

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053468.D
 Acq On : 18 Jan 2019 13:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 19 00:20:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	856717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1249252	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1146703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	577356	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	417220	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
35) Dibromofluoromethane	7.59	113	367936	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	
50) Toluene-d8	10.09	98	1543832	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
62) 4-Bromofluorobenzene	12.40	95	550935	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	338680	49.169	ug/l	100
3) Chloromethane	2.06	50	451227	45.818	ug/l	100
4) Vinyl Chloride	2.19	62	449128	47.311	ug/l	98
5) Bromomethane	2.57	94	304197	46.701	ug/l	99
6) Chloroethane	2.71	64	271791	47.354	ug/l	98
7) Trichlorofluoromethane	3.02	101	620210	49.948	ug/l	100
8) Diethyl Ether	3.41	74	236535	50.719	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	406628	51.708	ug/l	100
10) Methyl Iodide	3.96	142	579675	48.237	ug/l	100
11) Tert butyl alcohol	4.77	59	108312	261.404	ug/l	99
12) 1,1-Dichloroethene	3.74	96	372155	48.791	ug/l	97
13) Acrolein	3.61	56	178024	222.896	ug/l	99
14) Allyl chloride	4.33	41	585269	47.239	ug/l	95
15) Acrylonitrile	4.99	53	716028	262.583	ug/l	99
16) Acetone	3.81	43	548554	276.113	ug/l	99
17) Carbon Disulfide	4.06	76	1088406	47.187	ug/l	100
18) Methyl Acetate	4.33	43	340410	50.857	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1043207	51.474	ug/l	100
20) Methylene Chloride	4.55	84	437017	48.181	ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	408923	50.146	ug/l	97
22) Diisopropyl ether	5.95	45	1319797	51.028	ug/l	100
23) Vinyl Acetate	5.90	43	4120408	259.160	ug/l	99
24) 1,1-Dichloroethane	5.85	63	762164	49.847	ug/l	100
25) 2-Butanone	6.83	43	822497	268.655	ug/l	100
26) 2,2-Dichloropropane	6.83	77	590256	51.130	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	470134	50.417	ug/l	99
28) Bromochloromethane	7.20	49	340180	50.503	ug/l	99
29) Tetrahydrofuran	7.21	42	522476	262.147	ug/l	99
30) Chloroform	7.37	83	756709	50.796	ug/l	100
31) Cyclohexane	7.66	56	717825	48.233	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	640434	50.679	ug/l	99
36) 1,1-Dichloropropene	7.80	75	597039	52.477	ug/l	99
37) Ethyl Acetate	6.93	43	354437	54.149	ug/l	100
38) Carbon Tetrachloride	7.78	117	559792	51.972	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	746292	53.072	ug/l	99
40) Benzene	8.04	78	1782237	51.550	ug/l	100
41) Methacrylonitrile	7.17	41	184720	47.526	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	524063	52.031	ug/l	100
43) Isopropyl Acetate	8.16	43	636972	54.120	ug/l	99
44) Trichloroethene	8.84	130	493785	51.502	ug/l	100
45) 1,2-Dichloropropane	9.12	63	466306	50.922	ug/l	99
46) Dibromomethane	9.21	93	272090	51.716	ug/l	99
47) Bromodichloromethane	9.40	83	578139	52.253	ug/l	100
48) Methyl methacrylate	9.20	41	320509	52.741	ug/l	98
49) 1,4-Dioxane	9.20	88	62215	1048.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1783673	277.614	ug/l	100
52) Toluene	10.16	92	1114409	51.921	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	602219	53.699	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	692925	52.708	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	393958	53.238	ug/l	99
56) Ethyl methacrylate	10.43	69	519917	49.528	ug/l	100
57) 1,3-Dichloropropane	10.71	76	670438	52.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1376256	265.847	ug/l	100
59) 2-Hexanone	10.75	43	1268434	281.231	ug/l	100
60) Dibromochloromethane	10.90	129	446529	53.202	ug/l	99
61) 1,2-Dibromoethane	11.01	107	399075	53.324	ug/l	99
64) Tetrachloroethene	10.63	164	556114	51.461	ug/l	99
65) Chlorobenzene	11.43	112	1260547	51.935	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	442457	52.400	ug/l	99
67) Ethyl Benzene	11.51	91	2177290	52.636	ug/l	100
68) m/p-Xylenes	11.62	106	1671635	107.035	ug/l	100
69) o-Xylene	11.95	106	807697	53.224	ug/l	99
70) Styrene	11.96	104	1339269	54.377	ug/l	100
71) Bromoform	12.13	173	318309	54.757	ug/l	98
73) Isopropylbenzene	12.25	105	2182628	51.623	ug/l	100
74) N-amyl acetate	12.07	43	595847	52.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	459132	51.778	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	617756	81.193	ug/l #	100
77) Bromobenzene	12.53	156	563305	50.562	ug/l	99
78) n-propylbenzene	12.59	91	2548162	52.504	ug/l	99
79) 2-Chlorotoluene	12.68	91	1462245	50.830	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1785481	51.903	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	141785	47.305	ug/l	99
82) 4-Chlorotoluene	12.77	91	1517100	51.714	ug/l	99
83) tert-Butylbenzene	12.99	119	1589677	52.321	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1800158	51.899	ug/l	99
85) sec-Butylbenzene	13.17	105	2206830	52.961	ug/l	100
86) p-Isopropyltoluene	13.29	119	1935389	53.493	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1020490	52.073	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1008242	51.289	ug/l	99
89) n-Butylbenzene	13.62	91	1670205	54.156	ug/l	100
90) Hexachloroethane	13.88	117	297429	52.417	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	948036	52.582	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61920	55.072	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

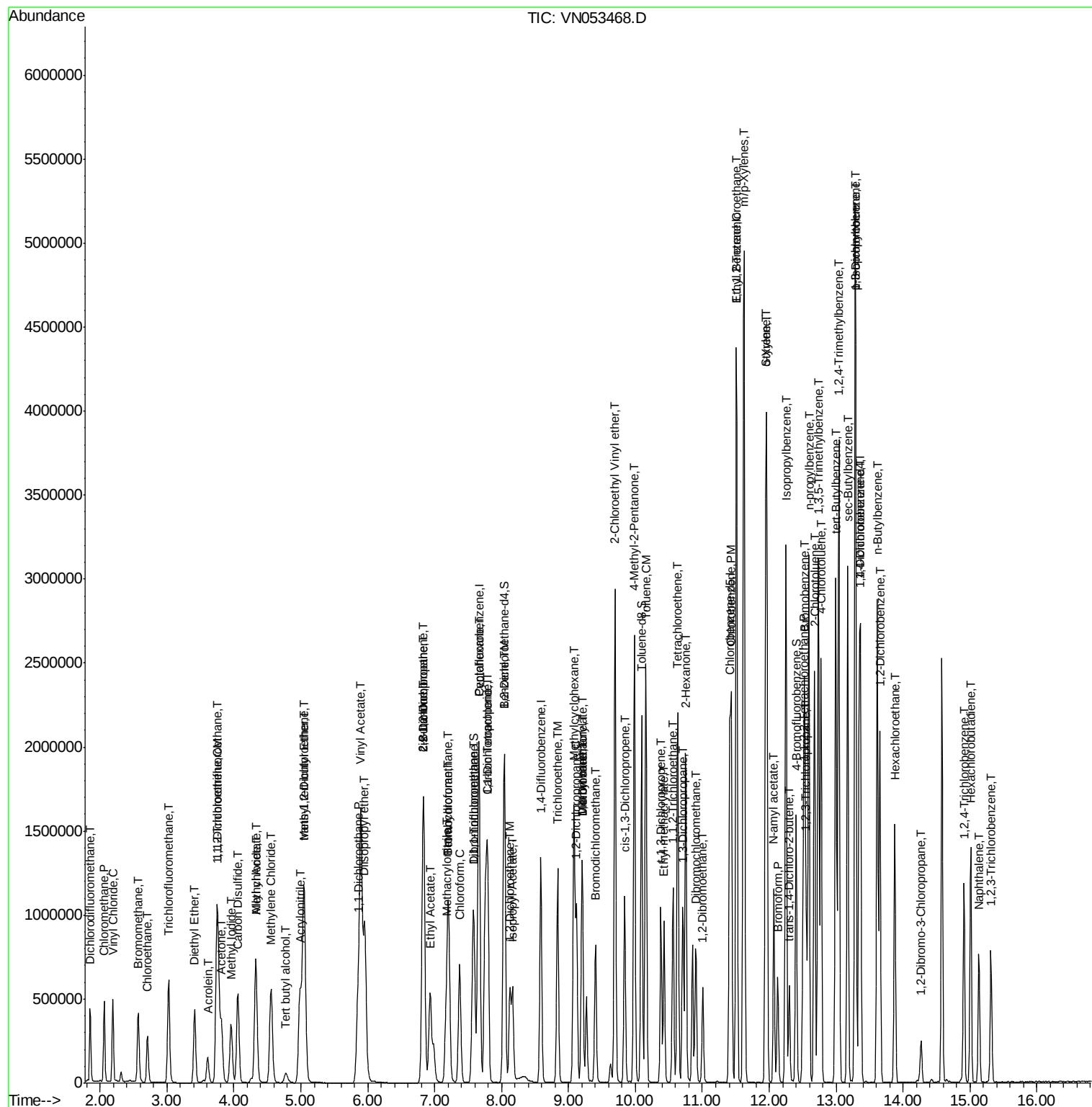
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	413307	51.847	ug/l	99
94) Hexachlorobutadiene	15.01	225	310506	55.208	ug/l	100
95) Naphthalene	15.13	128	684377	49.110	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	305562	52.299	ug/l	99

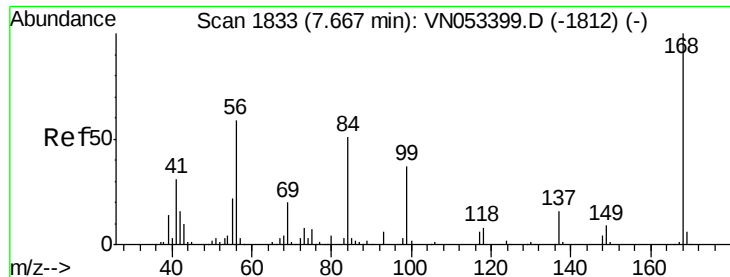
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

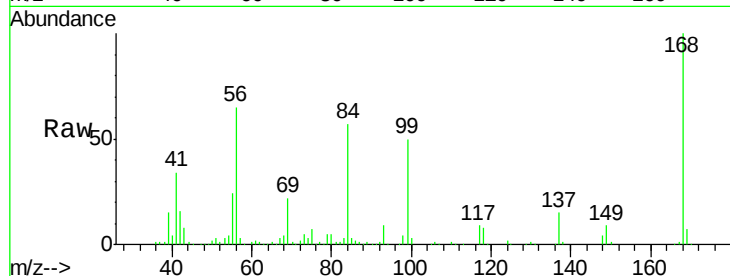
VSTDCCC050

Tot Ion:168 Resp: 856717

Ion Ratio Lower Upper

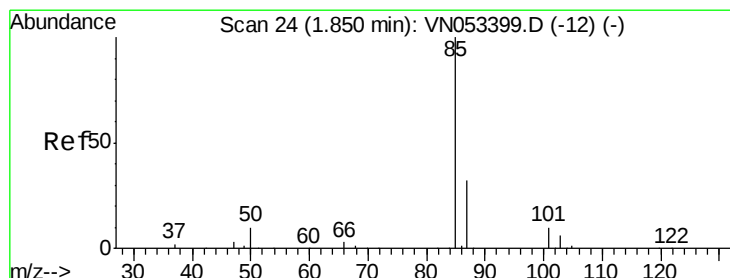
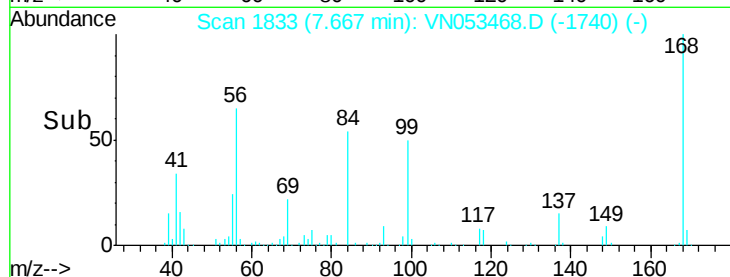
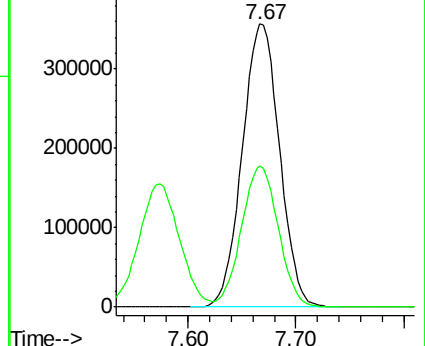
168 100

99 50.0 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.169 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053468.D

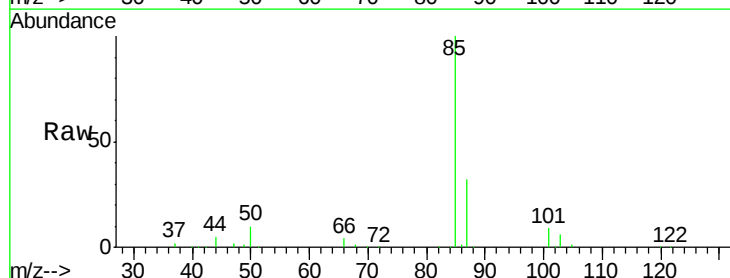
Acq: 18 Jan 2019 13:12

Tgt Ion: 85 Resp: 338680

Ion Ratio Lower Upper

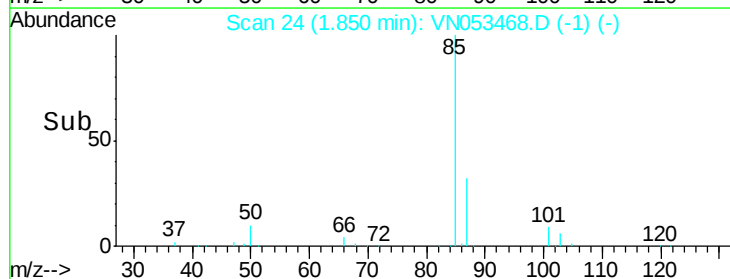
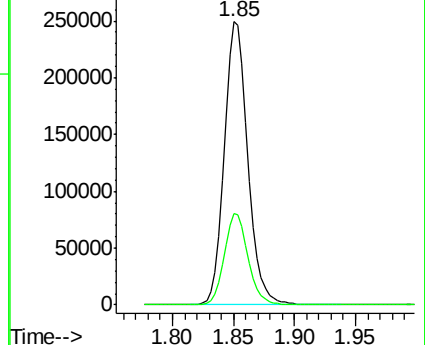
85 100

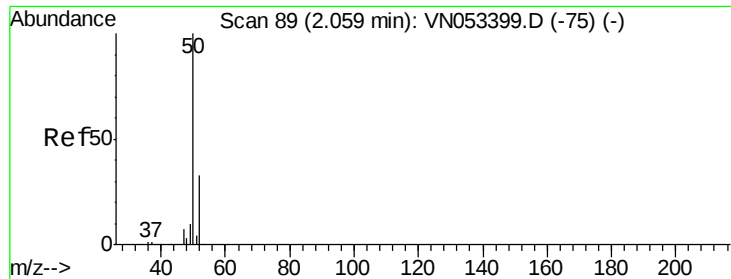
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.818 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

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ClientSampleId :

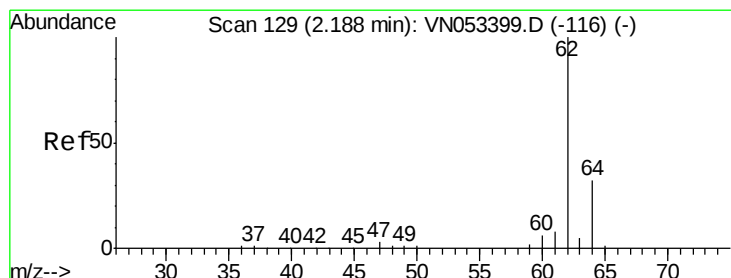
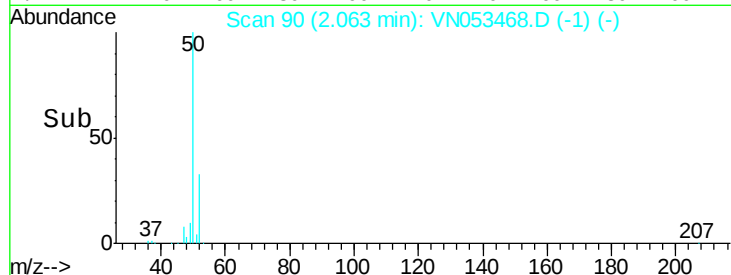
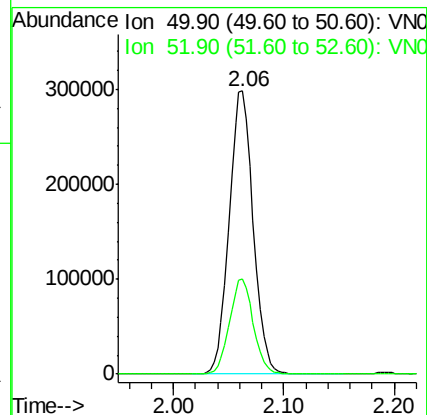
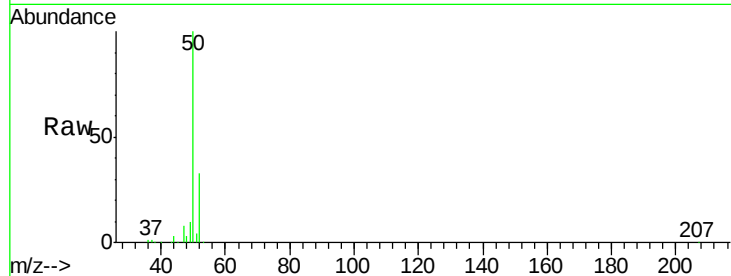
VSTDCCC050

Tot Ion: 50 Resp: 451227

Ion Ratio Lower Upper

50 100

52 33.4 26.6 40.0



#4

Vinyl Chloride

Concen: 47.311 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053468.D

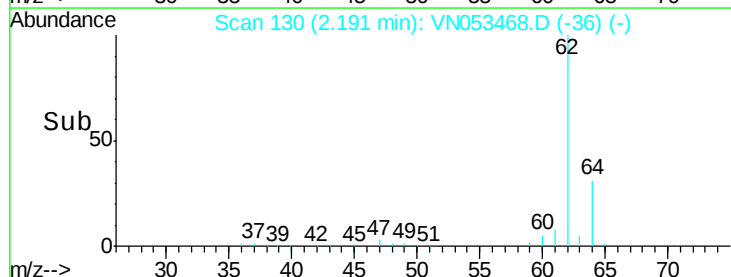
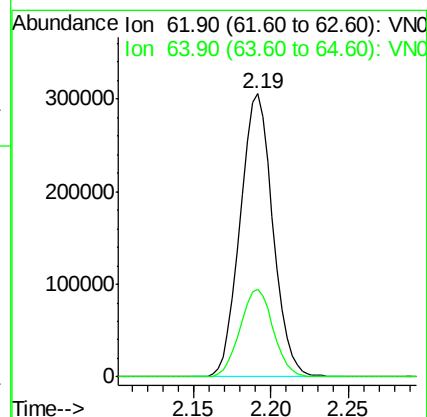
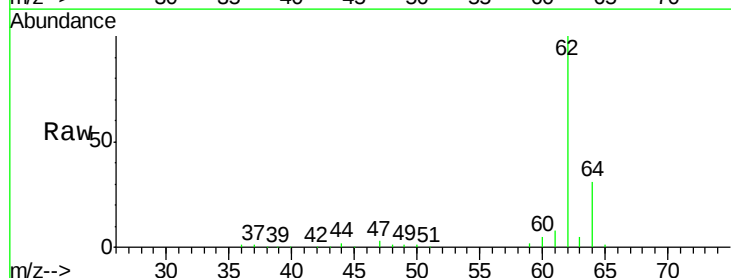
Acq: 18 Jan 2019 13:12

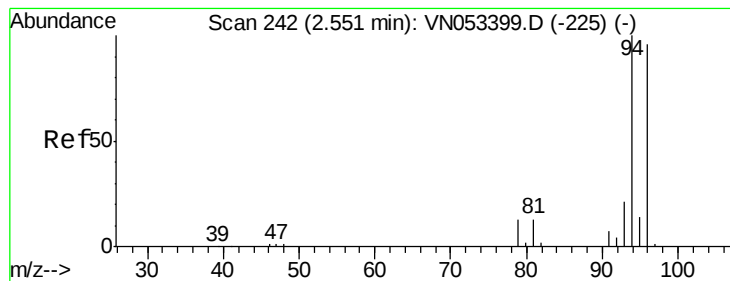
Tgt Ion: 62 Resp: 449128

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2





#5

Bromomethane

Concen: 46.701 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.02 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

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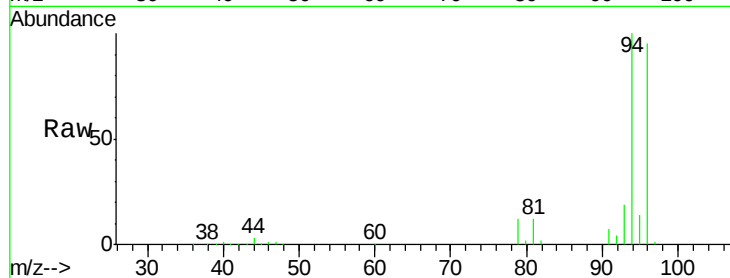
VSTDCCC050

Tot Ion: 94 Resp: 304197

Ion Ratio Lower Upper

94 100

96 95.0 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

150000

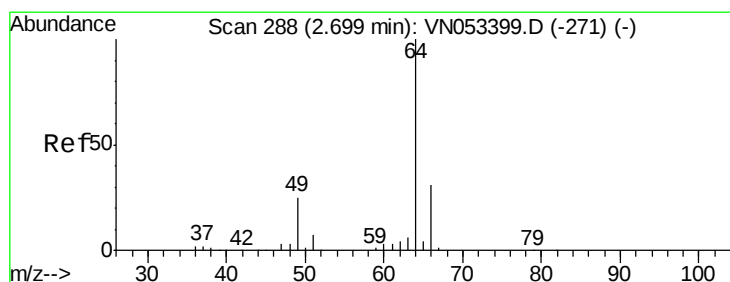
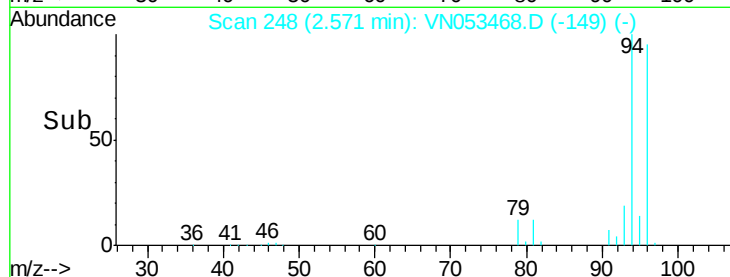
100000

50000

0

Time-->

2.50 2.60 2.70



#6

Chloroethane

Concen: 47.354 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053468.D

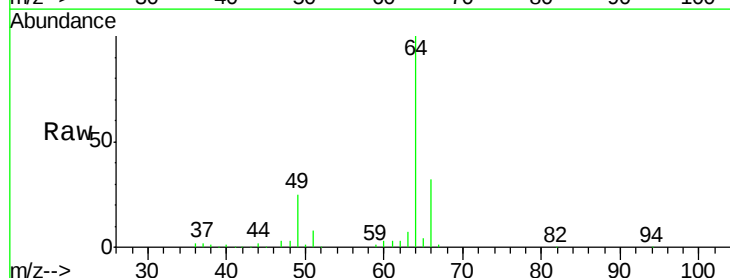
Acq: 18 Jan 2019 13:12

Tgt Ion: 64 Resp: 271791

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

150000

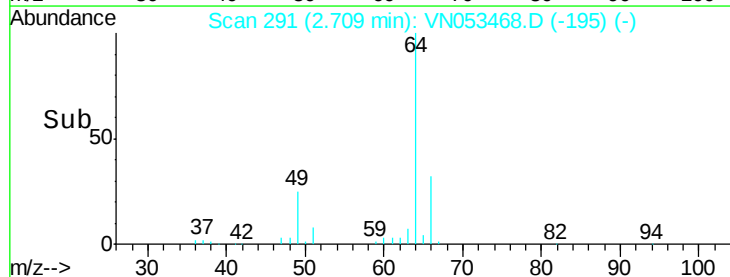
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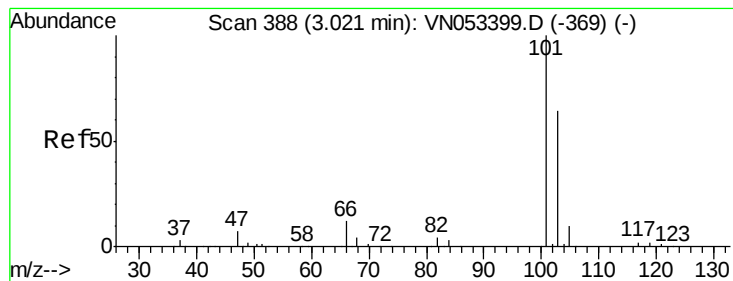
50000

0

Time-->

2.60 2.70 2.80



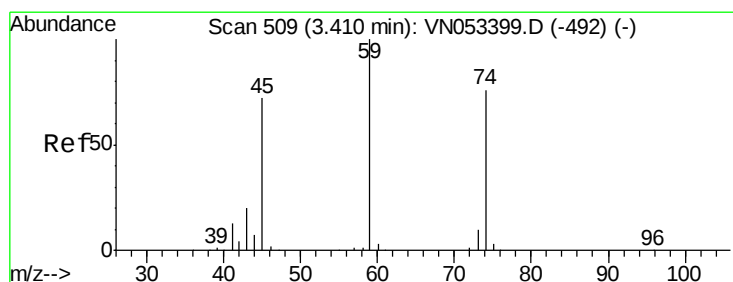
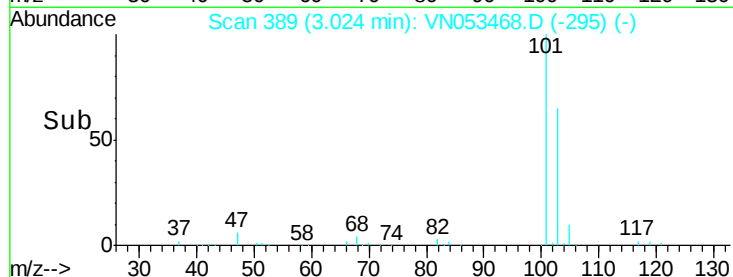
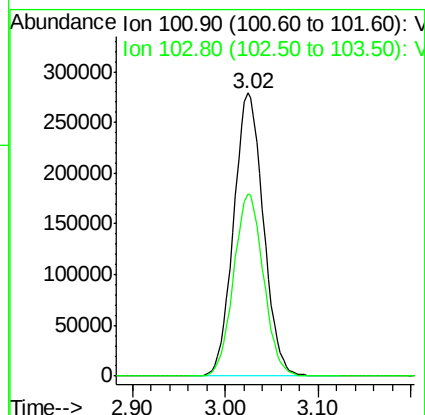
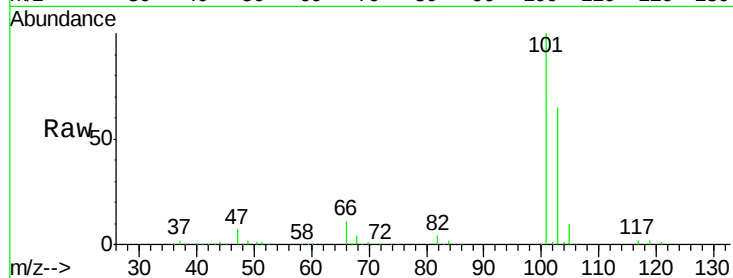


#7

Trichlorofluoromethane
 Concen: 49.948 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
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 ClientSampleId :
 VSTDCCC050

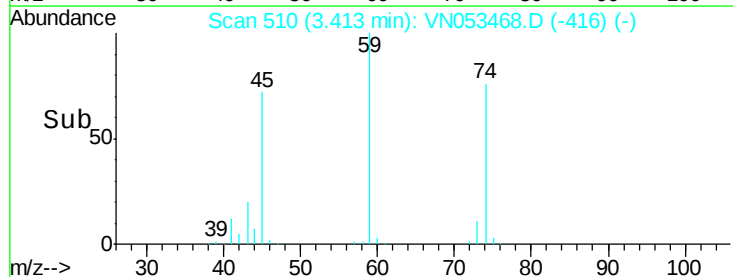
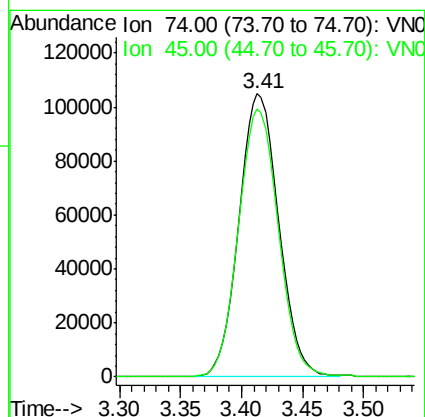
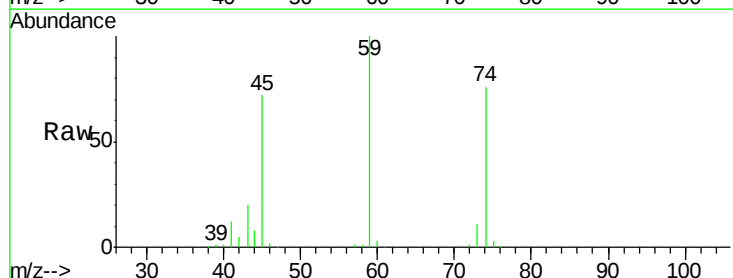
Tot Ion:101 Resp: 620210
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.6 77.4

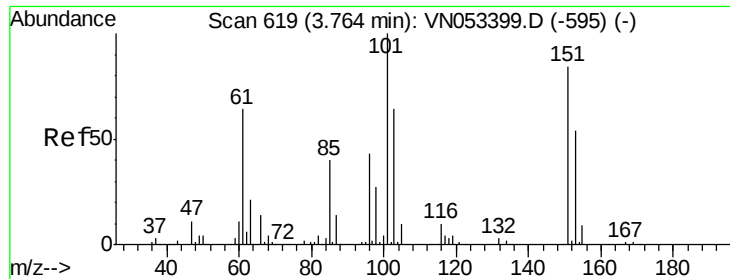


#8

Diethyl Ether
 Concen: 50.719 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 74 Resp: 236535
 Ion Ratio Lower Upper
 74 100
 45 95.5 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.708 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

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VSTDCCC050

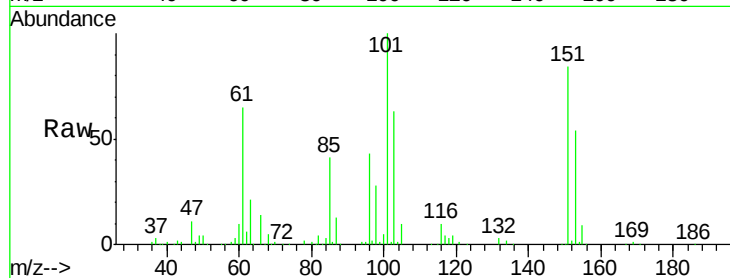
Tot Ion:101 Resp: 406628

Ion Ratio Lower Upper

101 100

85 41.1 32.8 49.2

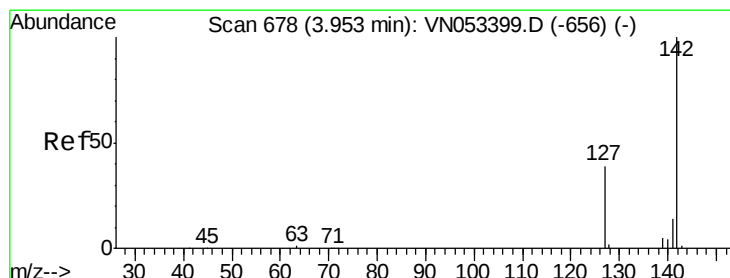
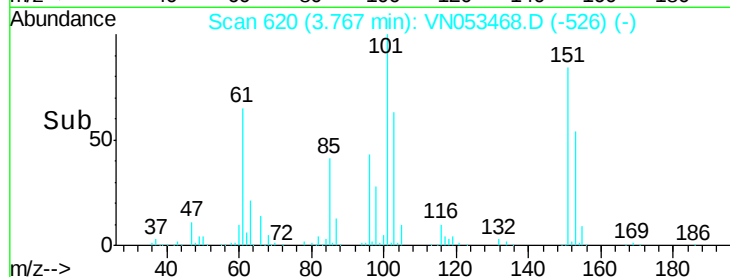
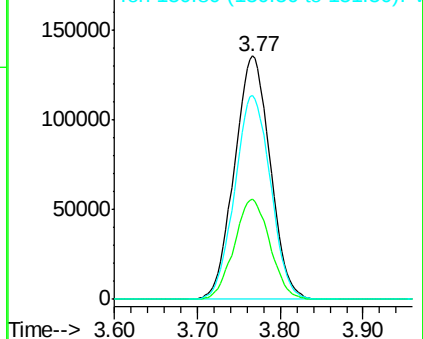
151 84.0 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.237 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

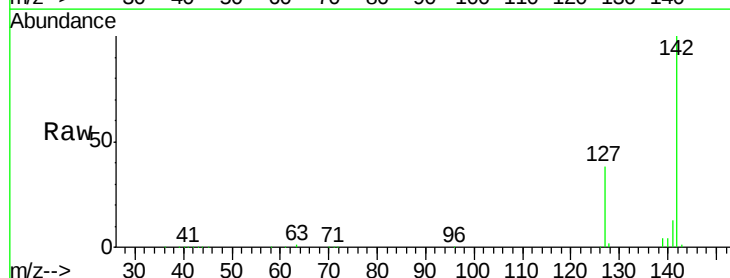
Tgt Ion:142 Resp: 579675

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.4

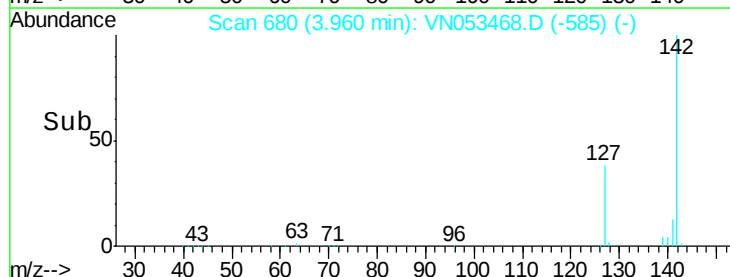
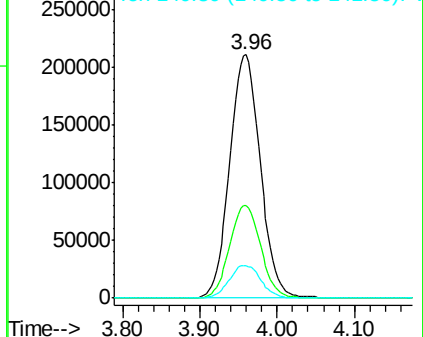
141 13.9 11.1 16.7

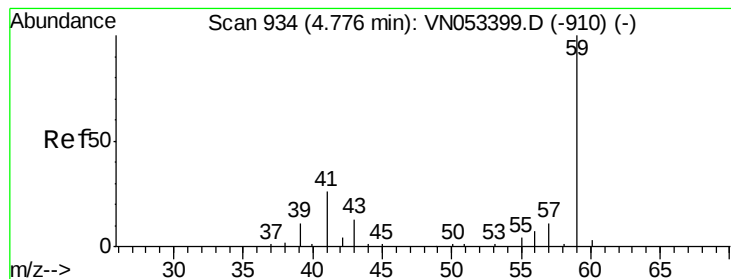


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



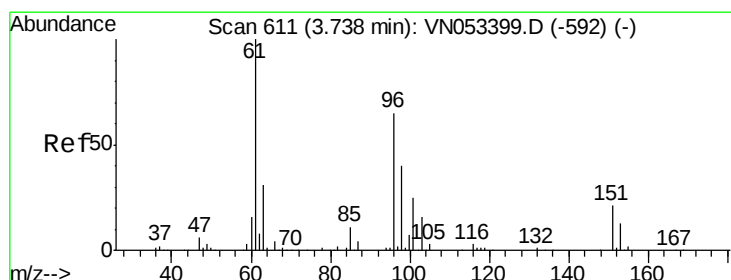
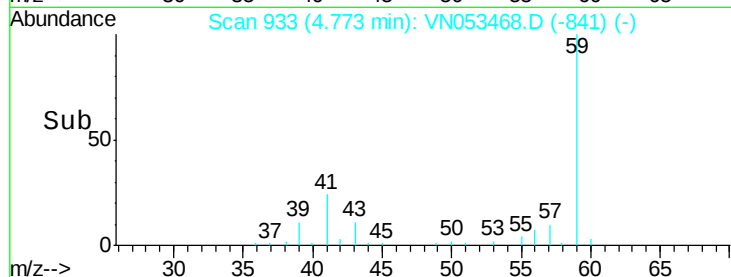
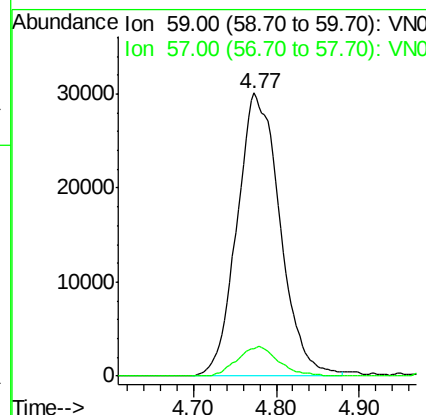
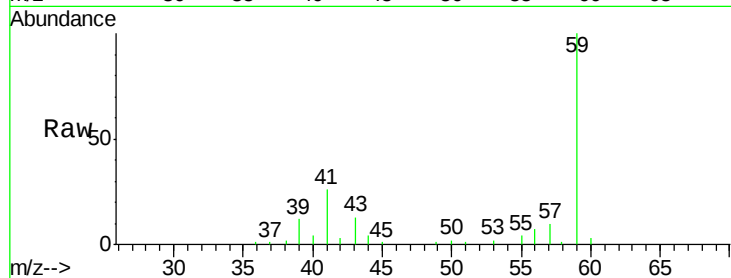


#11

Tert butyl alcohol
 Concen: 261.404 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

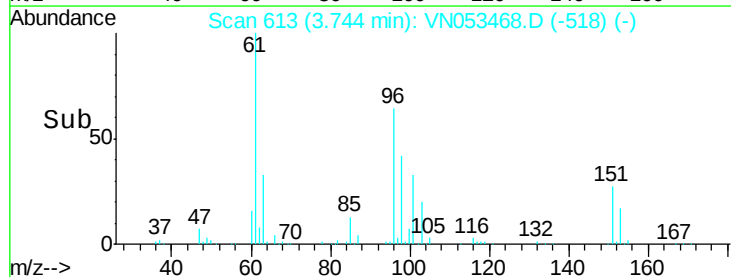
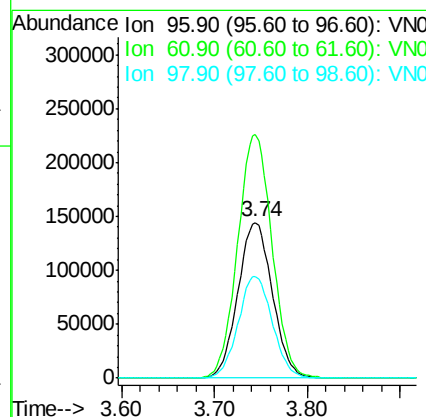
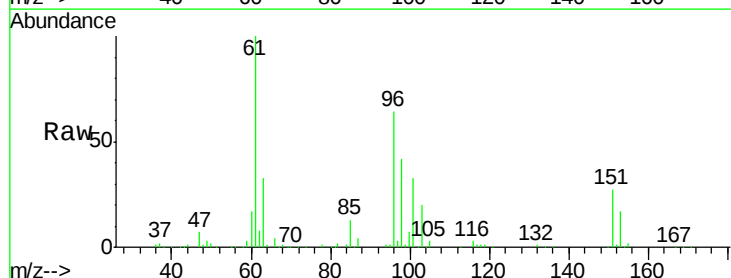
Tot Ion: 59 Resp: 108312
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

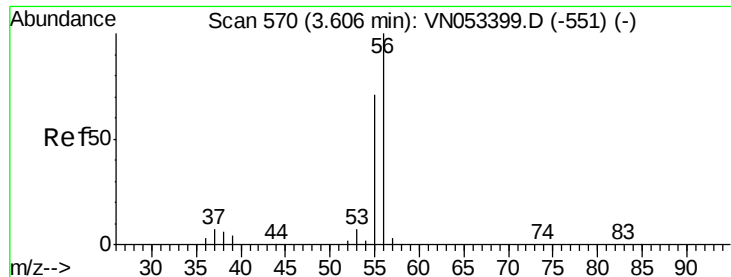


#12

1,1-Dichloroethene
 Concen: 48.791 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.01 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 96 Resp: 372155
 Ion Ratio Lower Upper
 96 100
 61 156.4 122.9 184.3
 98 65.1 49.4 74.0





#13

Acrolein

Concen: 222.896 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

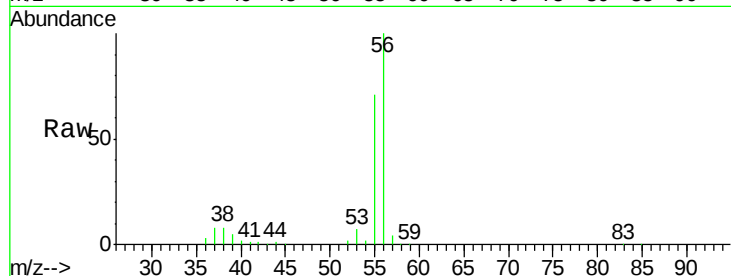
VSTDCCC050

Tot Ion: 56 Resp: 178024

Ion Ratio Lower Upper

56 100

55 72.4 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

80000

60000

40000

20000

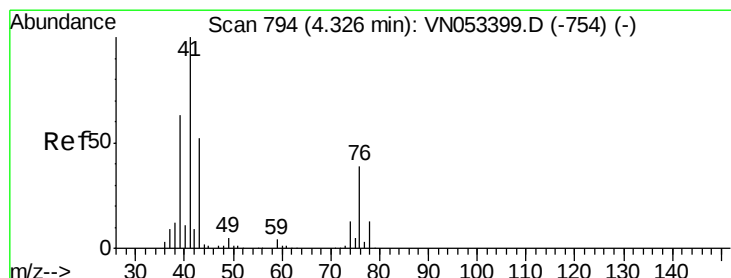
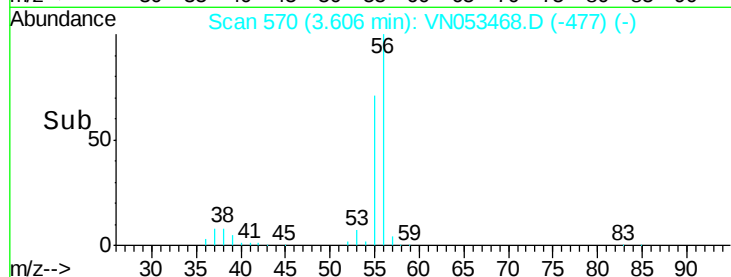
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 47.239 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

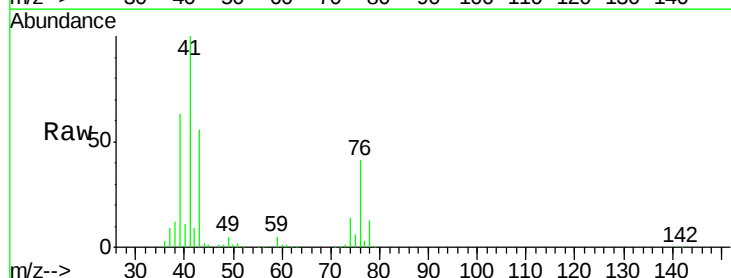
Tgt Ion: 41 Resp: 585269

Ion Ratio Lower Upper

41 100

39 64.7 48.9 73.3

76 39.7 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

250000

200000

150000

100000

50000

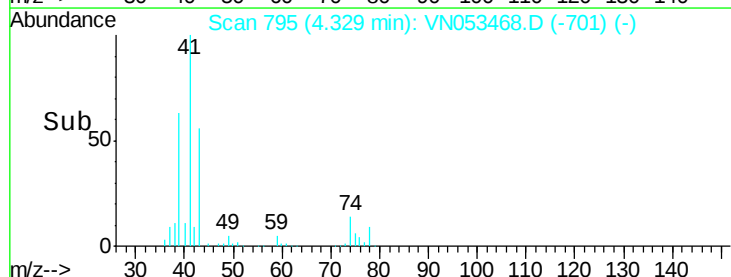
0

Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 262.583 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

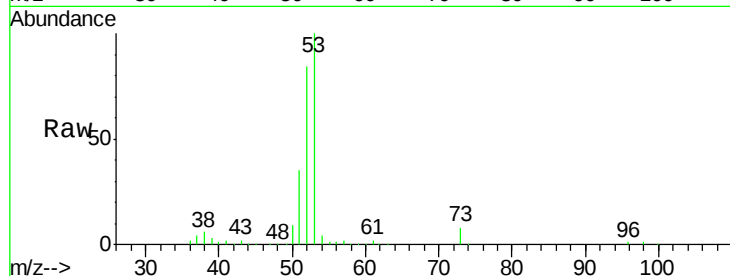
Tot Ion: 53 Resp: 716028

Ion Ratio Lower Upper

53 100

52 81.5 66.0 99.0

51 35.3 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN053399.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN053399.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VN053399.D (-974) (-)

4.99

250000

200000

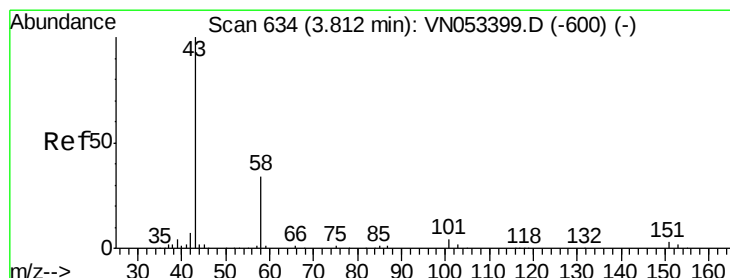
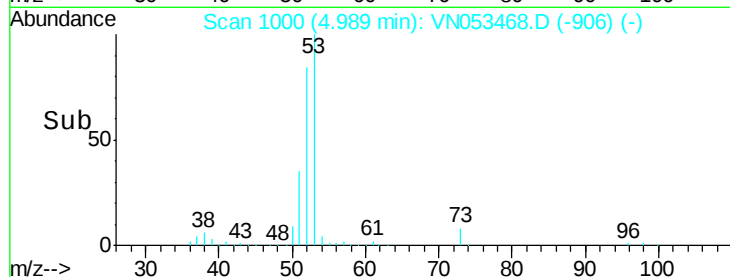
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 276.113 ug/l

RT: 3.81 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053468.D

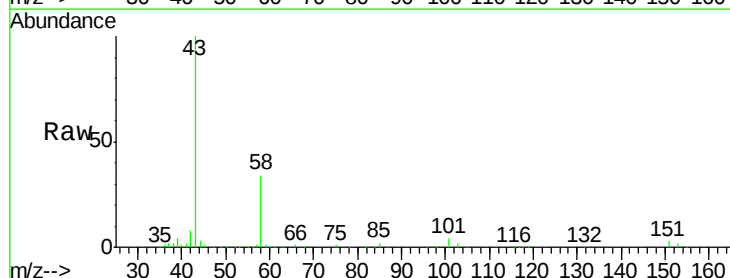
Acq: 18 Jan 2019 13:12

Tgt Ion: 43 Resp: 548554

Ion Ratio Lower Upper

43 100

58 34.4 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-600) (-)

3.81

250000

200000

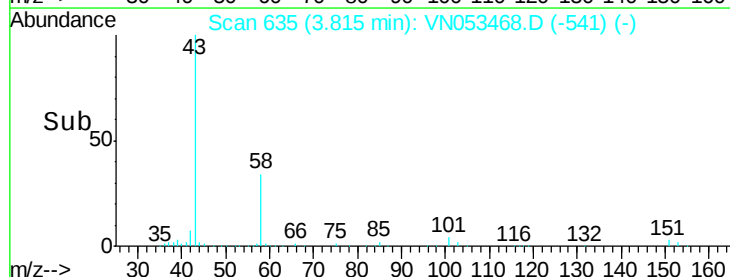
150000

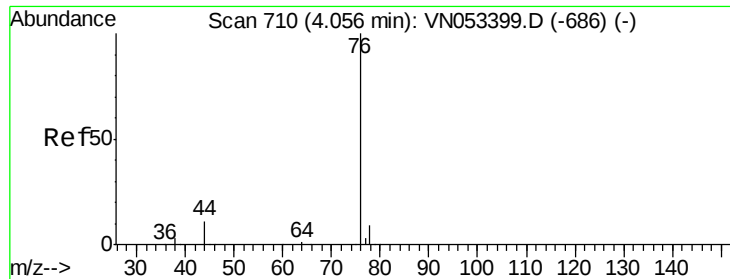
100000

50000

0

Time--> 3.70 3.80 3.90

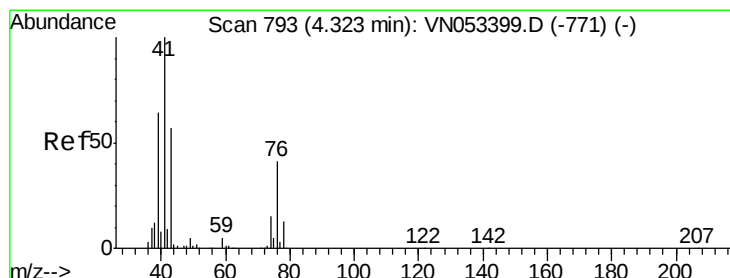
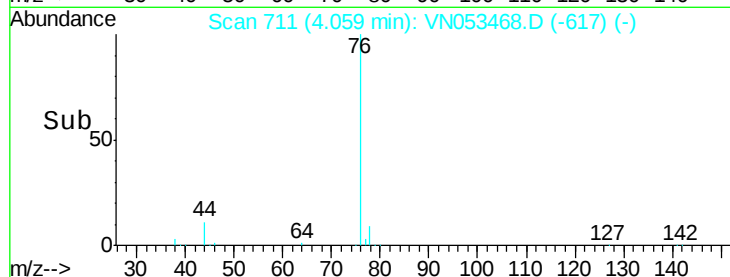
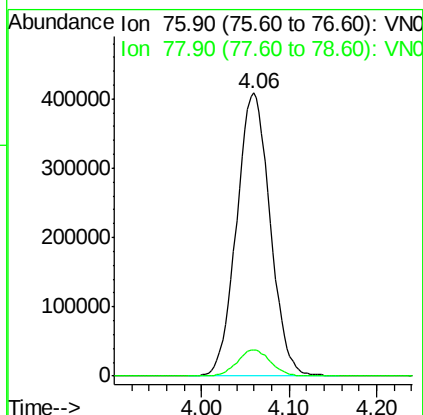
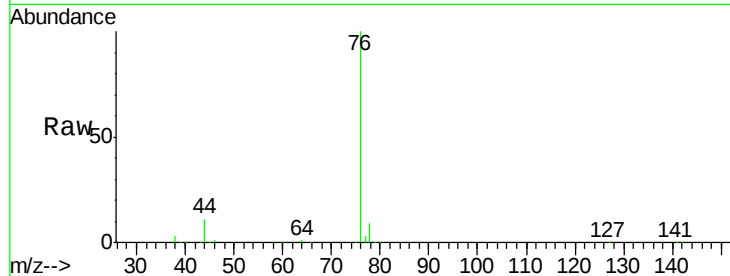




#17
Carbon Disulfide
Concen: 47.187 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

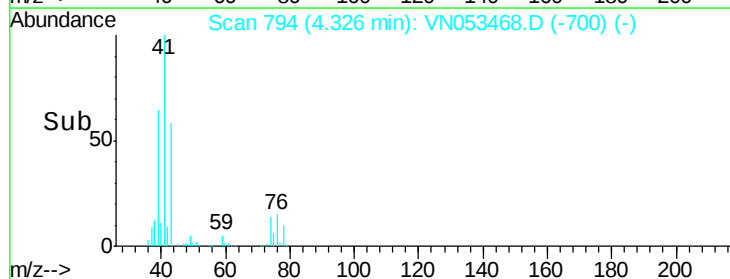
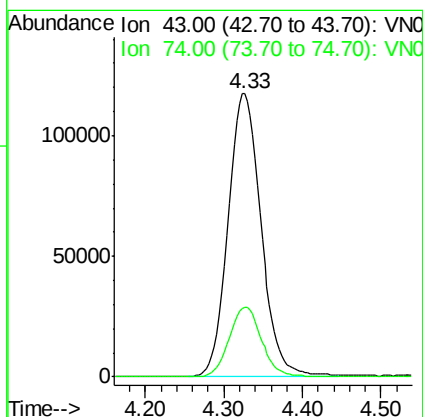
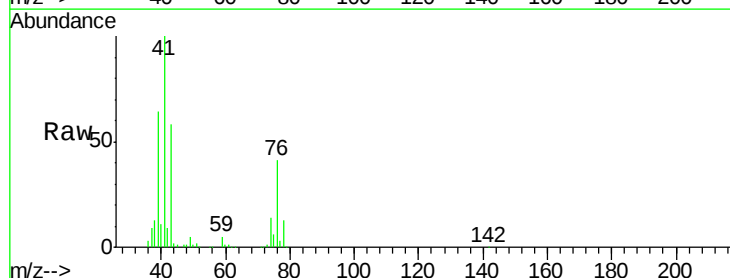
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1088406
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 50.857 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 43 Resp: 340410
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2

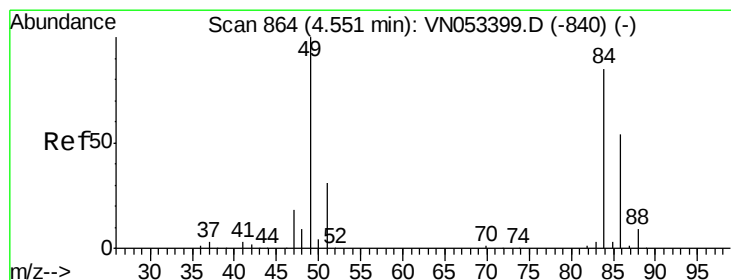
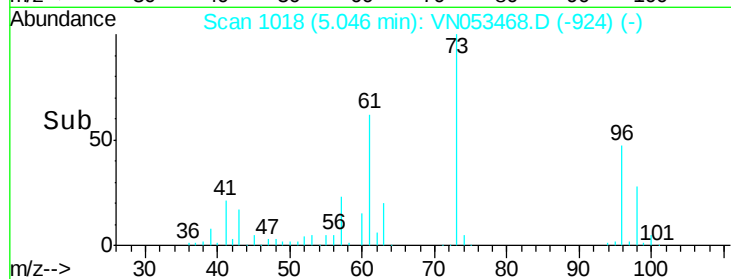
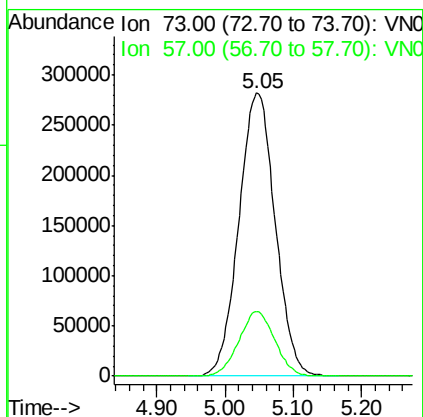
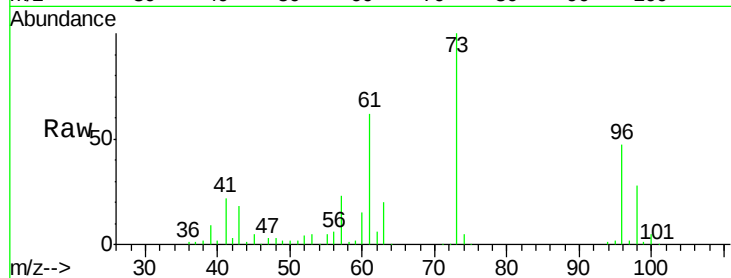




#19
Methyl tert-butyl Ether
Concen: 51.474 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

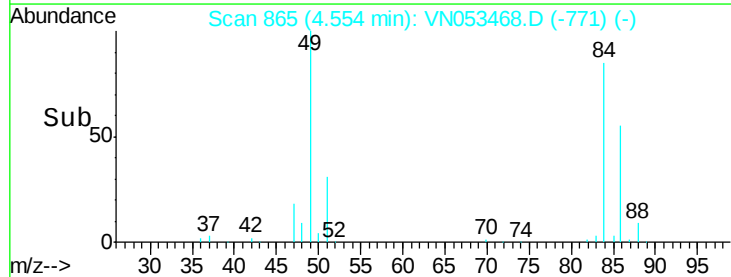
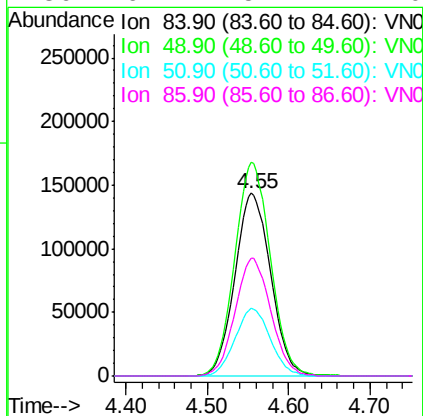
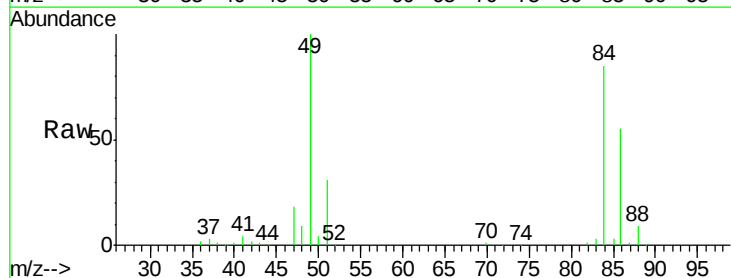
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

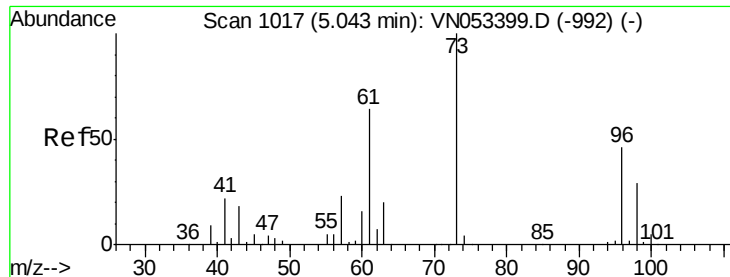
Tot Ion: 73 Resp: 1043207
Ion Ratio Lower Upper
73 100
57 23.0 18.3 27.5



#20
Methylene Chloride
Concen: 48.181 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 84 Resp: 437017
Ion Ratio Lower Upper
84 100
49 117.0 94.3 141.5
51 36.9 29.4 44.2
86 64.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 50.146 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

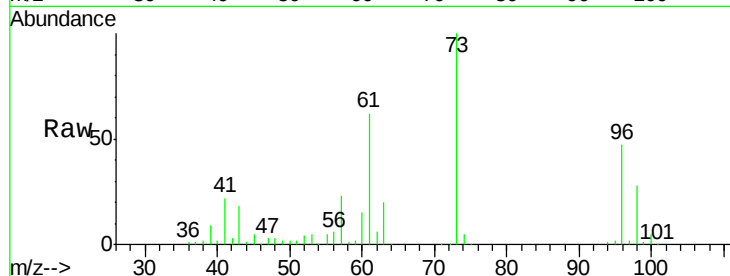
Tot Ion: 96 Resp: 408923

Ion Ratio Lower Upper

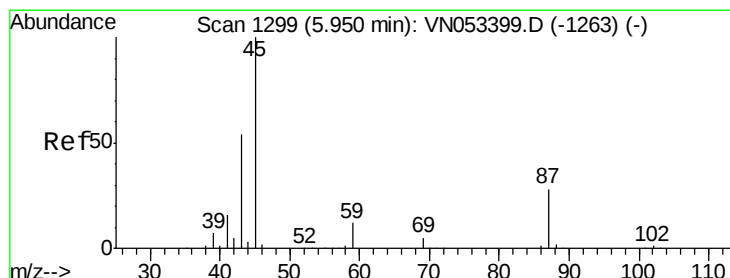
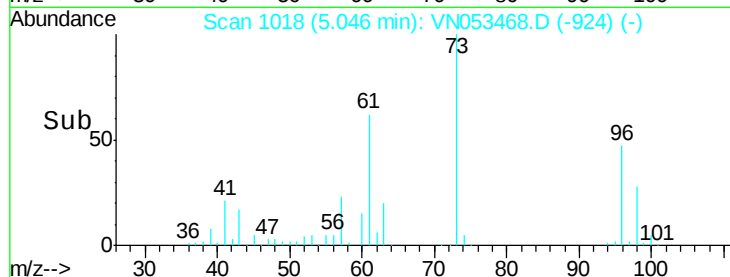
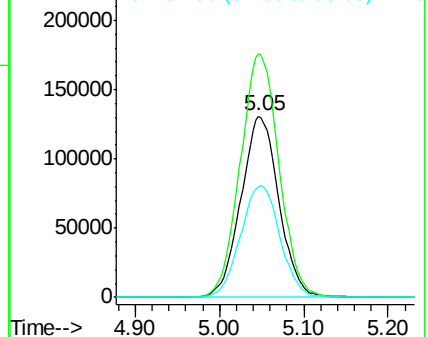
96 100

61 134.1 110.1 165.1

98 60.9 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.028 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion: 45 Resp: 1319797

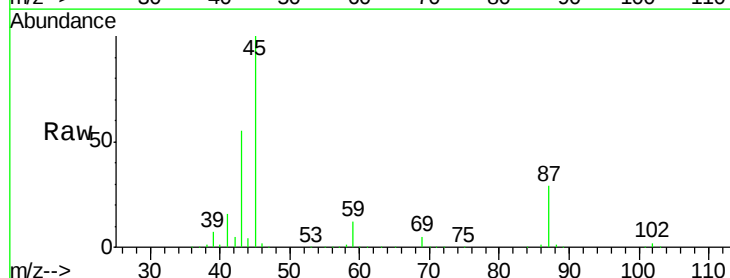
Ion Ratio Lower Upper

45 100

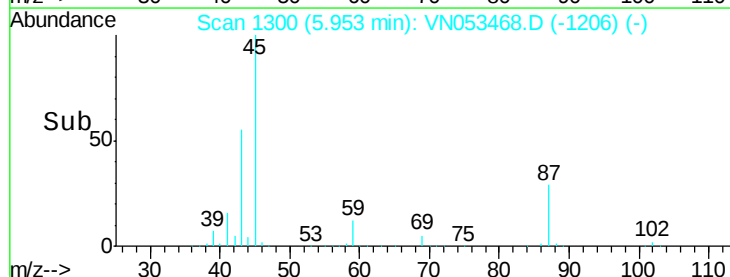
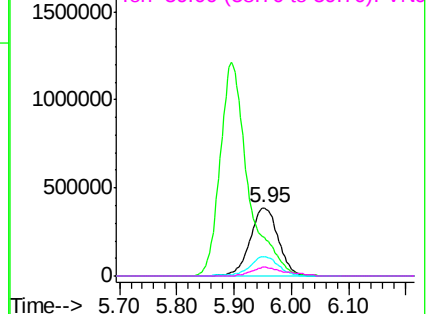
43 55.3 44.2 66.4

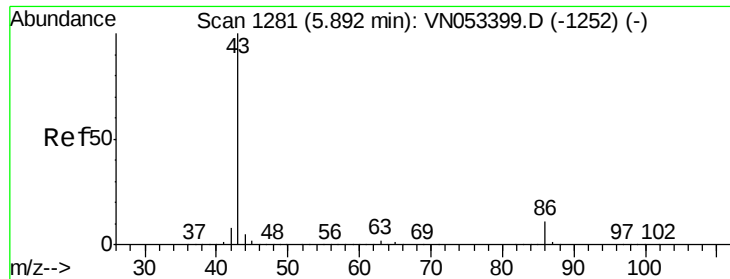
87 28.6 22.7 34.1

59 12.3 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 259.160 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampled :

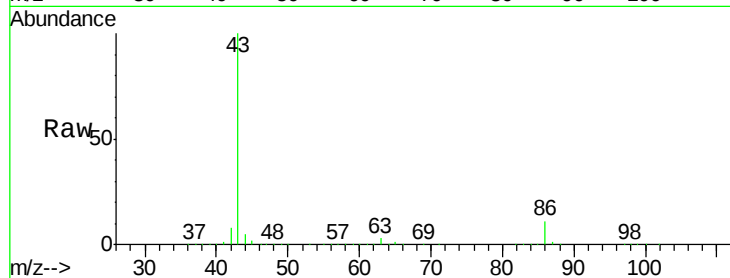
VSTDCCC050

Tot Ion: 43 Resp: 4120408

Ion Ratio Lower Upper

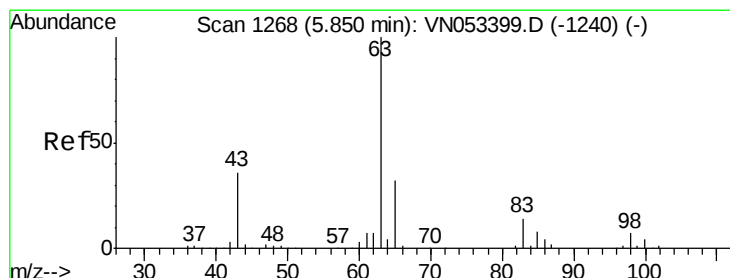
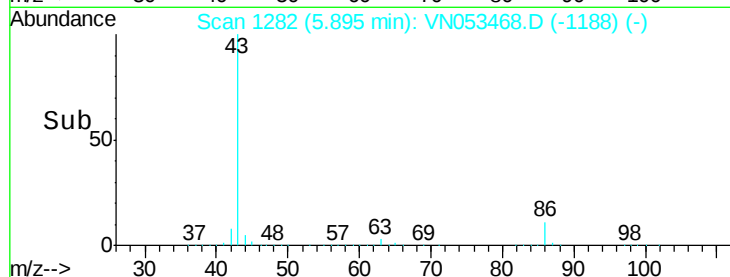
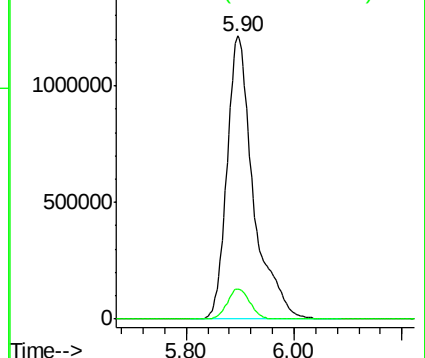
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.847 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

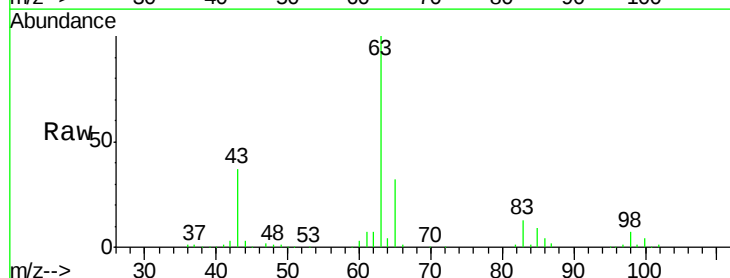
Tgt Ion: 63 Resp: 762164

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

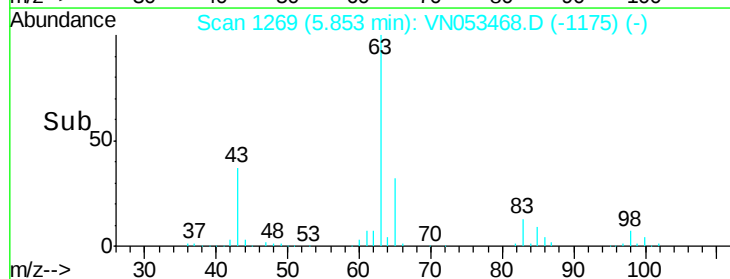
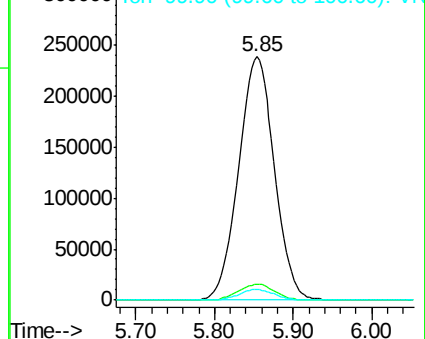
100 4.4 2.1 6.5

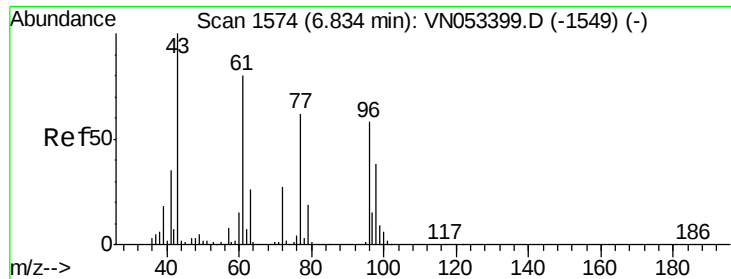


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 268.655 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

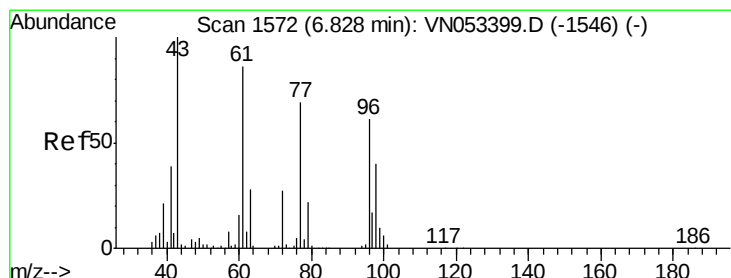
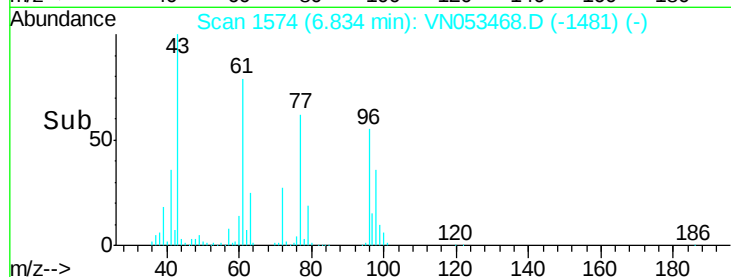
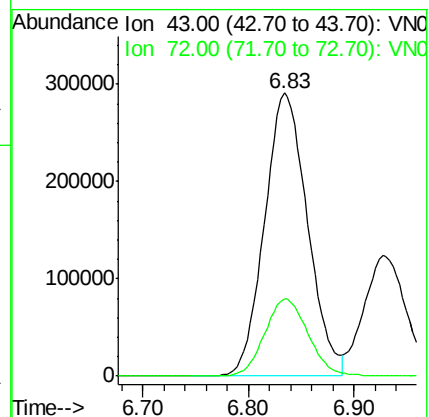
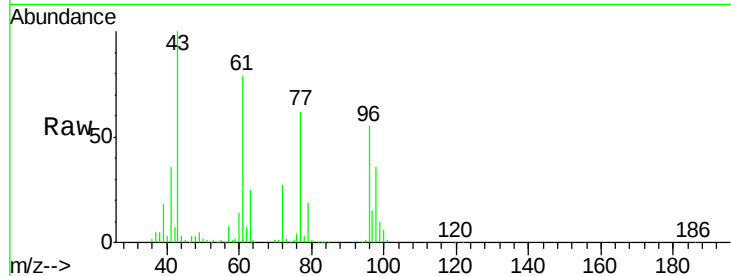
VSTDCCC050

Tot Ion: 43 Resp: 822497

Ion Ratio Lower Upper

43 100

72 27.4 22.0 33.0



#26

2,2-Dichloropropane

Concen: 51.130 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053468.D

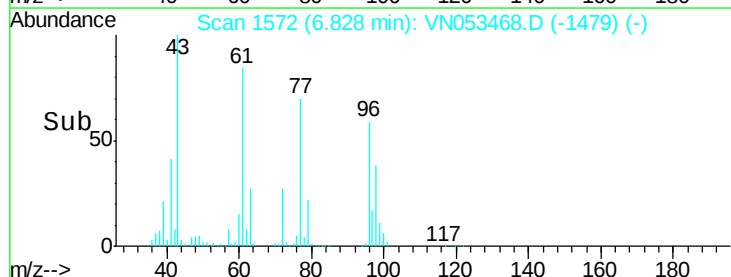
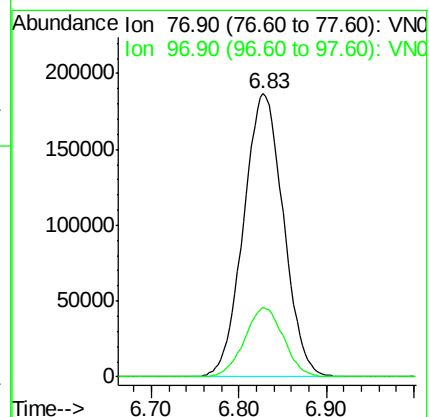
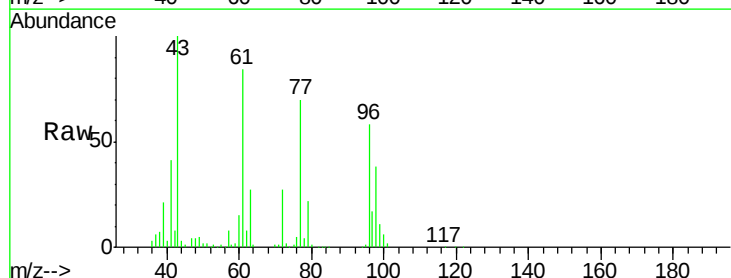
Acq: 18 Jan 2019 13:12

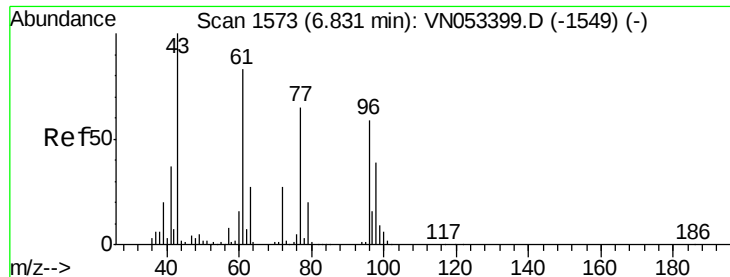
Tgt Ion: 77 Resp: 590256

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.417 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

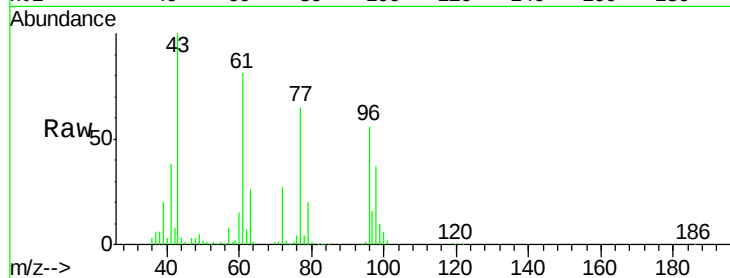
Tot Ion: 96 Resp: 470134

Ion Ratio Lower Upper

96 100

61 142.2 0.0 283.8

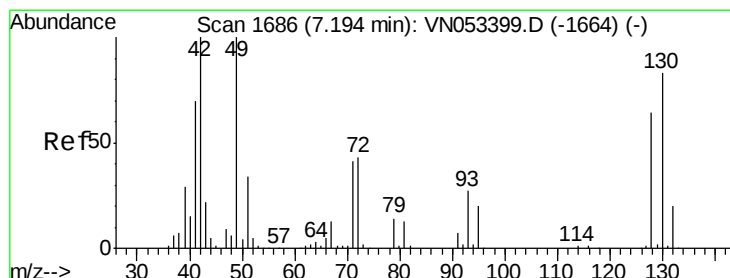
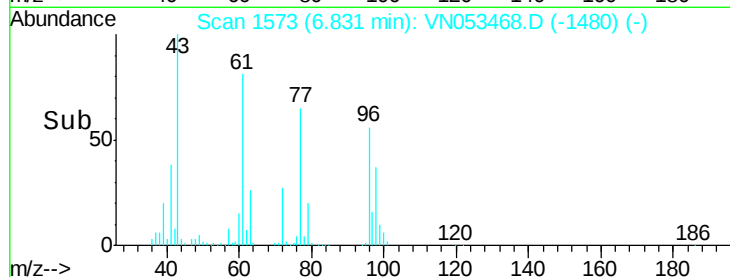
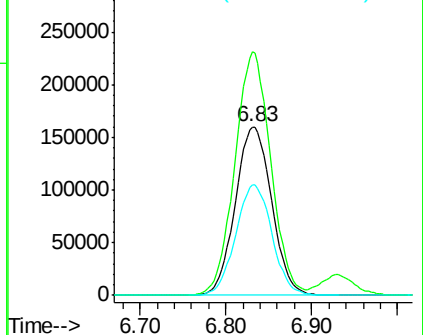
98 65.5 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053399.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1549) (-)

Ion 97.90 (97.60 to 98.60): VN053399.D (-1549) (-)



#28

Bromochloromethane

Concen: 50.503 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

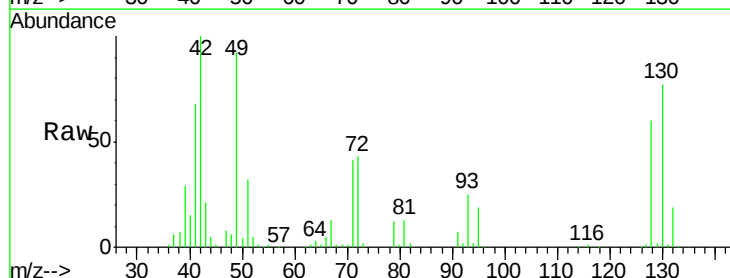
Tgt Ion: 49 Resp: 340180

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

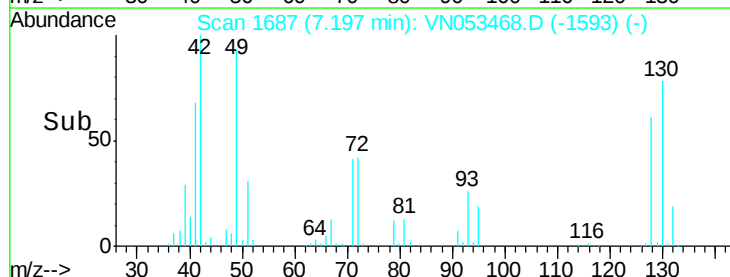
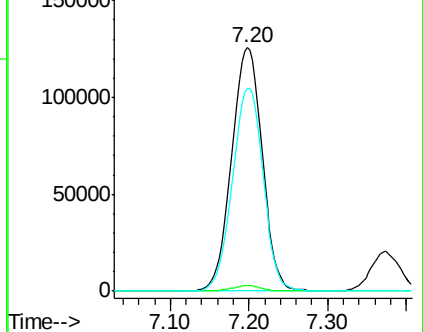
130 83.8 66.3 99.5

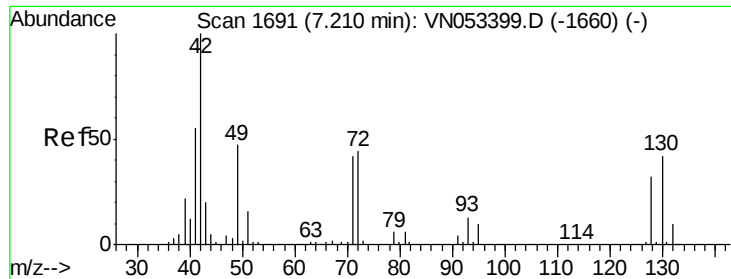


Abundance Ion 48.90 (48.60 to 49.60): VN053399.D (-1664) (-)

Ion 128.80 (128.50 to 129.50): VN053399.D (-1664) (-)

Ion 129.80 (129.50 to 130.50): VN053399.D (-1664) (-)

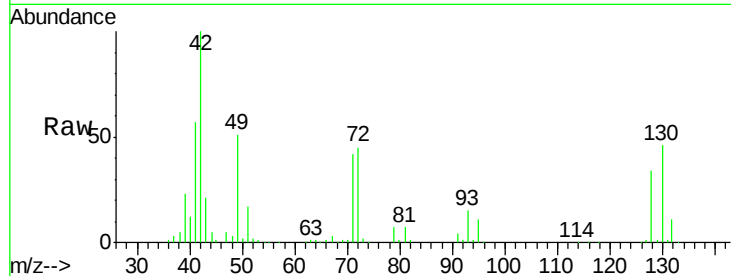




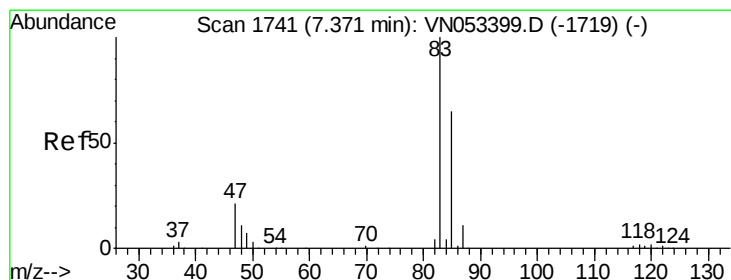
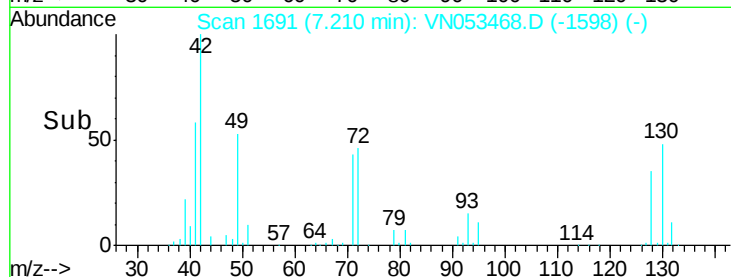
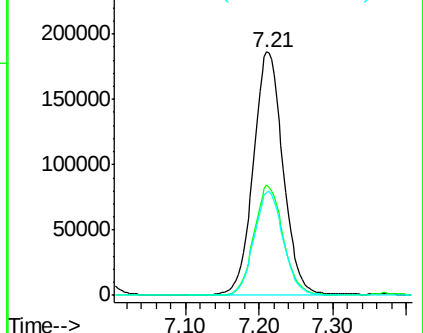
#29
Tetrahydrofuran
Concen: 262.147 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 522476
Ion Ratio Lower Upper
42 100
72 44.5 35.2 52.8
71 42.0 33.0 49.4

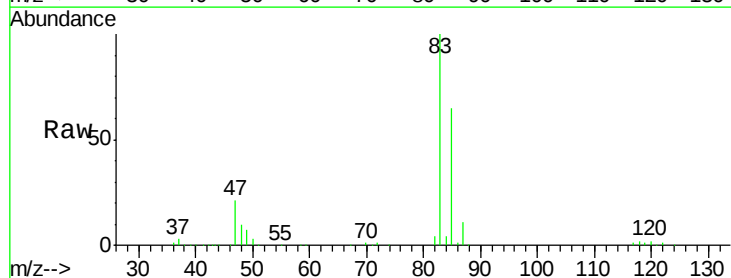


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

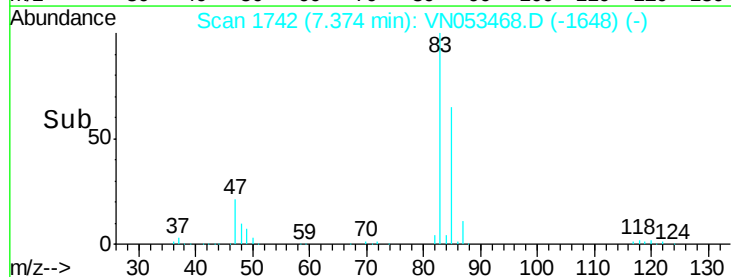
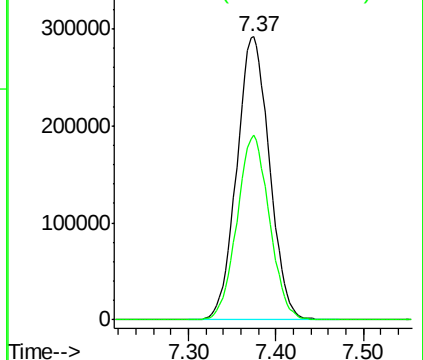


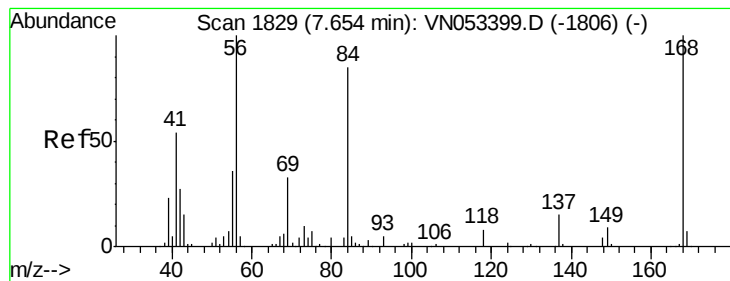
#30
Chloroform
Concen: 50.796 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 83 Resp: 756709
Ion Ratio Lower Upper
83 100
85 65.1 52.2 78.2



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





#31

Cyclohexane

Concen: 48.233 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

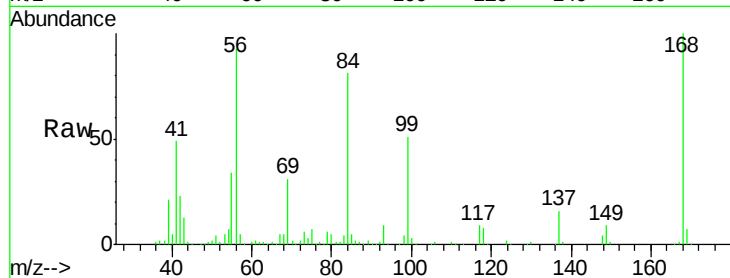
Tot Ion: 56 Resp: 717825

Ion Ratio Lower Upper

56 100

69 33.5 26.4 39.6

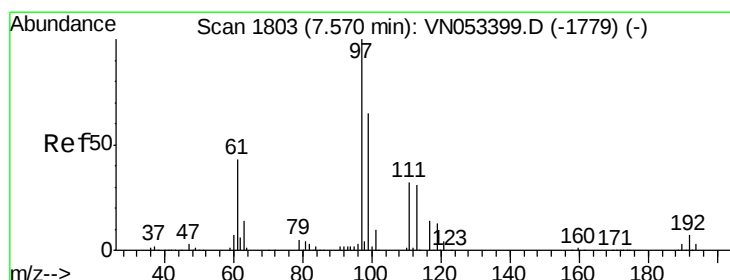
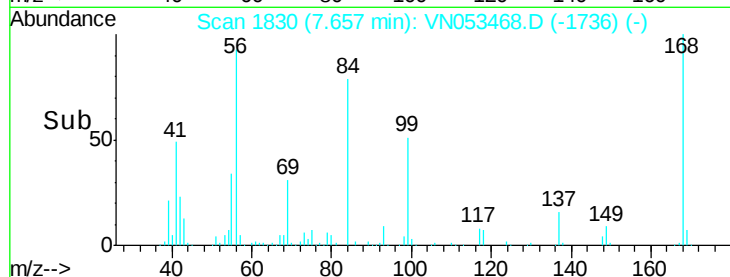
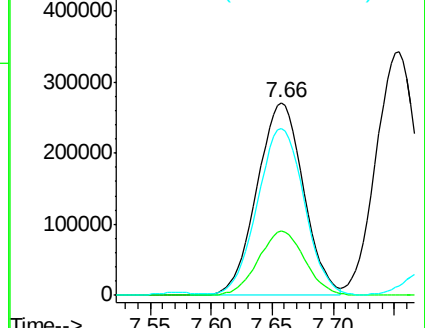
84 85.6 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053399.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053399.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 50.679 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

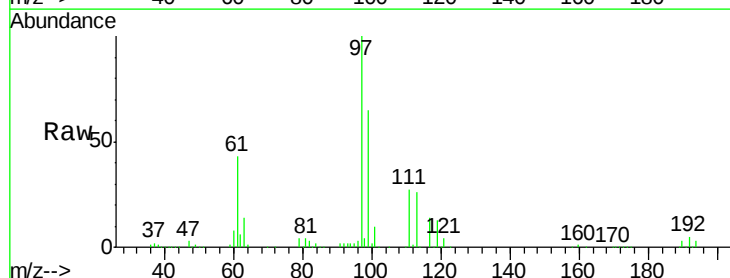
Tgt Ion: 97 Resp: 640434

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

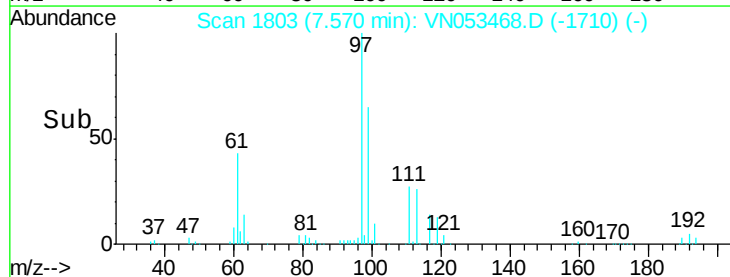
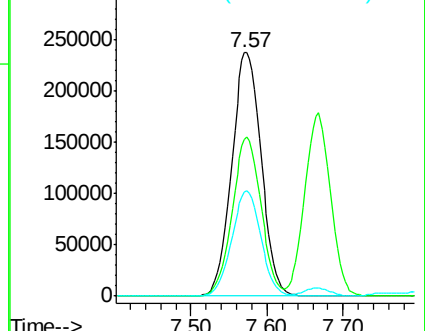
61 42.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN053399.D (-1779) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1779) (-)

Ion 60.90 (60.60 to 61.60): VN053399.D (-1779) (-)





#33

1,2-Dichloroethane-d4

Concen: 50.679 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

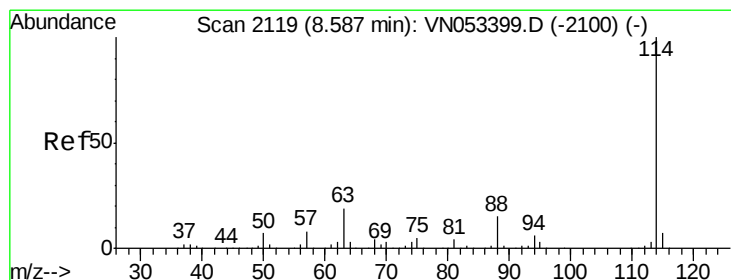
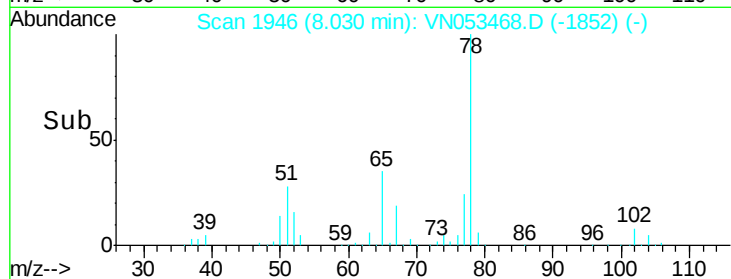
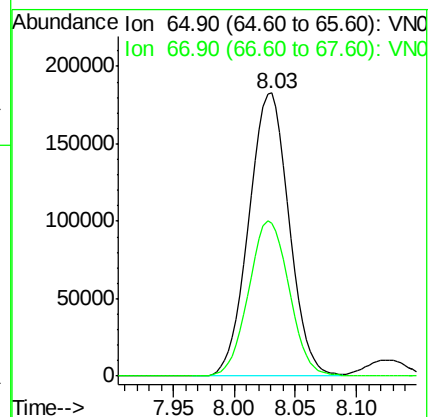
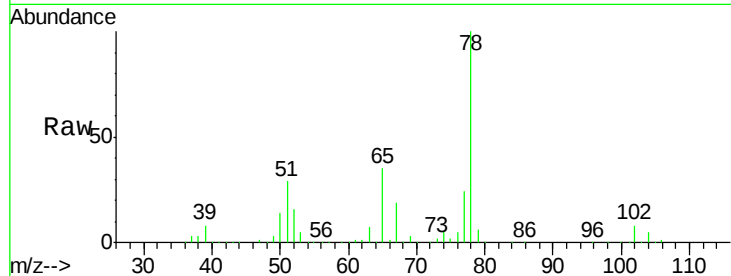
VSTDCCC050

Tot Ion: 65 Resp: 417220

Ion Ratio Lower Upper

65 100

67 55.2 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

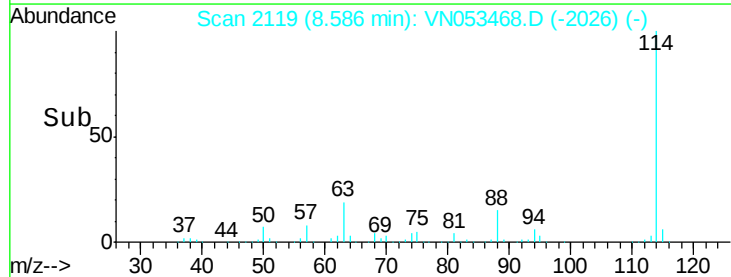
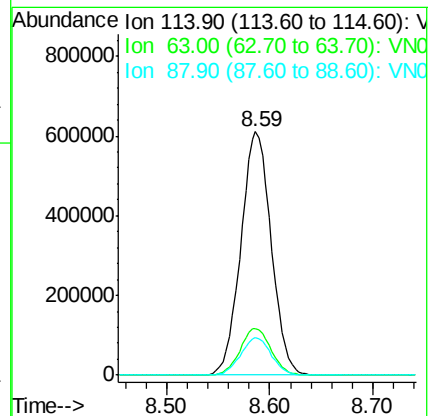
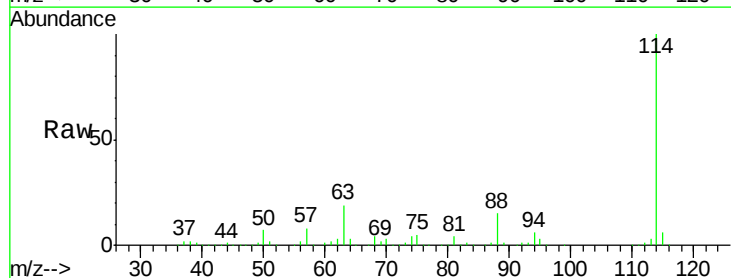
Tgt Ion: 114 Resp: 1249252

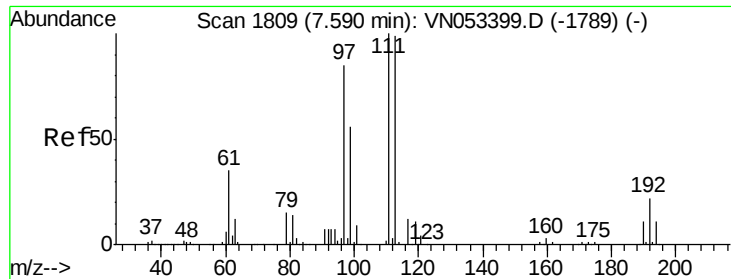
Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.6

88 15.3 0.0 30.4

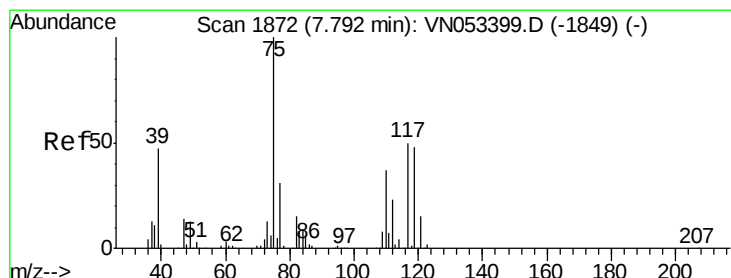
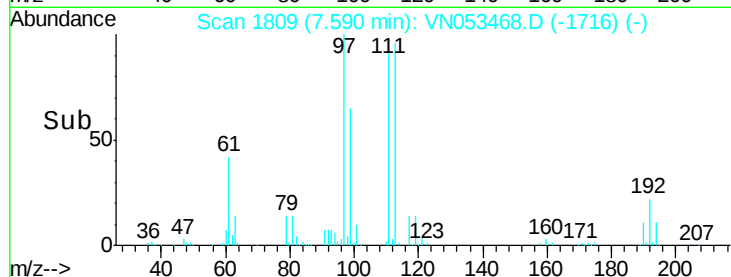
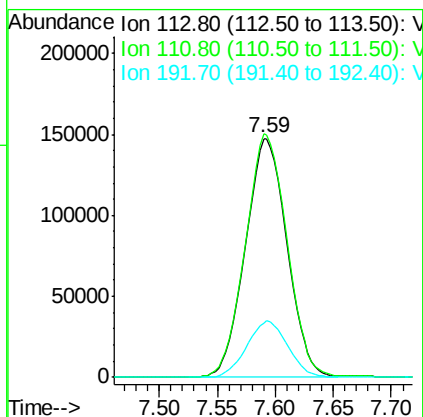
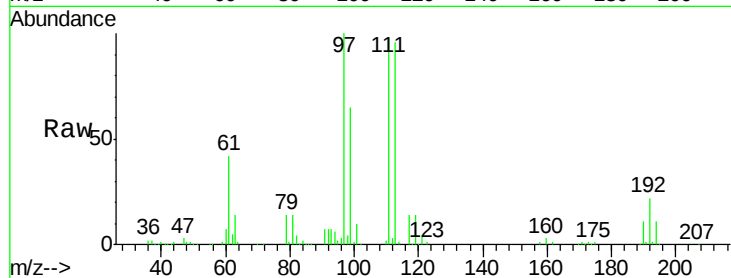




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

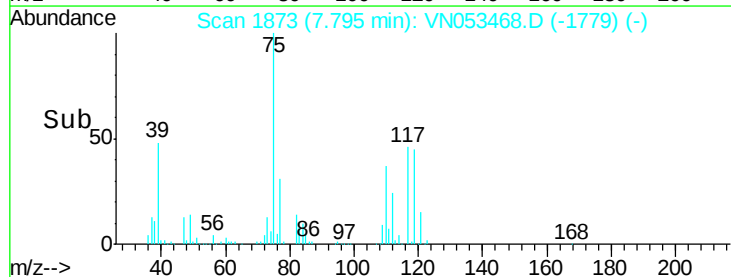
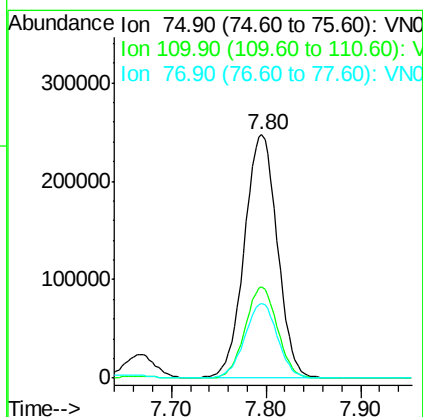
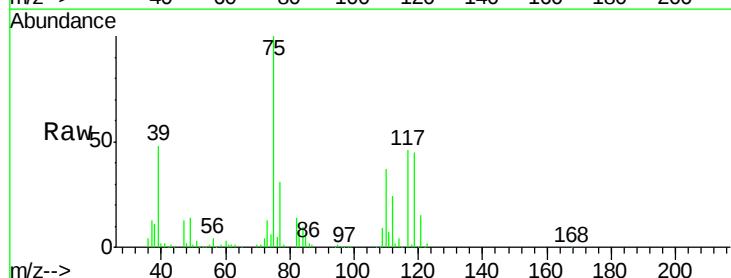
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

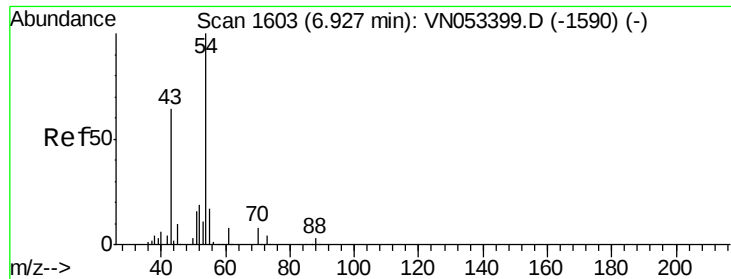
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	23.2	18.2	27.2



#36
1,1-Dichloropropene
Concen: 52.477 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.3
77	30.7	25.1	37.7

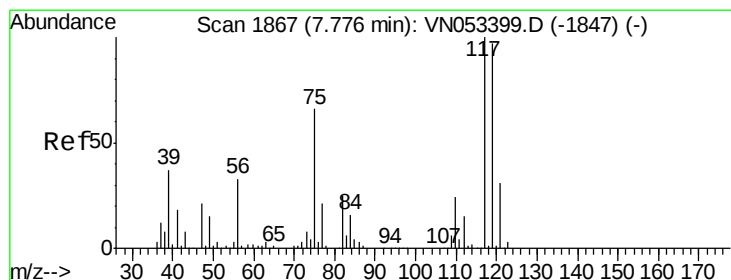
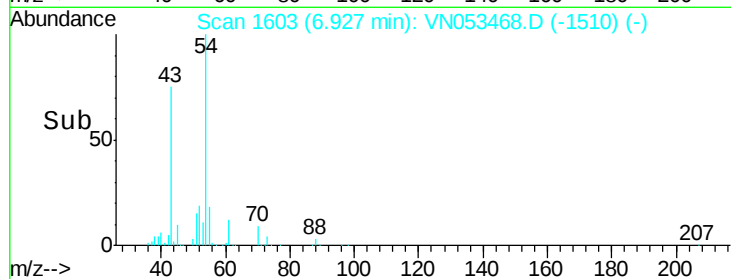
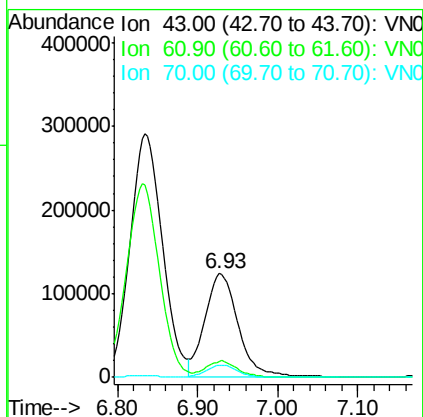
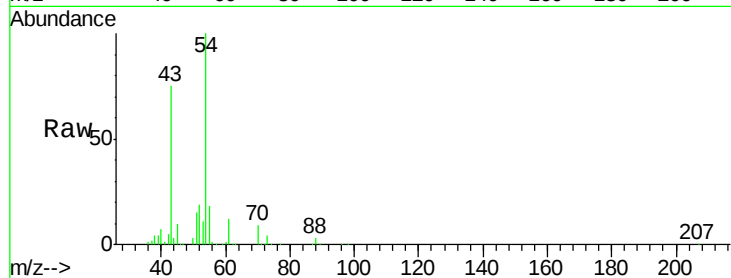




#37
Ethyl Acetate
Concen: 54.149 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

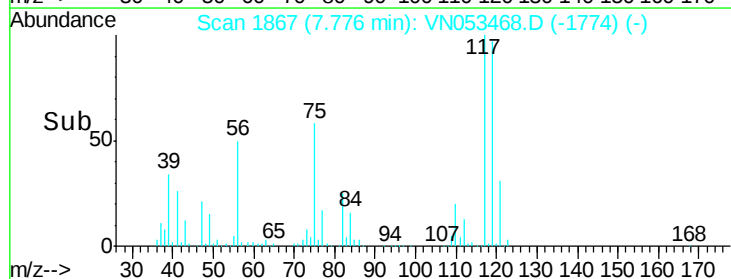
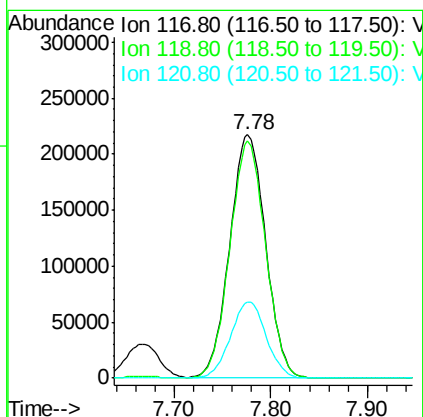
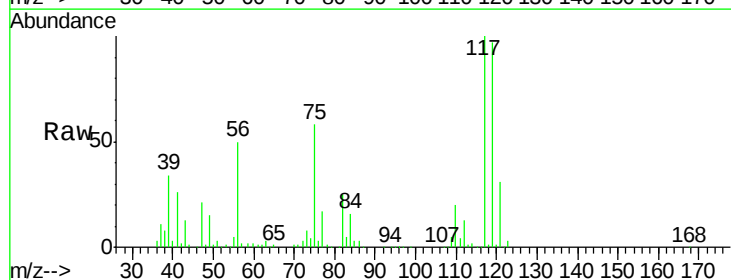
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

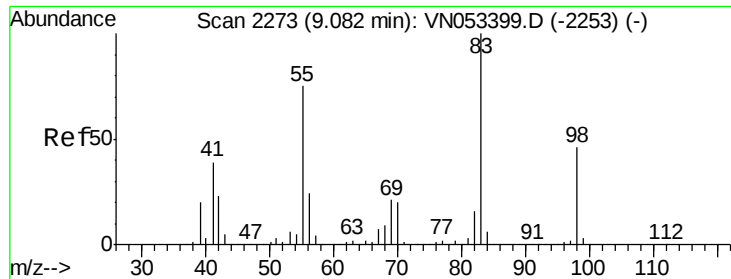
Tot Ion: 43 Resp: 354437
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 11.0 8.6 12.8



#38
Carbon Tetrachloride
Concen: 51.972 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 117 Resp: 559792
Ion Ratio Lower Upper
117 100
119 97.4 77.2 115.8
121 31.4 24.6 37.0

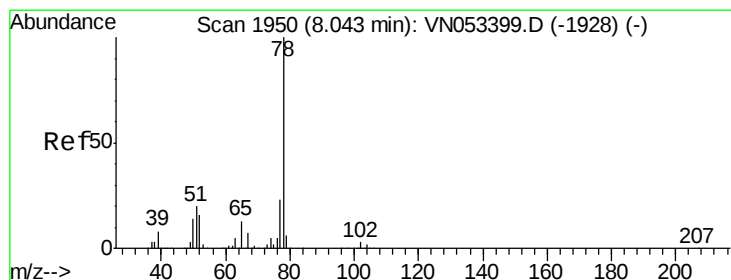
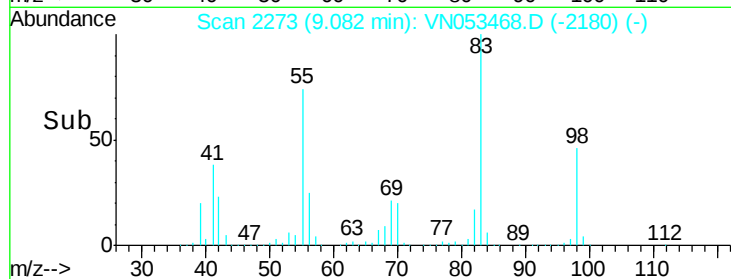
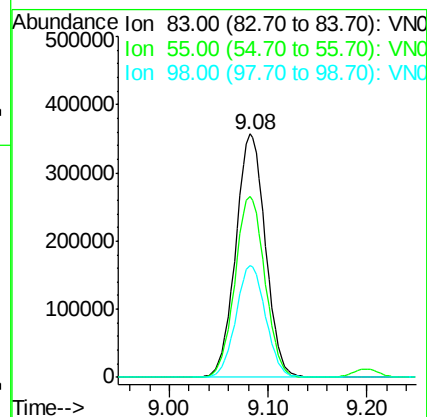
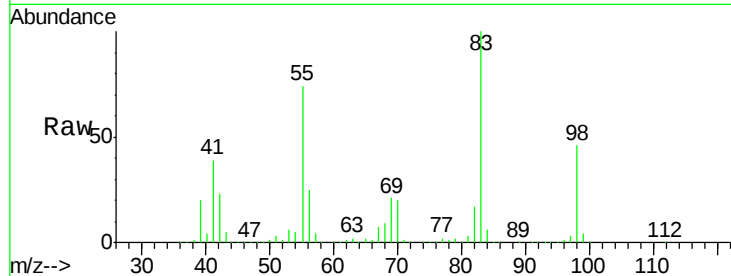




#39
Methvlcvclohexane
Concen: 53.072 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

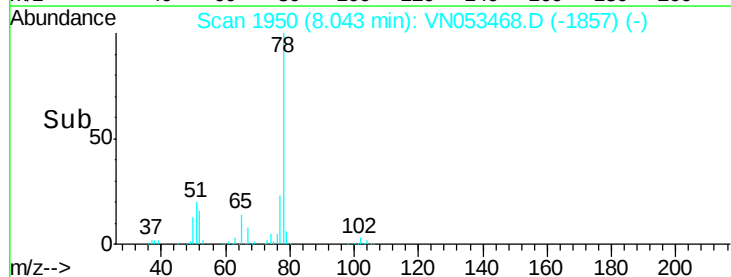
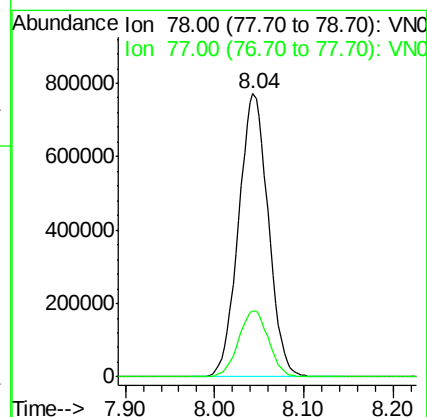
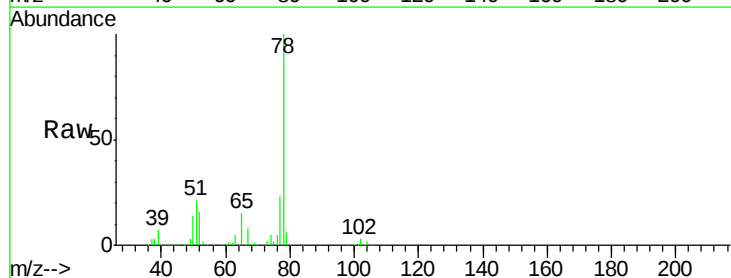
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

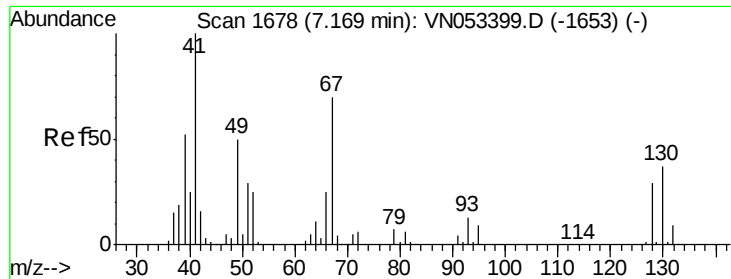
Tot Ion: 83 Resp: 746292
Ion Ratio Lower Upper
83 100
55 74.5 60.1 90.1
98 46.1 36.6 55.0



#40
Benzene
Concen: 51.550 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 78 Resp: 1782237
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





#41

Methacrylonitrile

Concen: 47.526 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 184720

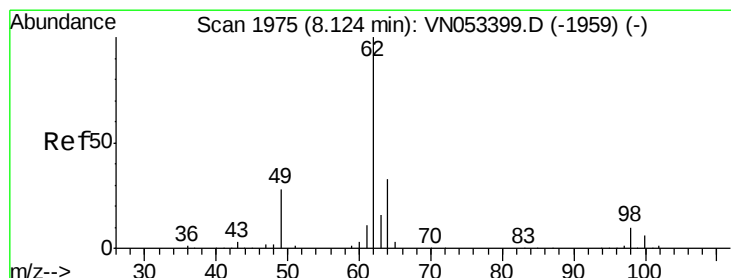
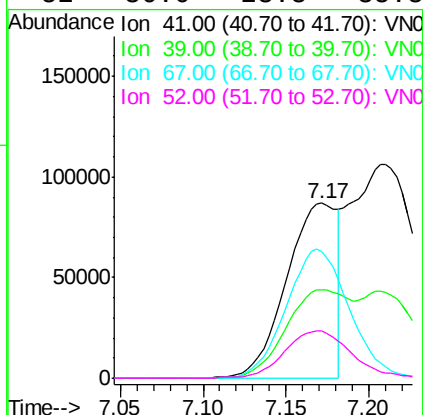
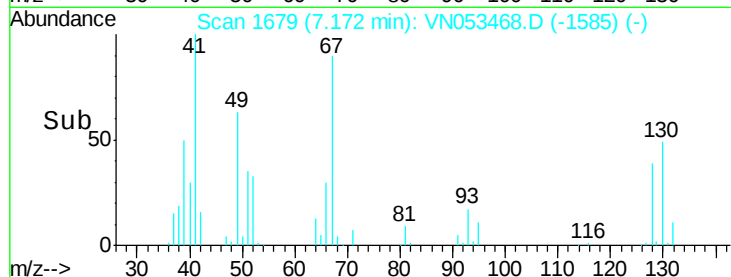
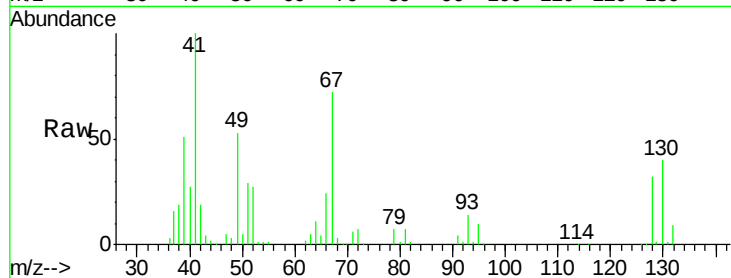
Ion Ratio Lower Upper

41 100

39 63.4 46.8 70.2

67 92.1 63.0 94.6

52 36.0 23.8 35.8#



#42

1,2-Dichloroethane

Concen: 52.031 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN053468.D

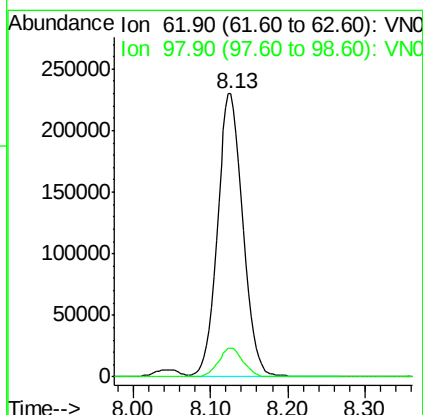
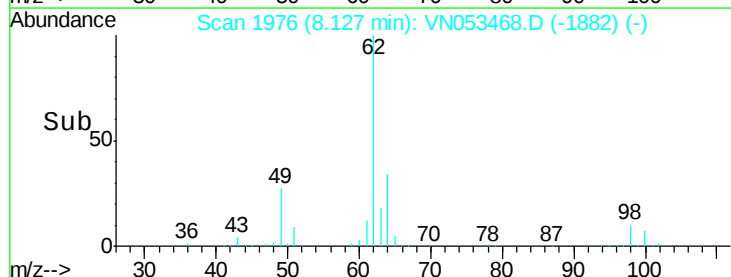
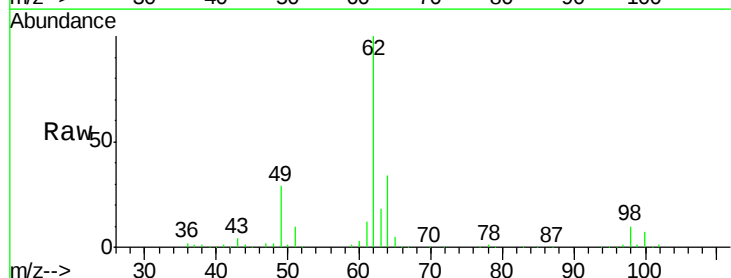
Acq: 18 Jan 2019 13:12

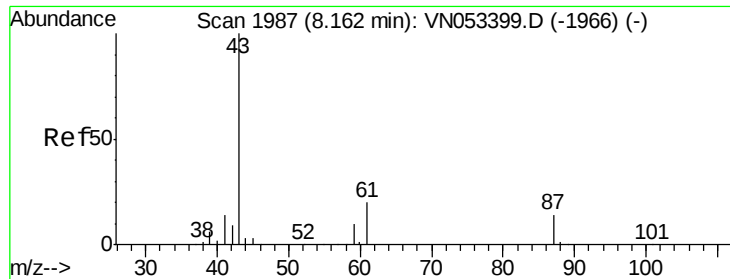
Tgt Ion: 62 Resp: 524063

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 54.120 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

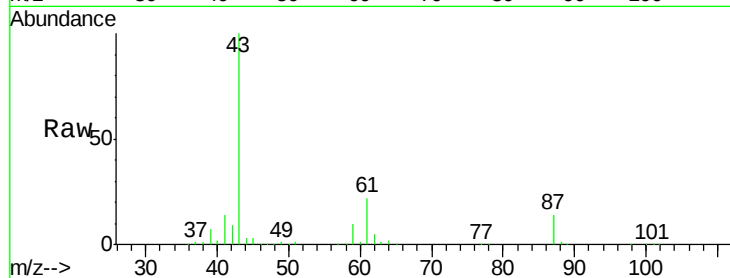
Tot Ion: 43 Resp: 636972

Ion Ratio Lower Upper

43 100

61 30.3 23.9 35.9

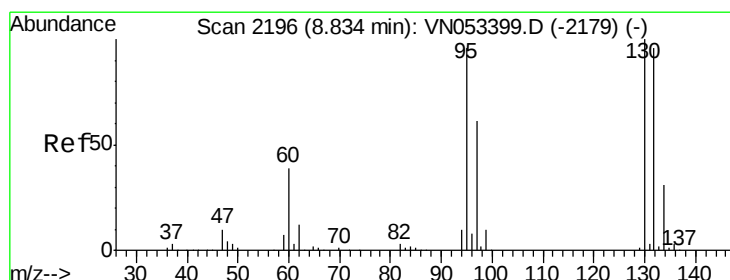
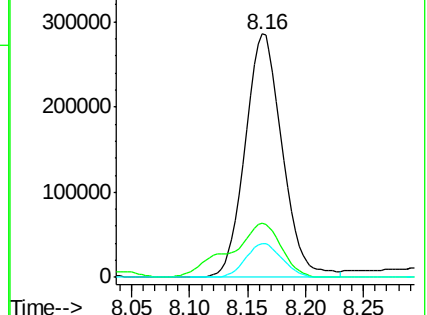
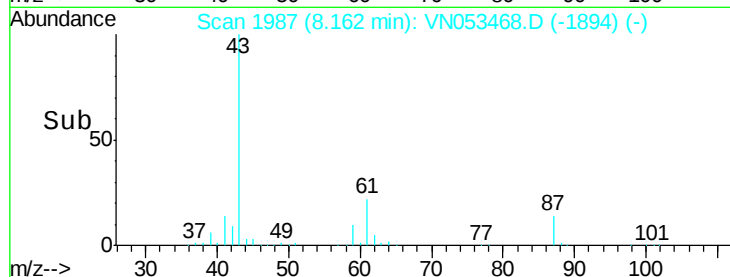
87 13.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN053399.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN053399.D (-1966) (-)



#44

Trichloroethene

Concen: 51.502 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053468.D

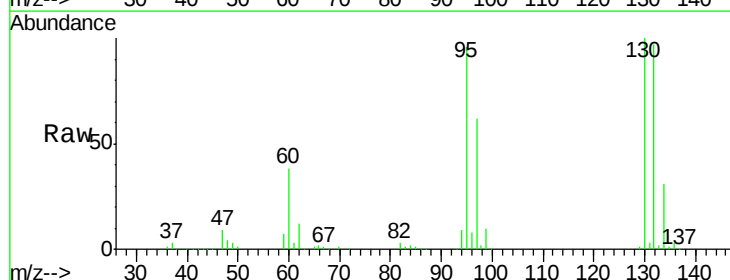
Acq: 18 Jan 2019 13:12

Tgt Ion:130 Resp: 493785

Ion Ratio Lower Upper

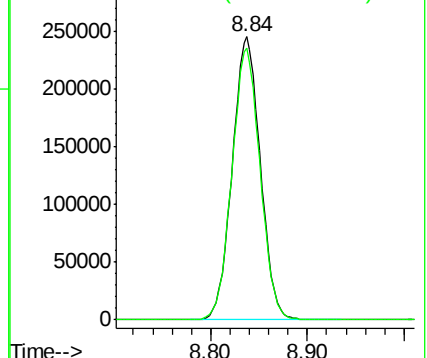
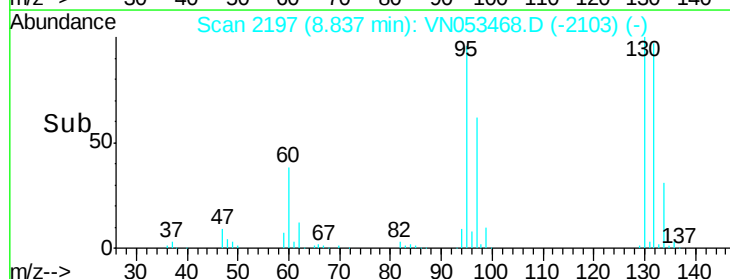
130 100

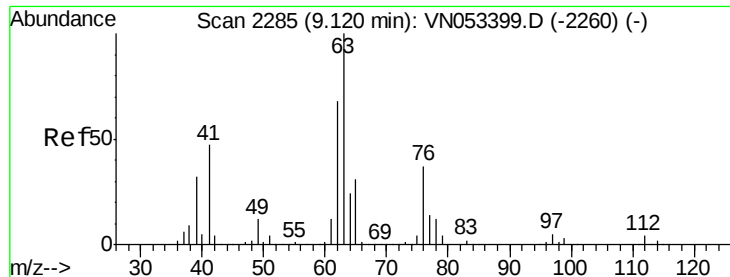
95 95.9 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053399.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053399.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 50.922 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

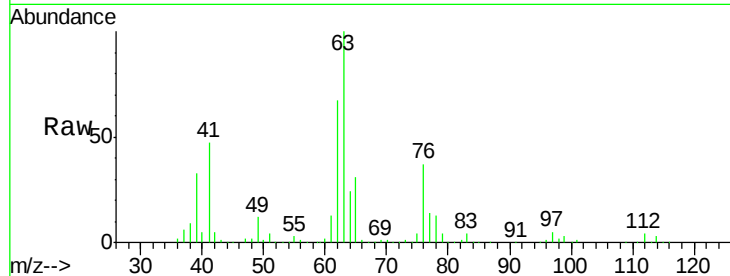
VSTDCCC050

Tot Ion: 63 Resp: 466306

Ion Ratio Lower Upper

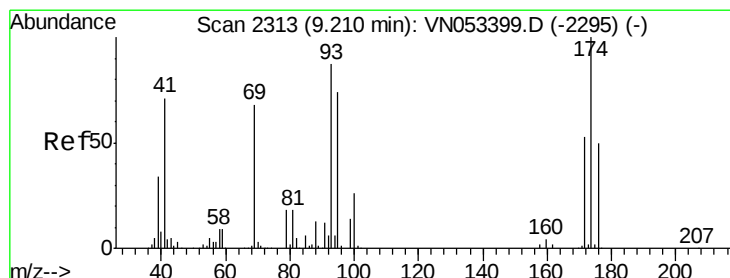
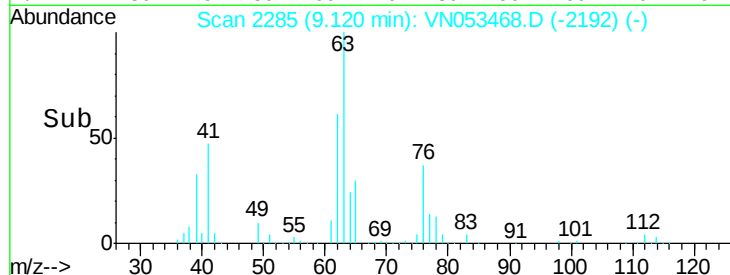
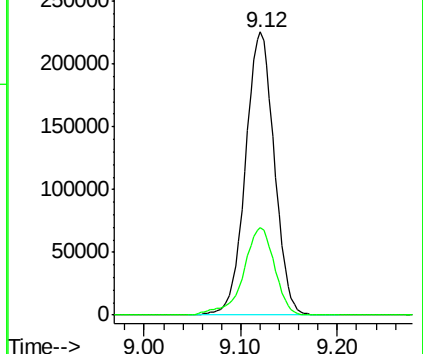
63 100

65 30.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.716 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

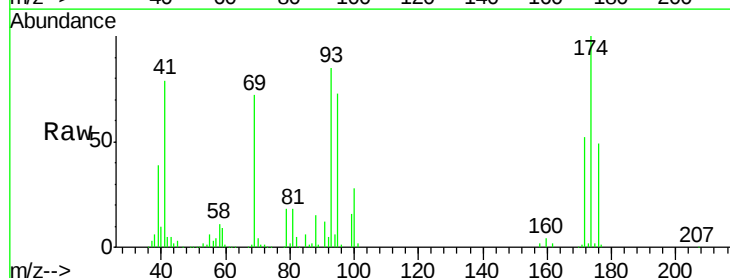
Tgt Ion: 93 Resp: 272090

Ion Ratio Lower Upper

93 100

95 83.6 67.3 100.9

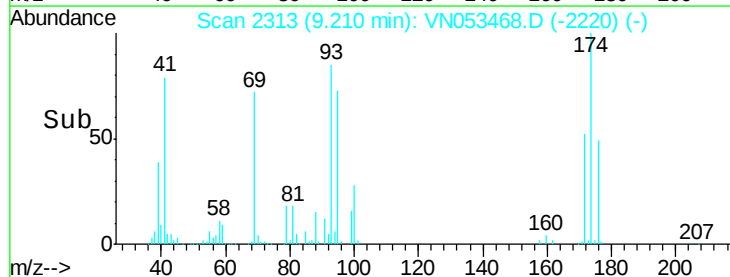
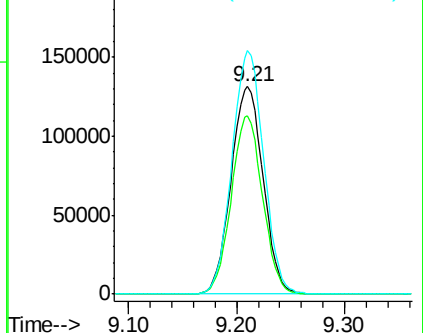
174 115.6 91.0 136.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

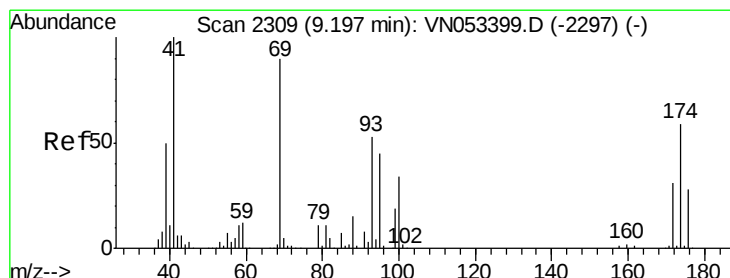
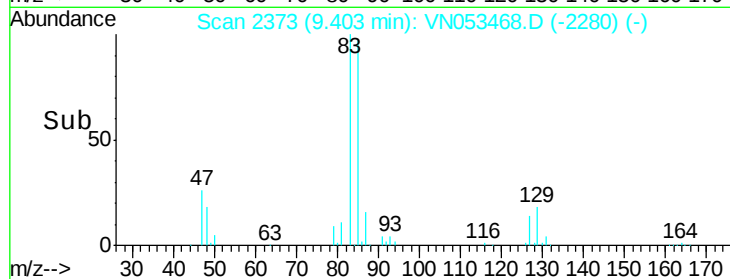
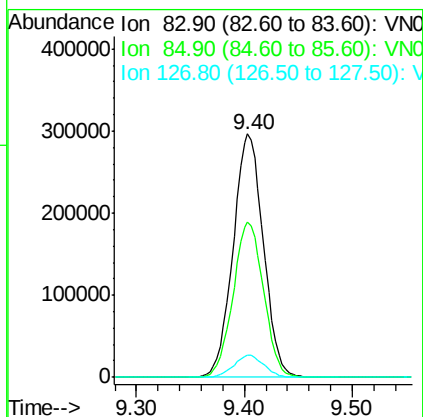
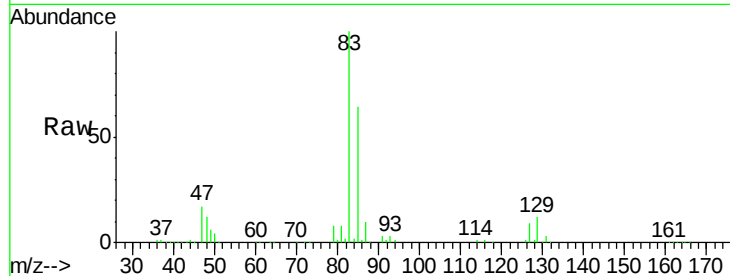




#47
Bromodichloromethane
Concen: 52.253 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

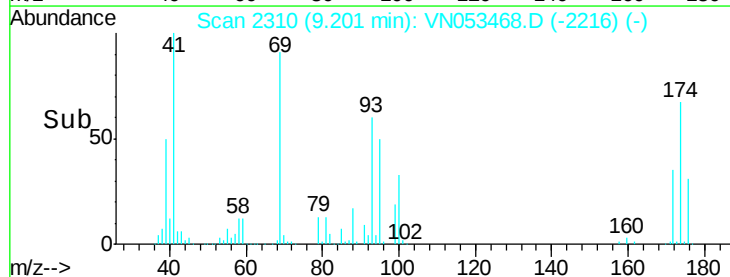
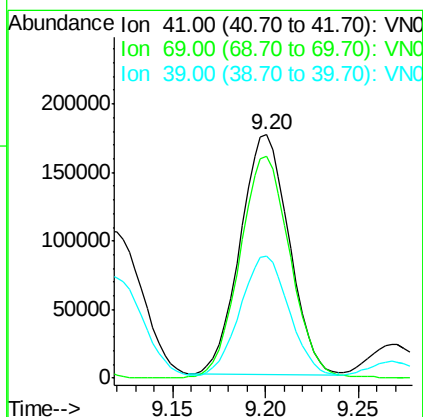
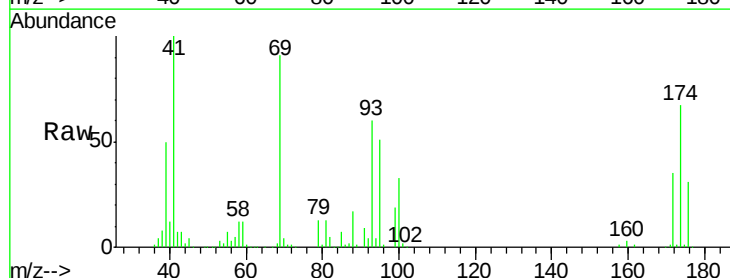
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

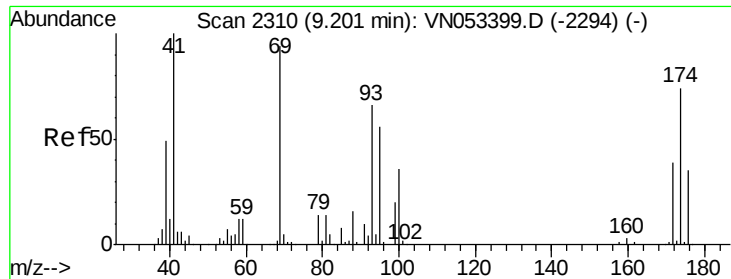
Tot Ion: 83 Resp: 578139
Ion Ratio Lower Upper
83 100
85 63.8 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 52.741 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 41 Resp: 320509
Ion Ratio Lower Upper
41 100
69 95.6 73.8 110.6
39 49.8 40.0 60.0





#49

1,4-Dioxane

Concen: 1048.286 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

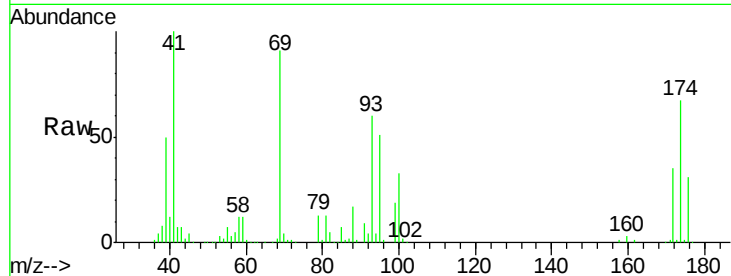
Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 62215

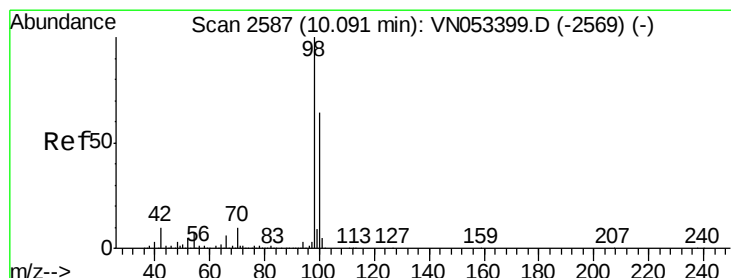
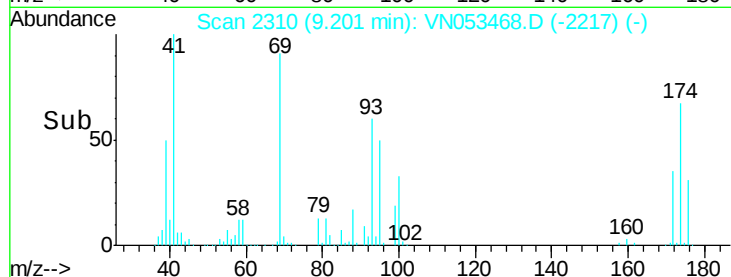
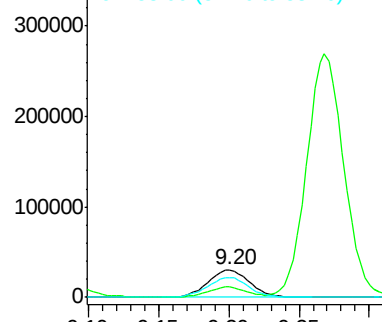
Ion	Ratio	Lower	Upper
88	100		
43	34.5	27.8	41.6
58	72.4	56.5	84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053399.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053399.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053399.D (-2294) (-)



#50

Toluene-d8

Concen: 1048.286 ug/l

RT: 10.09 min Scan# 2587

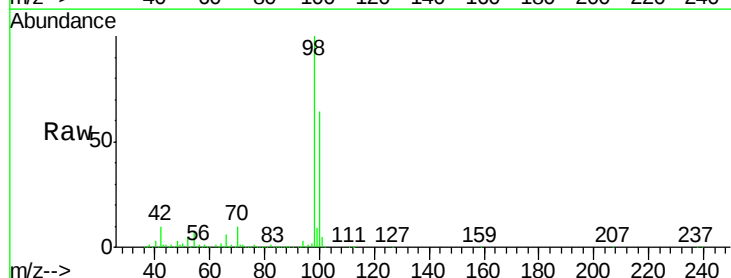
Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

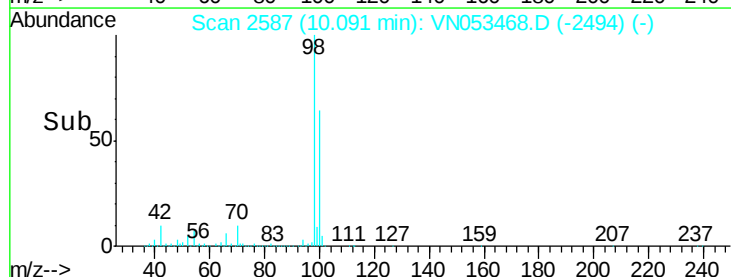
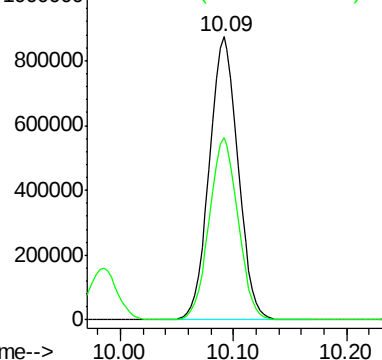
Tgt Ion: 98 Resp: 1543832

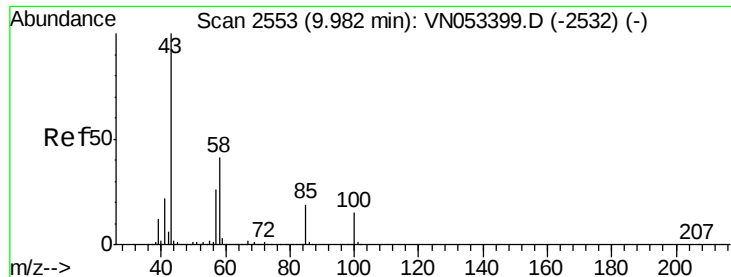
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN053399.D (-2569) (-)

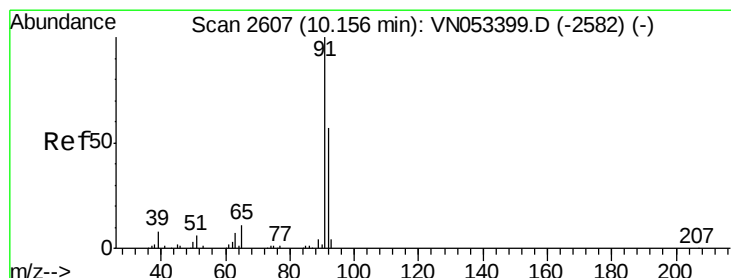
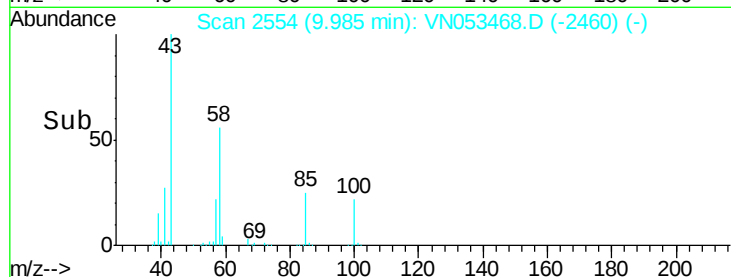
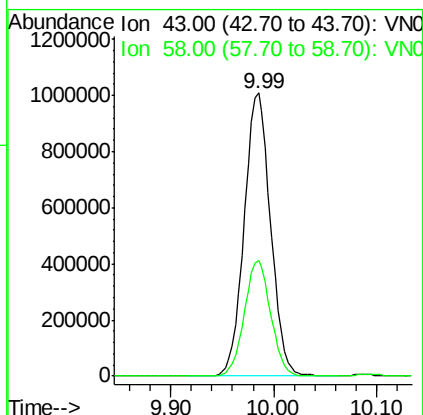
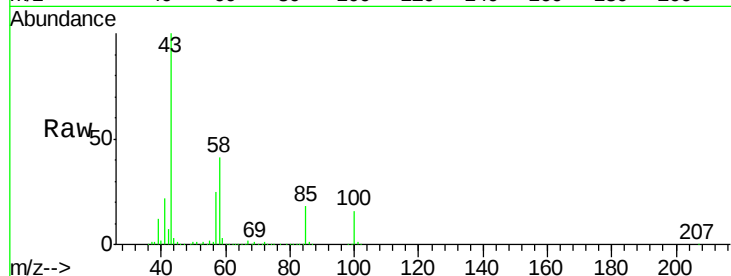




#51
 4-Methyl-2-Pentanone
 Concen: 277.614 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

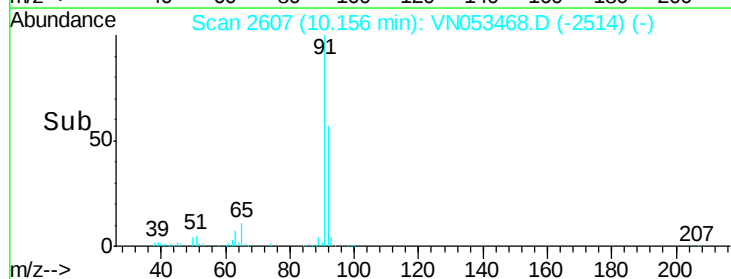
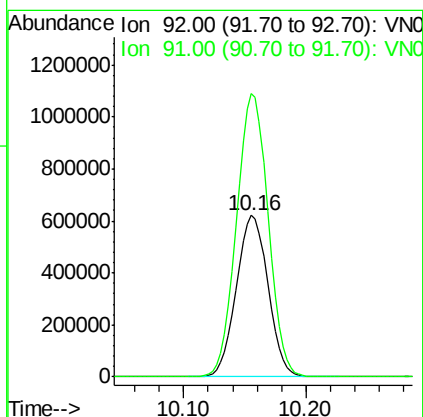
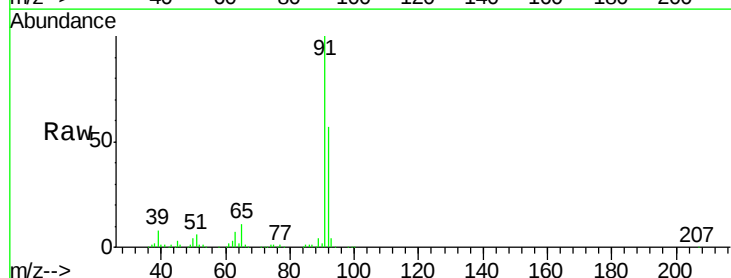
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

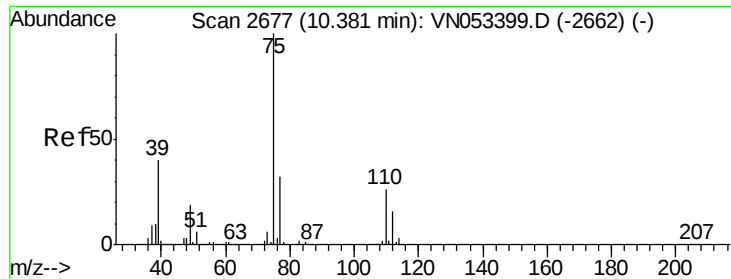
Tot Ion: 43 Resp: 1783673
 Ion Ratio Lower Upper
 43 100
 58 40.9 32.8 49.2



#52
 Toluene
 Concen: 51.921 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 92 Resp: 1114409
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 53.699 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

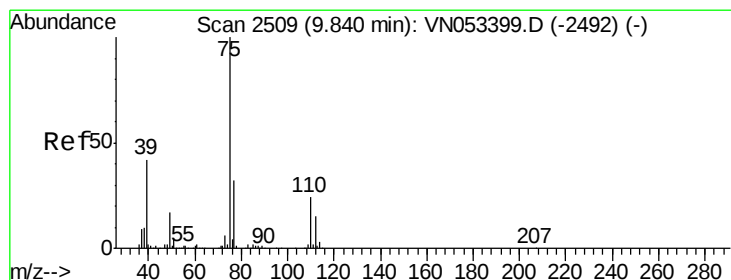
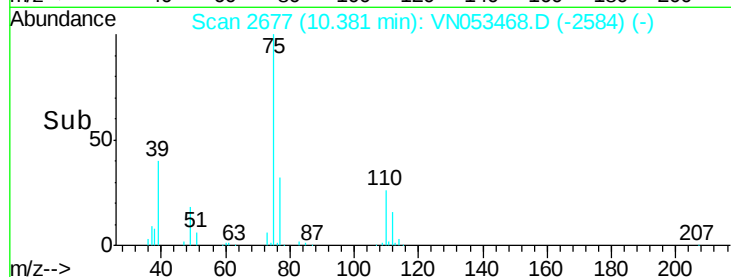
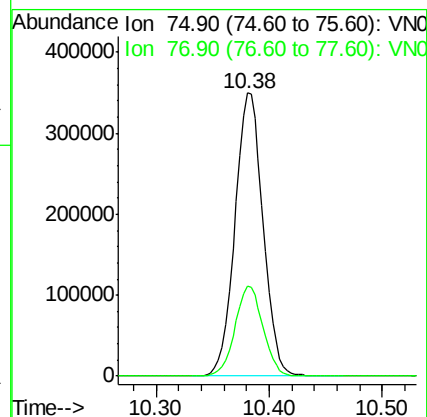
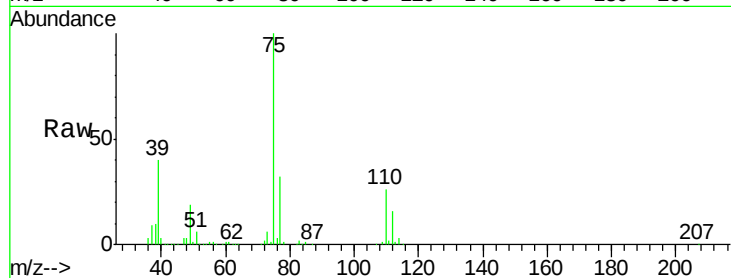
VSTDCCC050

Tot Ion: 75 Resp: 602219

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 52.708 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

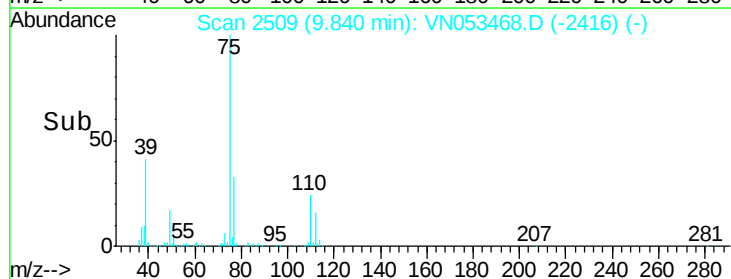
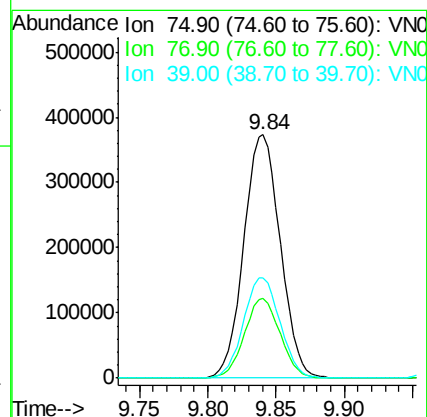
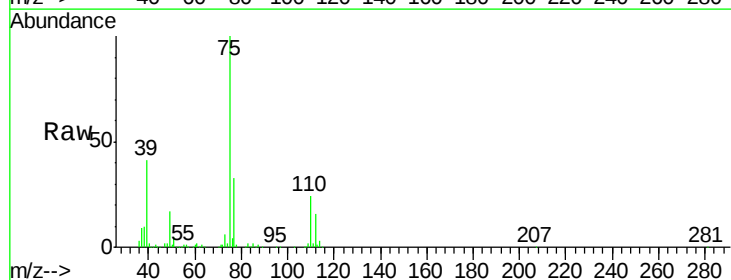
Tgt Ion: 75 Resp: 692925

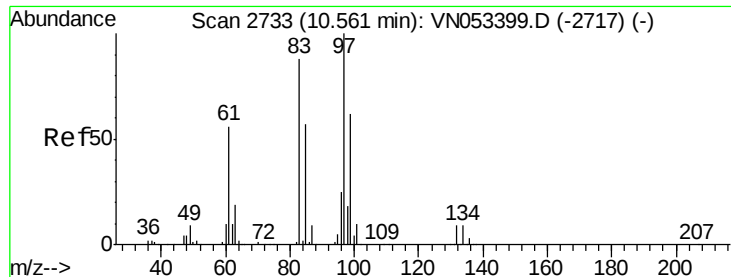
Ion Ratio Lower Upper

75 100

77 32.7 25.8 38.6

39 41.2 33.4 50.0

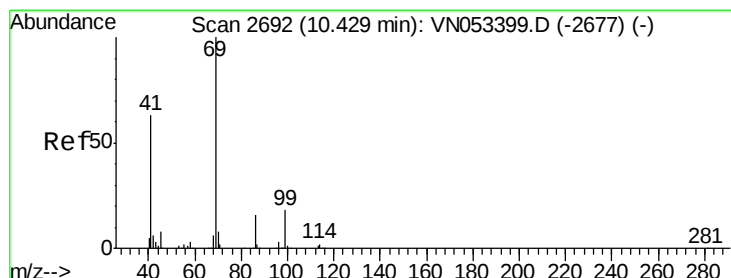
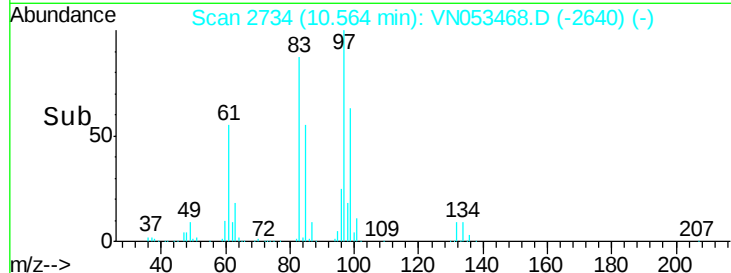
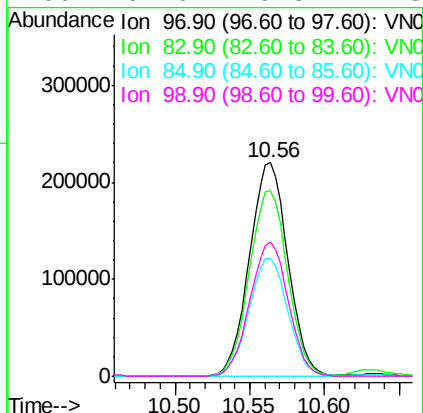
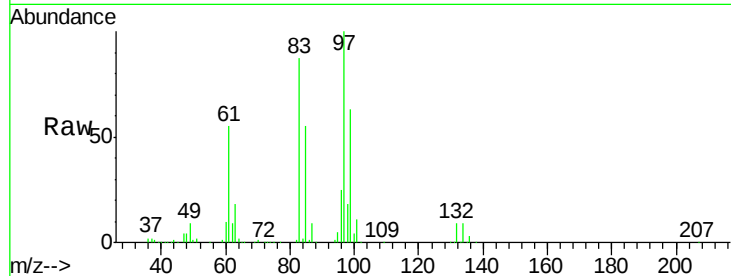




#55
 1,1,2-Trichloroethane
 Concen: 53.238 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

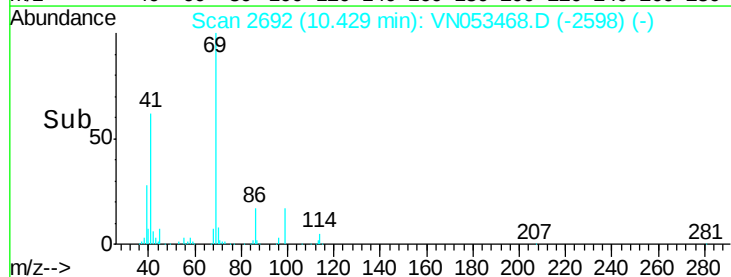
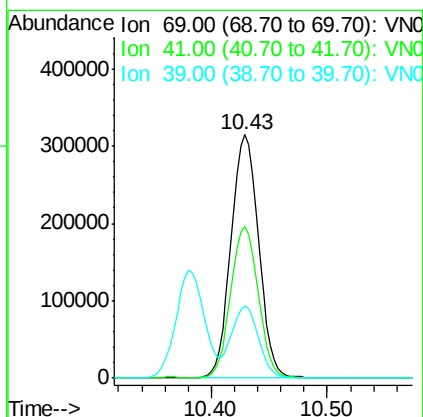
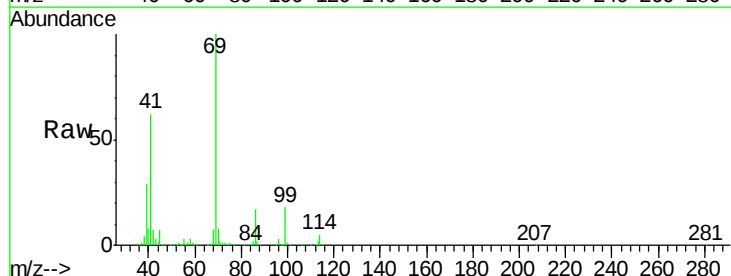
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

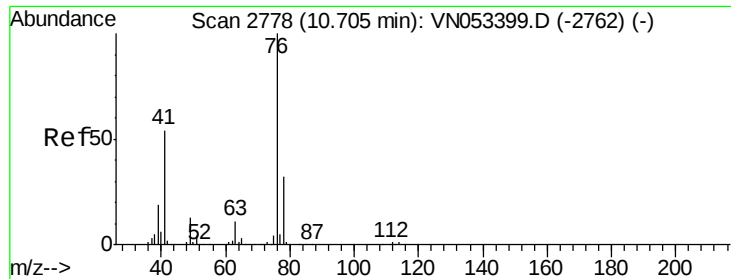
Tot Ion: 97 Resp: 393958
 Ion Ratio Lower Upper
 97 100
 83 87.0 70.1 105.1
 85 55.0 45.4 68.0
 99 62.6 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 49.528 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 69 Resp: 519917
 Ion Ratio Lower Upper
 69 100
 41 61.8 49.4 74.0
 39 29.3 23.3 34.9

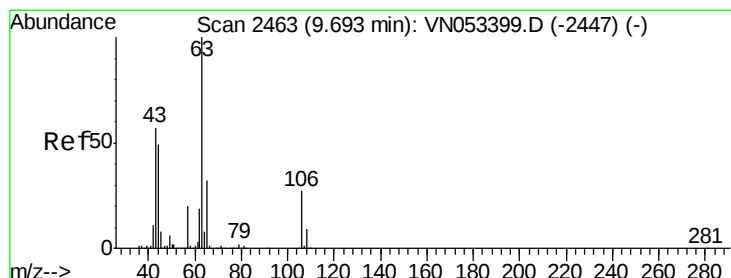
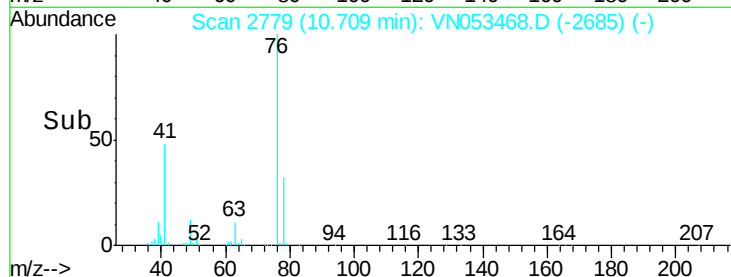
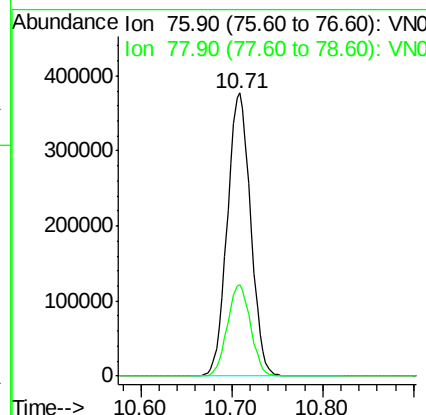
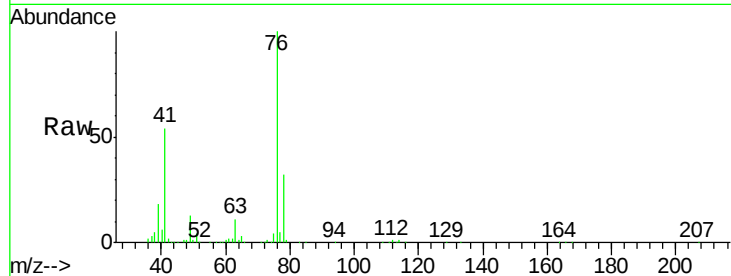




#57
 1,3-Dichloropropane
 Concen: 52.374 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

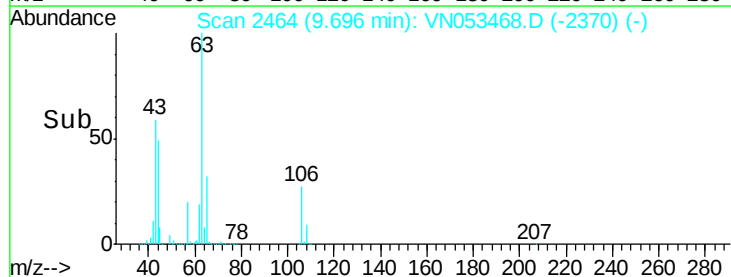
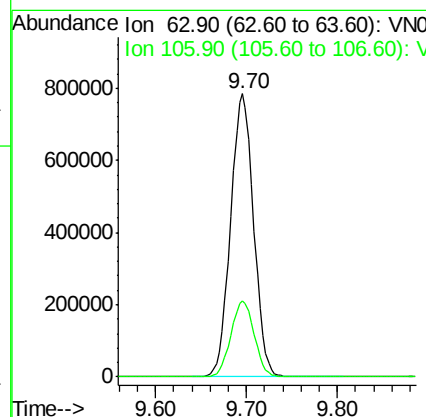
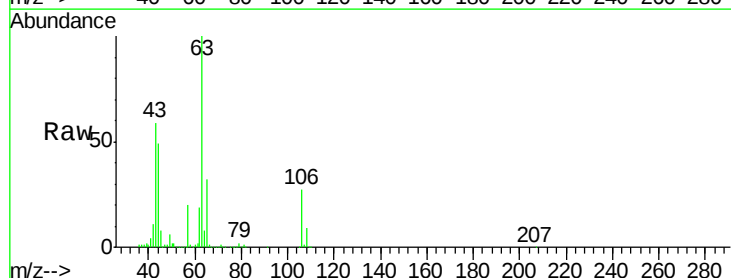
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

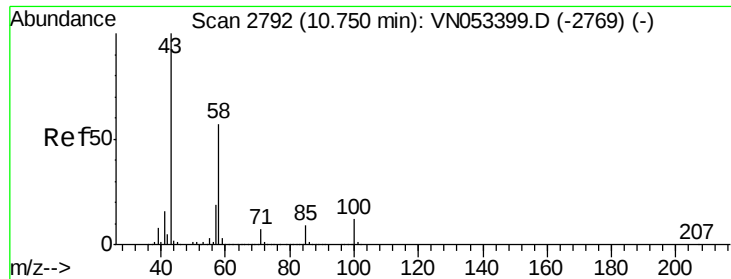
Tot Ion: 76 Resp: 670438
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 265.847 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 63 Resp: 1376256
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.5 32.3

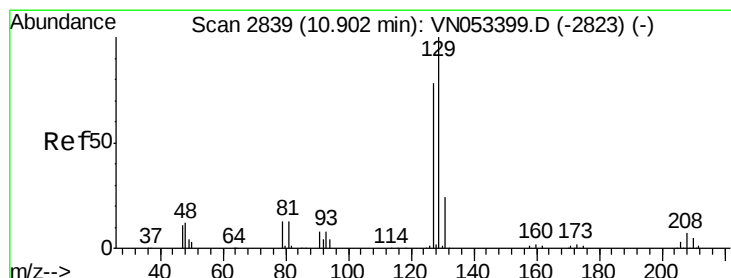
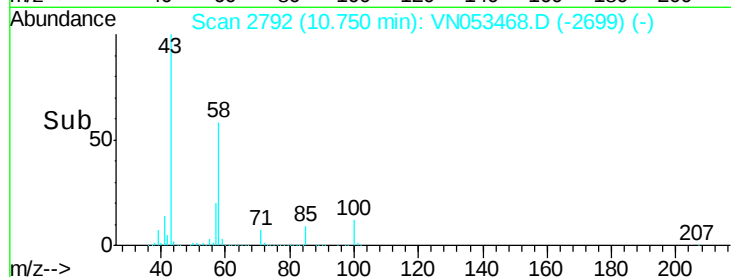
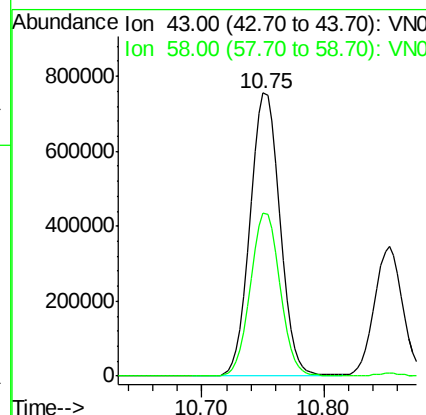
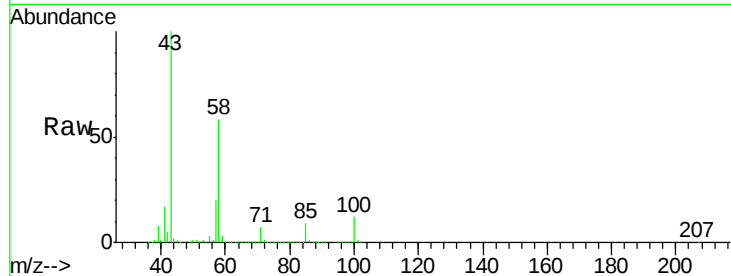




#59
2-Hexanone
Concen: 281.231 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

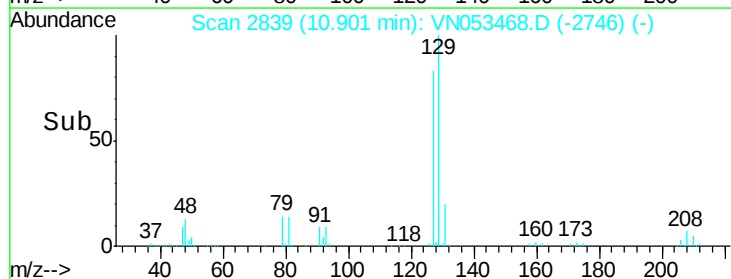
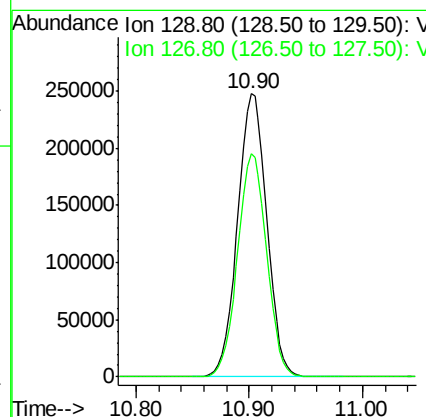
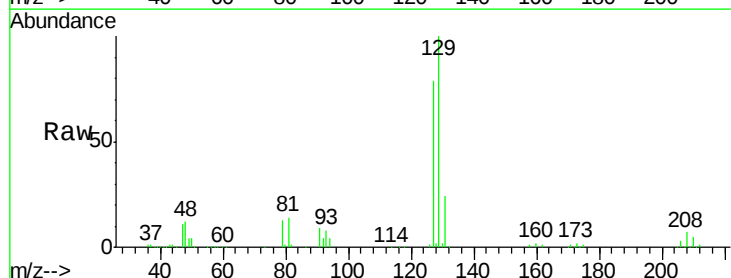
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

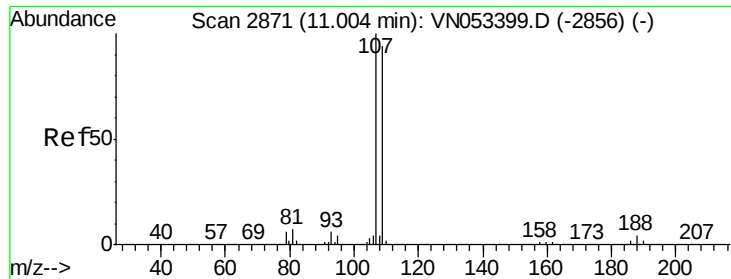
Tot Ion: 43 Resp: 1268434
Ion Ratio Lower Upper
43 100
58 57.4 28.6 85.8



#60
Dibromochloromethane
Concen: 53.202 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 129 Resp: 446529
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8

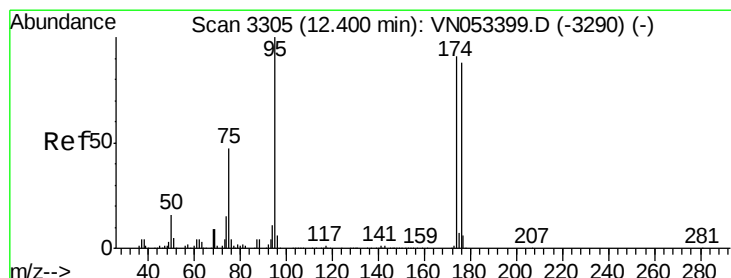
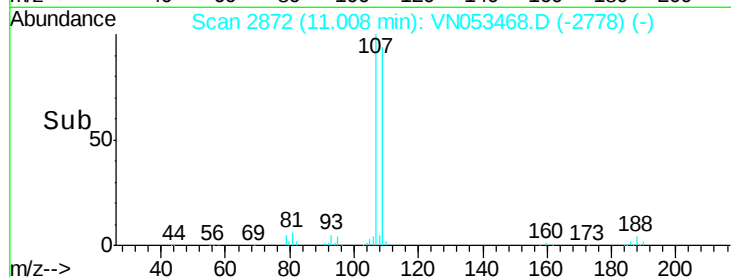
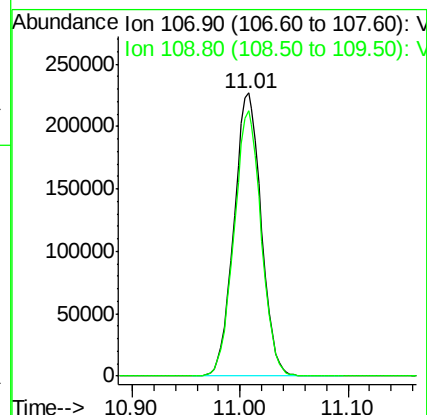
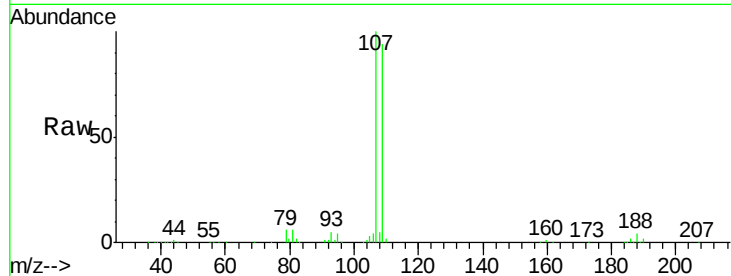




#61
 1,2-Dibromoethane
 Concen: 53.324 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

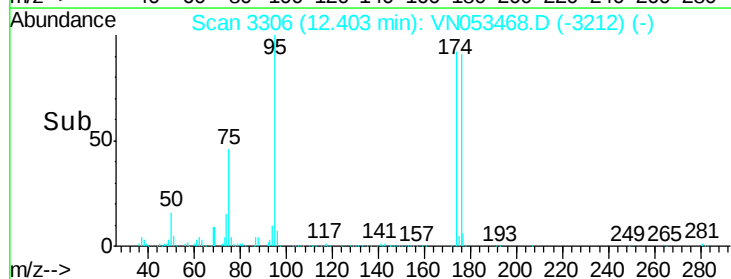
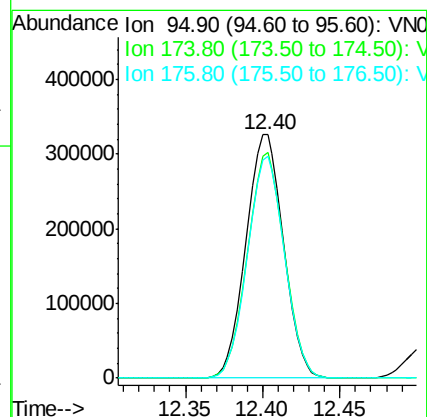
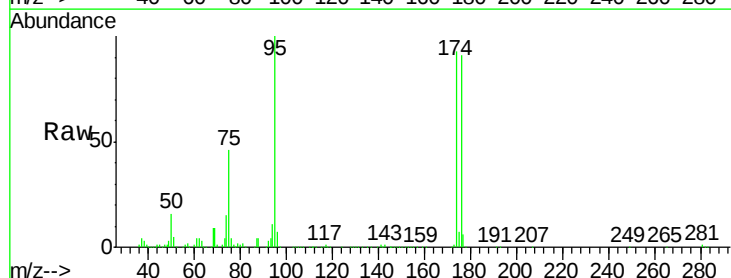
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

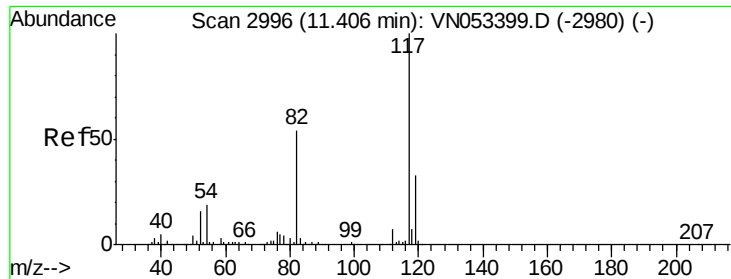
Tot Ion: 107 Resp: 399075
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 53.324 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 95 Resp: 550935
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.2
 176 90.1 0.0 177.4

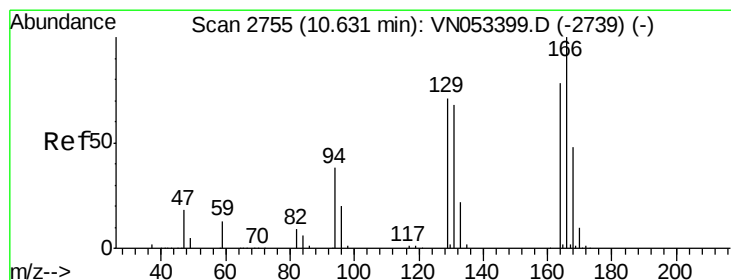
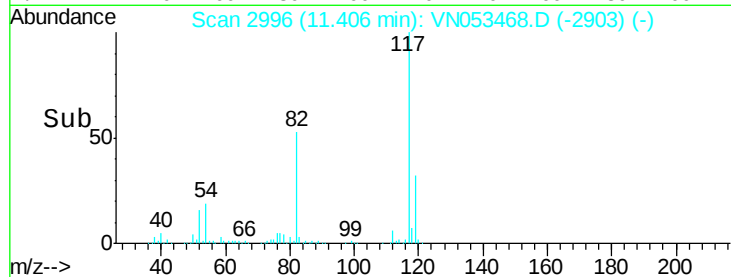
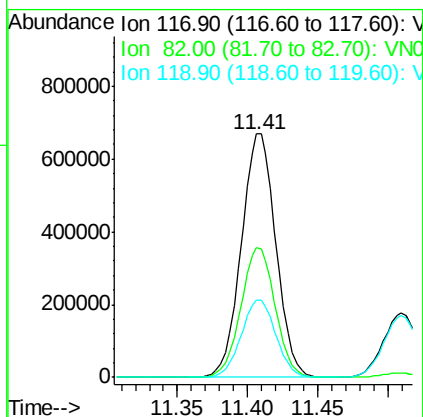
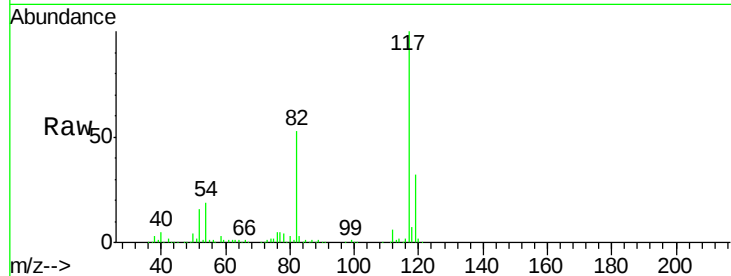




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

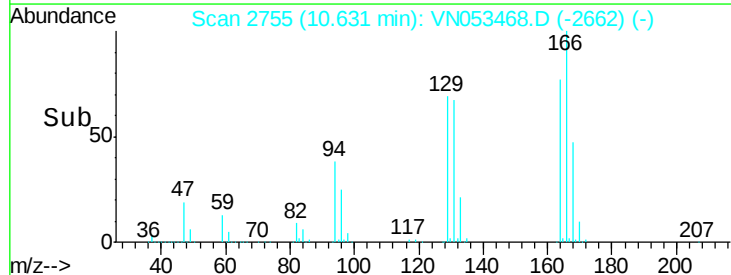
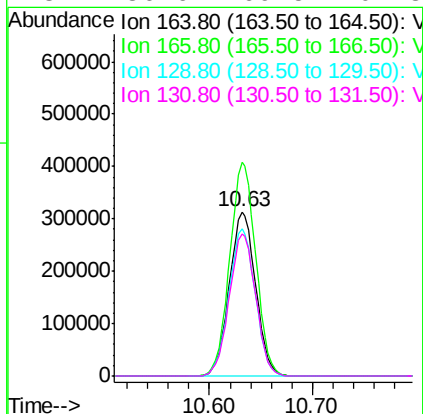
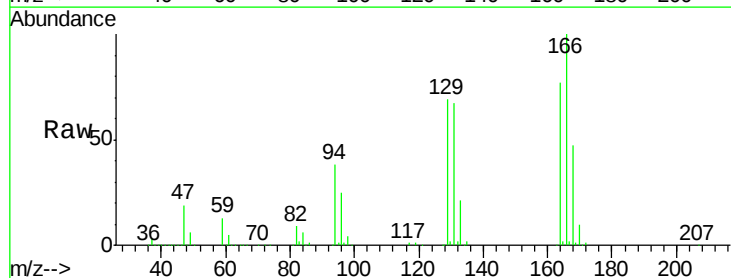
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

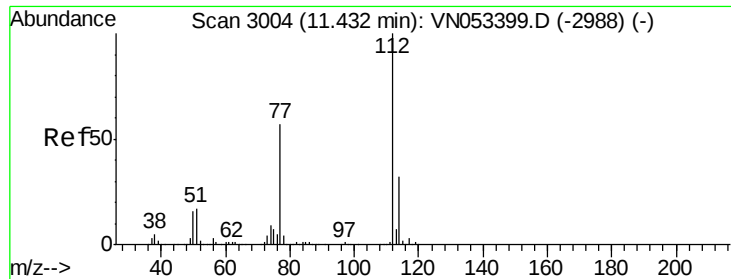
Tot Ion:117 Resp: 1146703
Ion Ratio Lower Upper
117 100
82 53.4 42.9 64.3
119 31.7 26.0 39.0



#64
Tetrachloroethene
Concen: 51.461 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion:164 Resp: 556114
Ion Ratio Lower Upper
164 100
166 130.0 102.2 153.4
129 89.9 72.6 109.0
131 86.6 69.5 104.3





#65

Chlorobenzene

Concen: 51.935 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

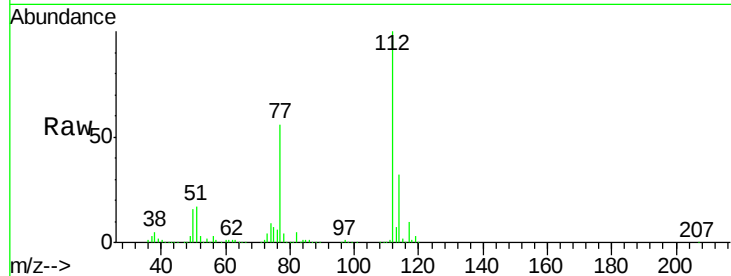
VSTDCCC050

Tot Ion:112 Resp: 1260547

Ion Ratio Lower Upper

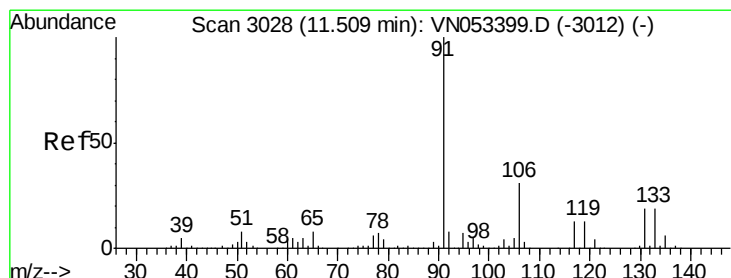
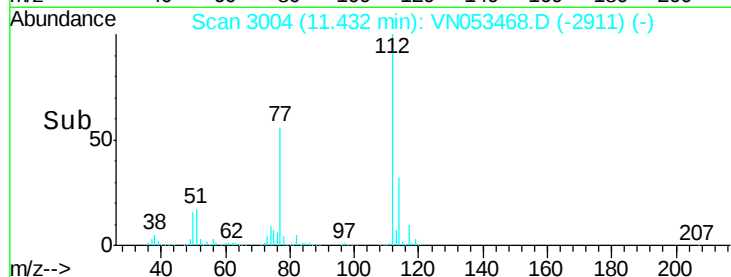
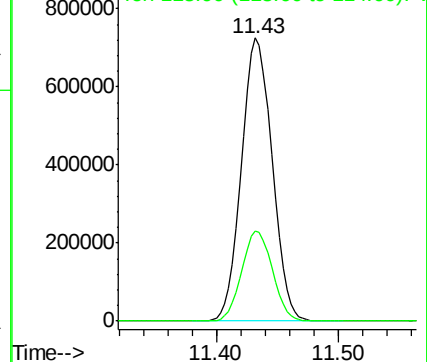
112 100

114 31.9 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.400 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

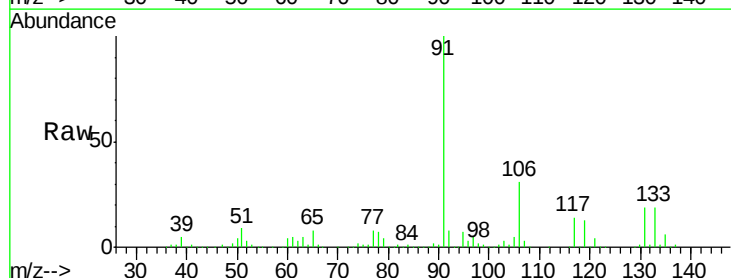
Tgt Ion:131 Resp: 442457

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.0

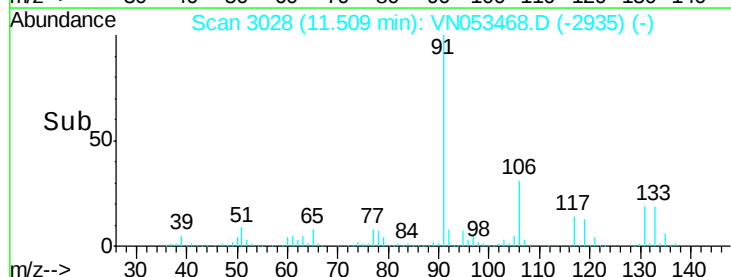
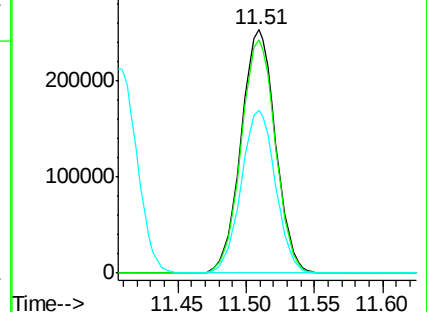
119 66.6 33.5 100.5

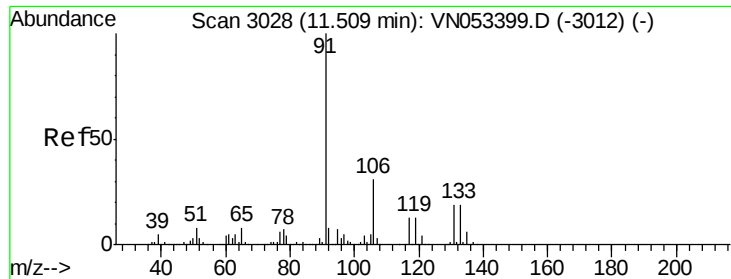


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

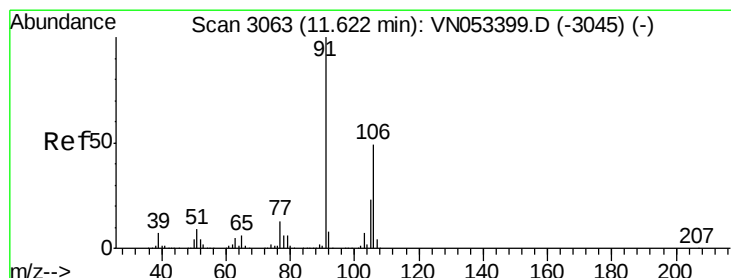
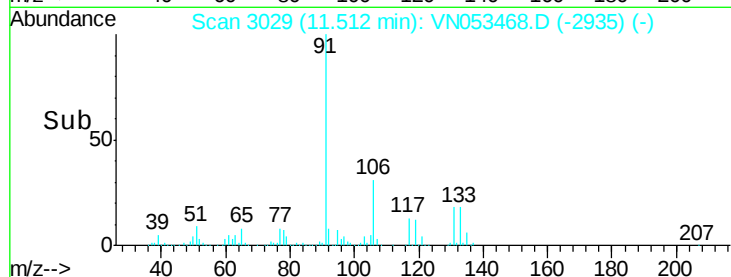
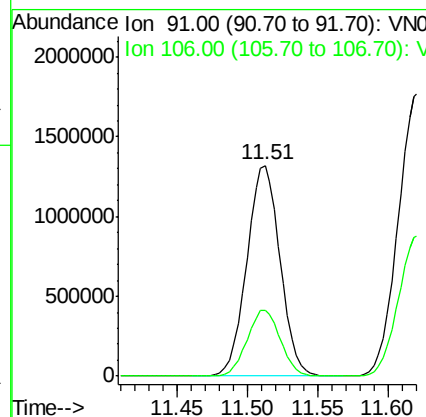
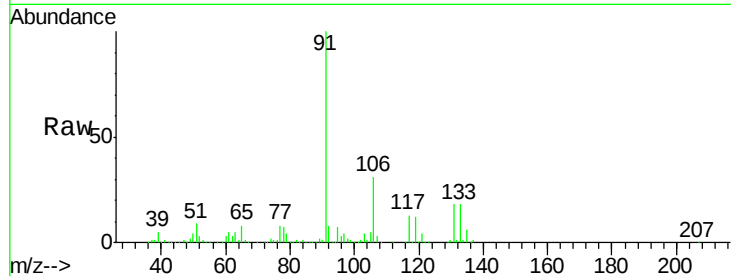




#67
Ethyl Benzene
Concen: 52.636 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

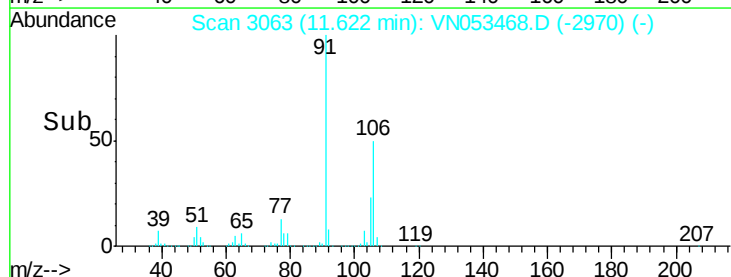
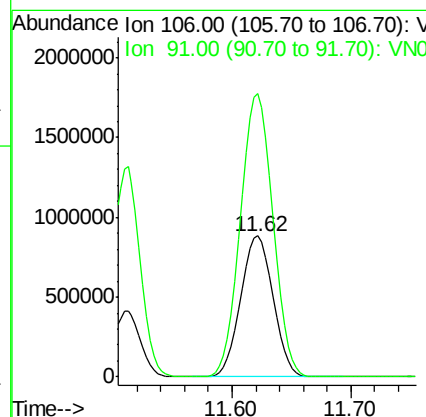
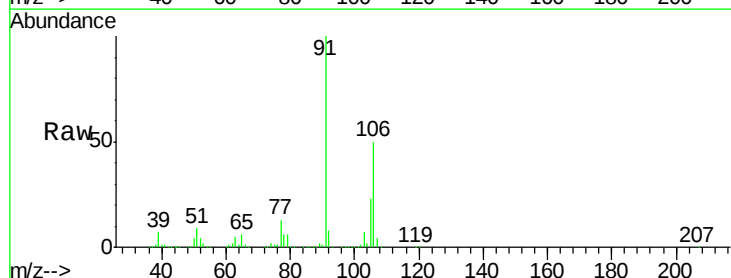
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

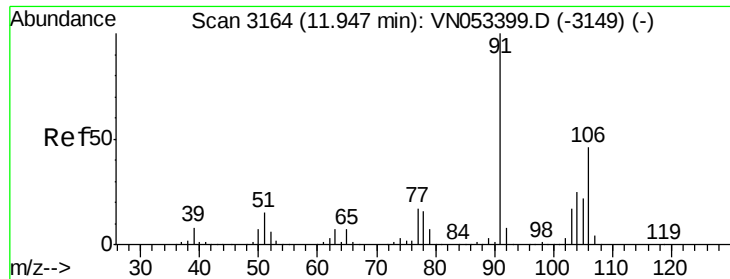
Tot Ion: 91 Resp: 2177290
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 107.035 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 106 Resp: 1671635
Ion Ratio Lower Upper
106 100
91 201.3 161.4 242.2

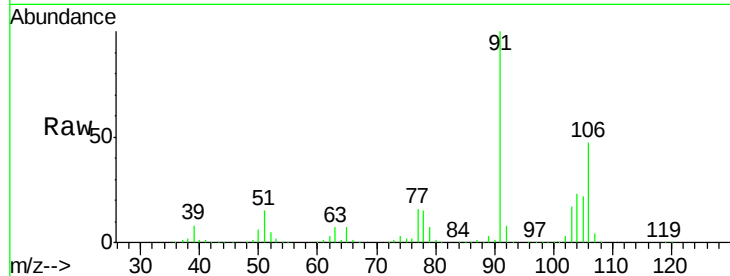




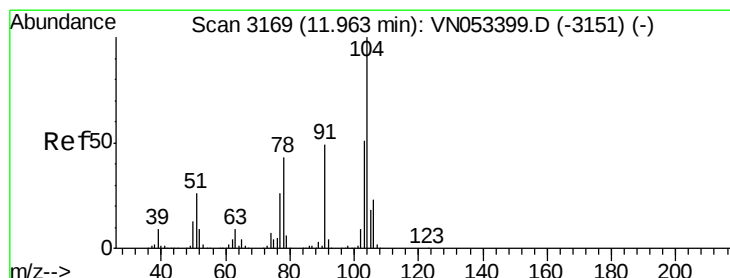
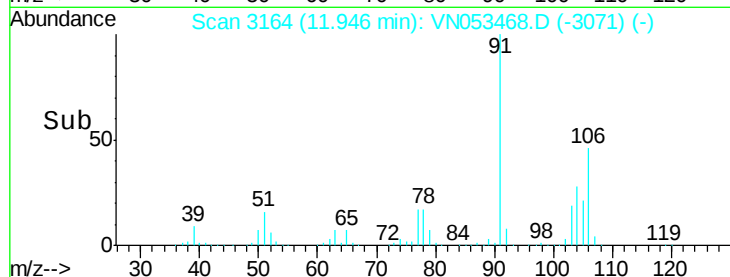
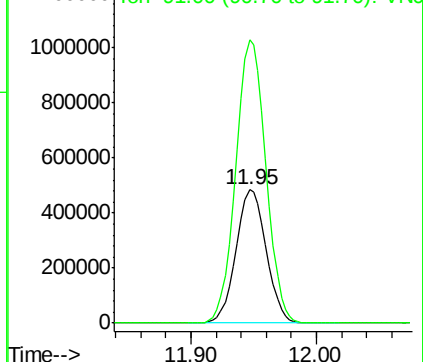
#69
o-Xylene
Concen: 53.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 807697
Ion Ratio Lower Upper
106 100
91 212.0 106.9 320.8

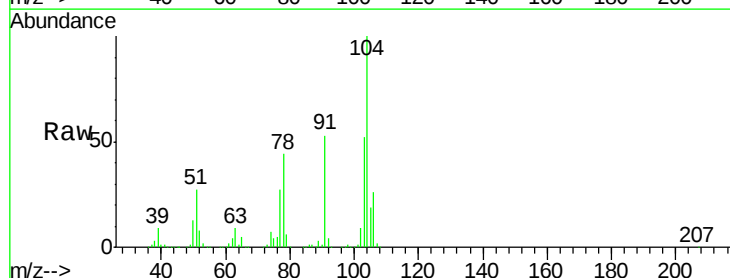


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

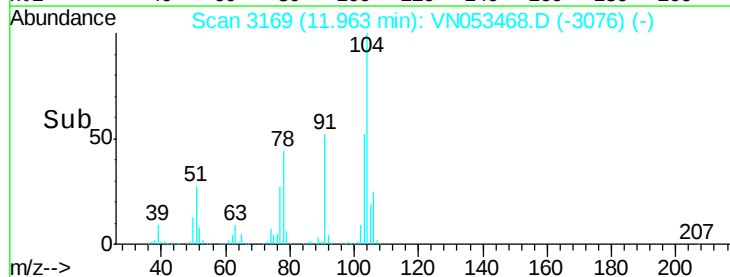
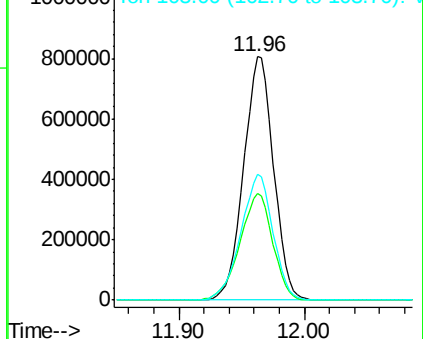


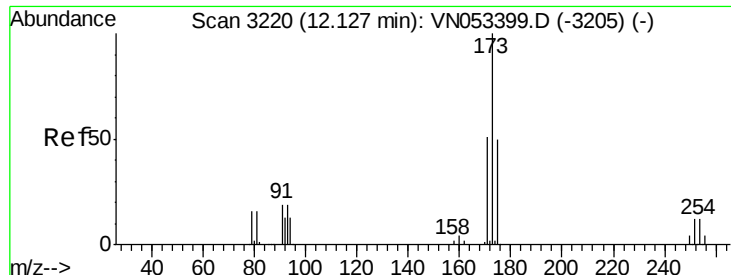
#70
Styrene
Concen: 54.377 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion:104 Resp: 1339269
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.4 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.757 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

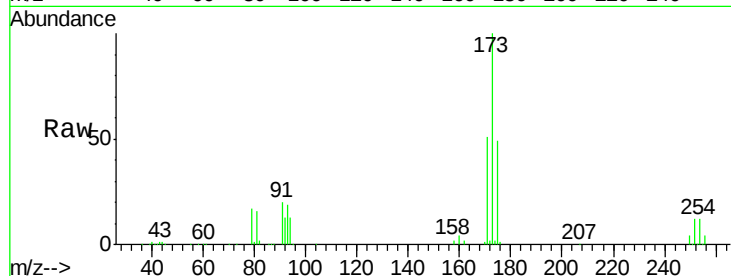
Tot Ion:173 Resp: 318309

Ion Ratio Lower Upper

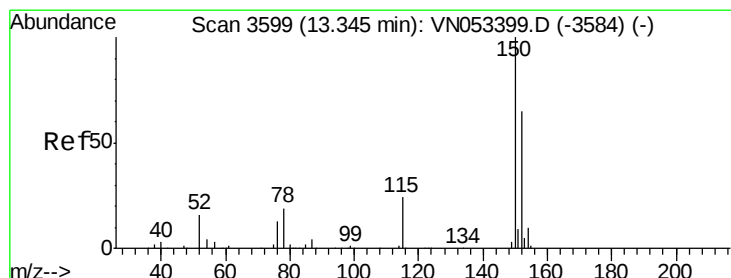
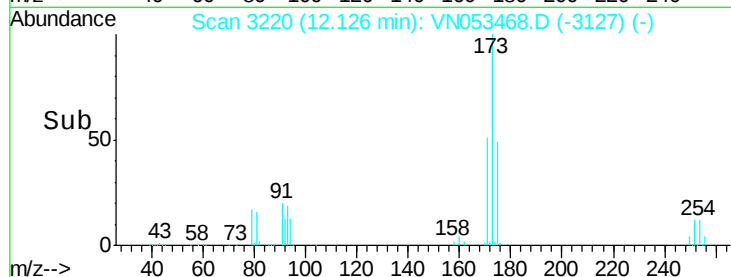
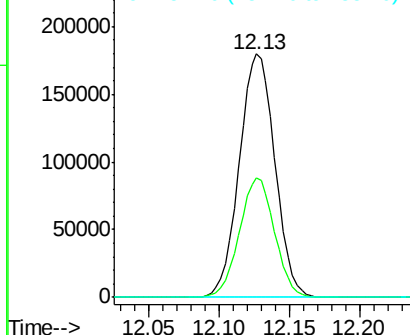
173 100

175 48.3 24.6 74.0

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

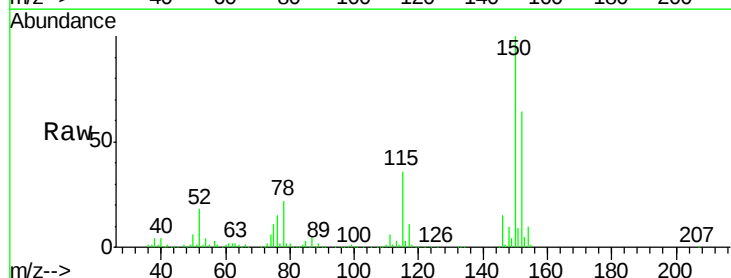
Tgt Ion:152 Resp: 577356

Ion Ratio Lower Upper

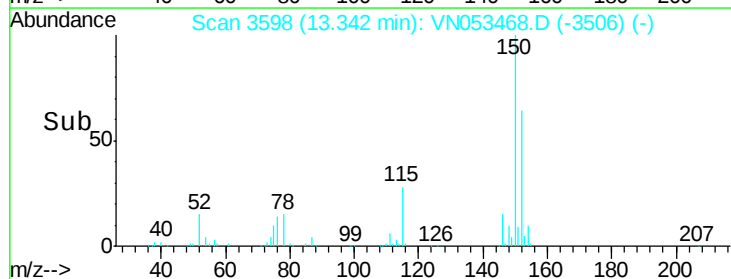
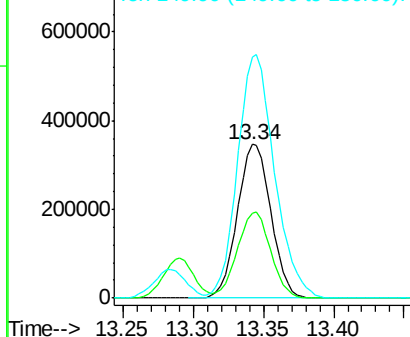
152 100

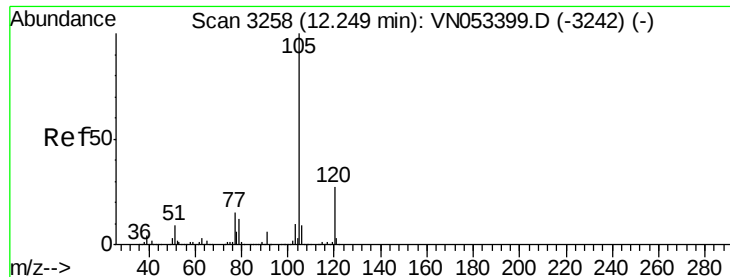
115 55.6 27.8 83.4

150 174.4 0.0 349.0



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: 51.623 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

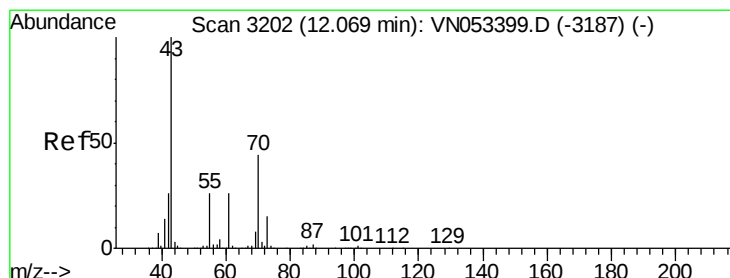
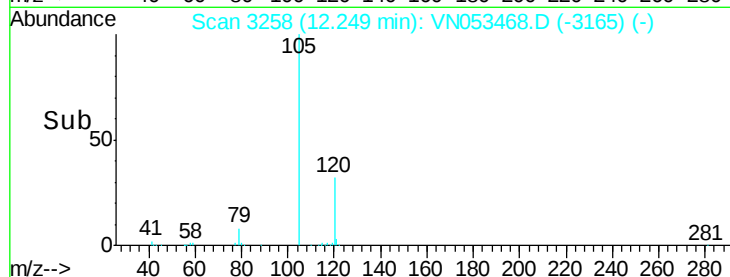
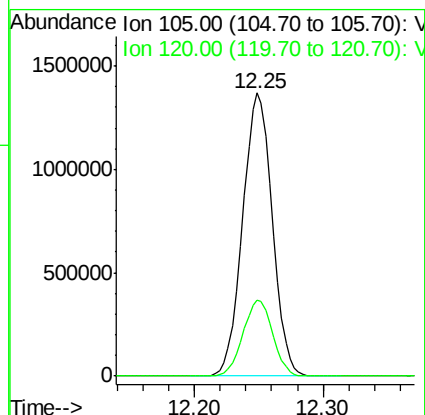
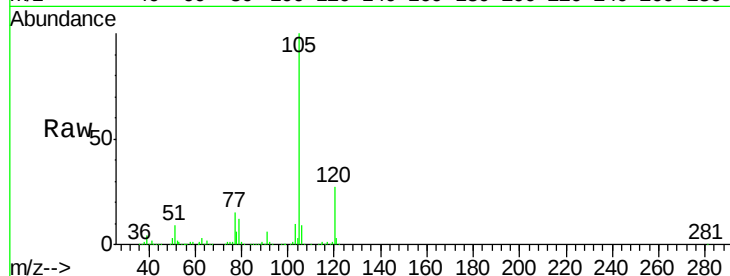
VSTDCCC050

Tot Ion:105 Resp: 2182628

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 52.866 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion: 43 Resp: 595847

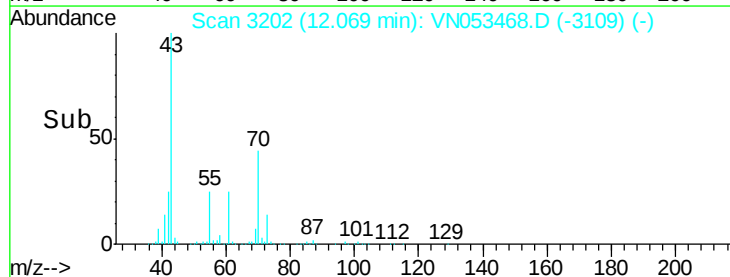
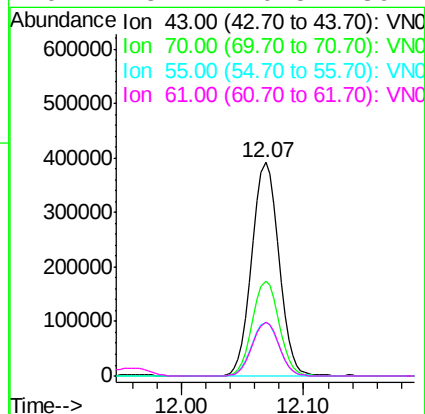
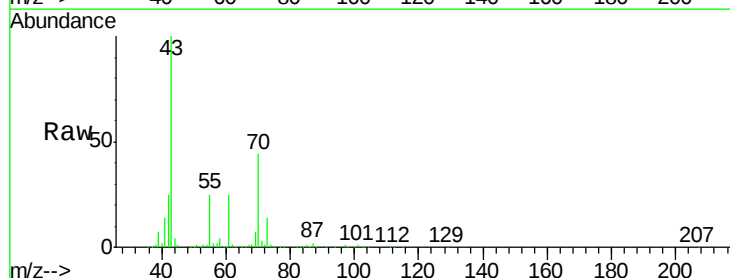
Ion Ratio Lower Upper

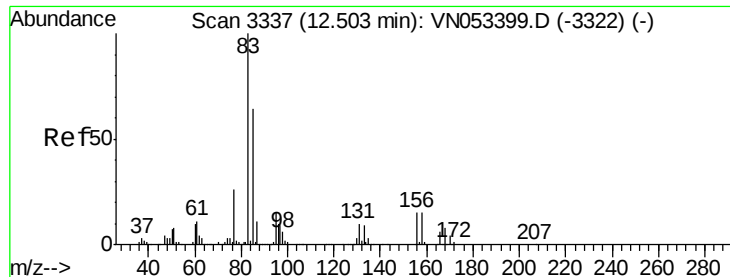
43 100

70 44.5 35.4 53.2

55 25.9 20.9 31.3

61 25.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 51.778 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

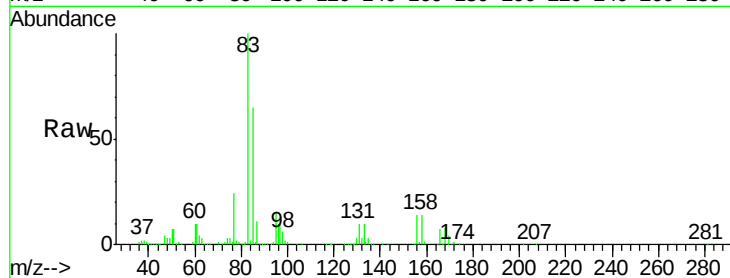
Tot Ion: 83 Resp: 459132

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

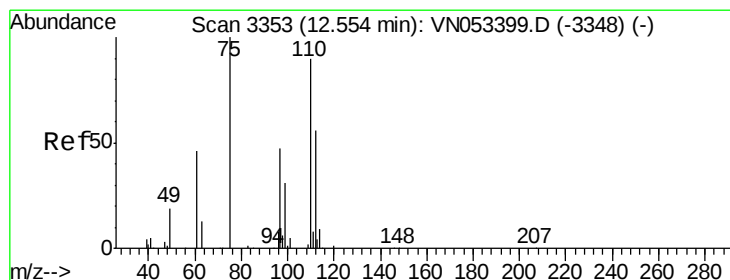
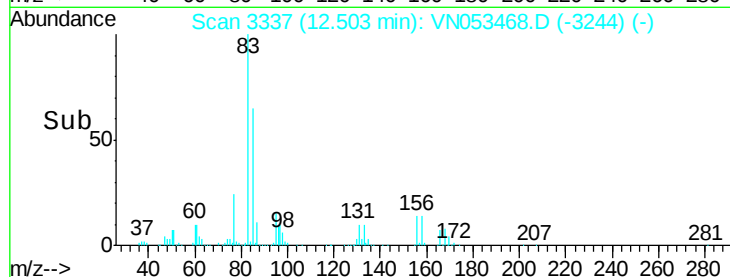
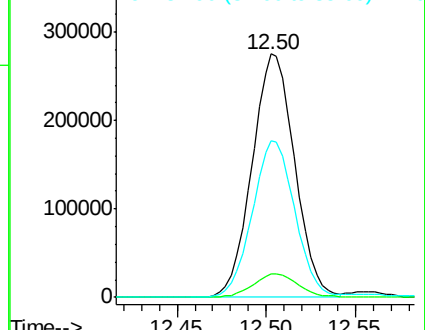
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053399.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN053399.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN053399.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 81.193 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053468.D

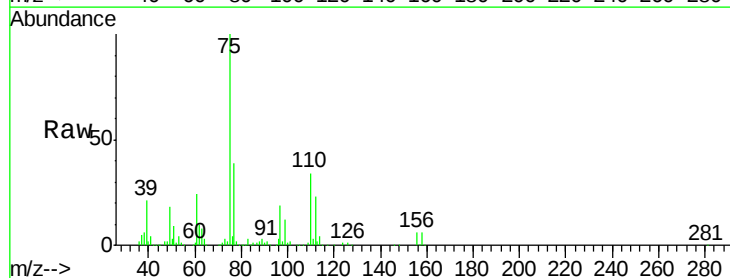
Acq: 18 Jan 2019 13:12

Tgt Ion: 75 Resp: 617756

Ion Ratio Lower Upper

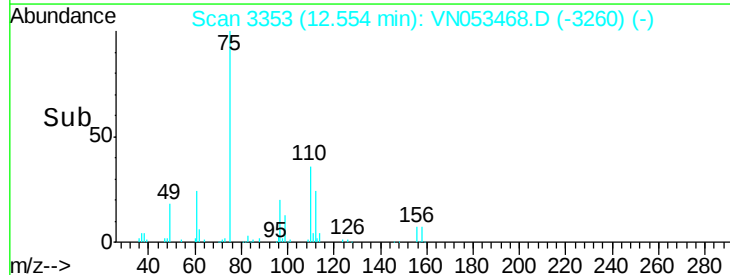
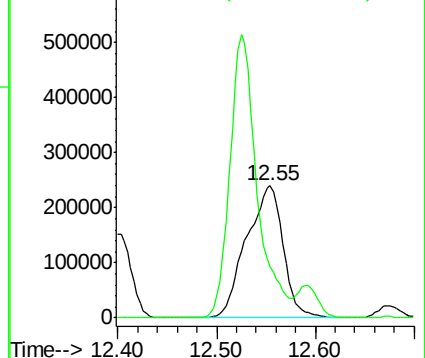
75 100

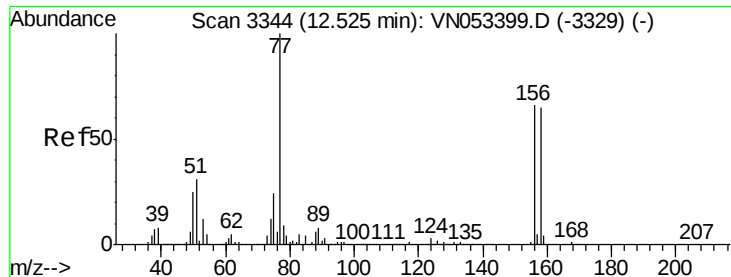
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053399.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN053399.D (-3348) (-)





#77

Bromobenzene

Concen: 50.562 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

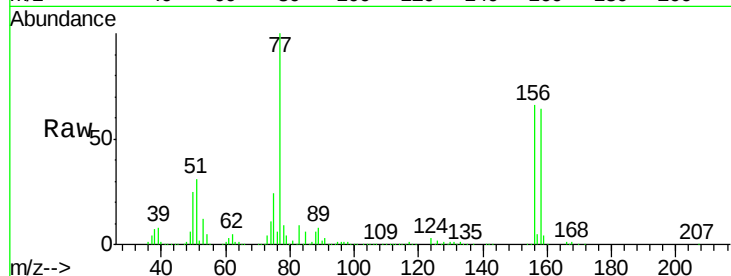
Tot Ion:156 Resp: 563305

Ion Ratio Lower Upper

156 100

77 176.7 87.9 263.8

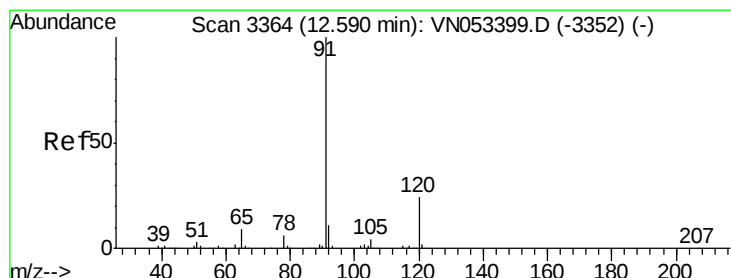
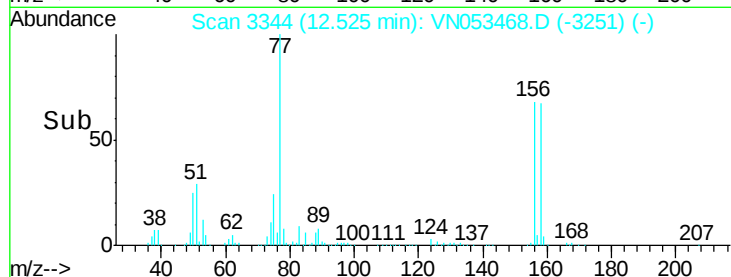
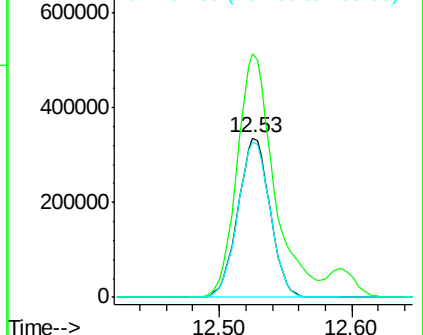
158 98.5 48.8 146.4



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: 52.504 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053468.D

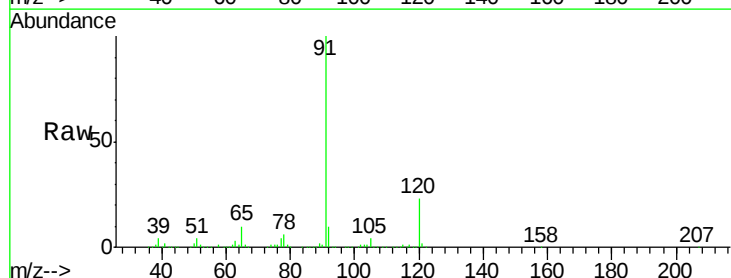
Acq: 18 Jan 2019 13:12

Tgt Ion: 91 Resp: 2548162

Ion Ratio Lower Upper

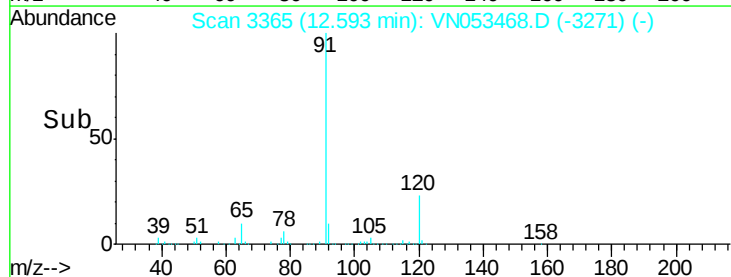
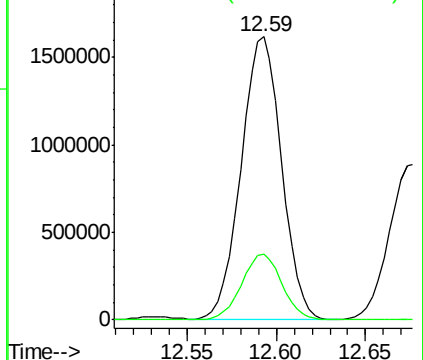
91 100

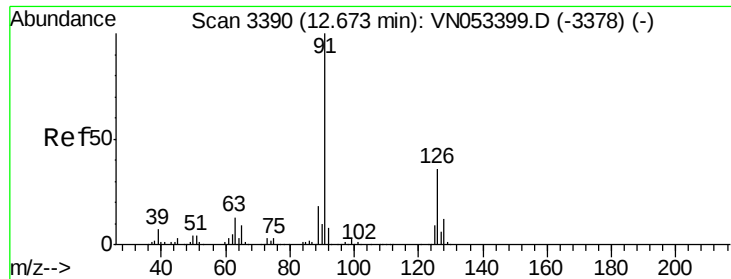
120 23.3 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

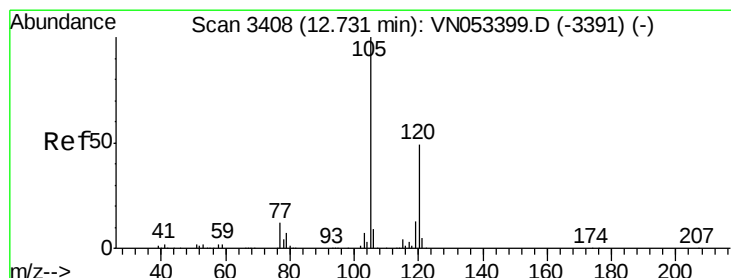
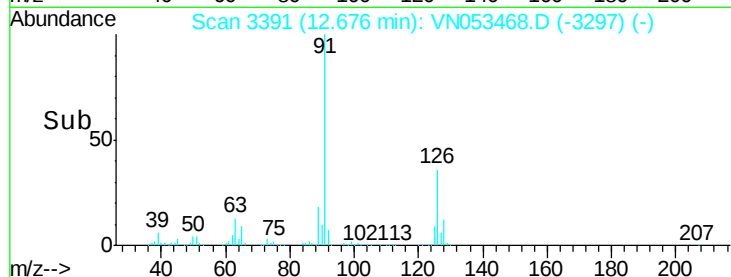
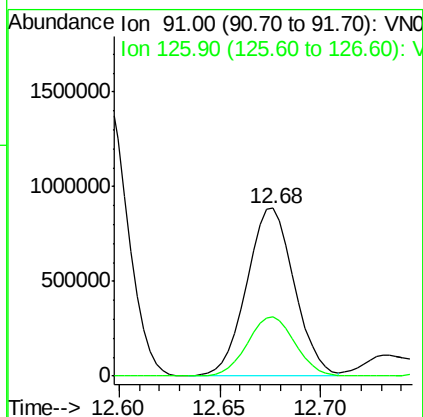
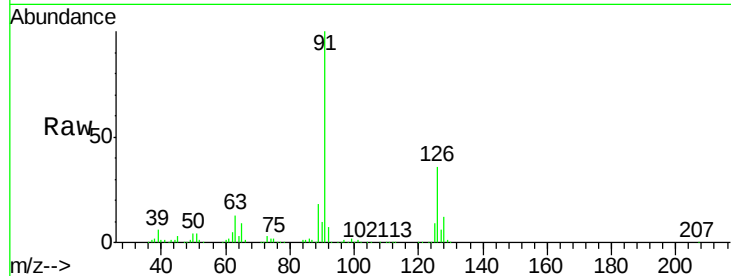




#79
 2-Chlorotoluene
 Concen: 50.830 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

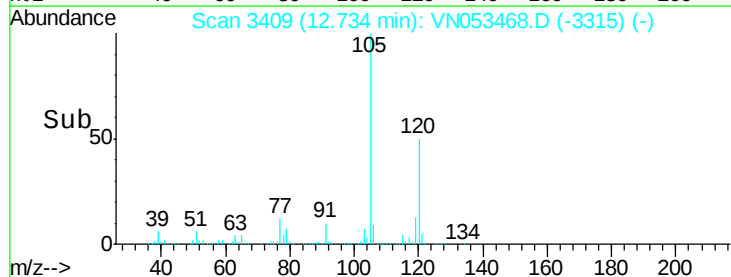
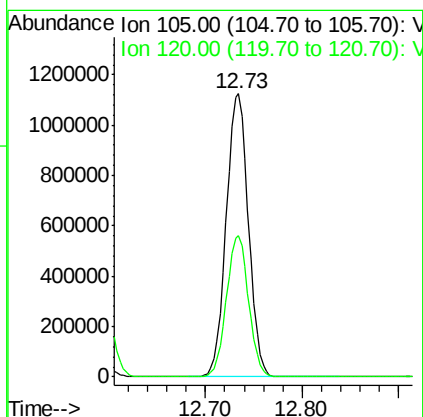
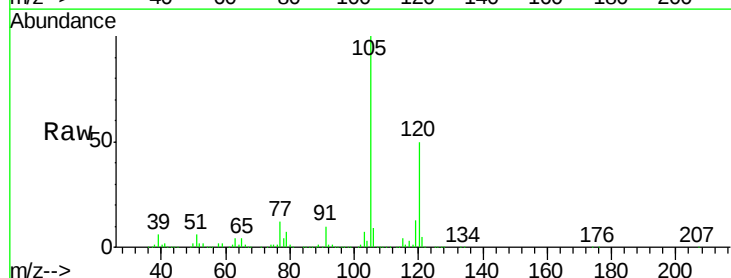
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

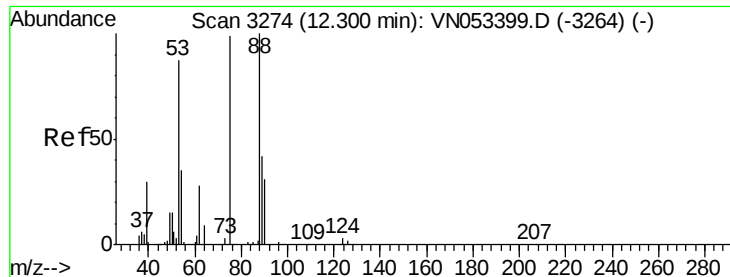
Tot Ion: 91 Resp: 1462245
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 51.903 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion: 105 Resp: 1785481
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.305 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

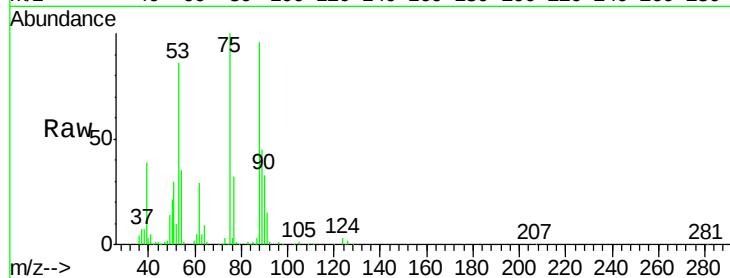
Tot Ion: 75 Resp: 141785

Ion Ratio Lower Upper

75 100

53 87.3 69.8 104.6

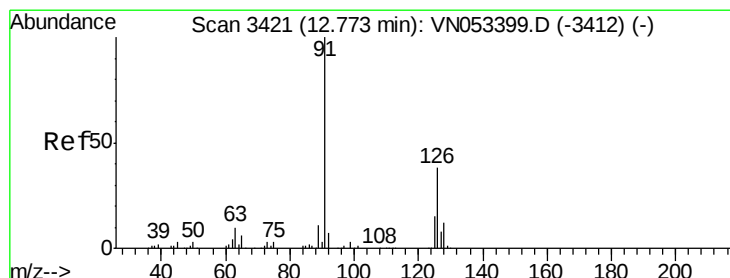
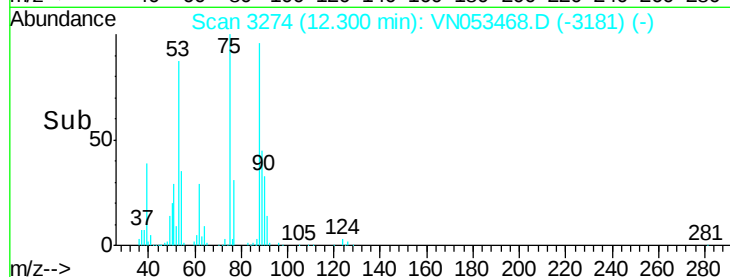
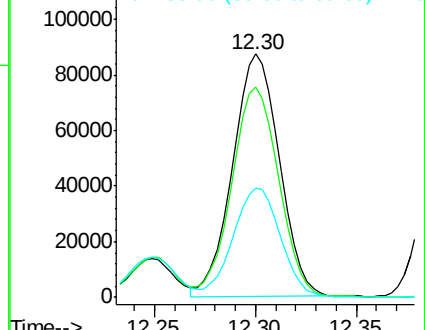
89 45.9 35.6 53.4



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: 51.714 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053468.D

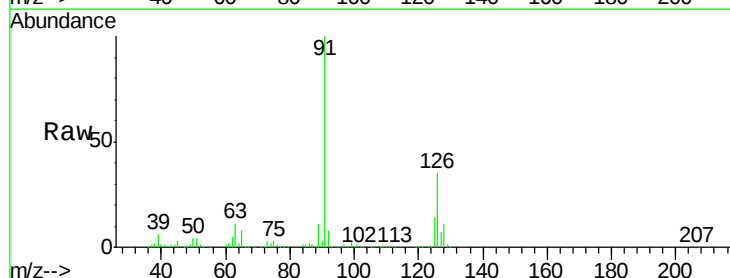
Acq: 18 Jan 2019 13:12

Tgt Ion: 91 Resp: 1517100

Ion Ratio Lower Upper

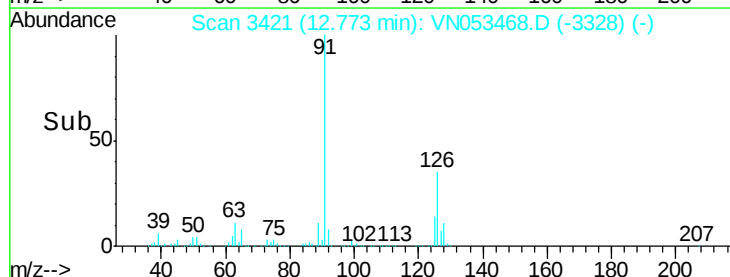
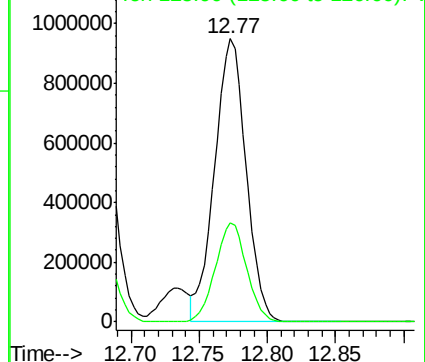
91 100

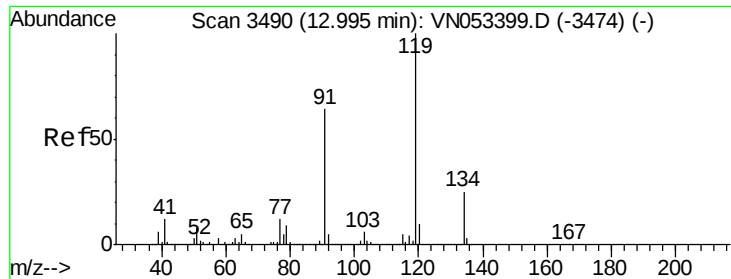
126 34.8 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 52.321 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

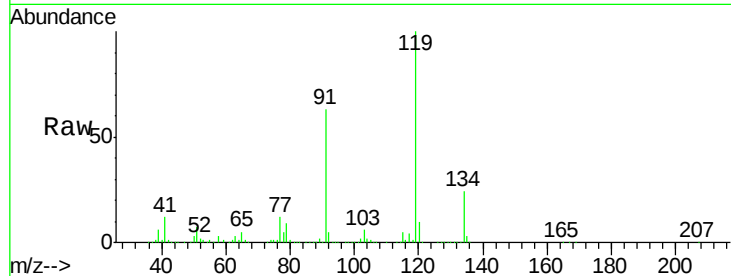
Tot Ion:119 Resp: 1589677

Ion Ratio Lower Upper

119 100

91 62.8 31.3 93.8

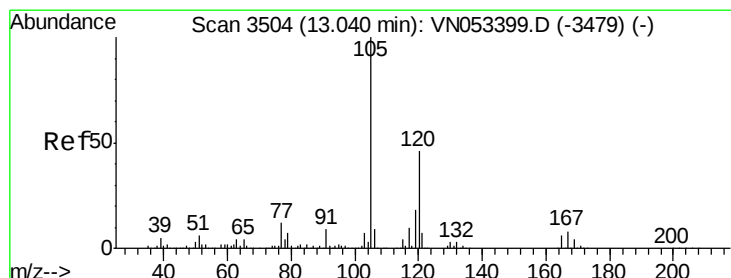
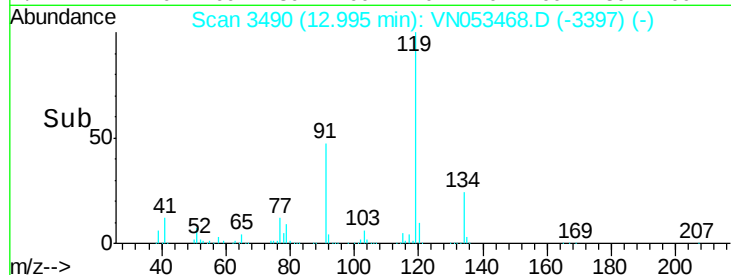
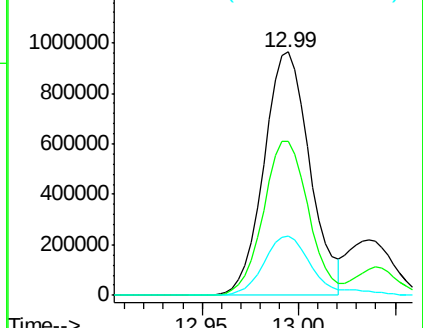
134 25.7 12.9 38.7



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: 51.899 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053468.D

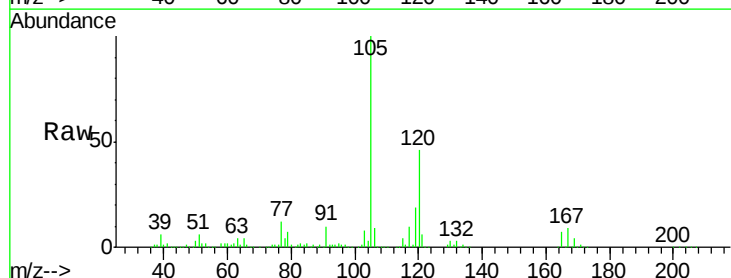
Acq: 18 Jan 2019 13:12

Tgt Ion:105 Resp: 1800158

Ion Ratio Lower Upper

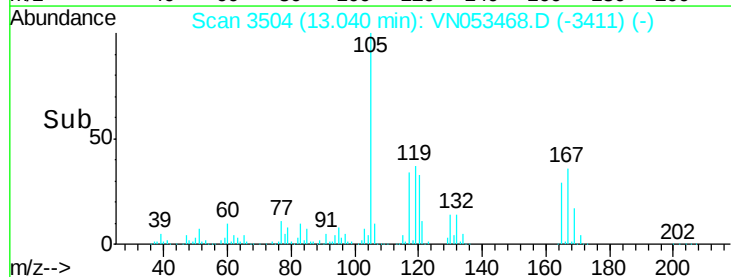
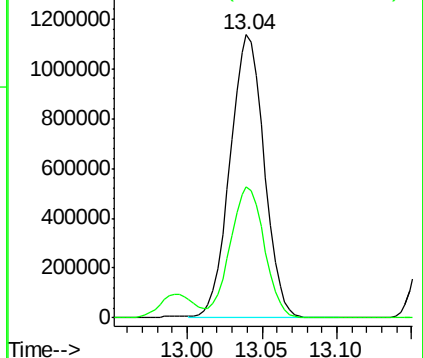
105 100

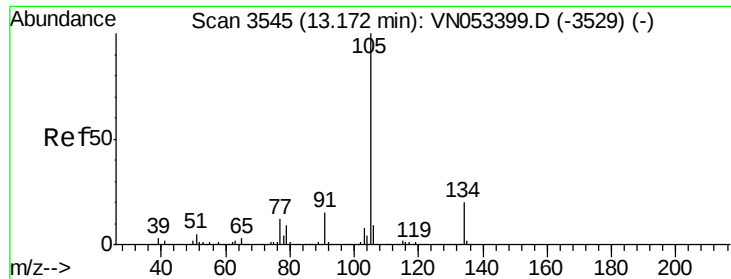
120 46.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.961 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

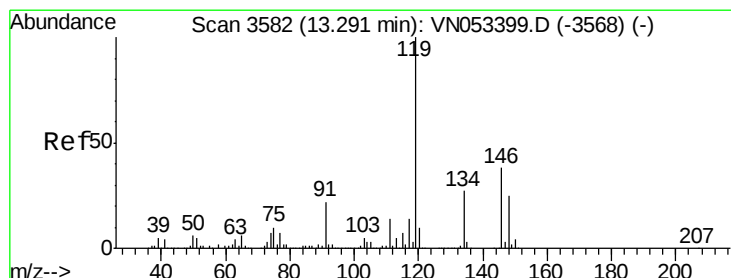
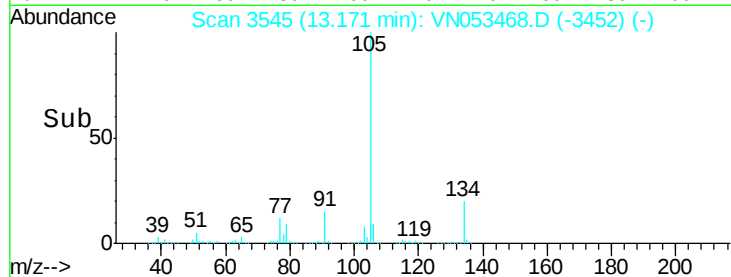
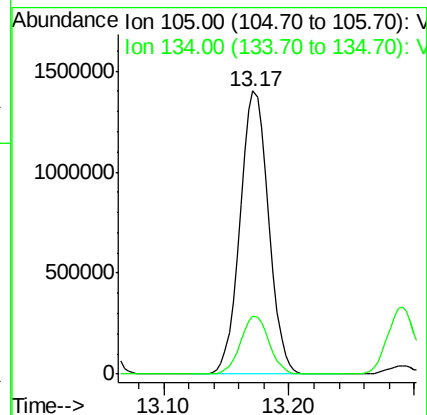
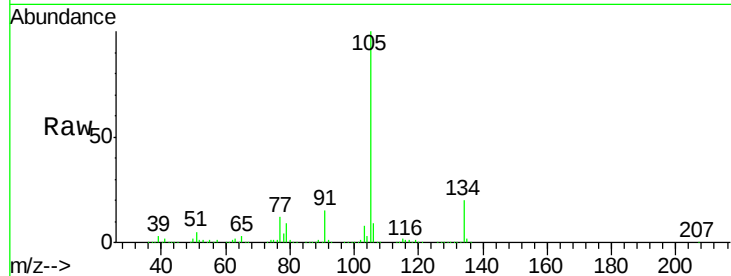
VSTDCCC050

Tot Ion:105 Resp: 2206830

Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6



#86

p-Isopropyltoluene

Concen: 53.493 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

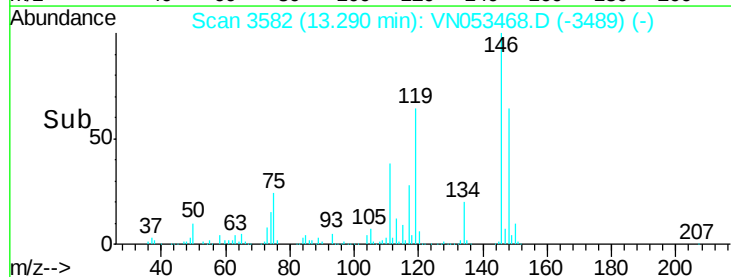
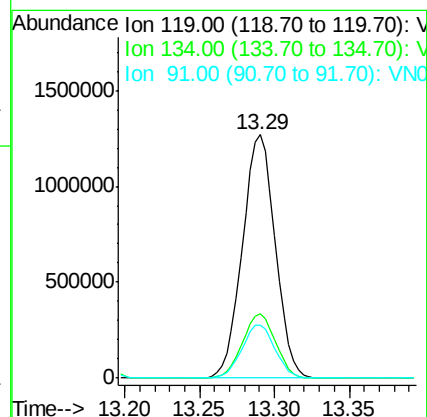
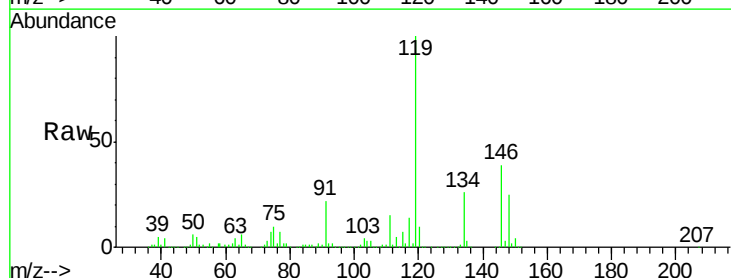
Tgt Ion:119 Resp: 1935389

Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.4

91 22.0 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 52.073 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

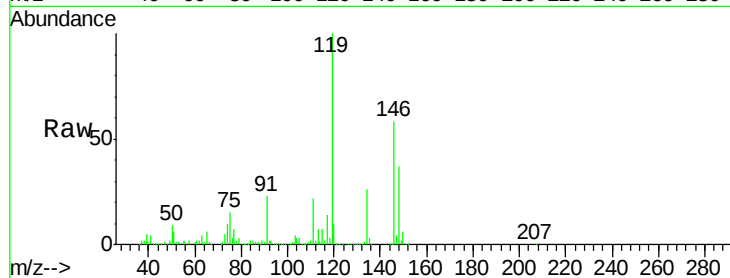
Tot Ion:146 Resp: 1020490

Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.8	56.3
148	64.0	32.0	96.2

146 100

111 37.7 18.8 56.3

148 64.0 32.0 96.2

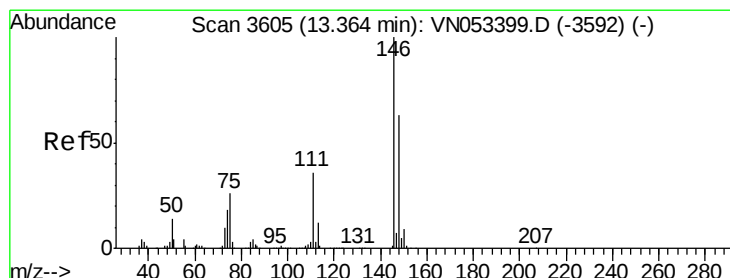
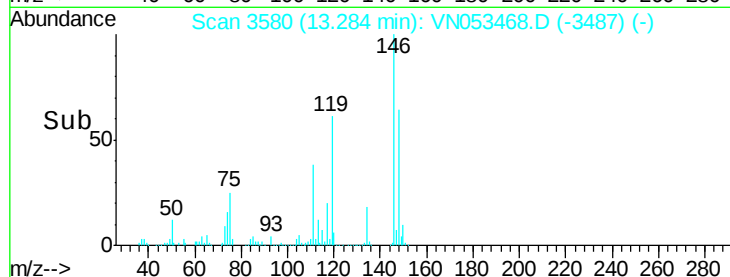
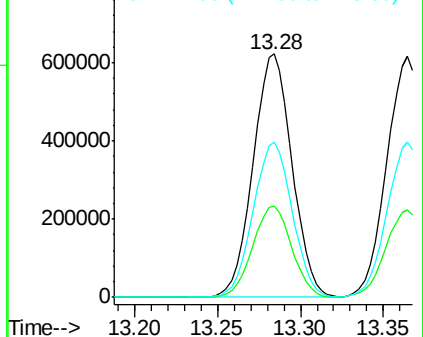


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.289 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

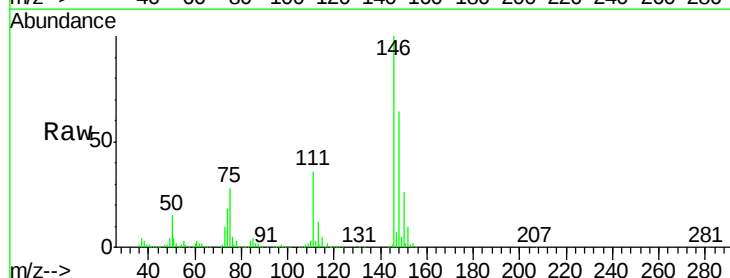
Tgt Ion:146 Resp: 1008242

Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.6	55.8
148	64.2	32.4	97.0

146 100

111 36.7 18.6 55.8

148 64.2 32.4 97.0

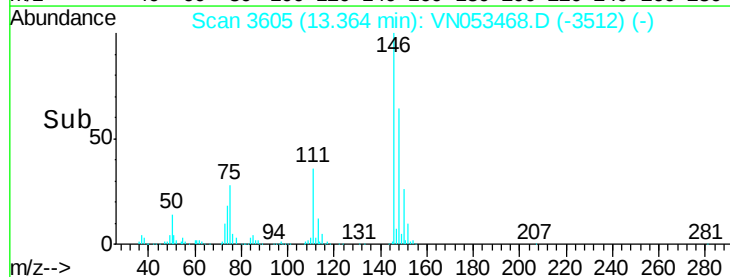
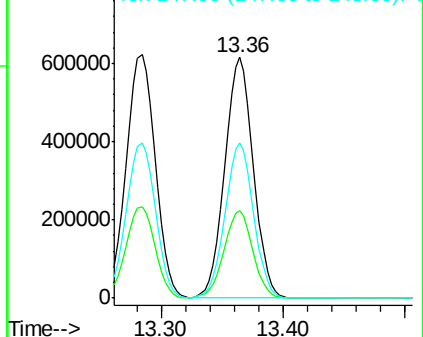


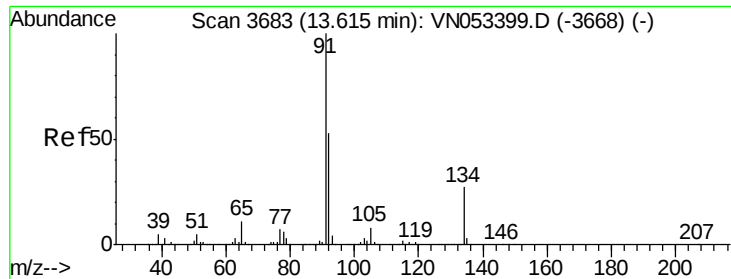
Abundance

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

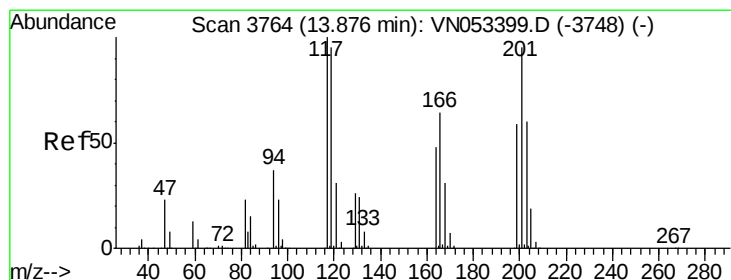
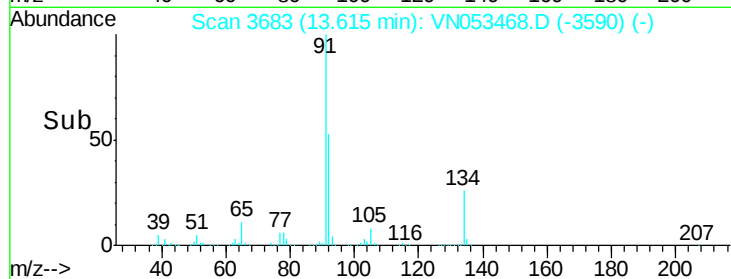
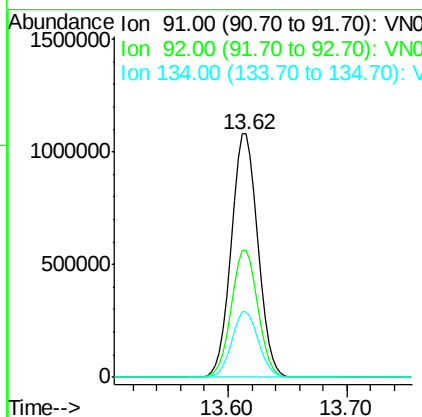
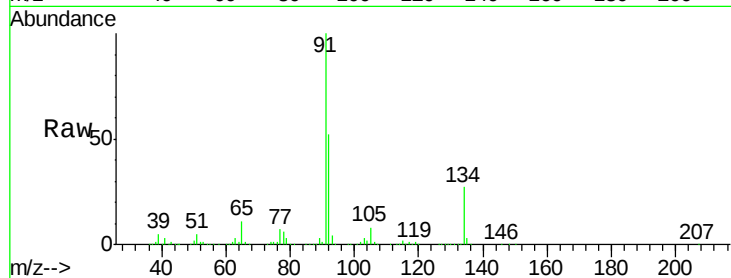




#89
n-Butylbenzene
Concen: 54.156 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

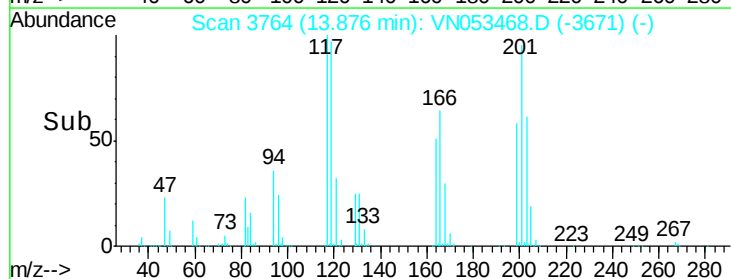
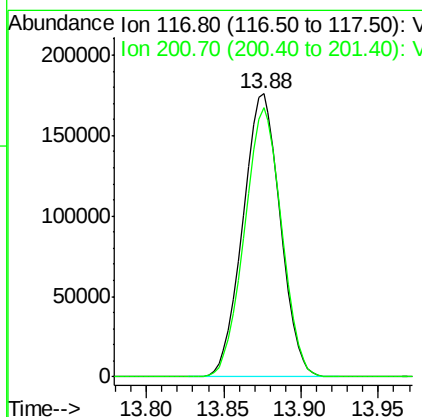
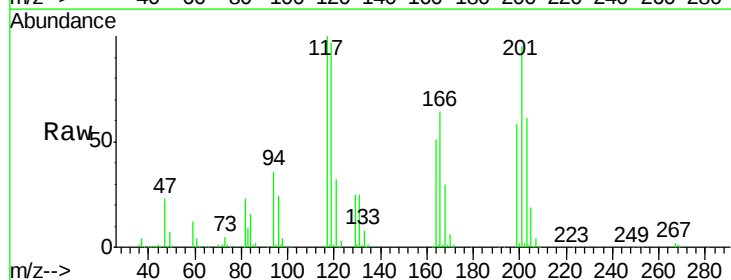
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

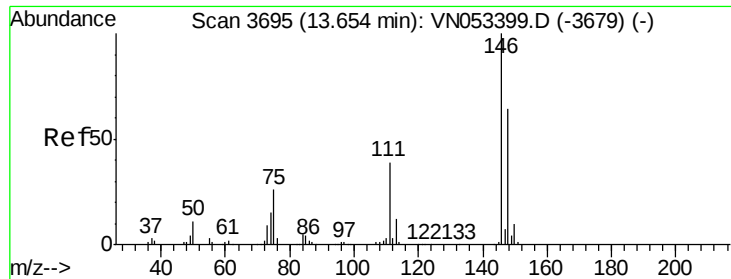
Tot Ion: 91 Resp: 1670205
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.0 13.5 40.5



#90
Hexachloroethane
Concen: 52.417 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053468.D
Acq: 18 Jan 2019 13:12

Tgt Ion: 117 Resp: 297429
Ion Ratio Lower Upper
117 100
201 94.0 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 52.582 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

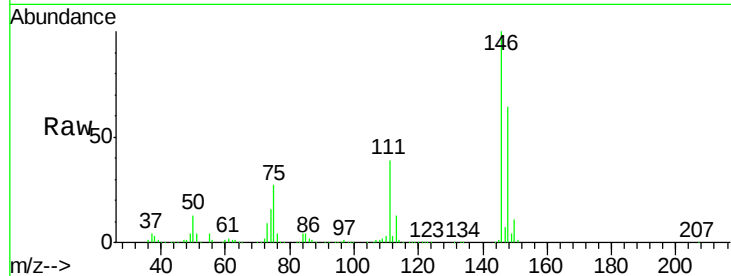
Tot Ion:146 Resp: 948036

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

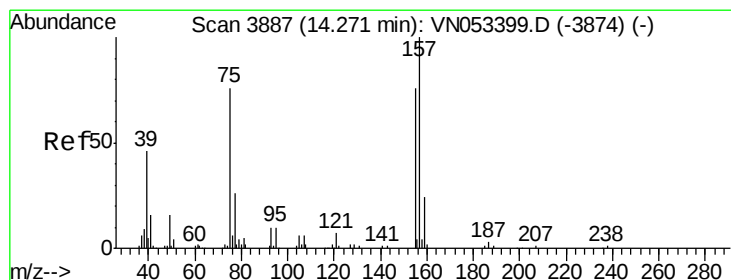
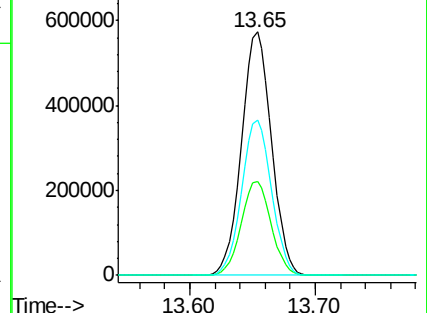
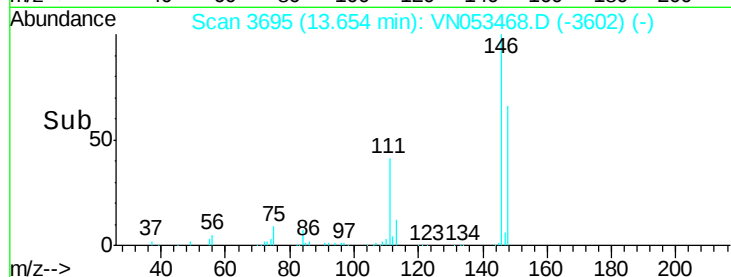
148 63.9 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.072 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

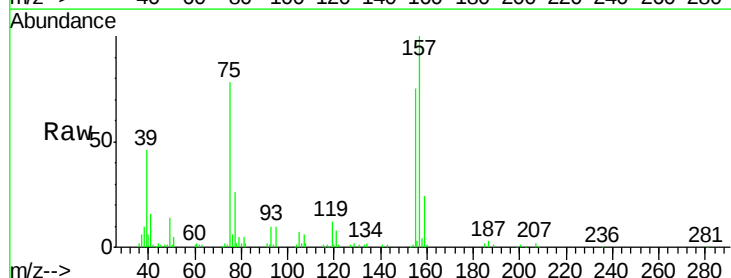
Tgt Ion: 75 Resp: 61920

Ion Ratio Lower Upper

75 100

155 97.6 48.9 146.7

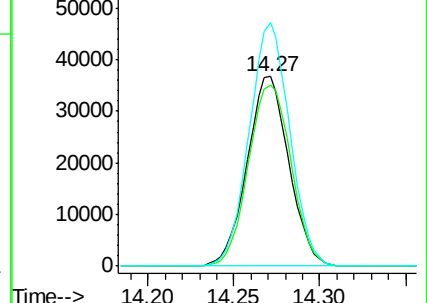
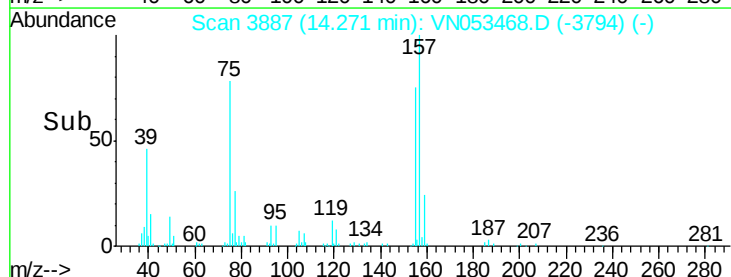
157 124.6 63.7 191.3

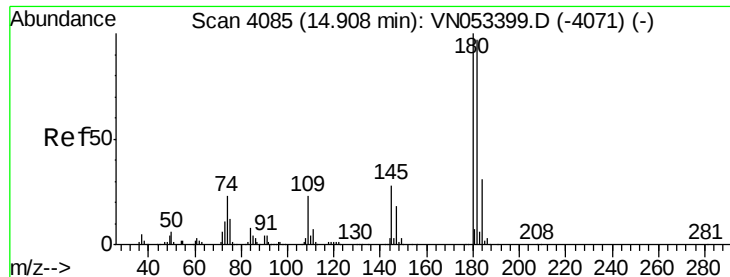


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

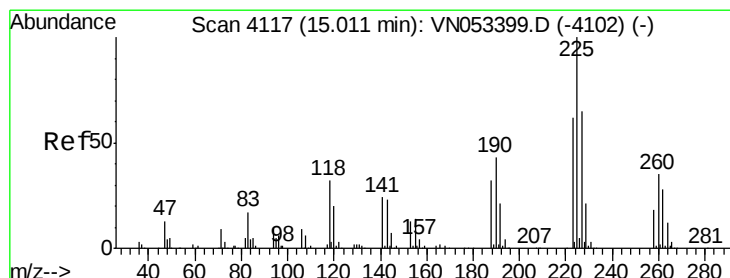
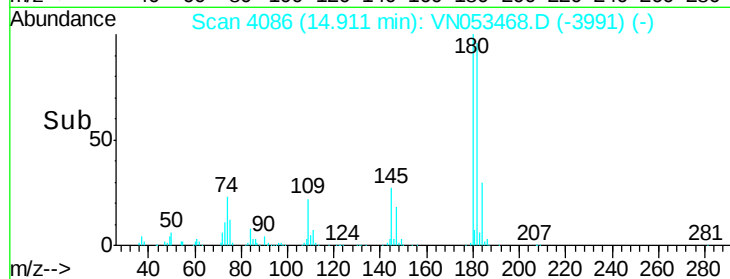
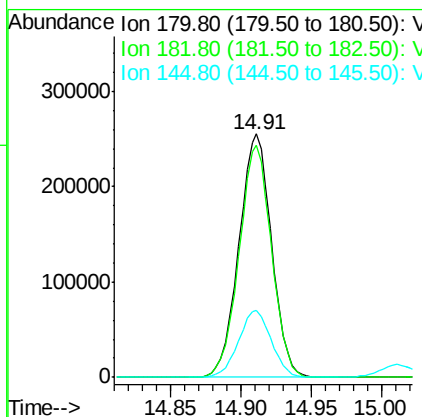
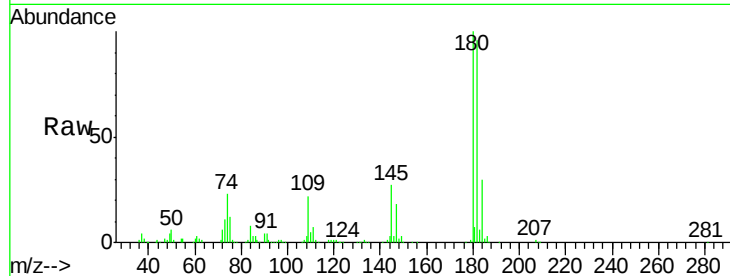




#93
 1,2,4-Trichlorobenzene
 Concen: 51.847 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

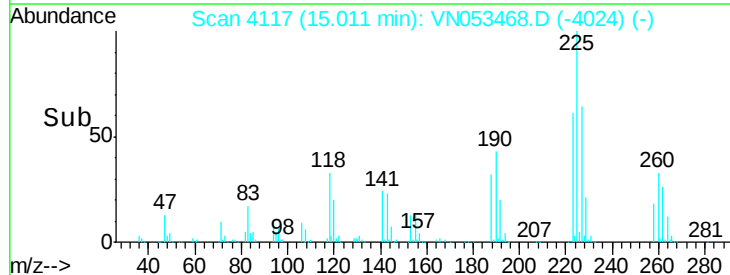
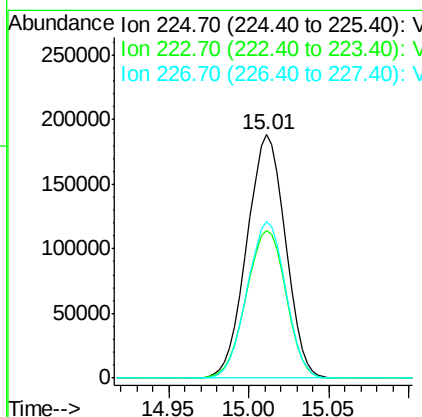
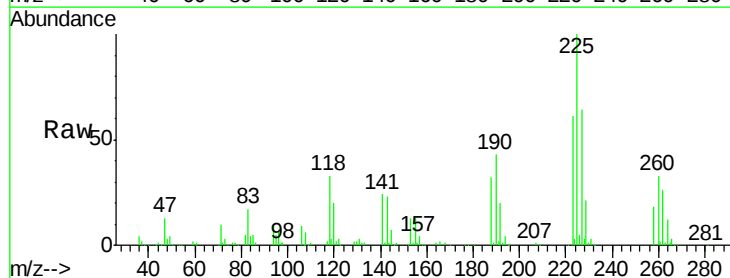
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

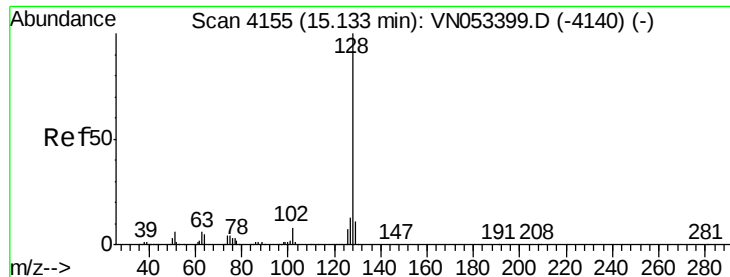
Tot Ion:180 Resp: 413307
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.1 144.3
 145 27.6 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 55.208 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053468.D
 Acq: 18 Jan 2019 13:12

Tgt Ion:225 Resp: 310506
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.1 93.2
 227 64.5 32.0 96.2





#95

Naphthalene

Concen: 49.110 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Instrument :

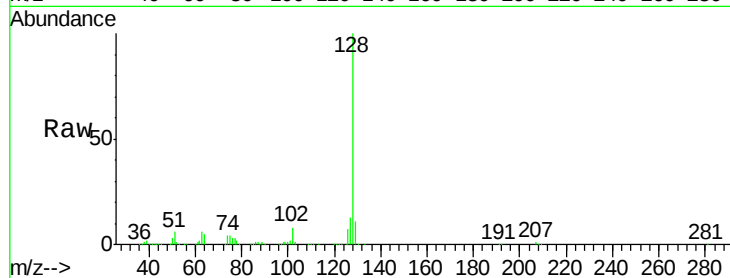
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 684377

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.8	8.6	13.0

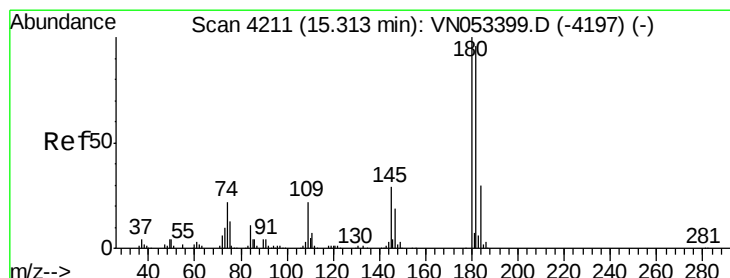
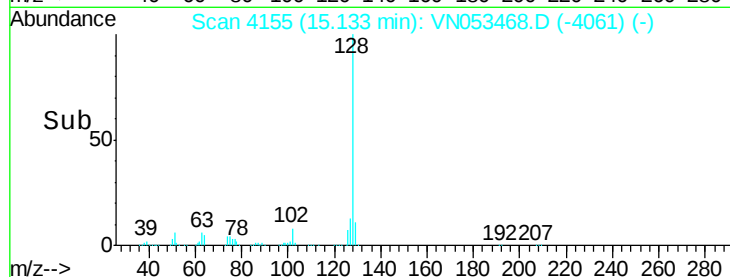
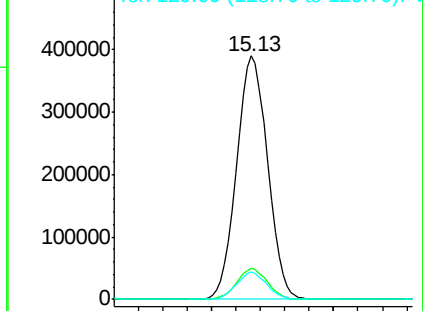


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.299 ug/l

RT: 15.32 min Scan# 4212

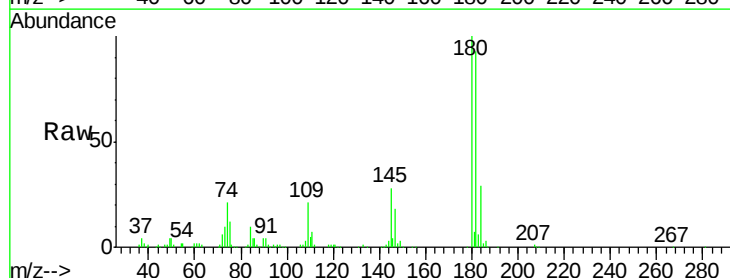
Delta R.T. 0.00 min

Lab File: VN053468.D

Acq: 18 Jan 2019 13:12

Tgt Ion:180 Resp: 305562

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.8
145	29.4	14.7	44.1



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

