

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049931.D
 Acq On : 19 Jul 2018 22:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 20 03:07:19 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	7.67	168	589612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	883335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	802054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	421503	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
35) Dibromofluoromethane	7.59	113	374410	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1370042	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	470541	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	261040	48.47	ug/l	97
3) Chloromethane	2.06	50	388590	48.28	ug/l	100
4) Vinyl Chloride	2.18	62	389183	45.34	ug/l	100
5) Bromomethane	2.56	94	156983	32.02	ug/l	99
6) Chloroethane	2.70	64	254173	45.34	ug/l	100
7) Trichlorofluoromethane	3.01	101	536918	45.50	ug/l	97
8) Diethyl Ether	3.41	74	200077	48.60	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329727	45.32	ug/l	99
10) Methyl Iodide	3.95	142	343092	35.15	ug/l	97
11) Tert butyl alcohol	4.81	59	133418	231.09	ug/l	100
12) 1,1-Dichloroethene	3.73	96	298968	46.77	ug/l	100
13) Acrolein	3.61	56	75372	202.60	ug/l	95
14) Allyl chloride	4.32	41	478725	47.51	ug/l	99
15) Acrylonitrile	4.99	53	643780	253.55	ug/l	97
16) Acetone	3.82	43	471589	224.76	ug/l	99
17) Carbon Disulfide	4.05	76	820389	42.89	ug/l	99
18) Methyl Acetate	4.33	43	360299	54.73	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	918054	52.20	ug/l	98
20) Methylene Chloride	4.55	84	383583	48.07	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	329547	48.55	ug/l	99
22) Diisopropyl ether	5.96	45	1096173	53.31	ug/l	98
23) Vinyl Acetate	5.90	43	3835747	265.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	643289	48.73	ug/l	100
25) 2-Butanone	6.84	43	752570	250.97	ug/l	100
26) 2,2-Dichloropropane	6.83	77	445681	43.39	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	372757	50.05	ug/l	99
28) Bromochloromethane	7.20	49	321597	53.94	ug/l	99
29) Tetrahydrofuran	7.22	42	499550	264.45	ug/l	99
30) Chloroform	7.37	83	664582	49.04	ug/l	99
31) Cyclohexane	7.65	56	515667	48.00	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	563381	48.10	ug/l	99
36) 1,1-Dichloropropene	7.79	75	473588	48.22	ug/l	100
37) Ethyl Acetate	6.94	43	333809	49.50	ug/l	100
38) Carbon Tetrachloride	7.77	117	498297	47.36	ug/l	100

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 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)
39) Methylcyclohexane	9.08	83	483612	47.66	ug/l	97
40) Benzene	8.04	78	1449619	48.42	ug/l	100
41) Methacrylonitrile	7.17	41	169657	50.18	ug/l	94
42) 1,2-Dichloroethane	8.13	62	483493	48.76	ug/l	100
43) Isopropyl Acetate	8.17	43	659336	55.96	ug/l	99
44) Trichloroethene	8.84	130	374325	47.69	ug/l	99
45) 1,2-Dichloropropane	9.12	63	394957	48.91	ug/l	100
46) Dibromomethane	9.21	93	243381	48.60	ug/l	98
47) Bromodichloromethane	9.40	83	514152	49.64	ug/l	99
48) Methyl methacrylate	9.20	41	304845	51.58	ug/l	99
49) 1,4-Dioxane	9.20	88	83508	995.96	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1752988	266.14	ug/l	100
52) Toluene	10.16	92	909592	50.94	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	507196	49.52	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	569202	50.29	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	354871	48.11	ug/l	100
56) Ethyl methacrylate	10.43	69	461472	46.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	585402	50.39	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1108474	238.46	ug/l	99
59) 2-Hexanone	10.75	43	1186834	268.26	ug/l	100
60) Dibromochloromethane	10.90	129	400068	49.46	ug/l	99
61) 1,2-Dibromoethane	11.01	107	348326	50.53	ug/l	99
64) Tetrachloroethene	10.63	164	342563	47.53	ug/l	99
65) Chlorobenzene	11.44	112	993505	49.30	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	383391	49.12	ug/l	99
67) Ethyl Benzene	11.51	91	1703622	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1317263	106.45	ug/l	99
69) o-Xylene	11.95	106	632890	53.25	ug/l	98
70) Styrene	11.97	104	1073038	55.74	ug/l	100
71) Bromoform	12.13	173	291116	52.14	ug/l #	98
73) Isopropylbenzene	12.25	105	1692628	51.65	ug/l	100
74) N-amyl acetate	12.07	43	534531	53.58	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	473340	48.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	570082	70.44	ug/l #	100
77) Bromobenzene	12.53	156	443025	48.95	ug/l	97
78) n-propylbenzene	12.59	91	1950125	52.34	ug/l	100
79) 2-Chlorotoluene	12.68	91	1173926	51.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1389760	52.91	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	126811	48.99	ug/l	97
82) 4-Chlorotoluene	12.78	91	1175260	51.21	ug/l	100
83) tert-Butylbenzene	12.99	119	1202294	52.12	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1429222	53.71	ug/l	100
85) sec-Butylbenzene	13.17	105	1606541	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1398051	53.79	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	784688	49.76	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	766462	48.48	ug/l	99
89) n-Butylbenzene	13.62	91	1130639	52.69	ug/l	99
90) Hexachloroethane	13.88	117	271100	46.48	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	777229	50.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76471	50.41	ug/l	98

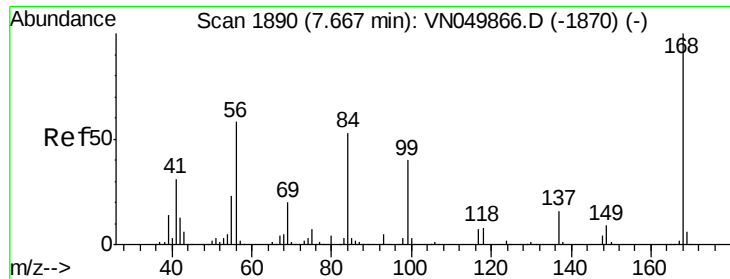
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	385822	45.47	ug/l	99
94) Hexachlorobutadiene	15.01	225	230993	45.47	ug/l	99
95) Naphthalene	15.14	128	890404	44.15	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	393661	52.93	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

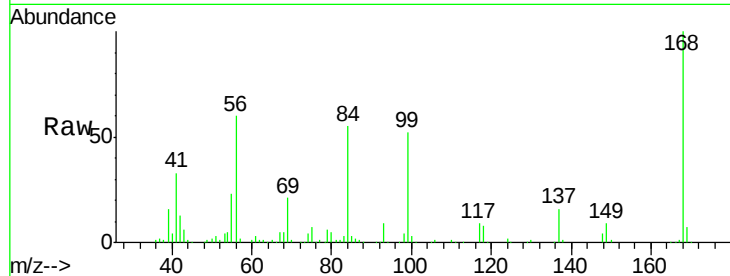
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 589612

Ion Ratio Lower Upper

168 100

99 51.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

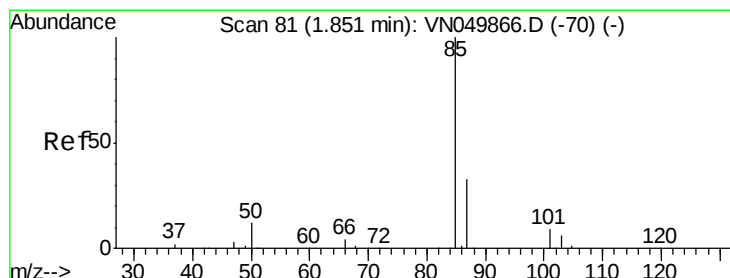
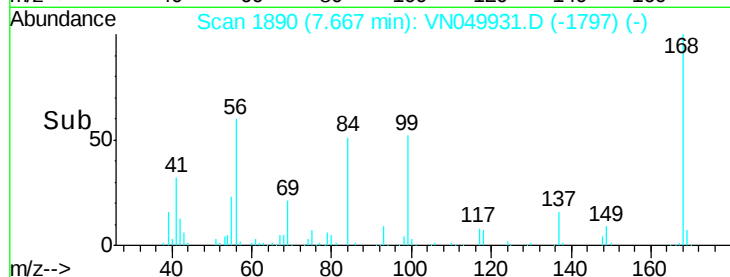
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.47 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049931.D

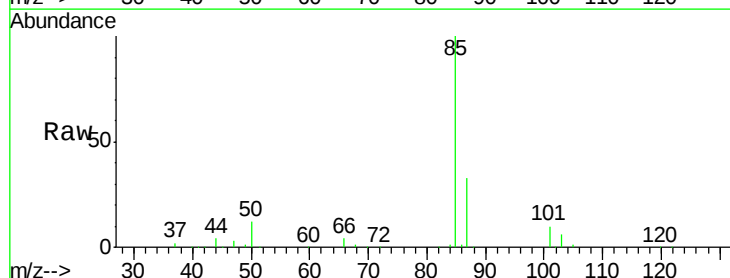
Acq: 19 Jul 2018 22:03

Tgt Ion: 85 Resp: 261040

Ion Ratio Lower Upper

85 100

87 32.6 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

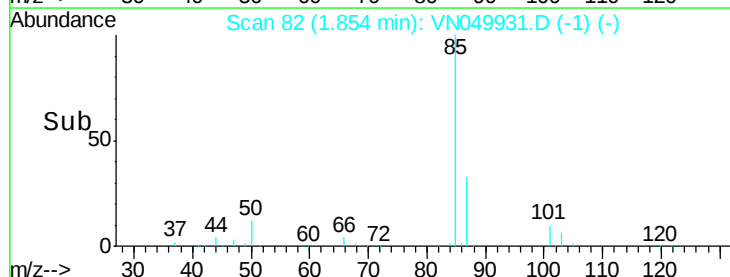
150000

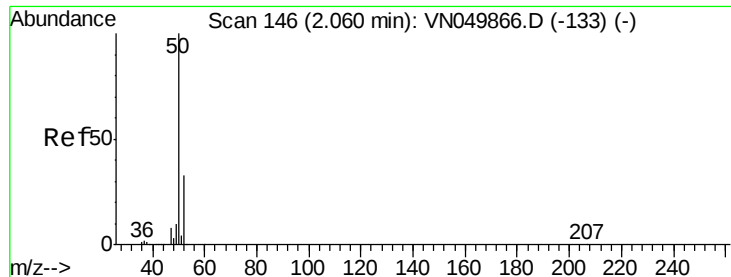
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.28 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

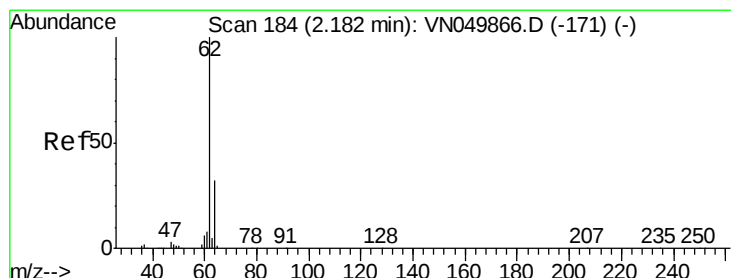
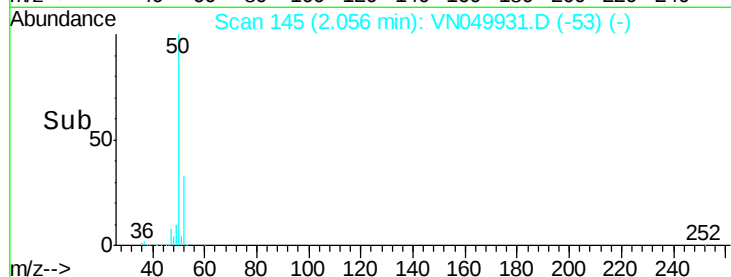
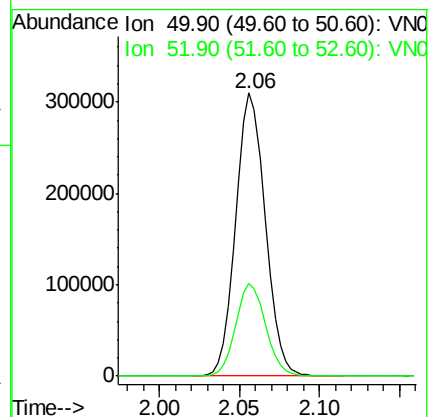
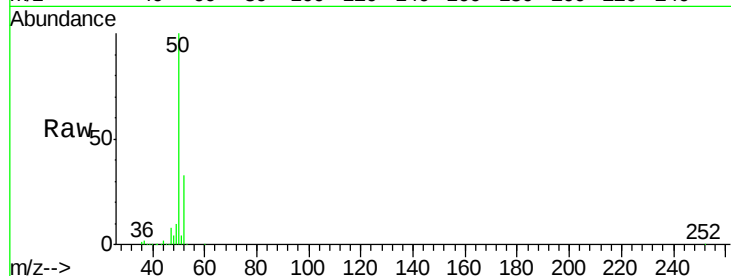
VSTDCCC050

Tot Ion: 50 Resp: 388590

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 45.34 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049931.D

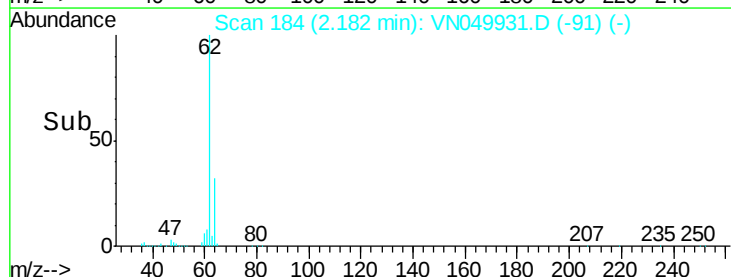
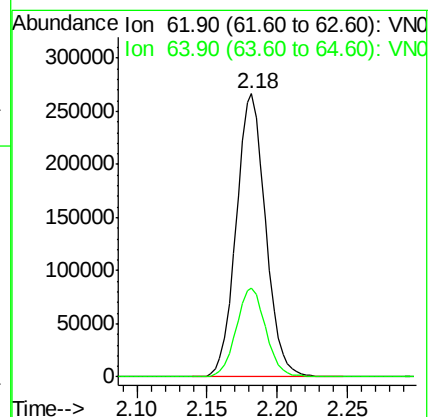
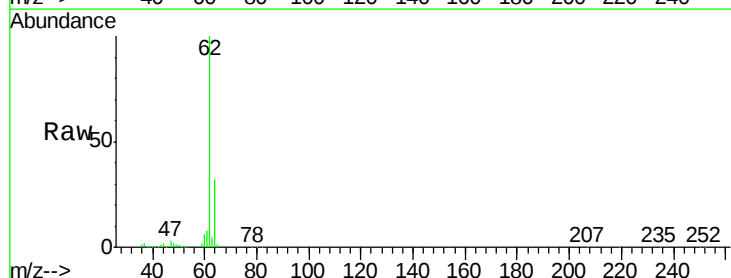
Acq: 19 Jul 2018 22:03

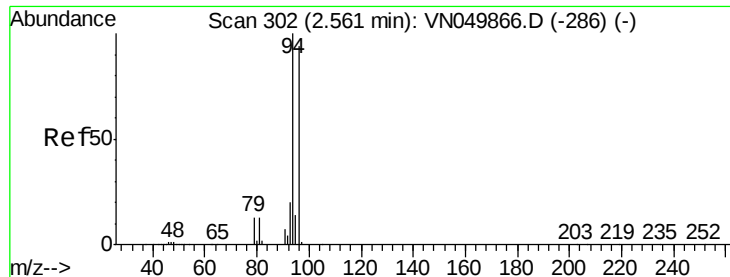
Tgt Ion: 62 Resp: 389183

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 32.02 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

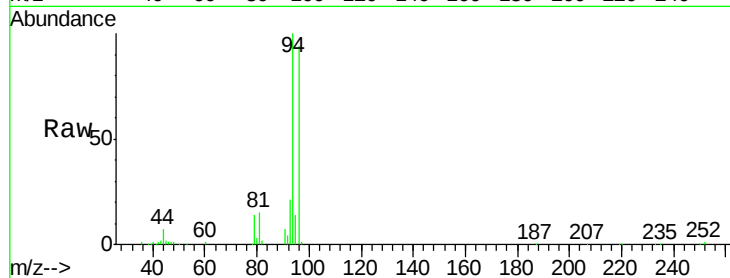
VSTDCCC050

Tot Ion: 94 Resp: 156983

Ion Ratio Lower Upper

94 100

96 93.6 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

80000

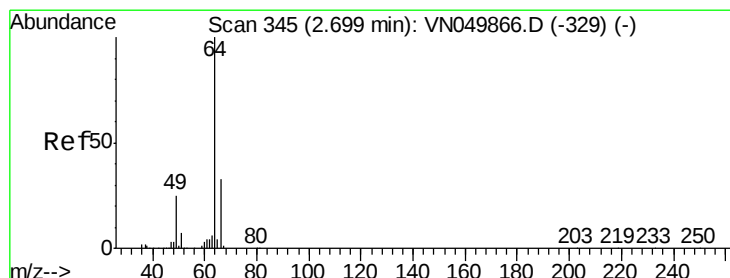
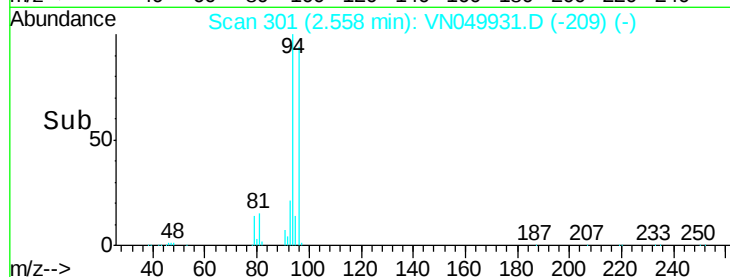
60000

40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 45.34 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049931.D

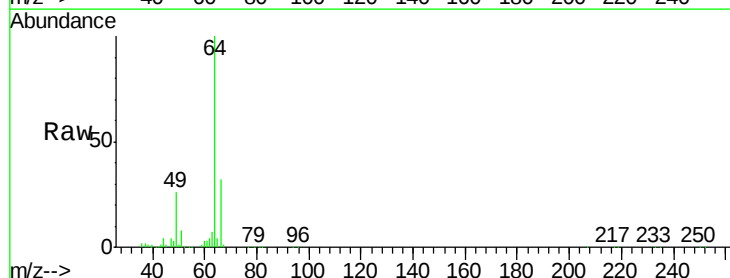
Acq: 19 Jul 2018 22:03

Tgt Ion: 64 Resp: 254173

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

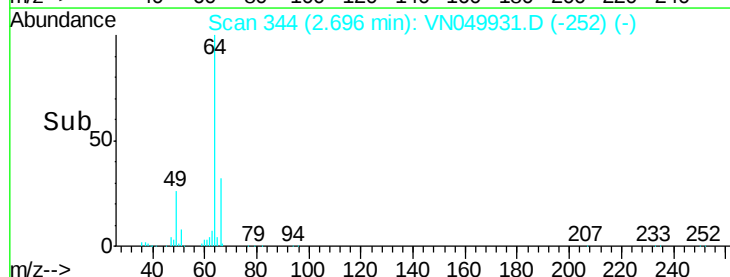
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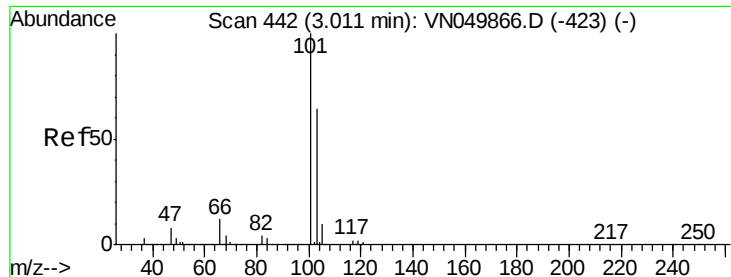
100000

50000

0

Time--> 2.60 2.70 2.80



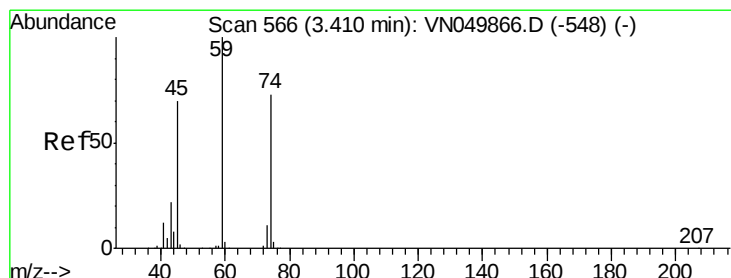
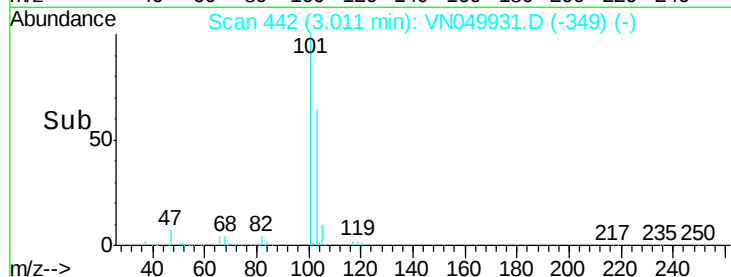
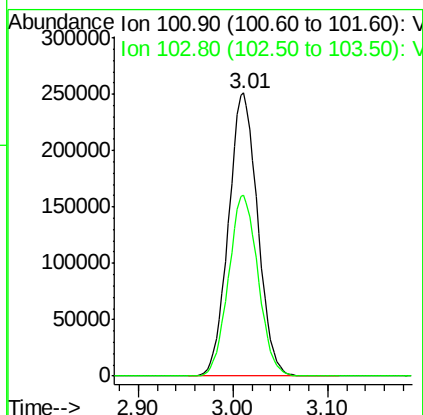
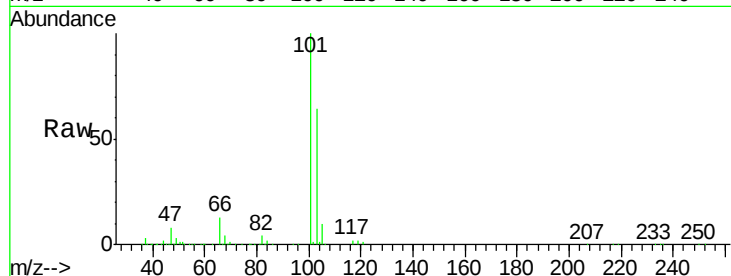


#7

Trichlorofluoromethane
 Concen: 45.50 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
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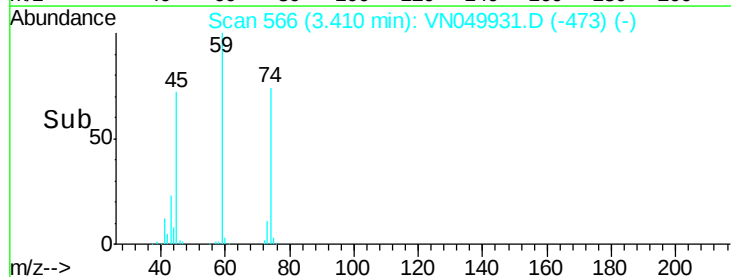
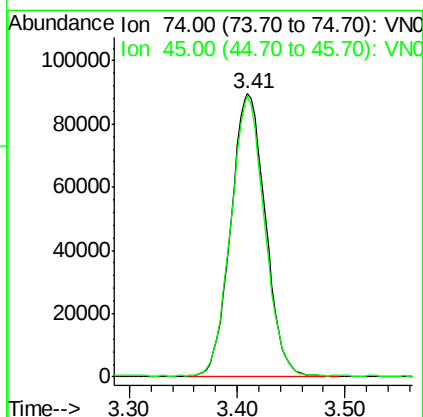
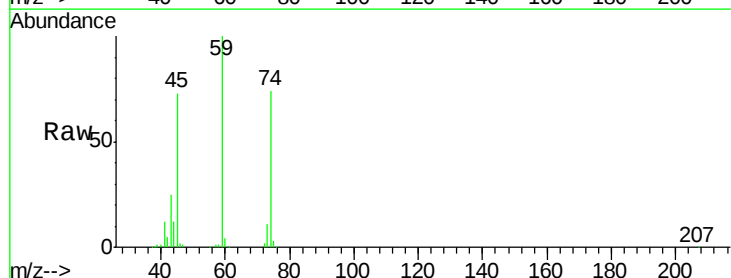
Tot Ion:101 Resp: 536918
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.8 79.2

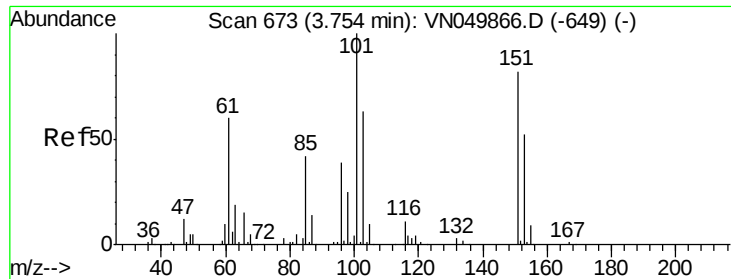


#8

Diethyl Ether
 Concen: 48.60 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 74 Resp: 200077
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.32 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

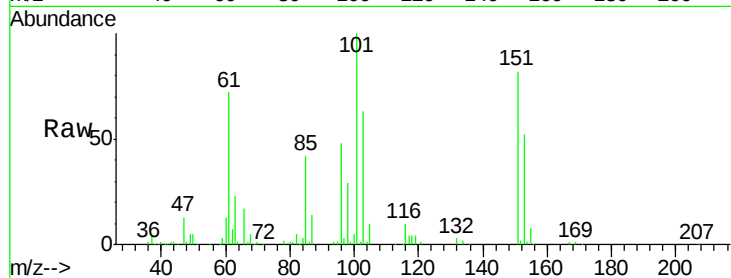
Tot Ion:101 Resp: 329727

Ion Ratio Lower Upper

101 100

85 42.8 34.4 51.6

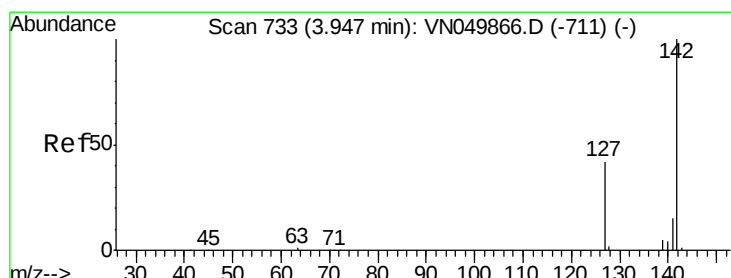
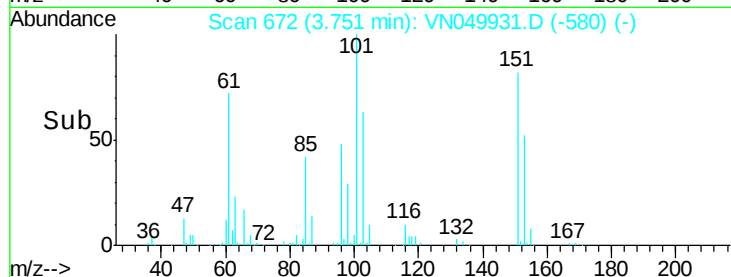
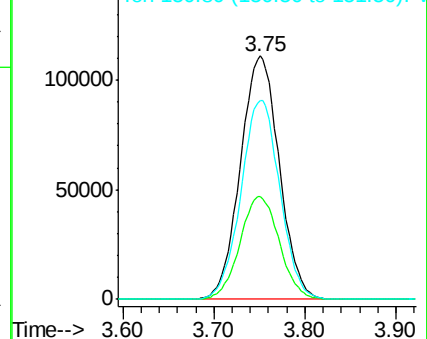
151 81.9 66.2 99.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 35.15 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

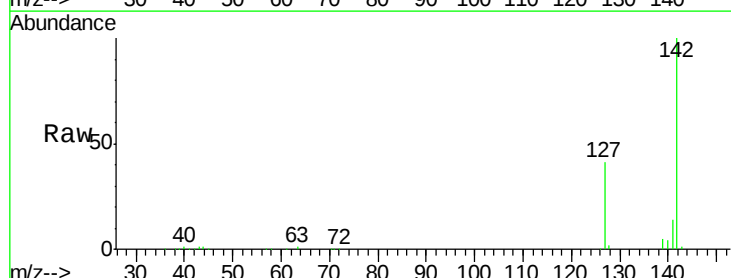
Tgt Ion:142 Resp: 343092

Ion Ratio Lower Upper

142 100

127 42.5 32.5 48.7

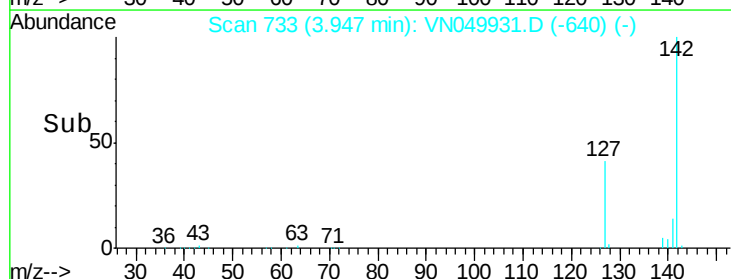
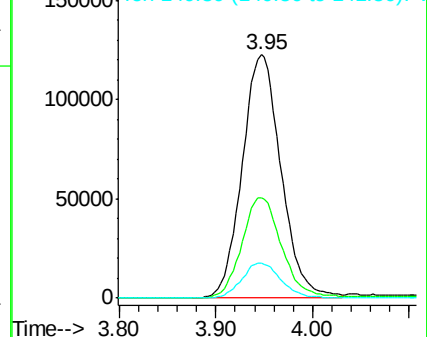
141 14.6 11.1 16.7

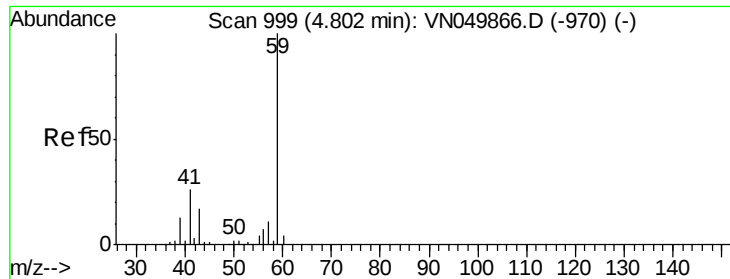


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



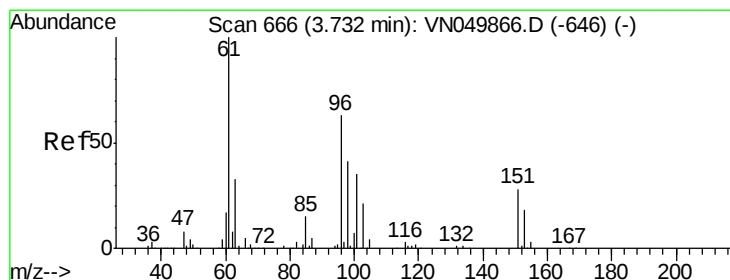
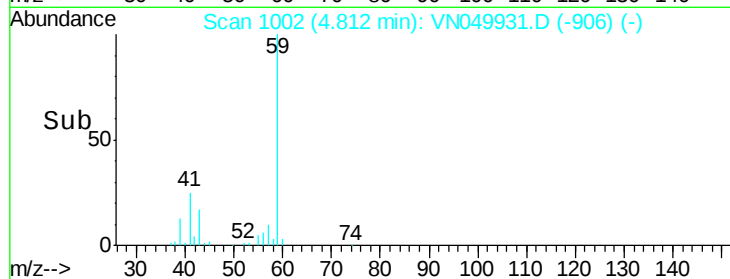
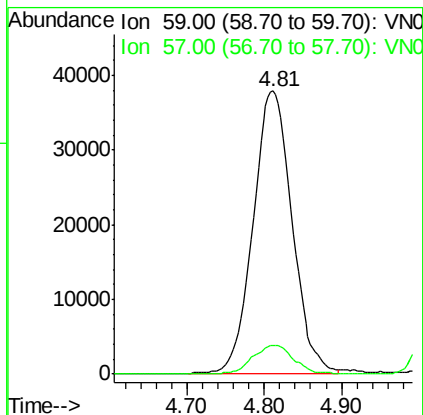
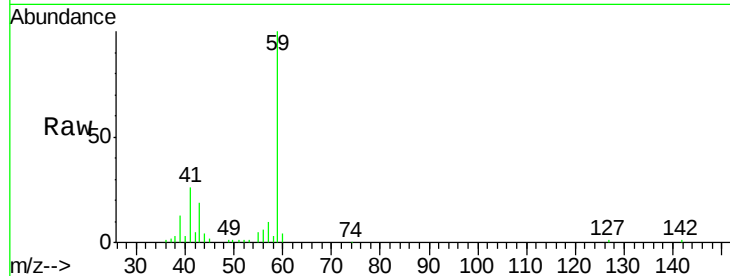


#11

Tert butyl alcohol
 Concen: 231.09 ug/l
 RT: 4.81 min Scan# 1002
 Delta R.T. 0.01 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

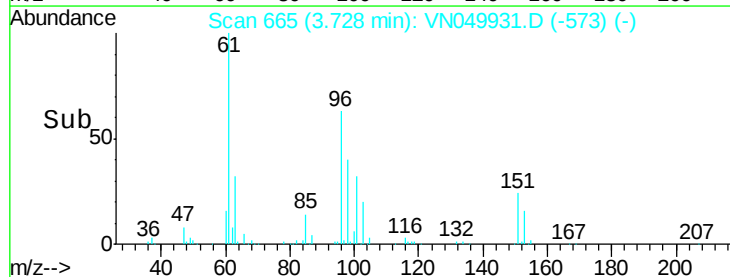
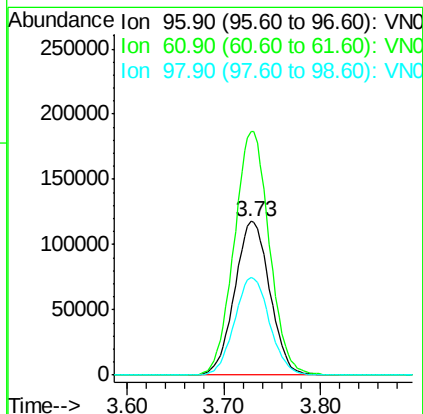
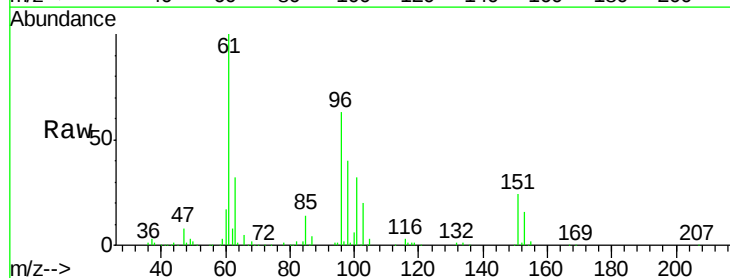
Tot Ion: 59 Resp: 133418
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

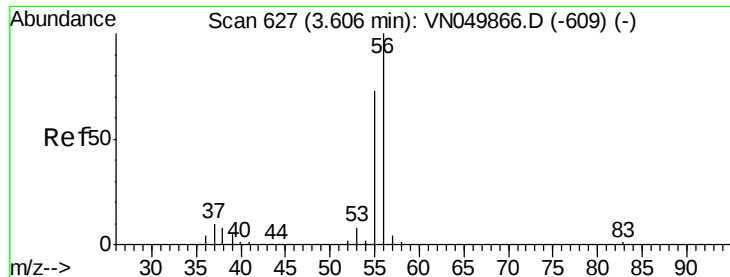


#12

1,1-Dichloroethene
 Concen: 46.77 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 96 Resp: 298968
 Ion Ratio Lower Upper
 96 100
 61 158.4 126.5 189.7
 98 63.9 51.0 76.6





#13

Acrolein

Concen: 202.60 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

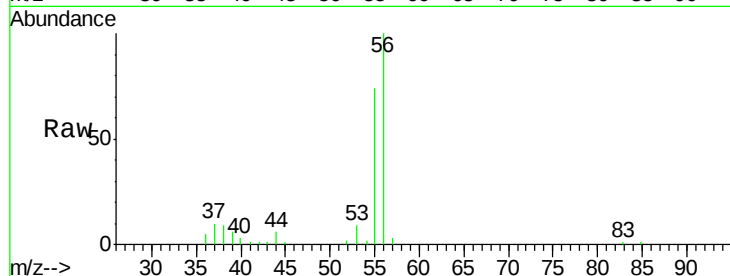
VSTDCCC050

Tot Ion: 56 Resp: 75372

Ion Ratio Lower Upper

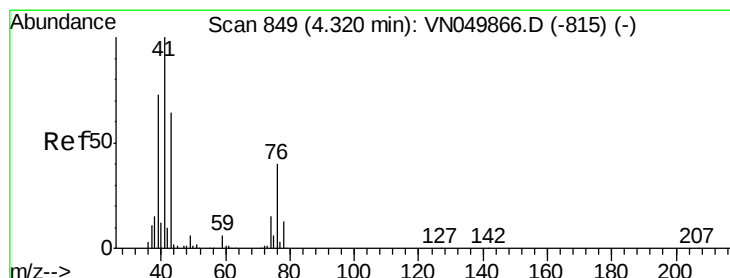
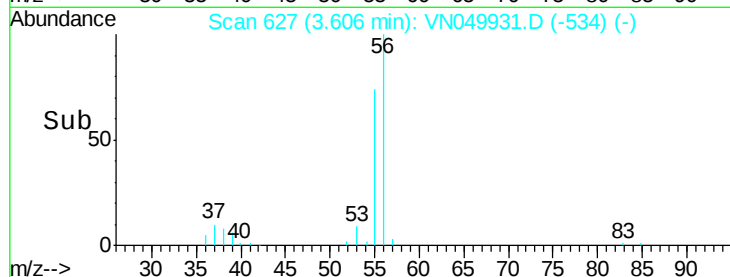
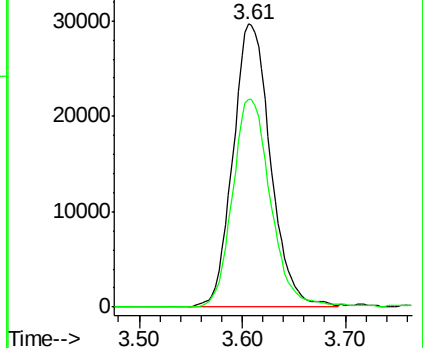
56 100

55 73.8 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VN049931.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049931.D (-534) (-)



#14

Allyl chloride

Concen: 47.51 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

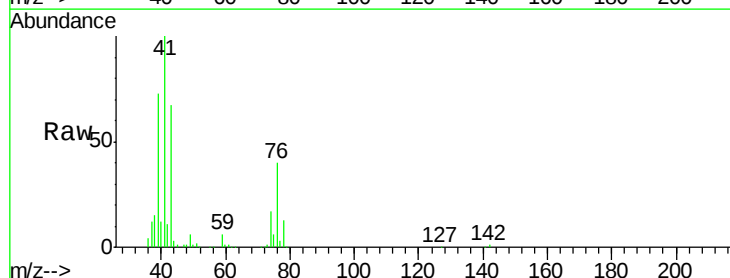
Tgt Ion: 41 Resp: 478725

Ion Ratio Lower Upper

41 100

39 68.2 53.2 79.8

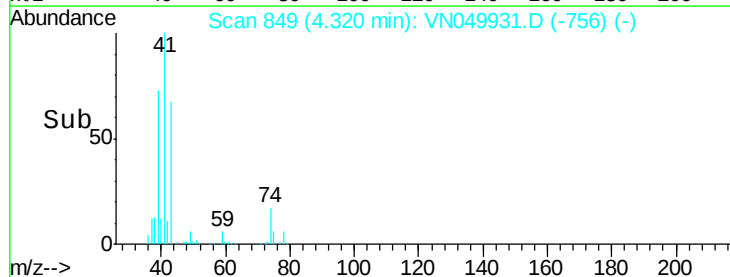
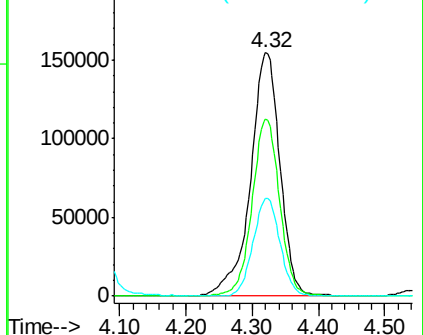
76 36.3 29.0 43.6

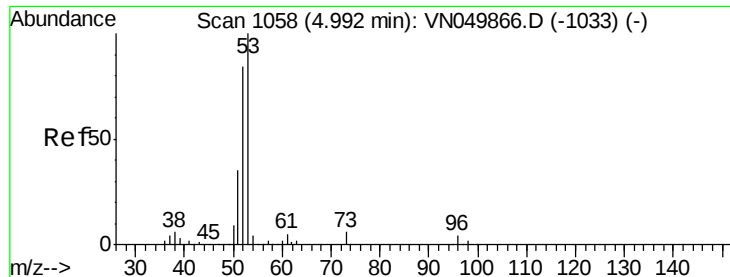


Abundance Ion 41.00 (40.70 to 41.70): VN049931.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN049931.D (-756) (-)

Ion 75.90 (75.60 to 76.60): VN049931.D (-756) (-)

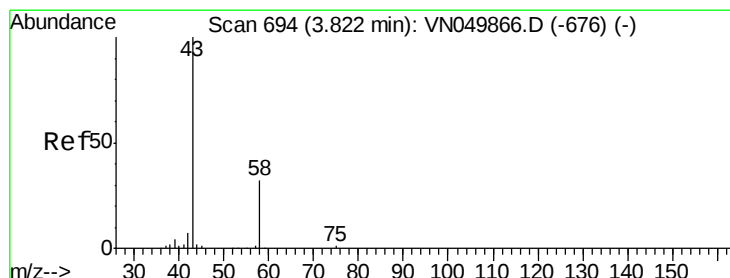
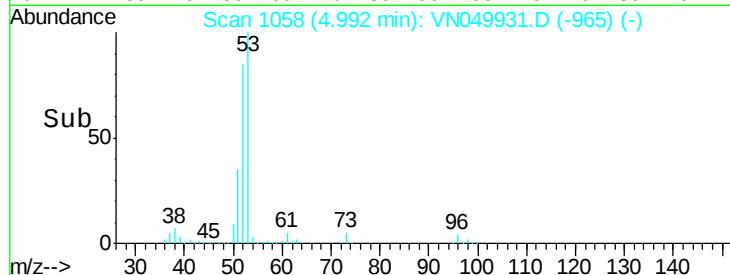
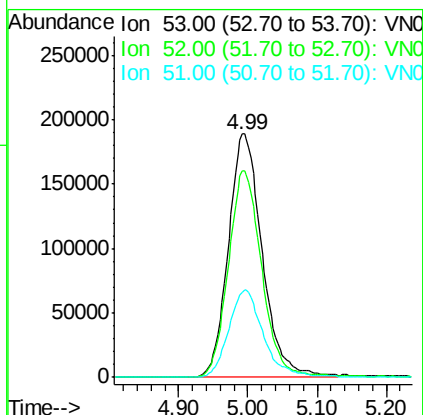
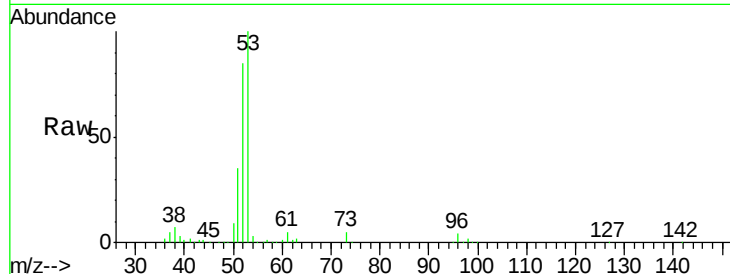




#15
 Acrylonitrile
 Concen: 253.55 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

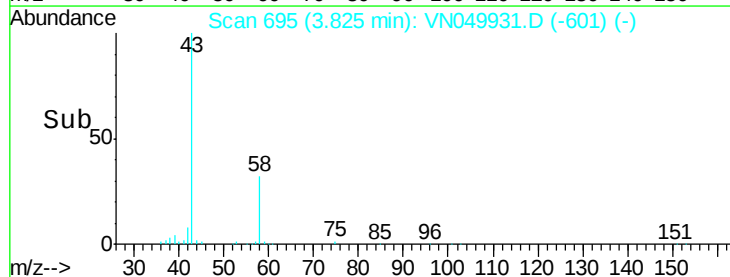
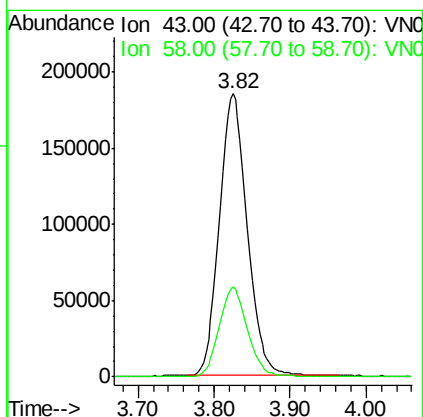
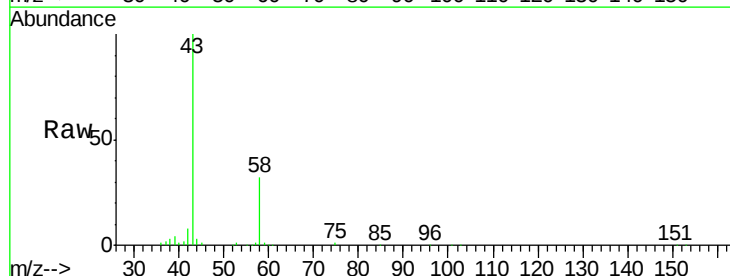
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

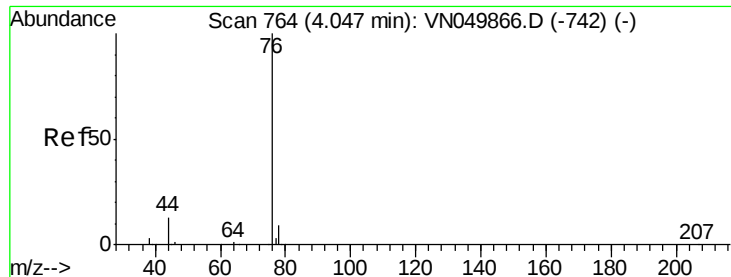
Tot Ion: 53 Resp: 643780
 Ion Ratio Lower Upper
 53 100
 52 83.9 64.8 97.2
 51 36.8 28.9 43.3



#16
 Acetone
 Concen: 224.76 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 43 Resp: 471589
 Ion Ratio Lower Upper
 43 100
 58 31.7 25.9 38.9

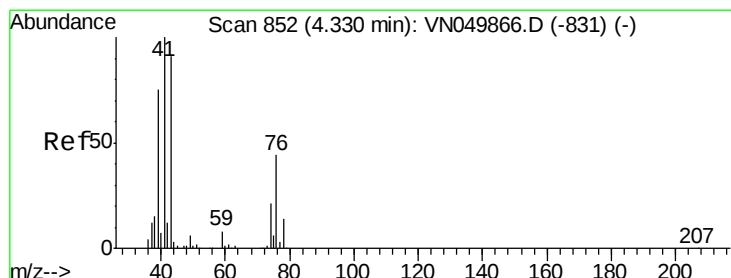
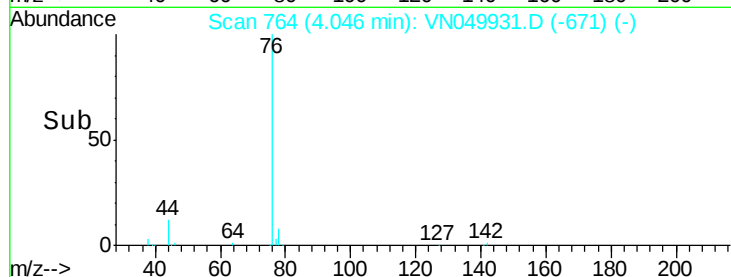
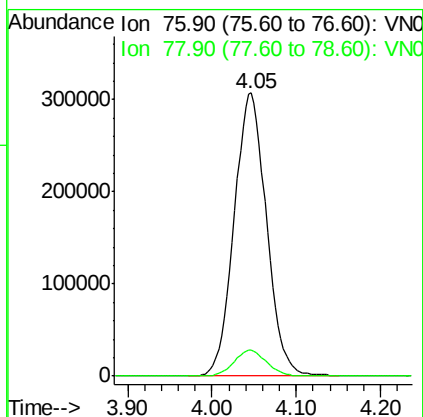
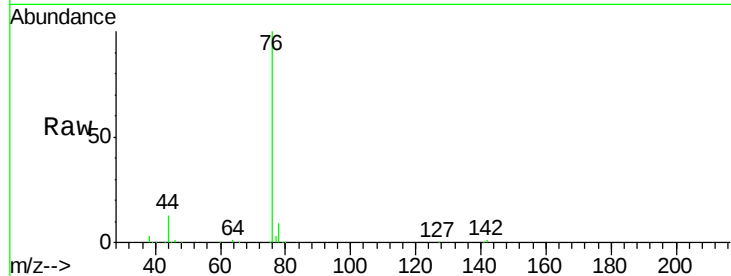




#17
Carbon Disulfide
Concen: 42.89 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

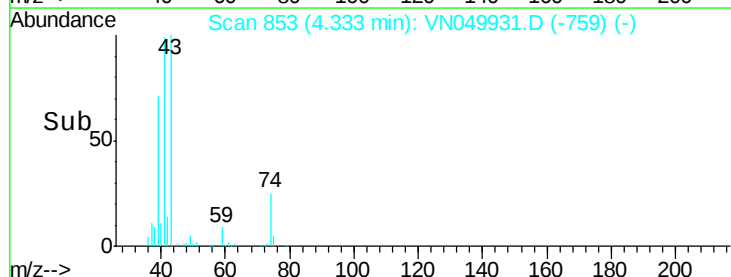
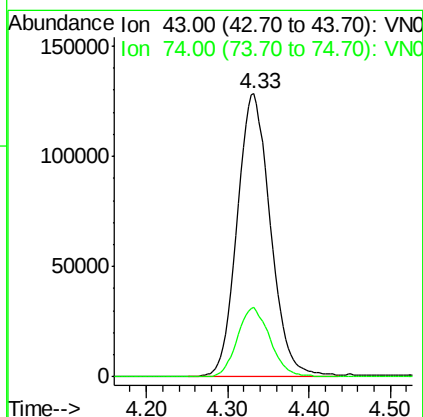
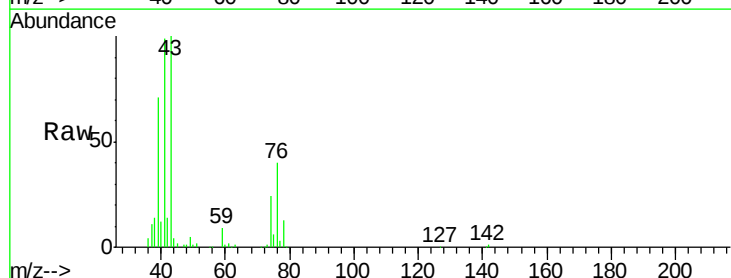
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

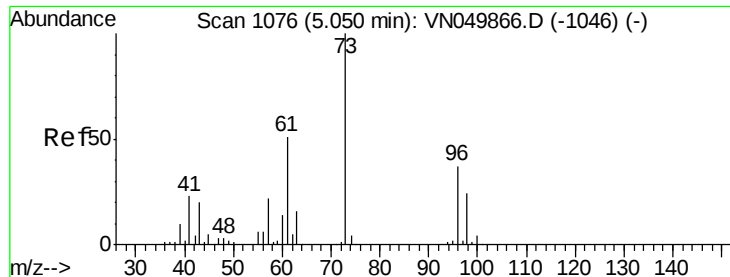
Tot Ion: 76 Resp: 820389
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7



#18
Methyl Acetate
Concen: 54.73 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 43 Resp: 360299
Ion Ratio Lower Upper
43 100
74 24.4 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 52.20 ug/l

RT: 5.06 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

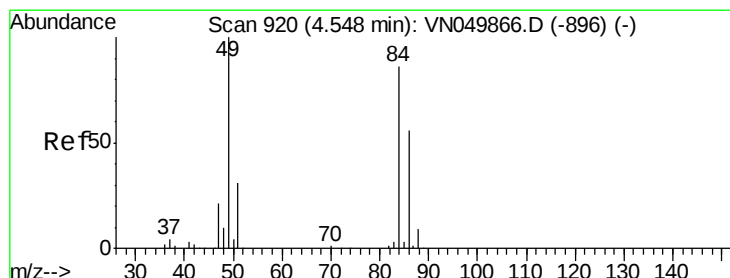
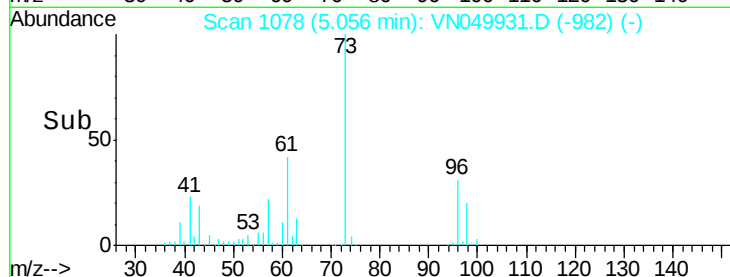
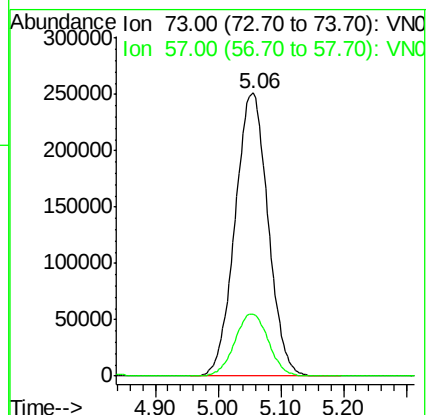
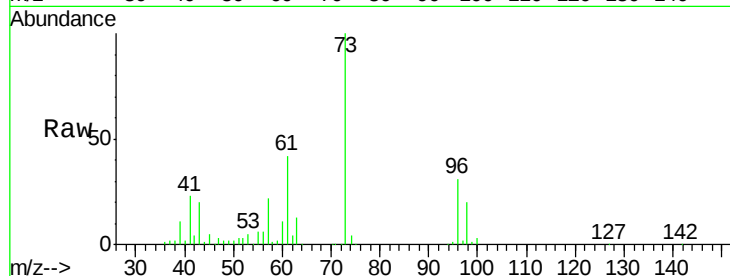
VSTDCCC050

Tot Ion: 73 Resp: 918054

Ion Ratio Lower Upper

73 100

57 21.9 18.1 27.1



#20

Methylene Chloride

Concen: 48.07 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion: 84 Resp: 383583

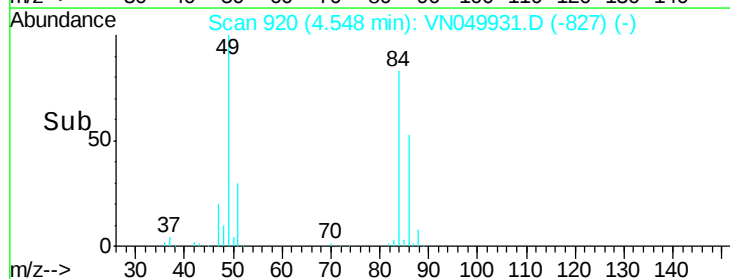
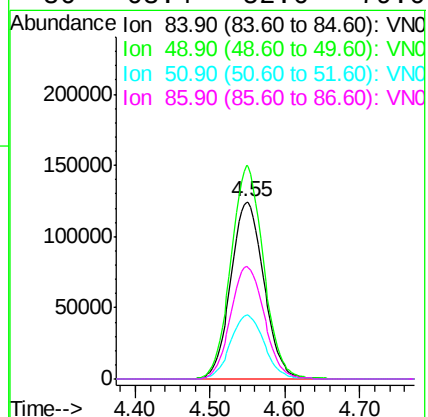
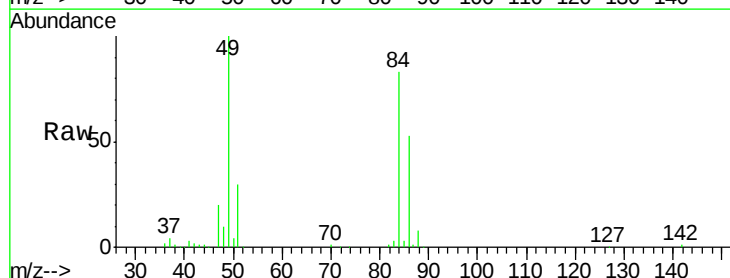
Ion Ratio Lower Upper

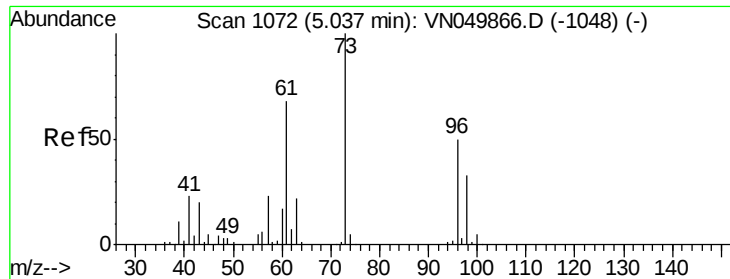
84 100

49 120.5 95.4 143.2

51 36.1 28.4 42.6

86 63.4 52.6 79.0

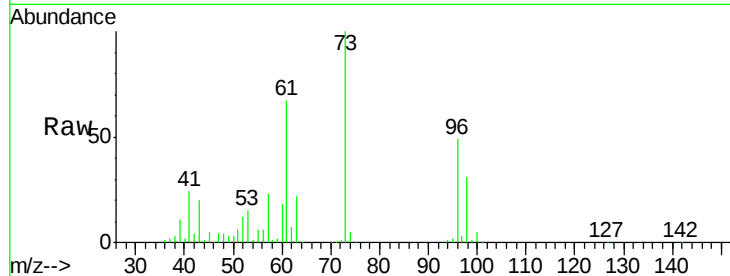




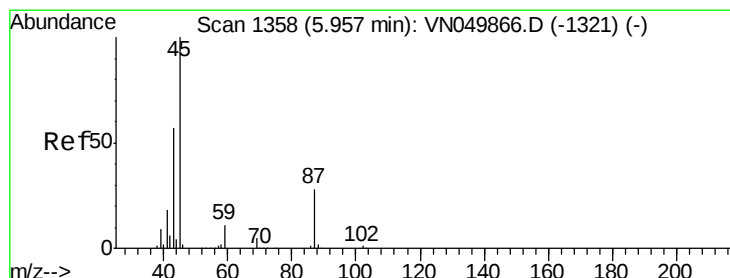
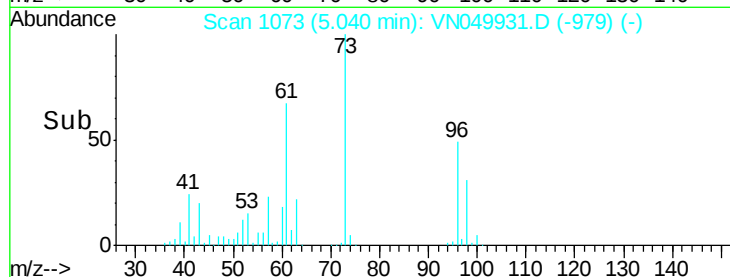
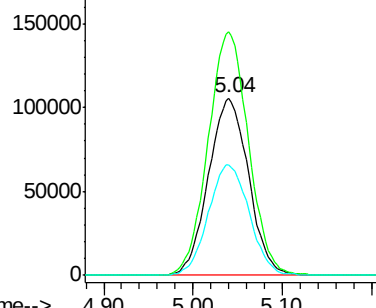
#21
trans-1,2-Dichloroethene
Concen: 48.55 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 329547
Ion Ratio Lower Upper
96 100
61 137.2 109.0 163.6
98 62.4 51.1 76.7

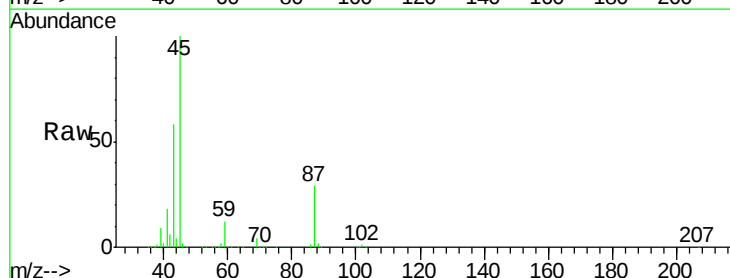


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

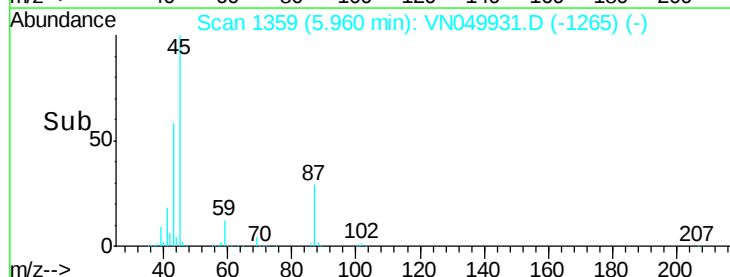
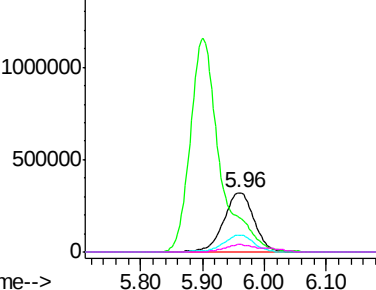


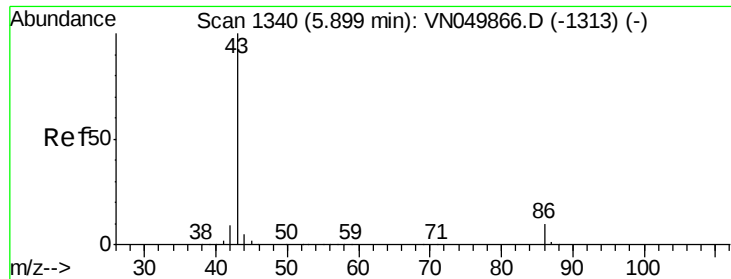
#22
Diisopropyl ether
Concen: 53.31 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 45 Resp: 1096173
Ion Ratio Lower Upper
45 100
43 57.8 48.1 72.1
87 28.6 22.6 34.0
59 12.0 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

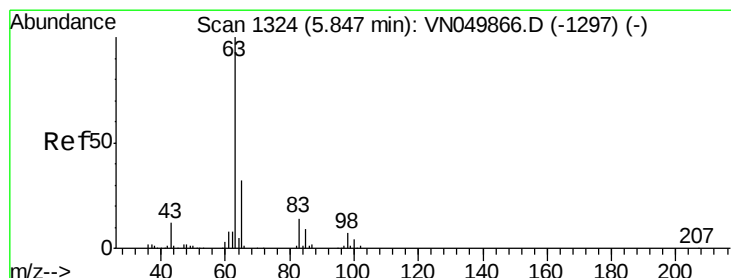
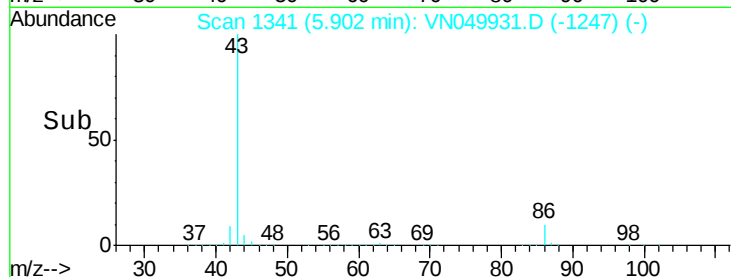
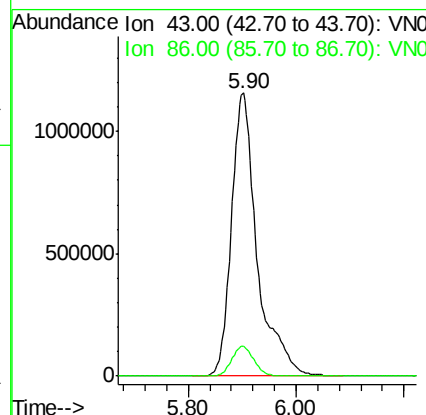
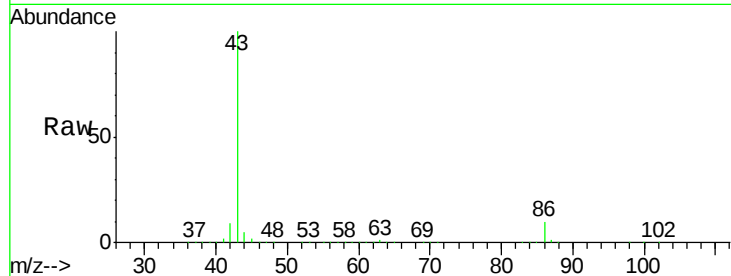




#23
 Vinyl Acetate
 Concen: 265.86 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

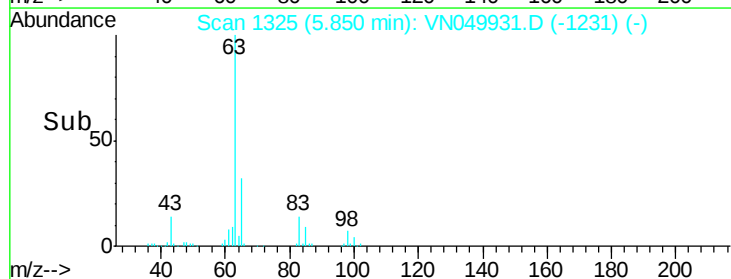
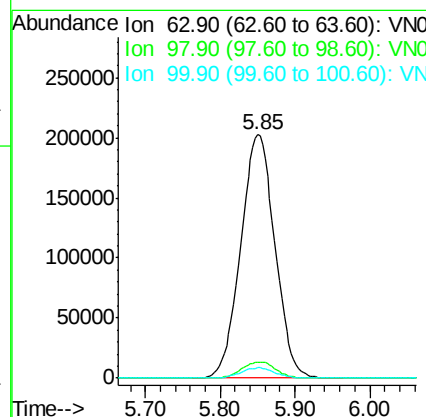
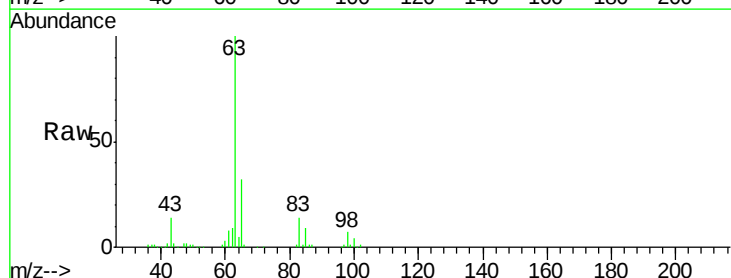
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

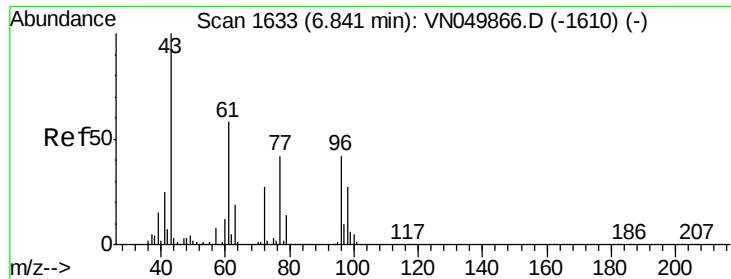
Tot Ion: 43 Resp: 3835747
 Ion Ratio Lower Upper
 43 100
 86 10.4 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 48.73 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 63 Resp: 643289
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.4 10.2
 100 4.3 2.2 6.6





#25

2-Butanone

Concen: 250.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

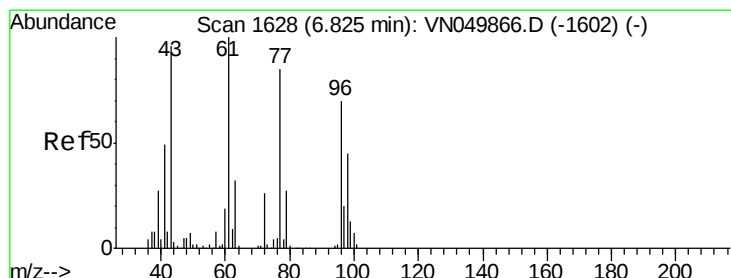
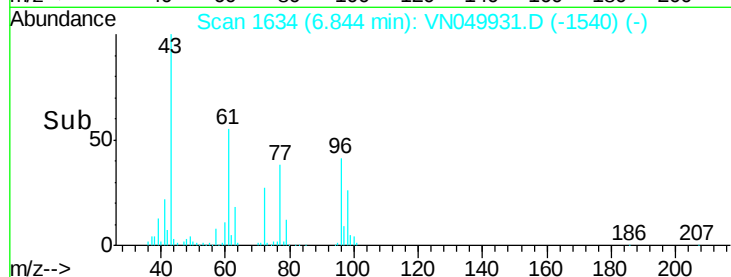
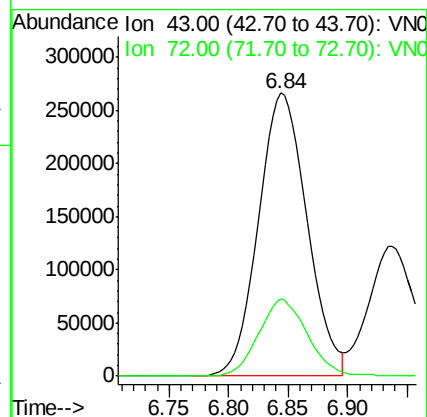
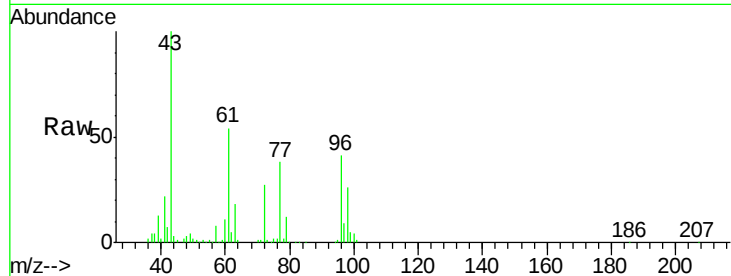
VSTDCCC050

Tot Ion: 43 Resp: 752570

Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 43.39 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049931.D

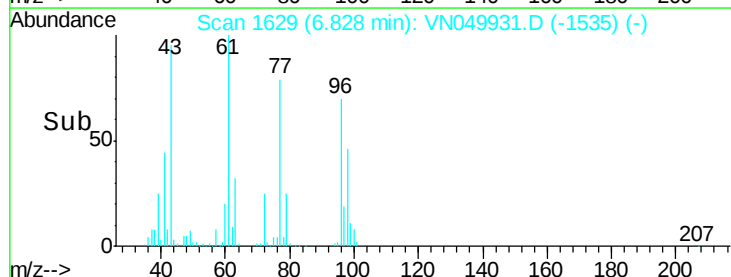
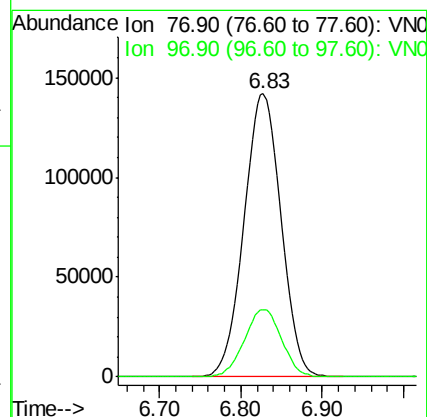
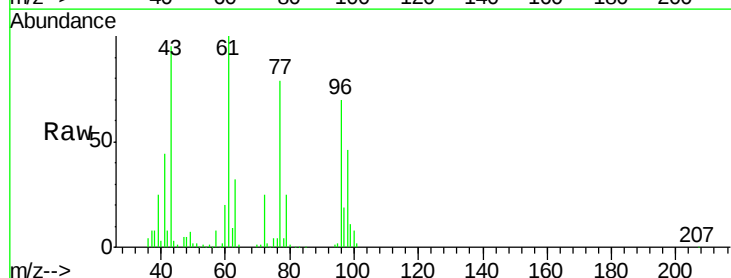
Acq: 19 Jul 2018 22:03

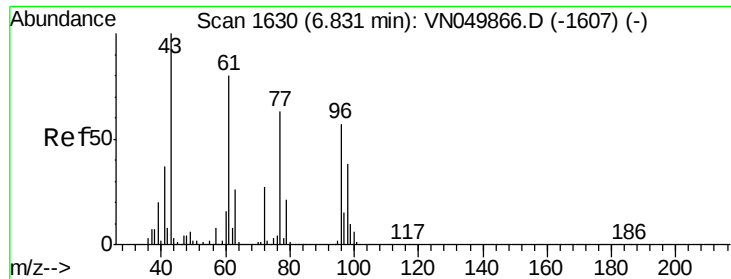
Tgt Ion: 77 Resp: 445681

Ion Ratio Lower Upper

77 100

97 23.8 11.9 35.5

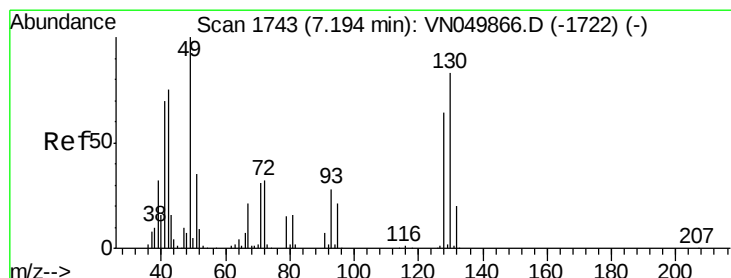
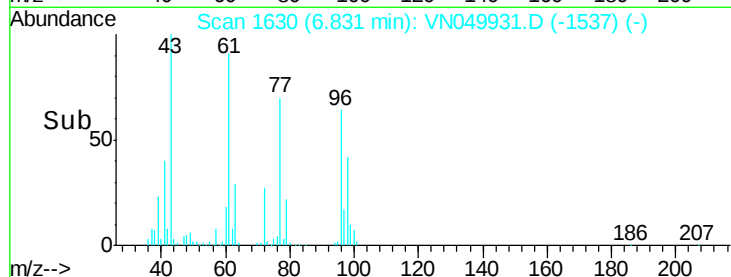
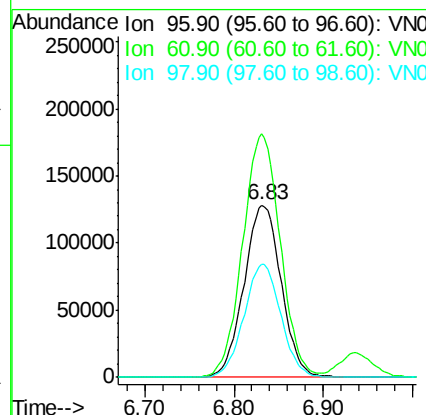
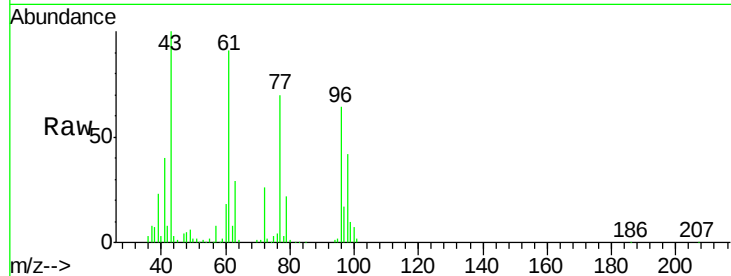




#27
 cis-1,2-Dichloroethene
 Concen: 50.05 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

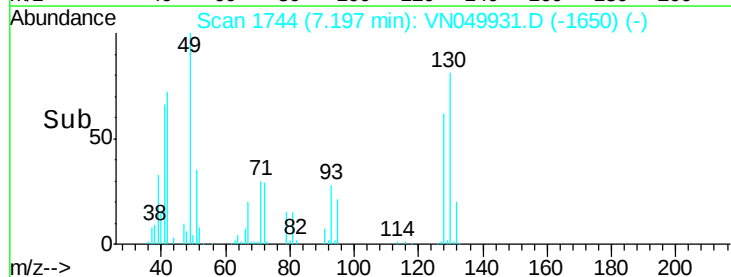
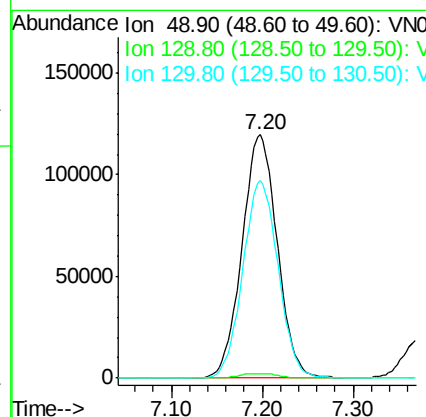
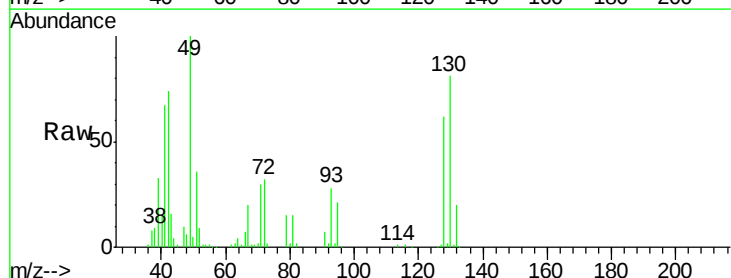
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

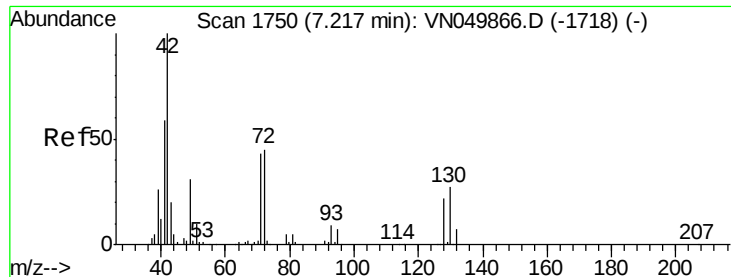
Tot Ion: 96 Resp: 372757
 Ion Ratio Lower Upper
 96 100
 61 142.6 0.0 289.0
 98 65.0 0.0 130.2



#28
 Bromochloromethane
 Concen: 53.94 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 49 Resp: 321597
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.2
 130 81.5 65.5 98.3

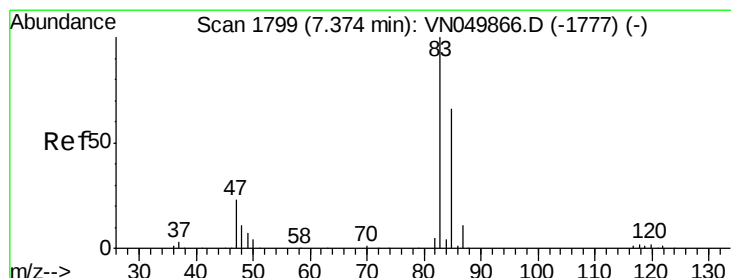
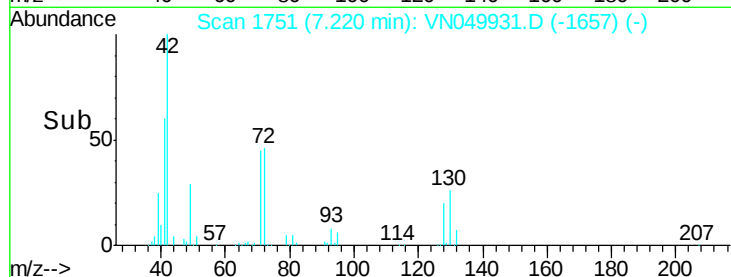
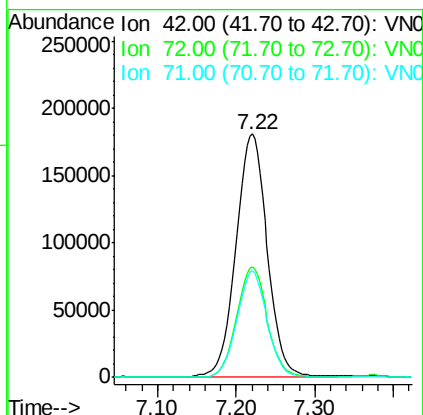
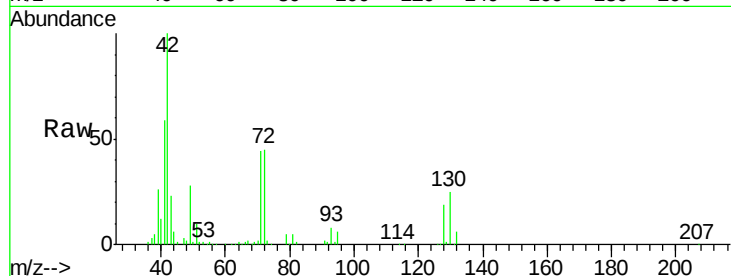




#29
Tetrahydrofuran
Concen: 264.45 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

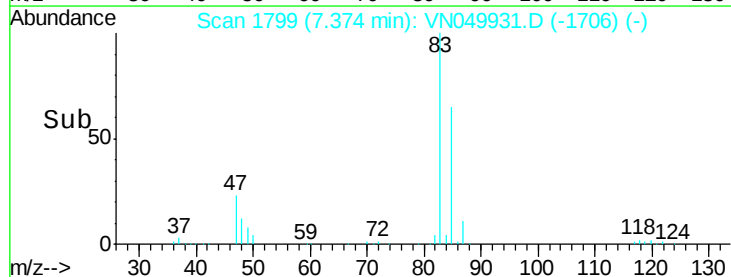
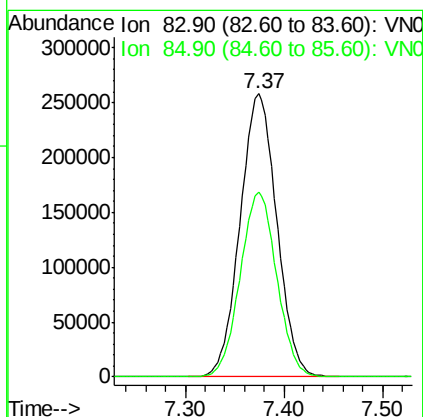
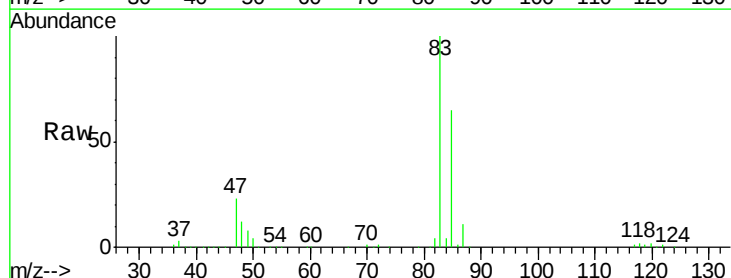
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

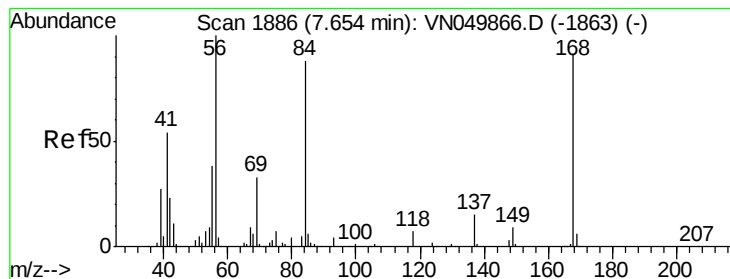
Tot Ion: 42 Resp: 499550
Ion Ratio Lower Upper
42 100
72 45.2 35.6 53.4
71 42.5 34.0 51.0



#30
Chloroform
Concen: 49.04 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 83 Resp: 664582
Ion Ratio Lower Upper
83 100
85 65.1 51.4 77.2





#31

Cyclohexane

Concen: 48.00 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

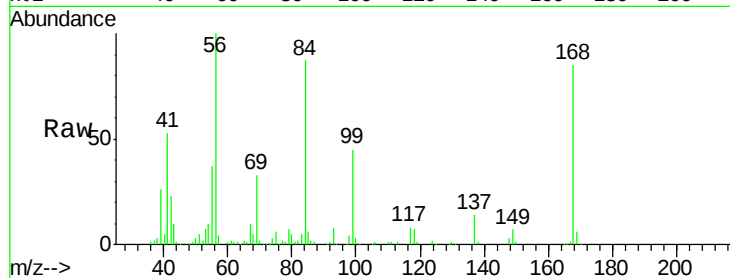
Tot Ion: 56 Resp: 515667

Ion Ratio Lower Upper

56 100

69 32.6 26.6 40.0

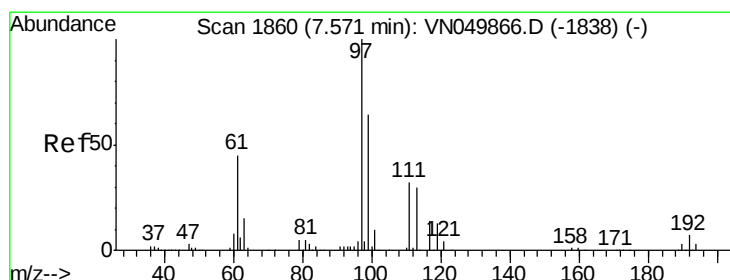
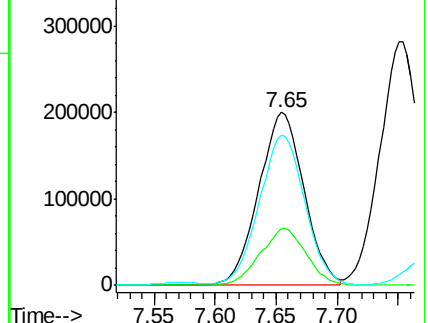
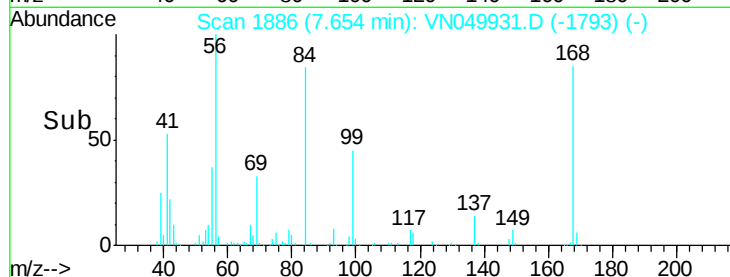
84 85.0 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VN049931.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049931.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049931.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 48.10 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

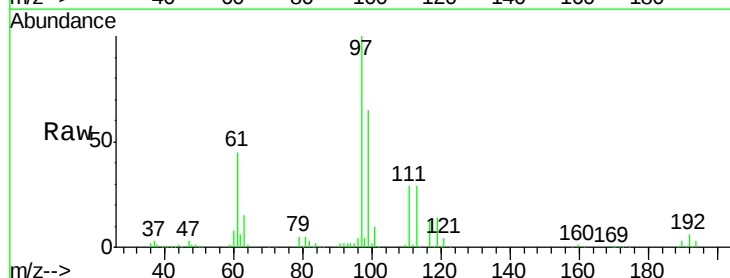
Tgt Ion: 97 Resp: 563381

Ion Ratio Lower Upper

97 100

99 64.5 51.0 76.4

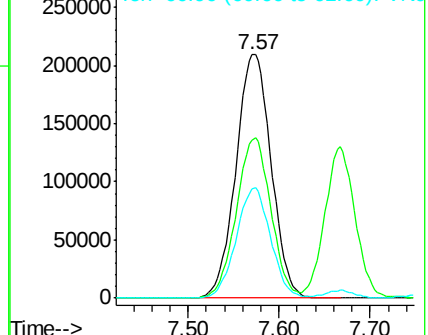
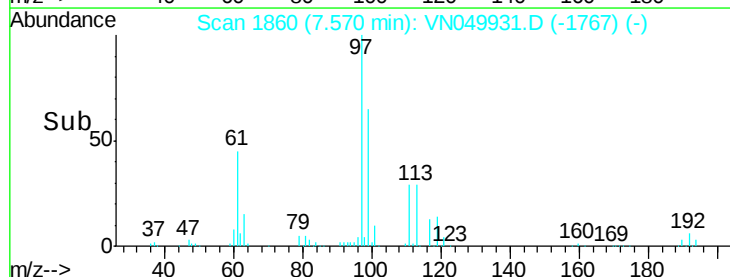
61 44.1 35.5 53.3

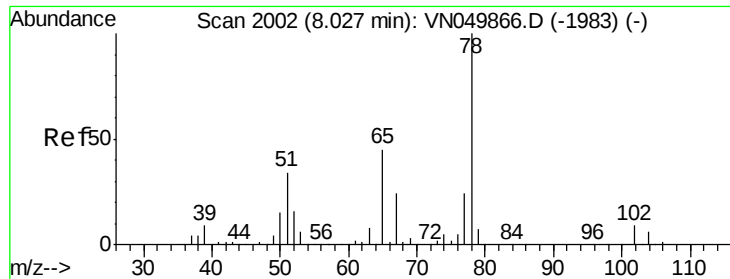


Abundance Ion 96.90 (96.60 to 97.60): VN049931.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN049931.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN049931.D (-1767) (-)

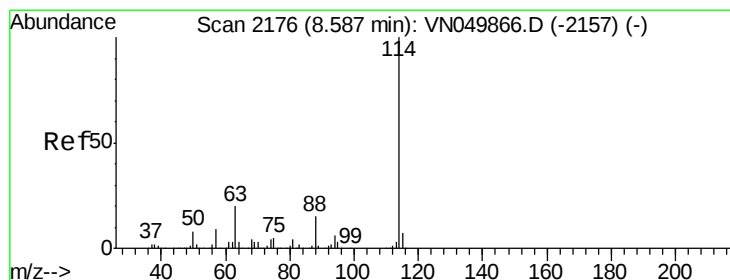
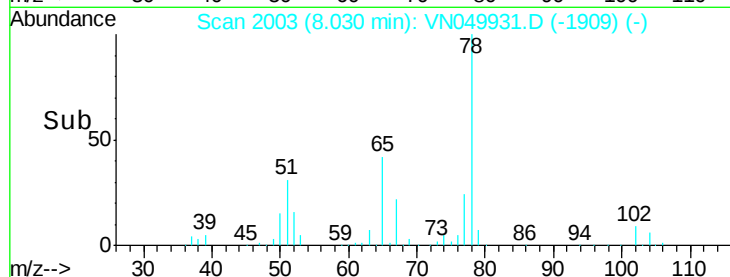
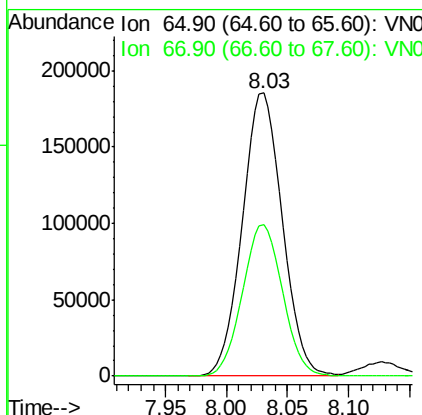
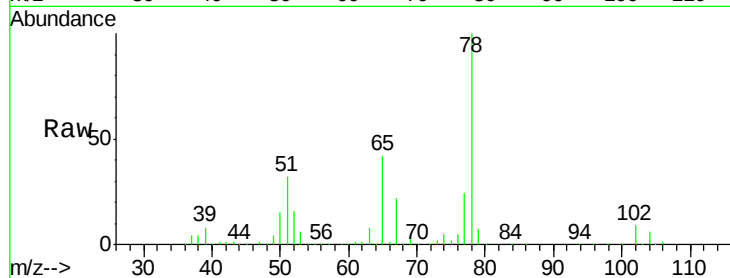




#33
 1,2-Dichloroethane-d4
 Concen: 52.01 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

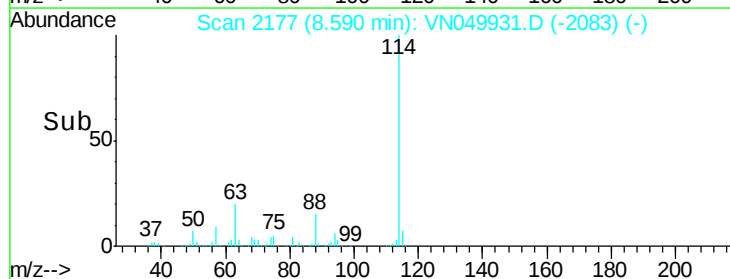
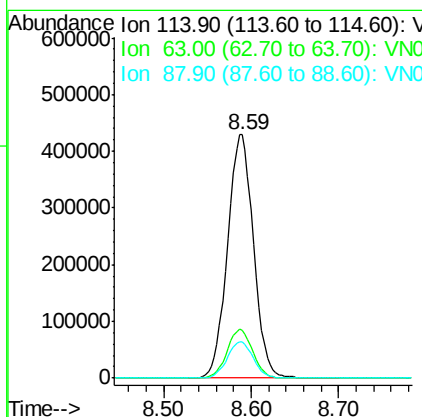
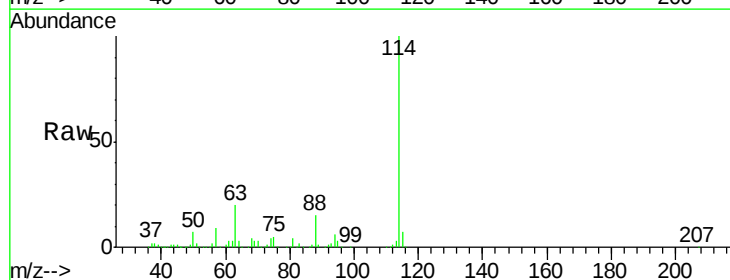
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

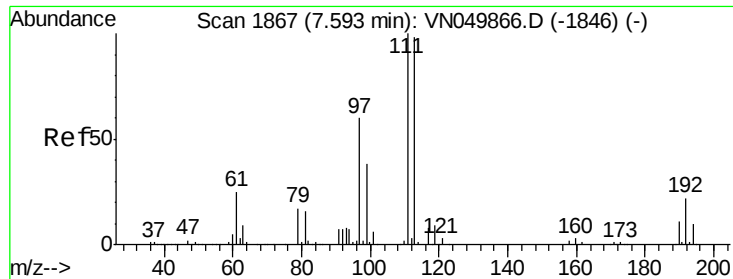
Tot Ion: 65 Resp: 421503
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 114 Resp: 883335
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.1 0.0 30.6

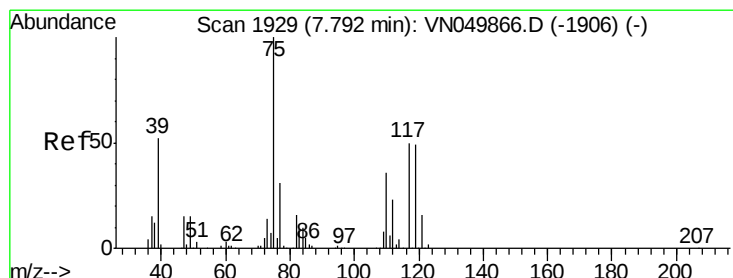
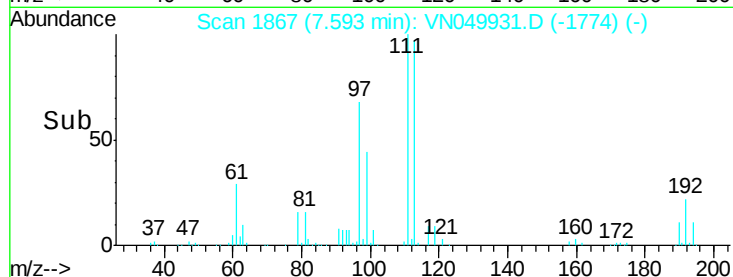
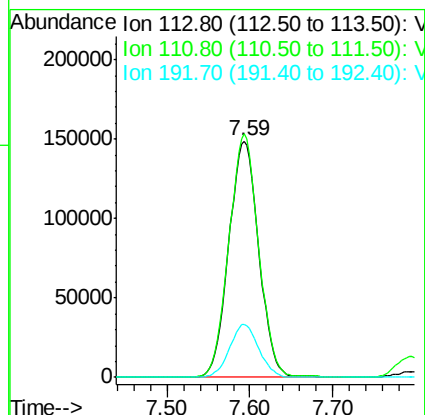
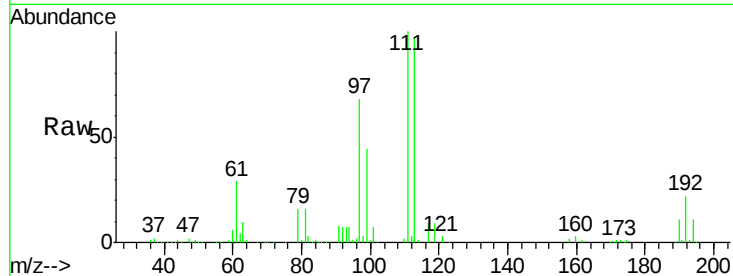




#35
 Dibromofluoromethane
 Concen: 50.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

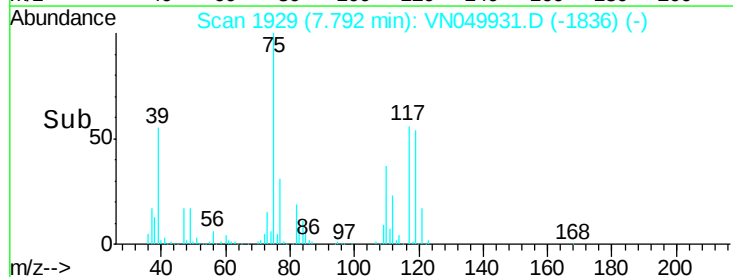
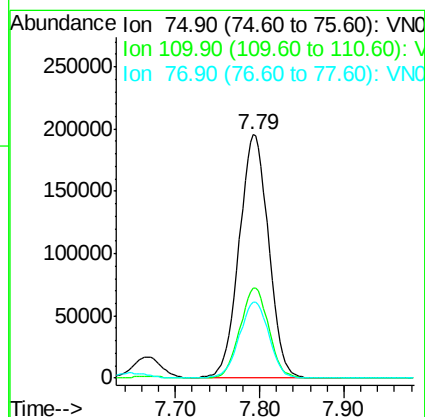
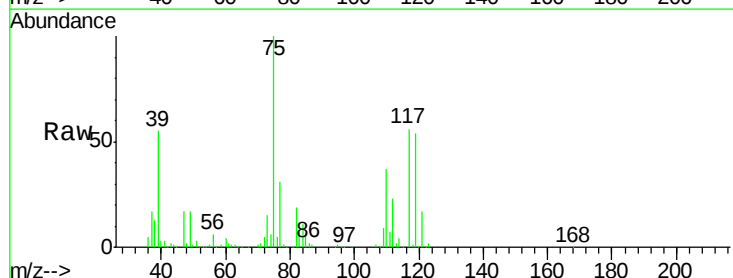
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

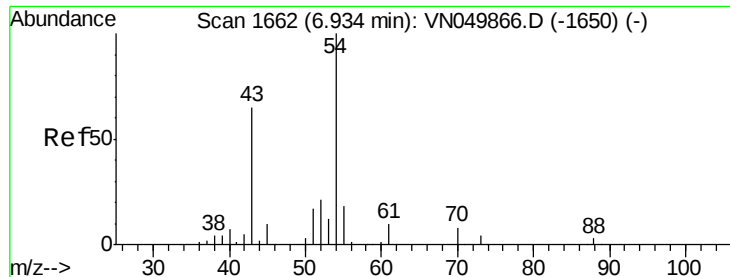
Tot Ion:113 Resp: 374410
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.8 122.8
 192 21.9 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 48.22 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 75 Resp: 473588
 Ion Ratio Lower Upper
 75 100
 110 36.3 18.1 54.4
 77 31.3 24.9 37.3

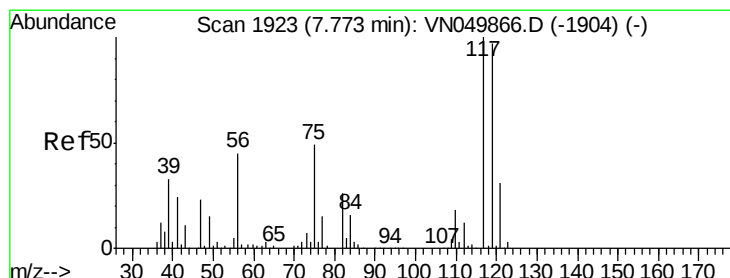
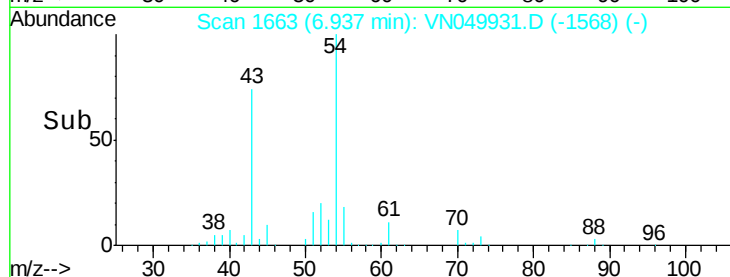
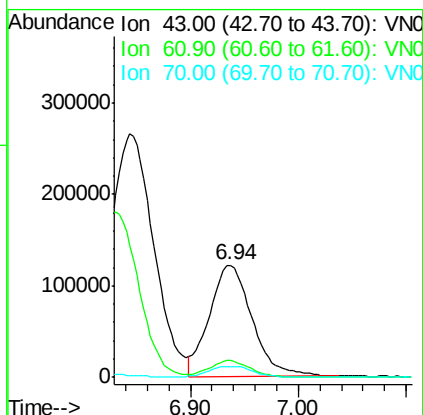
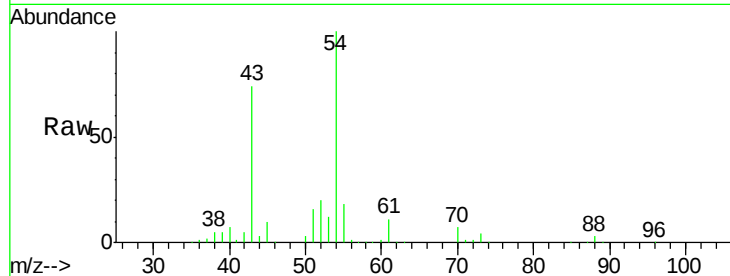




#37
Ethyl Acetate
Concen: 49.50 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

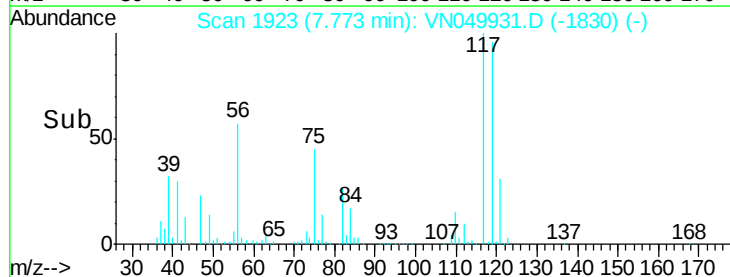
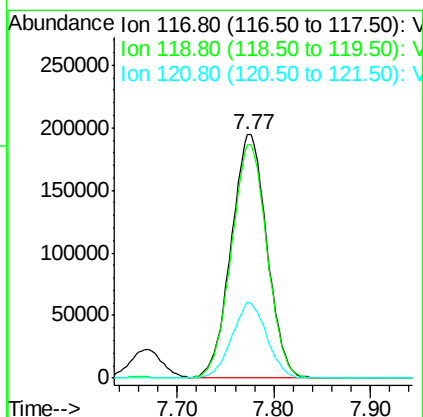
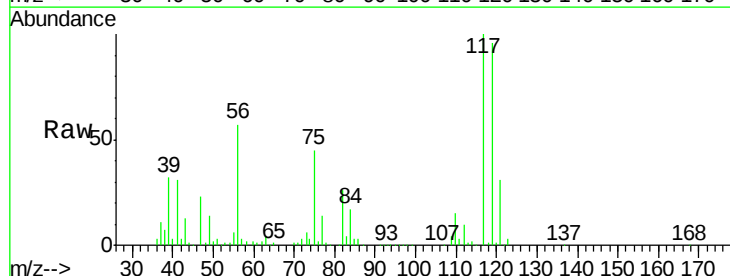
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

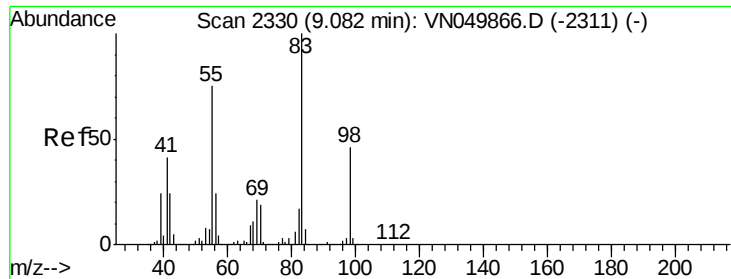
Tot Ion: 43 Resp: 333809
Ion Ratio Lower Upper
43 100
61 14.7 11.7 17.5
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.36 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 117 Resp: 498297
Ion Ratio Lower Upper
117 100
119 96.1 77.2 115.8
121 31.0 25.0 37.6

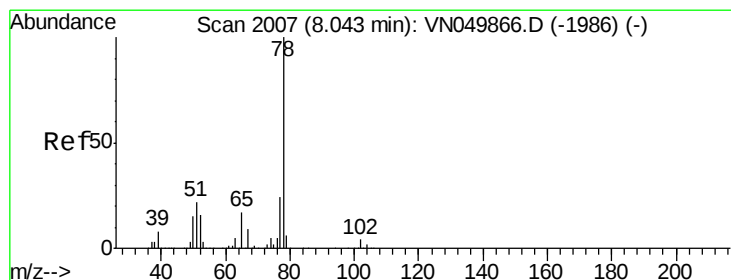
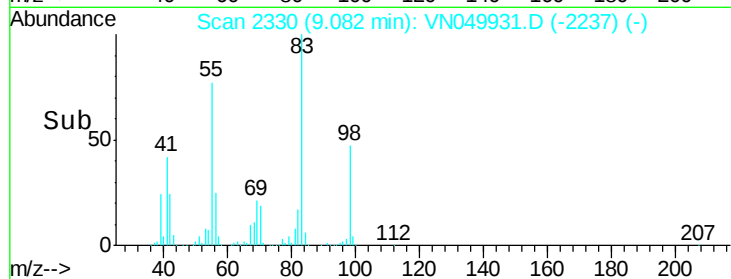
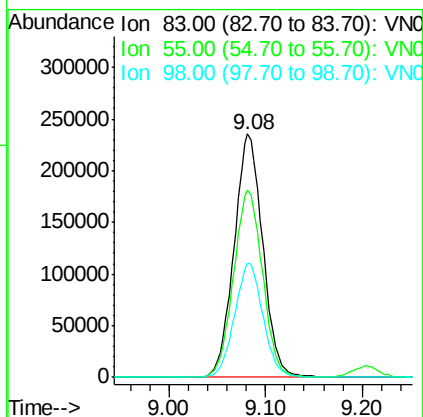
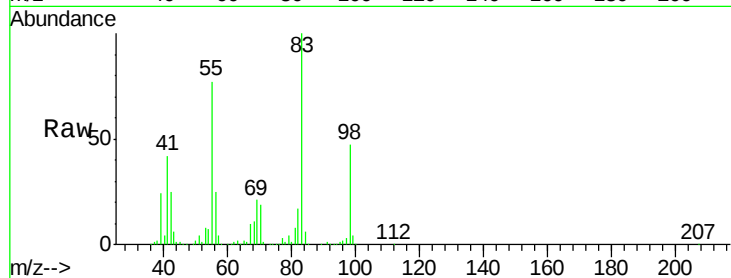




#39
Methvlcvclohexane
Concen: 47.66 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

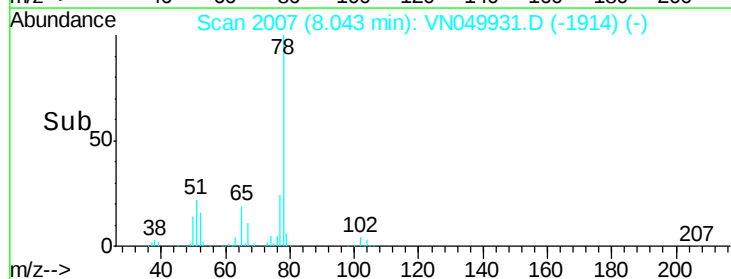
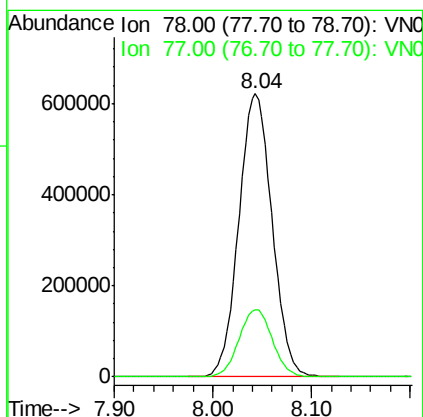
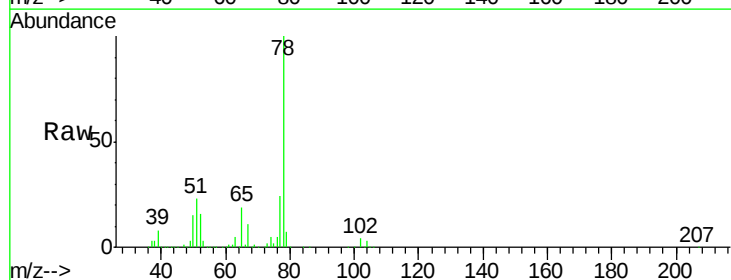
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

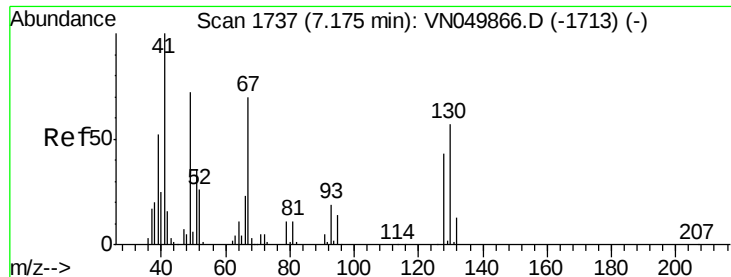
Tot Ion: 83 Resp: 483612
Ion Ratio Lower Upper
83 100
55 77.1 59.7 89.5
98 46.9 36.5 54.7



#40
Benzene
Concen: 48.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 78 Resp: 1449619
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

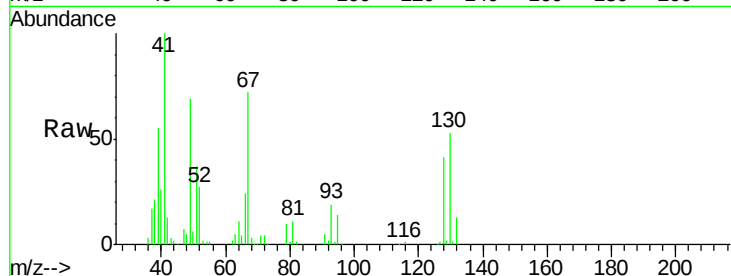




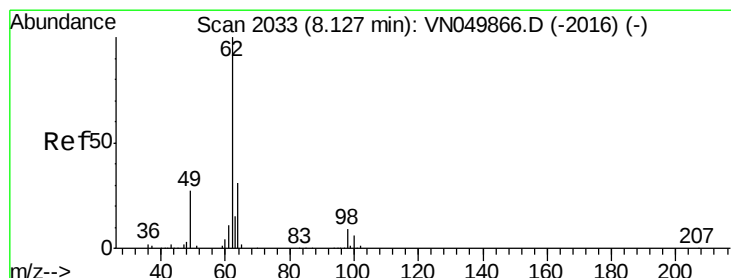
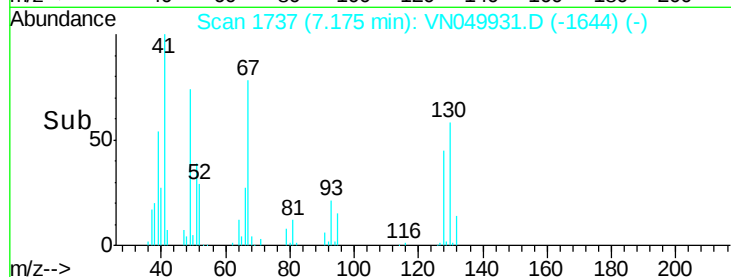
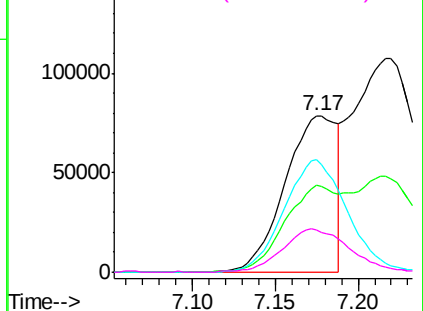
#41
Methacrylonitrile
Concen: 50.18 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	169657
Ion	Ratio	Lower	Upper
41	100		
39	55.4	45.4	68.2
67	89.4	65.4	98.0
52	35.3	24.7	37.1

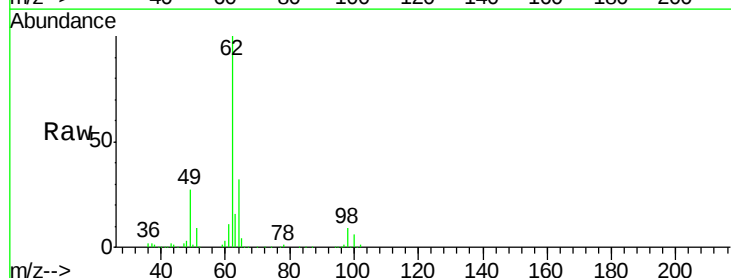


Abundance Ion 41.00 (40.70 to 41.70): VN049931.D (-1644) (-)
Ion 39.00 (38.70 to 39.70): VN049931.D (-1644) (-)
Ion 67.00 (66.70 to 67.70): VN049931.D (-1644) (-)
Ion 52.00 (51.70 to 52.70): VN049931.D (-1644) (-)

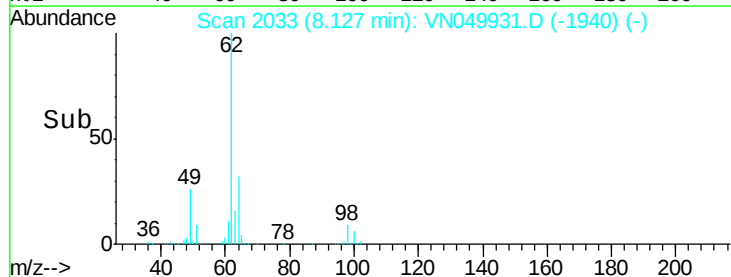
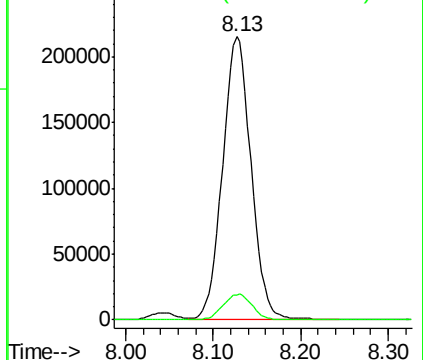


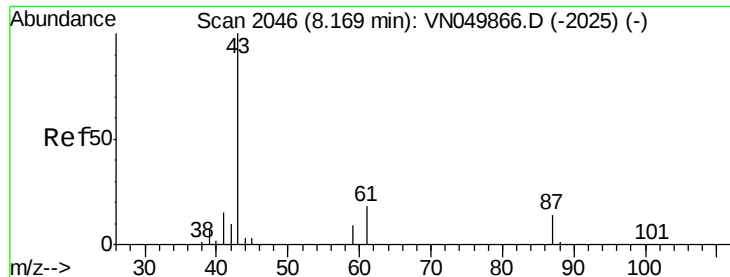
#42
1,2-Dichloroethane
Concen: 48.76 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:	62	Resp:	483493
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN049931.D (-1940) (-)
Ion 97.90 (97.60 to 98.60): VN049931.D (-1940) (-)





#43

Isopropyl Acetate

Concen: 55.96 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

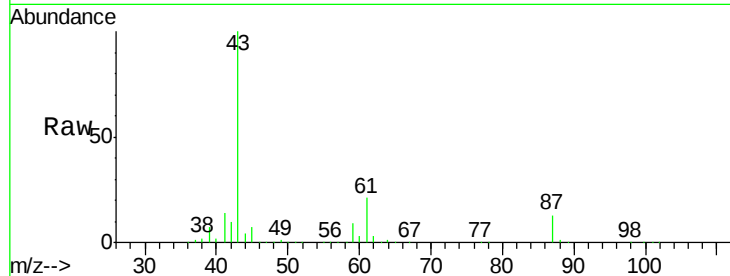
Tot Ion: 43 Resp: 659336

Ion Ratio Lower Upper

43 100

61 18.0 14.9 22.3

87 12.1 10.0 15.0

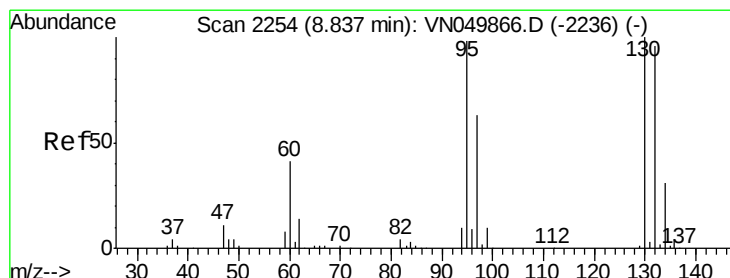
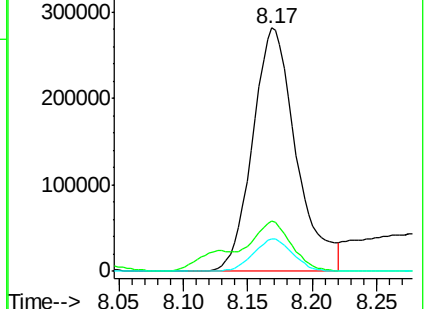
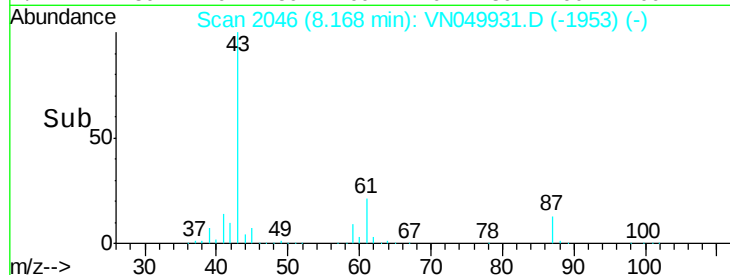


Abundance Ion 43.00 (42.70 to 43.70): VN049866.D (-2025) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 47.69 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN049931.D

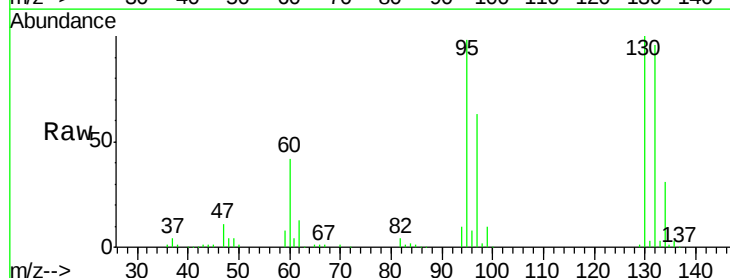
Acq: 19 Jul 2018 22:03

Tgt Ion: 130 Resp: 374325

Ion Ratio Lower Upper

130 100

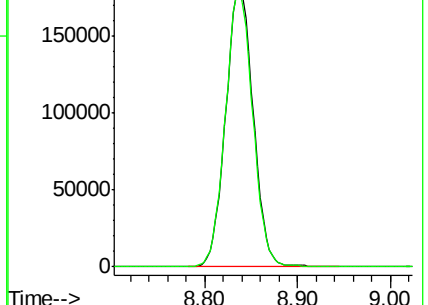
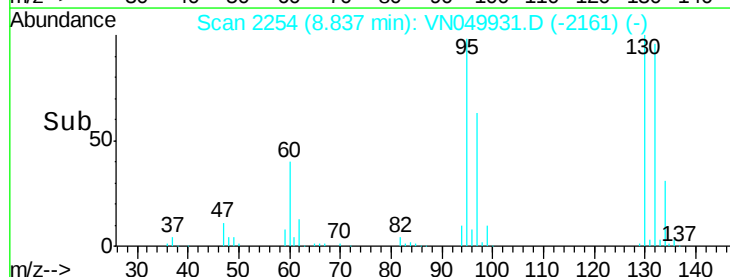
95 97.6 0.0 192.8

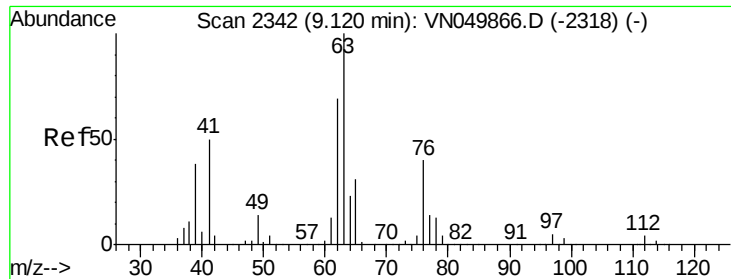


Abundance Ion 129.80 (129.50 to 130.50): VN049866.D (-2236) (-)

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

Time-->

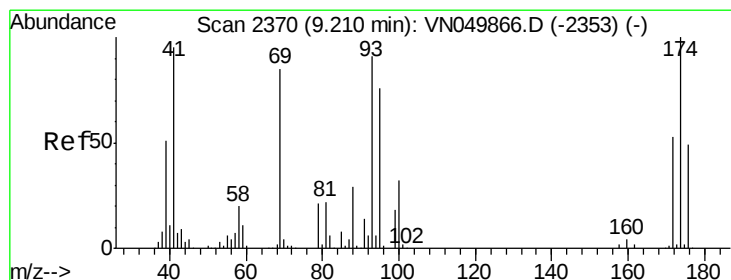
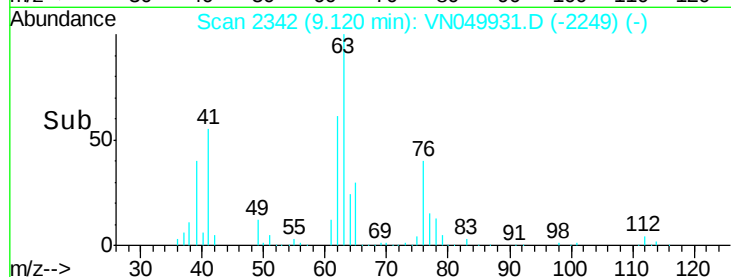
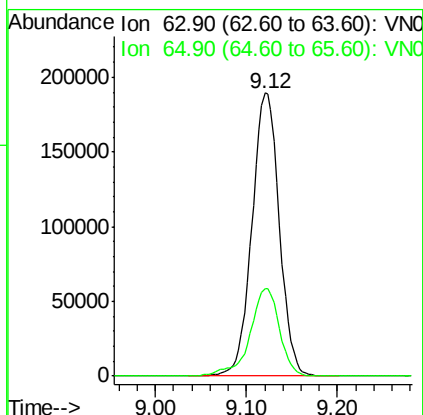
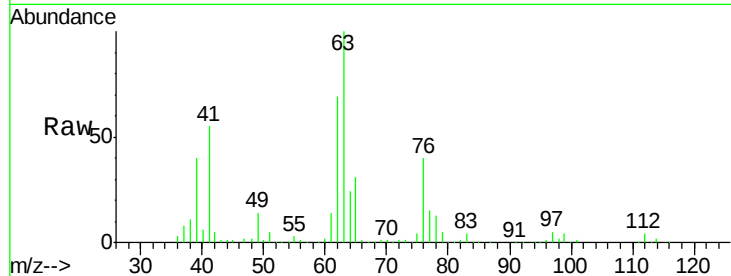




#45
 1,2-Dichloropropane
 Concen: 48.91 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

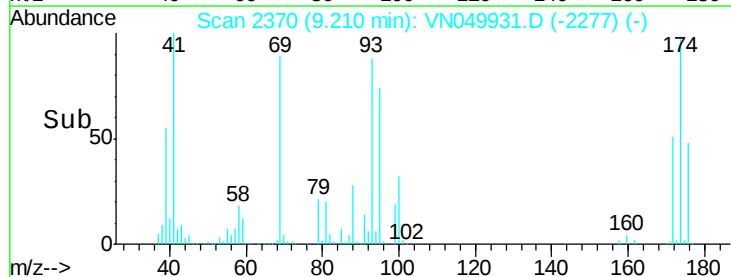
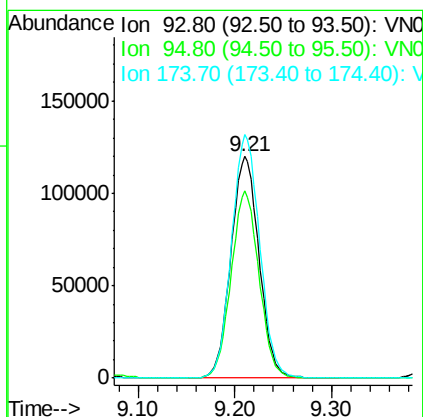
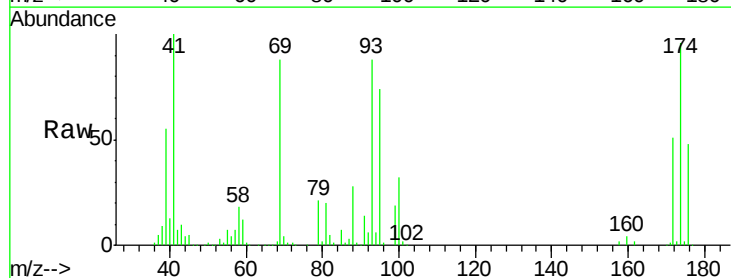
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

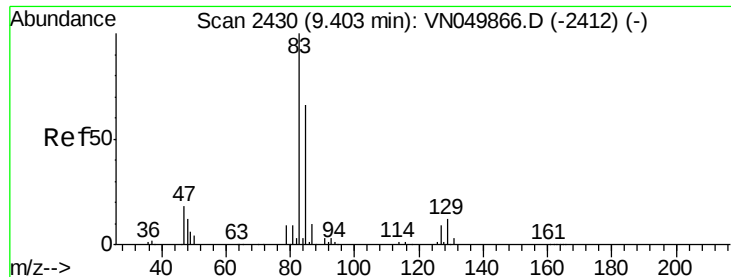
Tot Ion: 63 Resp: 394957
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1



#46
 Dibromomethane
 Concen: 48.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 93 Resp: 243381
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.9 101.9
 174 109.4 89.4 134.0

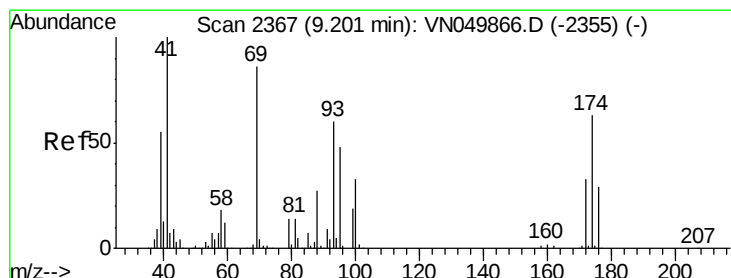
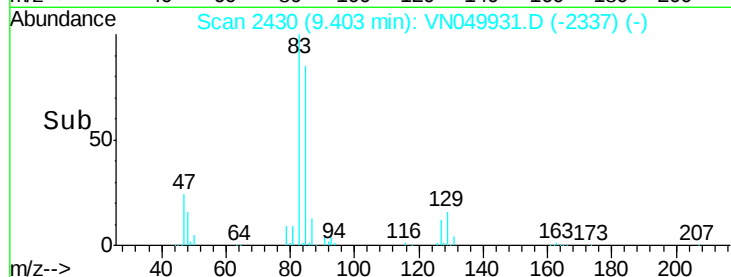
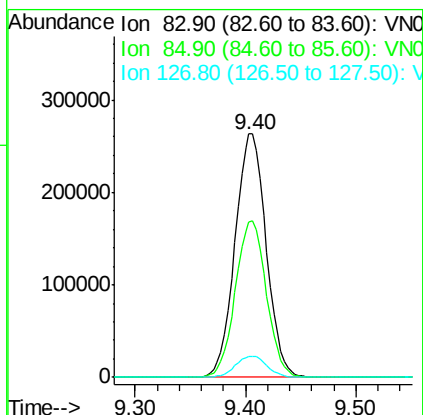
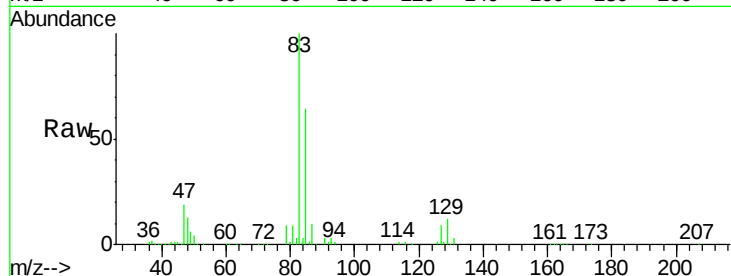




#47
Bromodichloromethane
Concen: 49.64 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

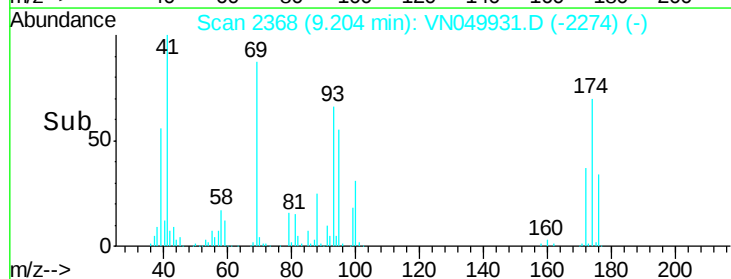
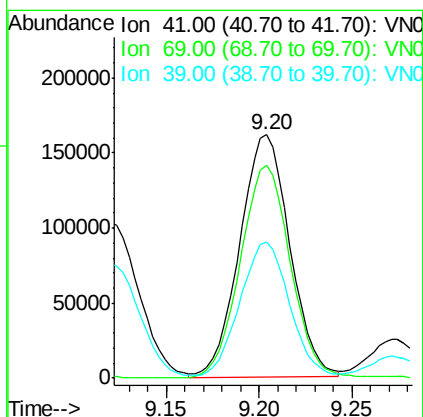
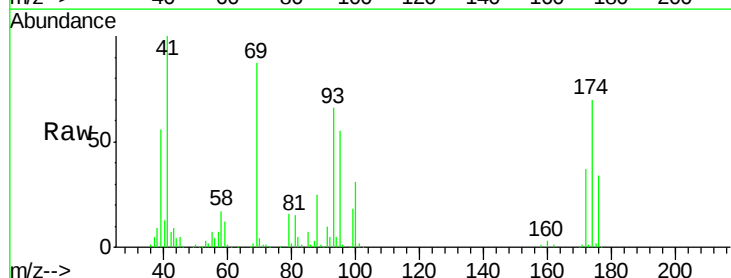
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

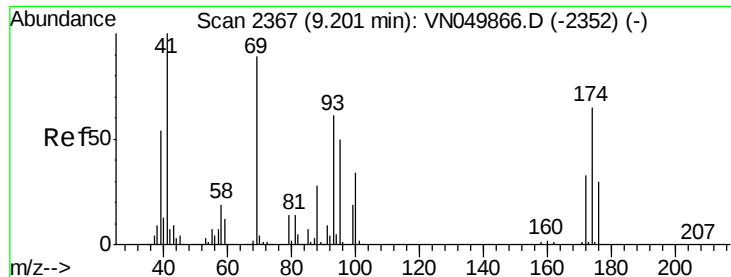
Tot Ion: 83 Resp: 514152
Ion Ratio Lower Upper
83 100
85 63.7 50.5 75.7
127 8.7 6.8 10.2



#48
Methyl methacrylate
Concen: 51.58 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 41 Resp: 304845
Ion Ratio Lower Upper
41 100
69 87.9 71.5 107.3
39 55.7 44.7 67.1

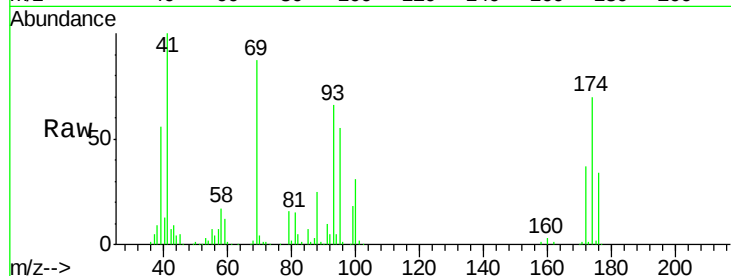




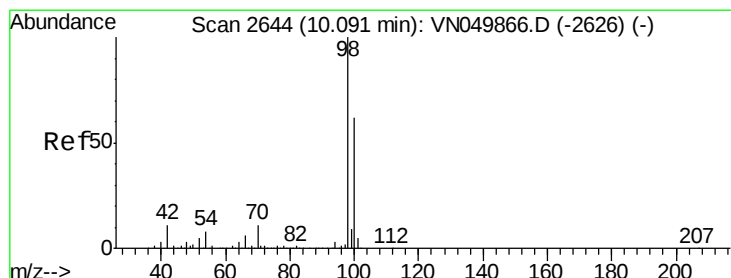
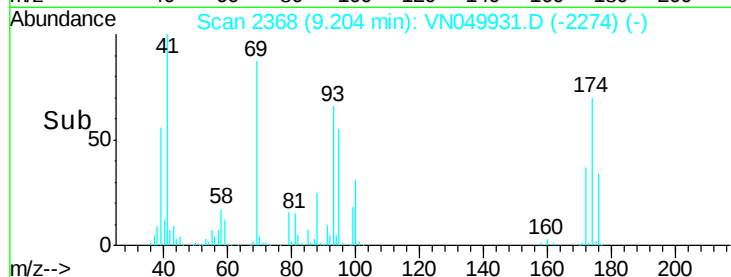
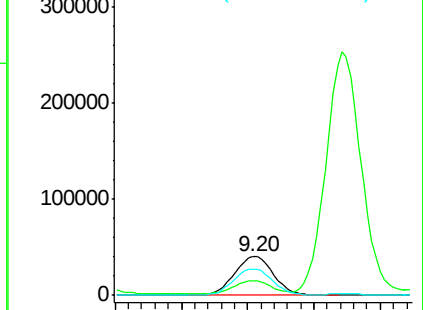
#49
1,4-Dioxane
Concen: 995.96 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 83508
Ion Ratio Lower Upper
88 100
43 33.1 25.1 37.7
58 68.5 52.5 78.7

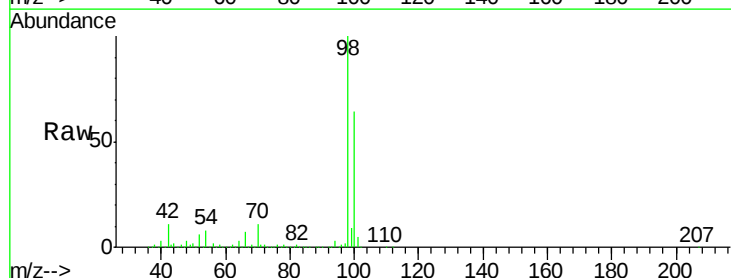


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

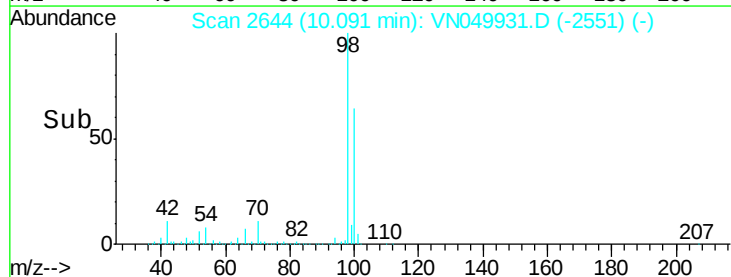
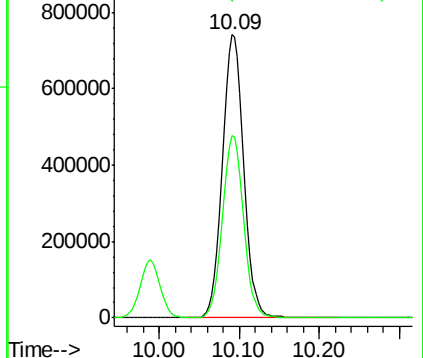


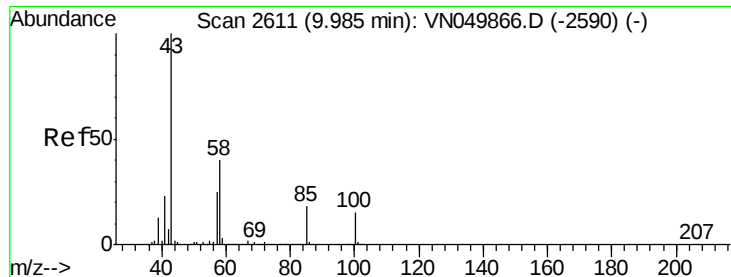
#50
Toluene-d8
Concen: 50.71 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 98 Resp: 1370042
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



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

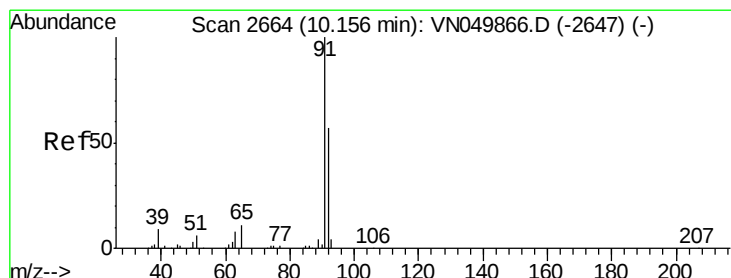
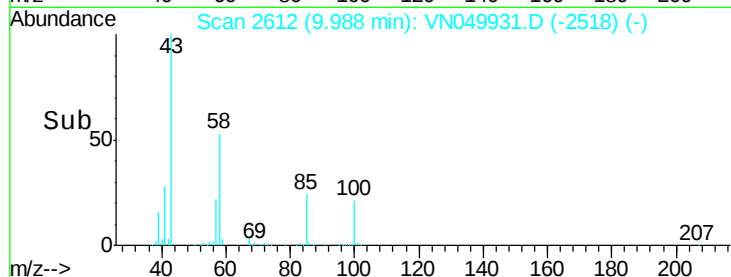
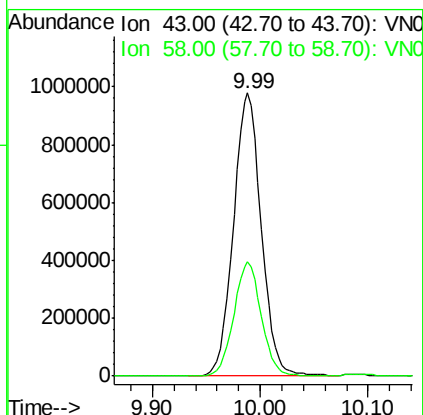
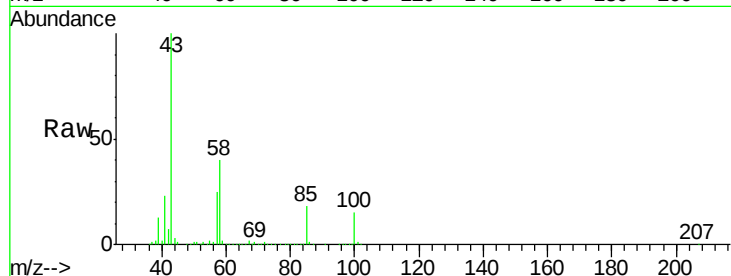




#51
 4-Methyl-2-Pentanone
 Concen: 266.14 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

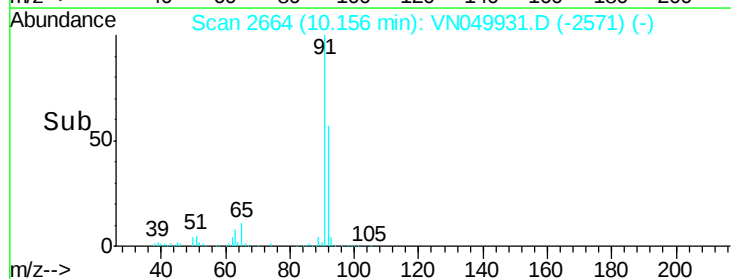
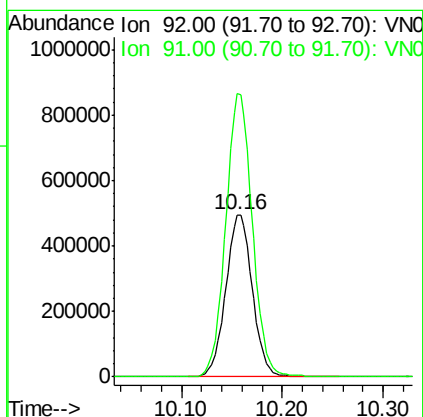
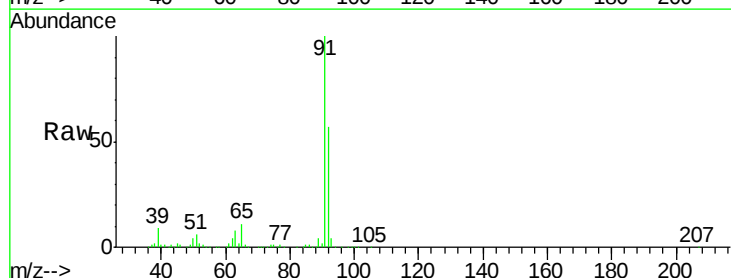
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

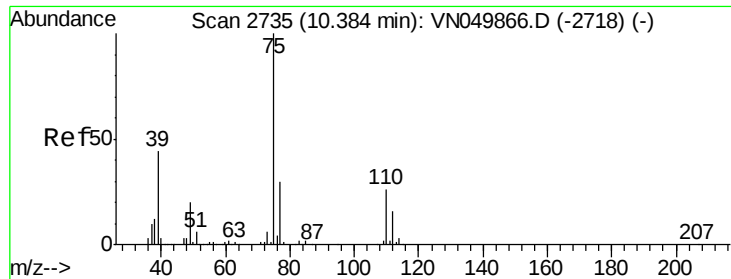
Tot Ion: 43 Resp: 1752988
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.8



#52
 Toluene
 Concen: 50.94 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 92 Resp: 909592
 Ion Ratio Lower Upper
 92 100
 91 175.2 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 49.52 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

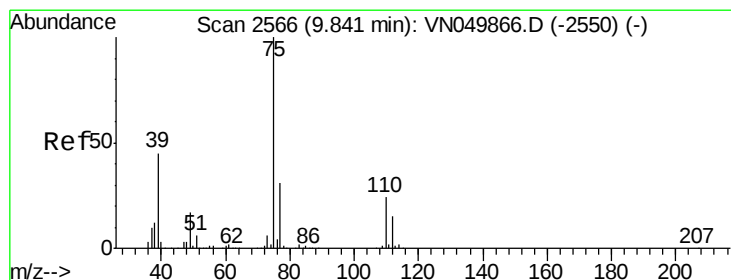
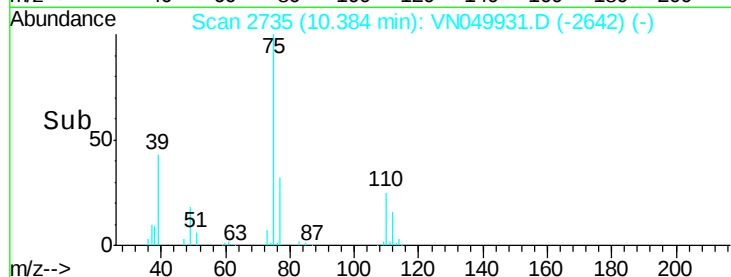
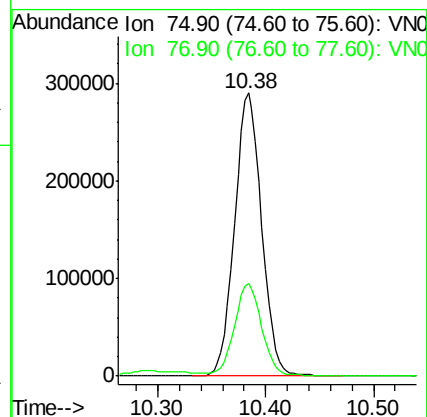
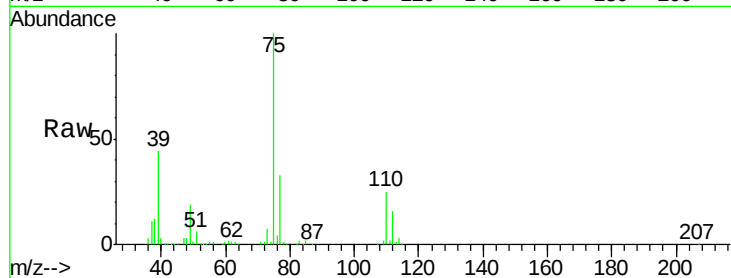
VSTDCCC050

Tot Ion: 75 Resp: 507196

Ion Ratio Lower Upper

75 100

77 32.3 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 50.29 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

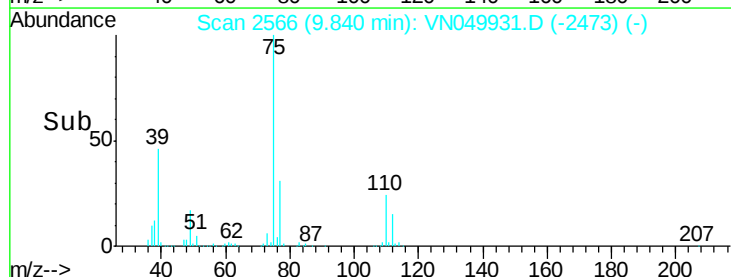
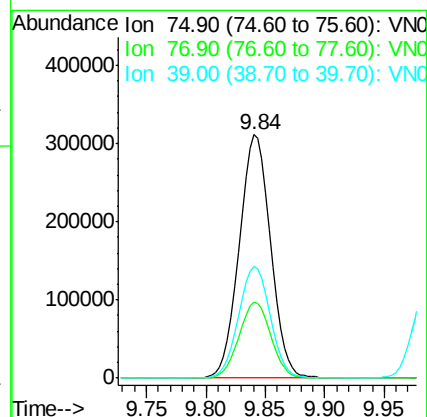
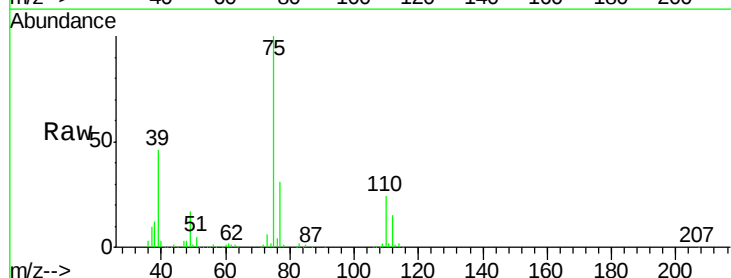
Tgt Ion: 75 Resp: 569202

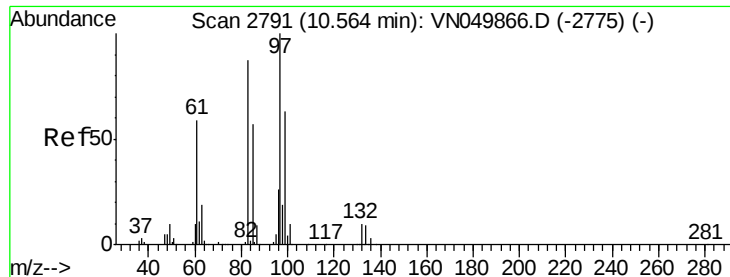
Ion Ratio Lower Upper

75 100

77 31.2 25.3 37.9

39 45.8 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 48.11 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

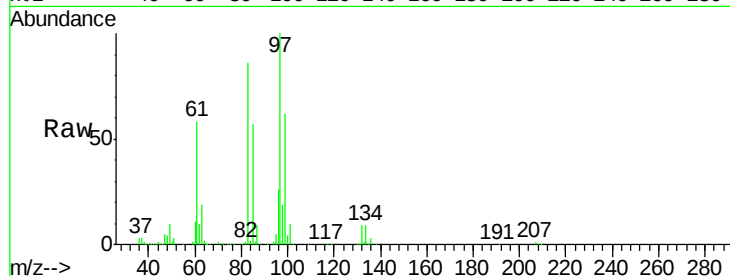
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 354871

Ion	Ratio	Lower	Upper
97	100		
83	86.3	69.0	103.6
85	56.6	44.9	67.3
99	61.9	49.8	74.6

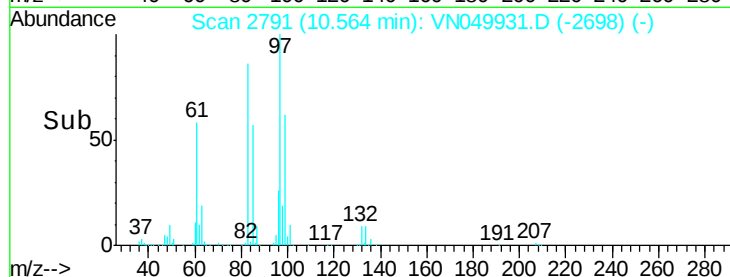


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



Time-->

10.56

200000

150000

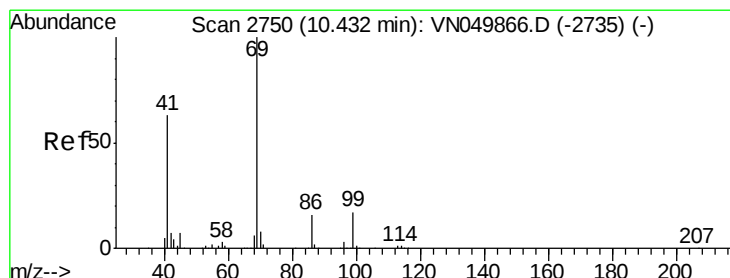
100000

50000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 46.73 ug/l

RT: 10.43 min Scan# 2750

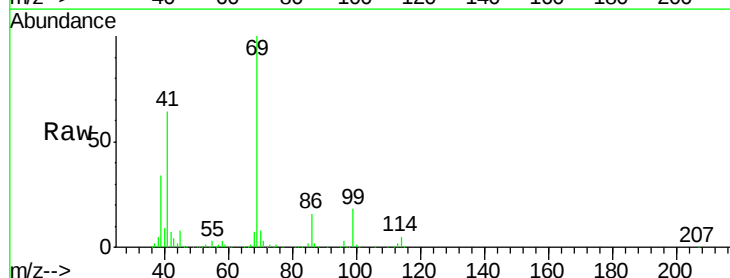
Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion: 69 Resp: 461472

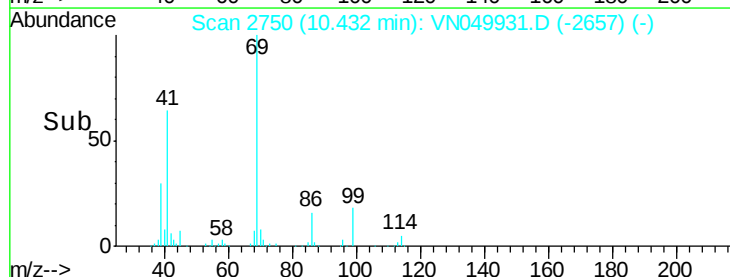
Ion	Ratio	Lower	Upper
69	100		
41	64.1	51.6	77.4
39	33.8	25.8	38.8



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



Time-->

10.43

300000

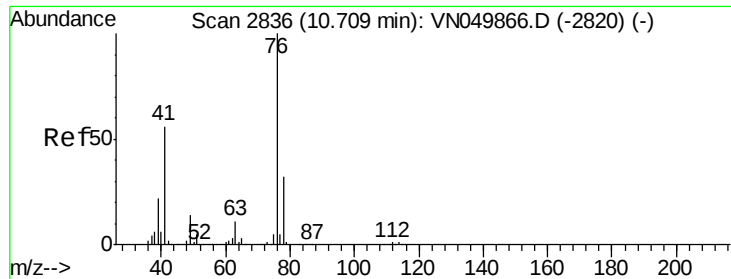
200000

100000

0

10.40 10.45 10.50

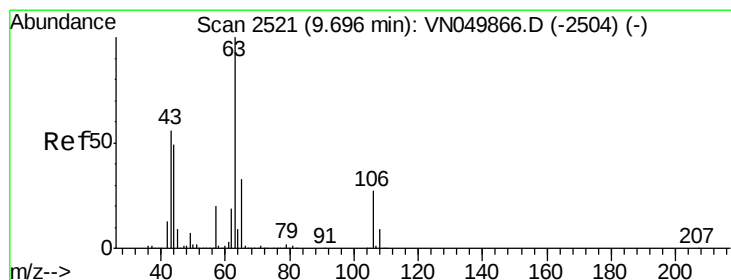
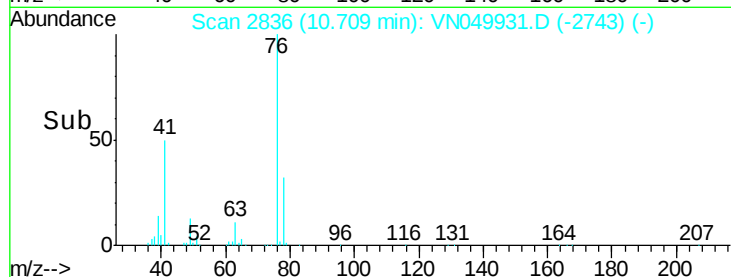
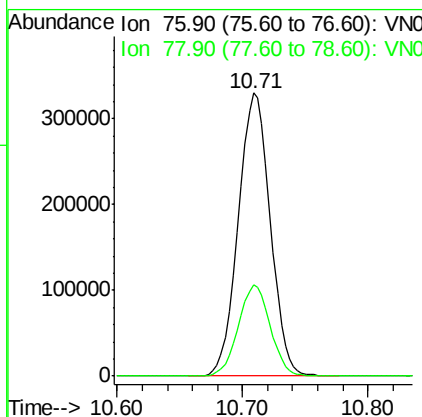
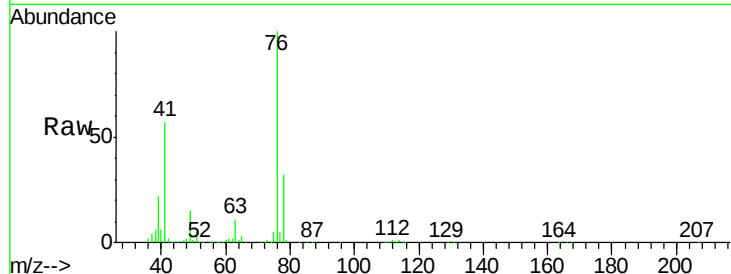
Time-->



#57
 1,3-Dichloropropane
 Concen: 50.39 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

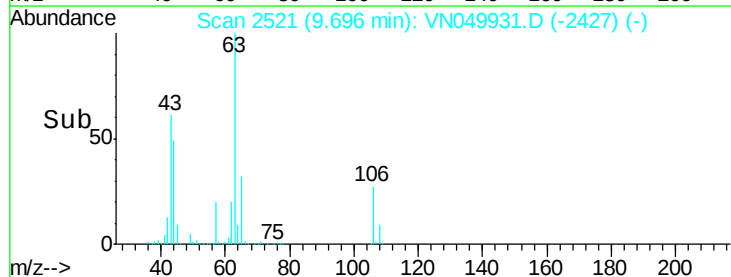
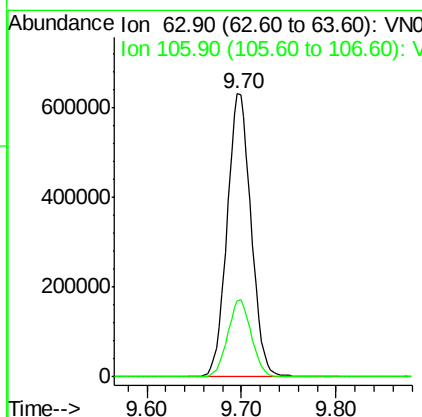
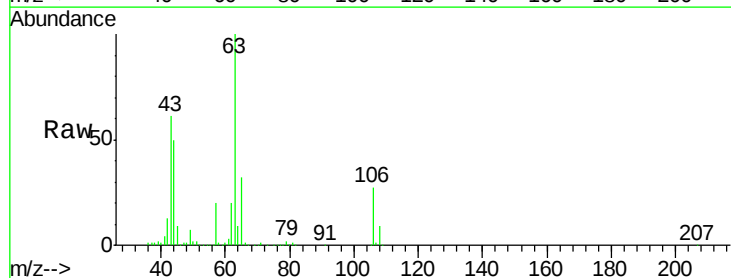
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

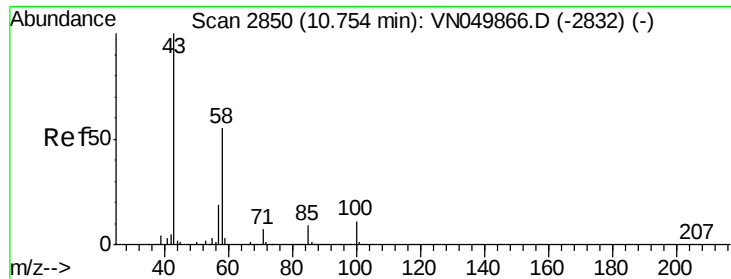
Tot Ion: 76 Resp: 585402
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.46 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 63 Resp: 1108474
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.8 32.8

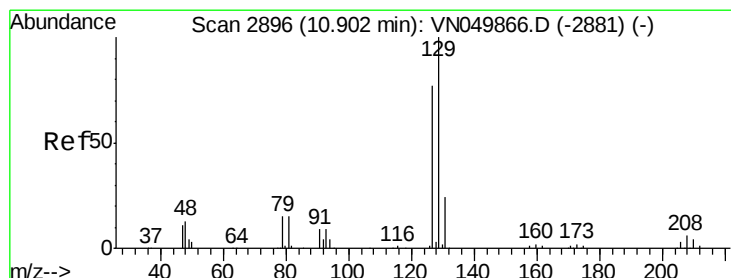
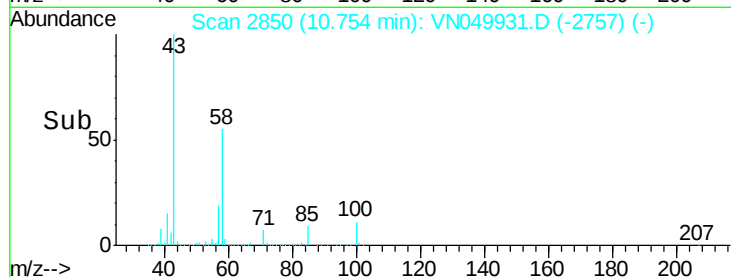
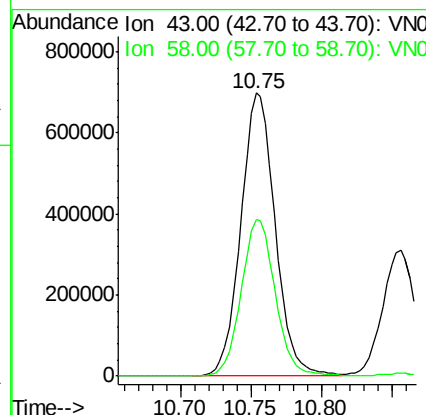
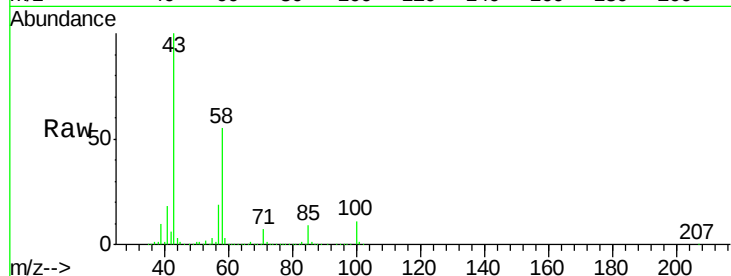




#59
2-Hexanone
Concen: 268.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

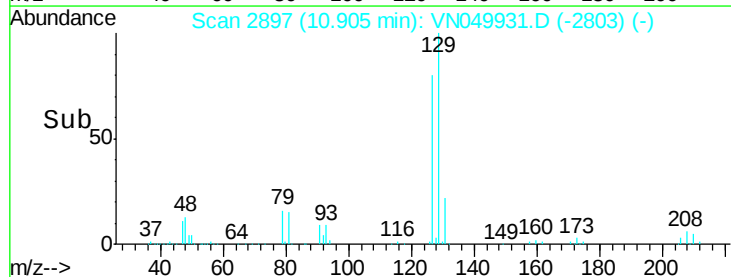
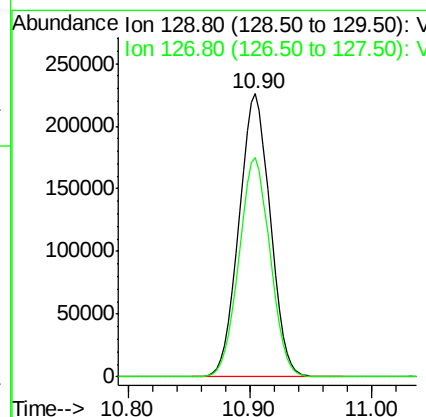
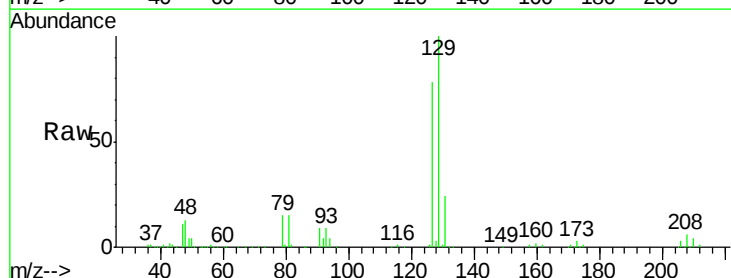
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

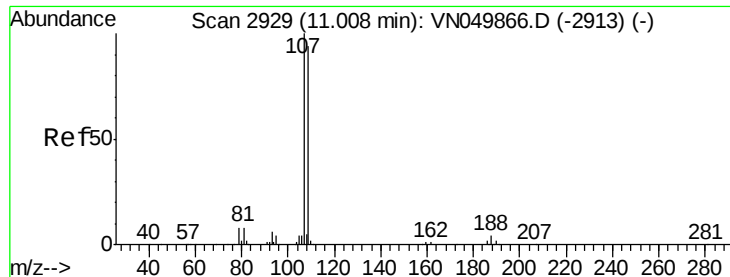
Tot Ion: 43 Resp: 1186834
Ion Ratio Lower Upper
43 100
58 55.3 27.8 83.4



#60
Dibromochloromethane
Concen: 49.46 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 129 Resp: 400068
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

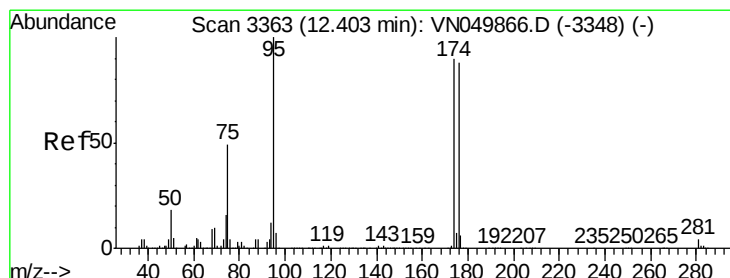
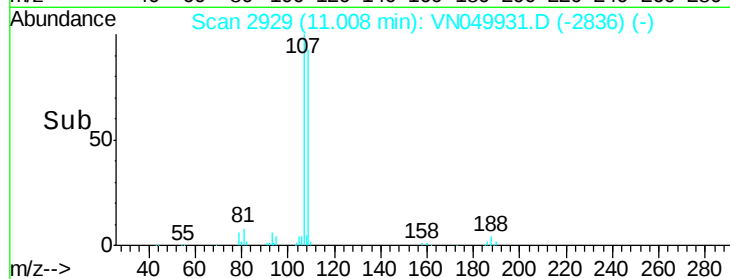
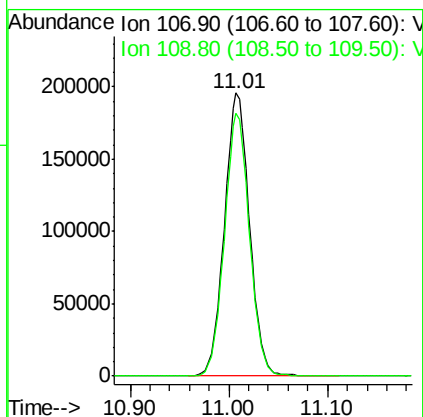
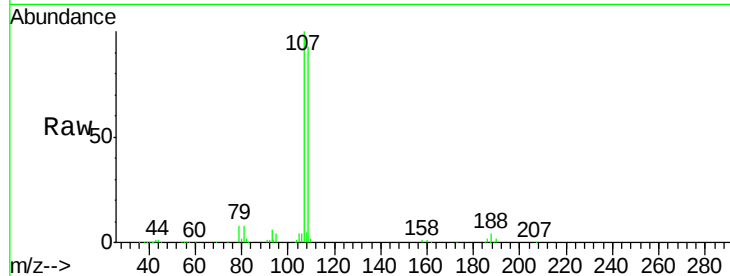




#61
 1,2-Dibromoethane
 Concen: 50.53 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

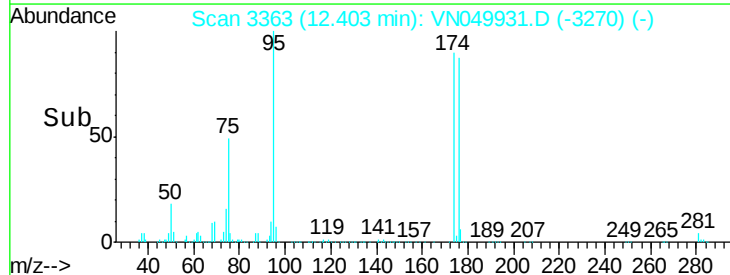
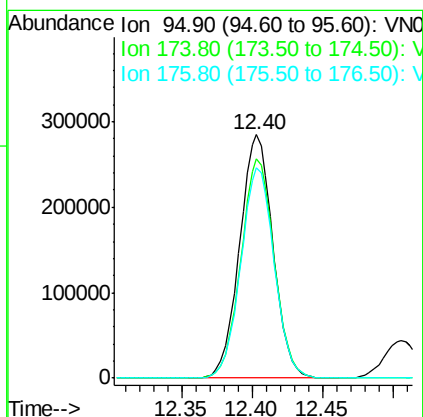
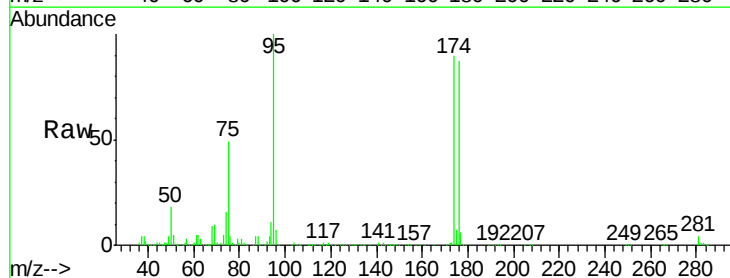
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

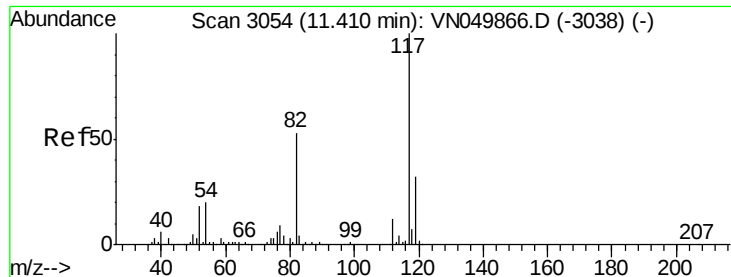
Tot Ion: 107 Resp: 348326
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 50.57 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion: 95 Resp: 470541
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 179.6
 176 86.9 0.0 174.0

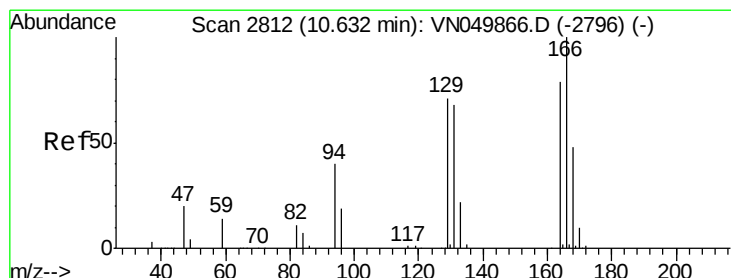
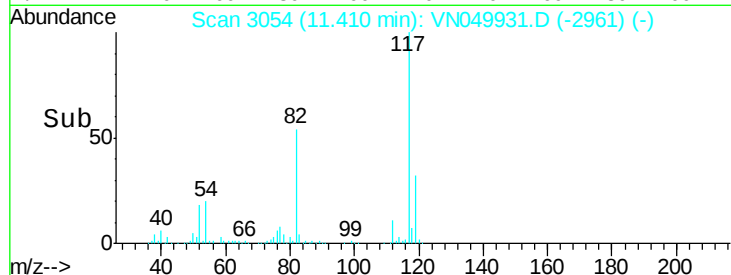
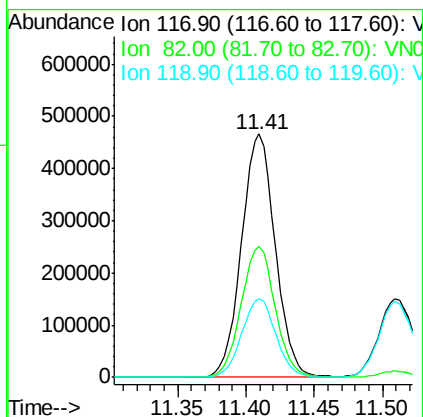
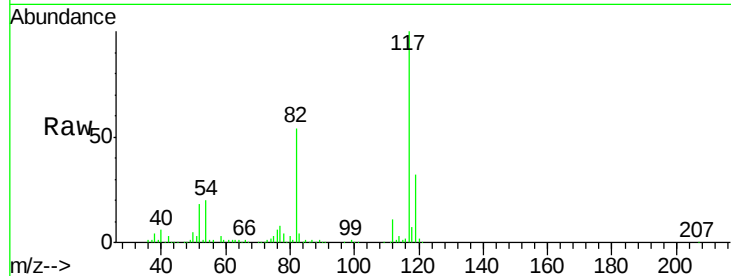




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

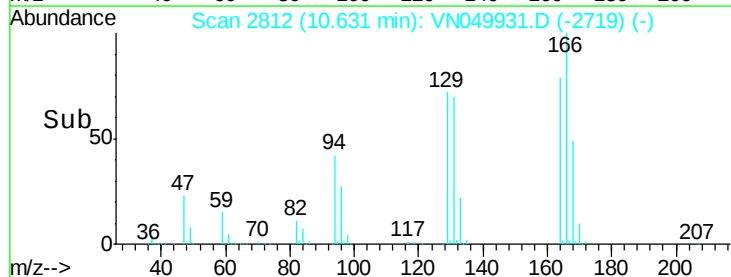
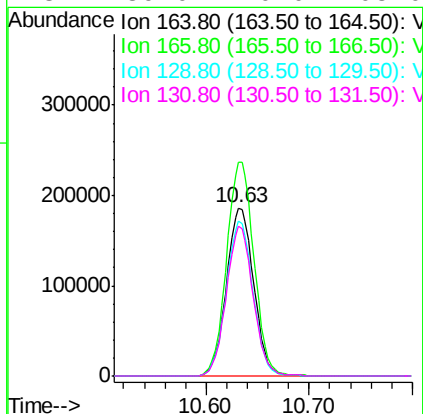
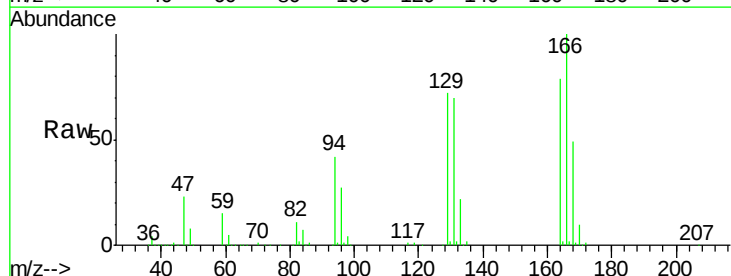
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

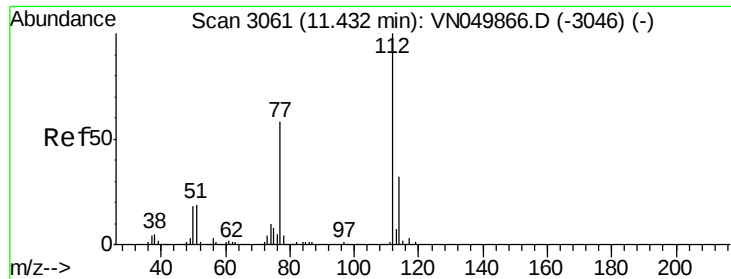
Tot Ion:117 Resp: 802054
Ion Ratio Lower Upper
117 100
82 53.9 41.9 62.9
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 47.53 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:164 Resp: 342563
Ion Ratio Lower Upper
164 100
166 127.2 101.8 152.6
129 92.1 72.8 109.2
131 89.0 70.0 105.0

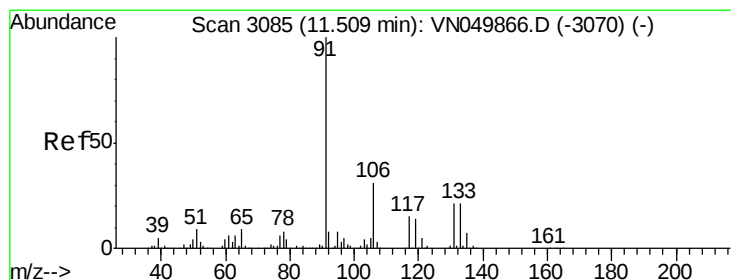
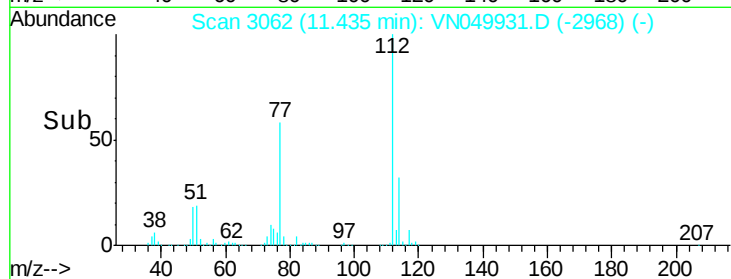
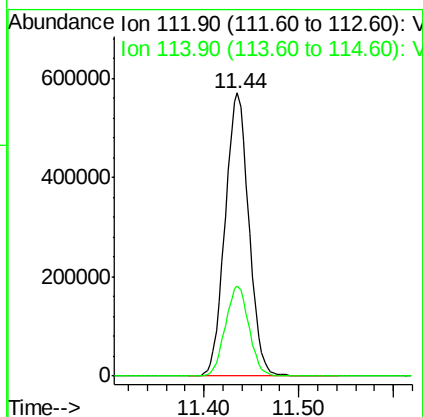
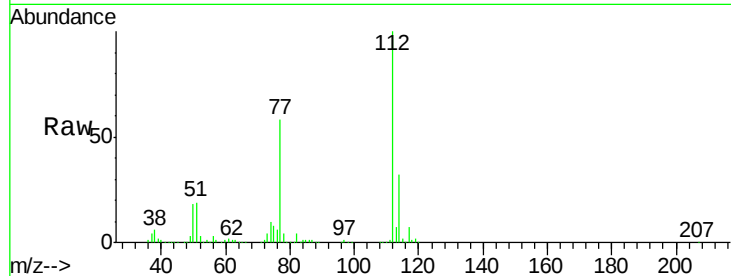




#65
Chlorobenzene
Concen: 49.30 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

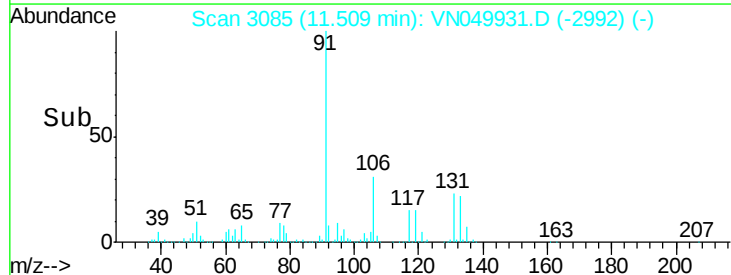
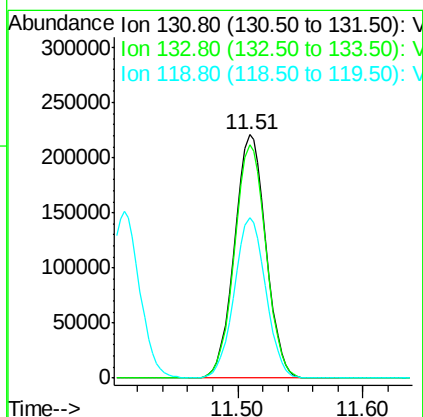
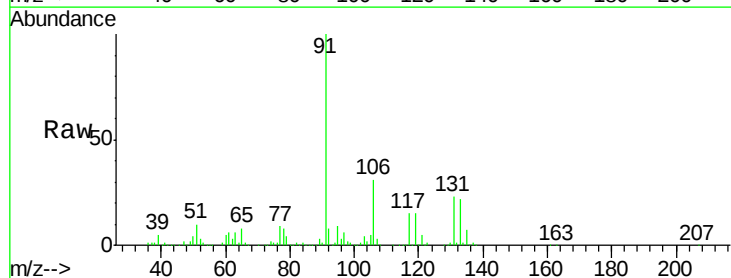
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

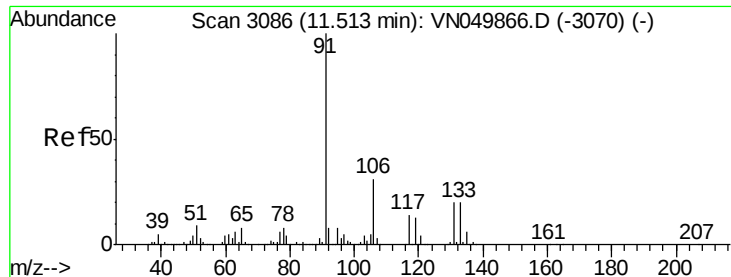
Tot Ion:112 Resp: 993505
Ion Ratio Lower Upper
112 100
114 32.1 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 49.12 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:131 Resp: 383391
Ion Ratio Lower Upper
131 100
133 96.3 47.5 142.6
119 66.0 33.1 99.3

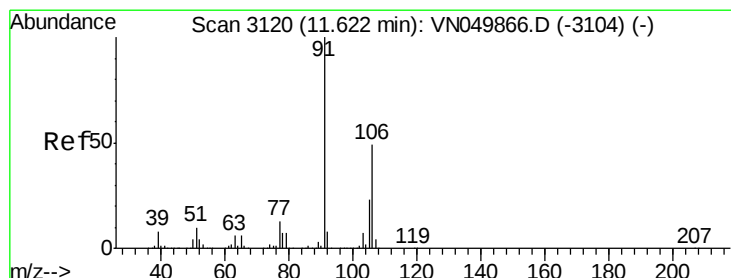
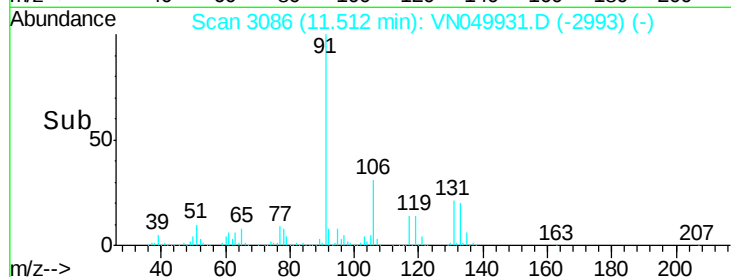
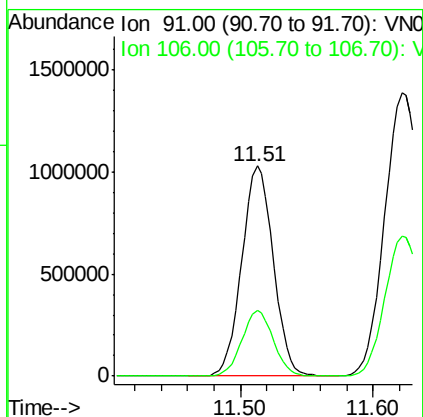
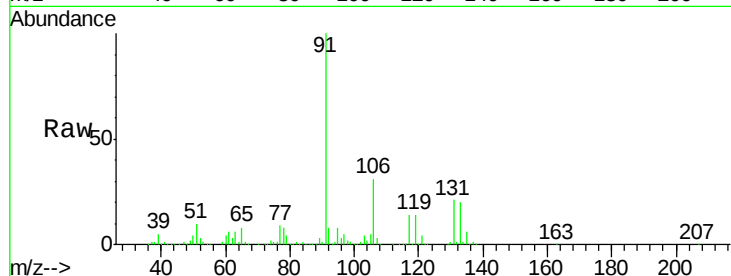




#67
Ethyl Benzene
Concen: 52.11 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

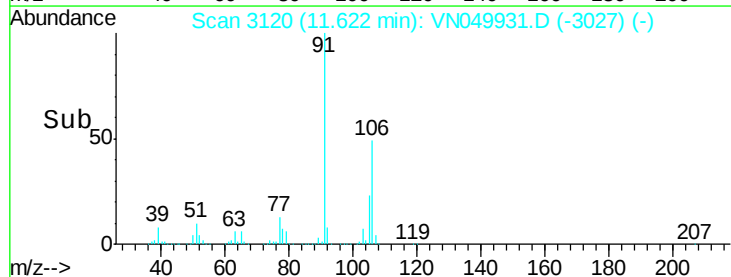
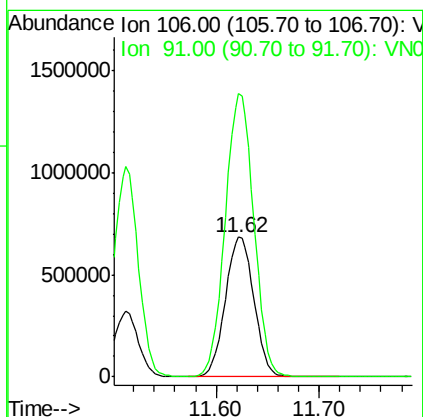
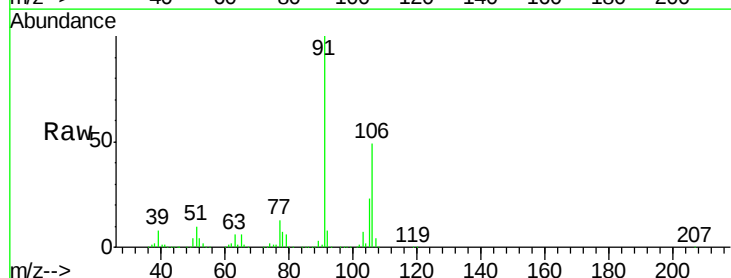
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

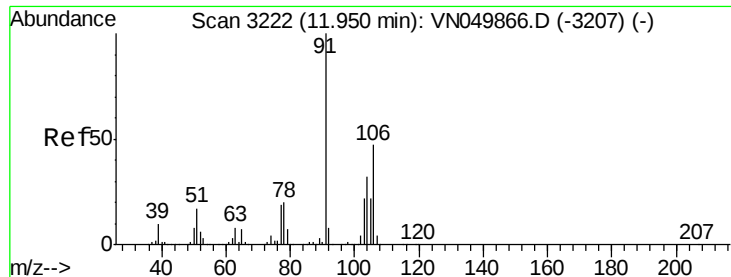
Tot Ion: 91 Resp: 1703622
Ion Ratio Lower Upper
91 100
106 31.3 24.8 37.2



#68
m/p-Xylenes
Concen: 106.45 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 106 Resp: 1317263
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2

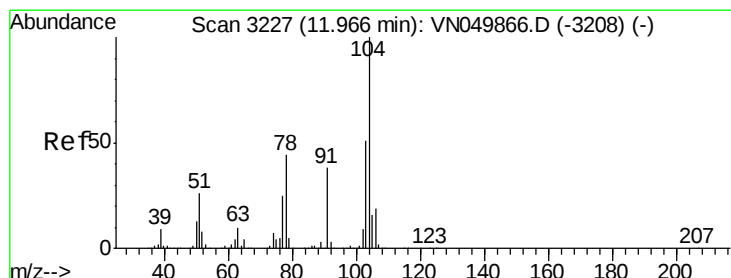
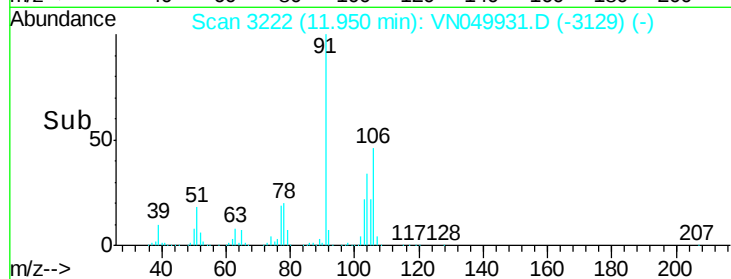
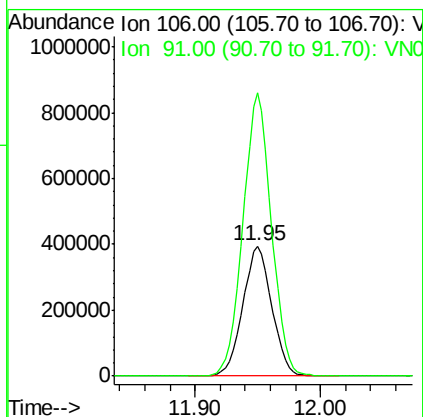
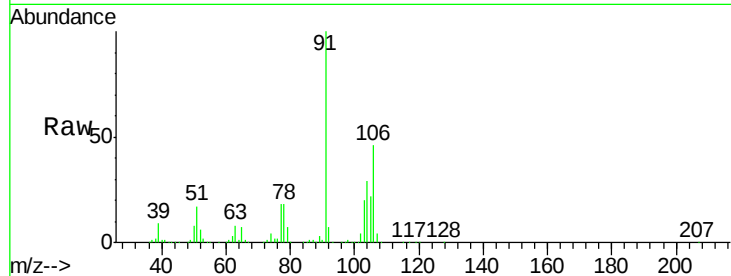




#69
o-Xylene
Concen: 53.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

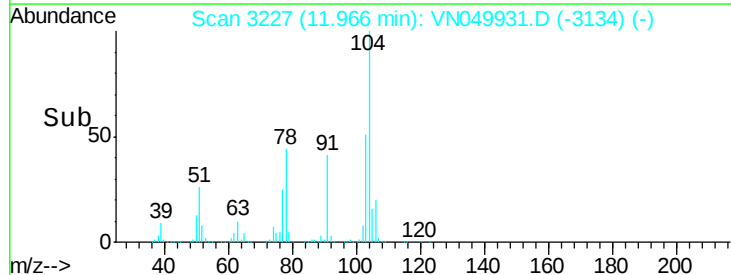
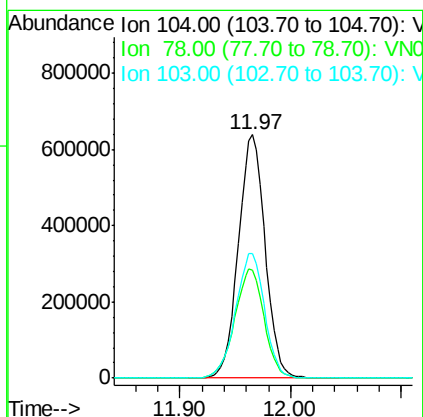
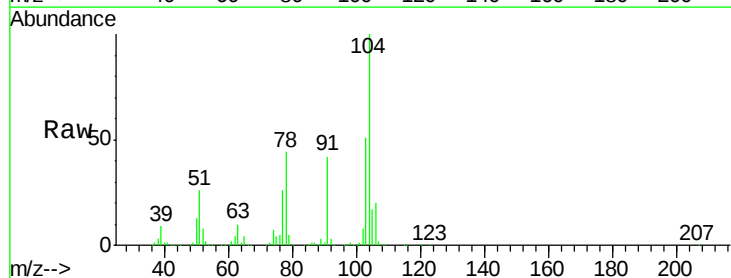
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

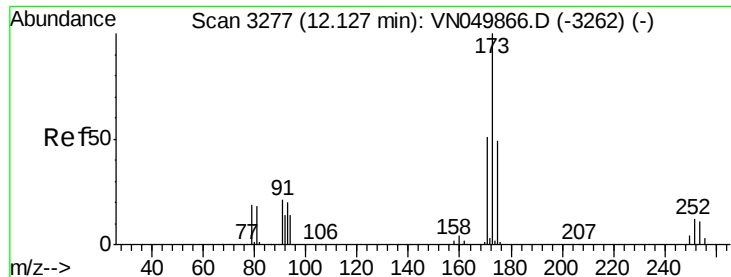
Tot Ion:106 Resp: 632890
Ion Ratio Lower Upper
106 100
91 214.2 108.7 326.1



#70
Styrene
Concen: 55.74 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:104 Resp: 1073038
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 55.6 44.6 67.0

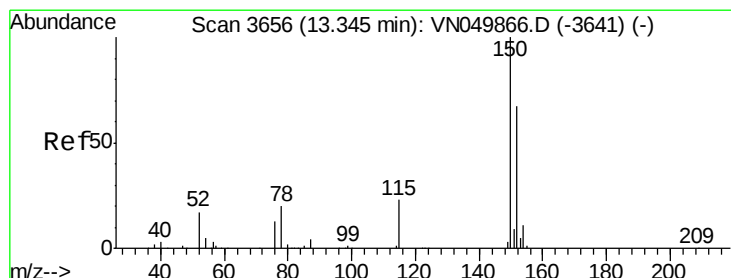
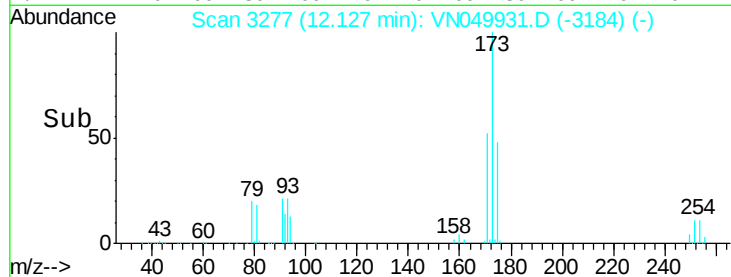
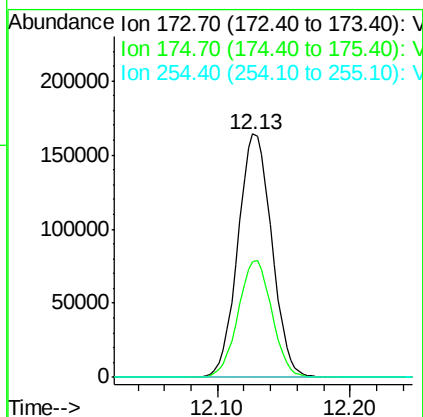
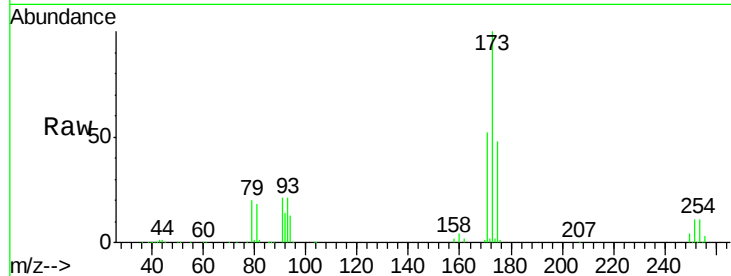




#71
Bromoform
Concen: 52.14 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

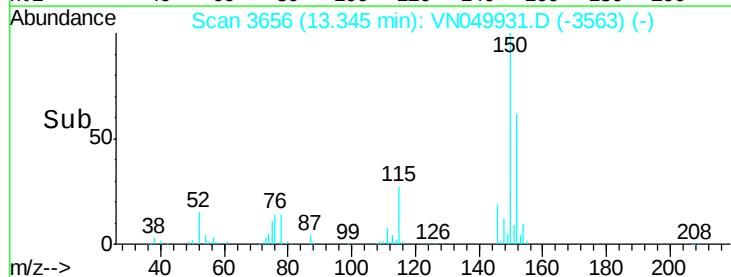
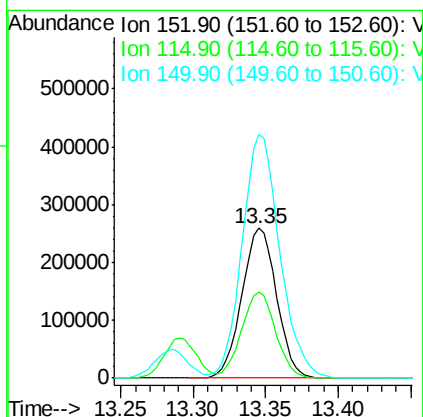
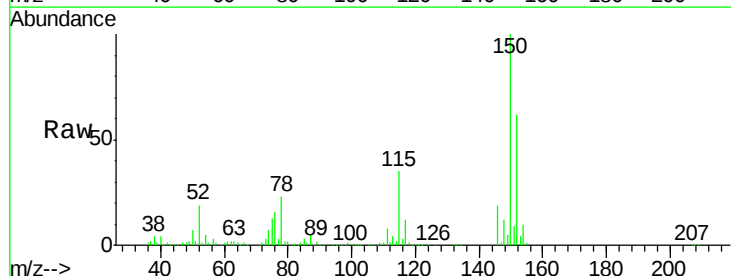
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

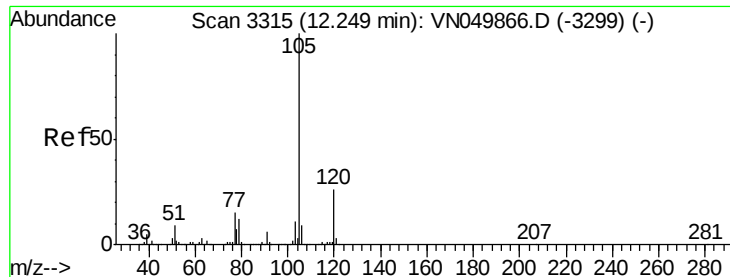
Tot Ion:173 Resp: 291116
Ion Ratio Lower Upper
173 100
175 47.8 24.6 73.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:152 Resp: 431447
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.2
150 176.6 0.0 347.6





#73

Isopropylbenzene

Concen: 51.65 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

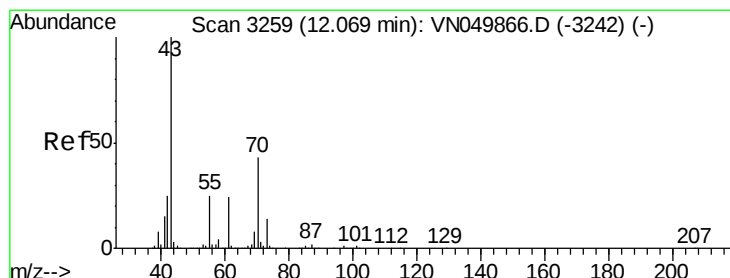
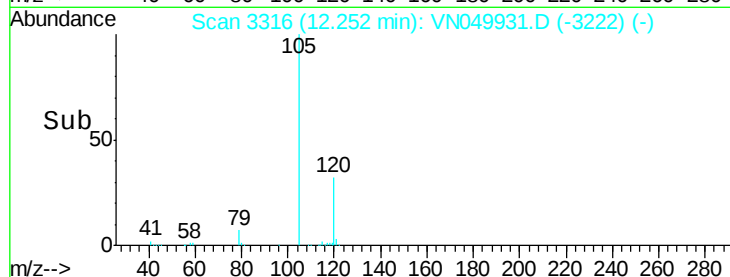
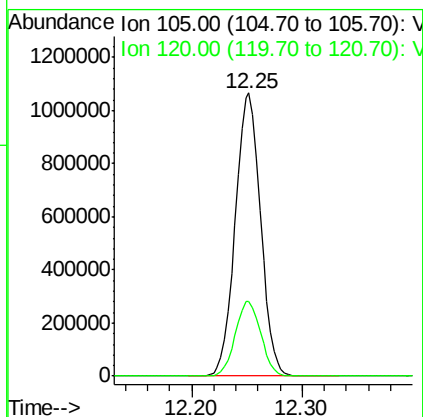
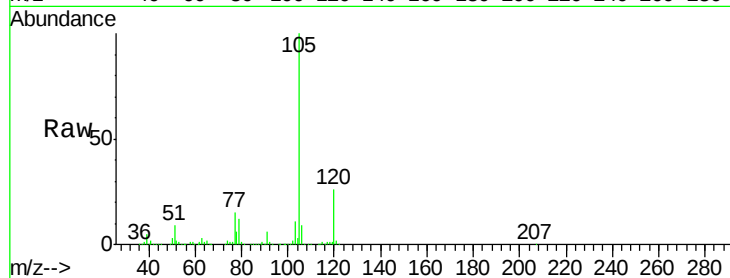
VSTDCCC050

Tot Ion:105 Resp: 1692628

Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8



#74

N-ethyl acetate

Concen: 53.58 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Tgt Ion: 43 Resp: 534531

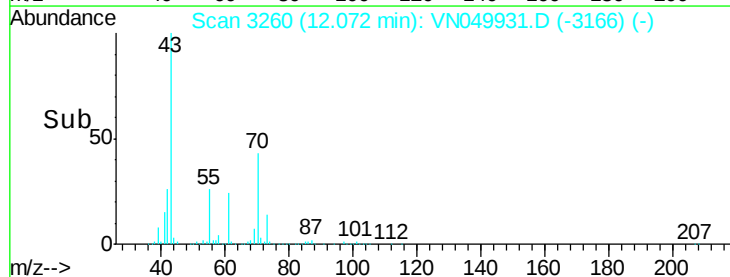
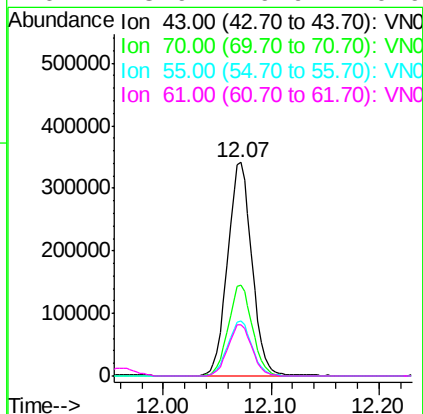
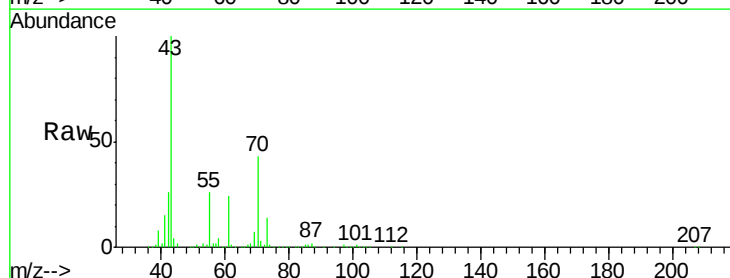
Ion Ratio Lower Upper

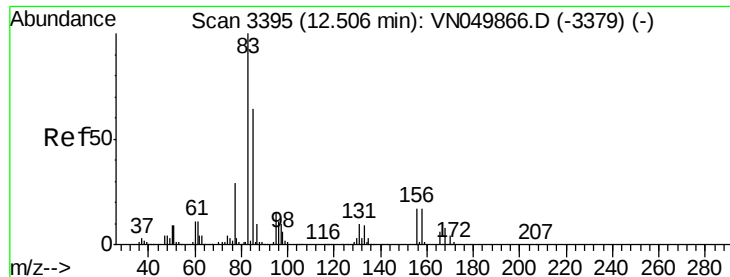
43 100

70 42.3 34.8 52.2

55 26.0 20.9 31.3

61 23.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

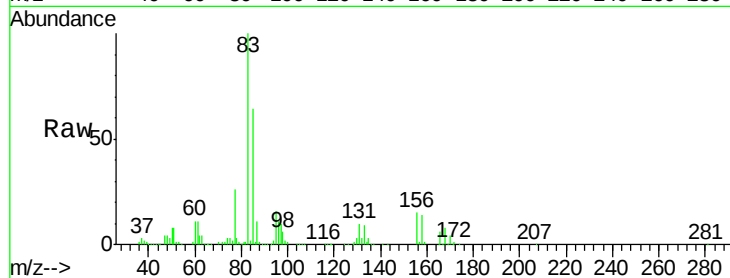
Tot Ion: 83 Resp: 473340

Ion Ratio Lower Upper

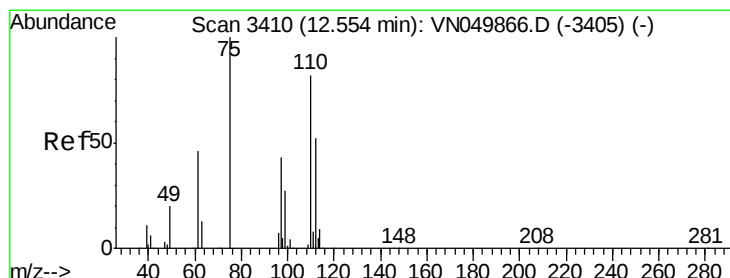
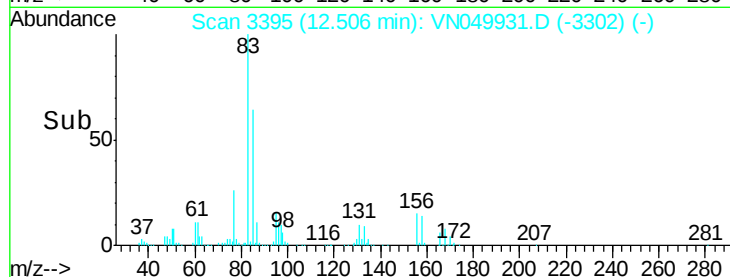
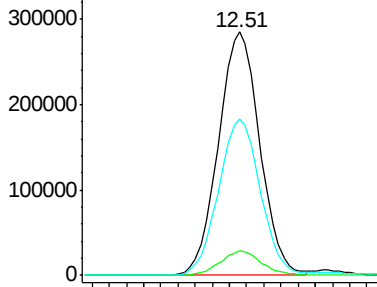
83 100

131 10.0 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: 70.44 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049931.D

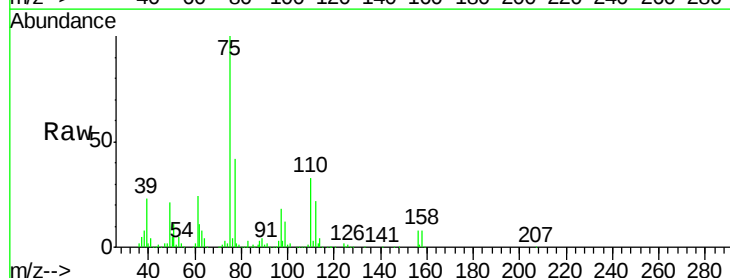
Acq: 19 Jul 2018 22:03

Tgt Ion: 75 Resp: 570082

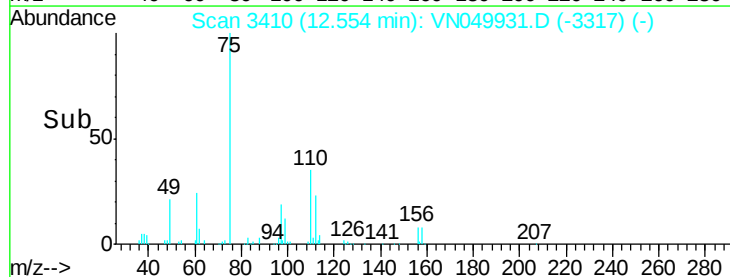
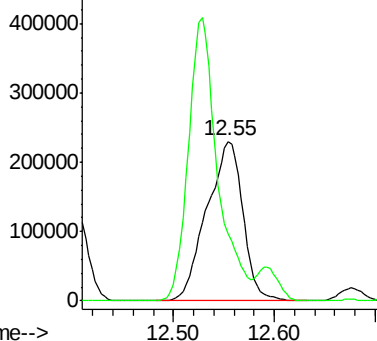
Ion Ratio Lower Upper

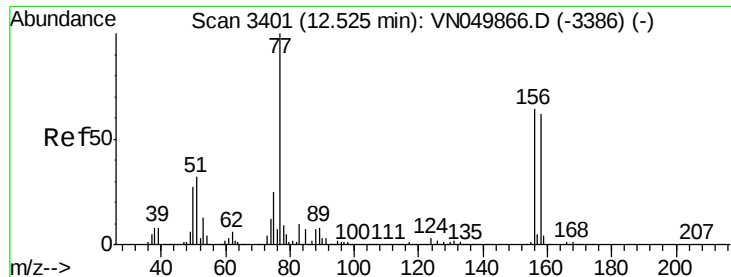
75 100

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: 48.95 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

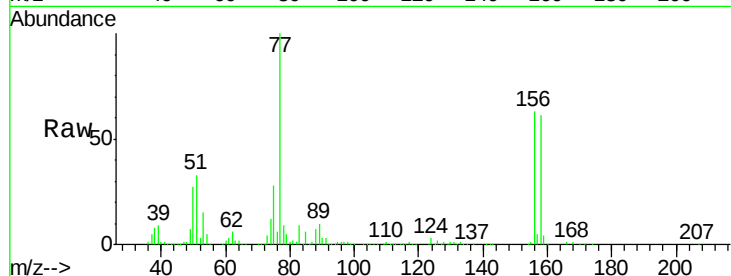
Tot Ion:156 Resp: 443025

Ion Ratio Lower Upper

156 100

77 186.4 90.2 270.6

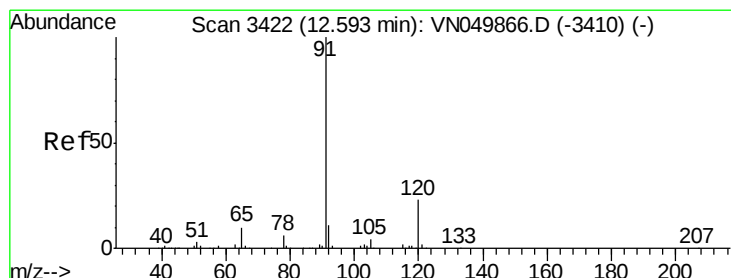
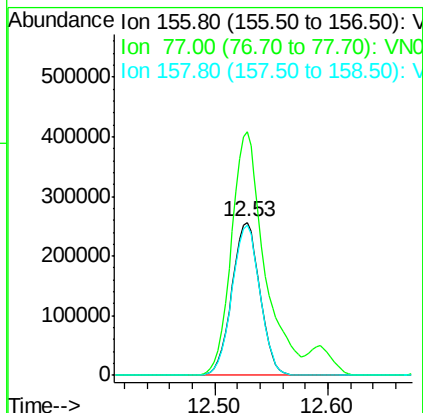
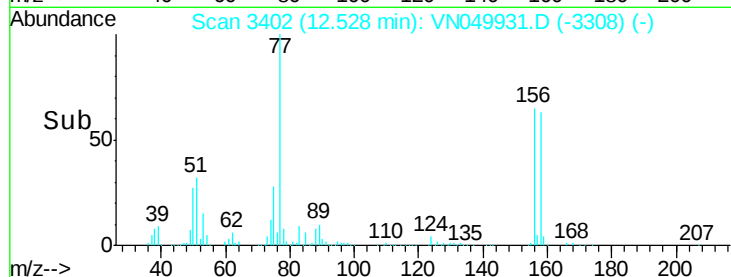
158 97.8 49.1 147.3



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: 52.34 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049931.D

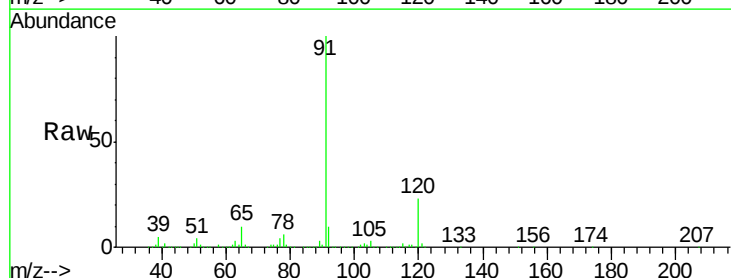
Acq: 19 Jul 2018 22:03

Tgt Ion: 91 Resp: 1950125

Ion Ratio Lower Upper

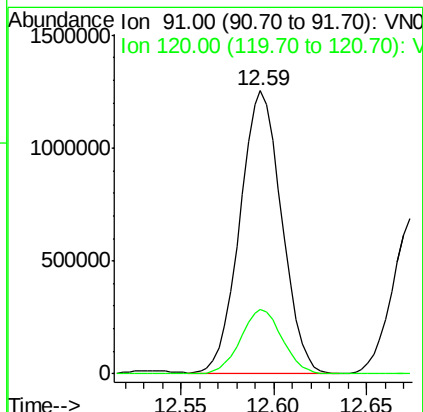
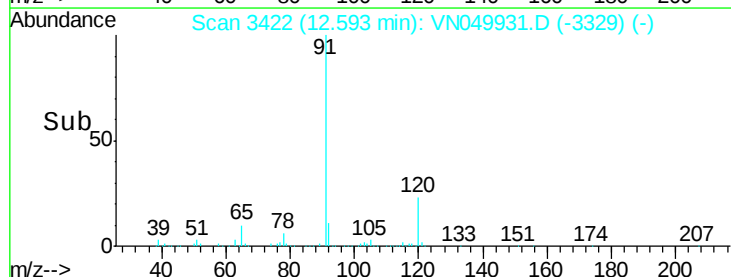
91 100

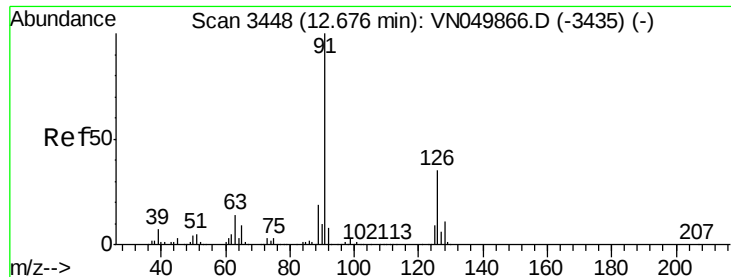
120 22.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampled :

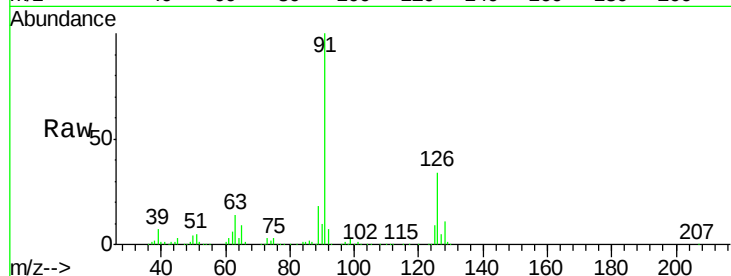
VSTDCCC050

Tot Ion: 91 Resp: 1173926

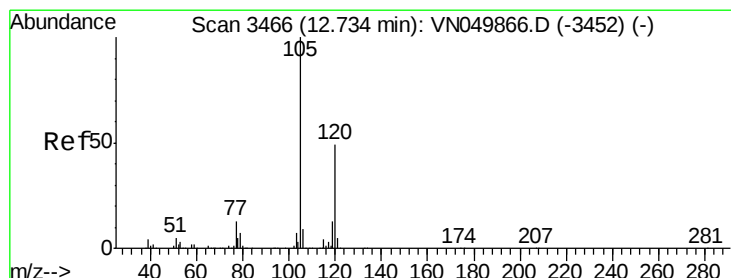
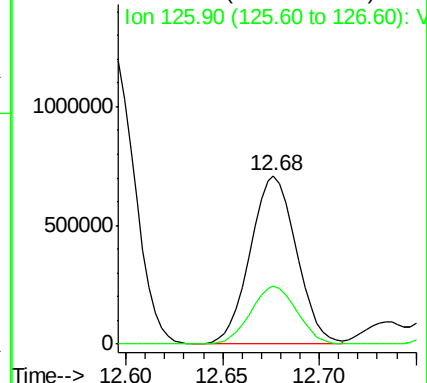
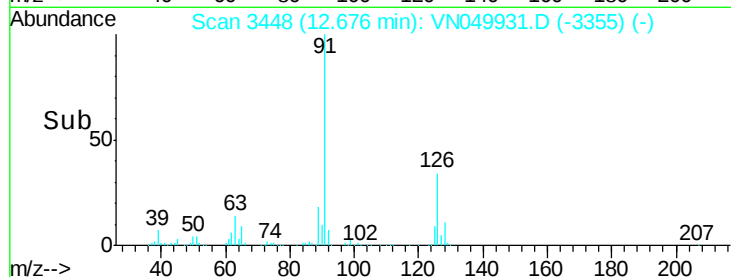
Ion Ratio Lower Upper

91 100

126 34.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN049931.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.91 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049931.D

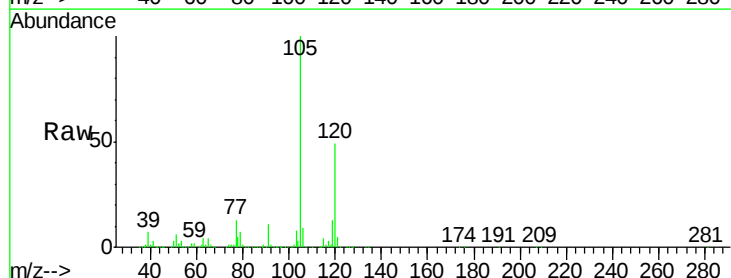
Acq: 19 Jul 2018 22:03

Tgt Ion:105 Resp: 1389760

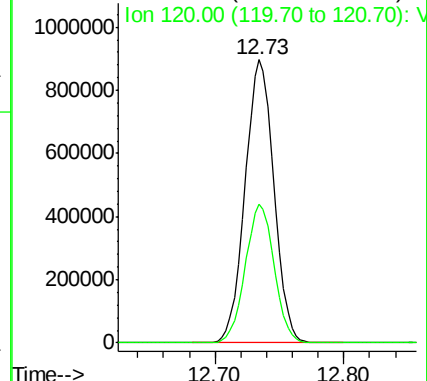
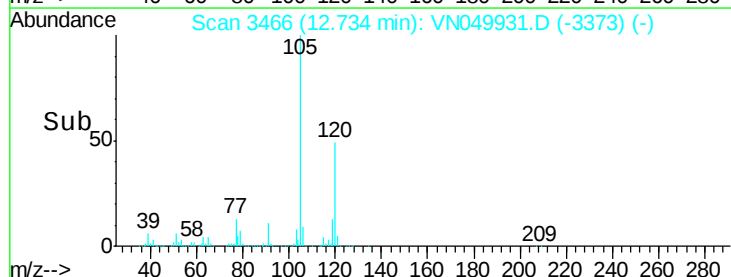
Ion Ratio Lower Upper

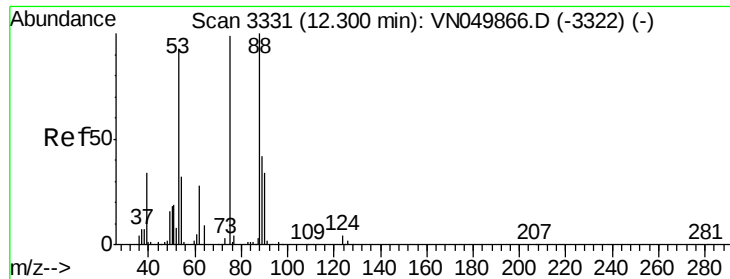
105 100

120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049931.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.99 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

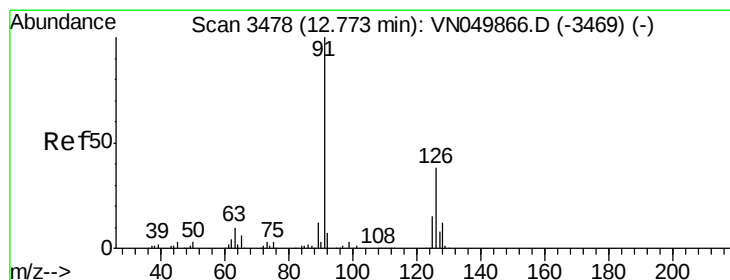
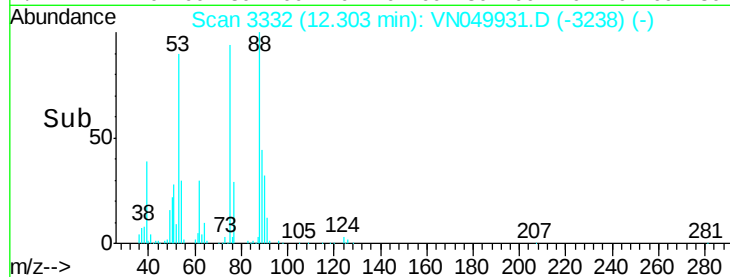
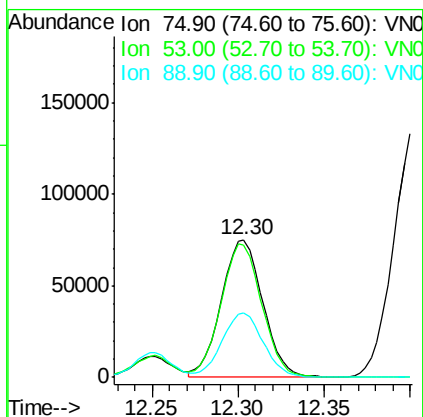
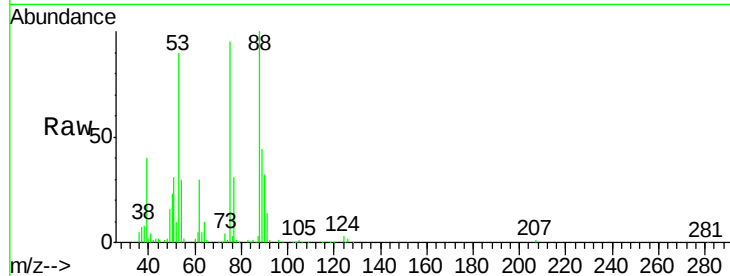
Tot Ion: 75 Resp: 126811

Ion Ratio Lower Upper

75 100

53 95.5 73.9 110.9

89 46.2 35.9 53.9



#82

4-Chlorotoluene

Concen: 51.21 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049931.D

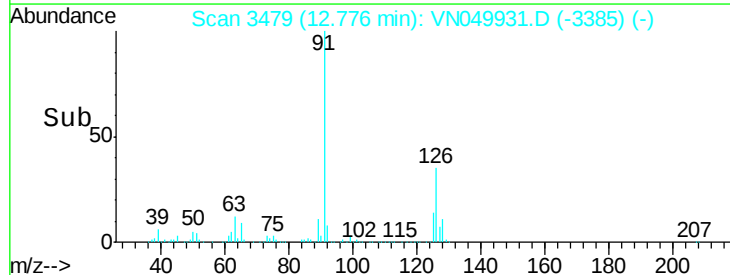
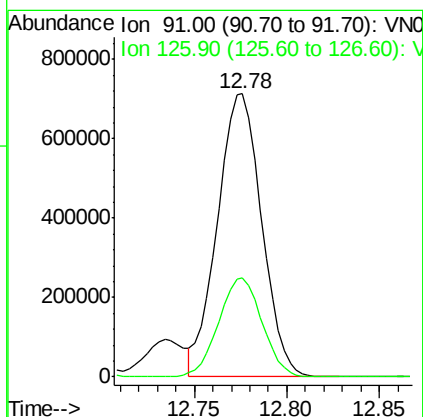
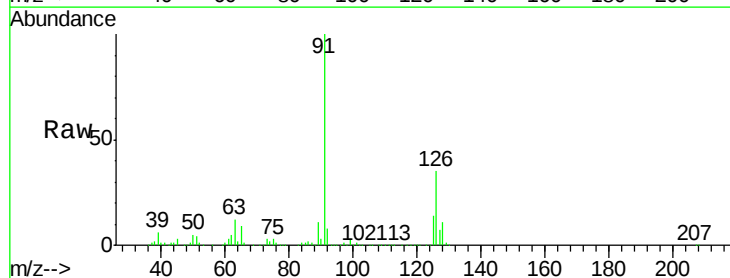
Acq: 19 Jul 2018 22:03

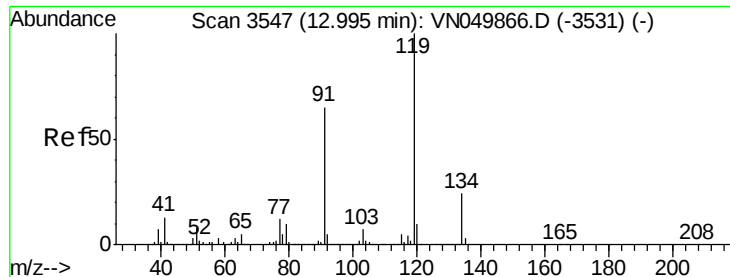
Tgt Ion: 91 Resp: 1175260

Ion Ratio Lower Upper

91 100

126 34.6 17.2 51.6

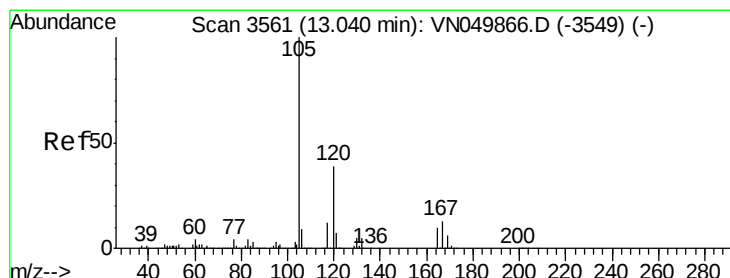
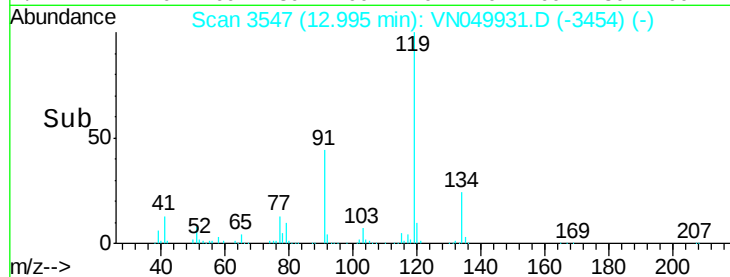
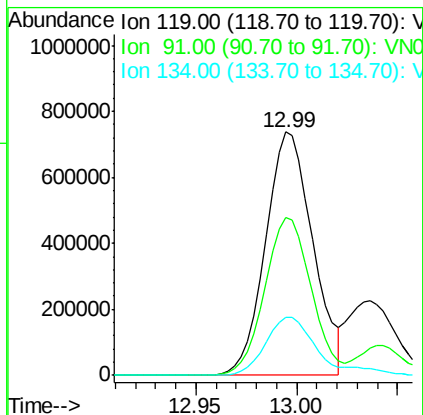
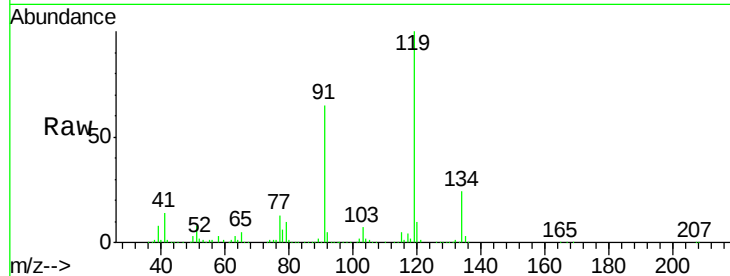




#83
tert-Butylbenzene
Concen: 52.12 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

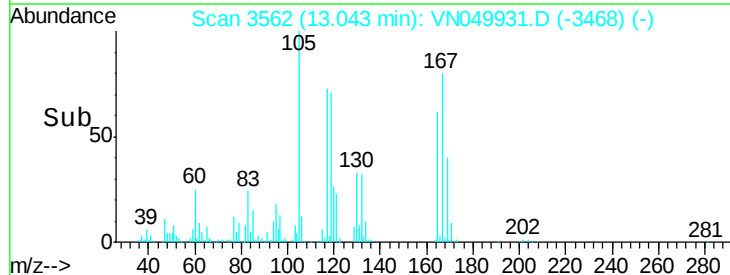
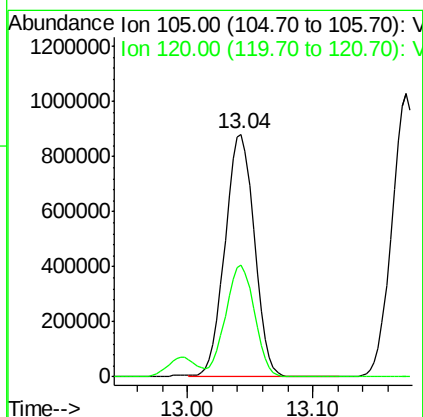
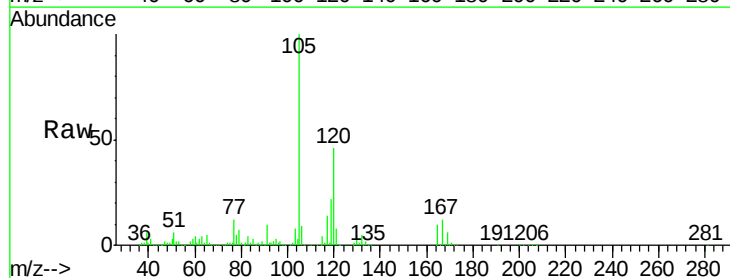
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

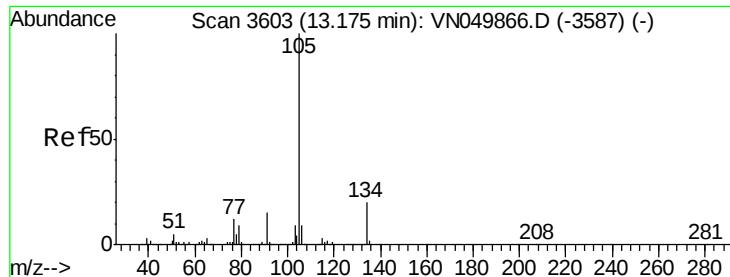
Tot Ion:119 Resp: 1202294
Ion Ratio Lower Upper
119 100
91 63.8 32.0 96.2
134 26.4 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 53.71 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:105 Resp: 1429222
Ion Ratio Lower Upper
105 100
120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 52.70 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

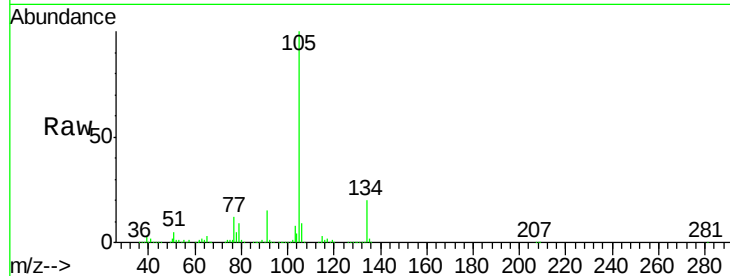
VSTDCCC050

Tot Ion:105 Resp: 1606541

Ion Ratio Lower Upper

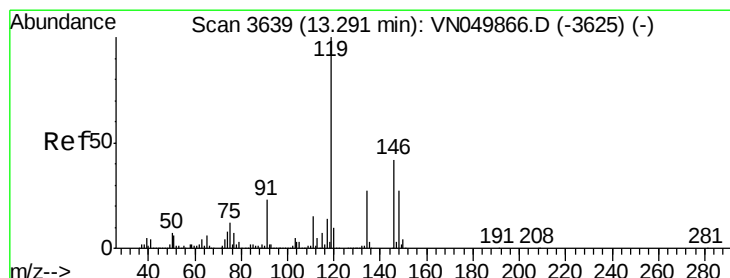
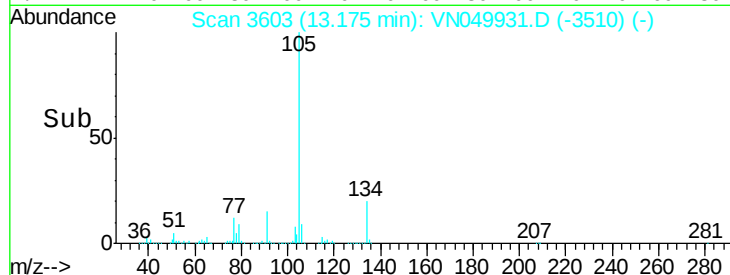
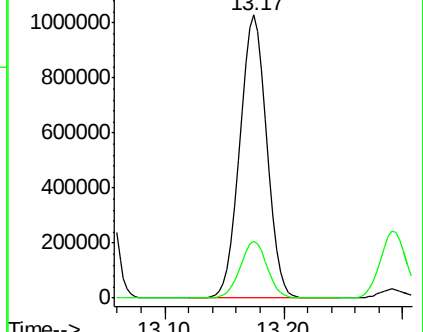
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.79 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

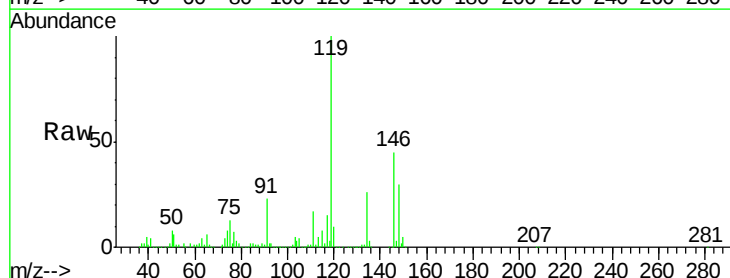
Tgt Ion:119 Resp: 1398051

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.9

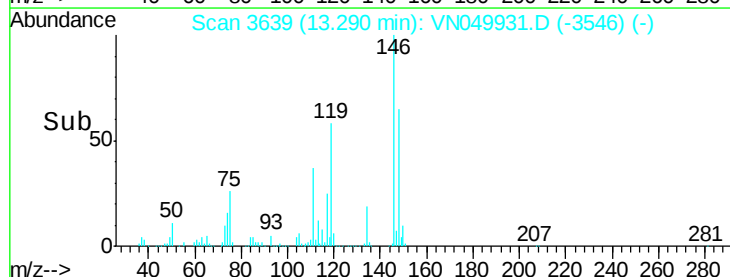
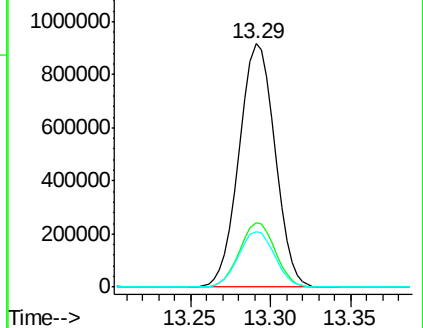
91 22.9 11.4 34.1

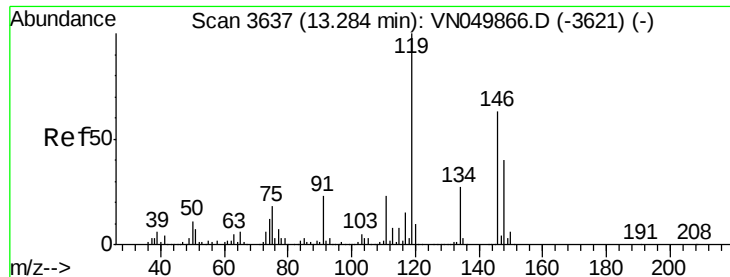


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

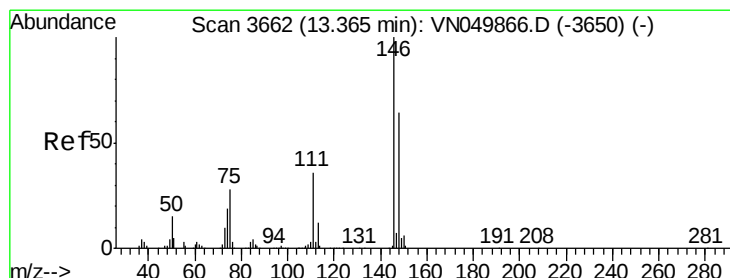
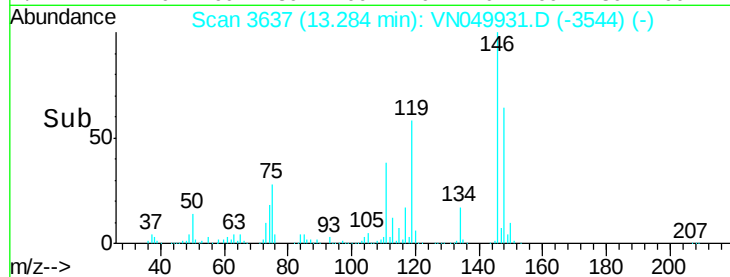
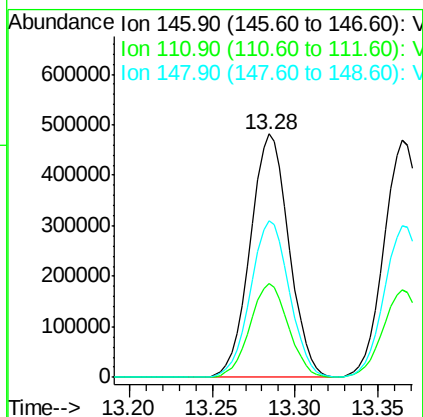
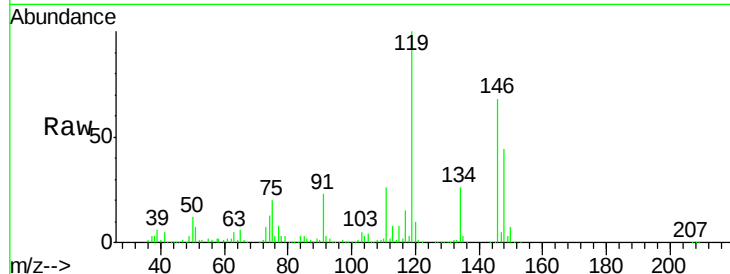




#87
 1,3-Dichlorobenzene
 Concen: 49.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

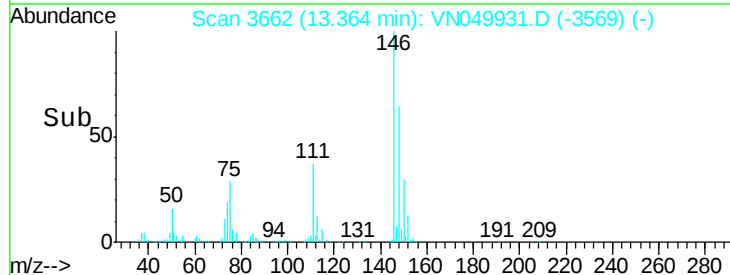
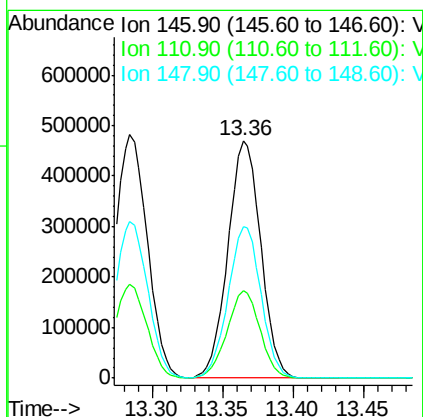
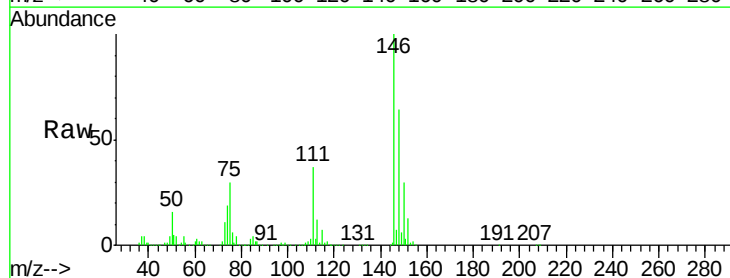
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

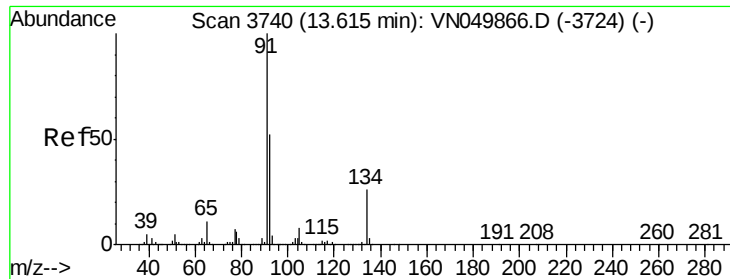
Tot Ion:146 Resp: 784688
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.0 57.0
 148 64.7 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 48.48 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion:146 Resp: 766462
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.5
 148 63.9 32.1 96.3

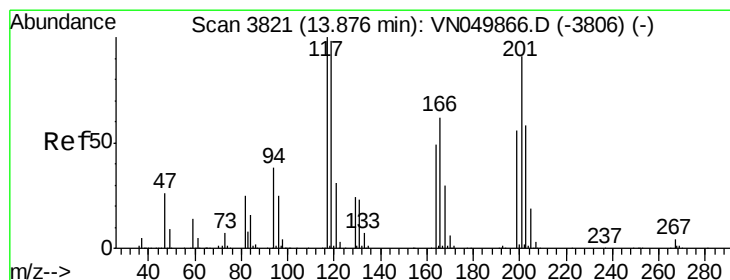
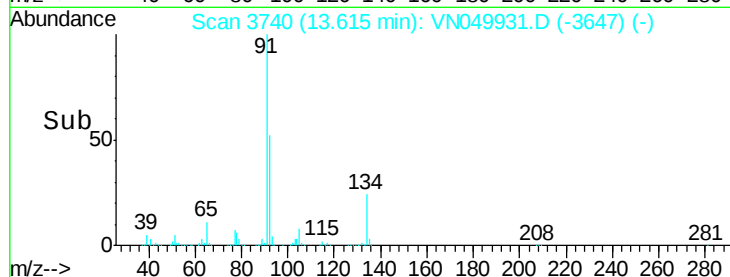
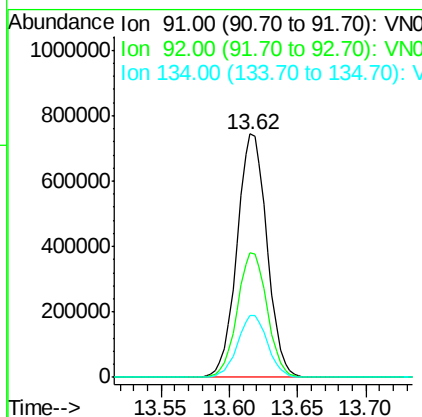
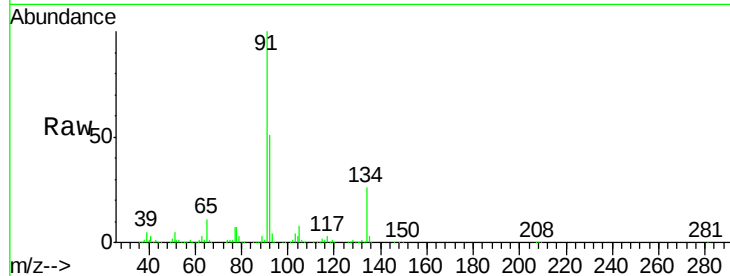




#89
n-Butylbenzene
Concen: 52.69 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

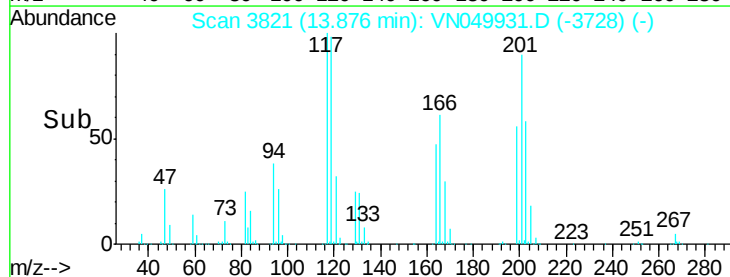
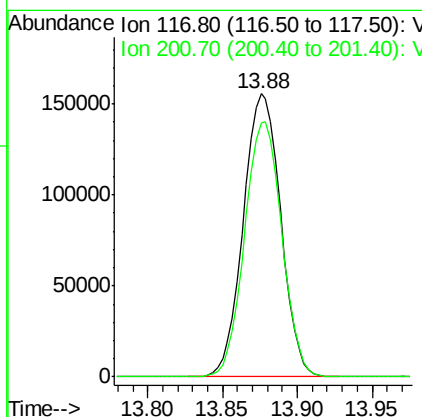
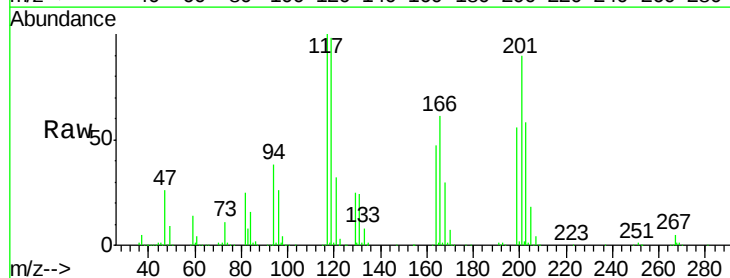
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

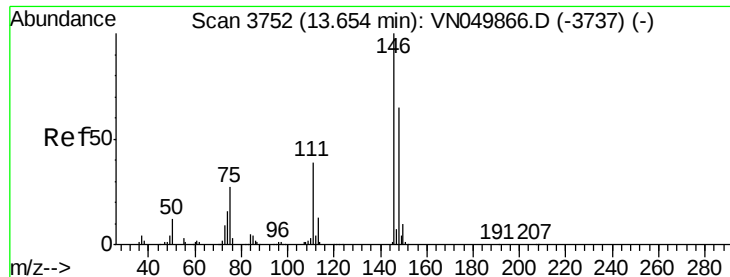
Tot Ion: 91 Resp: 1130639
Ion Ratio Lower Upper
91 100
92 51.1 25.8 77.3
134 25.5 13.0 38.9



#90
Hexachloroethane
Concen: 46.48 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion: 117 Resp: 271100
Ion Ratio Lower Upper
117 100
201 89.6 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 50.13 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

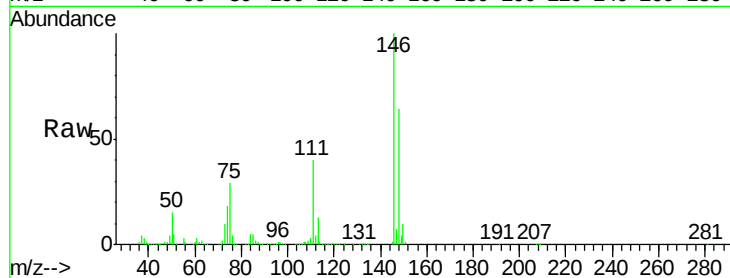
Tot Ion:146 Resp: 777229

Ion Ratio Lower Upper

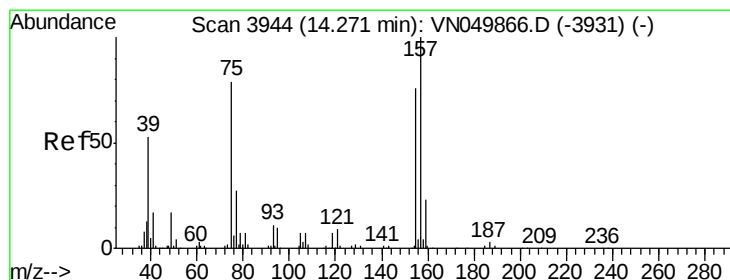
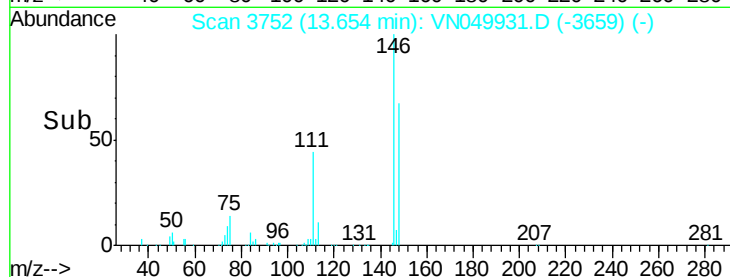
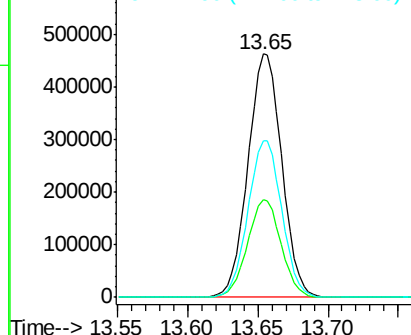
146 100

111 39.8 19.7 59.1

148 64.1 32.0 96.2



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.41 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN049931.D

Acq: 19 Jul 2018 22:03

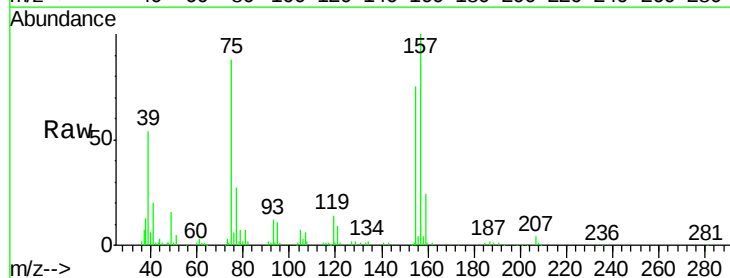
Tgt Ion: 75 Resp: 76471

Ion Ratio Lower Upper

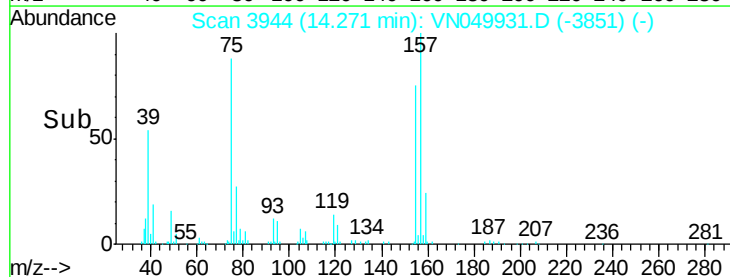
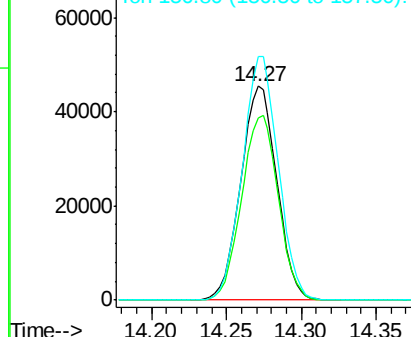
75 100

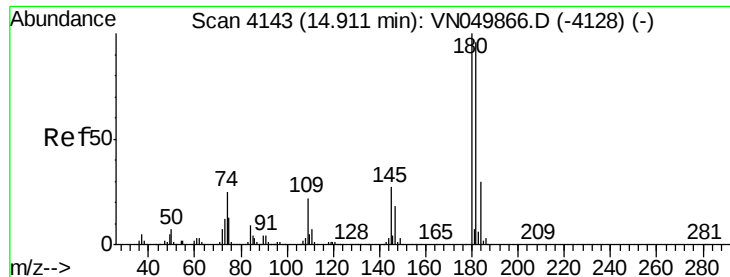
155 87.3 45.7 137.1

157 113.1 56.9 170.7



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

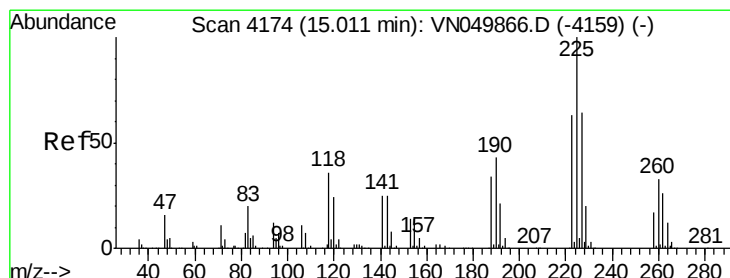
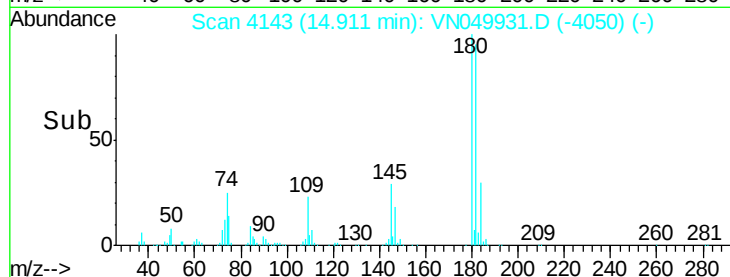
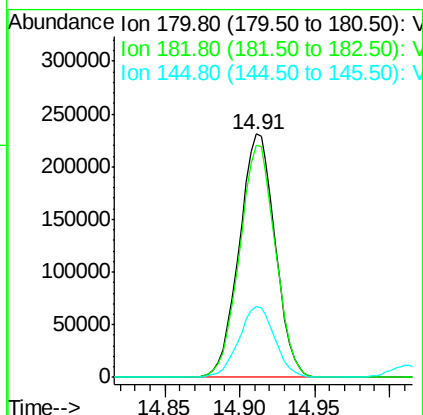
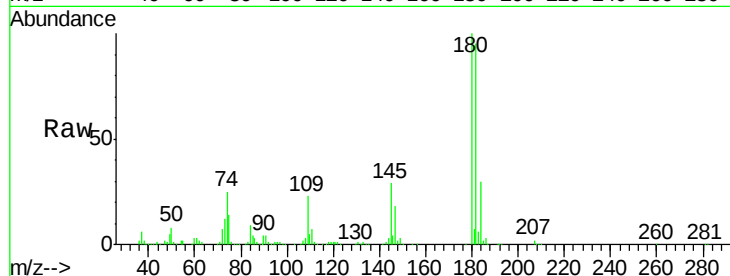




#93
 1,2,4-Trichlorobenzene
 Concen: 45.47 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

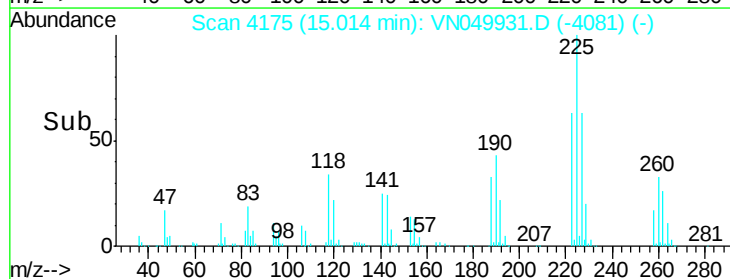
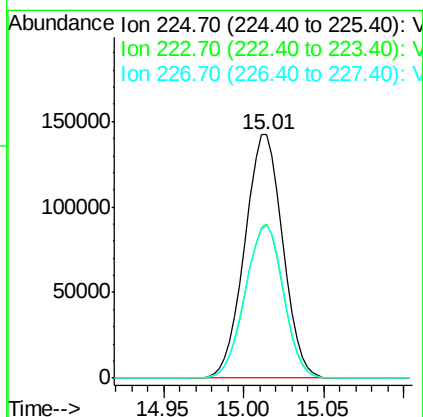
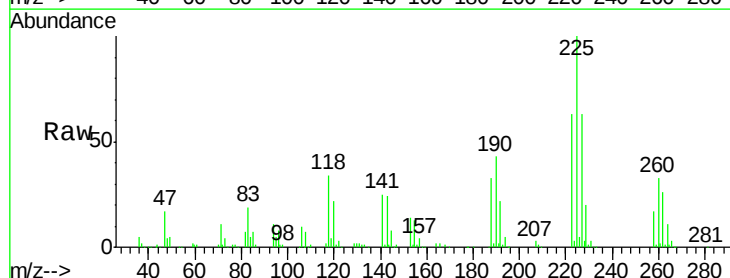
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

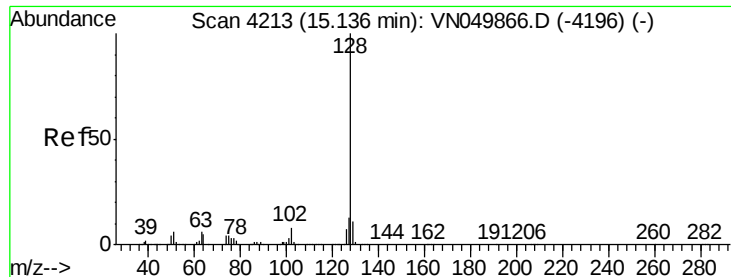
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	28.9	14.4	43.0



#94
 Hexachlorobutadiene
 Concen: 45.47 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049931.D
 Acq: 19 Jul 2018 22:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.7
227	63.5	31.8	95.4

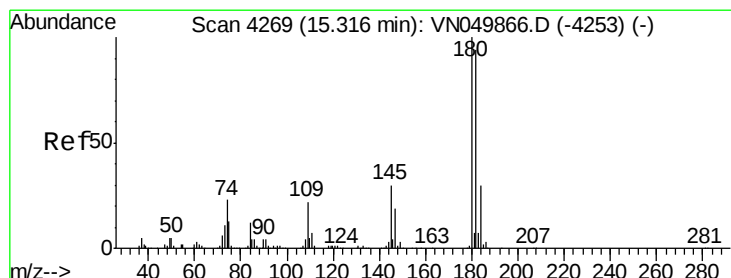
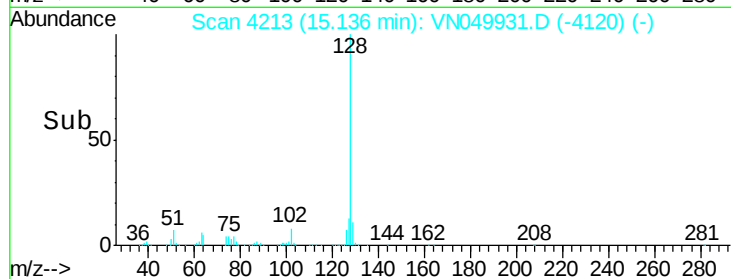
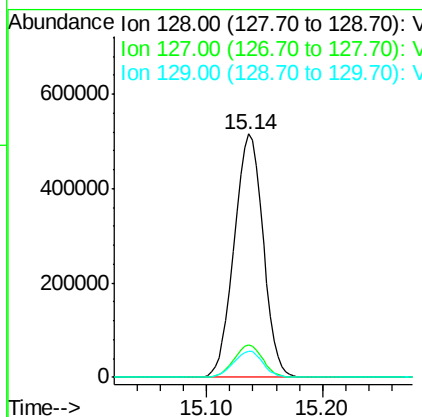
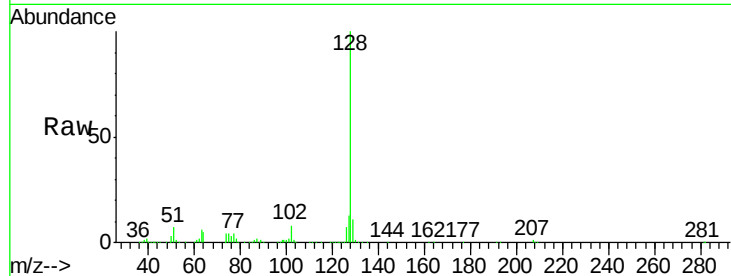




#95
Naphthalene
Concen: 44.15 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 890404
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 52.93 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049931.D
Acq: 19 Jul 2018 22:03

Tgt Ion:180 Resp: 393661
Ion Ratio Lower Upper
180 100
182 95.2 47.4 142.2
145 30.2 15.2 45.6

