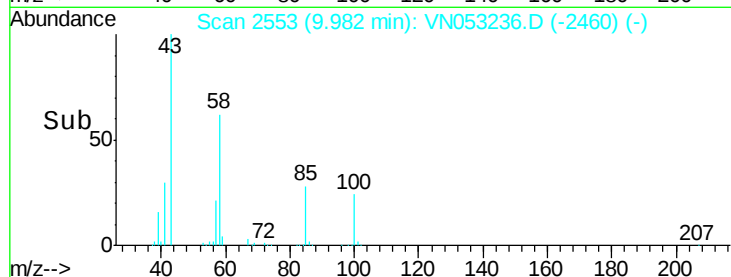
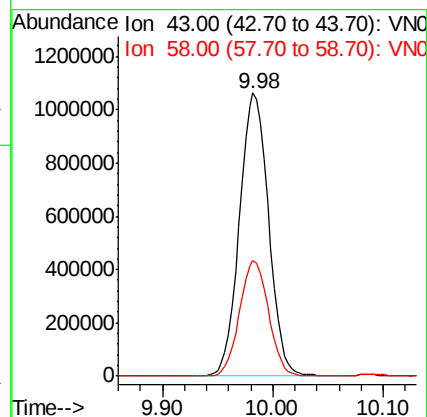
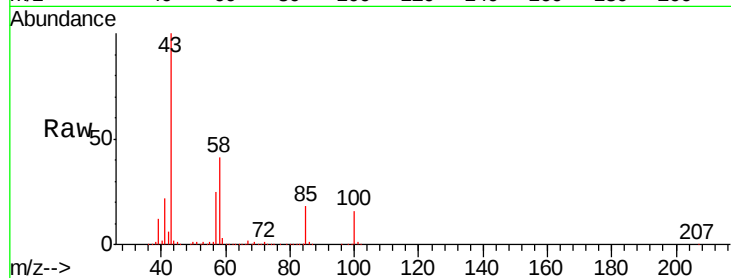




#51
 4-Methyl-2-Pentanone
 Concen: 274.220 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

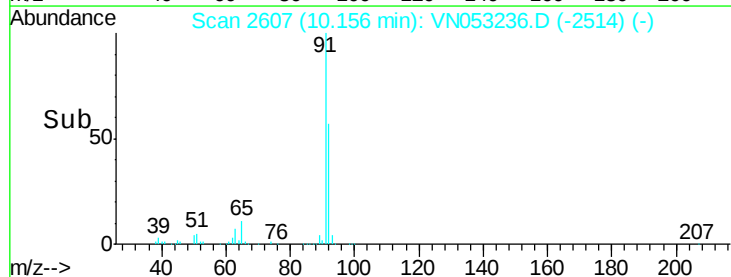
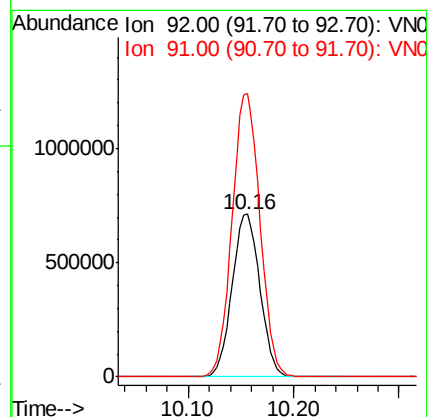
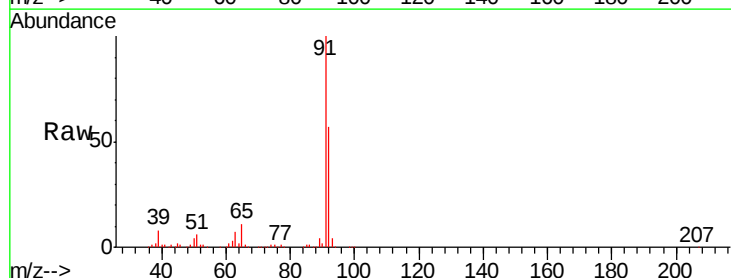
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

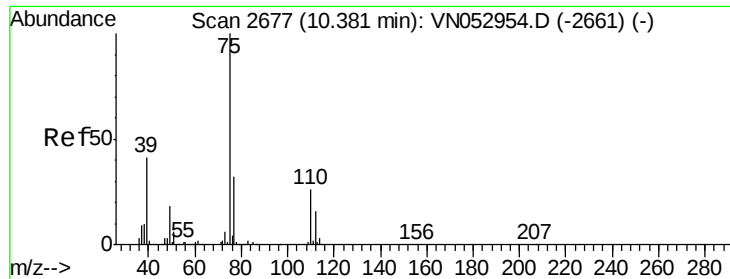
Tgt Ion: 43 Resp: 1940123
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.2 48.4



#52
 Toluene
 Concen: 53.622 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 92 Resp: 1293781
 Ion Ratio Lower Upper
 92 100
 91 175.0 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 53.737 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

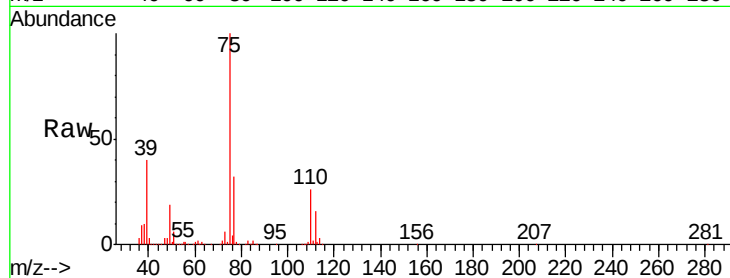
VSTDCCC050

Tgt Ion: 75 Resp: 709467

Ion Ratio Lower Upper

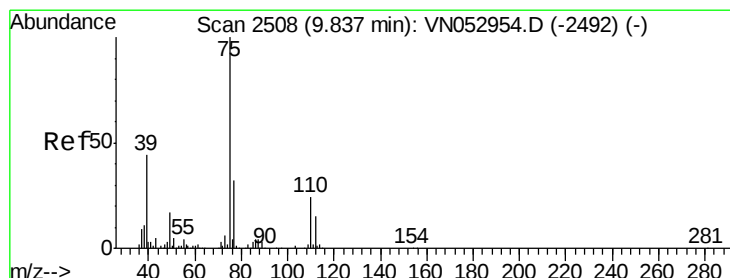
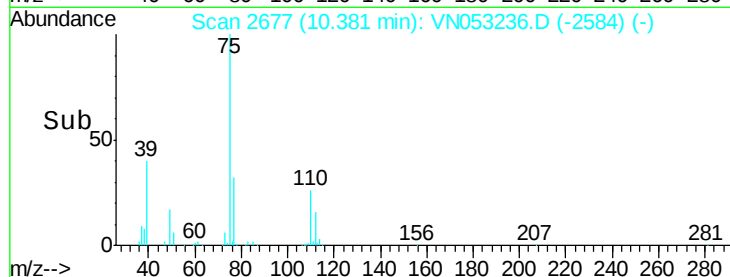
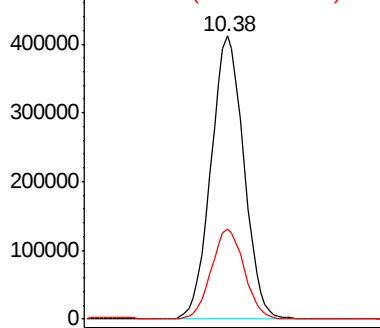
75 100

77 31.6 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.898 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

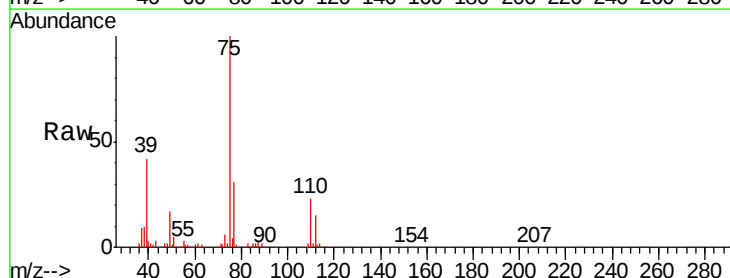
Tgt Ion: 75 Resp: 831938

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.8

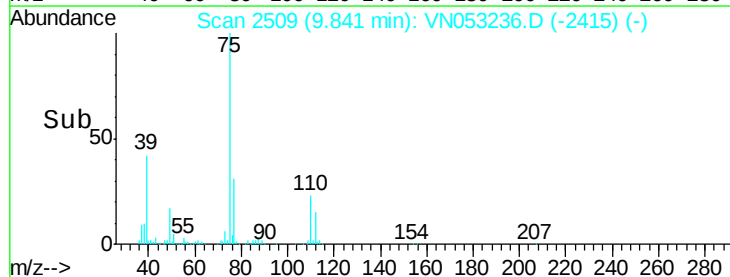
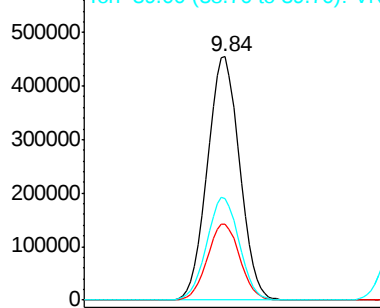
39 41.7 34.8 52.2



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

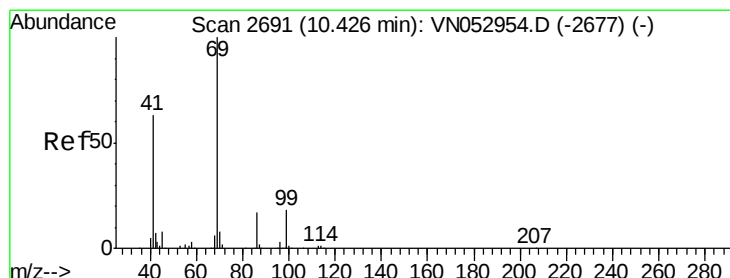
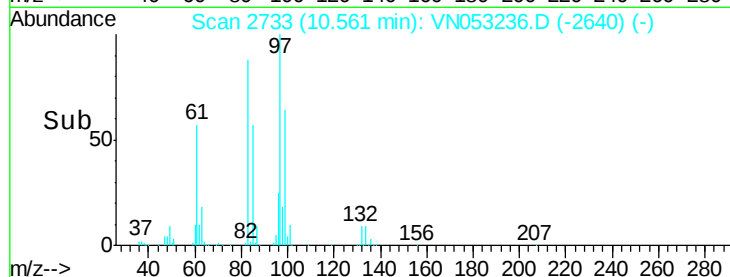
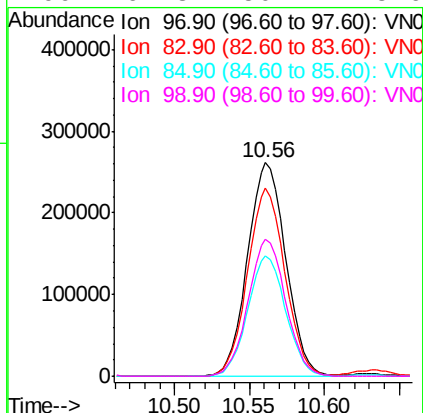
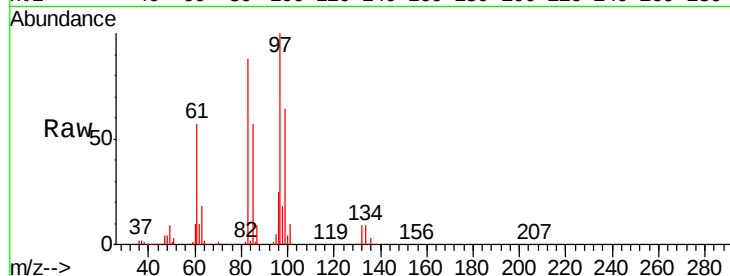




#55
 1,1,2-Trichloroethane
 Concen: 55.331 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

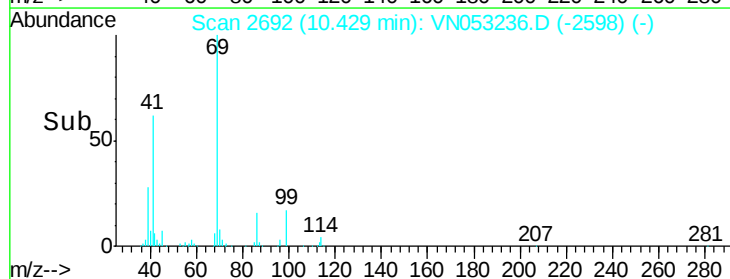
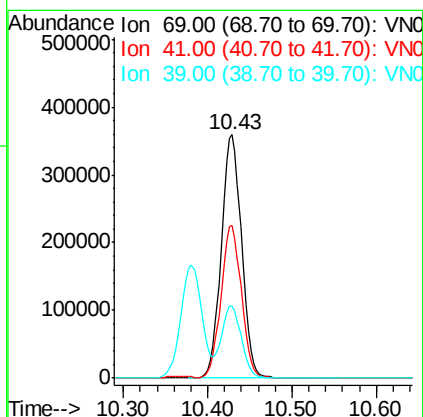
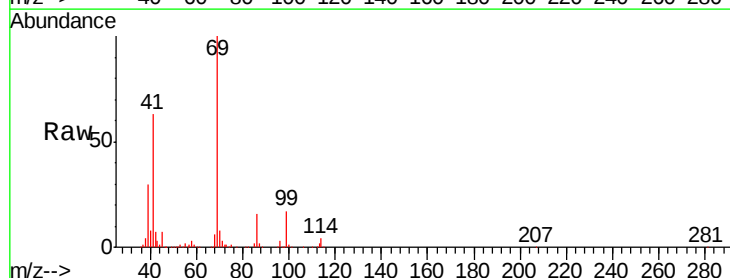
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	97	Resp:	465751
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	56.6	45.4	68.2
99	64.3	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 53.926 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion:	69	Resp:	600805
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.7	77.5
39	29.2	24.6	37.0





#57

1,3-Dichloropropane

Concen: 54.356 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

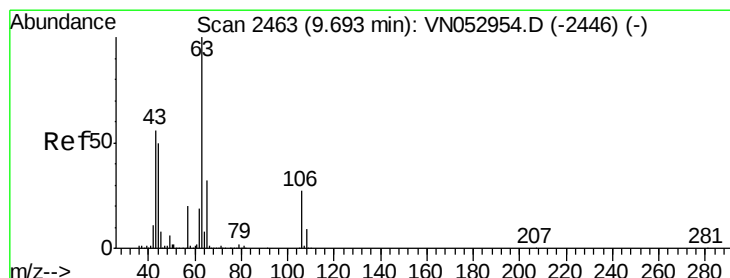
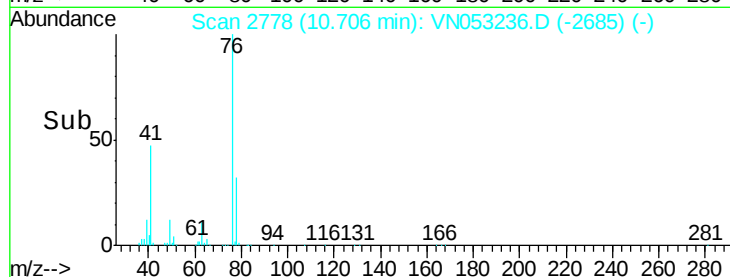
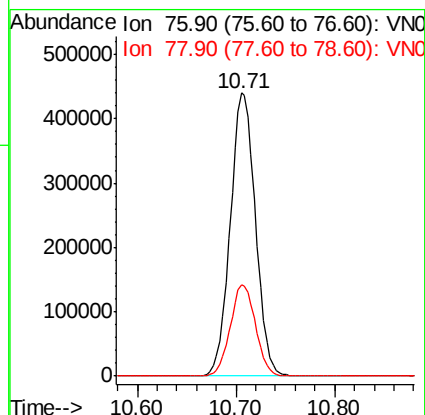
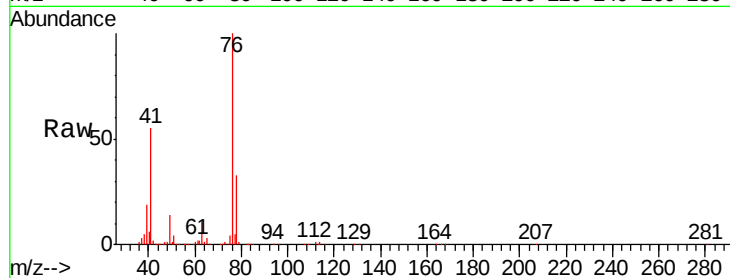
VSTDCCC050

Tgt Ion: 76 Resp: 784599

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 266.422 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN053236.D

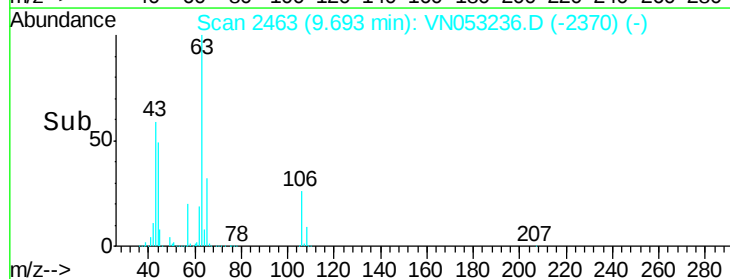
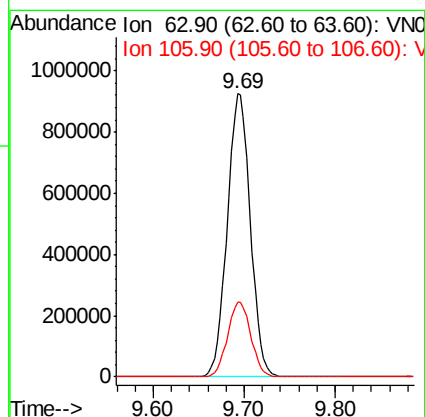
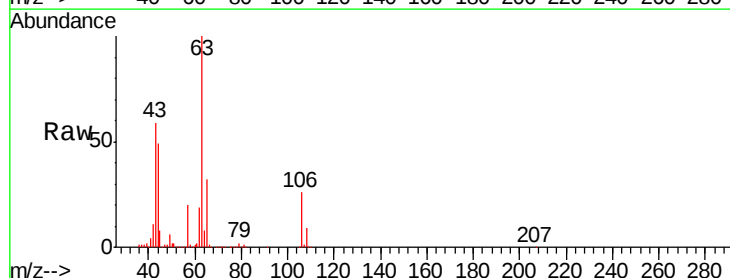
Acq: 2 Jan 2019 9:37

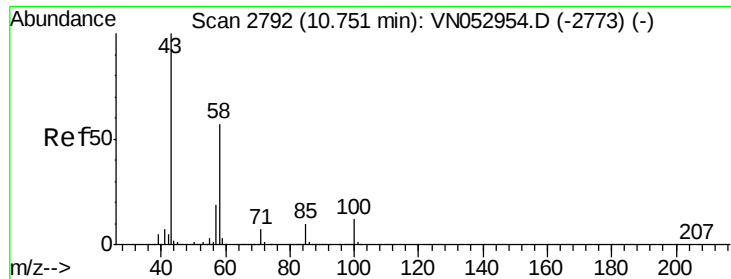
Tgt Ion: 63 Resp: 1629586

Ion Ratio Lower Upper

63 100

106 26.8 21.0 31.6

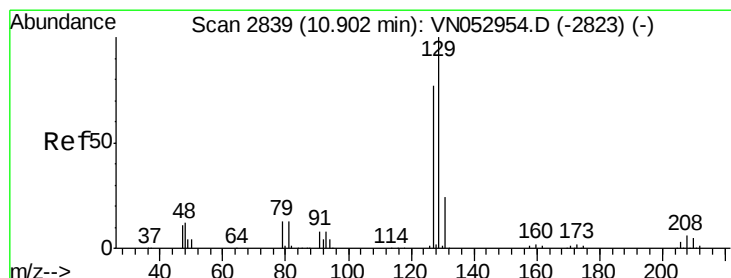
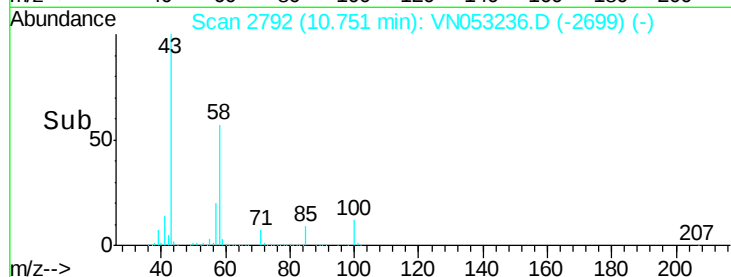
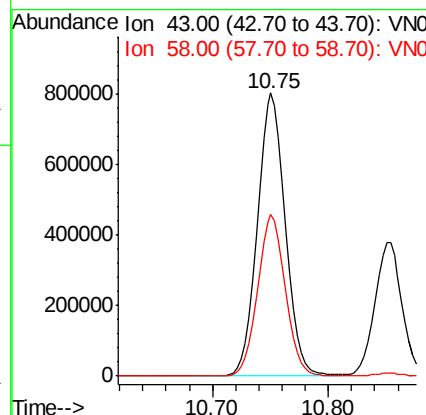
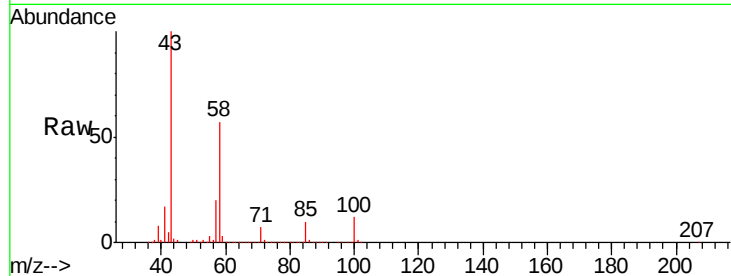




#59
2-Hexanone
Concen: 281.612 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

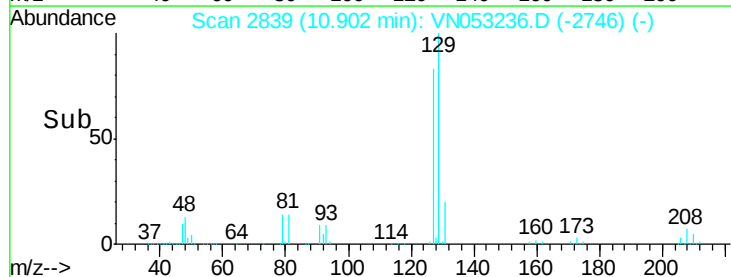
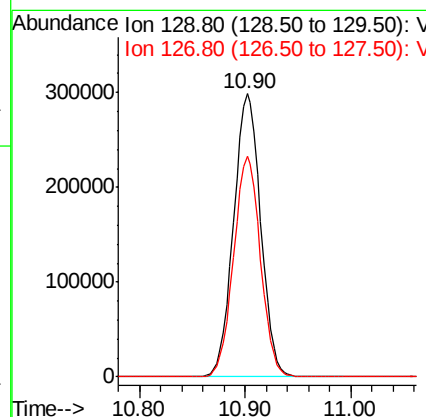
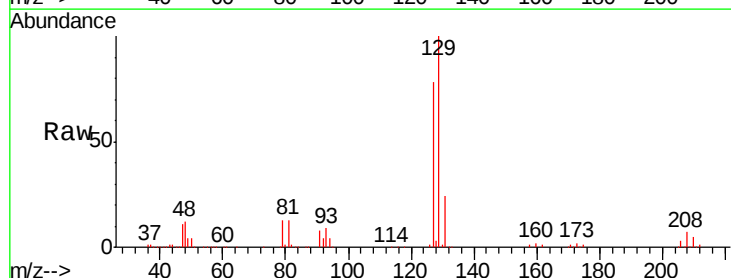
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1348038
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 54.975 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 129 Resp: 529698
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0

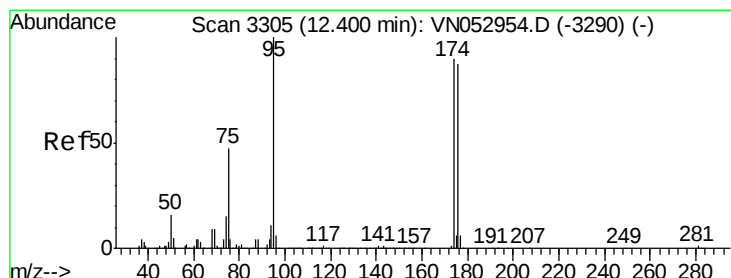
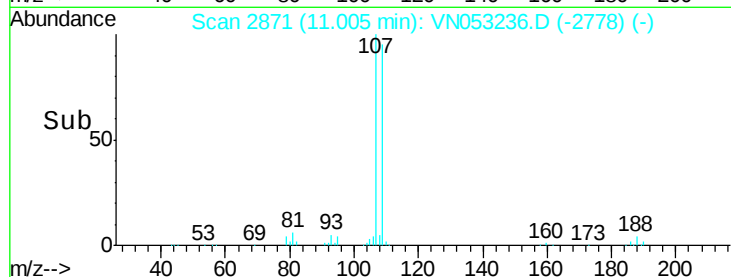
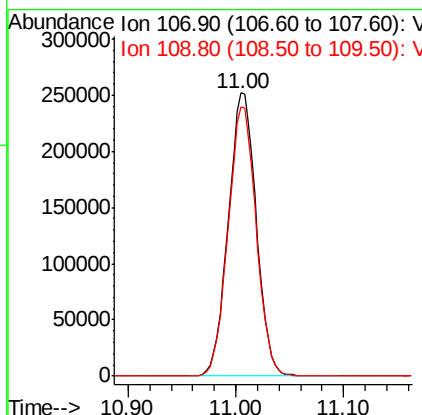
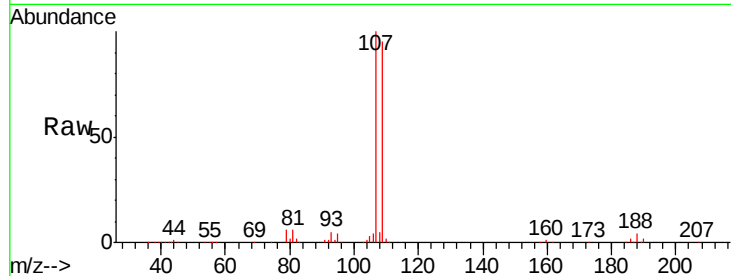




#61
 1,2-Dibromoethane
 Concen: 53.404 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

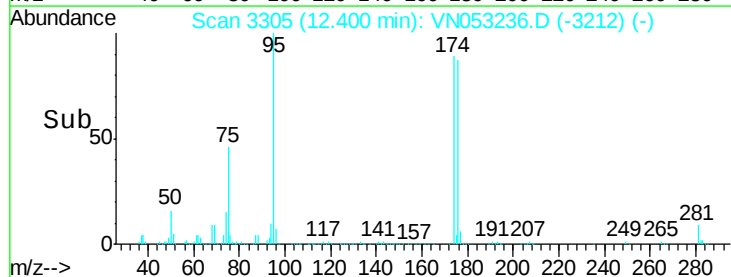
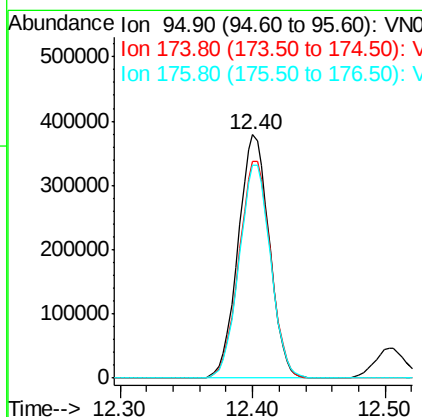
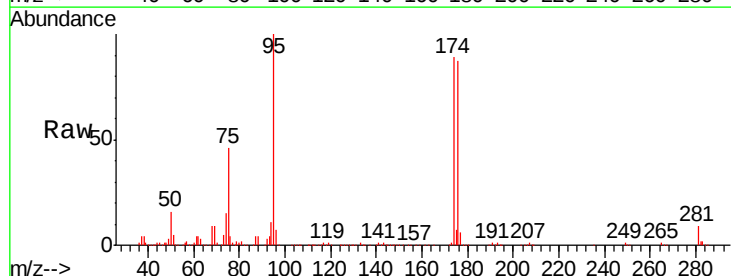
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

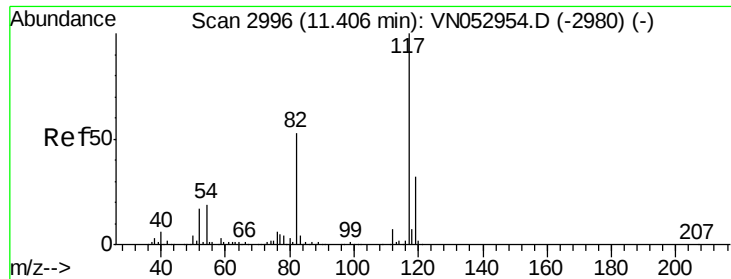
Tgt Ion: 107 Resp: 456541
 Ion Ratio Lower Upper
 107 100
 109 95.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.404 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion: 95 Resp: 618868
 Ion Ratio Lower Upper
 95 100
 174 90.2 0.0 178.8
 176 88.0 0.0 173.8

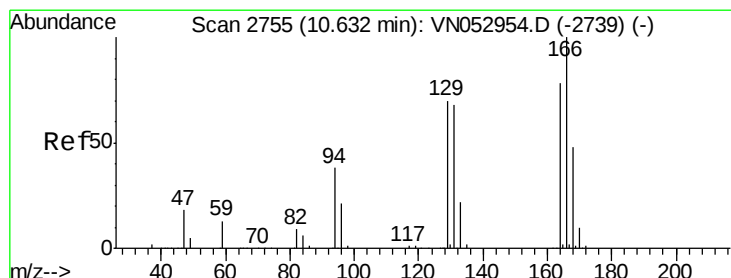
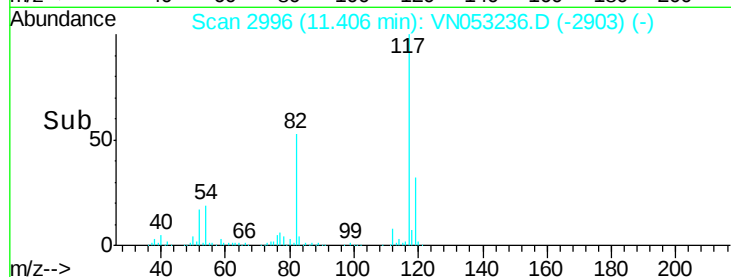
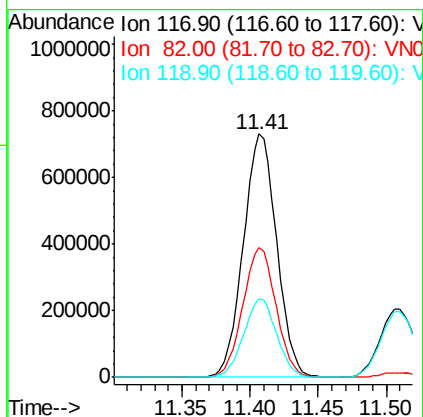
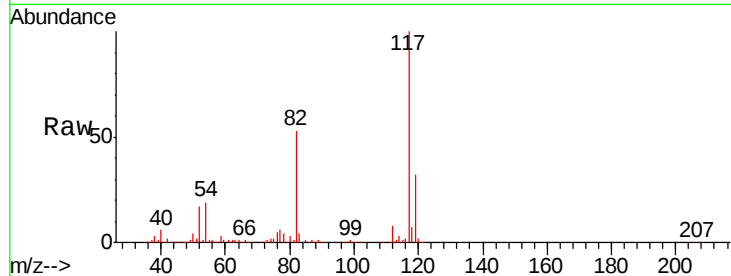




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

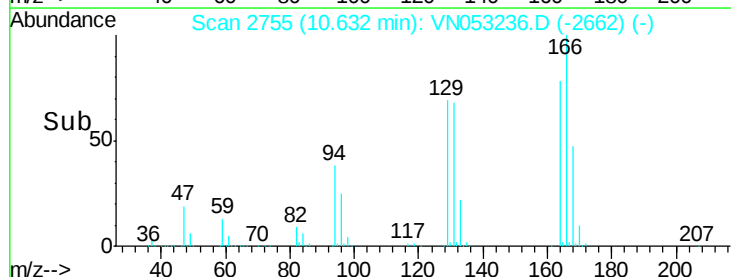
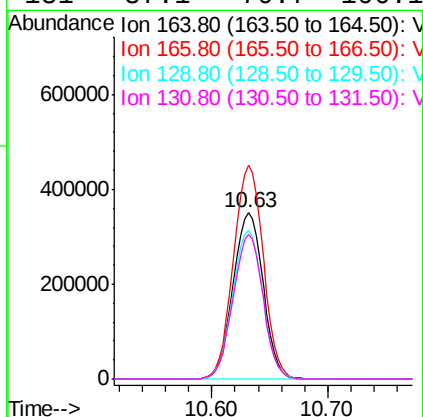
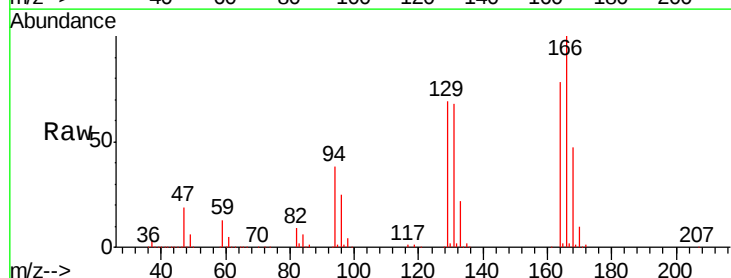
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

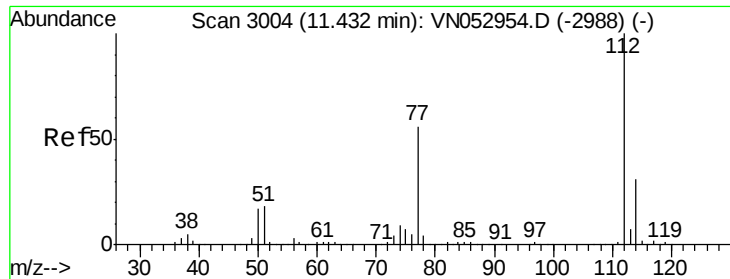
Tgt Ion:117 Resp: 1239785
Ion Ratio Lower Upper
117 100
82 53.5 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 46.883 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:164 Resp: 629621
Ion Ratio Lower Upper
164 100
166 128.6 102.9 154.3
129 89.3 73.7 110.5
131 87.1 70.7 106.1

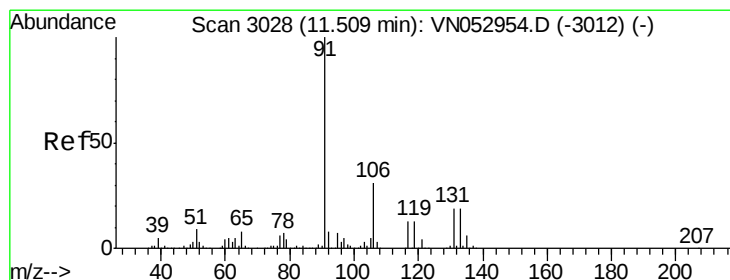
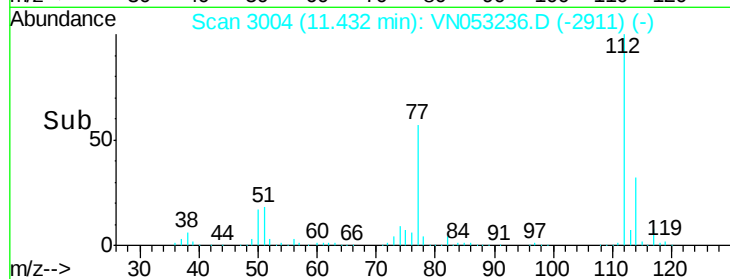
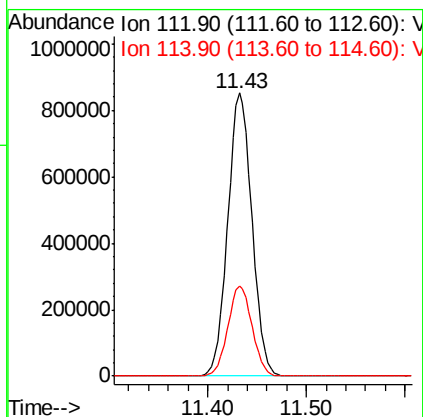
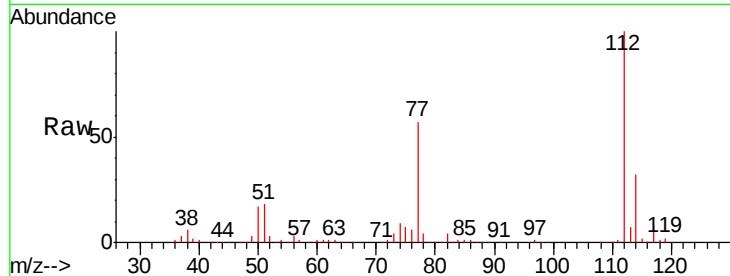




#65
Chlorobenzene
Concen: 53.160 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

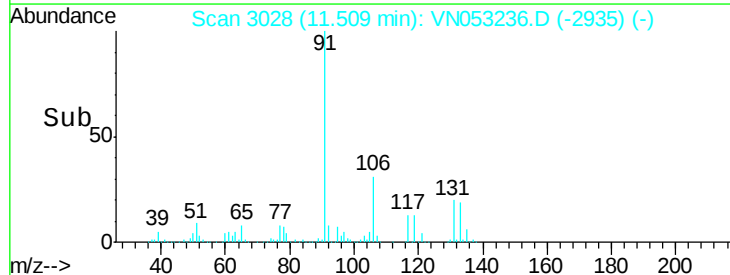
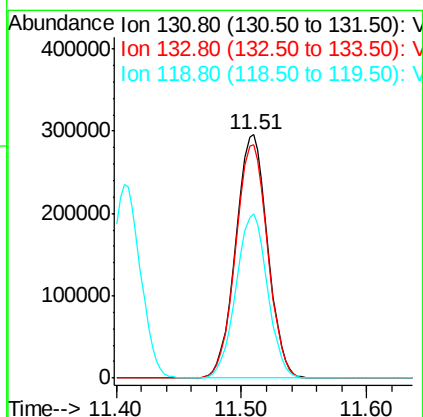
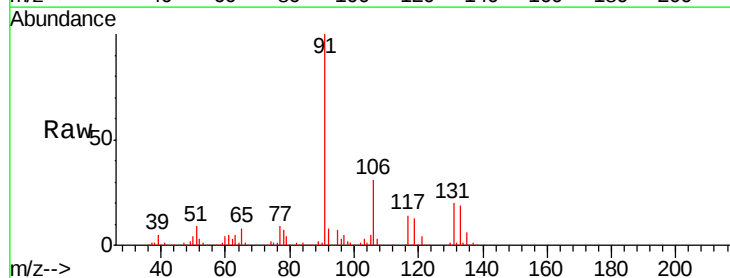
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

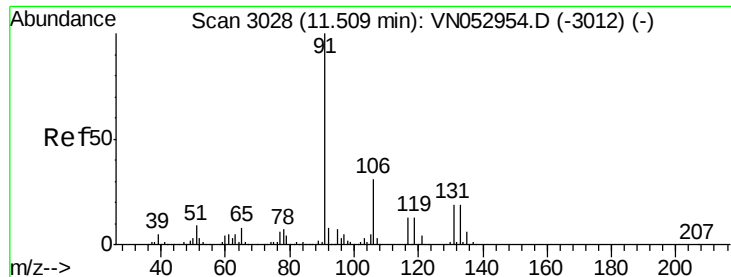
Tgt Ion:112 Resp: 1460975
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 54.722 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:131 Resp: 522980
Ion Ratio Lower Upper
131 100
133 96.2 47.6 142.9
119 66.5 33.3 99.8





#67

Ethyl Benzene

Concen: 53.427 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

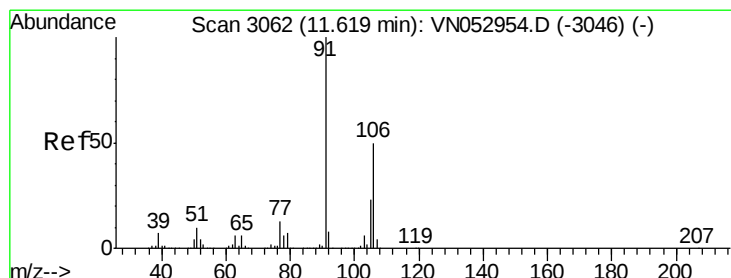
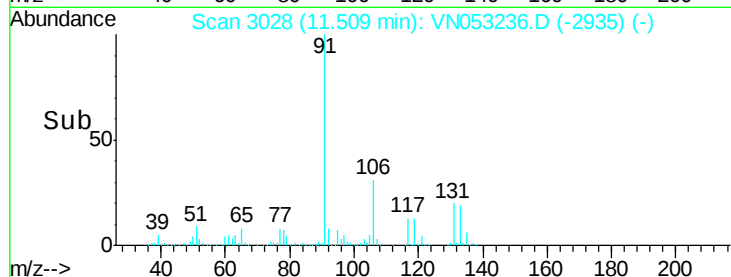
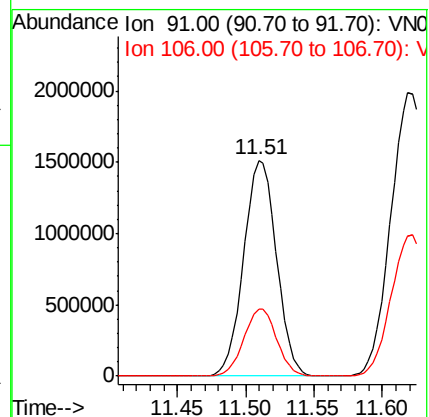
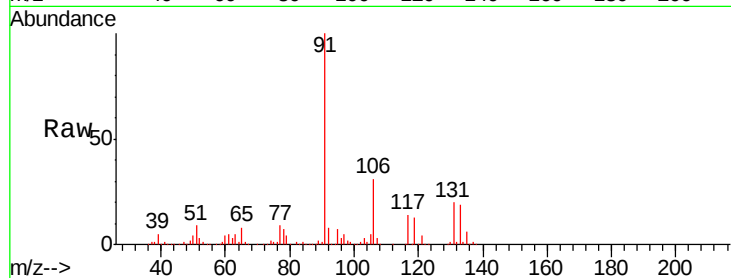
VSTDCCC050

Tgt Ion: 91 Resp: 2525116

Ion Ratio Lower Upper

91 100

106 31.2 24.9 37.3



#68

m/p-Xylenes

Concen: 106.261 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053236.D

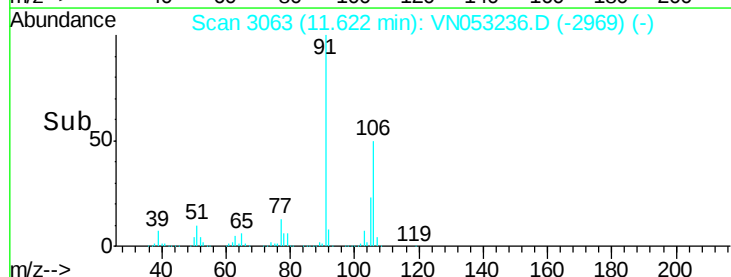
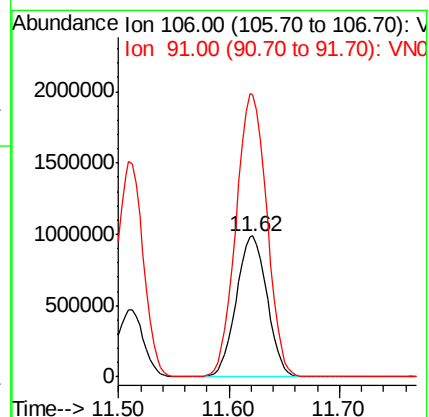
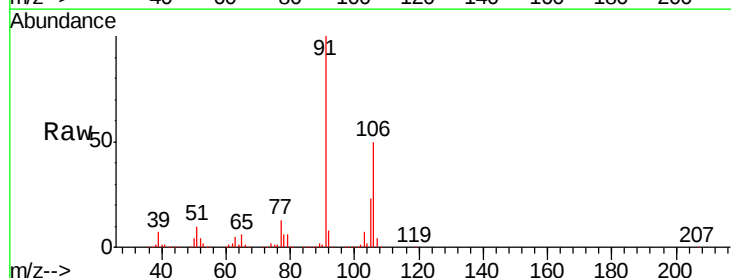
Acq: 2 Jan 2019 9:37

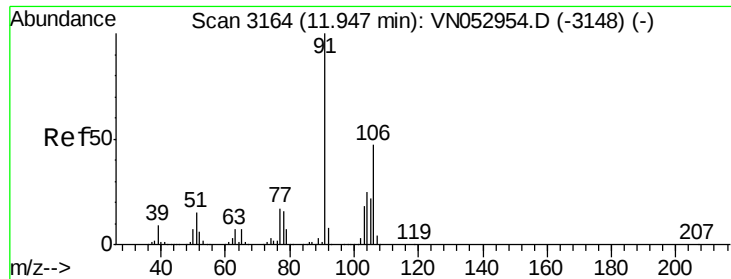
Tgt Ion: 106 Resp: 1909217

Ion Ratio Lower Upper

106 100

91 201.5 162.2 243.4

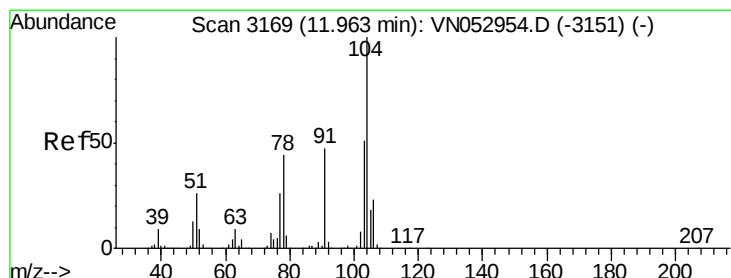
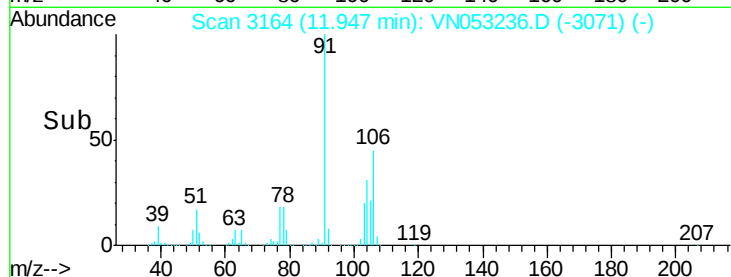
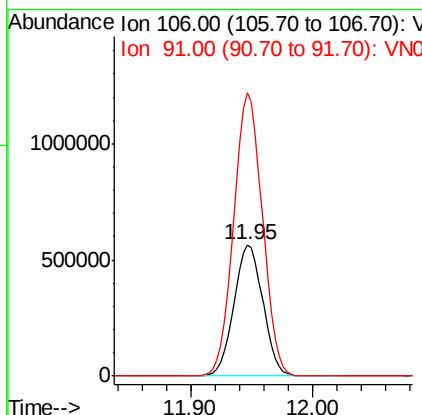
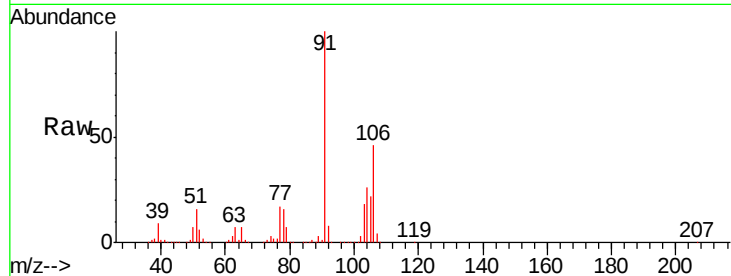




#69
o-Xylene
Concen: 53.959 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

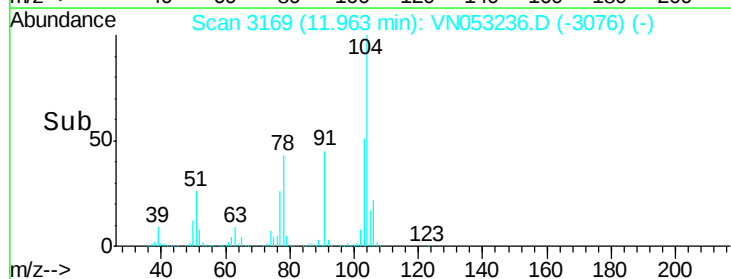
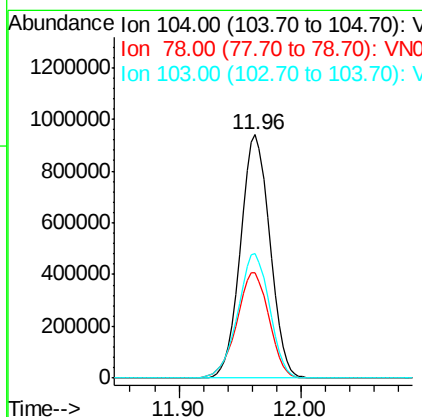
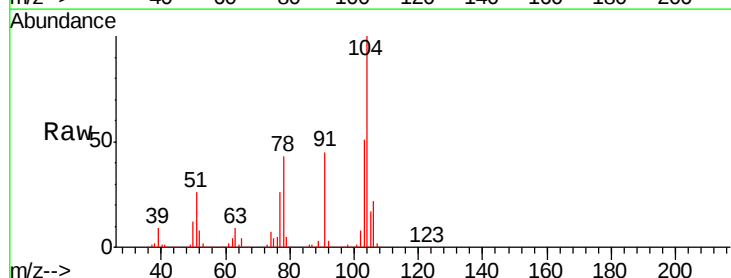
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

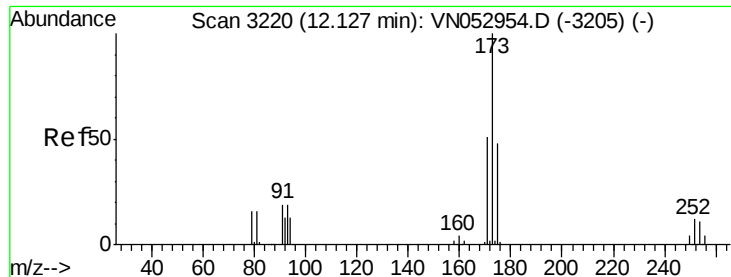
Tgt Ion:106 Resp: 930315
Ion Ratio Lower Upper
106 100
91 214.3 106.6 319.8



#70
Styrene
Concen: 55.384 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:104 Resp: 1557023
Ion Ratio Lower Upper
104 100
78 47.8 38.9 58.3
103 55.6 44.3 66.5





#71

Bromoform

Concen: 53.570 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

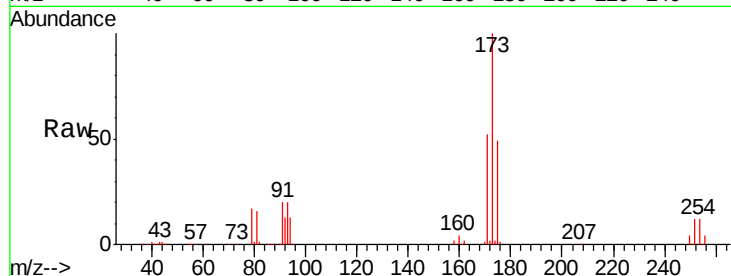
Tgt Ion:173 Resp: 369851

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.9

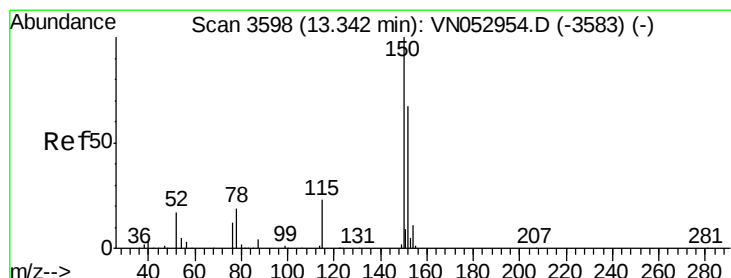
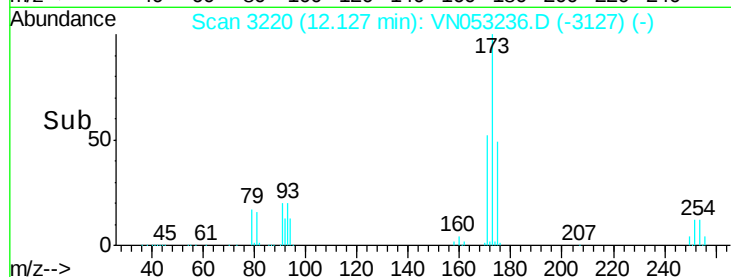
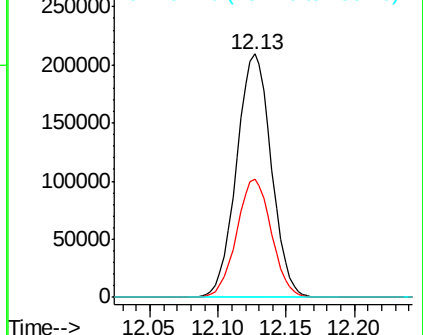
254 0.1 0.1 0.1



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: VN053236.D

Acq: 2 Jan 2019 9:37

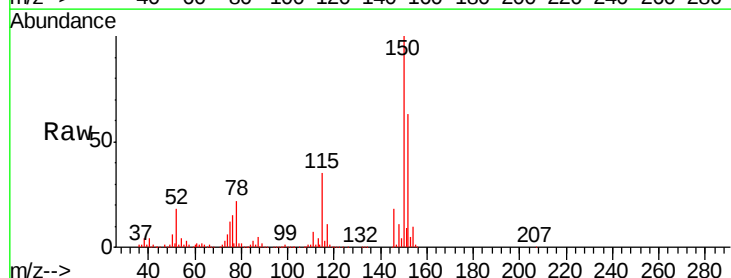
Tgt Ion:152 Resp: 598595

Ion Ratio Lower Upper

152 100

115 55.6 28.3 85.0

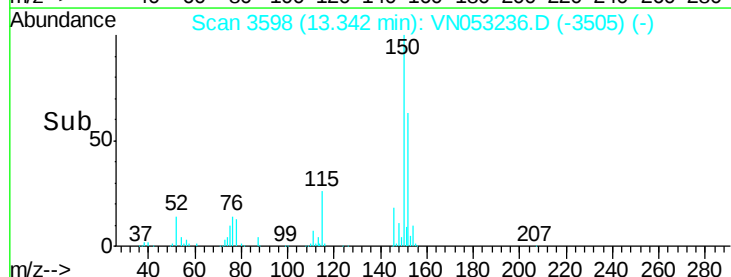
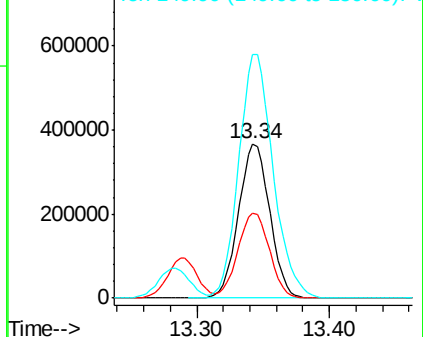
150 175.0 0.0 347.8

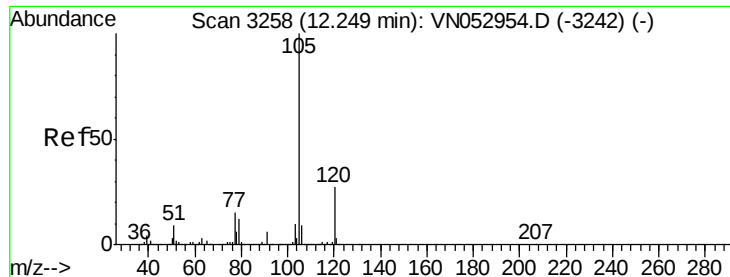


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.444 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

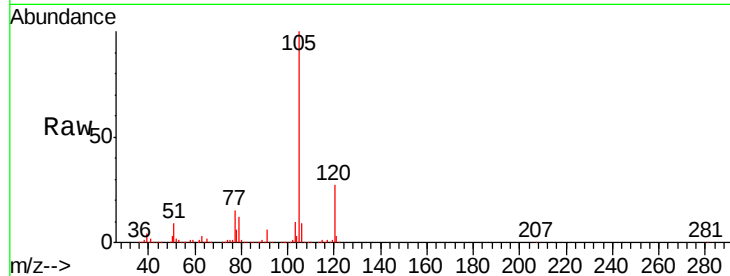
VSTDCCC050

Tgt Ion:105 Resp: 2503043

Ion Ratio Lower Upper

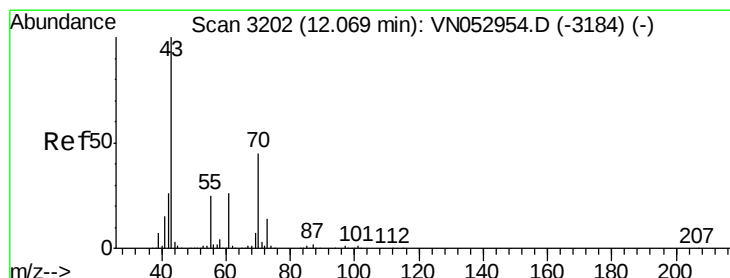
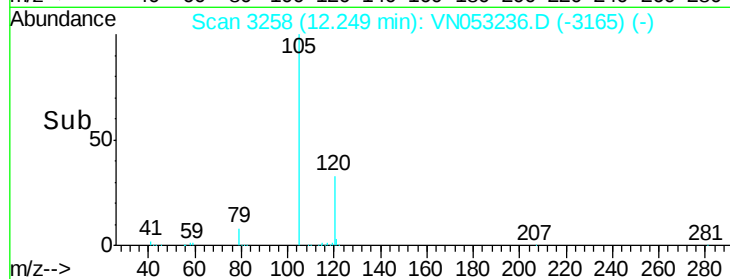
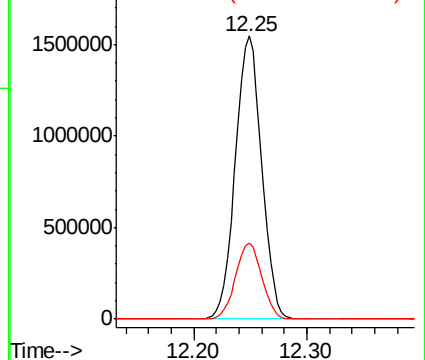
105 100

120 26.9 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: 50.577 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Tgt Ion: 43 Resp: 657656

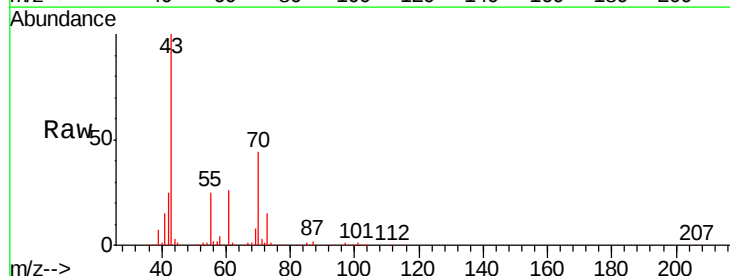
Ion Ratio Lower Upper

43 100

70 44.3 34.2 51.4

55 25.2 20.3 30.5

61 25.5 20.0 30.0

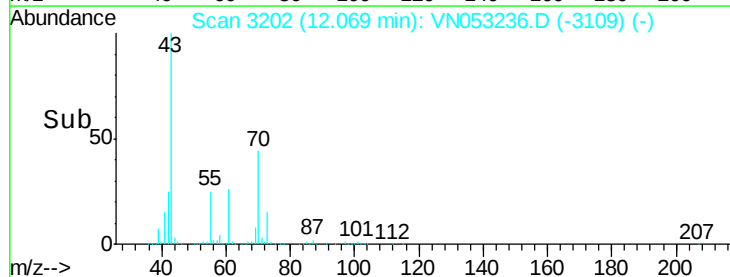
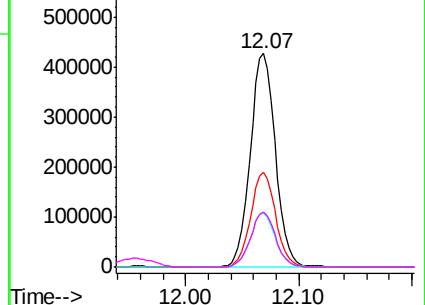


Abundance Ion 43.00 (42.70 to 43.70): V

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: 57.927 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

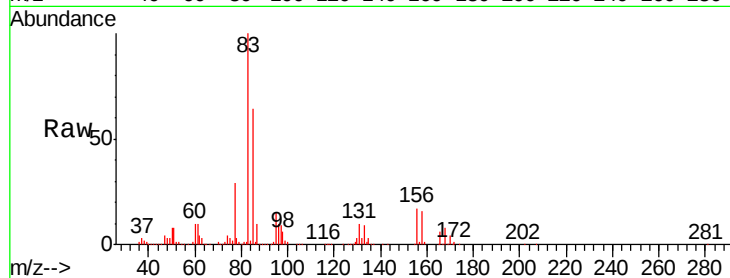
Tgt Ion: 83 Resp: 532245

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

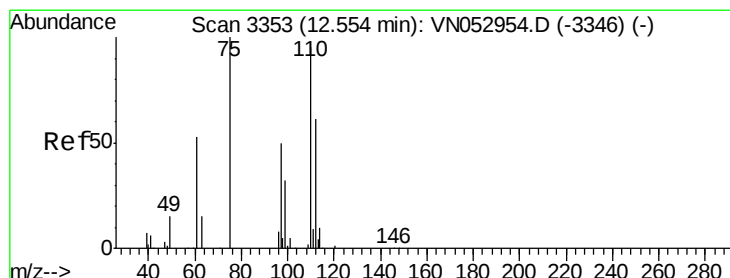
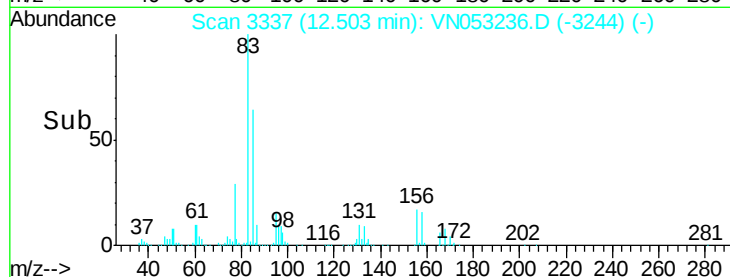
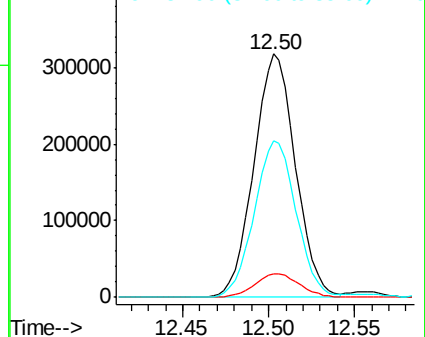
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 69.897 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053236.D

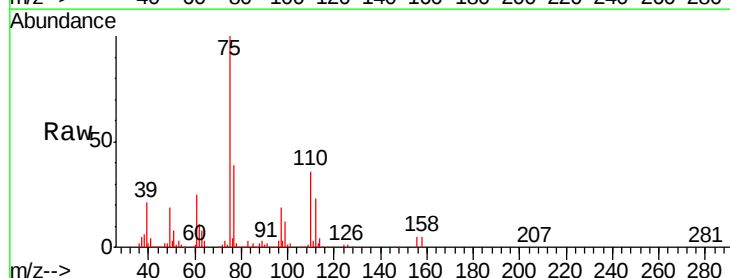
Acq: 2 Jan 2019 9:37

Tgt Ion: 75 Resp: 704335

Ion Ratio Lower Upper

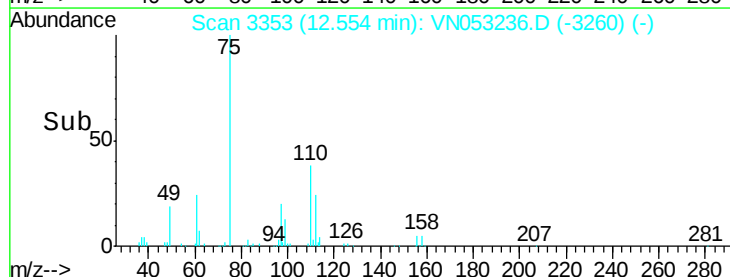
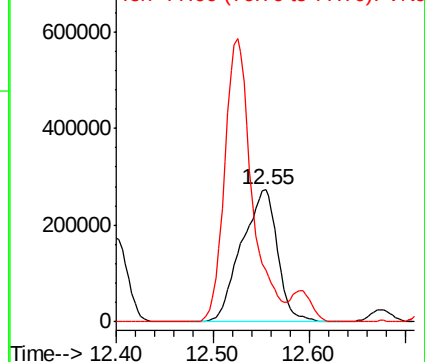
75 100

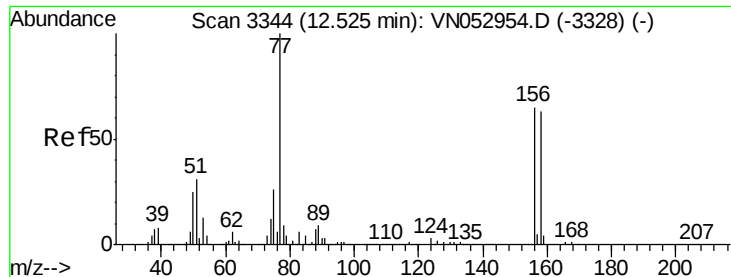
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 53.672 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

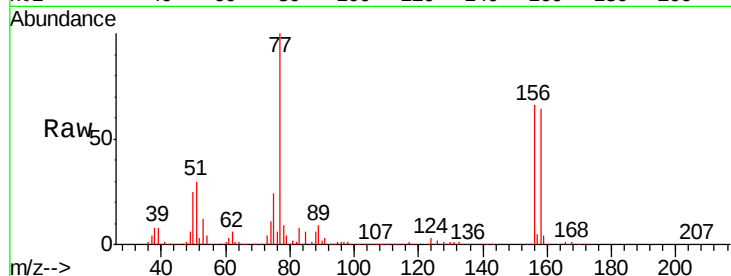
Tgt Ion:156 Resp: 653426

Ion Ratio Lower Upper

156 100

77 175.7 91.3 273.8

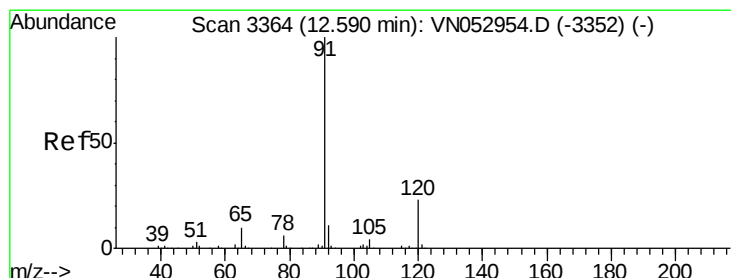
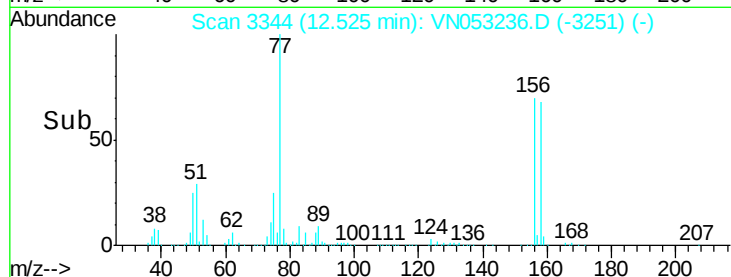
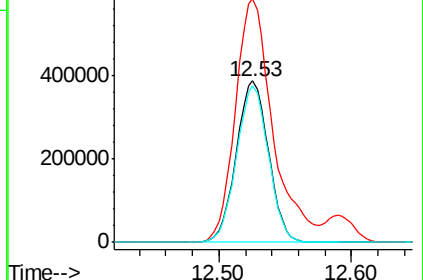
158 96.3 49.0 147.2



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: 53.914 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053236.D

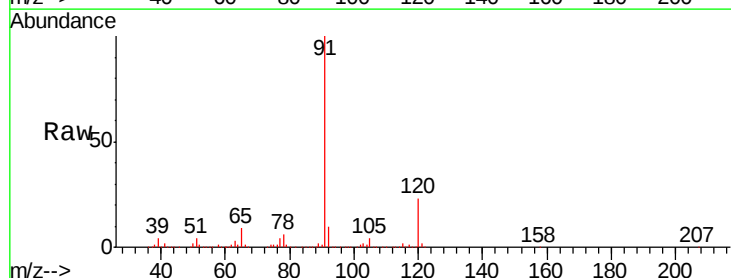
Acq: 2 Jan 2019 9:37

Tgt Ion: 91 Resp: 2875803

Ion Ratio Lower Upper

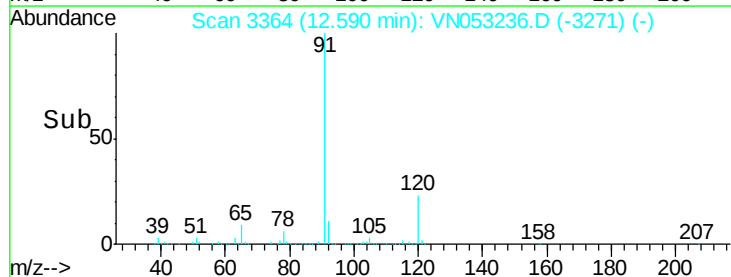
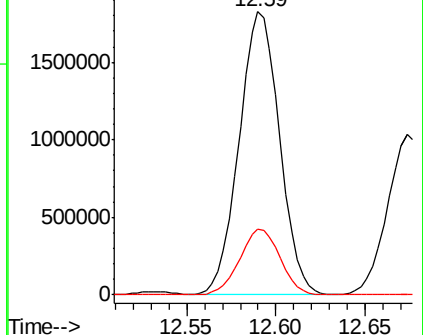
91 100

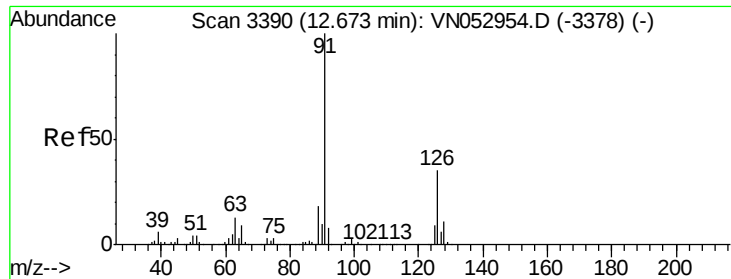
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.674 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

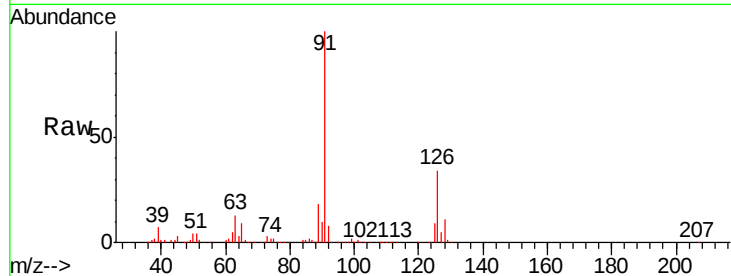
VSTDCCC050

Tgt Ion: 91 Resp: 1675426

Ion Ratio Lower Upper

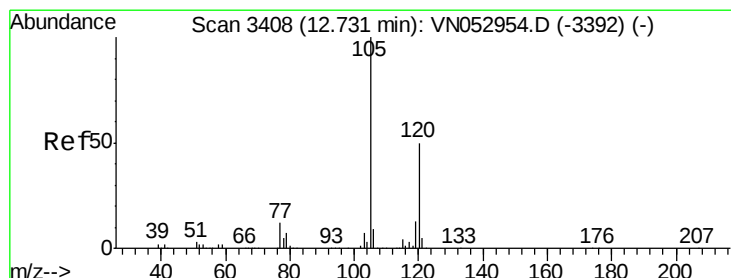
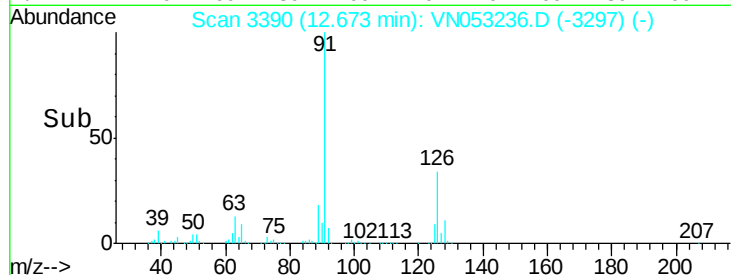
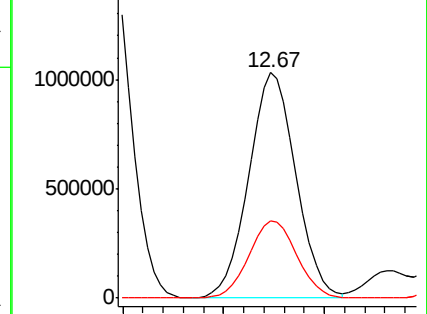
91 100

126 35.1 17.4 52.3



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

Ion 125.90 (125.60 to 126.60): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.672 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053236.D

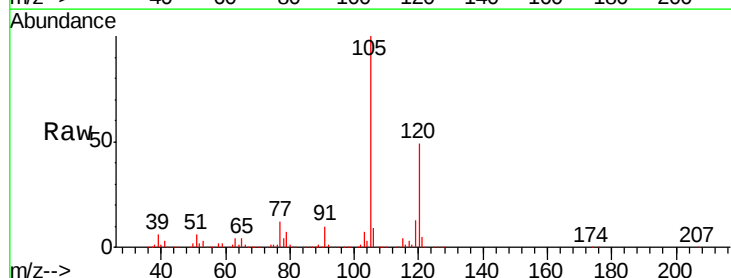
Acq: 2 Jan 2019 9:37

Tgt Ion: 105 Resp: 2010719

Ion Ratio Lower Upper

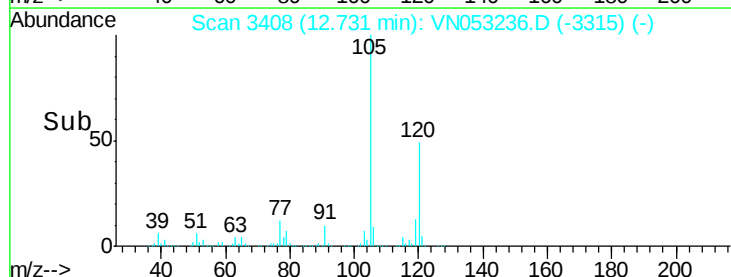
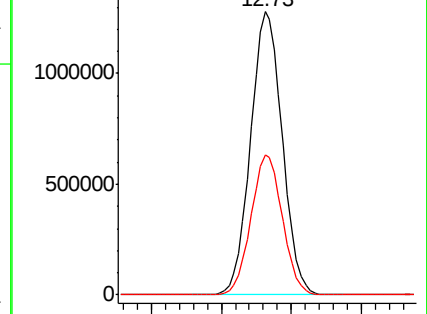
105 100

120 49.3 24.4 73.2



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

Ion 120.00 (119.70 to 120.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.639 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

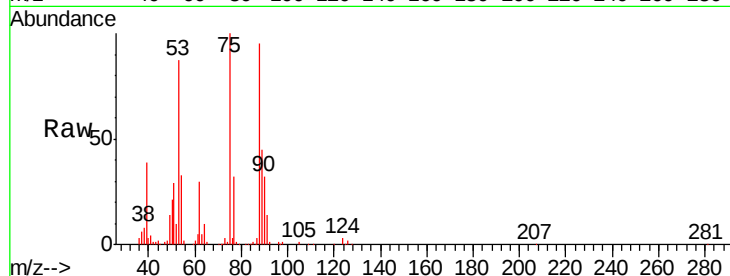
Tgt Ion: 75 Resp: 164569

Ion Ratio Lower Upper

75 100

53 87.2 74.7 112.1

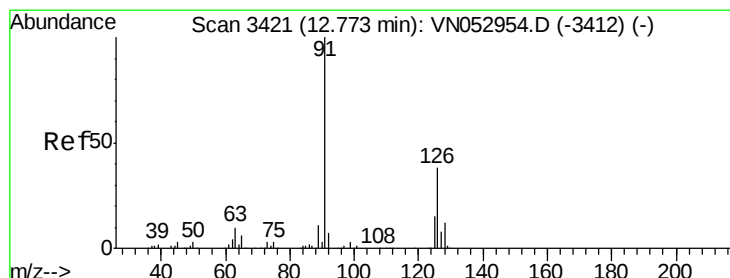
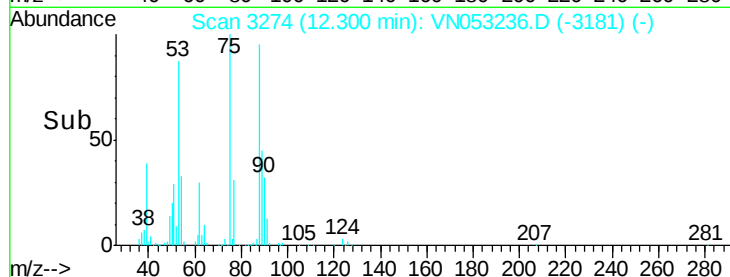
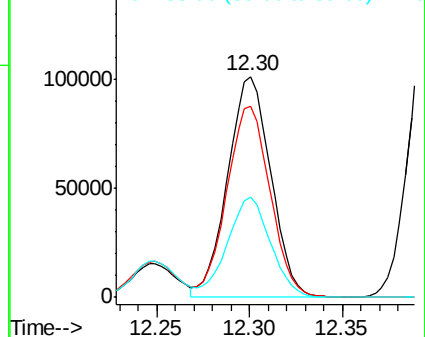
89 45.2 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.003 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053236.D

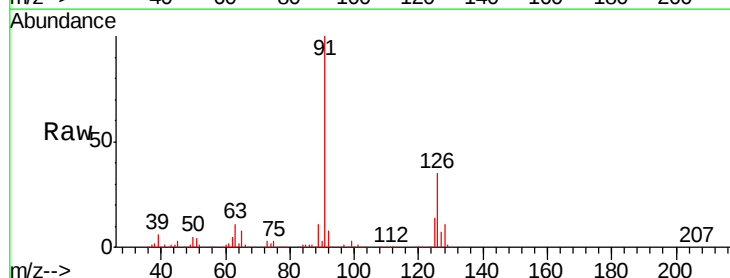
Acq: 2 Jan 2019 9:37

Tgt Ion: 91 Resp: 1715470

Ion Ratio Lower Upper

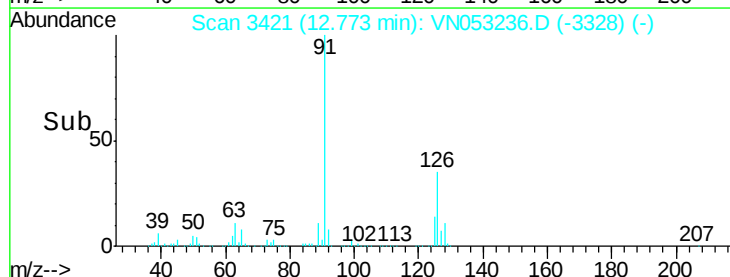
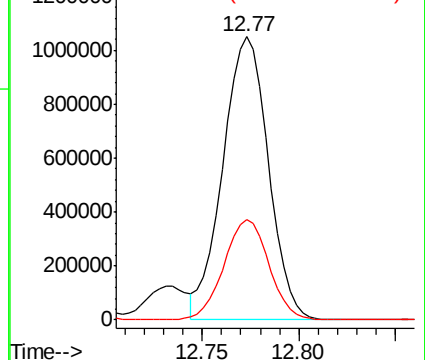
91 100

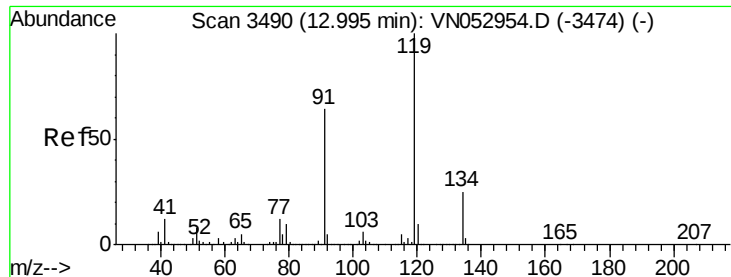
126 35.1 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

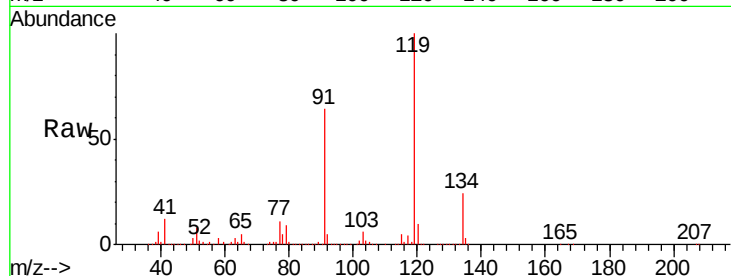




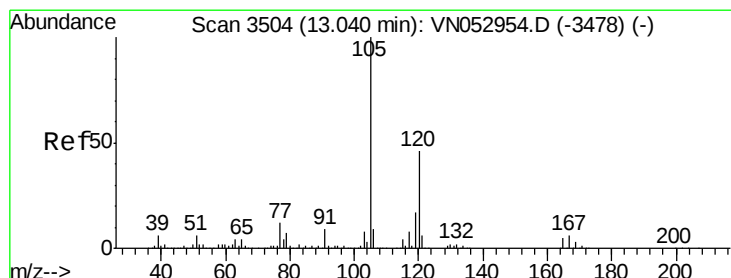
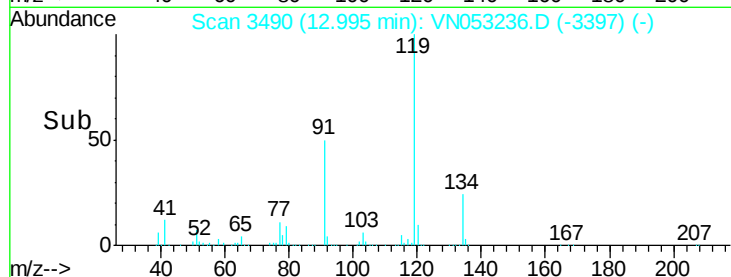
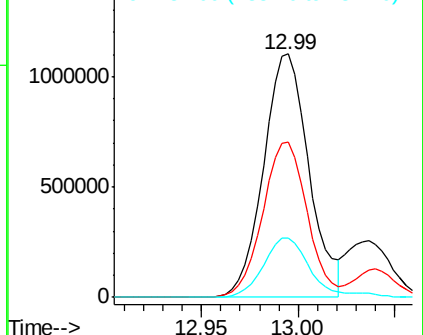
#83
 tert-Butylbenzene
 Concen: 53.309 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion:119 Resp: 1799799
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.9 95.5
 134 25.4 12.8 38.4

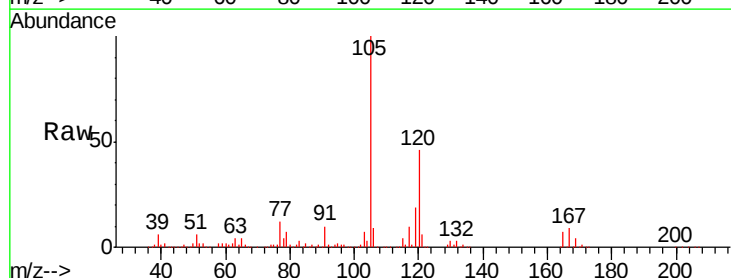


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

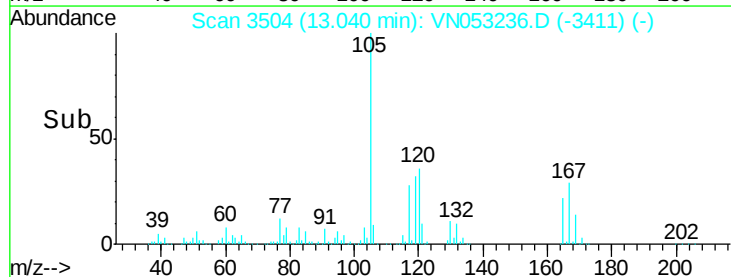
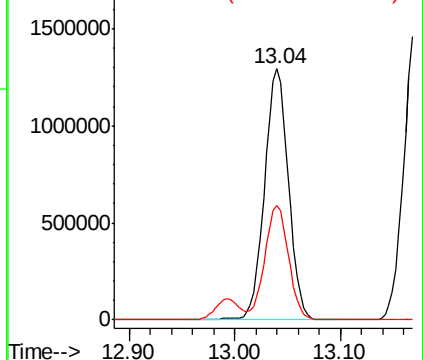


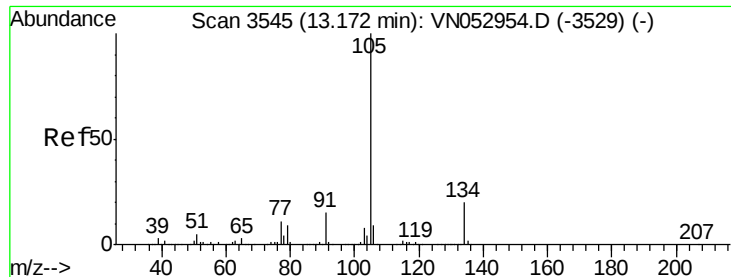
#84
 1,2,4-Trimethylbenzene
 Concen: 53.114 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion:105 Resp: 2038289
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8



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

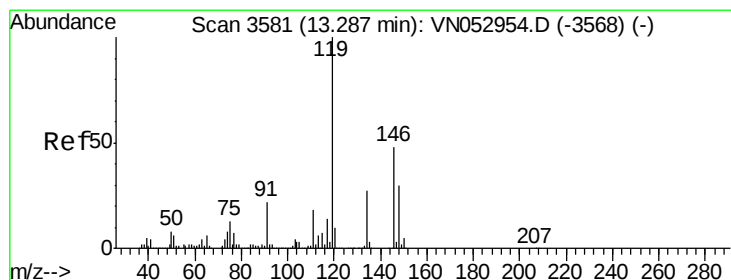
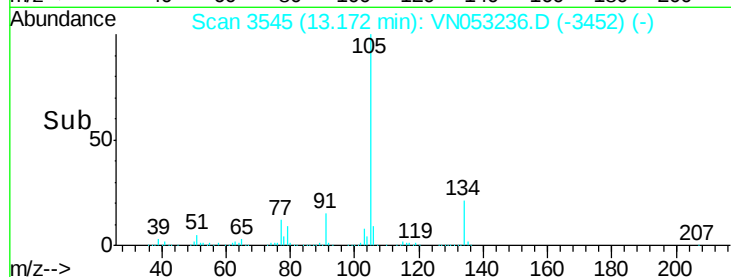
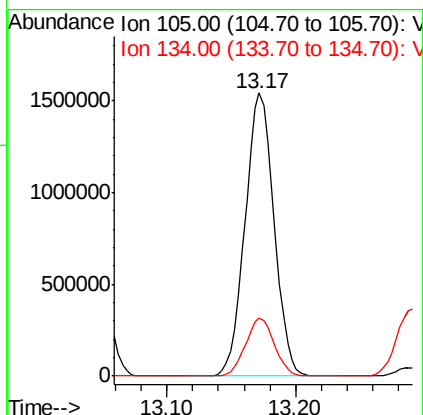
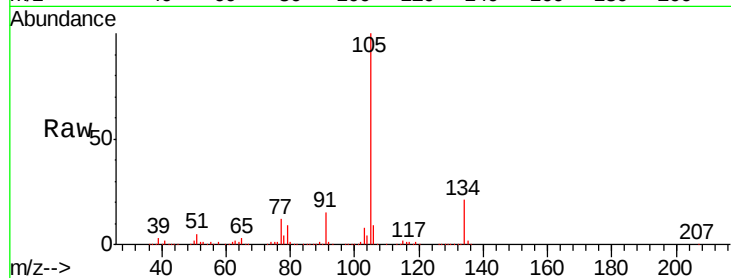




#85
 sec-Butylbenzene
 Concen: 52.748 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

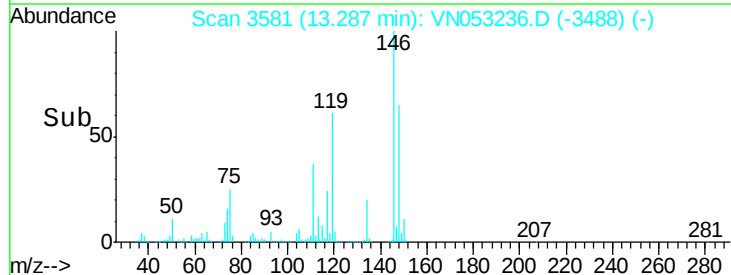
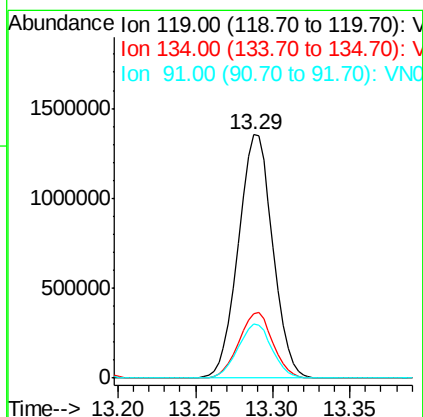
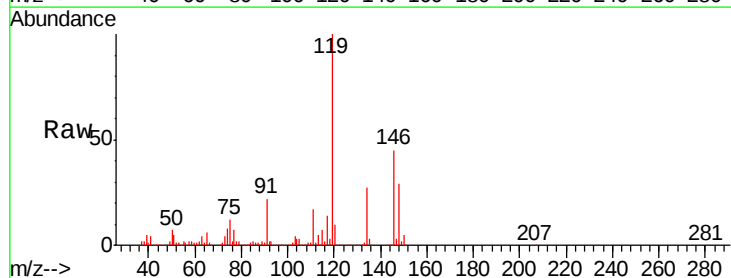
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

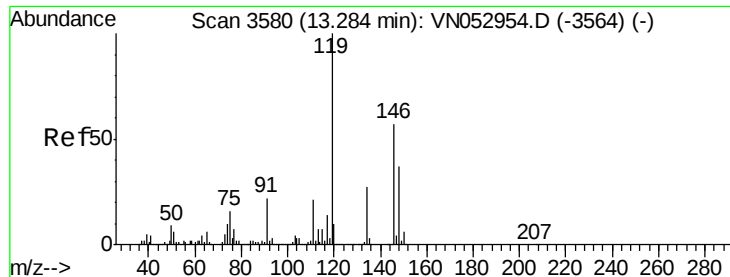
Tgt Ion:105 Resp: 2408774
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 52.892 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion:119 Resp: 2087084
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 52.437 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

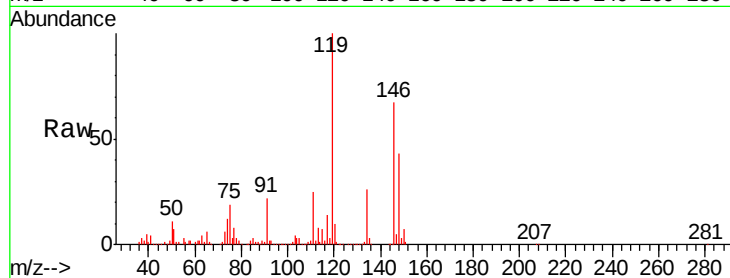
Tgt Ion:146 Resp: 1129871

Ion Ratio Lower Upper

146 100

111 37.5 19.1 57.1

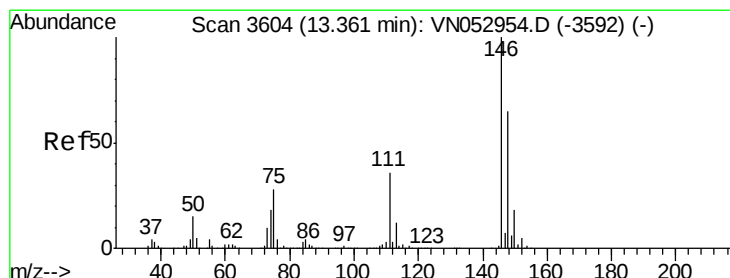
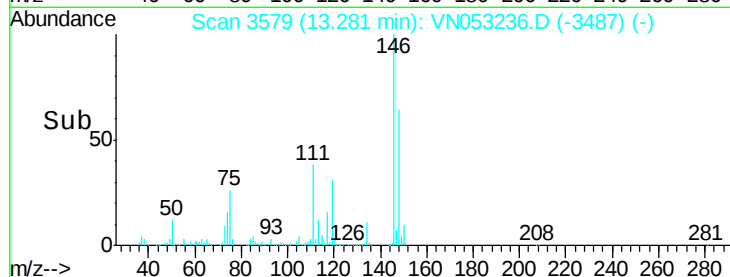
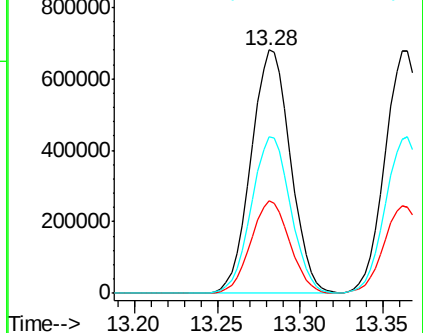
148 64.1 32.0 96.0



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: 51.059 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

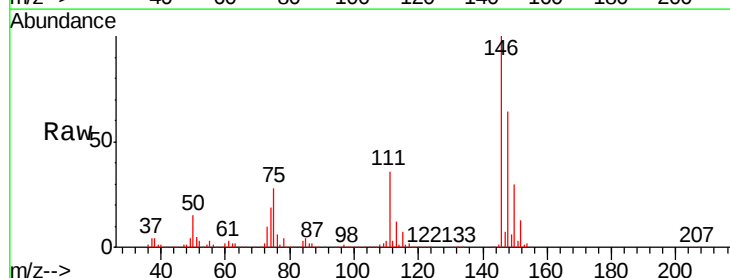
Tgt Ion:146 Resp: 1114138

Ion Ratio Lower Upper

146 100

111 36.7 18.6 55.8

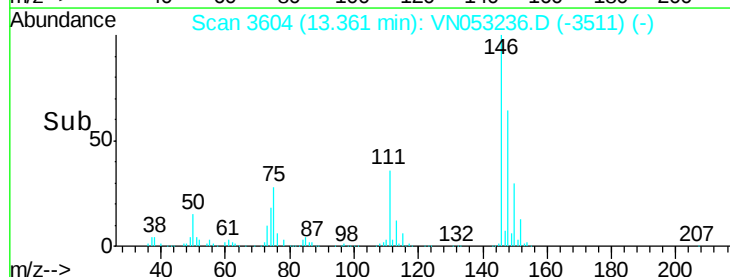
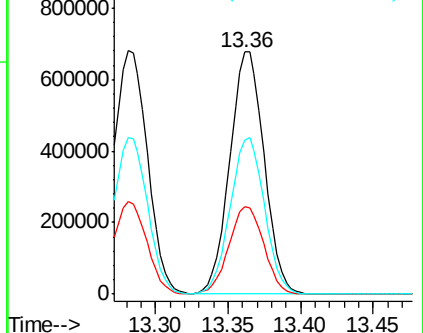
148 64.4 32.1 96.5

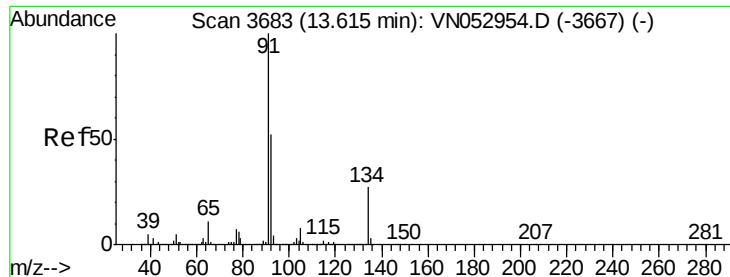


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

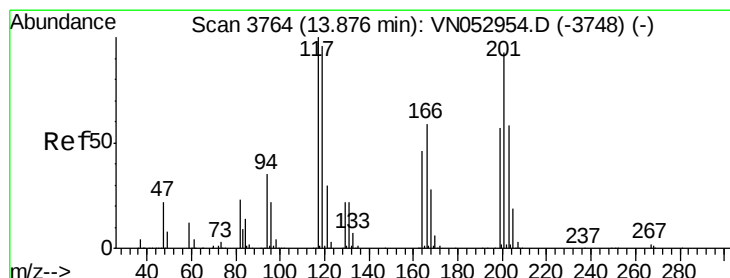
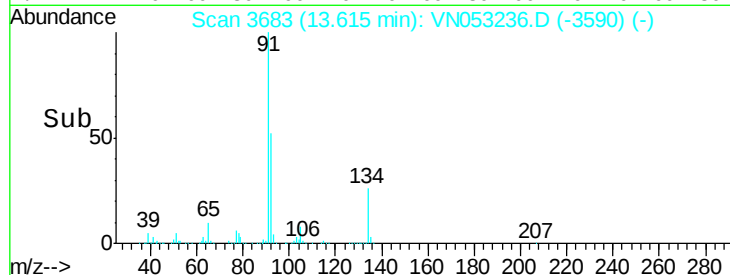
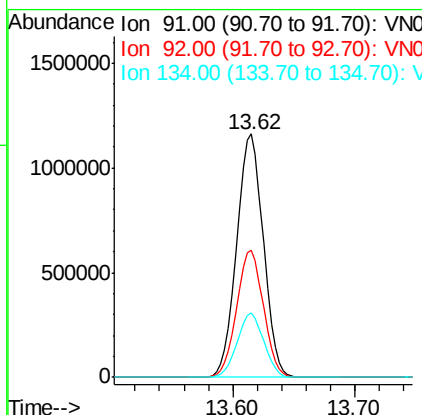
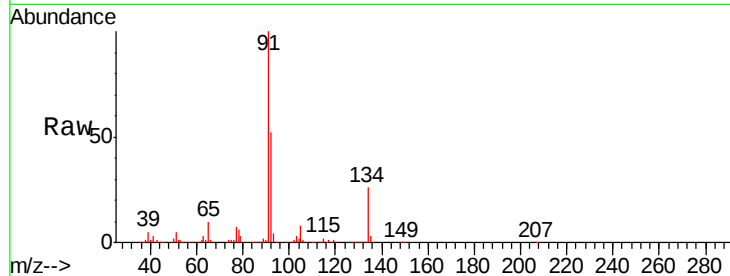




#89
n-Butylbenzene
Concen: 51.631 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

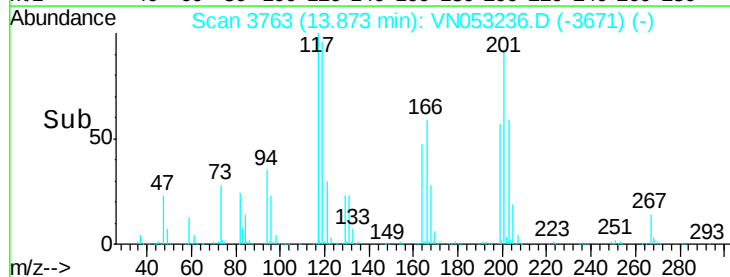
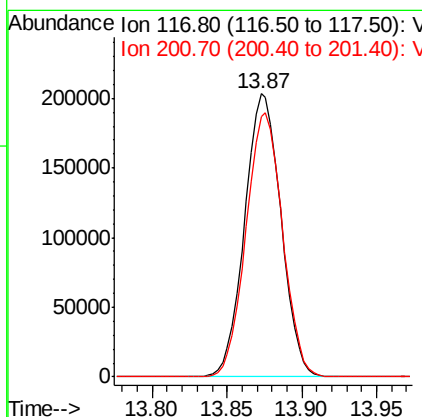
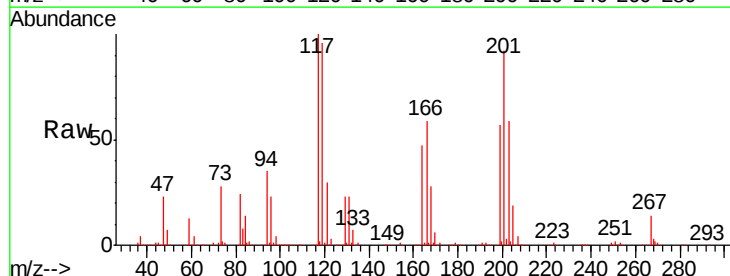
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1752732
Ion Ratio Lower Upper
91 100
92 52.4 26.3 78.9
134 26.4 13.3 39.8



#90
Hexachloroethane
Concen: 56.699 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion: 117 Resp: 343335
Ion Ratio Lower Upper
117 100
201 93.7 45.7 137.1





#91

1,2-Dichlorobenzene

Concen: 51.617 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

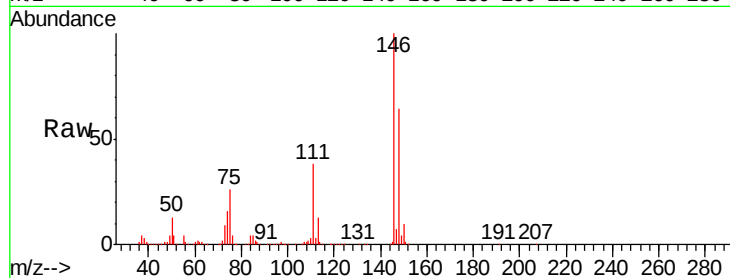
Tgt Ion:146 Resp: 1046754

Ion Ratio Lower Upper

146 100

111 38.8 19.7 59.0

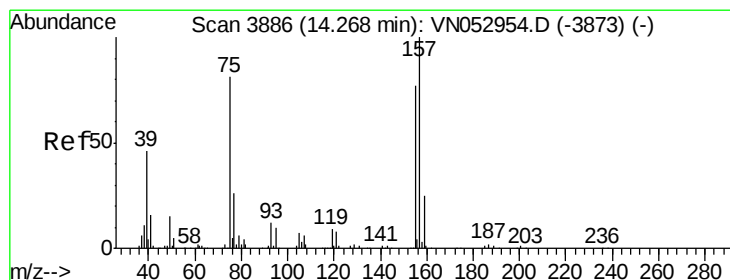
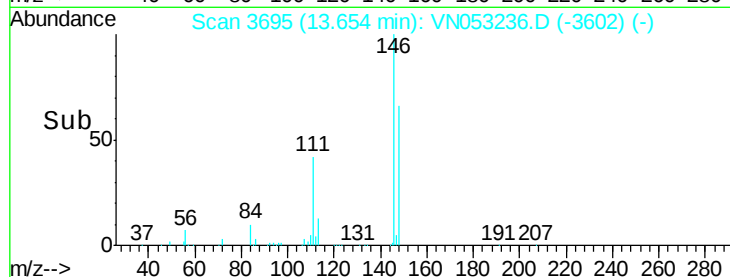
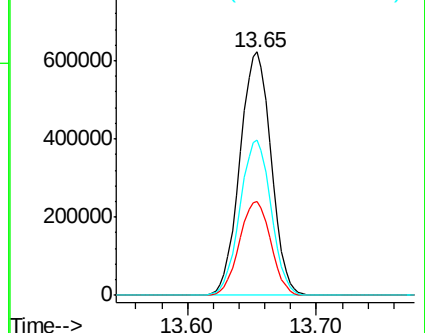
148 63.7 32.0 96.0



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.370 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053236.D

Acq: 2 Jan 2019 9:37

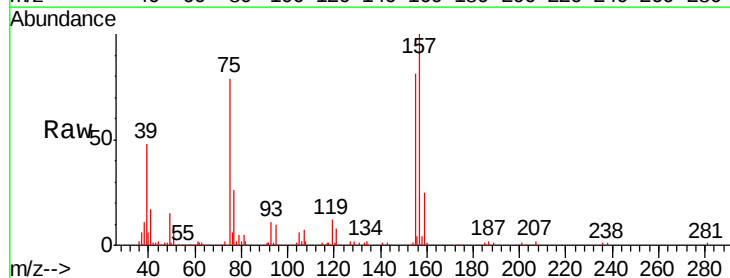
Tgt Ion: 75 Resp: 73669

Ion Ratio Lower Upper

75 100

155 98.7 48.2 144.6

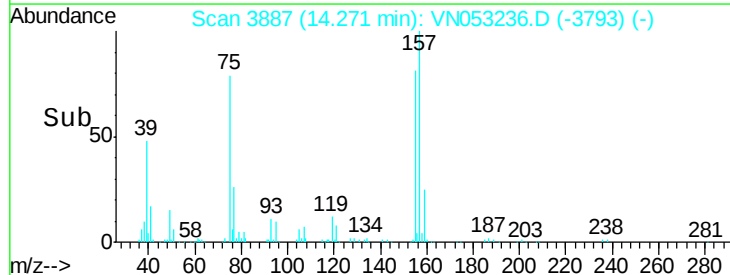
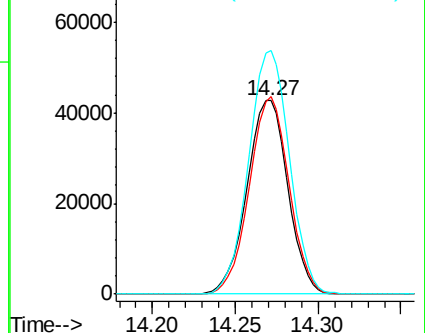
157 125.3 61.2 183.5

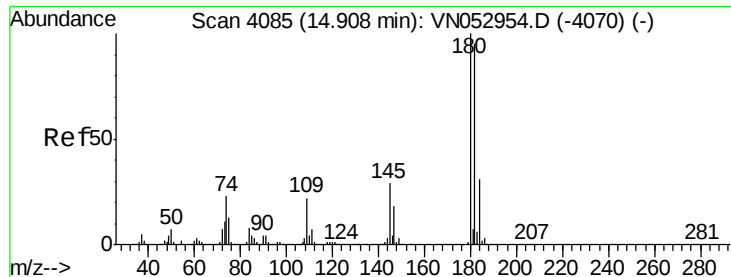


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

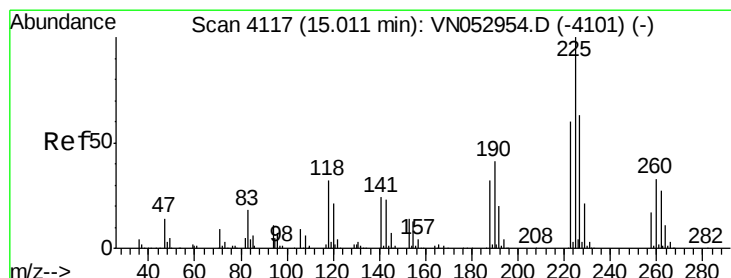
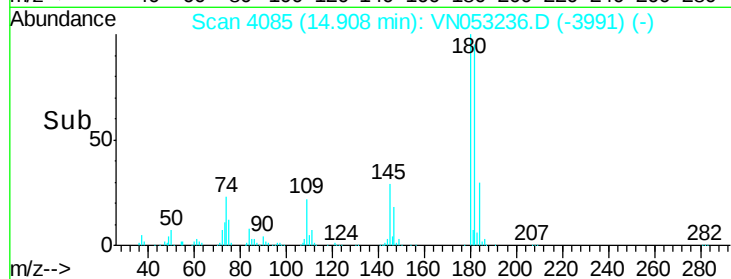
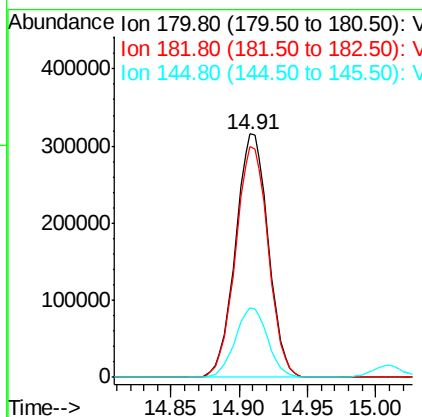
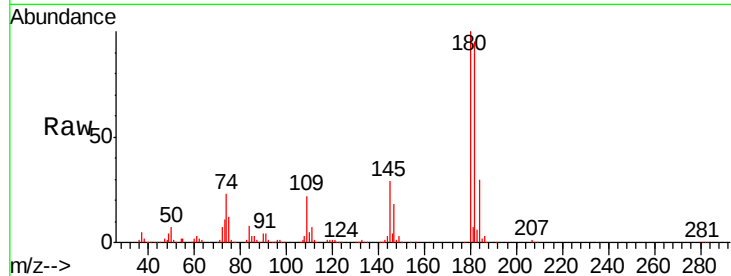




#93
 1,2,4-Trichlorobenzene
 Concen: 48.849 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

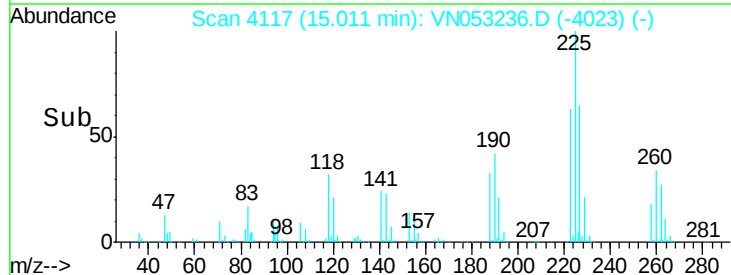
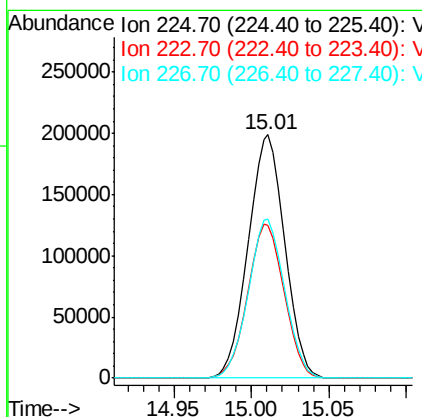
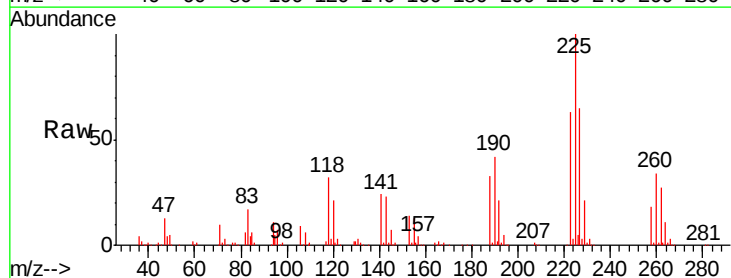
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

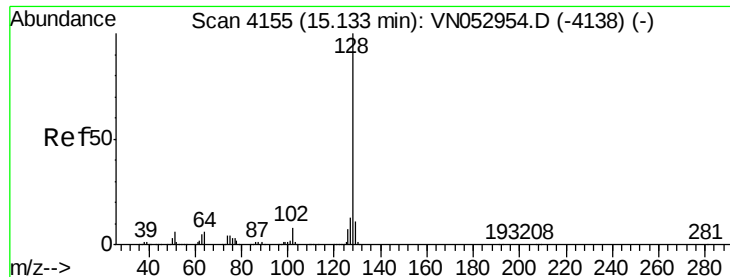
Tgt Ion:180 Resp: 524680
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.8 143.3
 145 28.4 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 59.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053236.D
 Acq: 2 Jan 2019 9:37

Tgt Ion:225 Resp: 327919
 Ion Ratio Lower Upper
 225 100
 223 62.9 31.5 94.5
 227 64.8 31.9 95.7

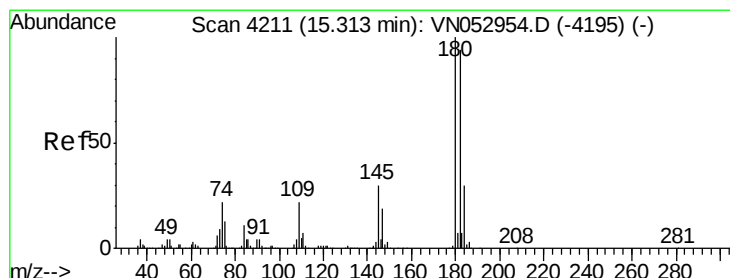
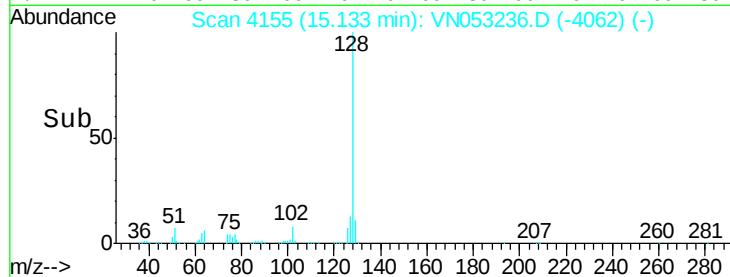
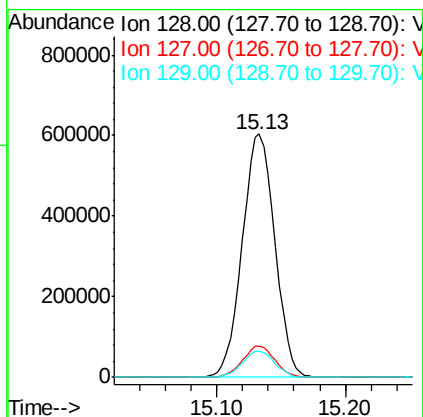
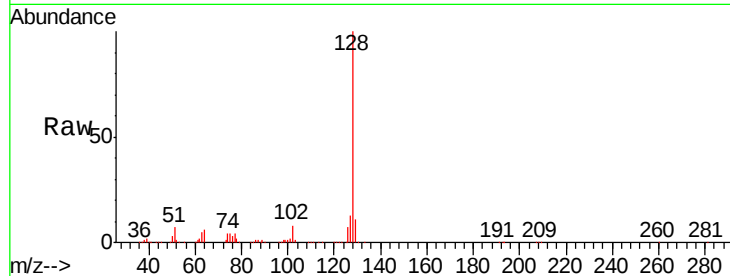




#95
Naphthalene
Concen: 45.239 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1062091
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 10.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 47.991 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053236.D
Acq: 2 Jan 2019 9:37

Tgt Ion:180 Resp: 464118
Ion Ratio Lower Upper
180 100
182 94.9 47.9 143.7
145 29.7 15.0 45.0

