

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049905.D
 Acq On : 19 Jul 2018 9:42
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 01:25:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	907229	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	848602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	468187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	420371	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
35) Dibromofluoromethane	7.59	113	377837	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
50) Toluene-d8	10.09	98	1409133	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
62) 4-Bromofluorobenzene	12.40	95	497053	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	294224	50.16	ug/l	99
3) Chloromethane	2.06	50	364461	41.54	ug/l	100
4) Vinyl Chloride	2.18	62	409838	43.79	ug/l	99
5) Bromomethane	2.56	94	261633	50.00	ug/l	99
6) Chloroethane	2.70	64	265689	43.47	ug/l	99
7) Trichlorofluoromethane	3.01	101	572393	44.49	ug/l	97
8) Diethyl Ether	3.41	74	199581	44.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	363375	45.81	ug/l	99
10) Methyl Iodide	3.95	142	504746	47.43	ug/l	98
11) Tert butyl alcohol	4.80	59	123920	196.87	ug/l	99
12) 1,1-Dichloroethene	3.73	96	315400	45.26	ug/l	98
13) Acrolein	3.61	56	79167	195.18	ug/l	95
14) Allyl chloride	4.32	41	516901	47.05	ug/l	99
15) Acrylonitrile	4.99	53	602895	217.78	ug/l	98
16) Acetone	3.82	43	619707	270.90	ug/l	99
17) Carbon Disulfide	4.05	76	900255	43.17	ug/l	100
18) Methyl Acetate	4.33	43	327894	45.54	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	922472	48.10	ug/l	99
20) Methylene Chloride	4.55	84	372914	42.87	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	347720	46.99	ug/l	98
22) Diisopropyl ether	5.95	45	1107122	49.38	ug/l	97
23) Vinyl Acetate	5.90	43	3805608	241.92	ug/l	100
24) 1,1-Dichloroethane	5.85	63	650780	45.22	ug/l	100
25) 2-Butanone	6.84	43	828778	253.49	ug/l	98
26) 2,2-Dichloropropane	6.82	77	570258	50.92	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	397291	48.92	ug/l	100
28) Bromochloromethane	7.19	49	310147	47.71	ug/l	99
29) Tetrahydrofuran	7.21	42	461458	224.05	ug/l	99
30) Chloroform	7.37	83	685754	46.41	ug/l	98
31) Cyclohexane	7.65	56	563221	48.08	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	581677	45.55	ug/l	99
36) 1,1-Dichloropropene	7.79	75	509970	50.56	ug/l	100
37) Ethyl Acetate	6.93	43	313860	45.31	ug/l	99
38) Carbon Tetrachloride	7.77	117	521439	48.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	557562	53.50	ug/l	99
40) Benzene	8.04	78	1524293	49.58	ug/l	100
41) Methacrylonitrile	7.17	41	171685	49.44	ug/l	99
42) 1,2-Dichloroethane	8.12	62	494904	48.60	ug/l	99
43) Isopropyl Acetate	8.16	43	578913	47.84	ug/l	98
44) Trichloroethene	8.83	130	401216	49.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	401969	48.47	ug/l	100
46) Dibromomethane	9.21	93	245868	47.80	ug/l	98
47) Bromodichloromethane	9.40	83	525109	49.36	ug/l	99
48) Methyl methacrylate	9.20	41	289449	47.68	ug/l	99
49) 1,4-Dioxane	9.20	88	78184	907.90	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1629751	240.91	ug/l	99
52) Toluene	10.16	92	959748	52.33	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	543201	51.64	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	612717	52.71	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	355126	46.87	ug/l	99
56) Ethyl methacrylate	10.43	69	454898	44.94	ug/l	98
57) 1,3-Dichloropropane	10.71	76	588980	49.36	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1104230	231.59	ug/l	100
59) 2-Hexanone	10.75	43	1278116	281.28	ug/l	100
60) Dibromochloromethane	10.90	129	410474	49.41	ug/l	99
61) 1,2-Dibromoethane	11.00	107	343311	48.50	ug/l	99
64) Tetrachloroethene	10.63	164	372287	48.82	ug/l	100
65) Chlorobenzene	11.43	112	1054719	49.47	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	399574	48.38	ug/l	100
67) Ethyl Benzene	11.51	91	1832363	52.98	ug/l	100
68) m/p-Xylenes	11.62	106	1418182	108.32	ug/l	99
69) o-Xylene	11.95	106	663609	52.77	ug/l	100
70) Styrene	11.96	104	1132428	55.59	ug/l	100
71) Bromoform	12.13	173	286084	48.42	ug/l #	99
73) Isopropylbenzene	12.25	105	1827394	51.39	ug/l	99
74) N-amyl acetate	12.07	43	507650	46.90	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	450581	42.29	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	556557	63.37	ug/l #	100
77) Bromobenzene	12.53	156	469001	47.76	ug/l	100
78) n-propylbenzene	12.59	91	2141385	52.96	ug/l	99
79) 2-Chlorotoluene	12.67	91	1257843	50.67	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1514584	53.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	130591	46.50	ug/l	97
82) 4-Chlorotoluene	12.77	91	1284601	51.58	ug/l	99
83) tert-Butylbenzene	12.99	119	1291219	51.58	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1559188	54.00	ug/l	100
85) sec-Butylbenzene	13.17	105	1793027	54.20	ug/l	100
86) p-Isopropyltoluene	13.29	119	1554657	55.13	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	843846	49.32	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	825718	48.13	ug/l	100
89) n-Butylbenzene	13.62	91	1317018	56.56	ug/l	100
90) Hexachloroethane	13.87	117	288568	45.59	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	814053	48.39	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	68520	41.62	ug/l	98

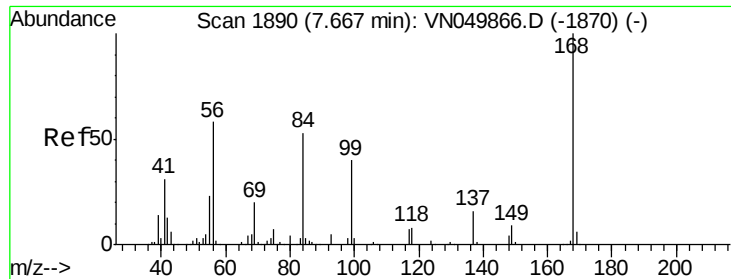
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	434118	47.02	ug/l	99
94) Hexachlorobutadiene	15.01	225	269224	48.83	ug/l	99
95) Naphthalene	15.13	128	891499	41.08	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	420701	52.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

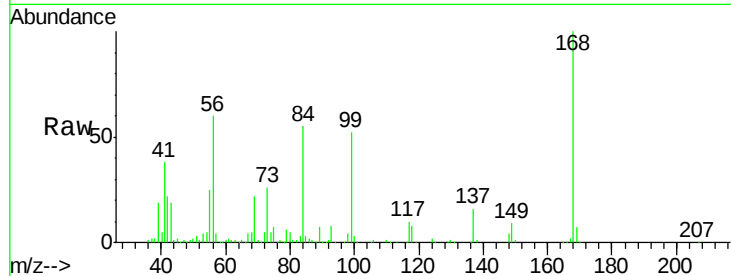
VSTDCCC050

Tot Ion:168 Resp: 642850

Ion Ratio Lower Upper

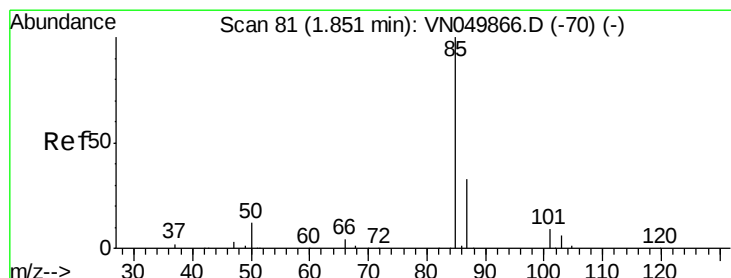
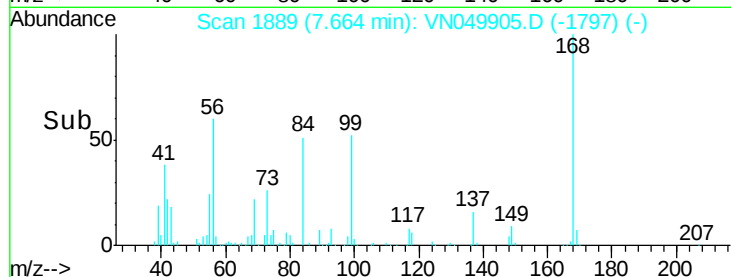
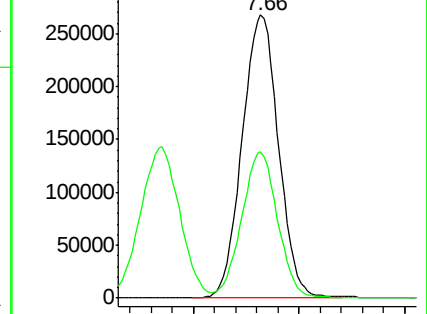
168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.16 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049905.D

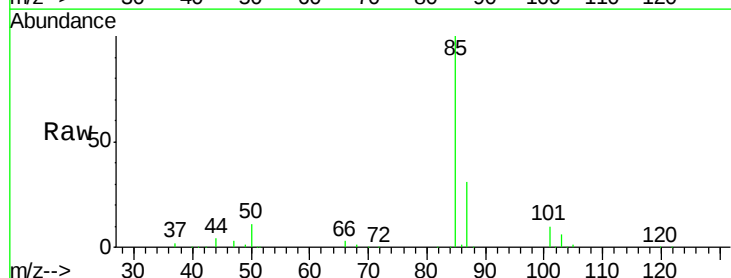
Acq: 19 Jul 2018 9:42

Tgt Ion: 85 Resp: 294224

Ion Ratio Lower Upper

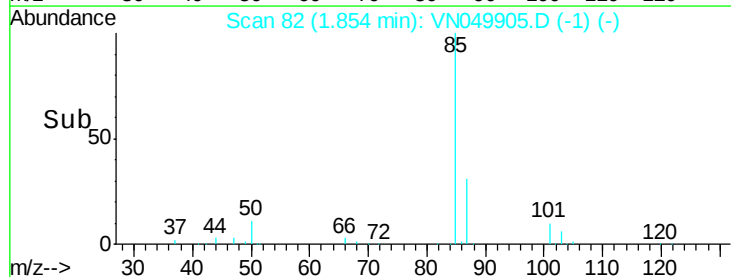
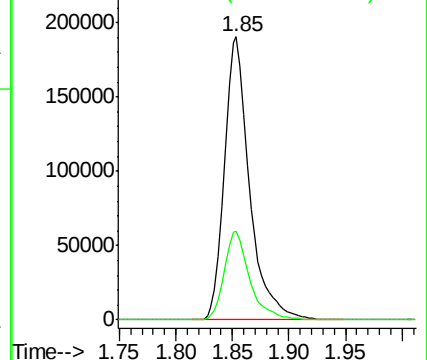
85 100

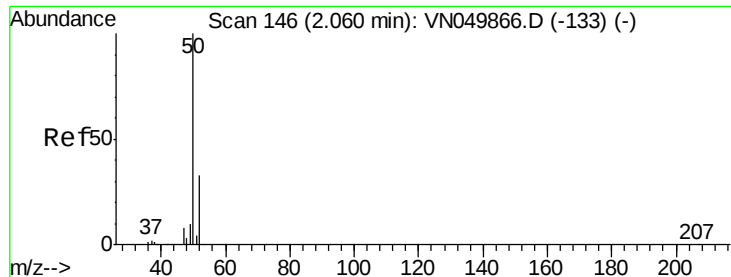
87 31.3 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.54 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

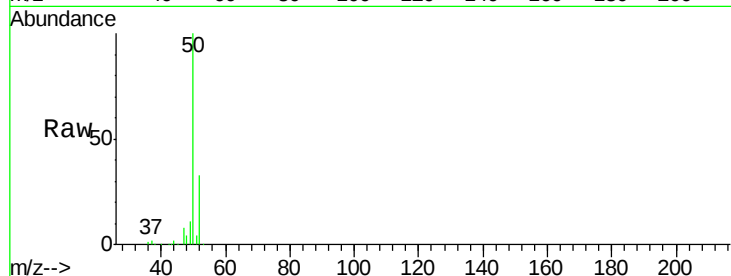
VSTDCCC050

Tot Ion: 50 Resp: 364461

Ion Ratio Lower Upper

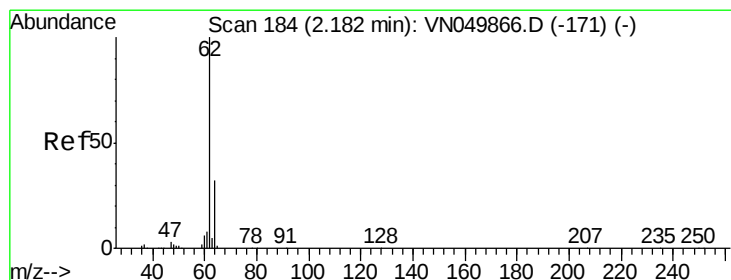
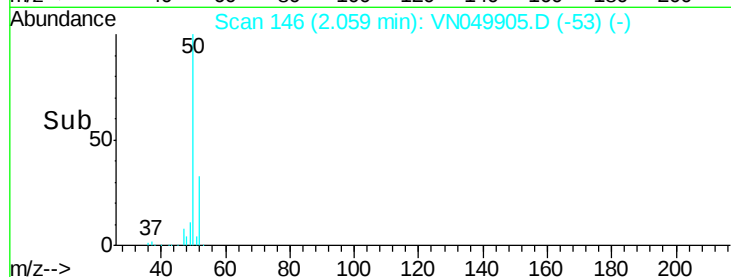
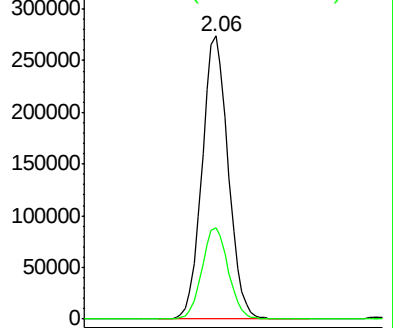
50 100

52 32.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 43.79 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049905.D

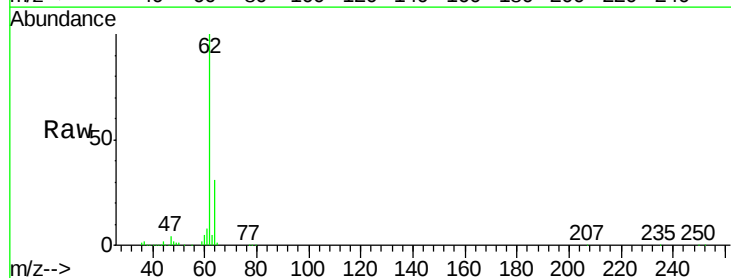
Acq: 19 Jul 2018 9:42

Tgt Ion: 62 Resp: 409838

Ion Ratio Lower Upper

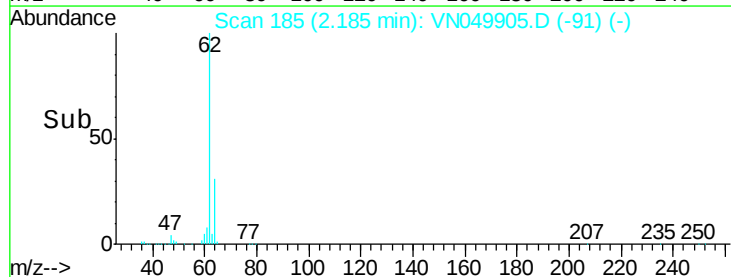
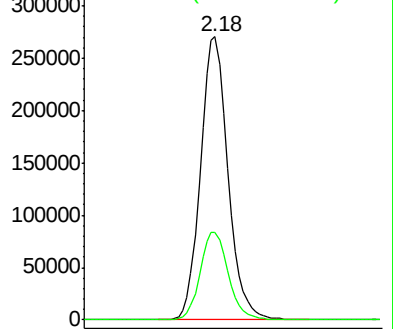
62 100

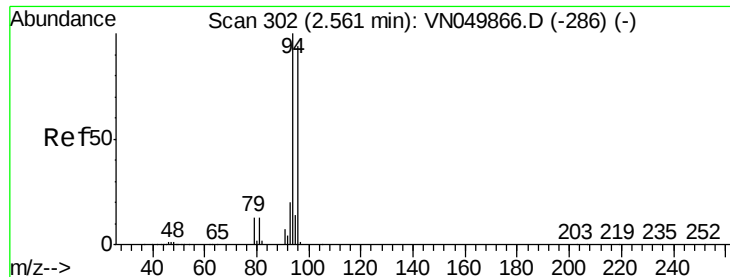
64 31.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 50.00 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

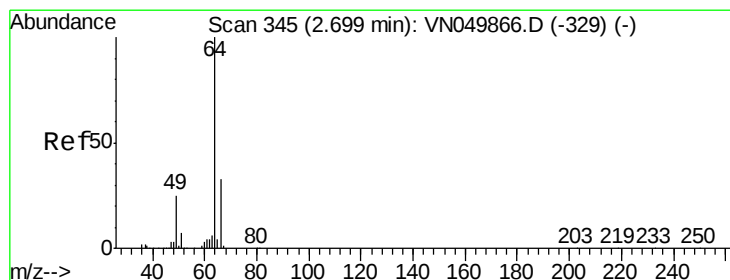
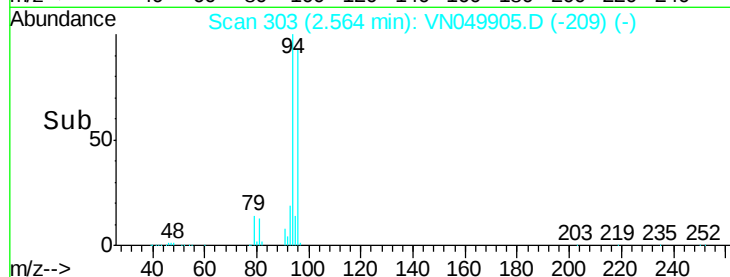
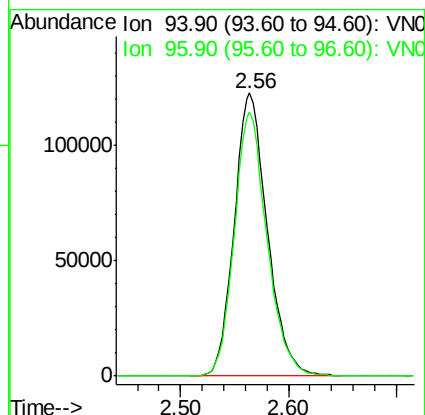
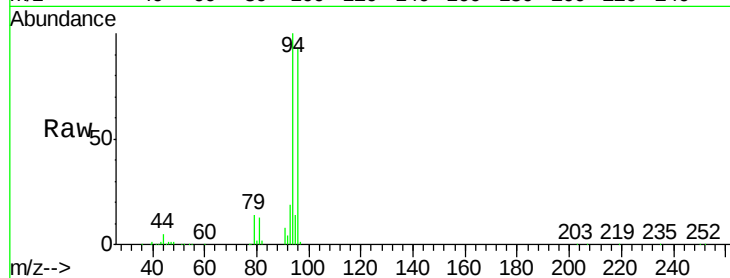
VSTDCCC050

Tot Ion: 94 Resp: 261633

Ion Ratio Lower Upper

94 100

96 93.5 75.7 113.5



#6

Chloroethane

Concen: 43.47 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049905.D

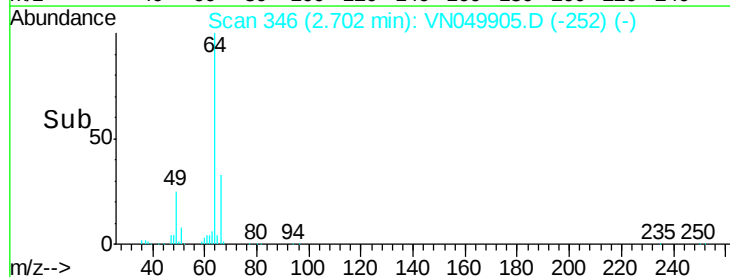
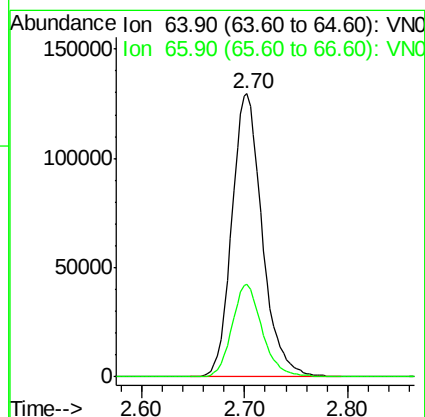
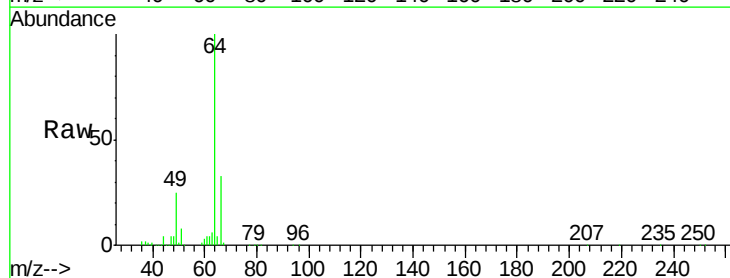
Acq: 19 Jul 2018 9:42

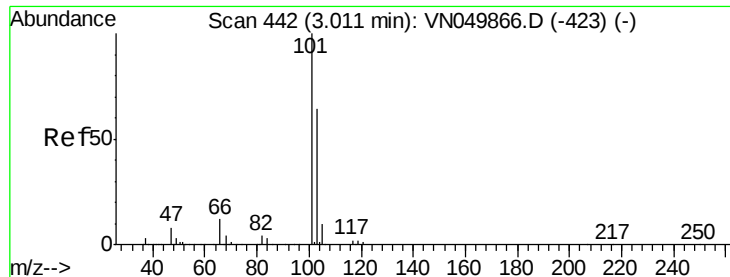
Tgt Ion: 64 Resp: 265689

Ion Ratio Lower Upper

64 100

66 32.8 25.6 38.4





#7

Trichlorofluoromethane

Concen: 44.49 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

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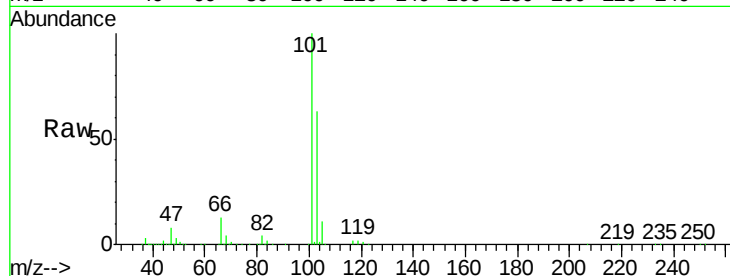
VSTDCCC050

Tot Ion:101 Resp: 572393

Ion Ratio Lower Upper

101 100

103 63.5 52.8 79.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

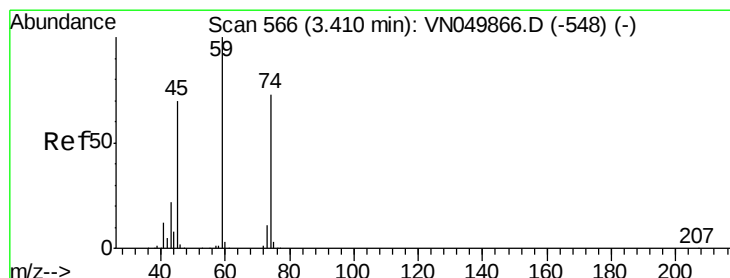
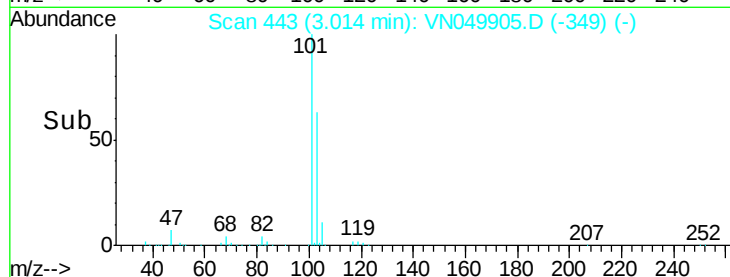
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 44.46 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049905.D

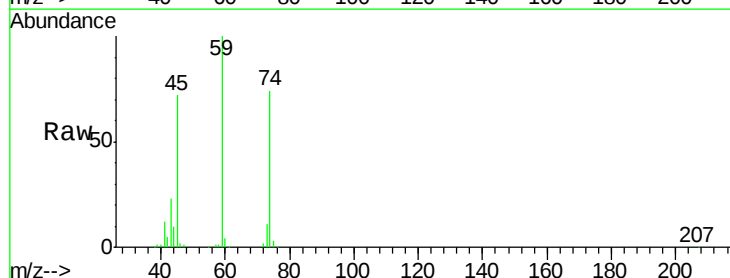
Acq: 19 Jul 2018 9:42

Tgt Ion: 74 Resp: 199581

Ion Ratio Lower Upper

74 100

45 95.9 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

100000

80000

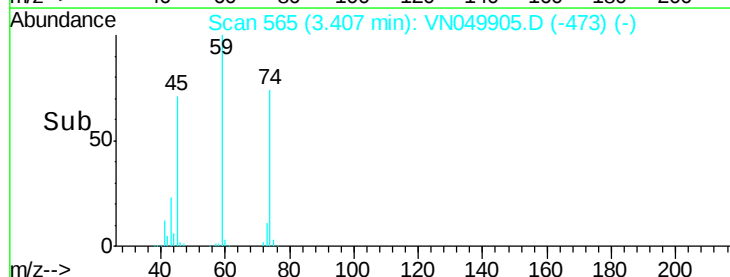
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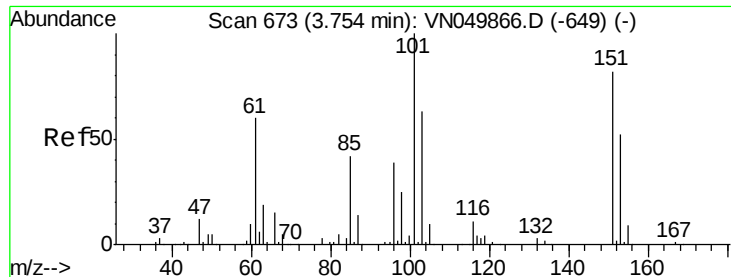
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.81 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049905.D

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VSTDCCC050

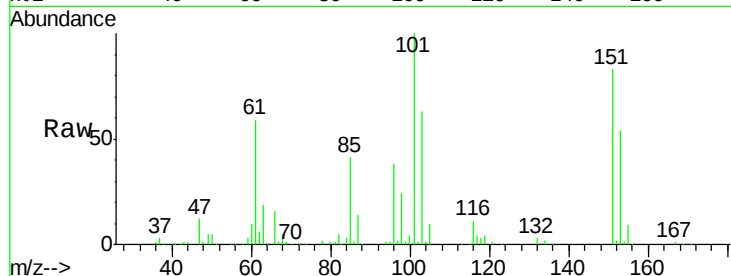
Tot Ion:101 Resp: 363375

Ion Ratio Lower Upper

101 100

85 42.3 34.4 51.6

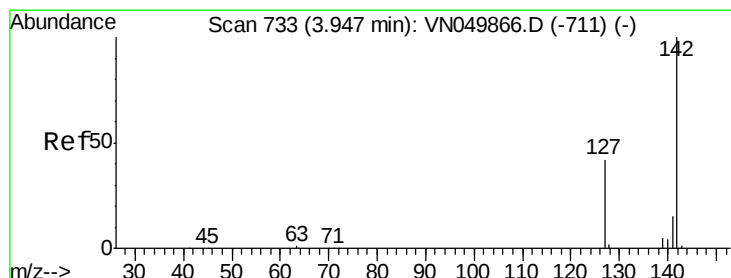
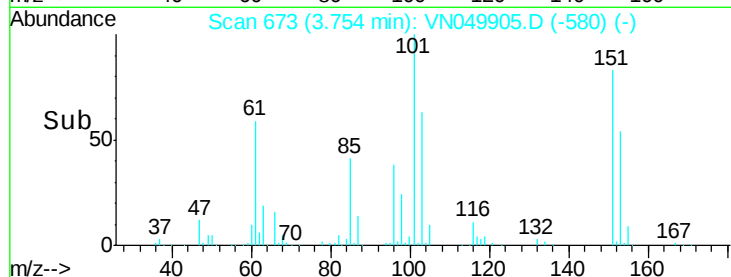
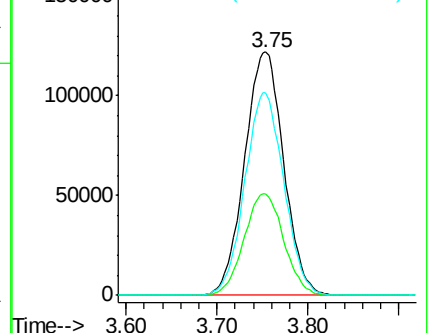
151 83.2 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 47.43 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

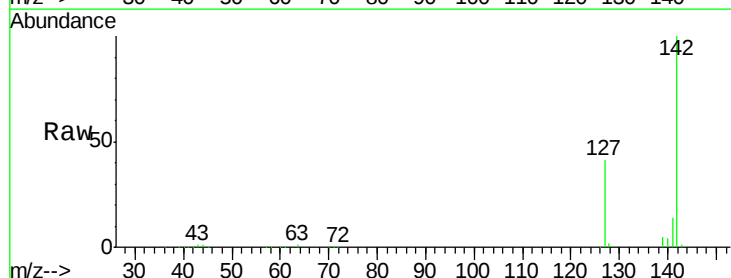
Tgt Ion:142 Resp: 504746

Ion Ratio Lower Upper

142 100

127 41.9 32.5 48.7

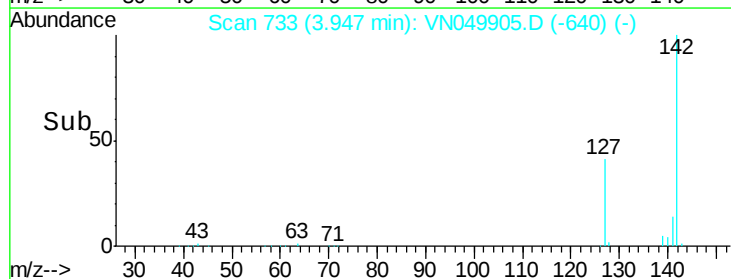
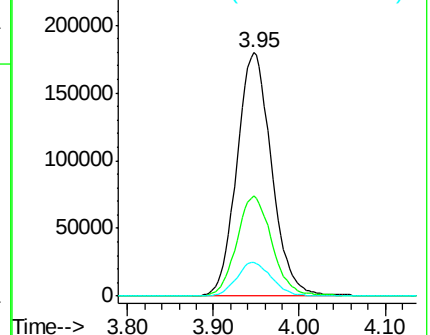
141 14.0 11.1 16.7

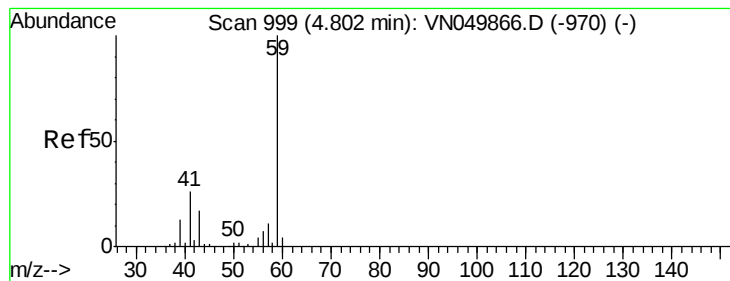


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



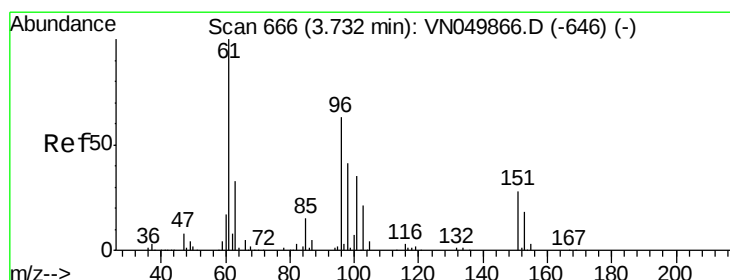
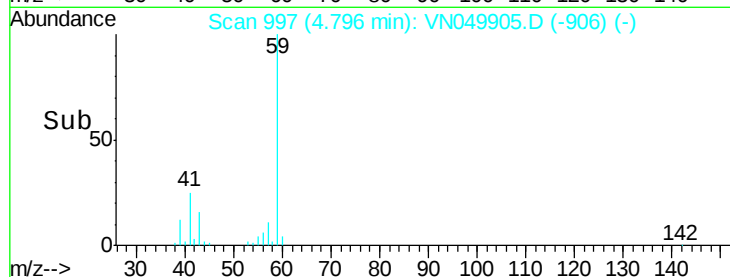
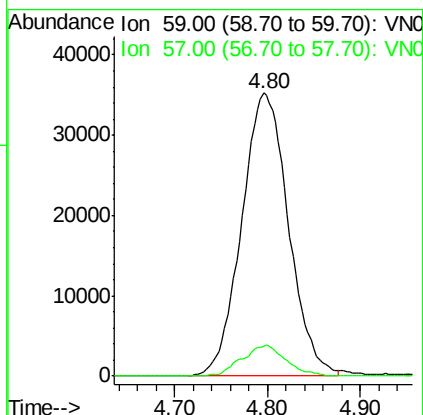
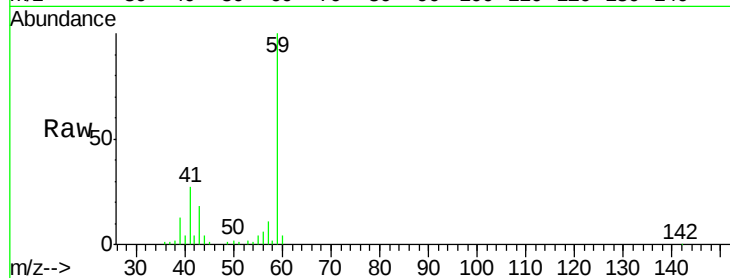


#11

Tert butyl alcohol
 Concen: 196.87 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

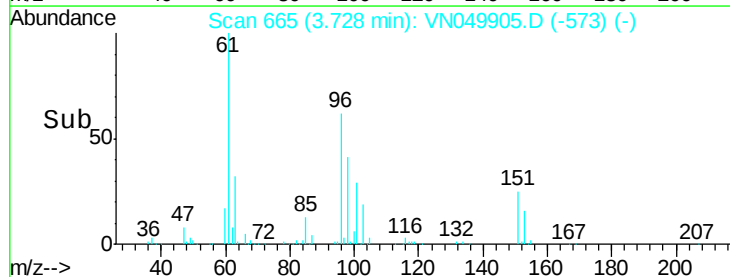
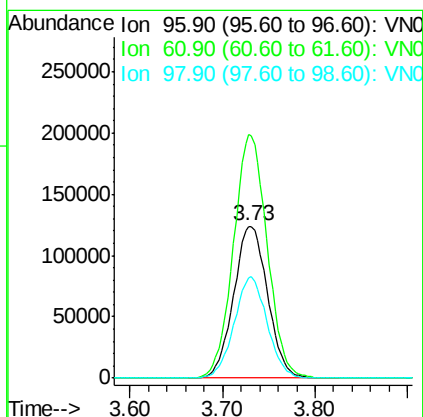
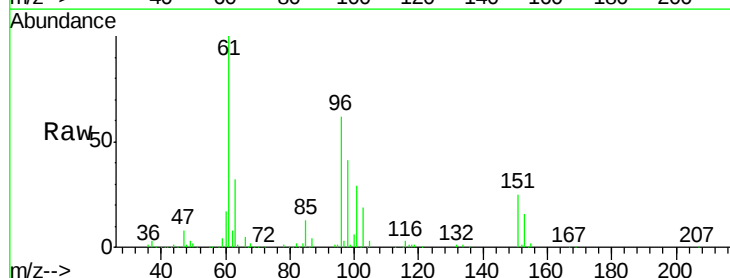
Tot Ion: 59 Resp: 123920
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.5 12.7

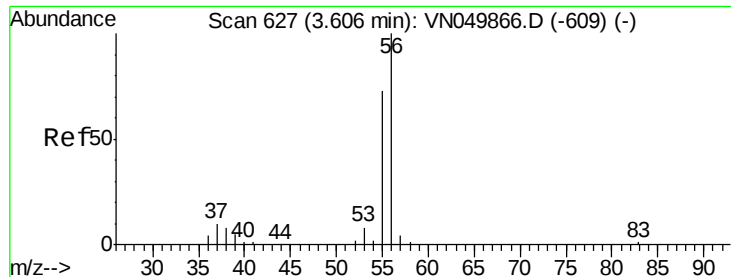


#12

1,1-Dichloroethene
 Concen: 45.26 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 96 Resp: 315400
 Ion Ratio Lower Upper
 96 100
 61 160.6 126.5 189.7
 98 66.3 51.0 76.6





#13

Acrolein

Concen: 195.18 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

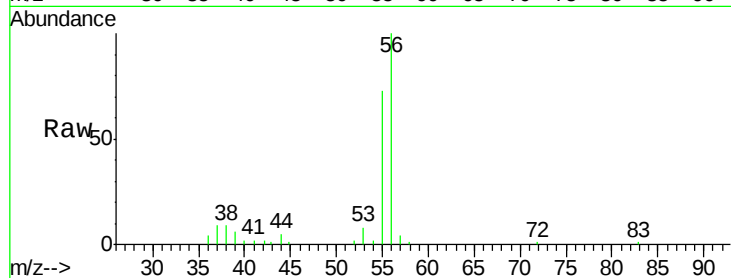
VSTDCCC050

Tot Ion: 56 Resp: 79167

Ion Ratio Lower Upper

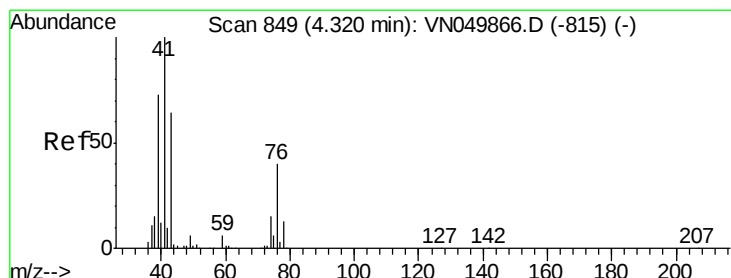
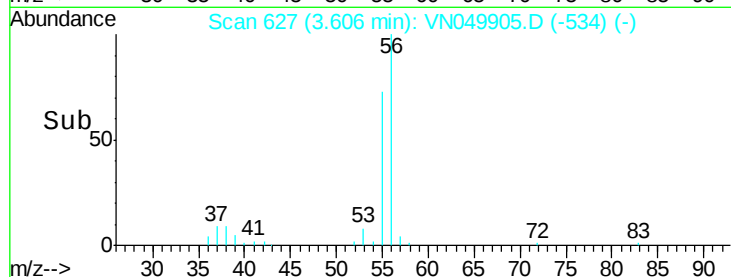
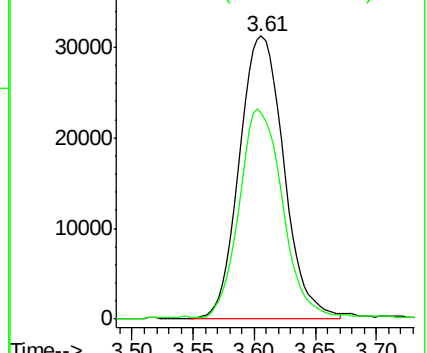
56 100

55 73.9 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049905.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049905.D (-534) (-)



#14

Allyl chloride

Concen: 47.05 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

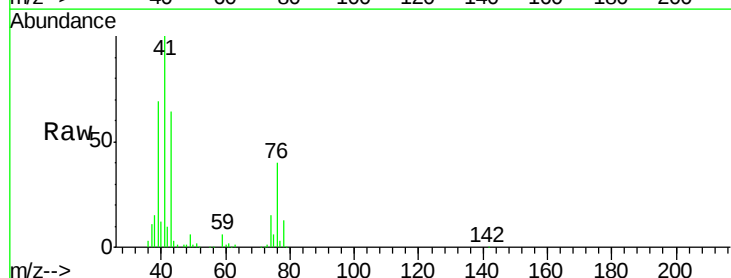
Tgt Ion: 41 Resp: 516901

Ion Ratio Lower Upper

41 100

39 67.9 53.2 79.8

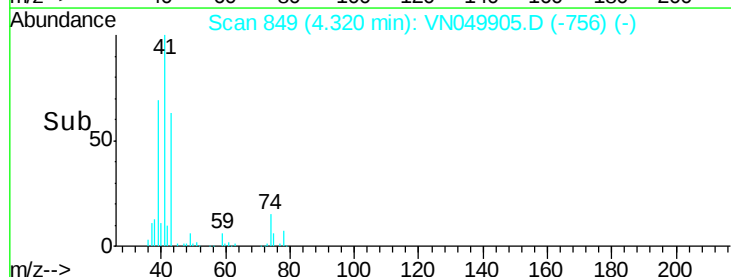
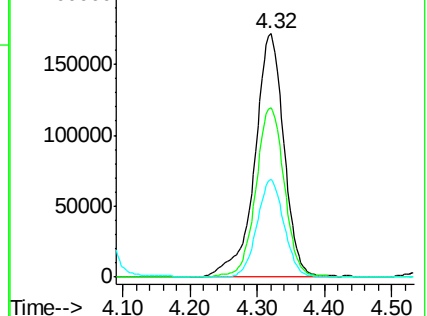
76 36.5 29.0 43.6

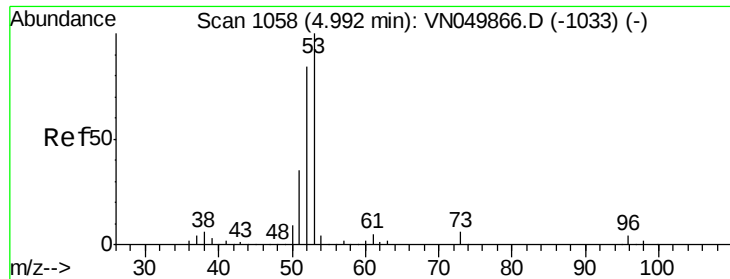


Abundance Ion 41.00 (40.70 to 41.70): VN049905.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN049905.D (-756) (-)

Ion 75.90 (75.60 to 76.60): VN049905.D (-756) (-)





#15

Acrylonitrile

Concen: 217.78 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

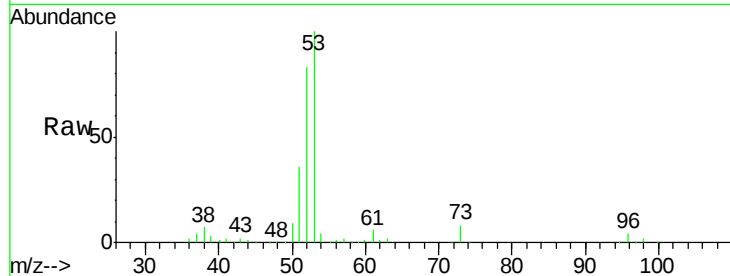
Tot Ion: 53 Resp: 602895

Ion Ratio Lower Upper

53 100

52 82.9 64.8 97.2

51 36.9 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN049866.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN049866.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN049866.D (-1033) (-)

4.99

200000

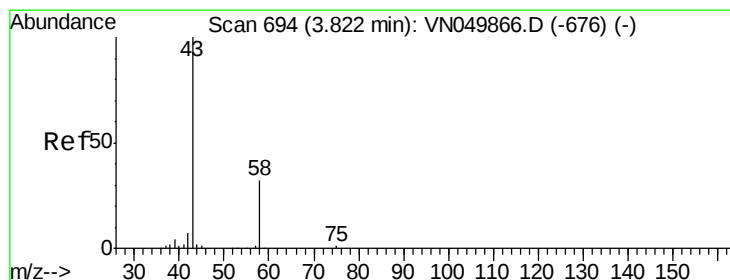
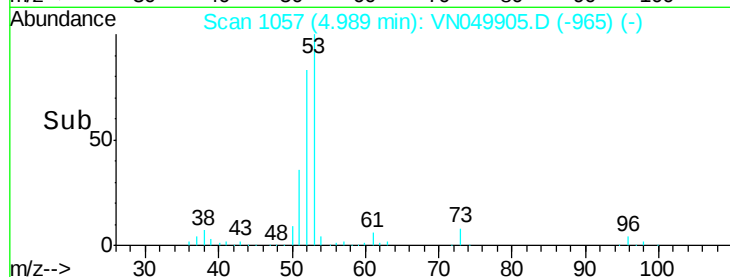
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 270.90 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049905.D

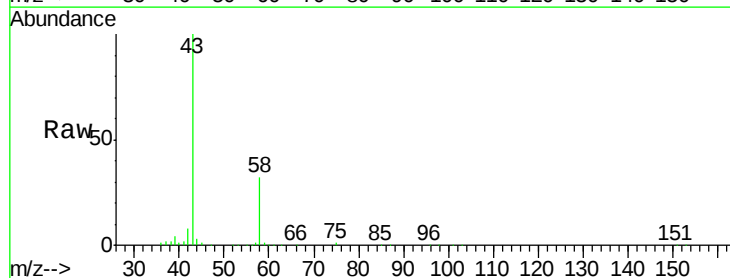
Acq: 19 Jul 2018 9:42

Tgt Ion: 43 Resp: 619707

Ion Ratio Lower Upper

43 100

58 32.1 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN049866.D (-676) (-)

3.82

250000

200000

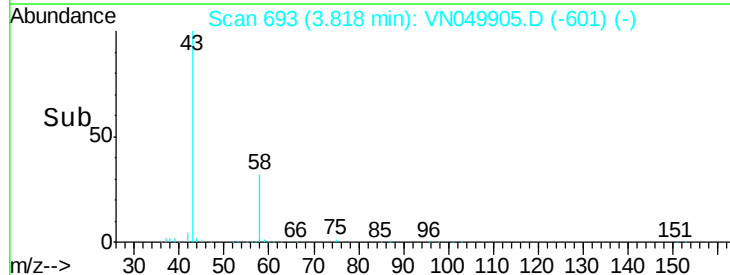
150000

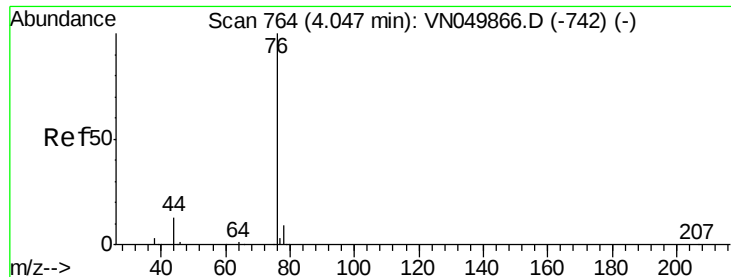
100000

50000

0

Time-->

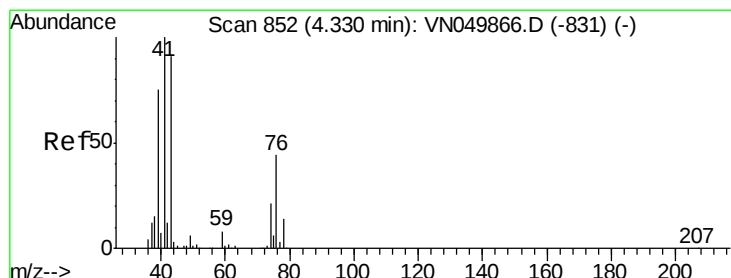
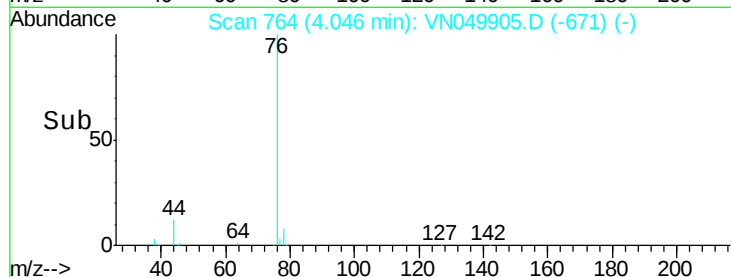
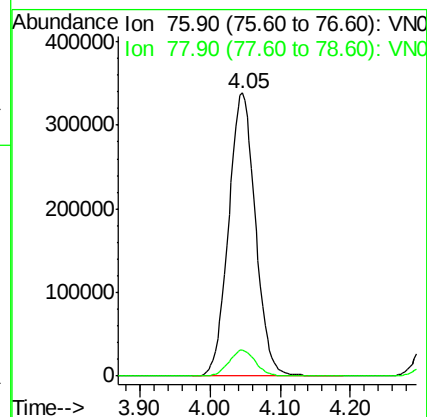
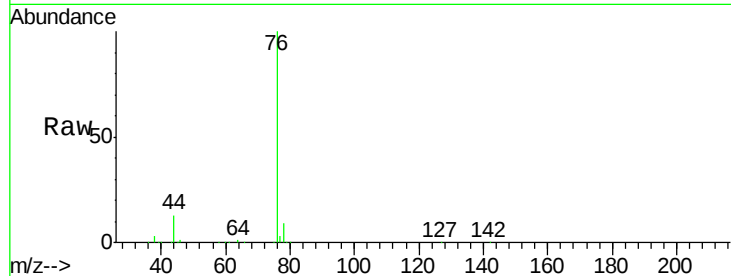




#17
Carbon Disulfide
Concen: 43.17 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

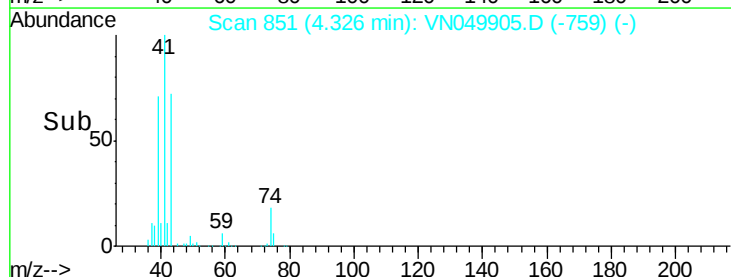
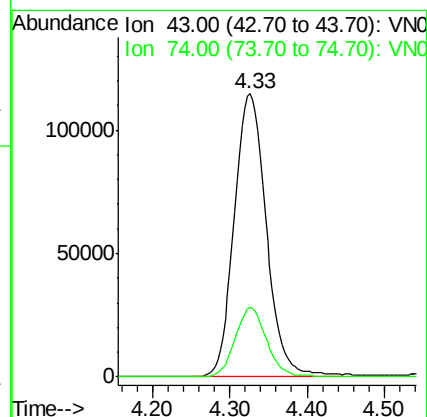
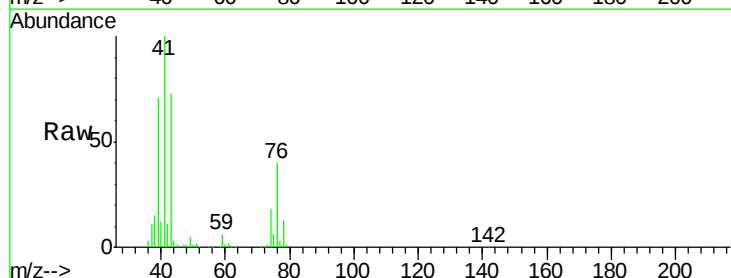
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

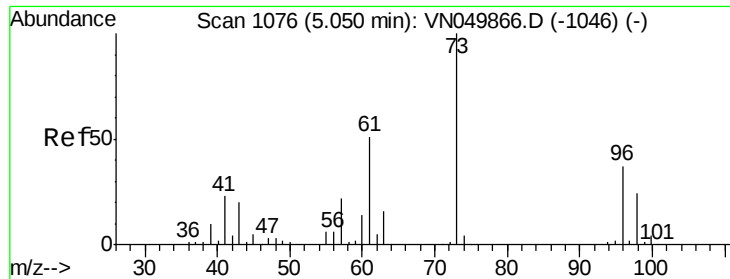
Tot Ion: 76 Resp: 900255
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 45.54 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 43 Resp: 327894
Ion Ratio Lower Upper
43 100
74 23.9 19.8 29.8

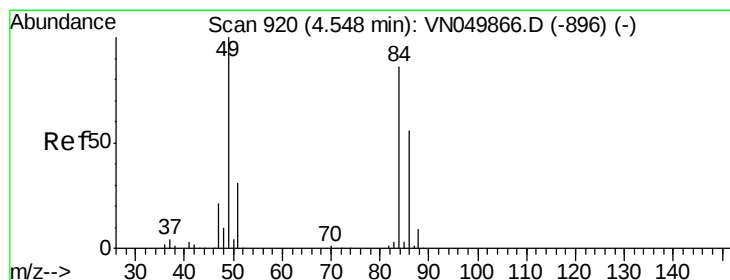
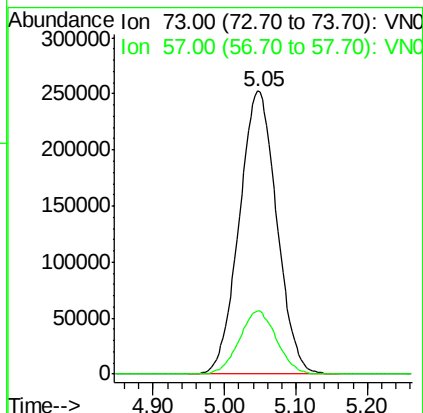
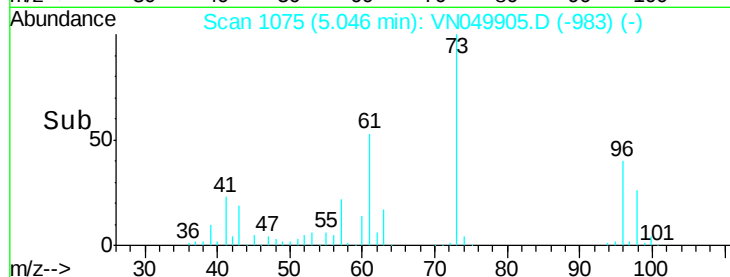
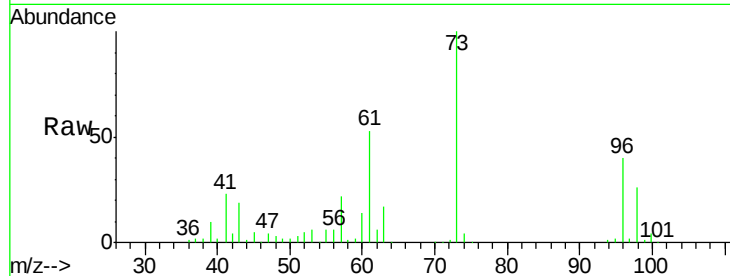




#19
Methyl tert-butyl Ether
Concen: 48.10 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

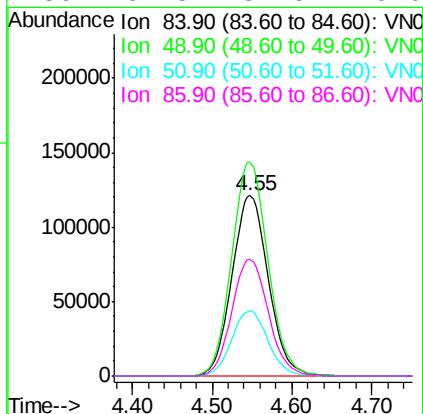
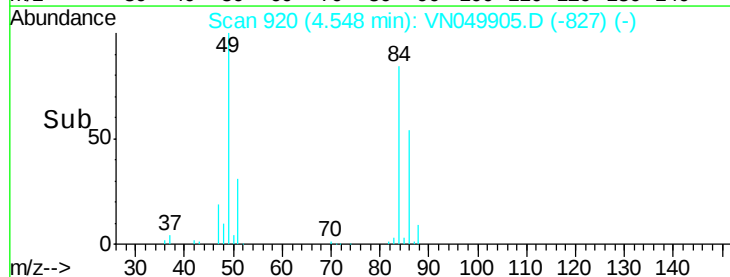
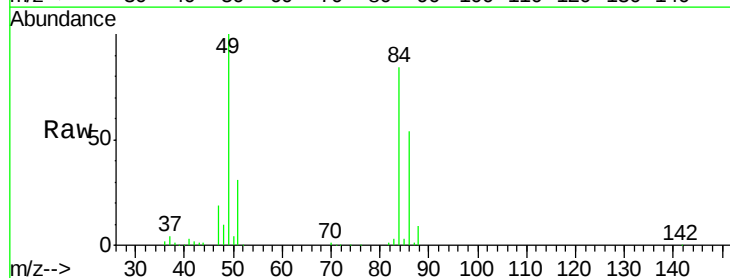
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

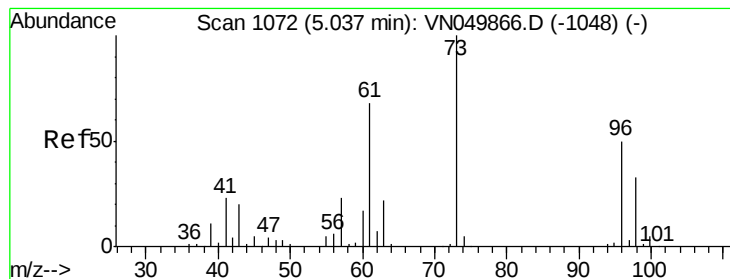
Tot Ion: 73 Resp: 922472
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1



#20
Methylene Chloride
Concen: 42.87 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 84 Resp: 372914
Ion Ratio Lower Upper
84 100
49 118.4 95.4 143.2
51 36.3 28.4 42.6
86 64.5 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.99 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

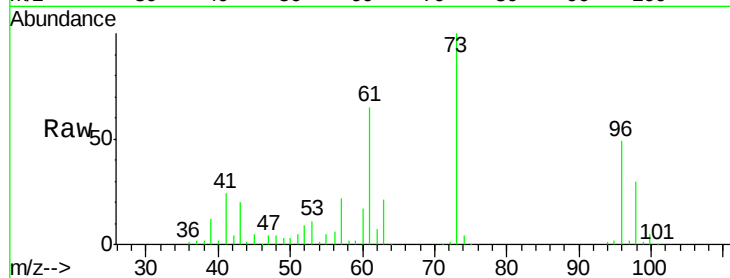
Tot Ion: 96 Resp: 347720

Ion Ratio Lower Upper

96 100

61 134.2 109.0 163.6

98 61.7 51.1 76.7

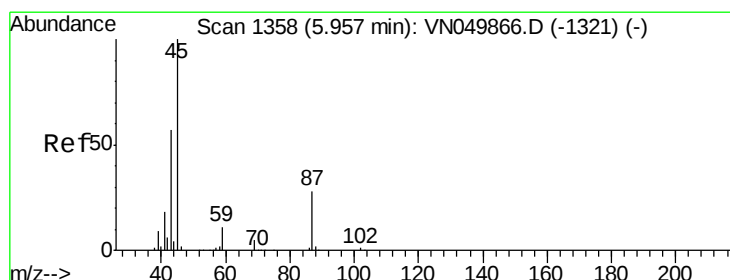
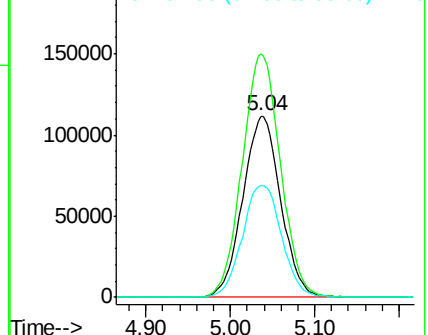
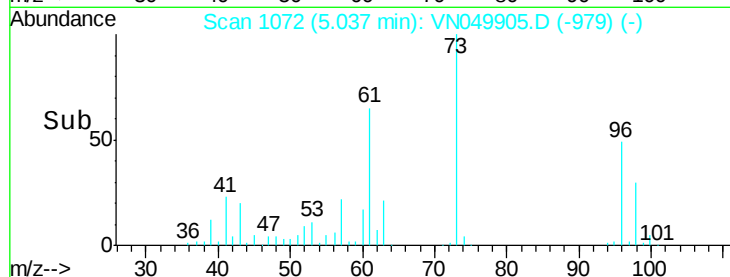


Abundance

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: 49.38 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion: 45 Resp: 1107122

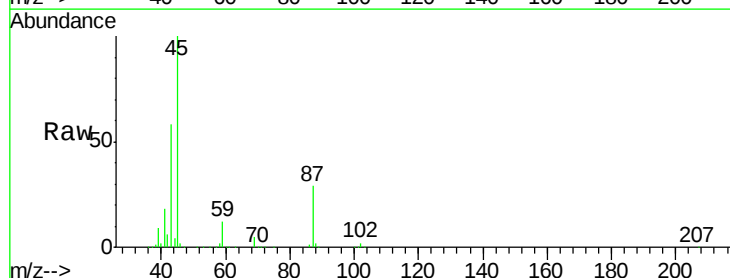
Ion Ratio Lower Upper

45 100

43 57.1 48.1 72.1

87 28.6 22.6 34.0

59 11.7 9.2 13.8



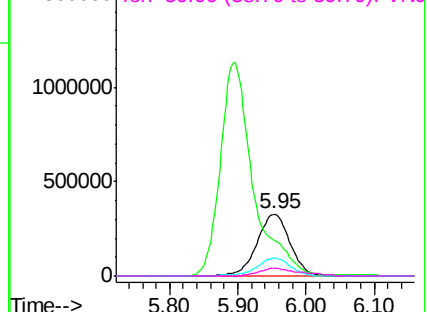
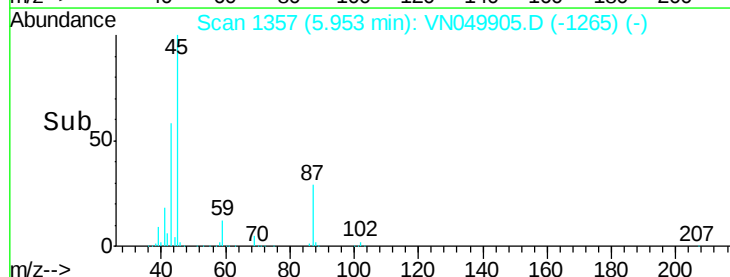
Abundance

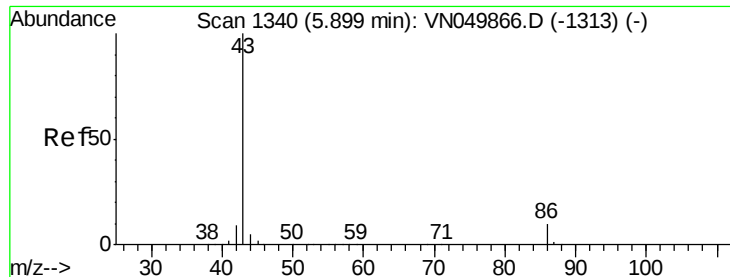
Ion 45.00 (44.70 to 45.70): VN0

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: 241.92 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

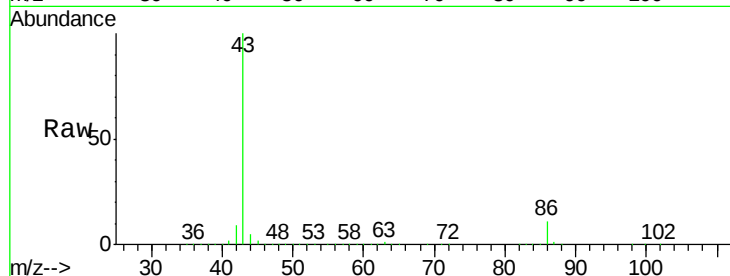
VSTDCCC050

Tot Ion: 43 Resp: 3805608

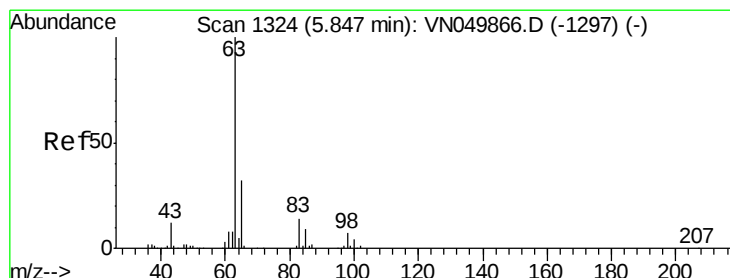
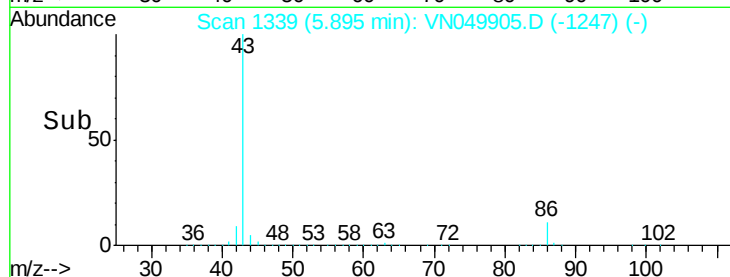
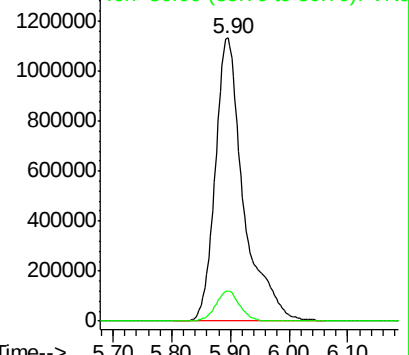
Ion Ratio Lower Upper

43 100

86 10.6 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049905.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 45.22 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

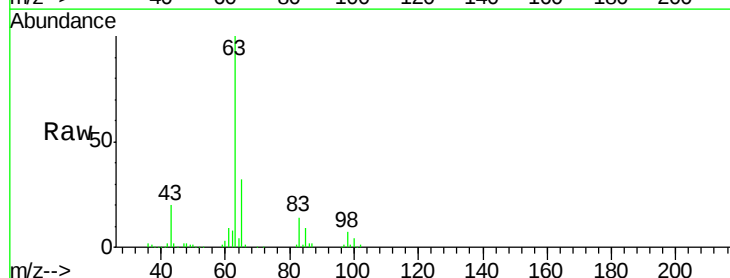
Tgt Ion: 63 Resp: 650780

Ion Ratio Lower Upper

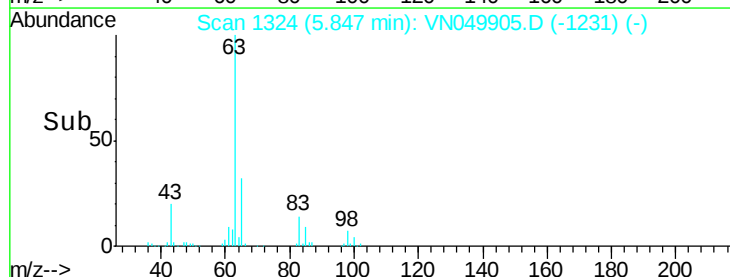
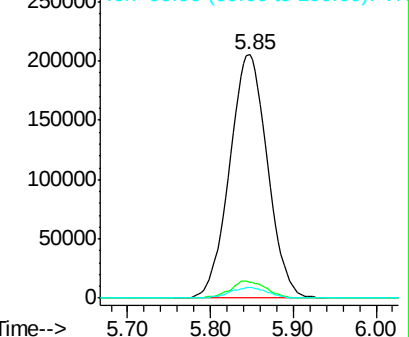
63 100

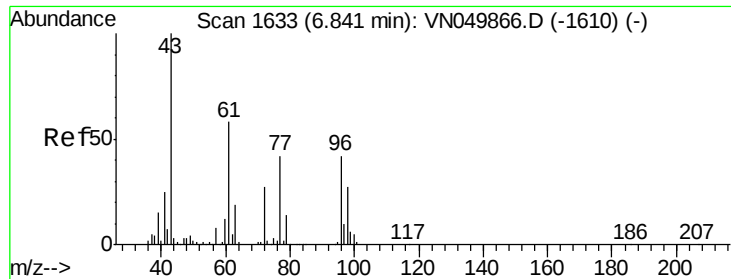
98 6.7 3.4 10.2

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN049905.D (-1231) (-)

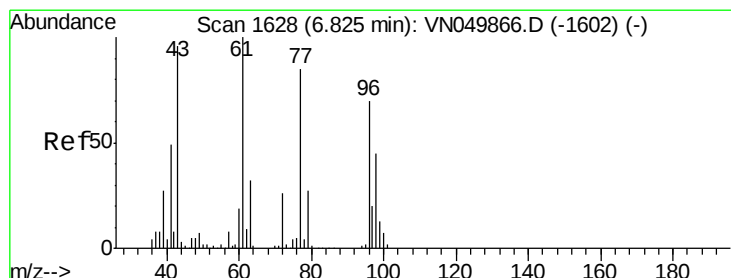
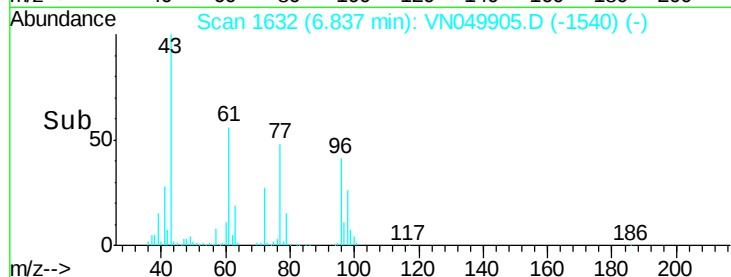
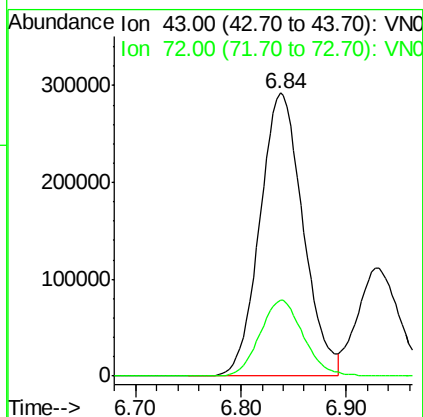
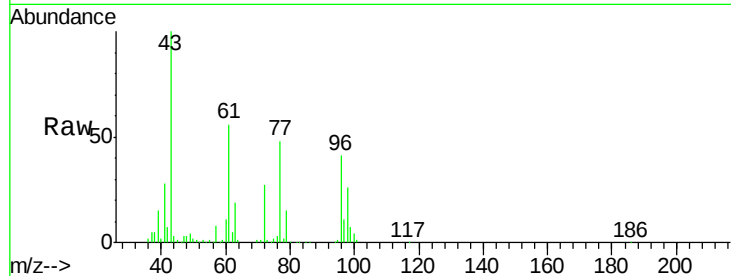




#25
2-Butanone
Concen: 253.49 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

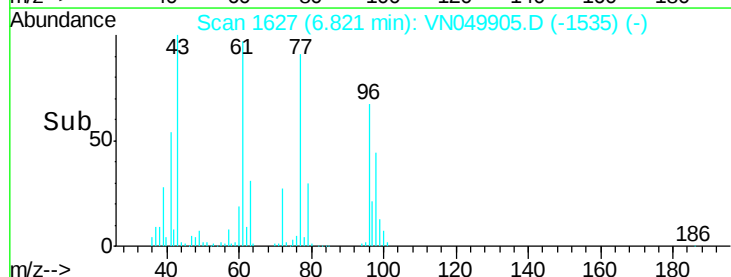
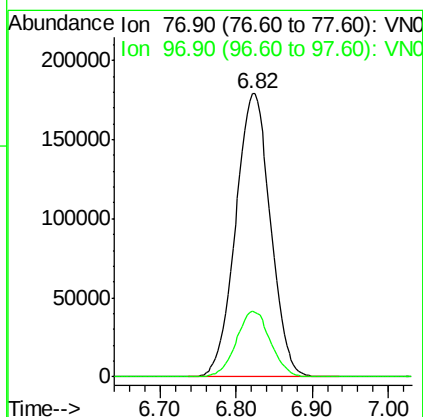
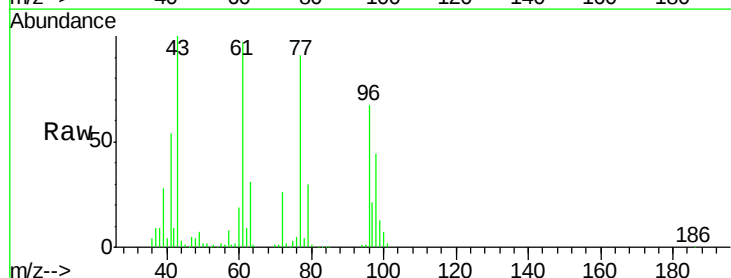
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

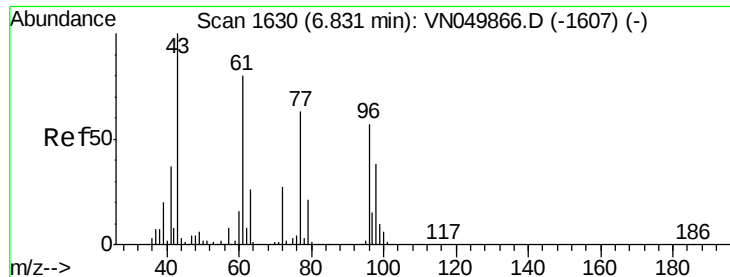
Tot Ion: 43 Resp: 828778
Ion Ratio Lower Upper
43 100
72 26.8 22.1 33.1



#26
2,2-Dichloropropane
Concen: 50.92 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 77 Resp: 570258
Ion Ratio Lower Upper
77 100
97 22.7 11.9 35.5

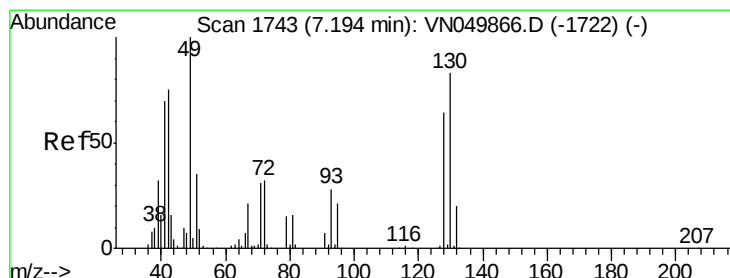
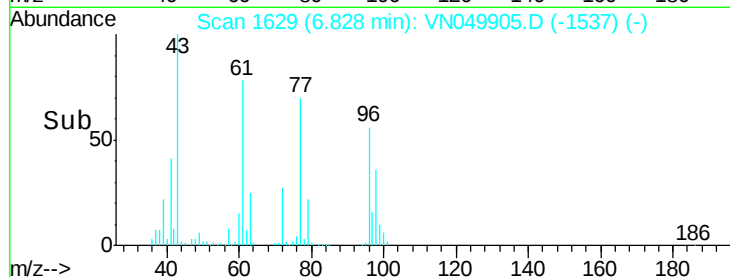
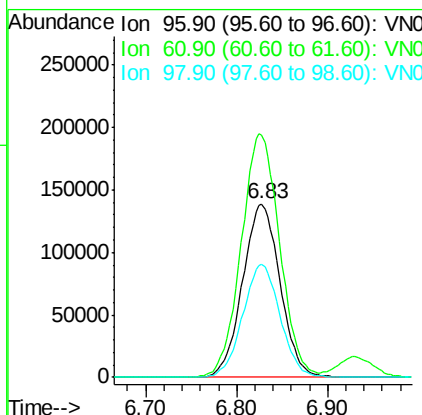
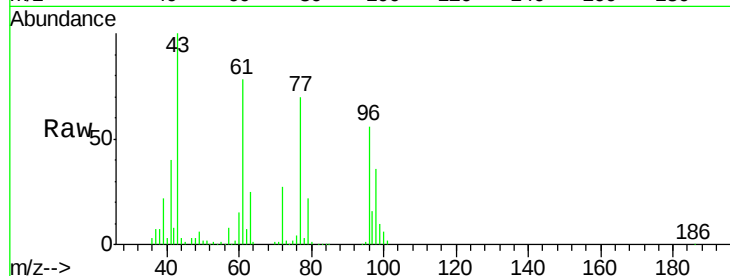




#27
 cis-1,2-Dichloroethene
 Concen: 48.92 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

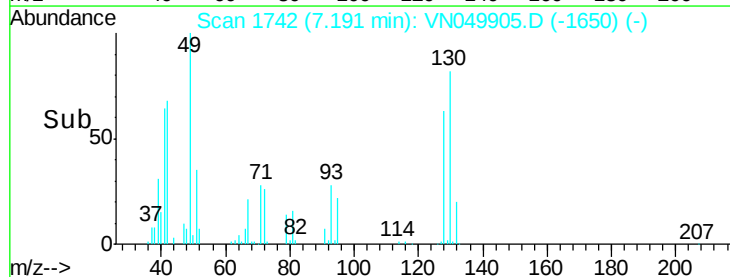
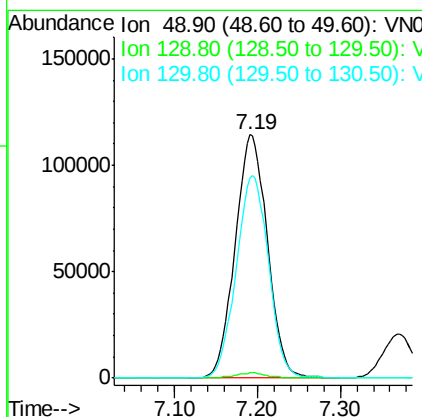
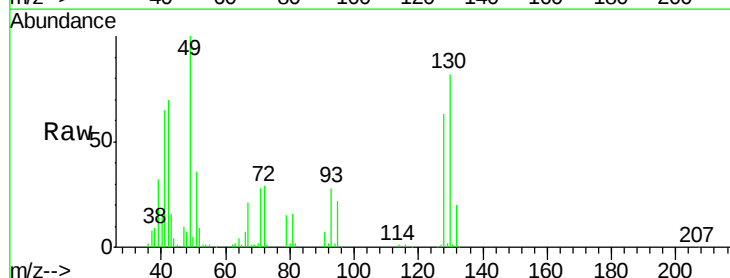
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

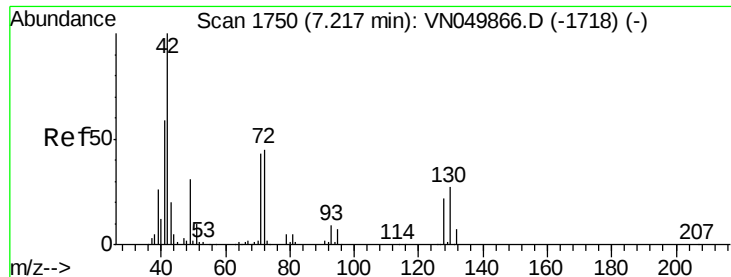
Tot Ion: 96 Resp: 397291
 Ion Ratio Lower Upper
 96 100
 61 143.8 0.0 289.0
 98 64.9 0.0 130.2



#28
 Bromochloromethane
 Concen: 47.71 ug/l
 RT: 7.19 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 49 Resp: 310147
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.2
 130 82.9 65.5 98.3

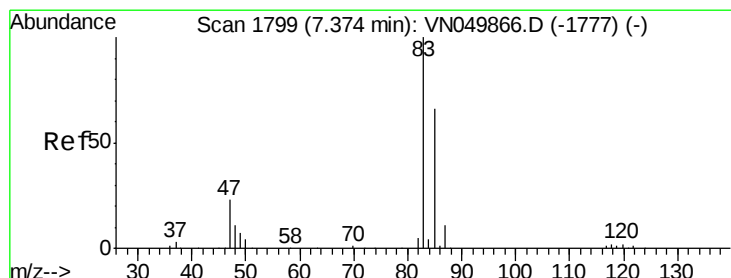
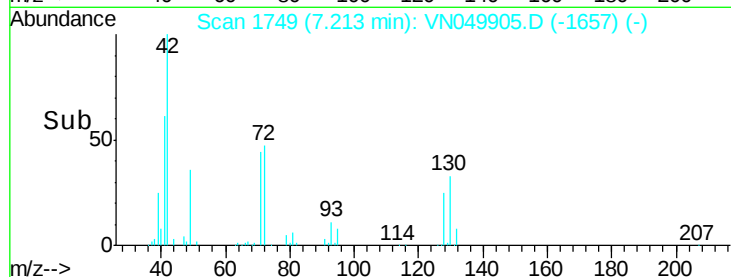
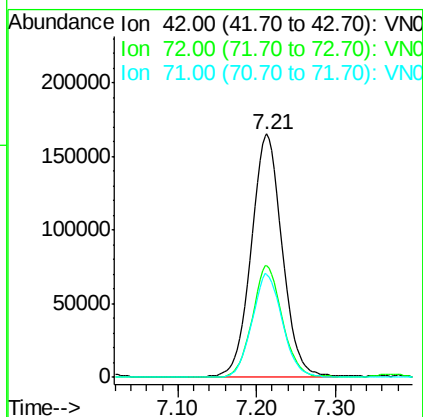
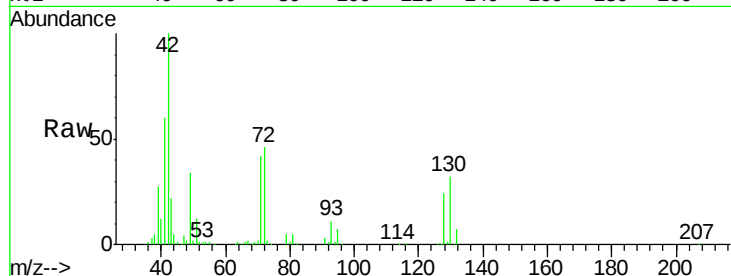




#29
Tetrahydrofuran
Concen: 224.05 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

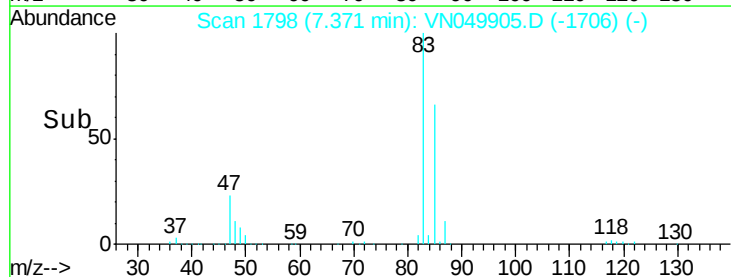
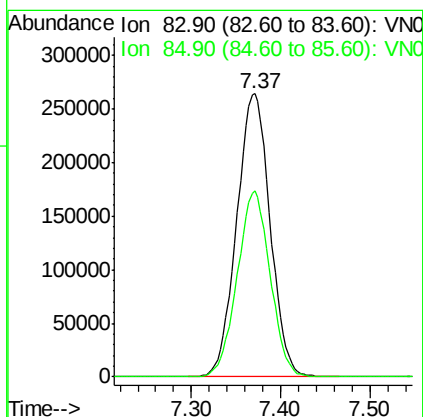
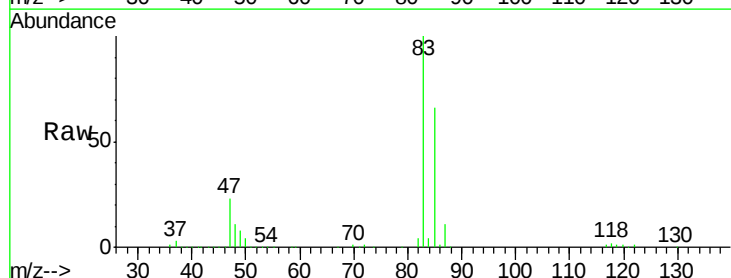
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

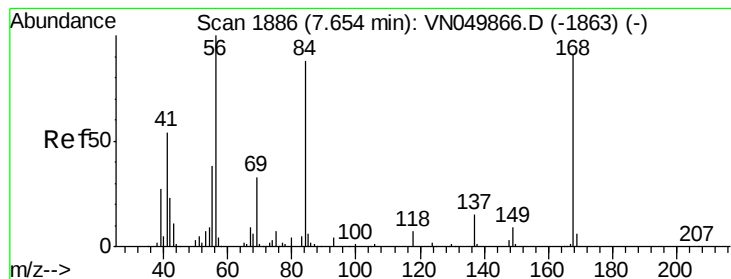
Tot Ion: 42 Resp: 461458
Ion Ratio Lower Upper
42 100
72 44.6 35.6 53.4
71 41.9 34.0 51.0



#30
Chloroform
Concen: 46.41 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 83 Resp: 685754
Ion Ratio Lower Upper
83 100
85 65.7 51.4 77.2





#31

Cyclohexane

Concen: 48.08 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

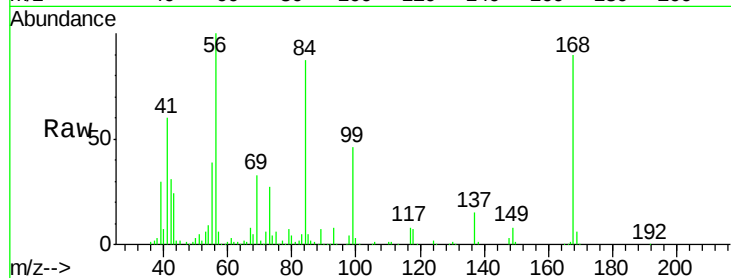
Tot Ion: 56 Resp: 563221

Ion Ratio Lower Upper

56 100

69 33.0 26.6 40.0

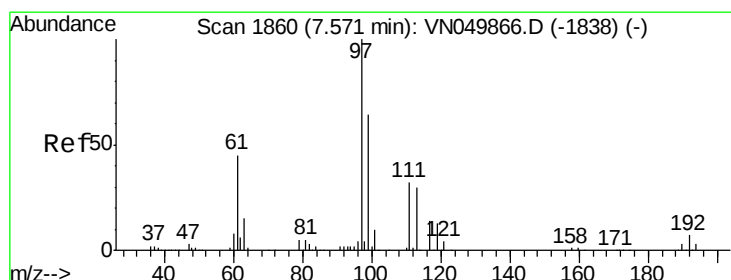
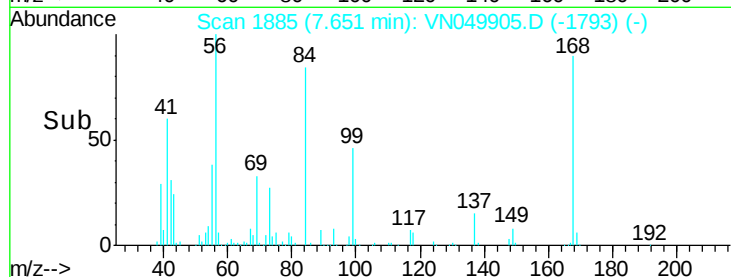
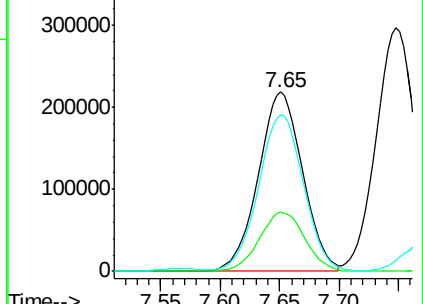
84 85.7 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049866.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN049866.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN049866.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 45.55 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

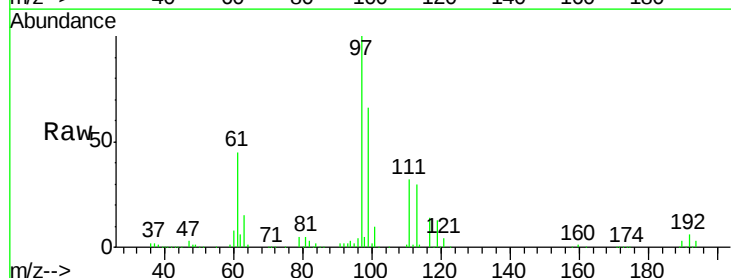
Tgt Ion: 97 Resp: 581677

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

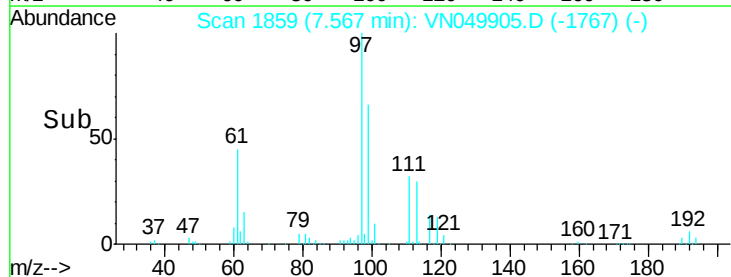
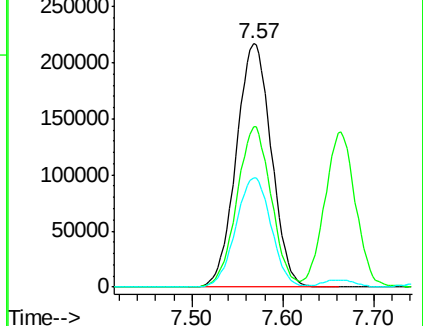
61 45.1 35.5 53.3

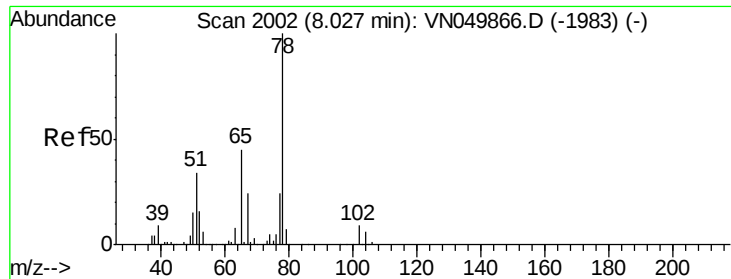


Abundance Ion 96.90 (96.60 to 97.60): VN049866.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN049866.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN049866.D (-1838) (-)





#33

1,2-Dichloroethane-d4

Concen: 47.58 ug/l

RT: 8.02 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

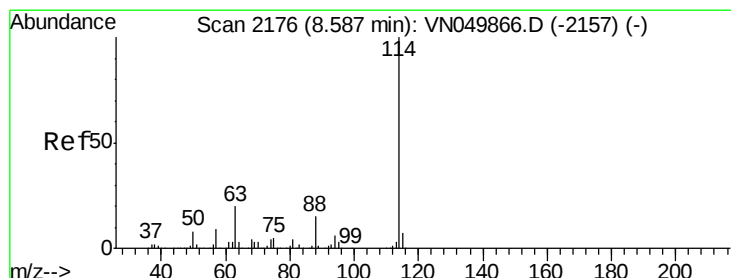
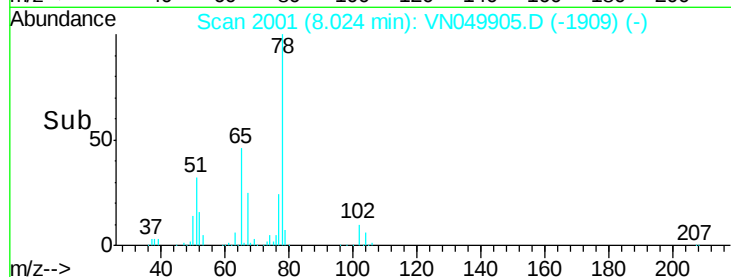
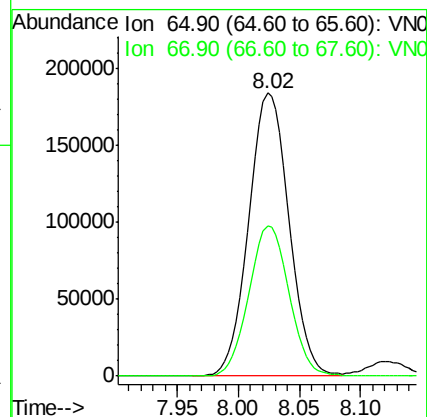
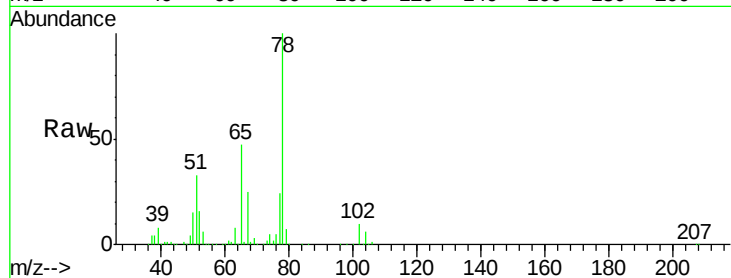
VSTDCCC050

Tot Ion: 65 Resp: 420371

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

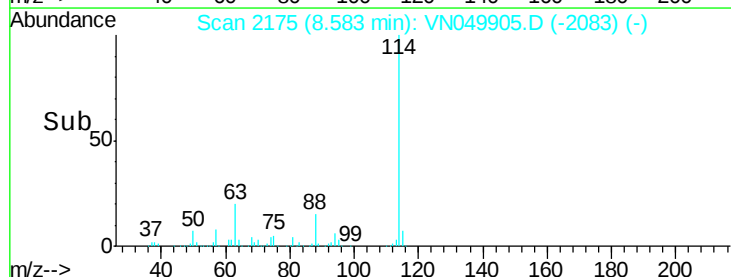
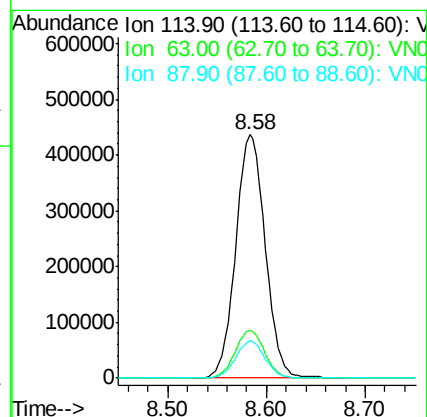
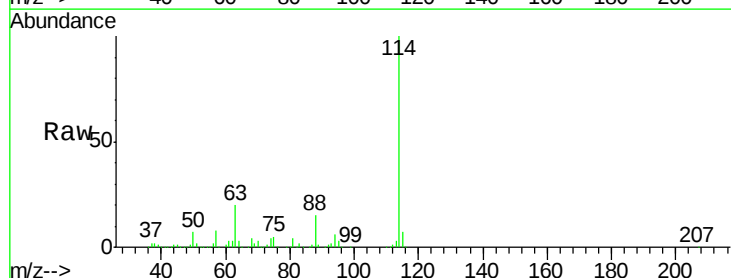
Tgt Ion: 114 Resp: 907229

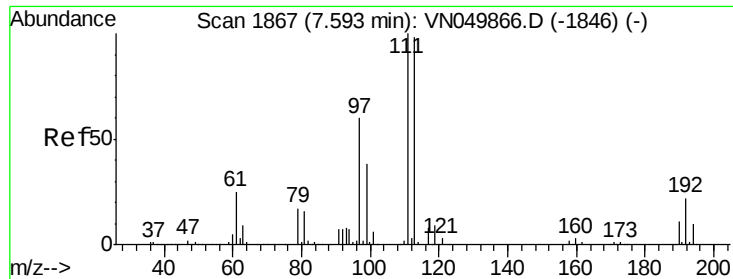
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.8

88 15.2 0.0 30.6

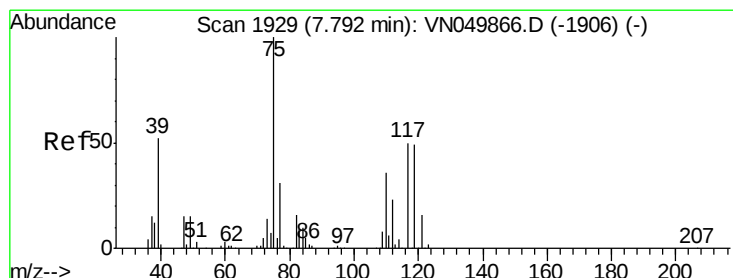
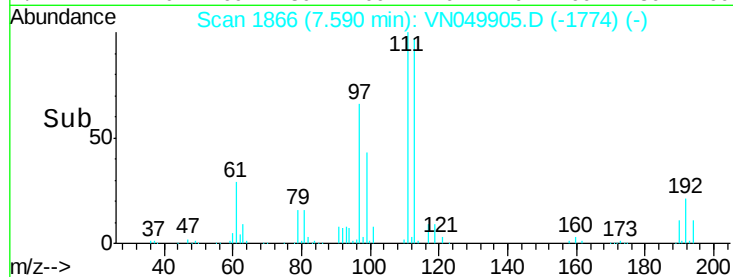
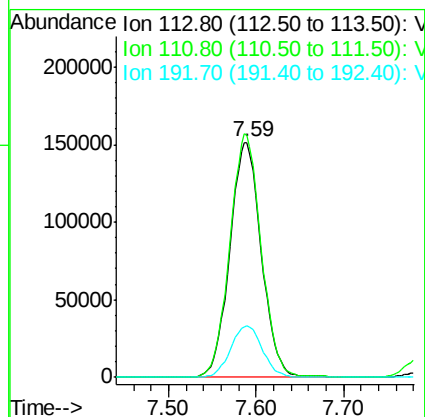
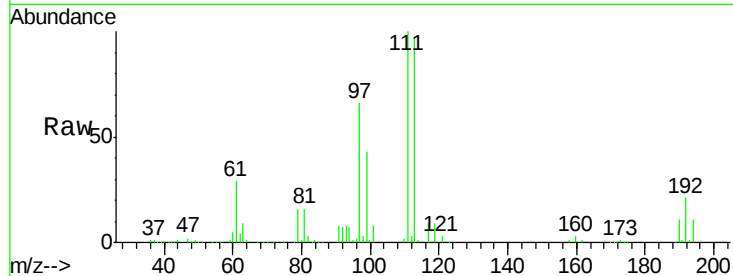




#35
 Dibromofluoromethane
 Concen: 49.61 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

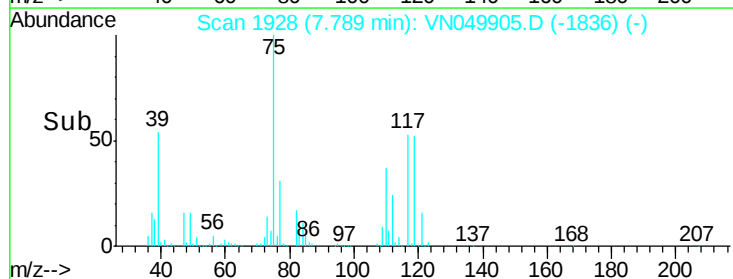
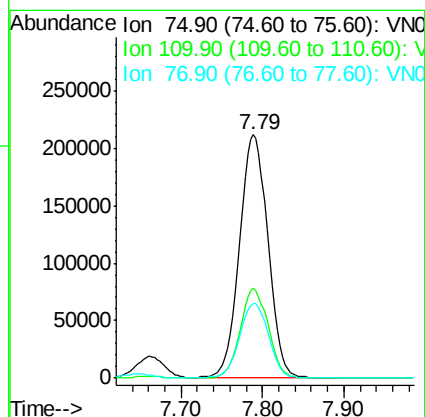
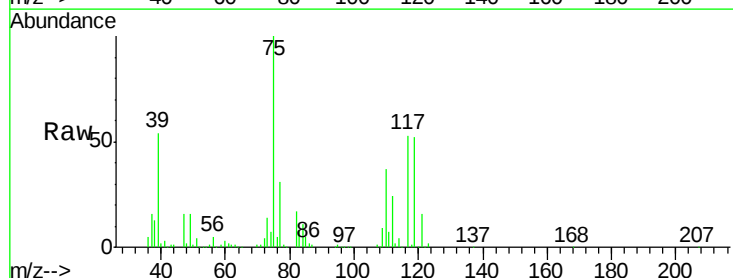
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

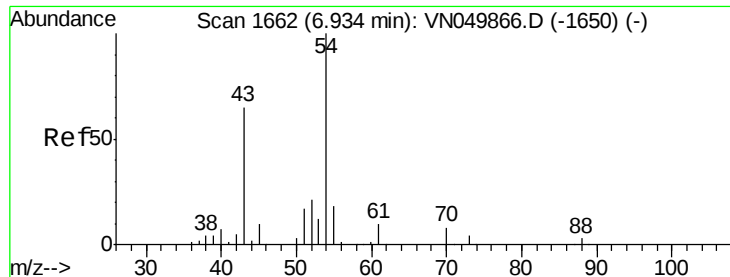
Tot Ion:113 Resp: 377837
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.8 122.8
 192 22.2 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 50.56 ug/l
 RT: 7.79 min Scan# 1928
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 75 Resp: 509970
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.4
 77 31.5 24.9 37.3

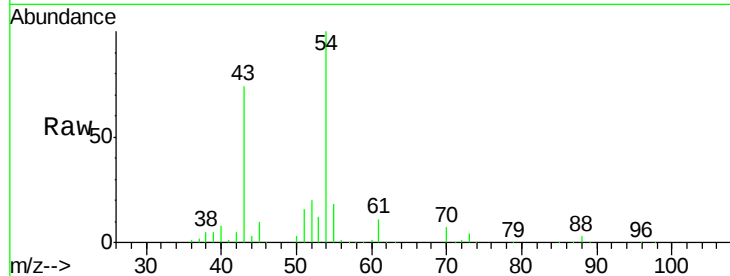




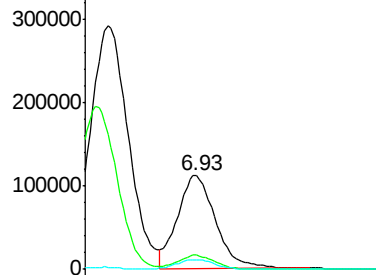
#37
Ethyl Acetate
Concen: 45.31 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

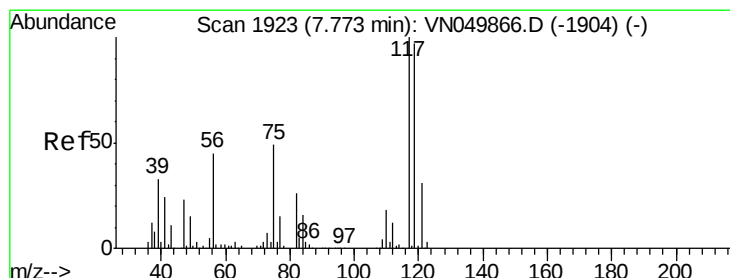
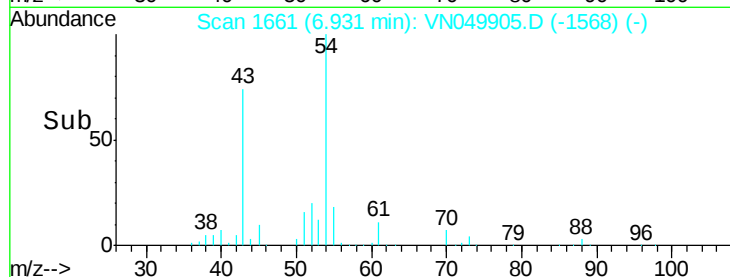
Tot Ion: 43 Resp: 313860
Ion Ratio Lower Upper
43 100
61 14.0 11.7 17.5
70 10.5 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-1650) (-)
Ion 60.90 (60.60 to 61.60): VN049866.D (-1650) (-)
Ion 70.00 (69.70 to 70.70): VN049866.D (-1650) (-)

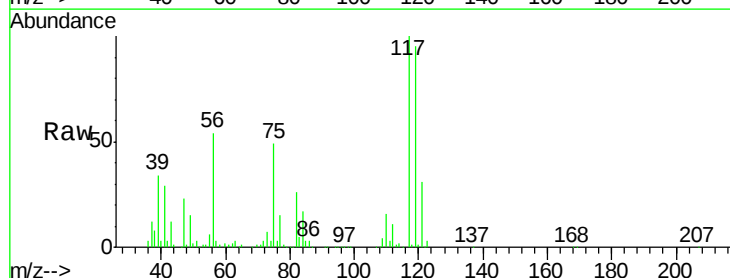


Time-->

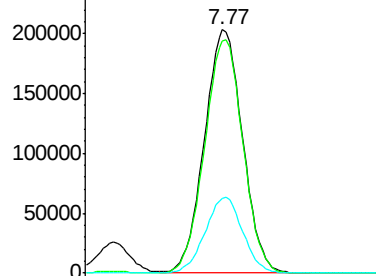


#38
Carbon Tetrachloride
Concen: 48.26 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

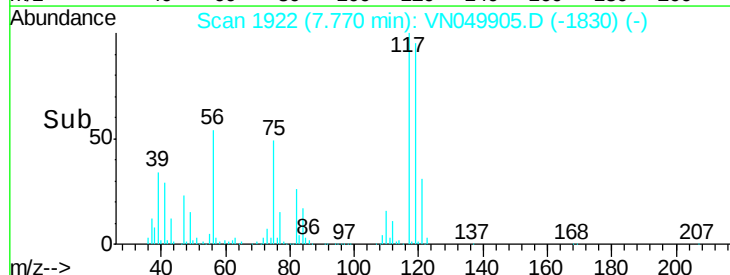
Tgt Ion: 117 Resp: 521439
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8
121 30.9 25.0 37.6

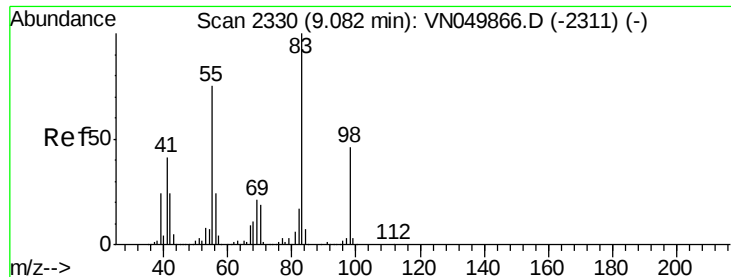


Abundance Ion 116.80 (116.50 to 117.50): VN049866.D (-1904) (-)
Ion 118.80 (118.50 to 119.50): VN049866.D (-1904) (-)
Ion 120.80 (120.50 to 121.50): VN049866.D (-1904) (-)



Time-->

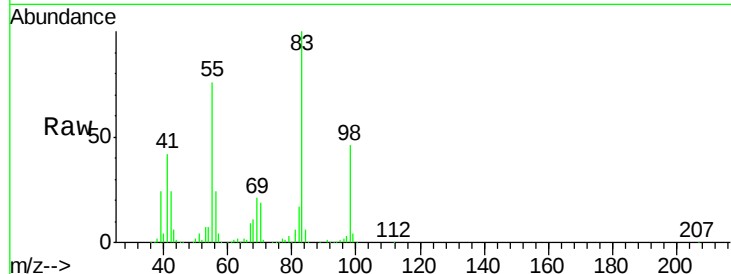




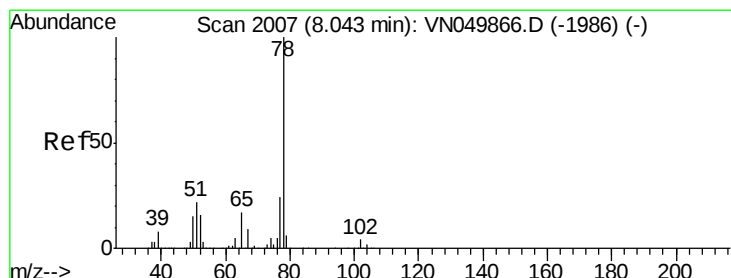
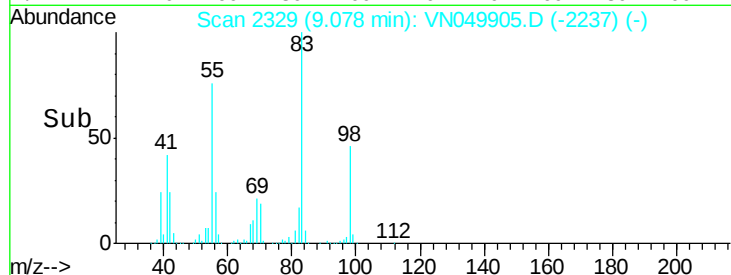
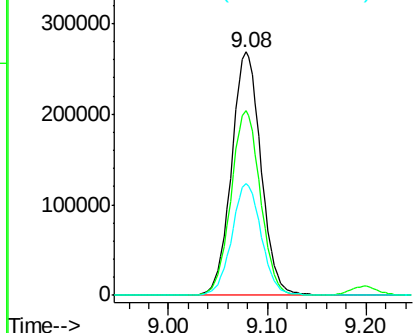
#39
Methvlcvclohexane
Concen: 53.50 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 557562
Ion Ratio Lower Upper
83 100
55 76.1 59.7 89.5
98 45.8 36.5 54.7

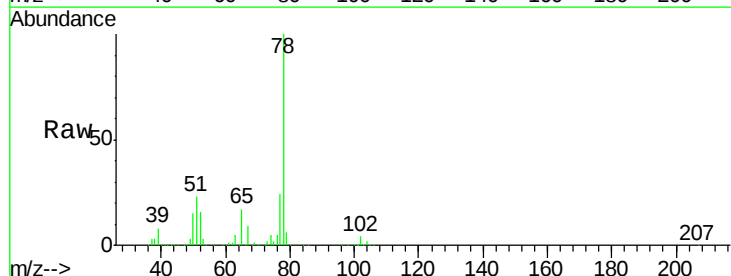


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

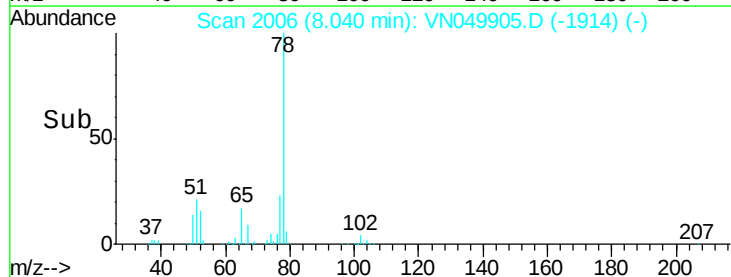
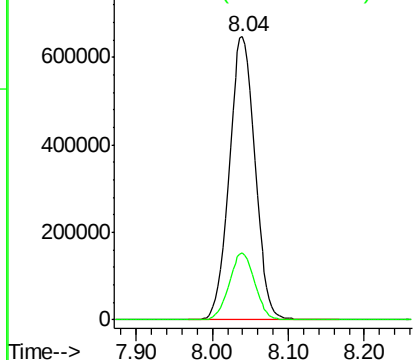


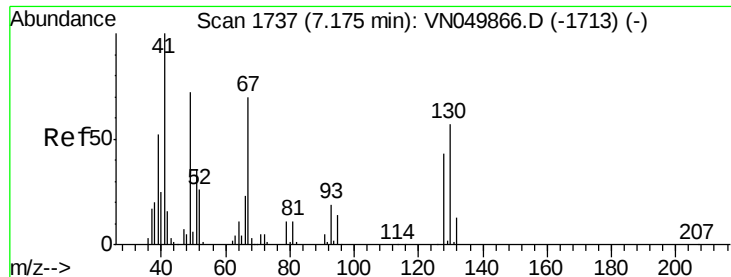
#40
Benzene
Concen: 49.58 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 78 Resp: 1524293
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



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

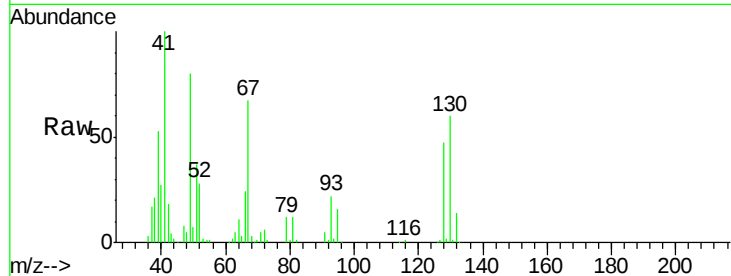




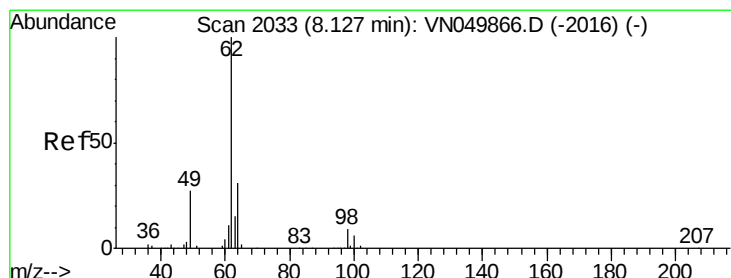
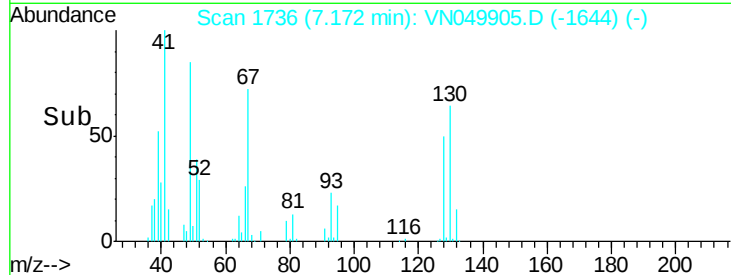
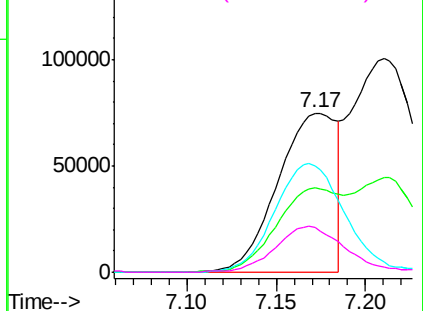
#41
Methacrylonitrile
Concen: 49.44 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 171685
Ion Ratio Lower Upper
41 100
39 57.2 45.4 68.2
67 82.4 65.4 98.0
52 33.6 24.7 37.1

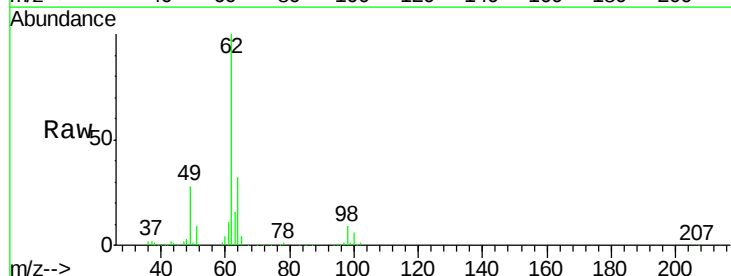


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

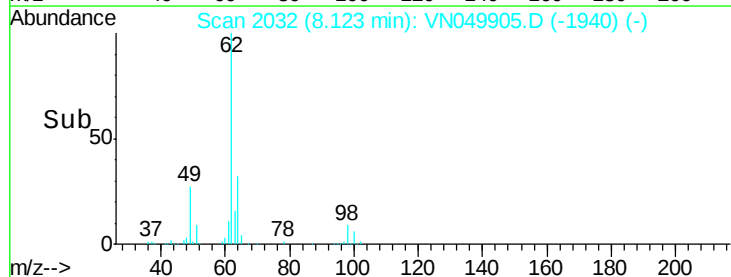
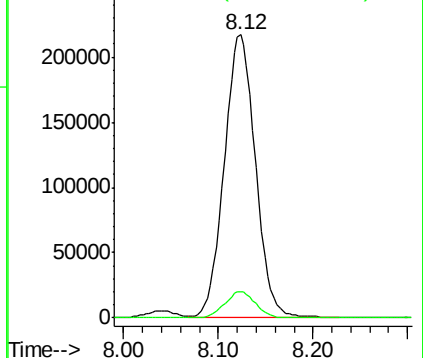


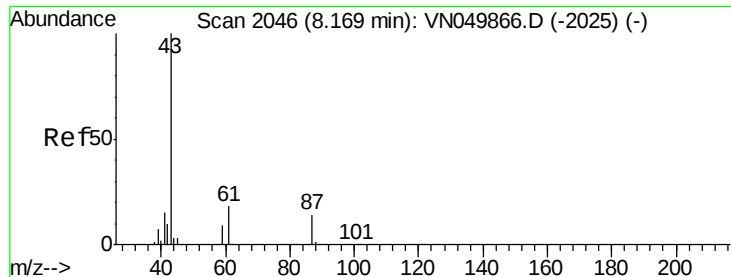
#42
1,2-Dichloroethane
Concen: 48.60 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 62 Resp: 494904
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 47.84 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.01 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

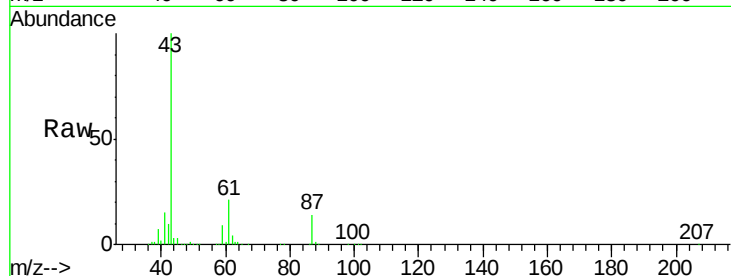
Tot Ion: 43 Resp: 578913

Ion Ratio Lower Upper

43 100

61 19.8 14.9 22.3

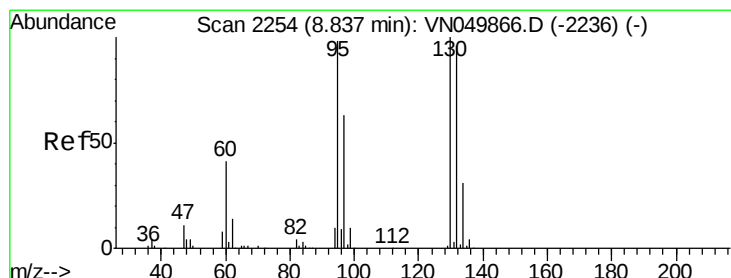
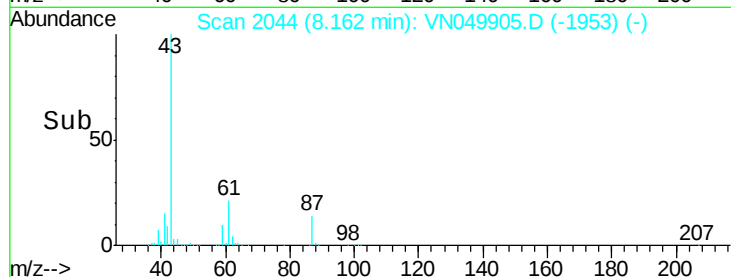
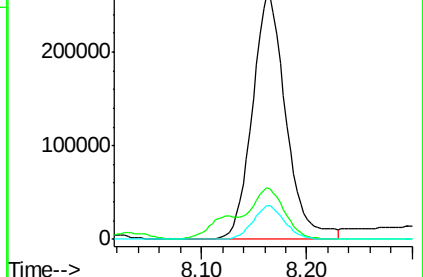
87 13.0 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN049866.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN049866.D (-2025) (-)



#44

Trichloroethene

Concen: 49.77 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049905.D

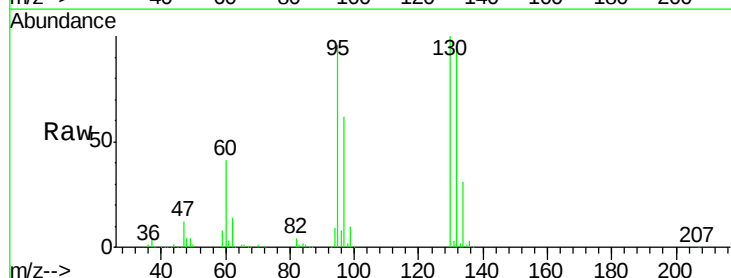
Acq: 19 Jul 2018 9:42

Tgt Ion: 130 Resp: 401216

Ion Ratio Lower Upper

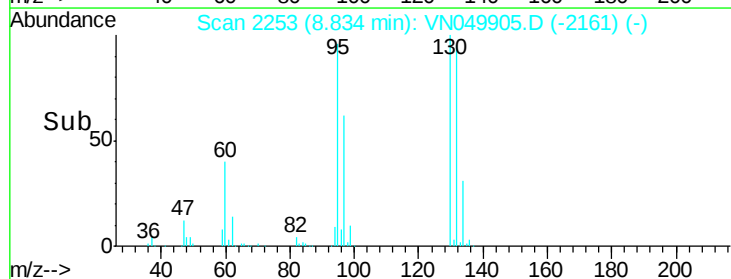
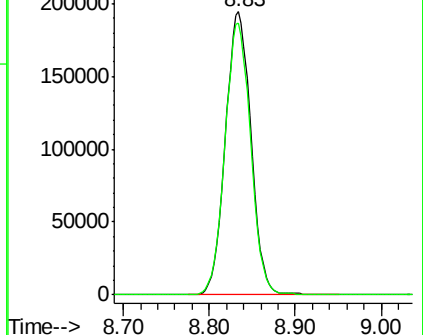
130 100

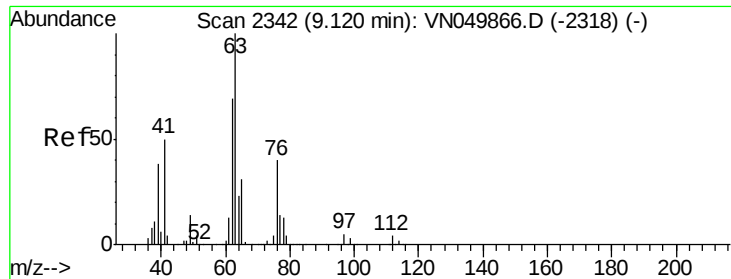
95 96.0 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN049866.D (-2236) (-)

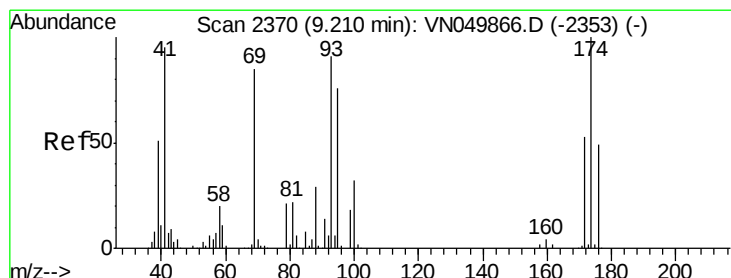
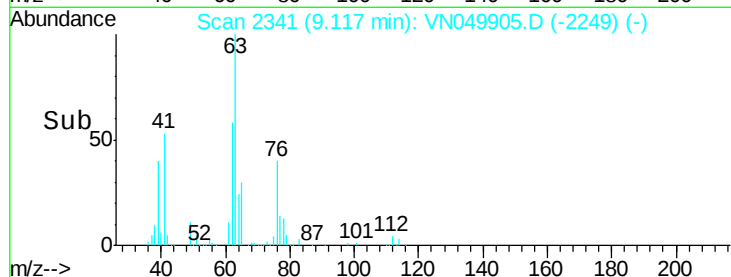
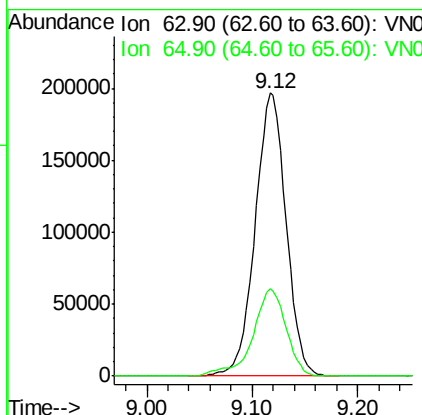
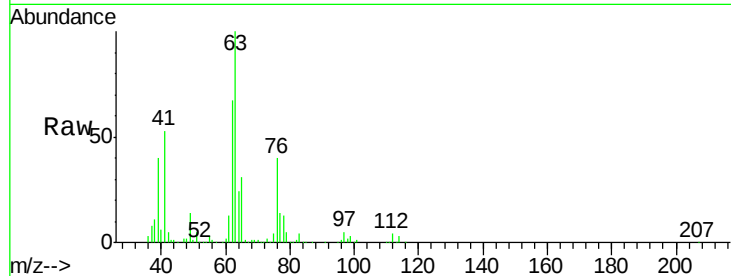




#45
 1,2-Dichloropropane
 Concen: 48.47 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

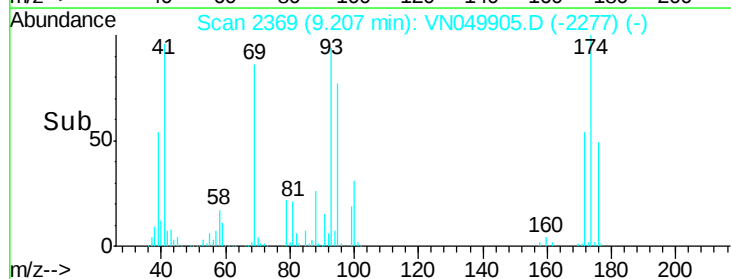
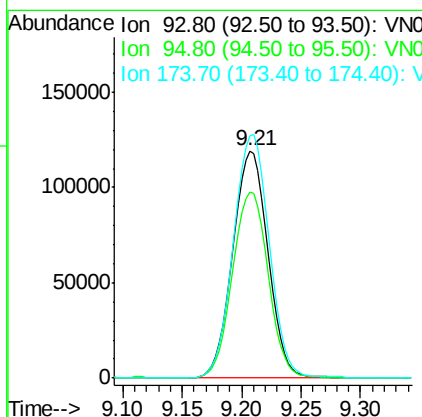
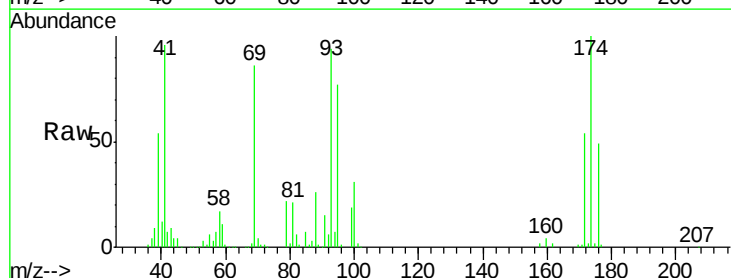
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

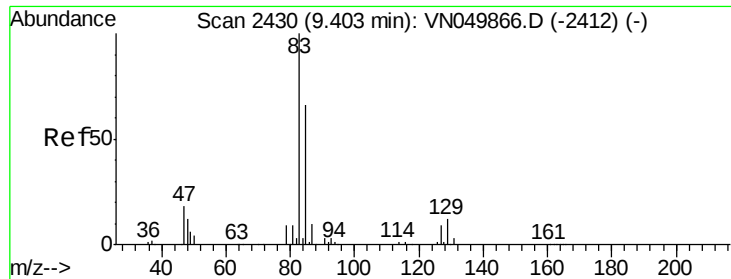
Tot Ion: 63 Resp: 401969
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.7 37.1



#46
 Dibromomethane
 Concen: 47.80 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 93 Resp: 245868
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.9 101.9
 174 108.5 89.4 134.0





#47

Bromodichloromethane

Concen: 49.36 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

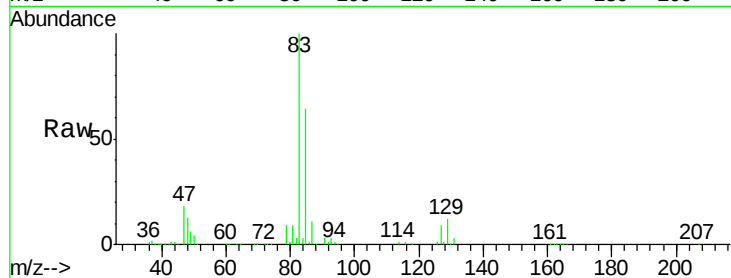
Tot Ion: 83 Resp: 525109

Ion Ratio Lower Upper

83 100

85 64.2 50.5 75.7

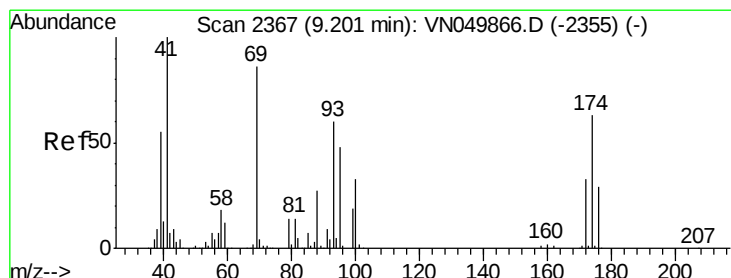
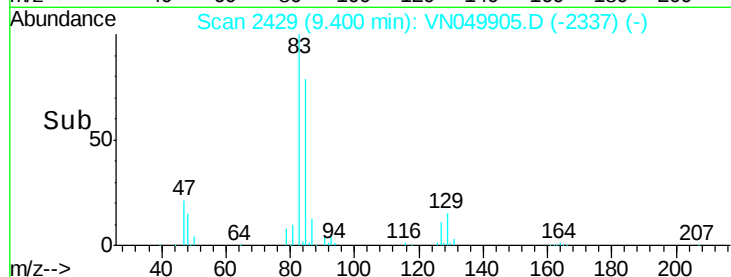
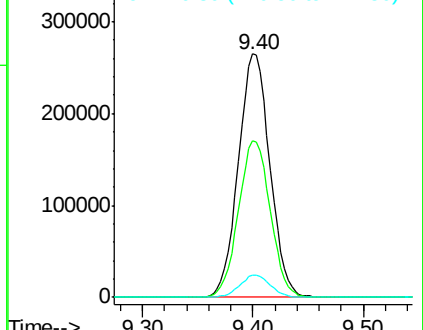
127 9.0 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN049905.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049905.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049905.D (-2337) (-)



#48

Methyl methacrylate

Concen: 47.68 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

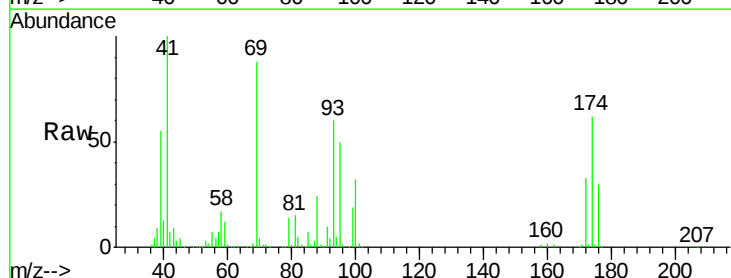
Tgt Ion: 41 Resp: 289449

Ion Ratio Lower Upper

41 100

69 88.4 71.5 107.3

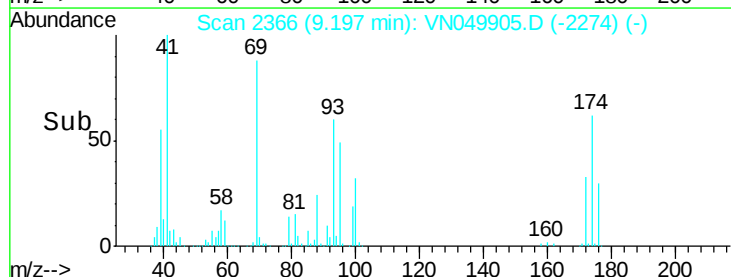
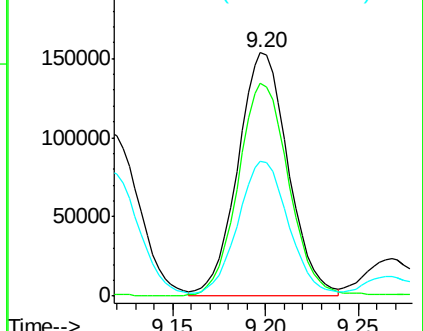
39 56.0 44.7 67.1

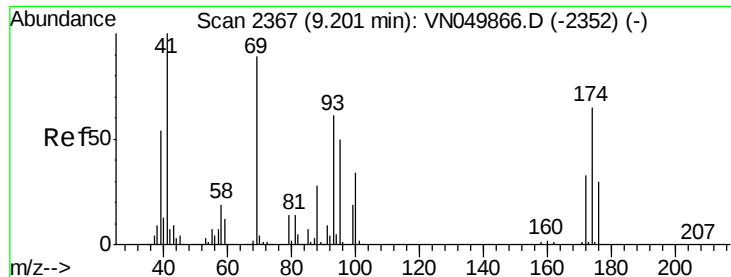


Abundance Ion 41.00 (40.70 to 41.70): VN049905.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049905.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049905.D (-2274) (-)

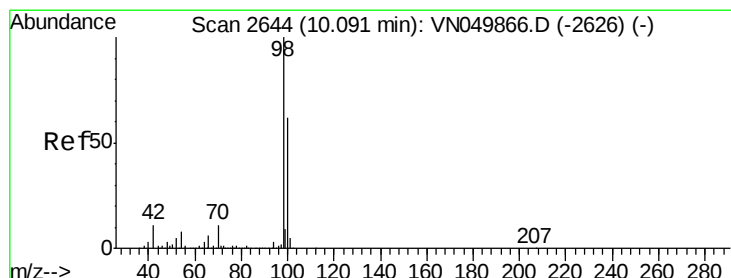
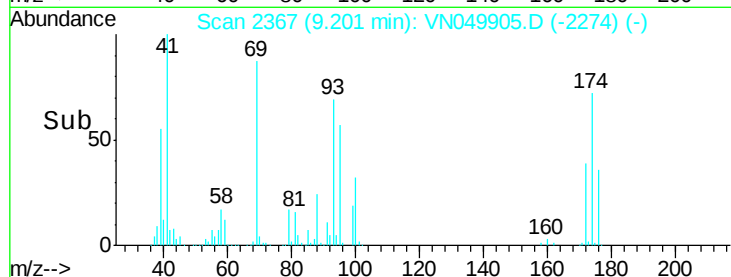
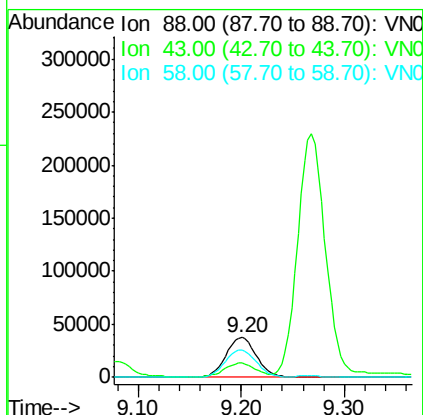
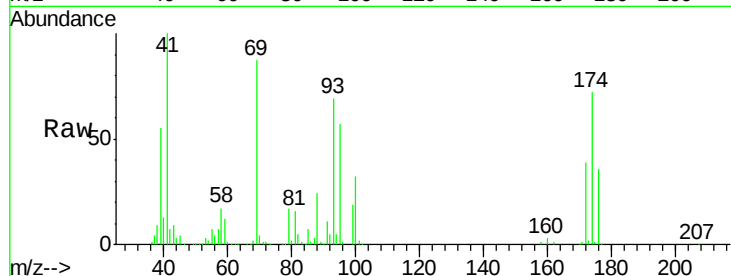




#49
1,4-Dioxane
Concen: 907.90 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

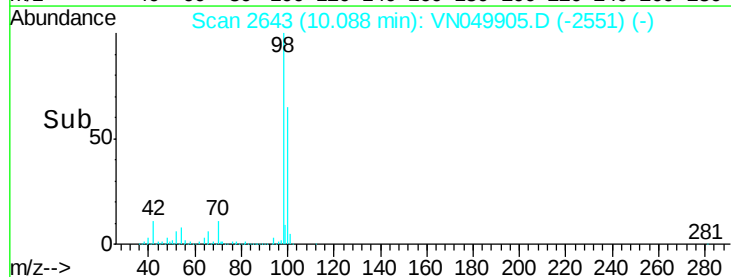
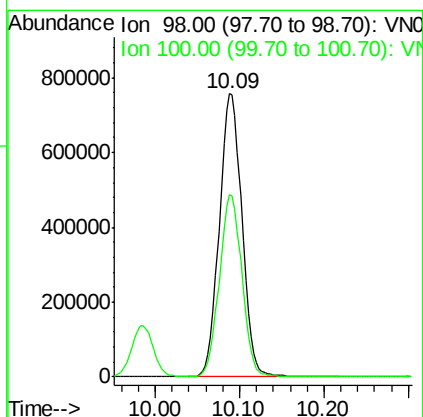
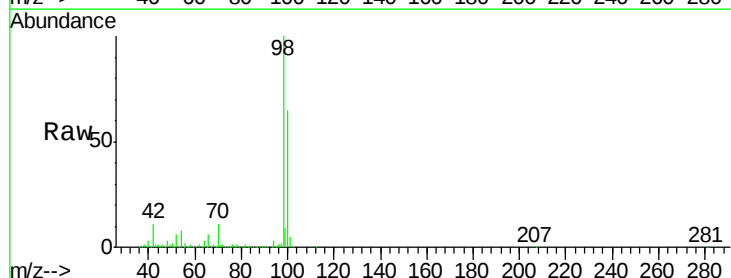
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

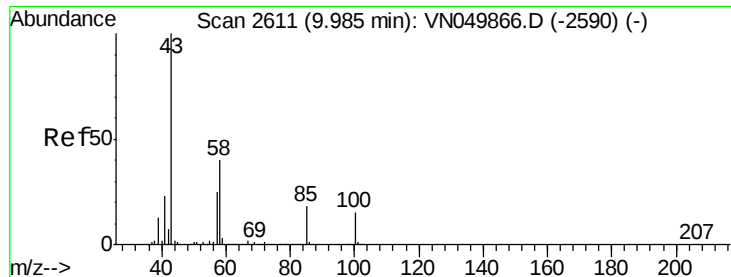
Tot Ion: 88 Resp: 78184
Ion Ratio Lower Upper
88 100
43 33.8 25.1 37.7
58 69.6 52.5 78.7



#50
Toluene-d8
Concen: 50.78 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 98 Resp: 1409133
Ion Ratio Lower Upper
98 100
100 64.1 51.7 77.5

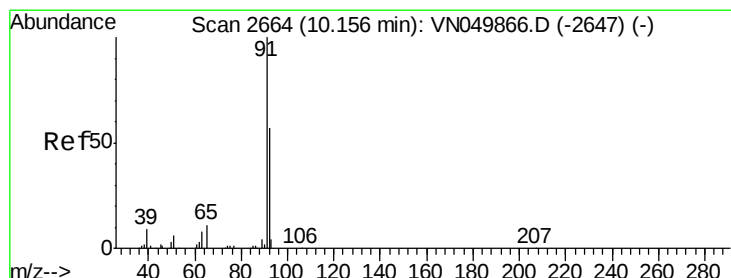
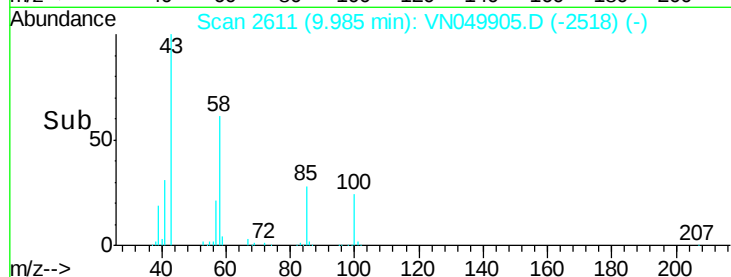
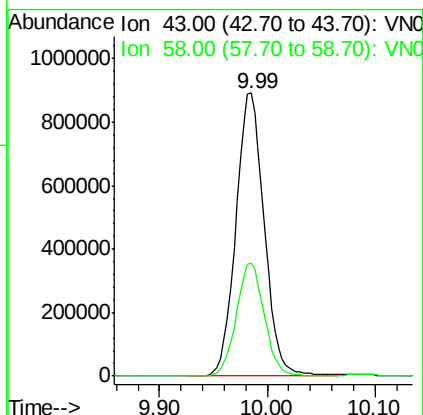
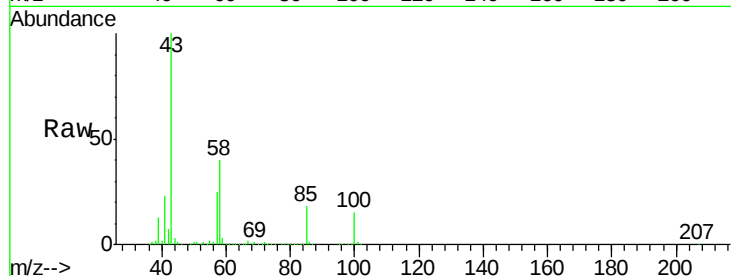




#51
 4-Methyl-2-Pentanone
 Concen: 240.91 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

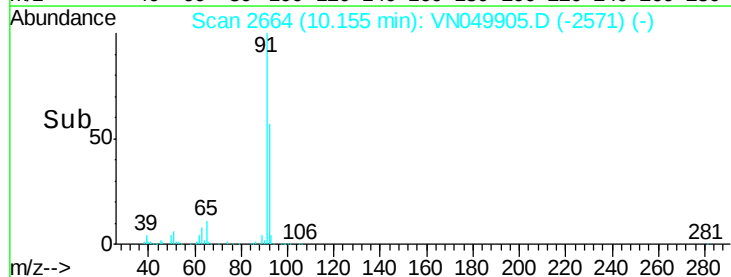
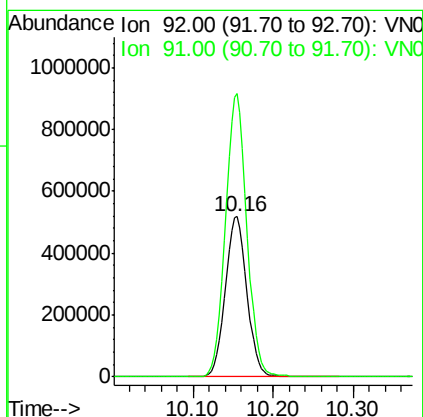
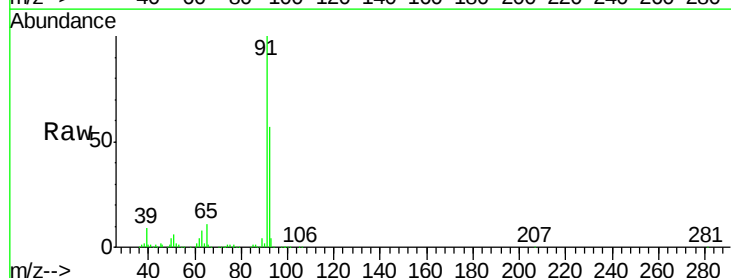
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

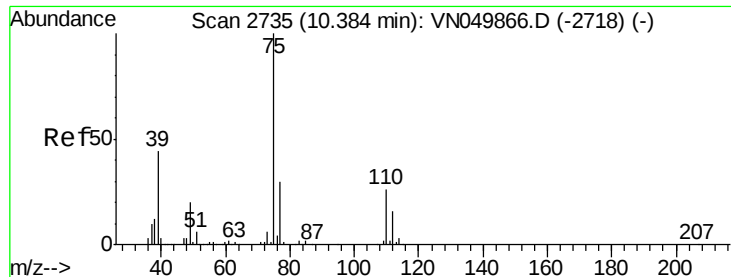
Tot Ion: 43 Resp: 1629751
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.8



#52
 Toluene
 Concen: 52.33 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 92 Resp: 959748
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 51.64 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

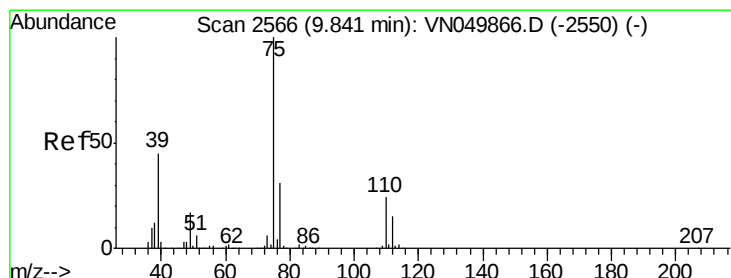
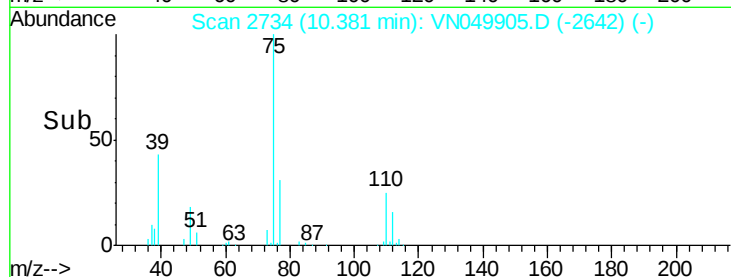
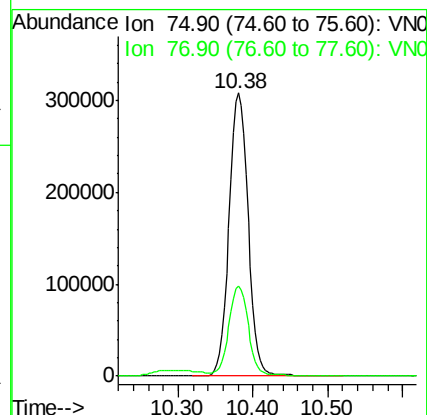
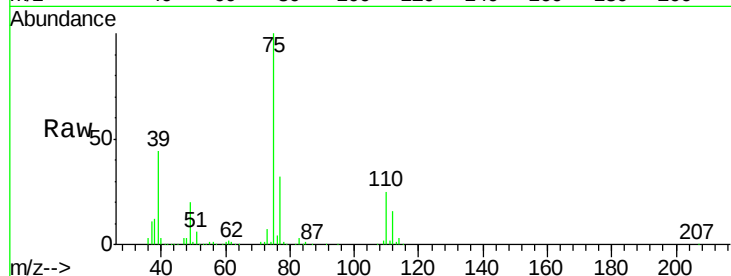
VSTDCCC050

Tot Ion: 75 Resp: 543201

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 52.71 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

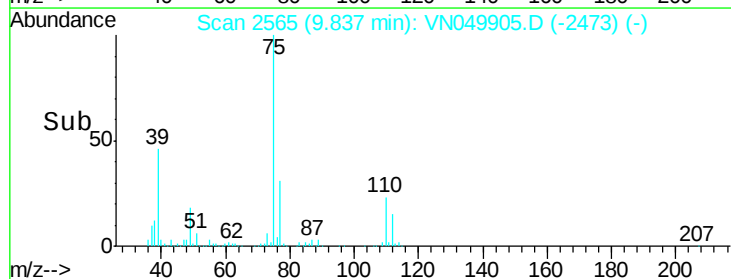
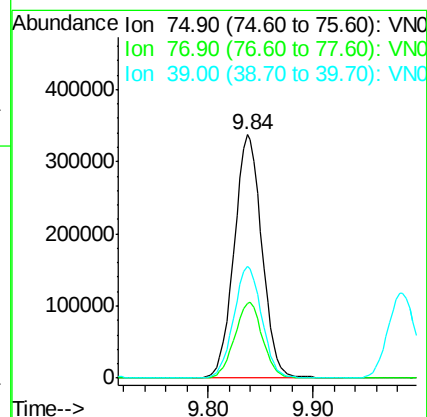
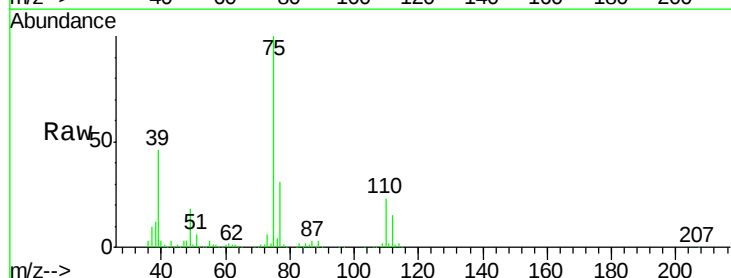
Tgt Ion: 75 Resp: 612717

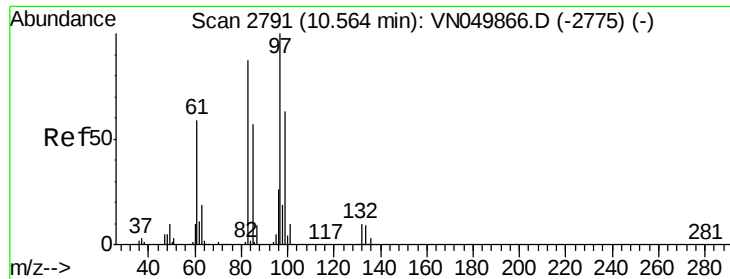
Ion Ratio Lower Upper

75 100

77 30.8 25.3 37.9

39 46.1 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 46.87 ug/l

RT: 10.56 min Scan# 2790

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 355126

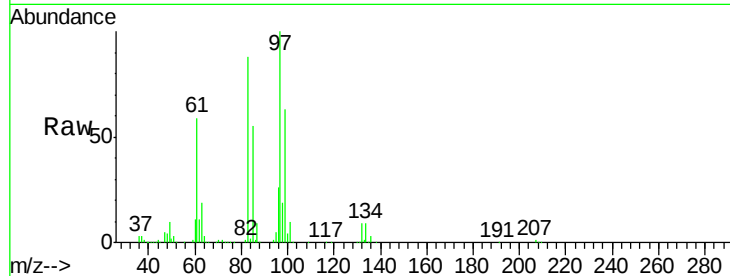
Ion Ratio Lower Upper

97 100

83 87.8 69.0 103.6

85 55.4 44.9 67.3

99 62.8 49.8 74.6

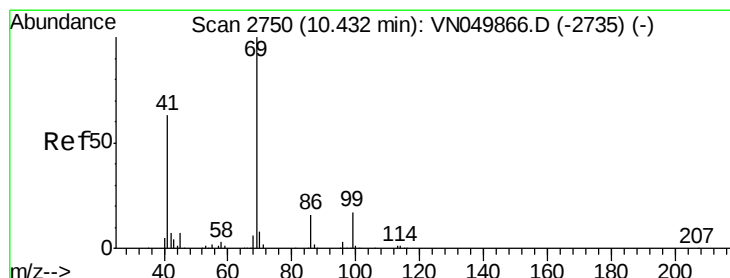
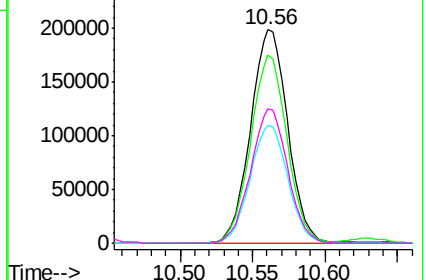
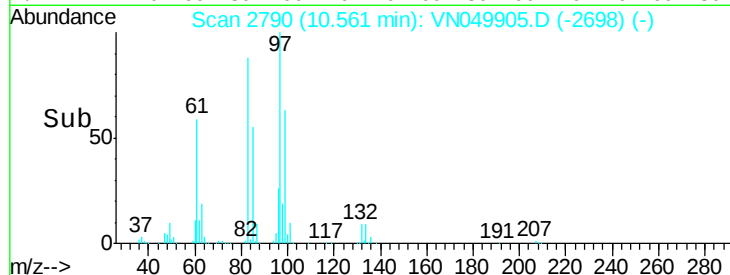


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 44.94 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

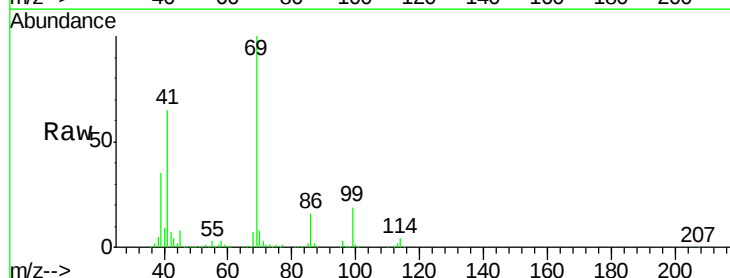
Tgt Ion: 69 Resp: 454898

Ion Ratio Lower Upper

69 100

41 63.2 51.6 77.4

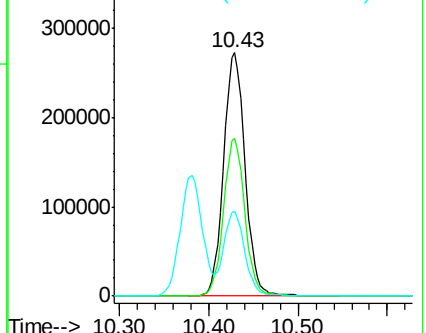
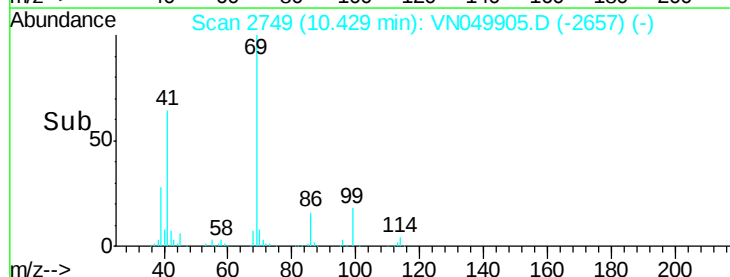
39 33.9 25.8 38.8

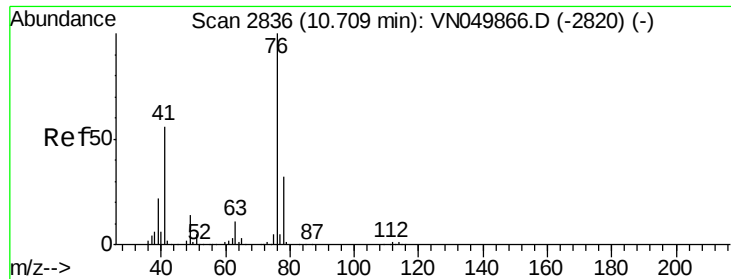


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

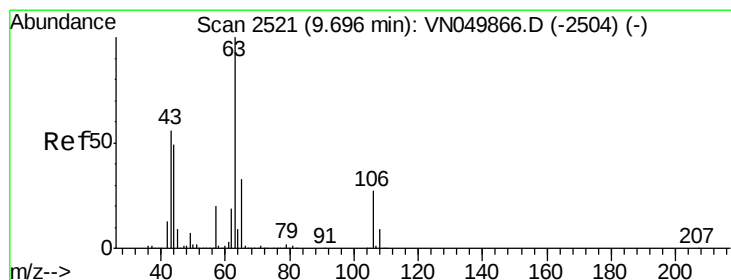
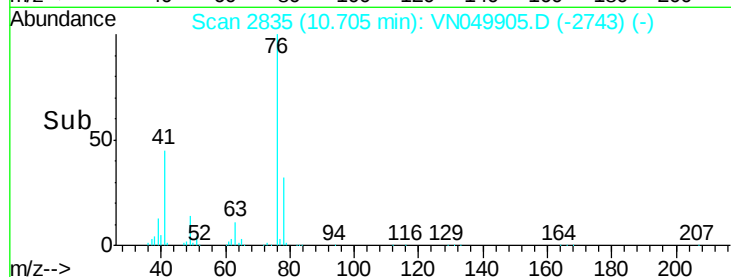
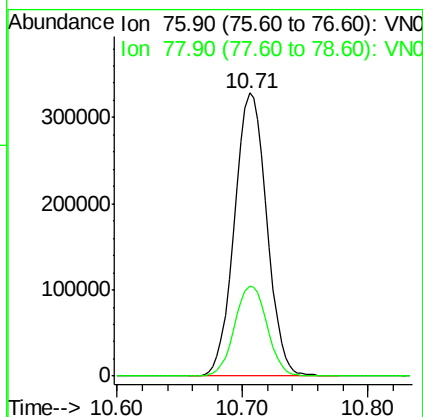
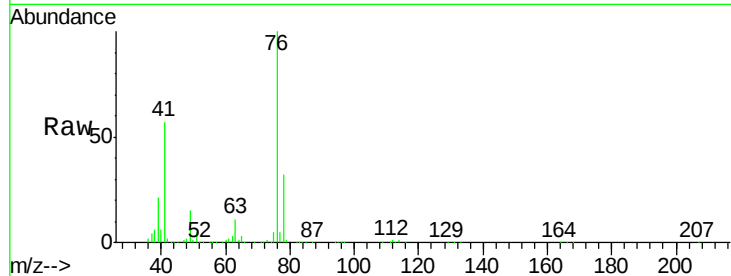




#57
 1,3-Dichloropropane
 Concen: 49.36 ug/l
 RT: 10.71 min Scan# 2835
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

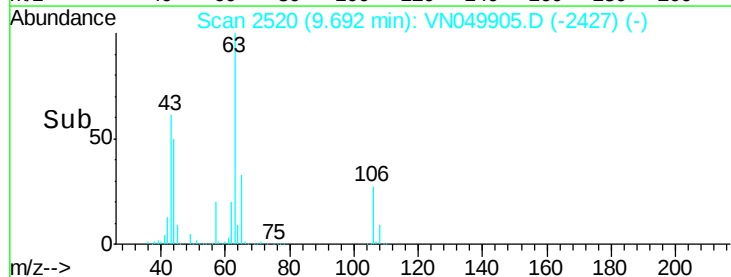
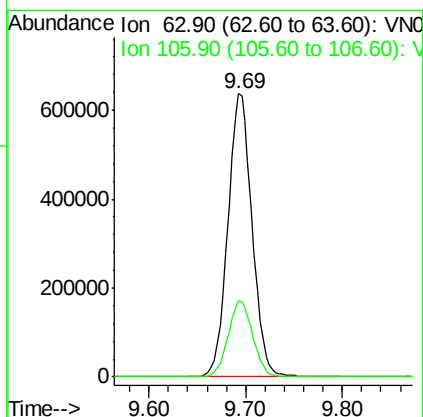
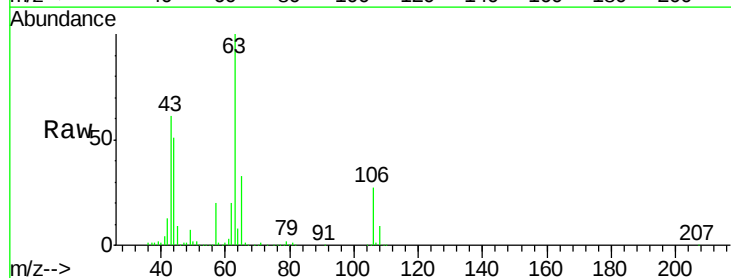
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

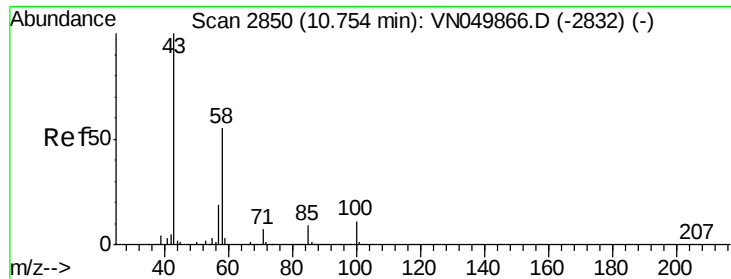
Tot Ion: 76 Resp: 588980
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.59 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 63 Resp: 1104230
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8

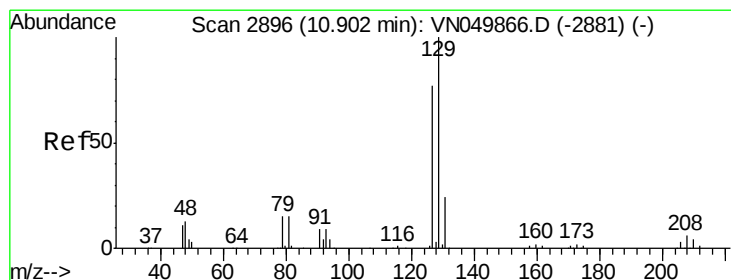
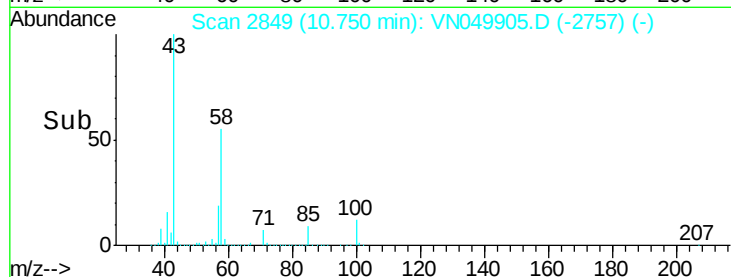
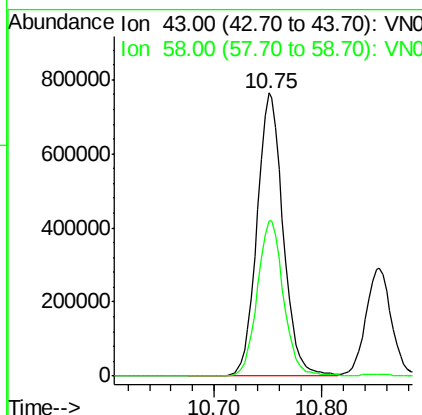
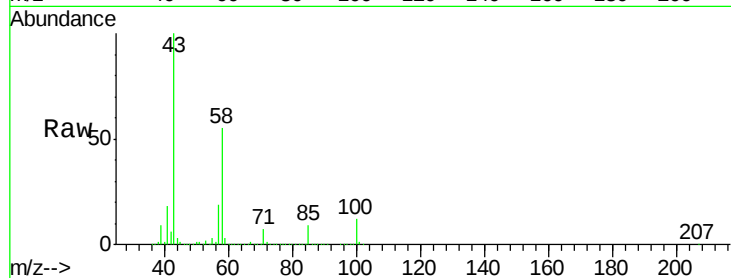




#59
2-Hexanone
Concen: 281.28 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

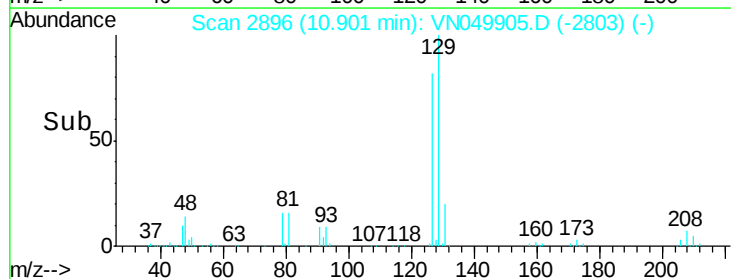
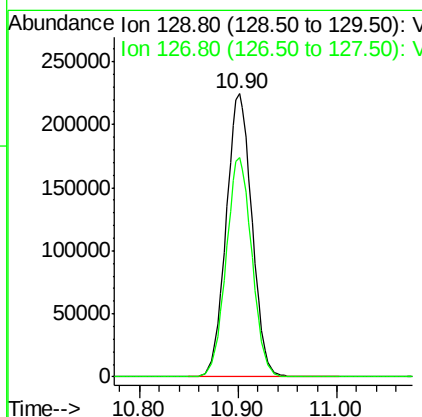
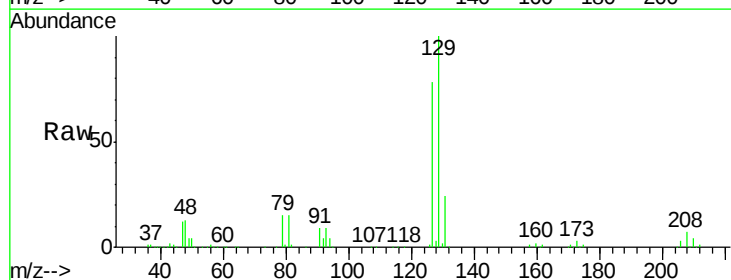
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

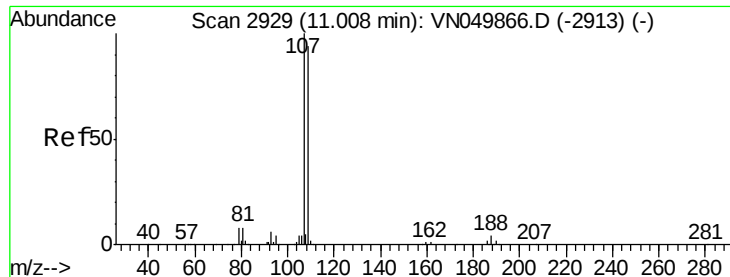
Tot Ion: 43 Resp: 1278116
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4



#60
Dibromochloromethane
Concen: 49.41 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 129 Resp: 410474
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 48.50 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

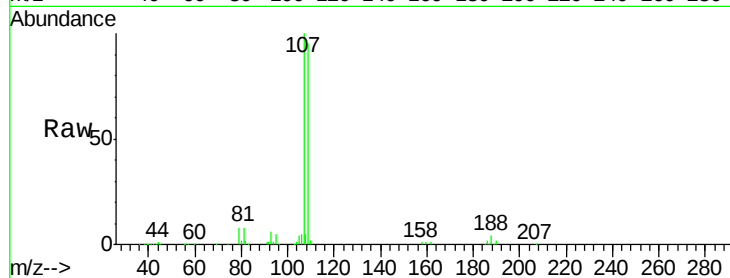
VSTDCCC050

Tot Ion:107 Resp: 343311

Ion Ratio Lower Upper

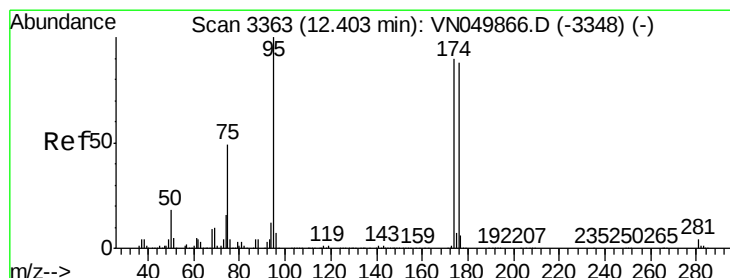
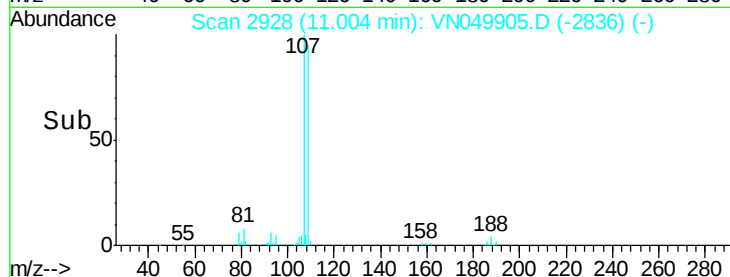
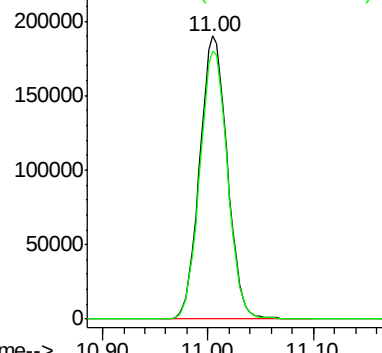
107 100

109 95.1 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.01 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

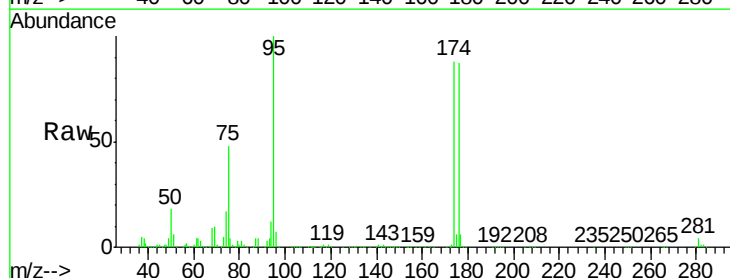
Tgt Ion: 95 Resp: 497053

Ion Ratio Lower Upper

95 100

174 89.6 0.0 179.6

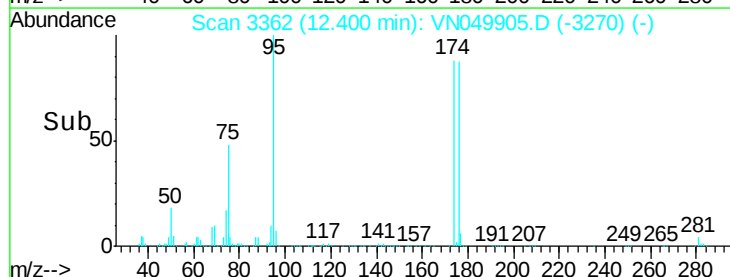
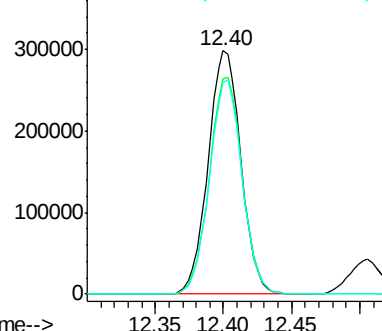
176 87.3 0.0 174.0

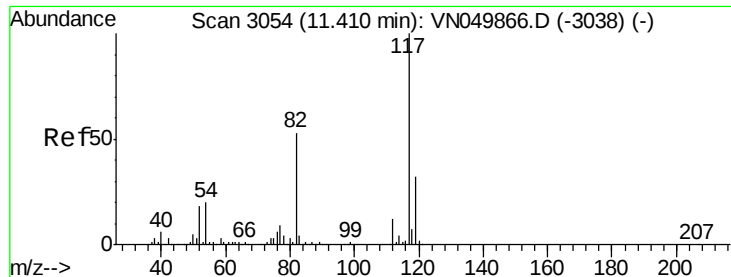


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

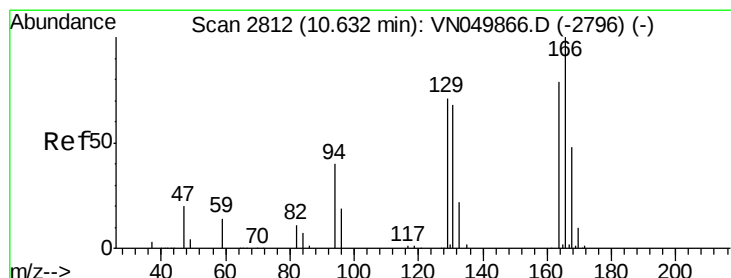
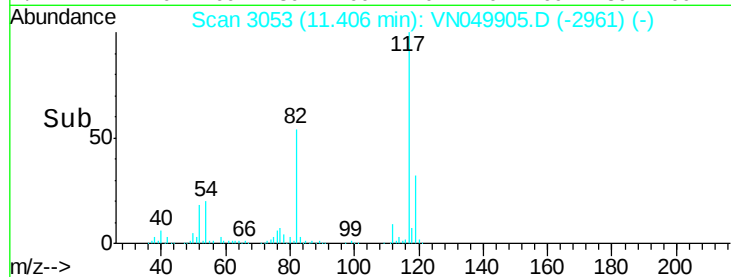
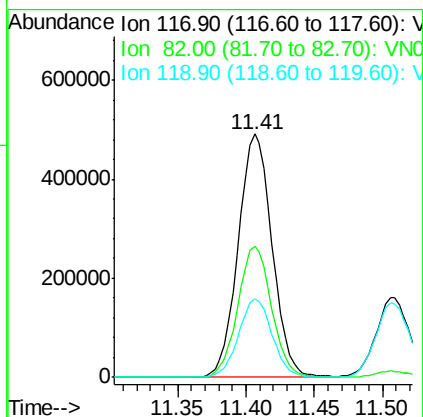
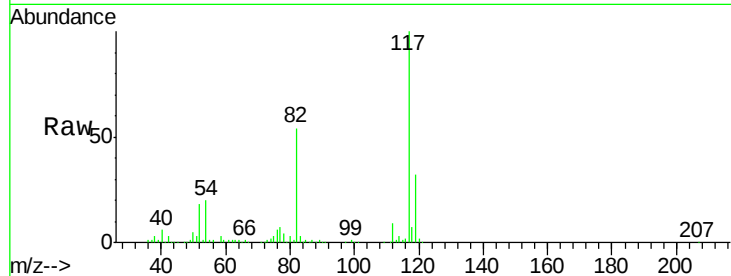




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

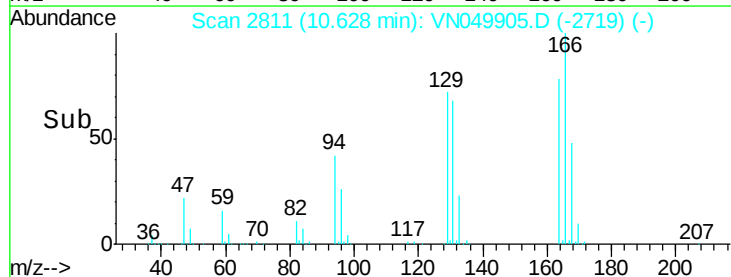
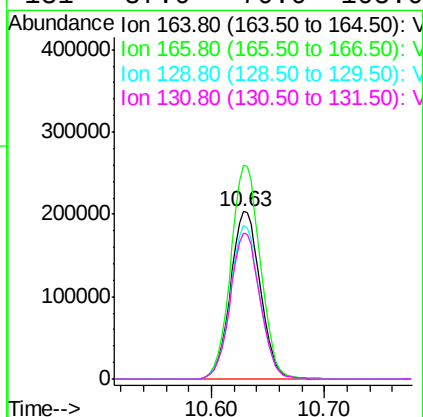
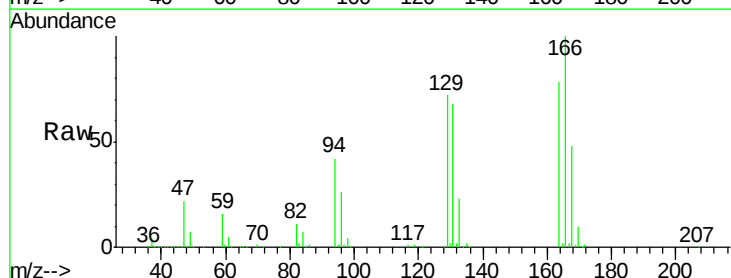
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

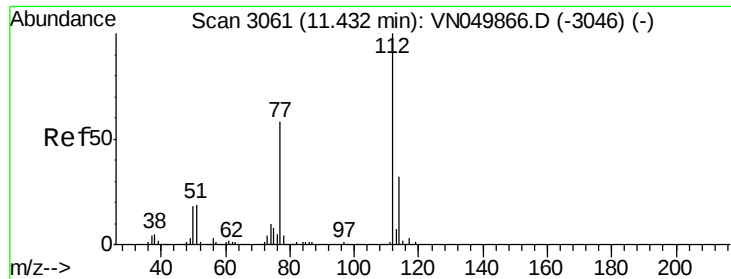
Tot Ion:117 Resp: 848602
Ion Ratio Lower Upper
117 100
82 54.0 41.9 62.9
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 48.82 ug/l
RT: 10.63 min Scan# 2811
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:164 Resp: 372287
Ion Ratio Lower Upper
164 100
166 127.6 101.8 152.6
129 91.6 72.8 109.2
131 87.0 70.0 105.0

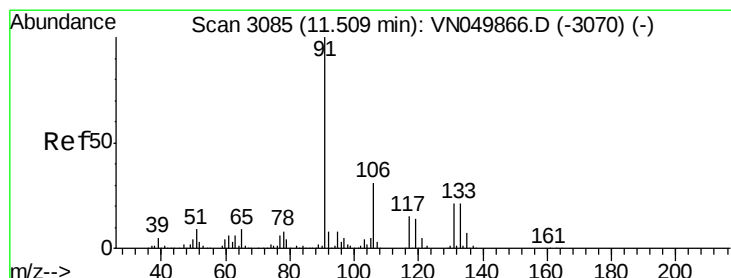
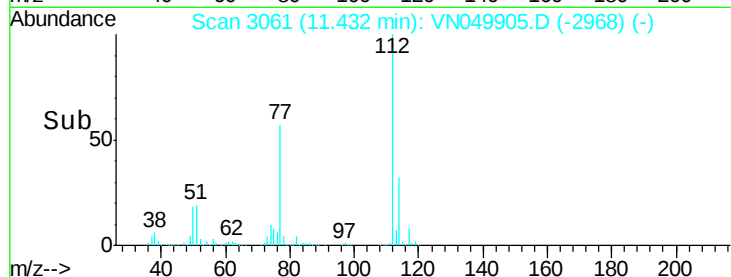
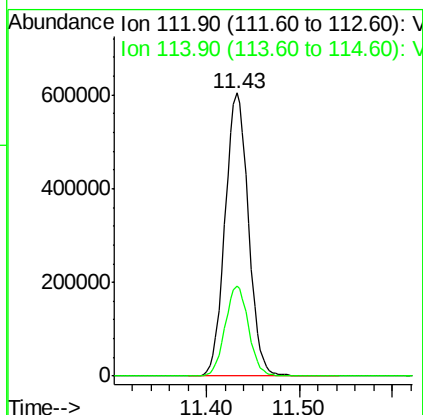
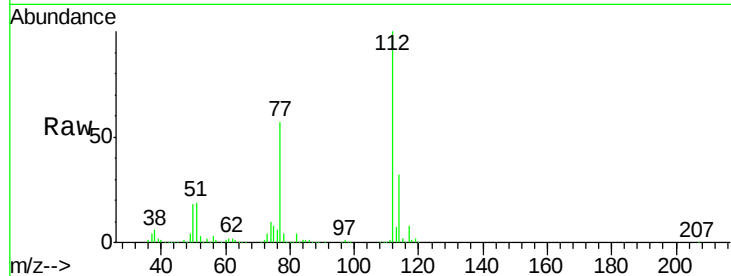




#65
Chlorobenzene
Concen: 49.47 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

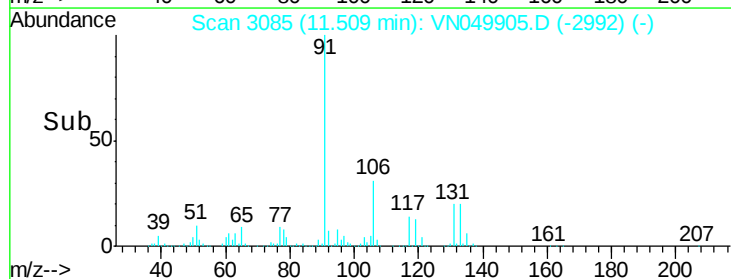
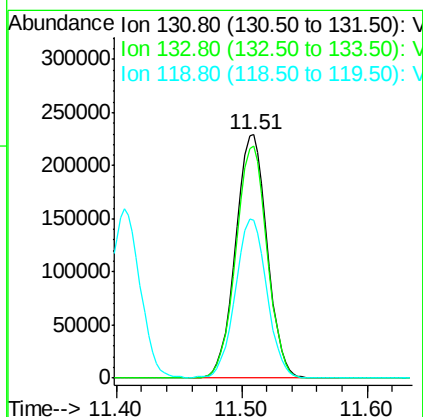
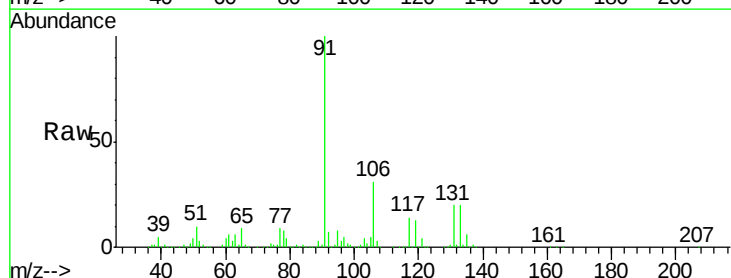
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

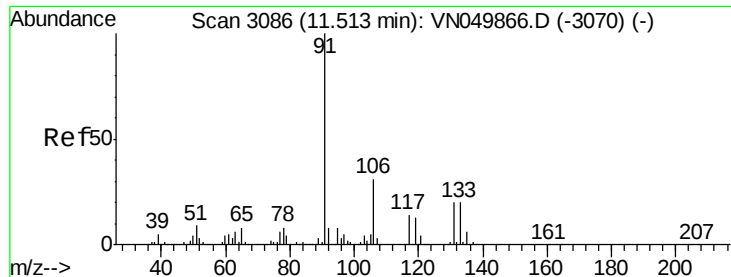
Tot Ion:112 Resp: 1054719
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 48.38 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:131 Resp: 399574
Ion Ratio Lower Upper
131 100
133 94.8 47.5 142.6
119 65.6 33.1 99.3

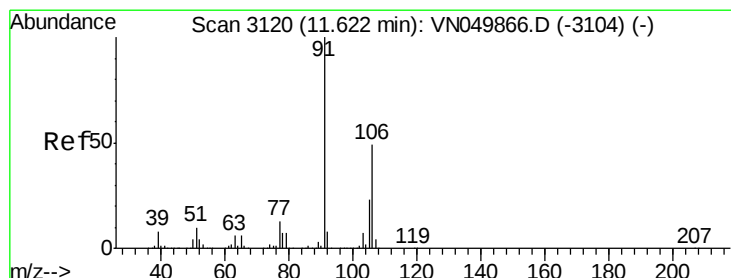
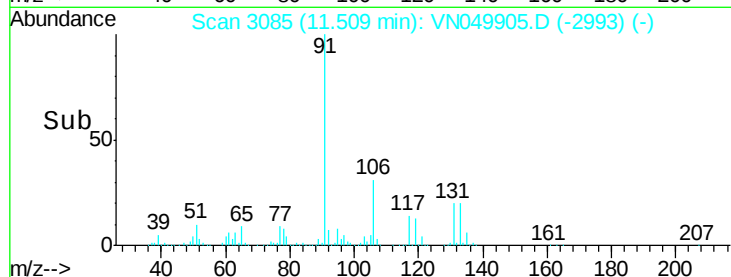
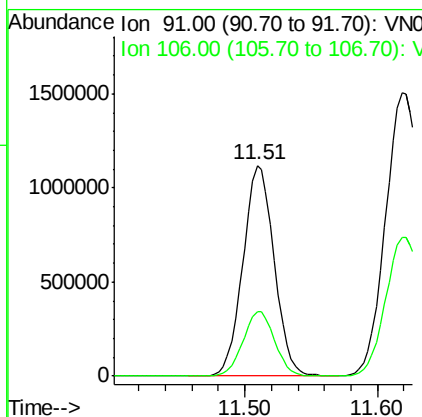
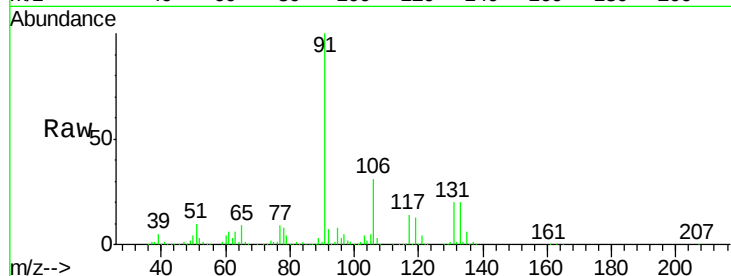




#67
Ethyl Benzene
Concen: 52.98 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

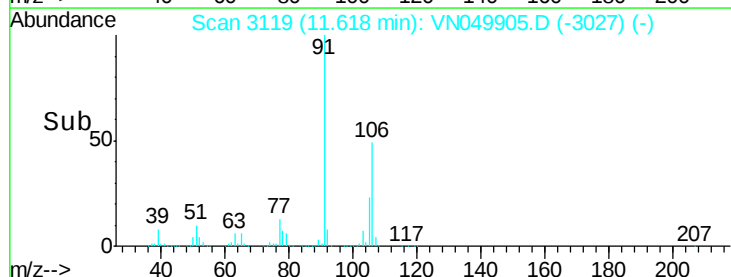
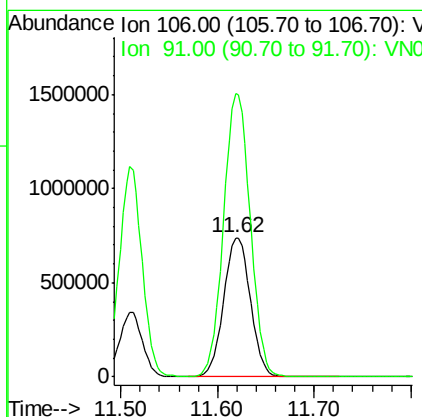
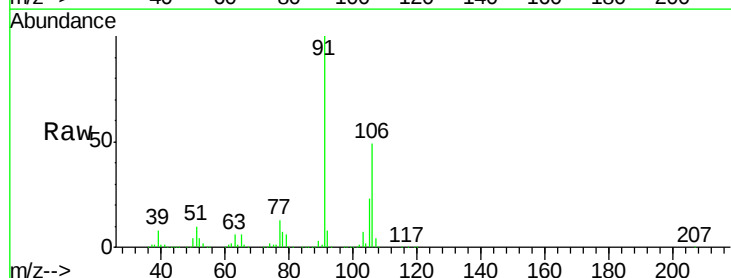
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

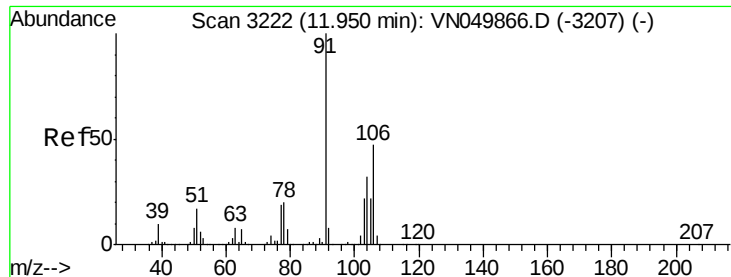
Tot Ion: 91 Resp: 1832363
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2



#68
m/p-Xylenes
Concen: 108.32 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 106 Resp: 1418182
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2

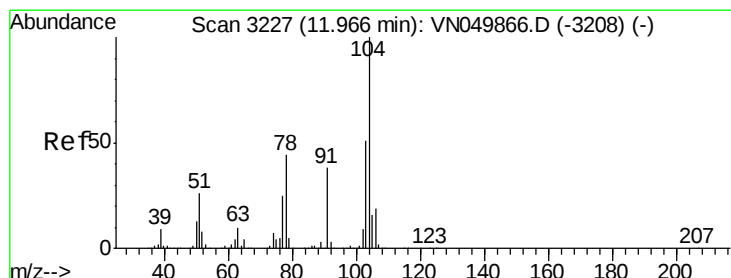
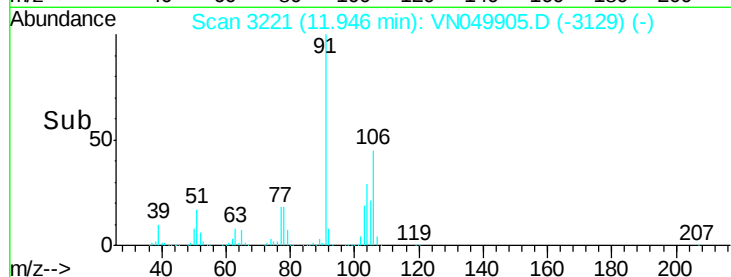
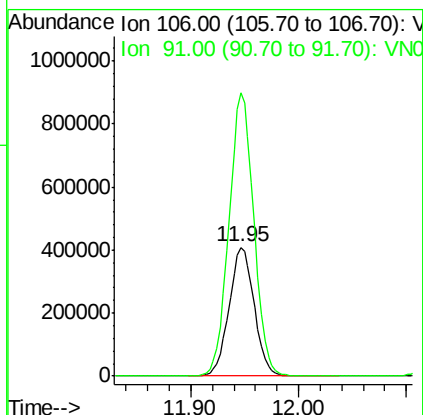
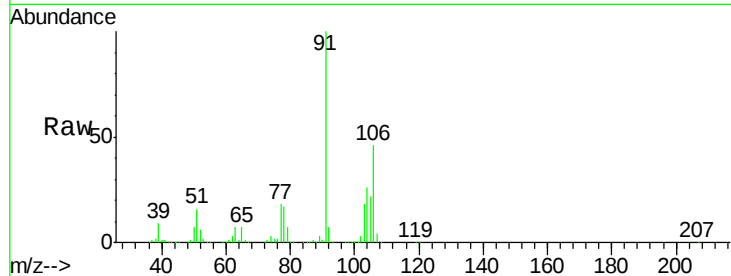




#69
o-Xylene
Concen: 52.77 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

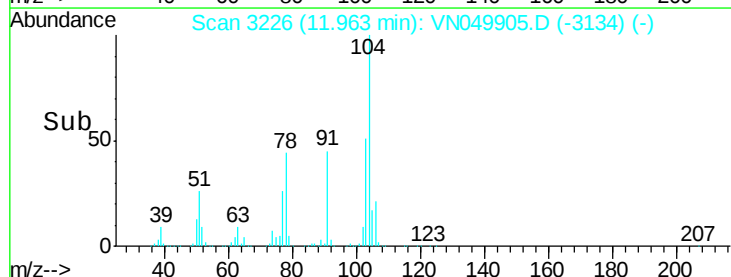
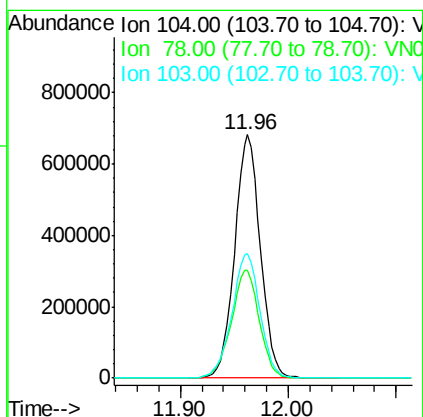
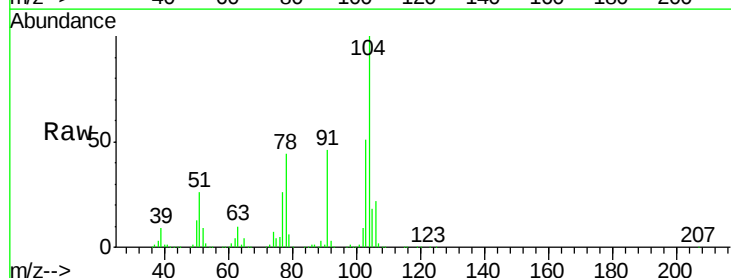
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

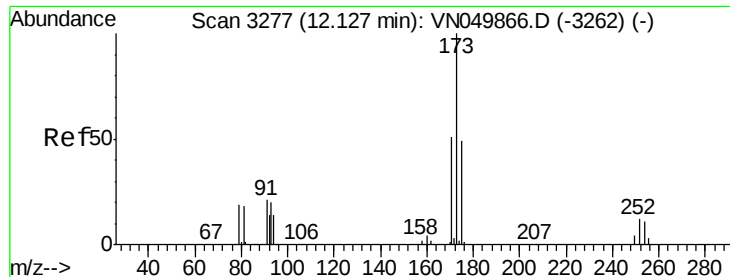
Tot Ion:106 Resp: 663609
Ion Ratio Lower Upper
106 100
91 217.3 108.7 326.1



#70
Styrene
Concen: 55.59 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:104 Resp: 1132428
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 55.8 44.6 67.0





#71

Bromoform

Concen: 48.42 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

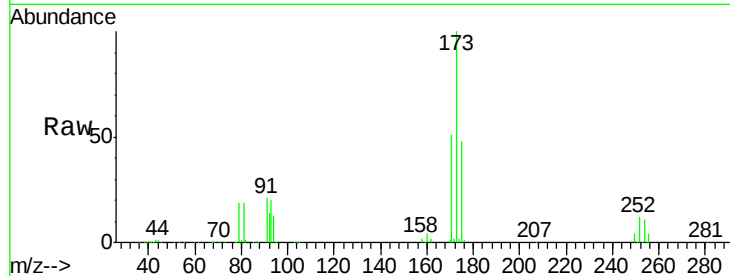
Tot Ion:173 Resp: 286084

Ion Ratio Lower Upper

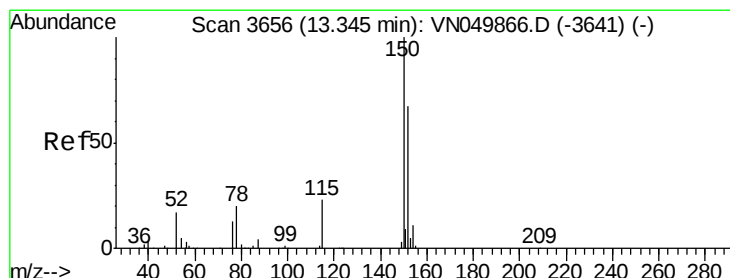
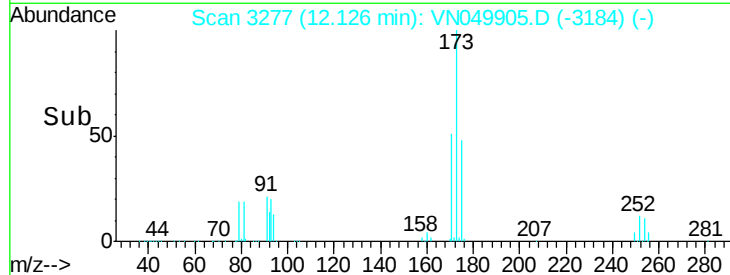
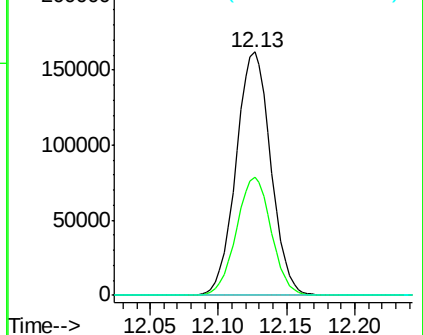
173 100

175 48.7 24.6 73.8

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

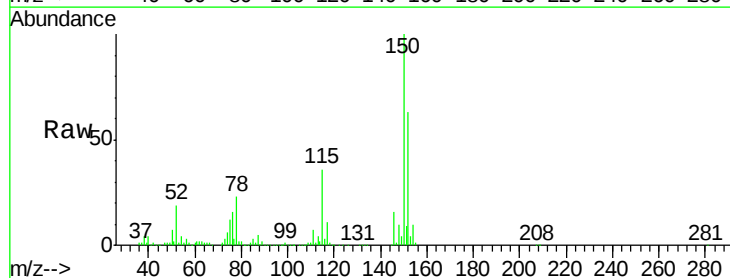
Tgt Ion:152 Resp: 468187

Ion Ratio Lower Upper

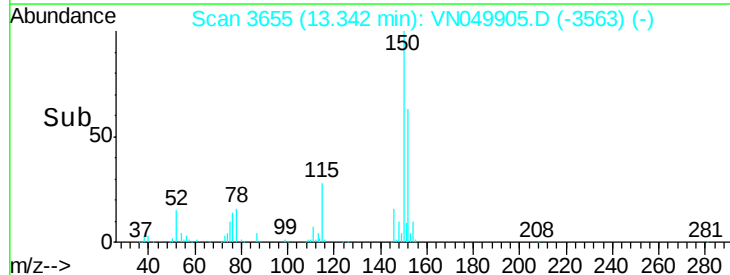
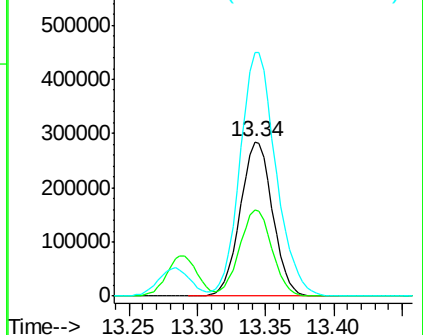
152 100

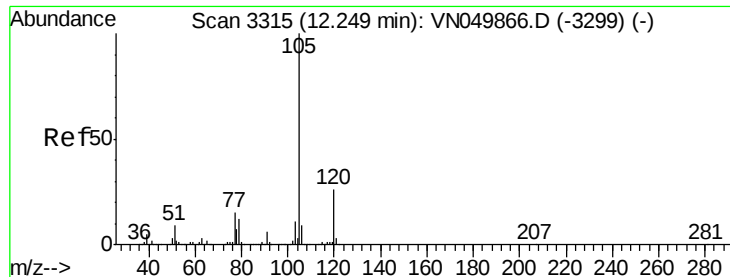
115 55.8 28.1 84.2

150 175.1 0.0 347.6



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





#73

Isopropylbenzene

Concen: 51.39 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

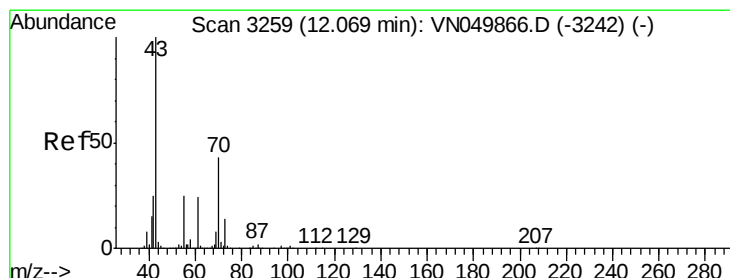
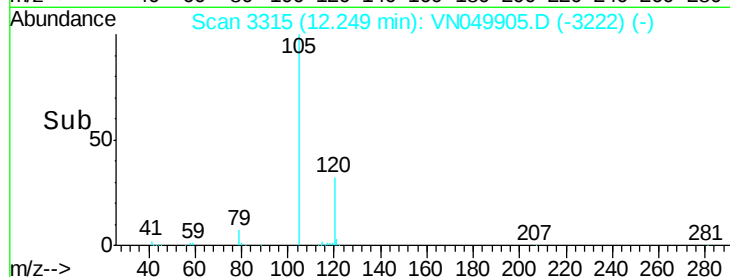
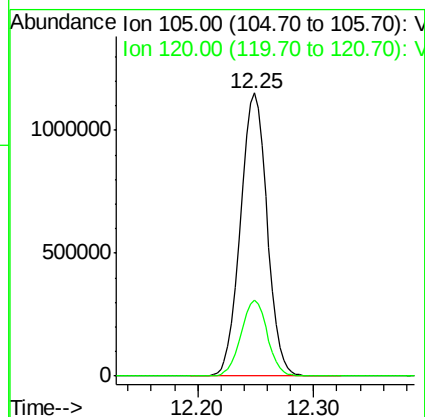
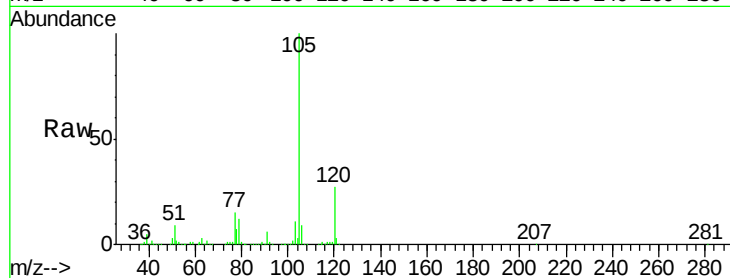
VSTDCCC050

Tot Ion:105 Resp: 1827394

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



#74

N-ethyl acetate

Concen: 46.90 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Tgt Ion: 43 Resp: 507650

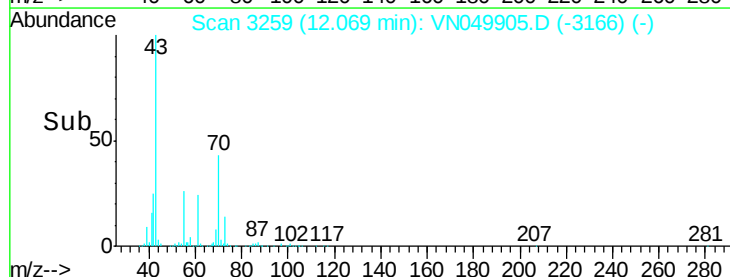
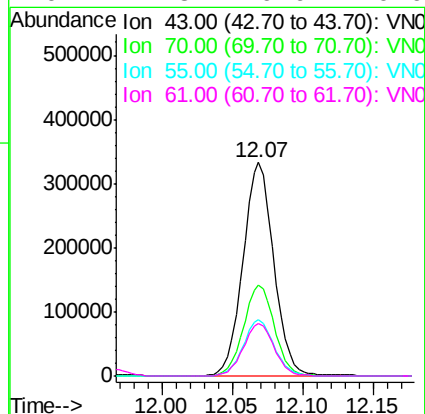
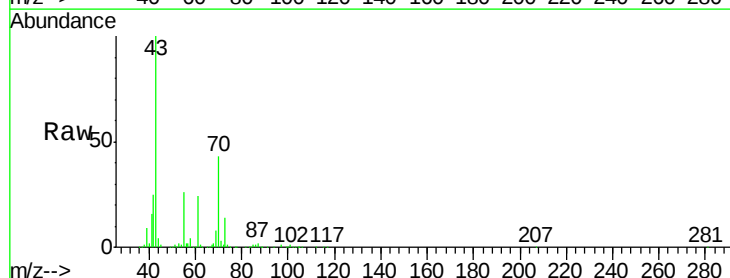
Ion Ratio Lower Upper

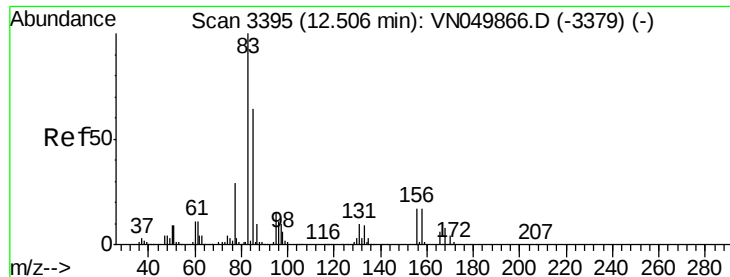
43 100

70 43.0 34.8 52.2

55 26.6 20.9 31.3

61 24.8 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 42.29 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

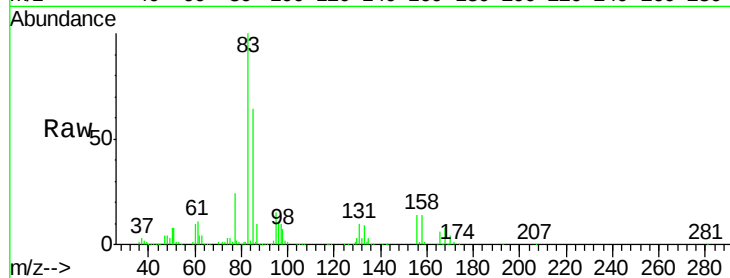
Tot Ion: 83 Resp: 450581

Ion Ratio Lower Upper

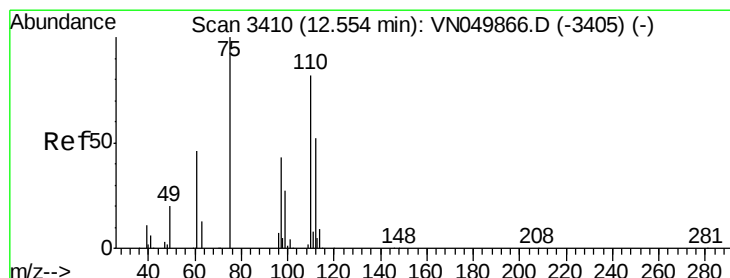
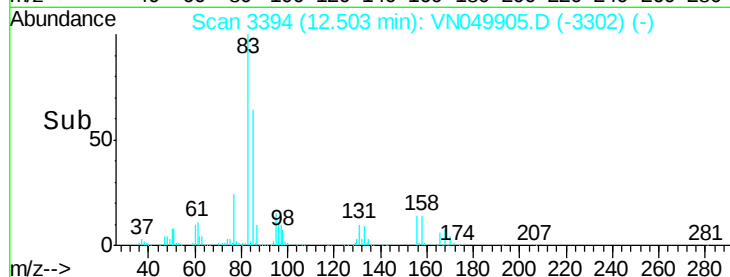
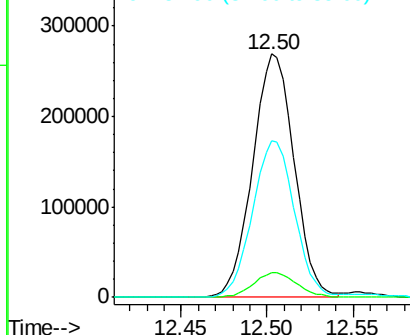
83 100

131 10.6 5.2 15.6

85 65.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 63.37 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049905.D

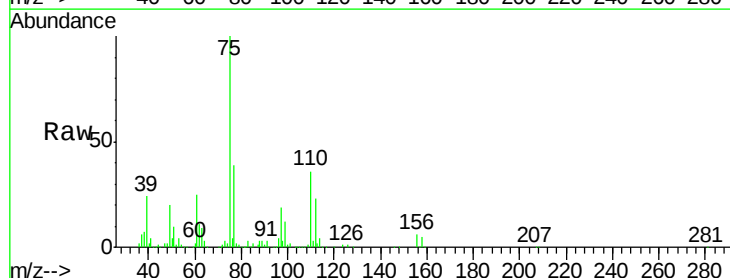
Acq: 19 Jul 2018 9:42

Tgt Ion: 75 Resp: 556557

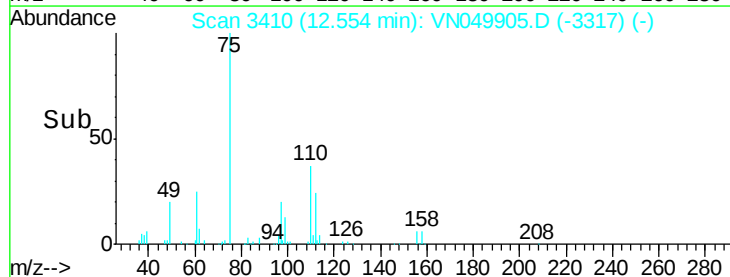
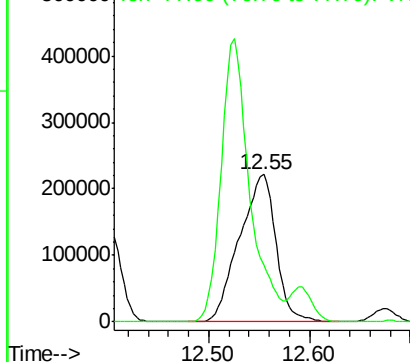
Ion Ratio Lower Upper

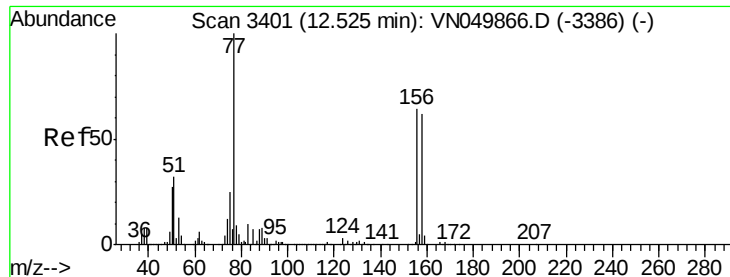
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.76 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

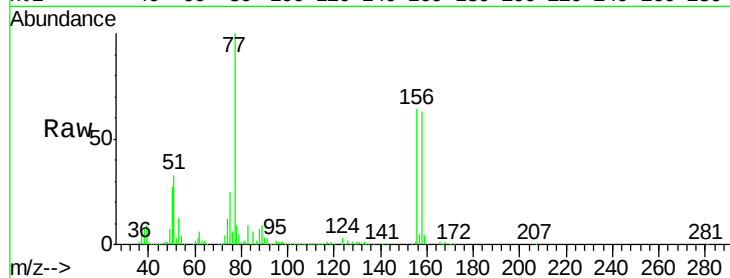
Tot Ion:156 Resp: 469001

Ion Ratio Lower Upper

156 100

77 180.6 90.2 270.6

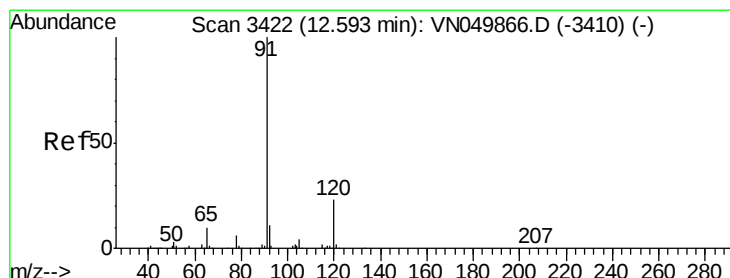
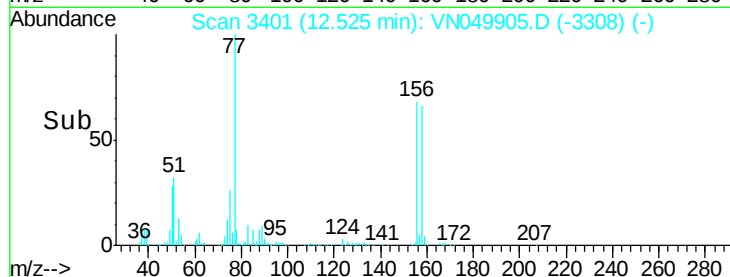
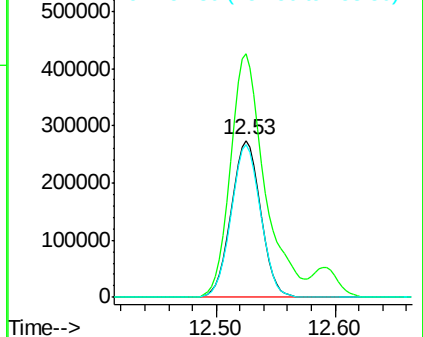
158 97.4 49.1 147.3



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: 52.96 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN049905.D

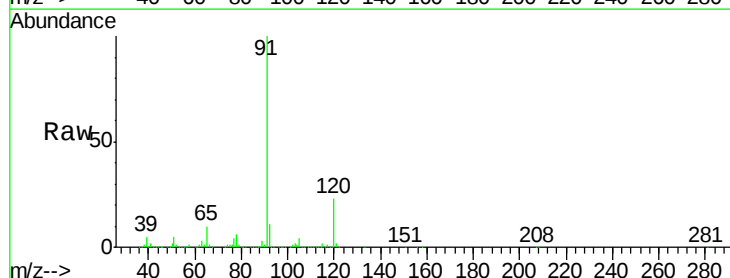
Acq: 19 Jul 2018 9:42

Tgt Ion: 91 Resp: 2141385

Ion Ratio Lower Upper

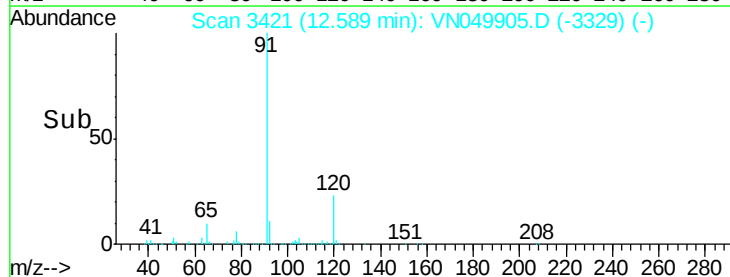
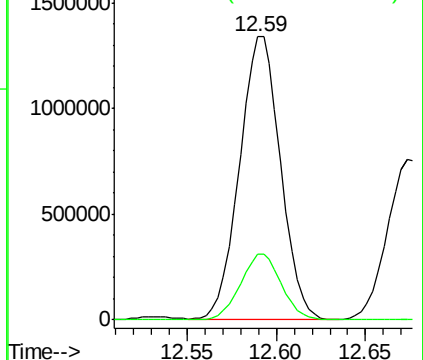
91 100

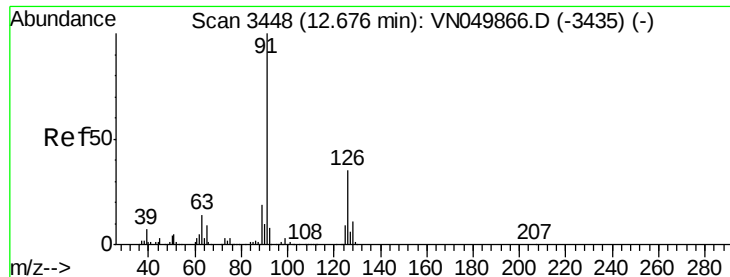
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.67 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampled :

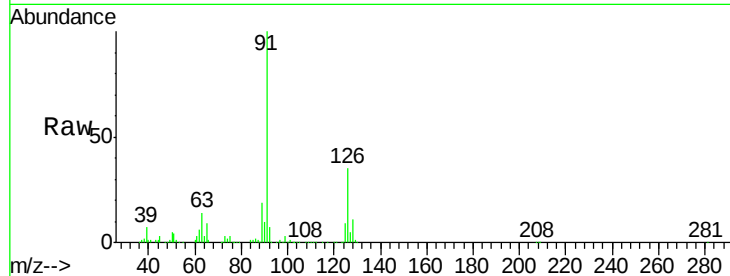
VSTDCCC050

Tot Ion: 91 Resp: 1257843

Ion Ratio Lower Upper

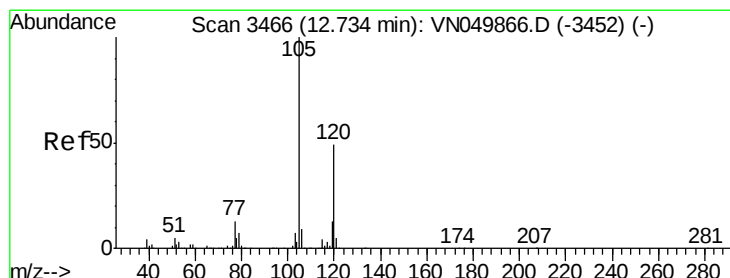
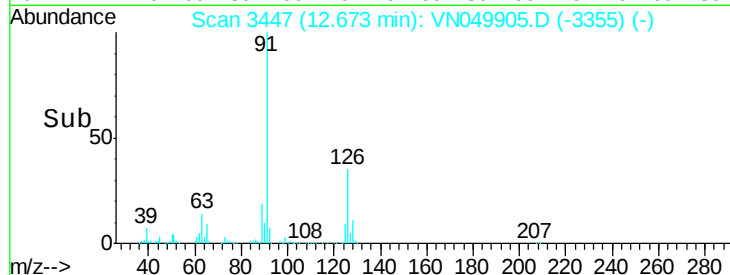
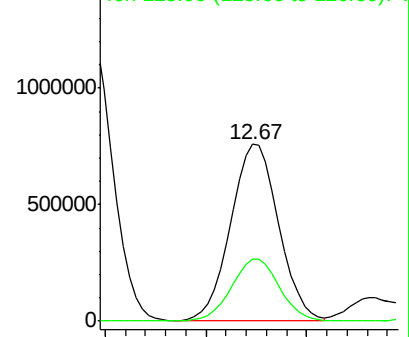
91 100

126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049866.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049866.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.13 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN049905.D

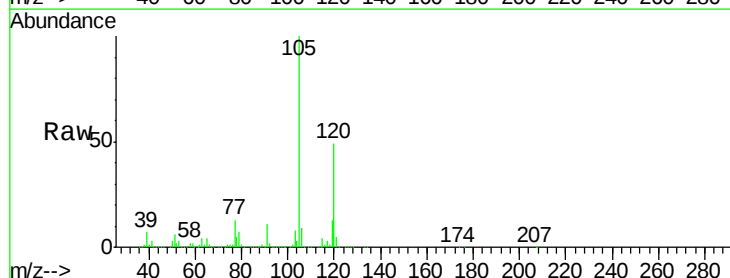
Acq: 19 Jul 2018 9:42

Tgt Ion:105 Resp: 1514584

Ion Ratio Lower Upper

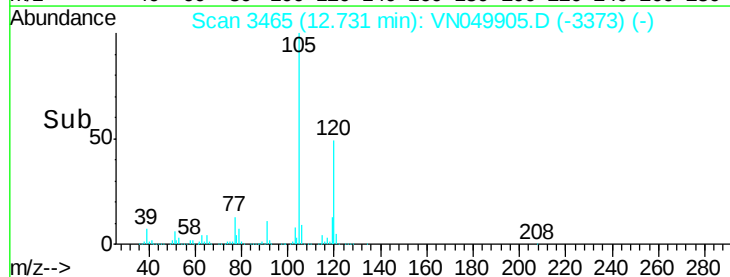
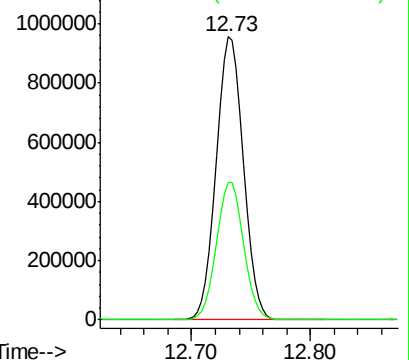
105 100

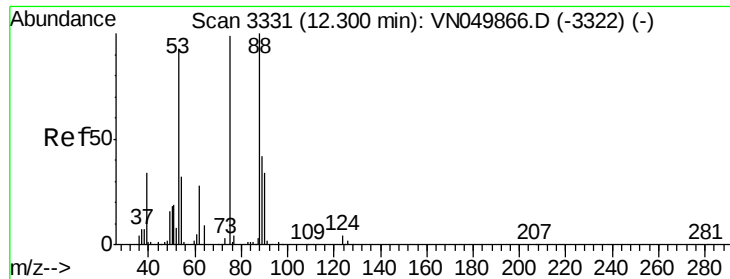
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049866.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN049866.D (-3452) (-)

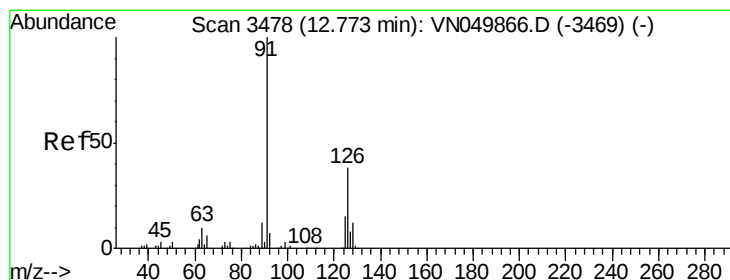
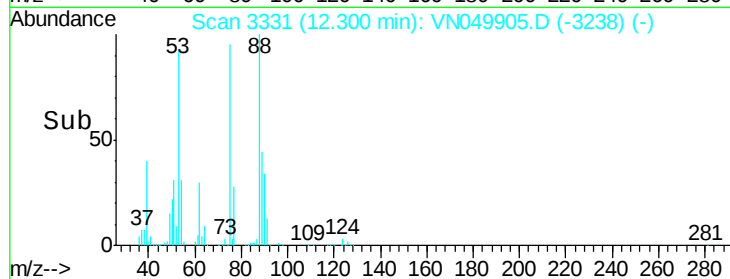
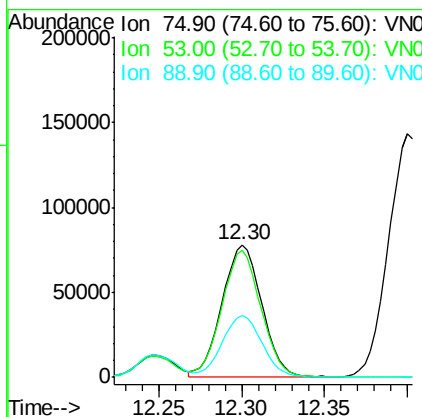
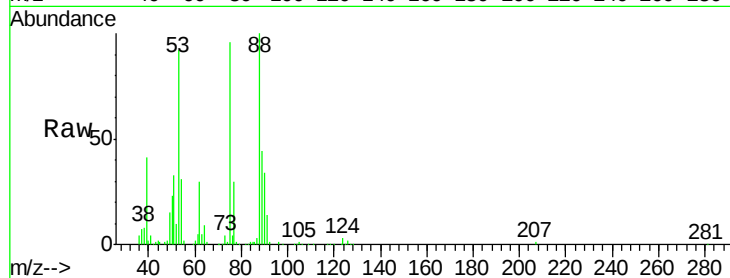




#81
trans-1,4-Dichloro-2-butene
Concen: 46.50 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

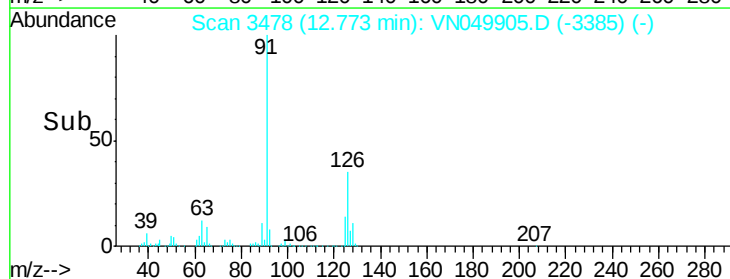
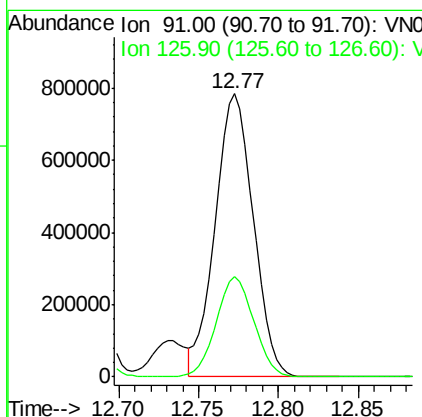
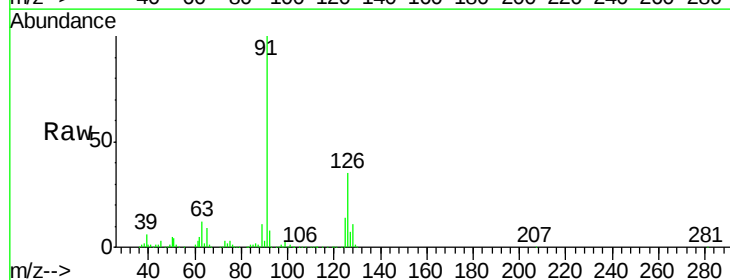
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

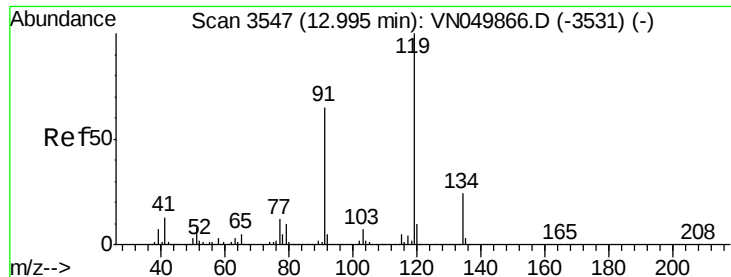
Tot Ion: 75 Resp: 130591
Ion Ratio Lower Upper
75 100
53 94.8 73.9 110.9
89 46.6 35.9 53.9



#82
4-Chlorotoluene
Concen: 51.58 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 91 Resp: 1284601
Ion Ratio Lower Upper
91 100
126 34.8 17.2 51.6

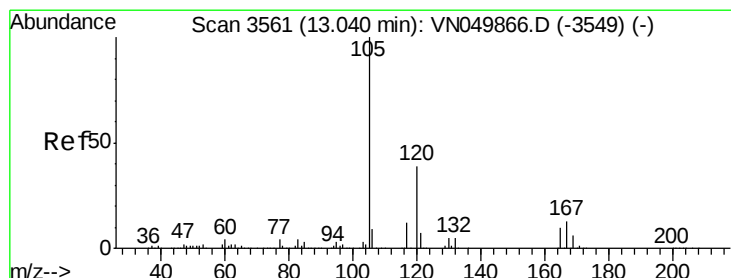
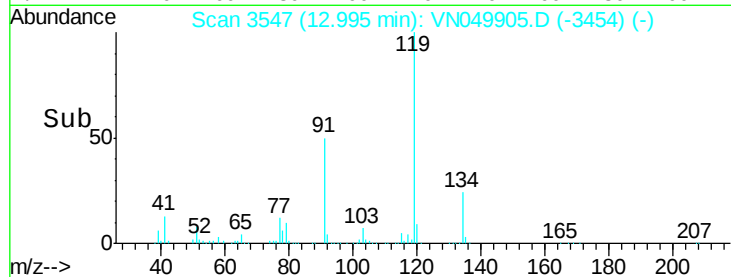
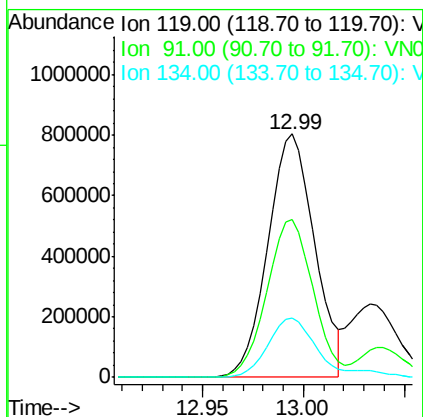
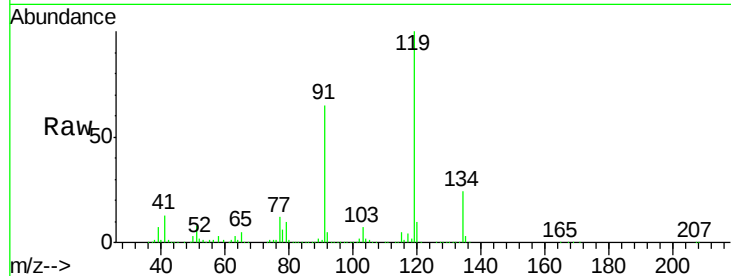




#83
tert-Butylbenzene
Concen: 51.58 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

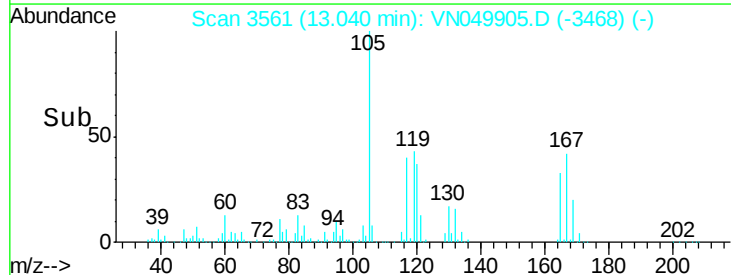
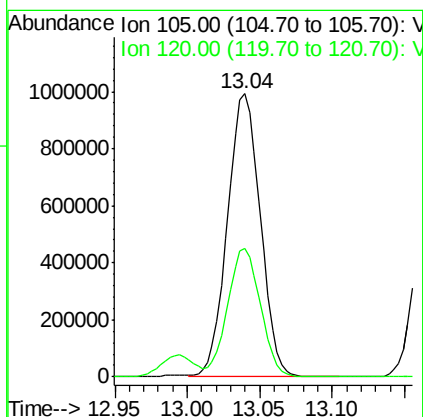
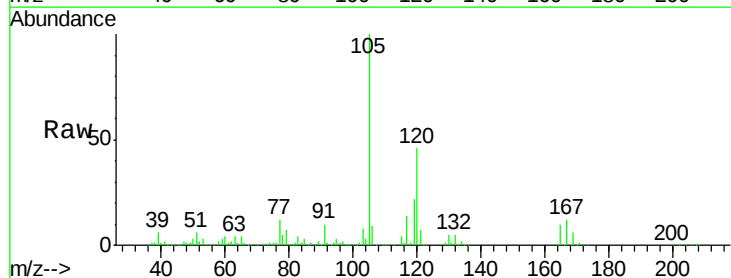
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

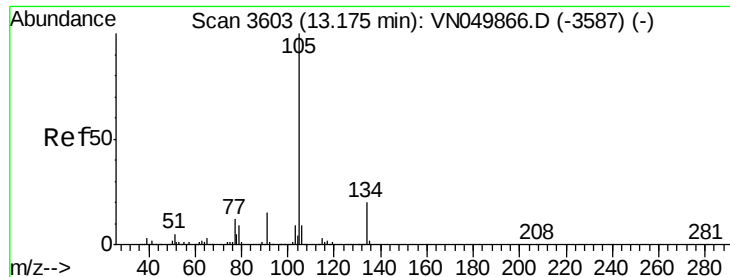
Tot Ion:119 Resp: 1291219
Ion Ratio Lower Upper
119 100
91 64.2 32.0 96.2
134 26.8 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 54.00 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion:105 Resp: 1559188
Ion Ratio Lower Upper
105 100
120 45.4 22.7 68.1

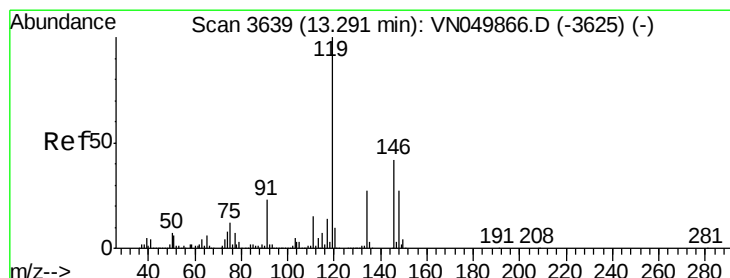
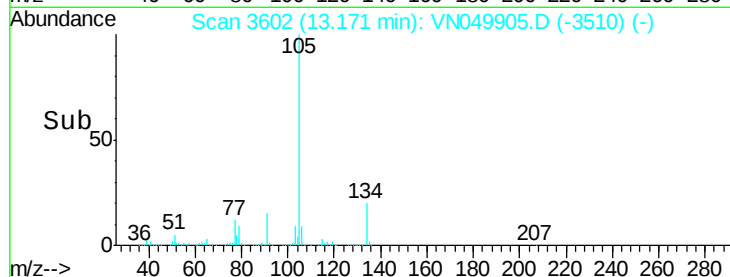
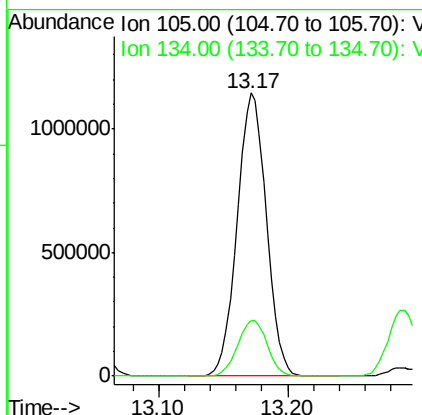
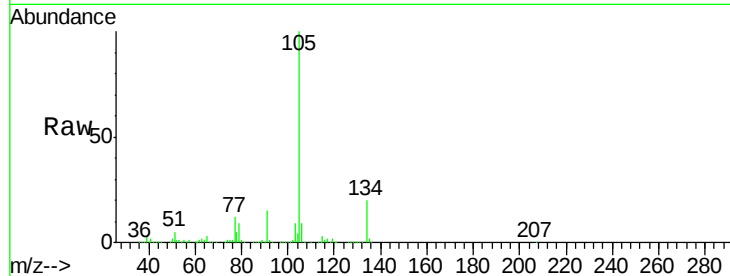




#85
 sec-Butylbenzene
 Concen: 54.20 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

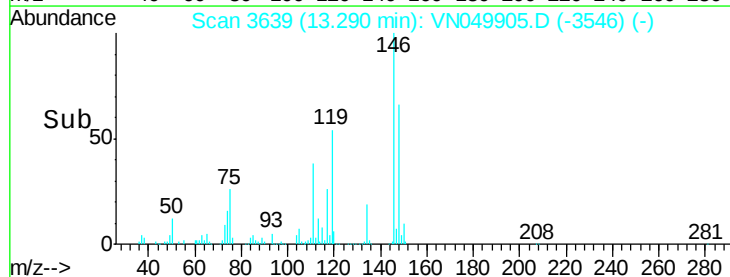
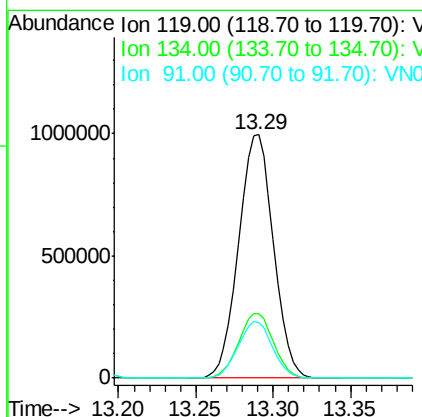
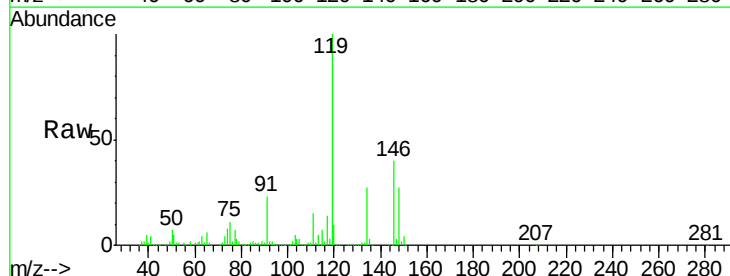
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

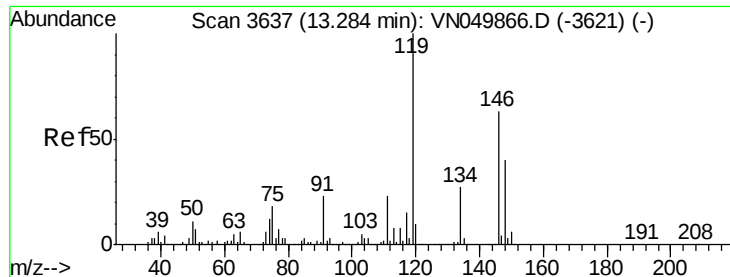
Tot Ion:105 Resp: 1793027
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 55.13 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion:119 Resp: 1554657
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.3 39.9
 91 22.9 11.4 34.1

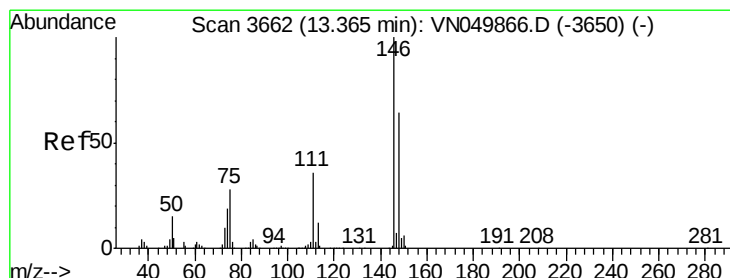
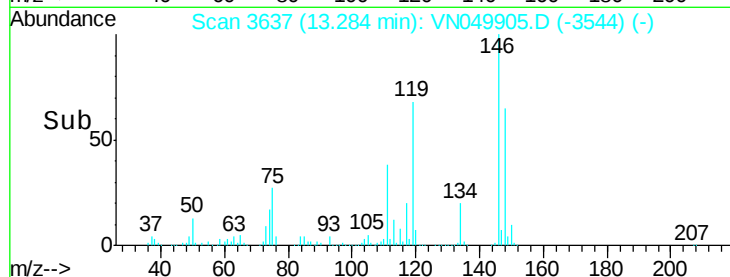
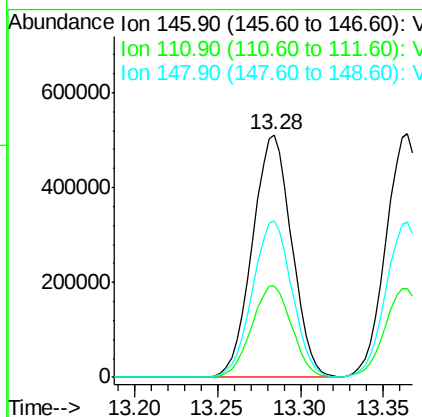
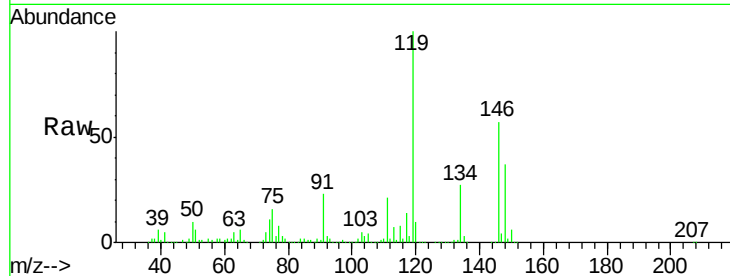




#87
 1,3-Dichlorobenzene
 Concen: 49.32 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

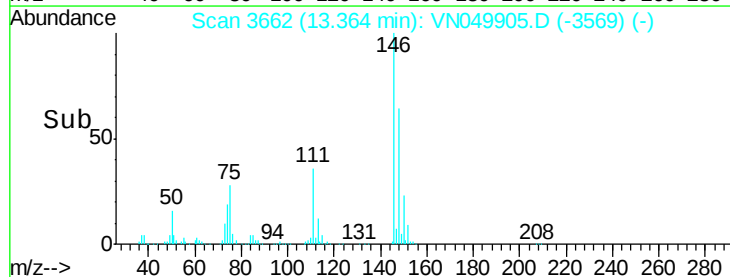
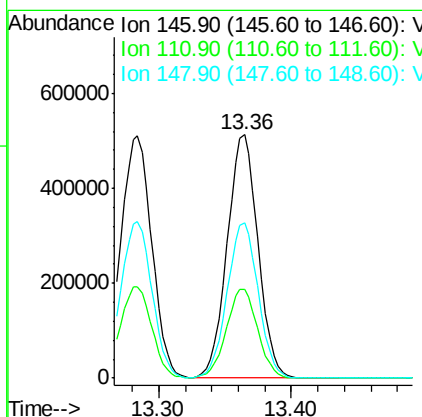
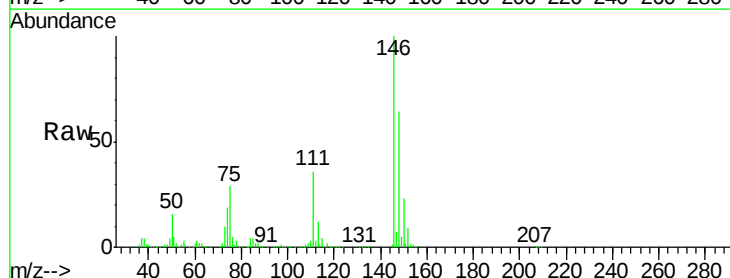
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

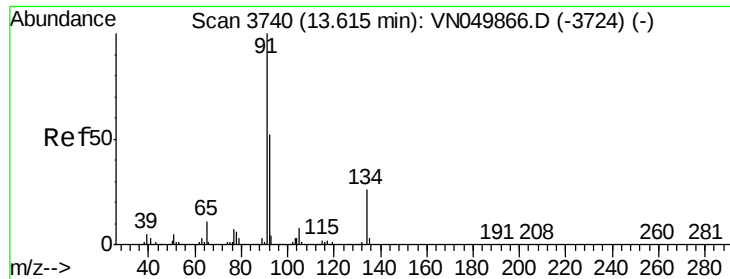
Tot Ion:146 Resp: 843846
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.0 57.0
 148 64.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.13 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion:146 Resp: 825718
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.5
 148 64.3 32.1 96.3

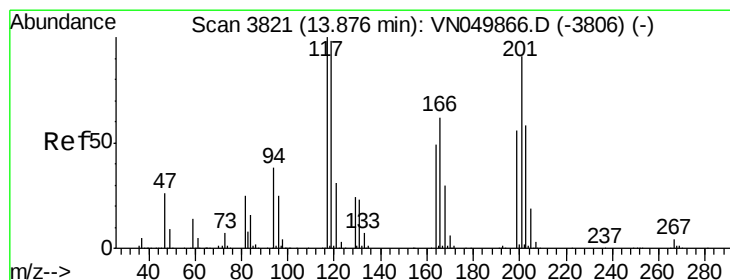
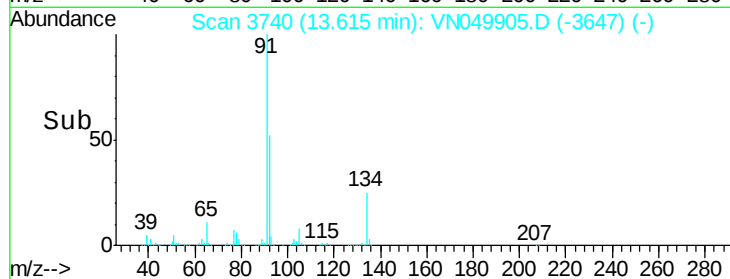
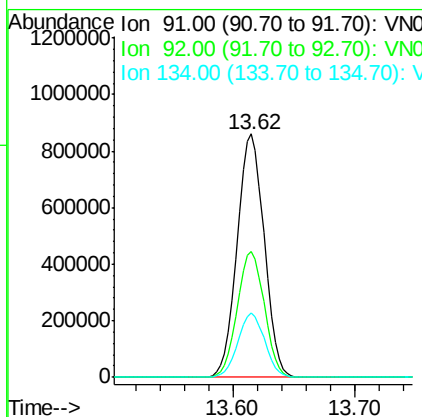
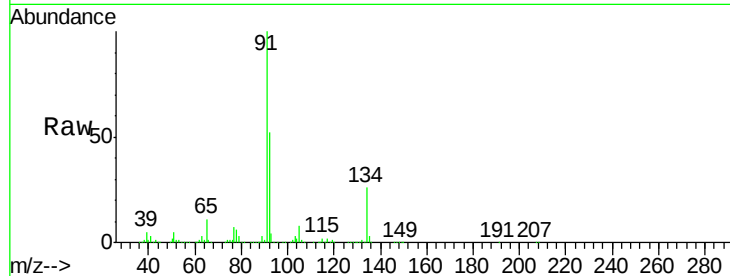




#89
n-Butylbenzene
Concen: 56.56 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

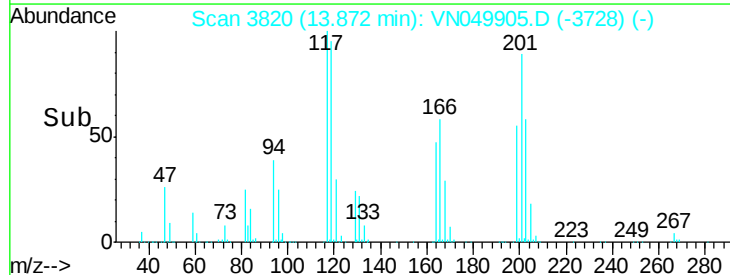
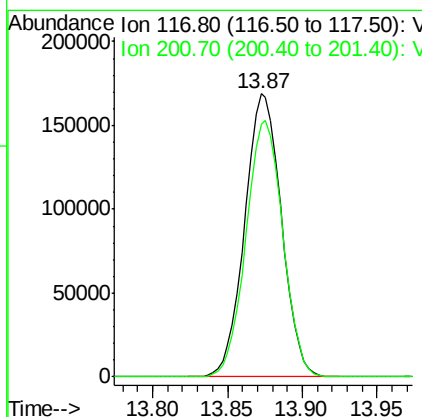
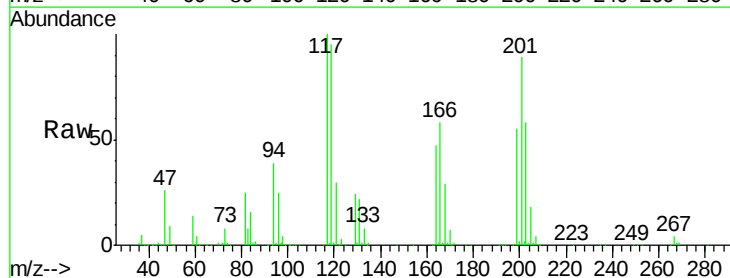
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

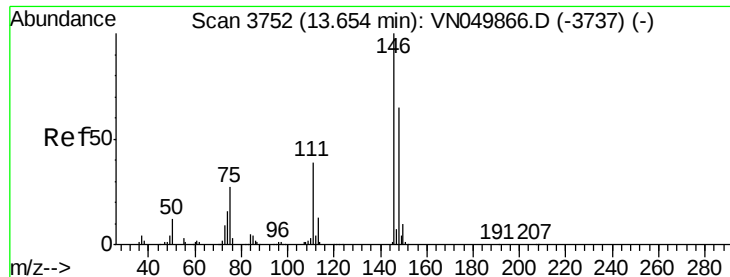
Tot Ion: 91 Resp: 1317018
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.3
134 26.1 13.0 38.9



#90
Hexachloroethane
Concen: 45.59 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049905.D
Acq: 19 Jul 2018 9:42

Tgt Ion: 117 Resp: 288568
Ion Ratio Lower Upper
117 100
201 90.7 45.3 135.8

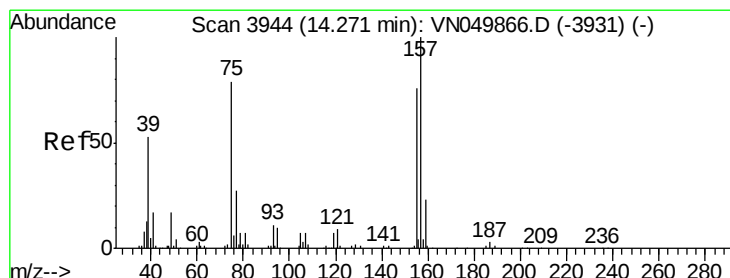
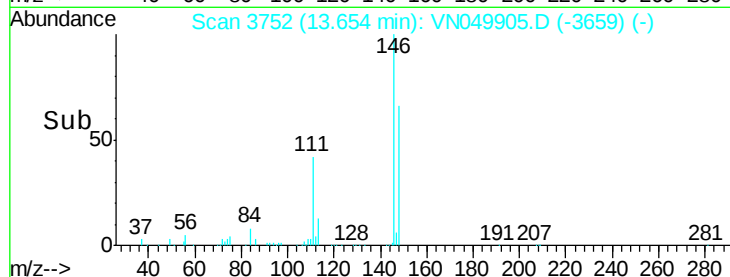
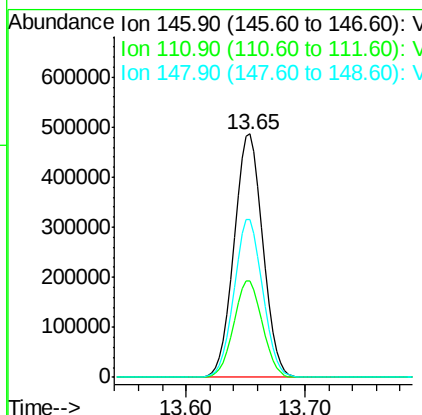
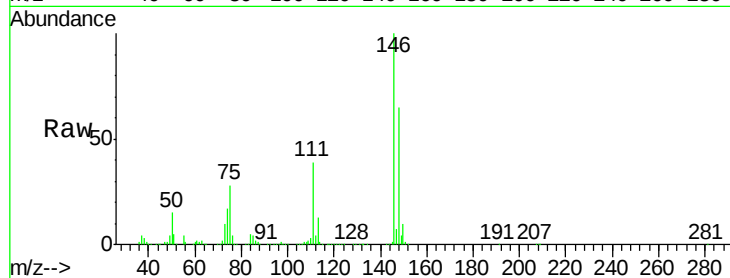




#91
 1,2-Dichlorobenzene
 Concen: 48.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

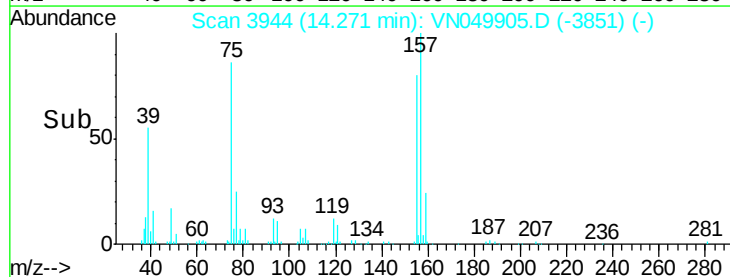
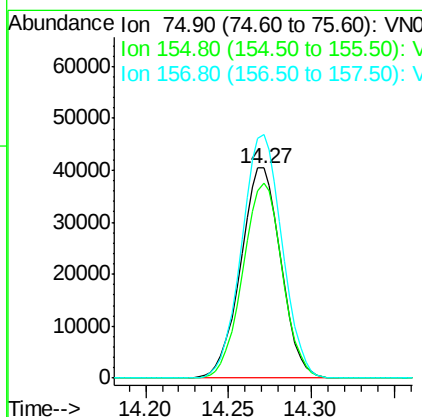
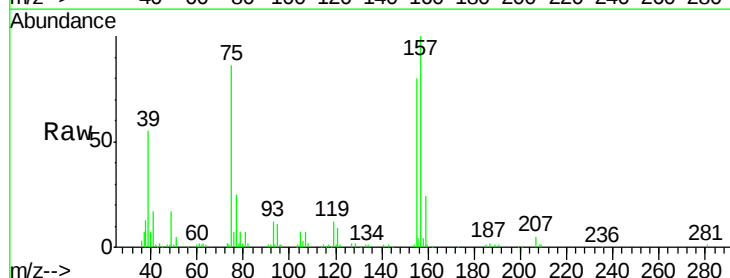
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

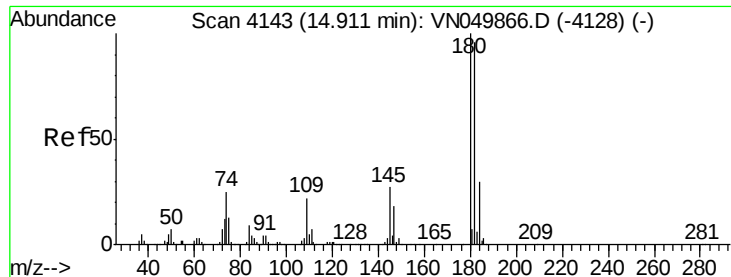
Tot Ion:146 Resp: 814053
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.7 59.1
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.62 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion: 75 Resp: 68520
 Ion Ratio Lower Upper
 75 100
 155 90.8 45.7 137.1
 157 116.4 56.9 170.7

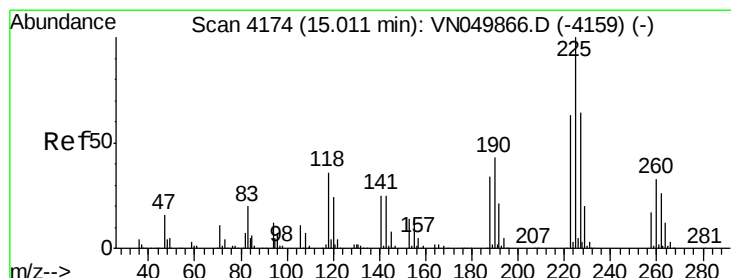
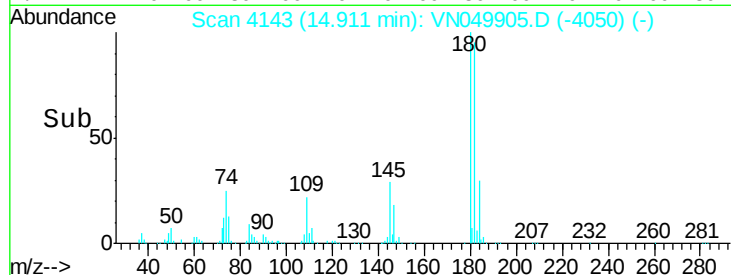
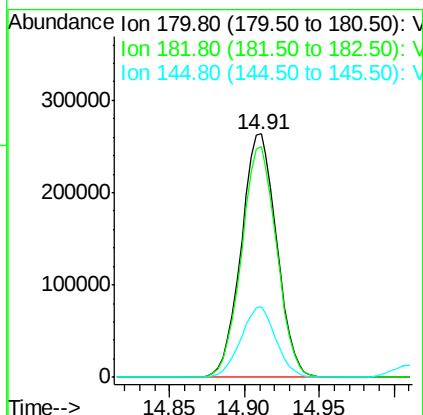
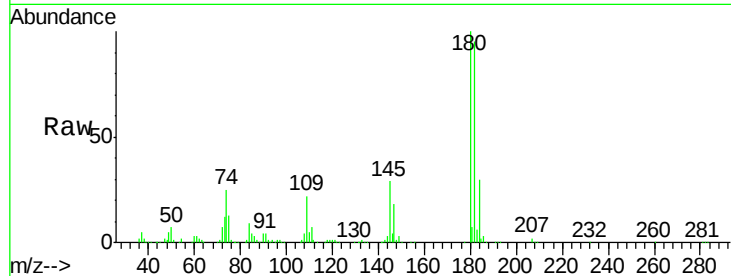




#93
 1,2,4-Trichlorobenzene
 Concen: 47.02 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

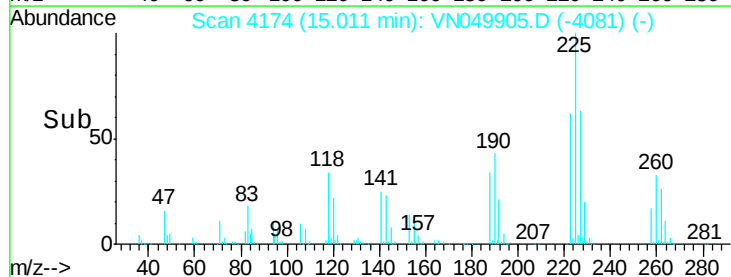
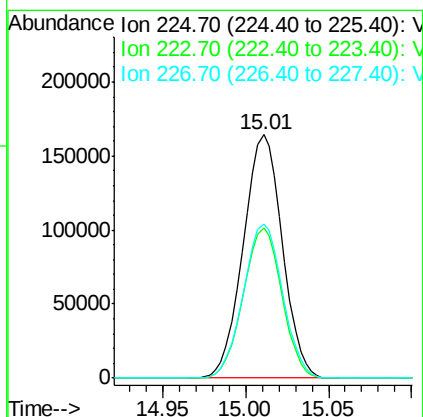
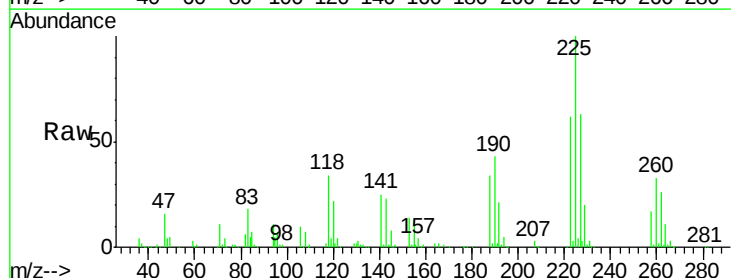
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

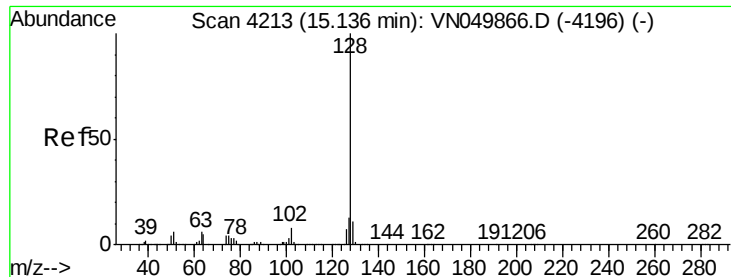
Tot Ion:180 Resp: 434118
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.3 141.9
 145 28.6 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 48.83 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049905.D
 Acq: 19 Jul 2018 9:42

Tgt Ion:225 Resp: 269224
 Ion Ratio Lower Upper
 225 100
 223 61.0 30.9 92.7
 227 63.7 31.8 95.4





#95

Naphthalene

Concen: 41.08 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

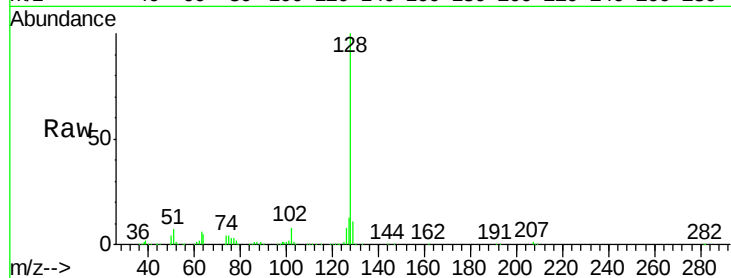
Tot Ion:128 Resp: 891499

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

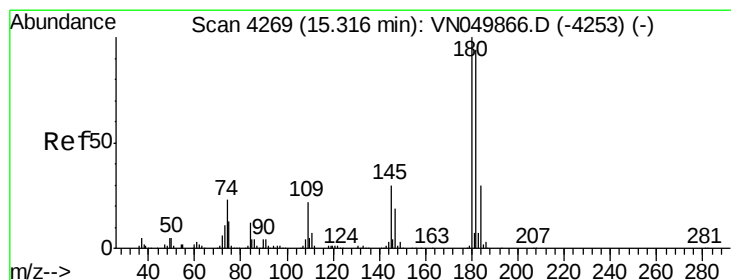
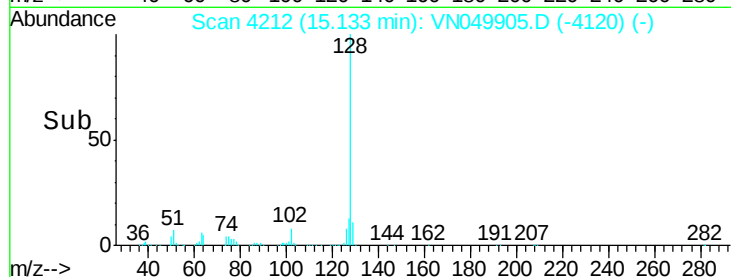
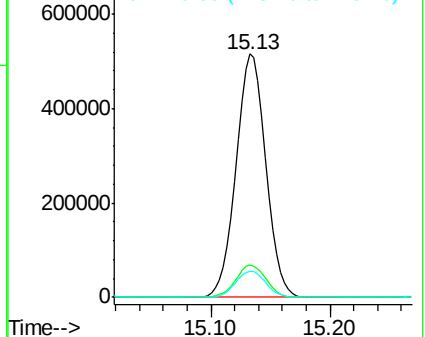
129 11.0 8.6 13.0



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: 52.12 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049905.D

Acq: 19 Jul 2018 9:42

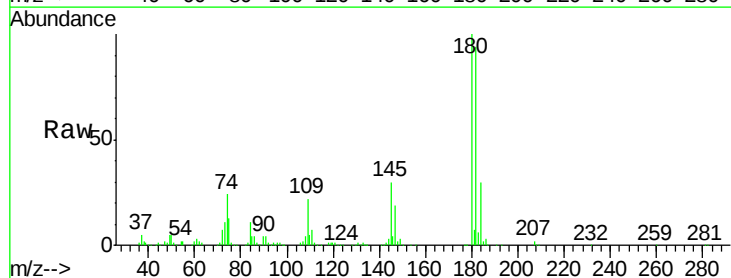
Tgt Ion:180 Resp: 420701

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

145 31.0 15.2 45.6



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

