

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050809.D
 Acq On : 22 Aug 2018 10:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 23 01:00:35 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	667584	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	906765	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	441453	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	387948	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.59	113	366416	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1414494	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.40	95	470880	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	485455	54.34	ug/l	100
3) Chloromethane	2.06	50	516000	46.83	ug/l	99
4) Vinyl Chloride	2.18	62	513699	49.21	ug/l	100
5) Bromomethane	2.56	94	287245	48.39	ug/l	99
6) Chloroethane	2.70	64	293275	48.63	ug/l	100
7) Trichlorofluoromethane	3.01	101	664668	49.73	ug/l	99
8) Diethyl Ether	3.41	74	216480	47.63	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	422311	50.57	ug/l	98
10) Methyl Iodide	3.95	142	333506	46.08	ug/l	99
11) Tert butyl alcohol	4.79	59	116320	227.29	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	369436	49.27	ug/l	100
13) Acrolein	3.61	56	60233	205.02	ug/l	99
14) Allyl chloride	4.32	41	574003	49.13	ug/l	100
15) Acrylonitrile	4.99	53	636453	244.71	ug/l	99
16) Acetone	3.82	43	505720	266.19	ug/l	98
17) Carbon Disulfide	4.05	76	1167434	46.45	ug/l	99
18) Methyl Acetate	4.33	43	345604	45.54	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	953326	50.55	ug/l	100
20) Methylene Chloride	4.55	84	420277	46.40	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	399179	49.22	ug/l	97
22) Diisopropyl ether	5.95	45	1202946	51.66	ug/l	100
23) Vinyl Acetate	5.90	43	3858518	257.32	ug/l	100
24) 1,1-Dichloroethane	5.85	63	724861	48.49	ug/l	100
25) 2-Butanone	6.84	43	746700	230.55	ug/l	99
26) 2,2-Dichloropropane	6.83	77	588771	49.02	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	433182	49.55	ug/l	99
28) Bromochloromethane	7.19	49	310950	48.95	ug/l	98
29) Tetrahydrofuran	7.21	42	465048	250.44	ug/l	99
30) Chloroform	7.37	83	724029	48.91	ug/l	99
31) Cyclohexane	7.65	56	663885	48.88	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	627077	49.32	ug/l	99
36) 1,1-Dichloropropene	7.79	75	571046	53.37	ug/l	99
37) Ethyl Acetate	6.93	43	314652	51.19	ug/l	100
38) Carbon Tetrachloride	7.77	117	562235	51.98	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	636102	54.95	ug/l	99
40) Benzene	8.04	78	1694927	52.53	ug/l	100
41) Methacrylonitrile	7.17	41	140903	42.36	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	503059	52.15	ug/l	100
43) Isopropyl Acetate	8.17	43	559473	52.94	ug/l	99
44) Trichloroethene	8.83	130	444012	52.18	ug/l	99
45) 1,2-Dichloropropane	9.12	63	442592	52.19	ug/l	99
46) Dibromomethane	9.21	93	255009	51.18	ug/l	98
47) Bromodichloromethane	9.40	83	549512	52.65	ug/l	99
48) Methyl methacrylate	9.20	41	282417	52.44	ug/l	98
49) 1,4-Dioxane	9.20	88	77951	1061.67	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1570707	249.06	ug/l	99
52) Toluene	10.16	92	1041130	54.47	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	553447	53.28	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	643454	54.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	371993	52.44	ug/l	99
56) Ethyl methacrylate	10.43	69	441364	47.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	616222	52.62	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	976014	242.74	ug/l	100
59) 2-Hexanone	10.75	43	1089258	259.44	ug/l	100
60) Dibromochloromethane	10.90	129	426045	53.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	362991	52.91	ug/l	98
64) Tetrachloroethene	10.63	164	407285	50.89	ug/l	99
65) Chlorobenzene	11.43	112	1133363	51.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	423237	52.52	ug/l	99
67) Ethyl Benzene	11.51	91	1966720	54.92	ug/l	100
68) m/p-Xylenes	11.62	106	1540790	113.36	ug/l	99
69) o-Xylene	11.95	106	728753	55.77	ug/l	99
70) Styrene	11.96	104	1171720	50.86	ug/l	99
71) Bromoform	12.13	173	293133	52.89	ug/l #	100
73) Isopropylbenzene	12.25	105	1928259	52.75	ug/l	100
74) N-amyl acetate	12.07	43	469930	51.16	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	451395	51.86	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	546153	70.63	ug/l #	100
77) Bromobenzene	12.53	156	494411	49.77	ug/l	97
78) n-propylbenzene	12.59	91	2229651	54.60	ug/l	100
79) 2-Chlorotoluene	12.68	91	1312579	51.60	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1607581	54.50	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	115666	50.57	ug/l	97
82) 4-Chlorotoluene	12.77	91	1331380	53.02	ug/l	100
83) tert-Butylbenzene	12.99	119	1377541	53.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1629576	54.93	ug/l	99
85) sec-Butylbenzene	13.17	105	1821266	54.41	ug/l	100
86) p-Isopropyltoluene	13.29	119	1607240	56.35	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	869138	51.55	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	836952	50.44	ug/l	100
89) n-Butylbenzene	13.62	91	1287126	56.43	ug/l	100
90) Hexachloroethane	13.88	117	289195	53.19	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	825597	50.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61163	46.59	ug/l	96

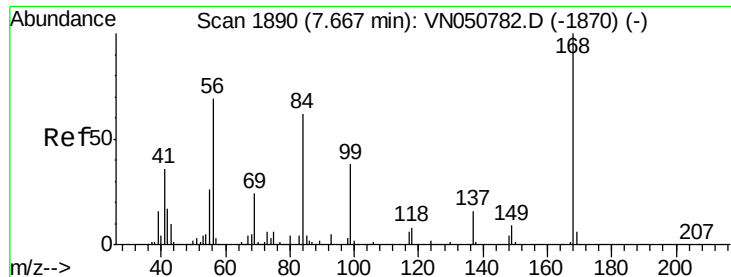
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	398767	47.36	ug/l	99
94) Hexachlorobutadiene	15.01	225	262568	54.56	ug/l	99
95) Naphthalene	15.13	128	751281	43.39	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	382002	48.28	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: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

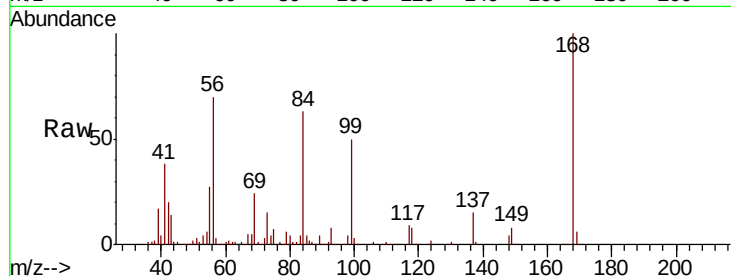
VSTDCCC050

Tot Ion:168 Resp: 667584

Ion Ratio Lower Upper

168 100

99 49.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

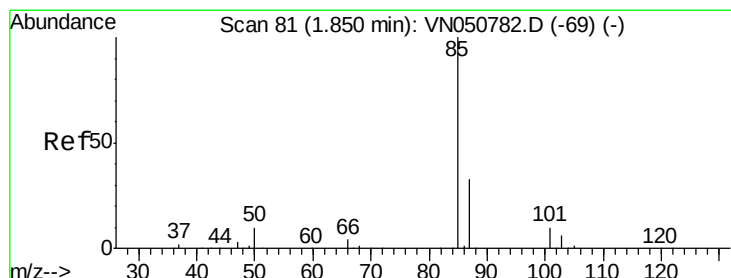
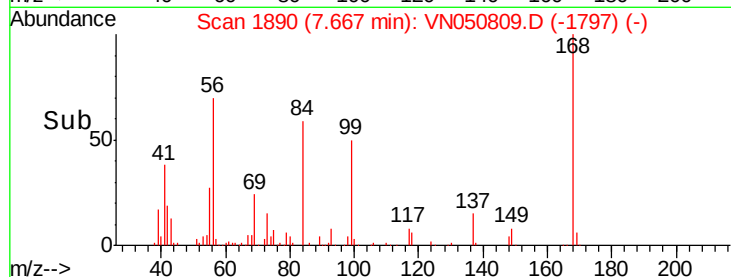
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050809.D

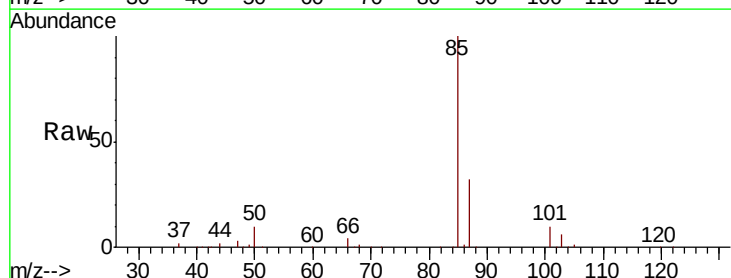
Acq: 22 Aug 2018 10:45

Tgt Ion: 85 Resp: 485455

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

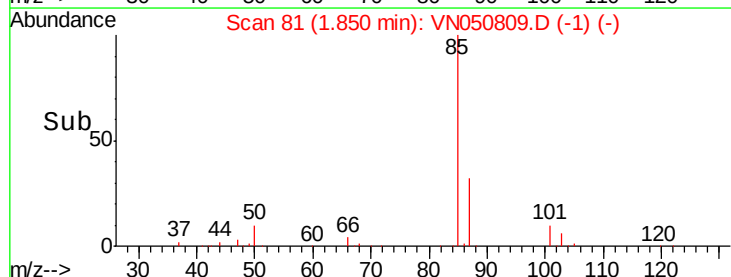
300000

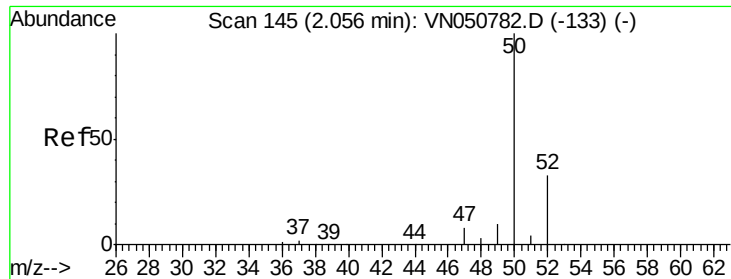
200000

100000

0

Time-->





#3

Chloromethane

Concen: 46.83 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

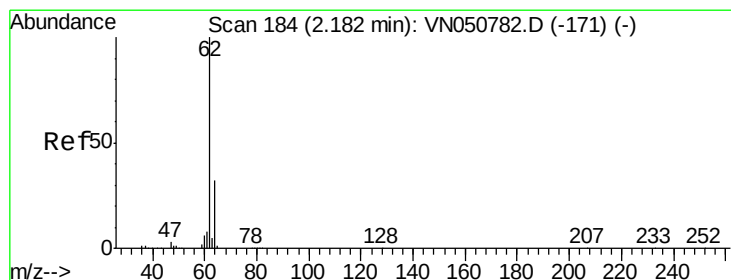
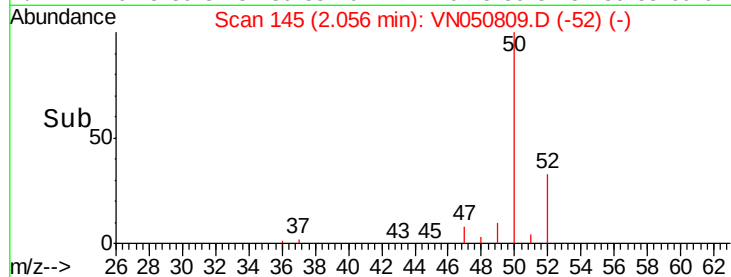
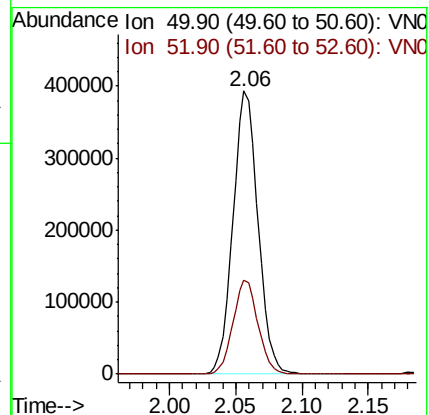
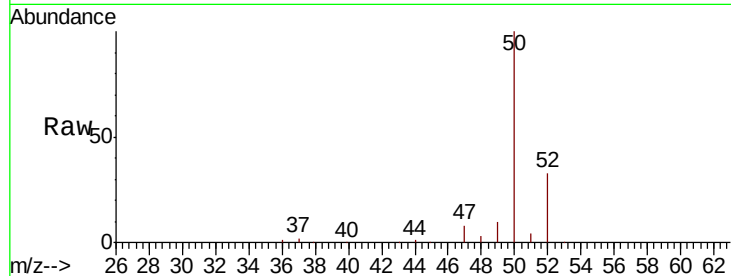
VSTDCCC050

Tot Ion: 50 Resp: 516000

Ion Ratio Lower Upper

50 100

52 33.3 26.3 39.5



#4

Vinyl Chloride

Concen: 49.21 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050809.D

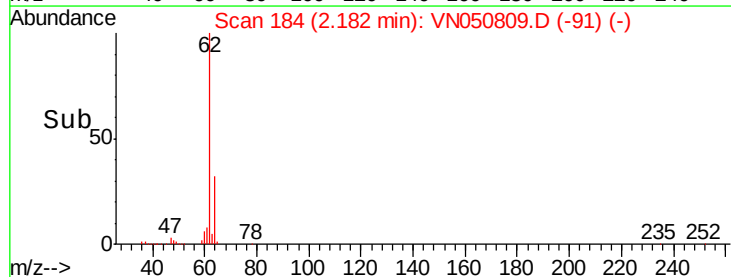
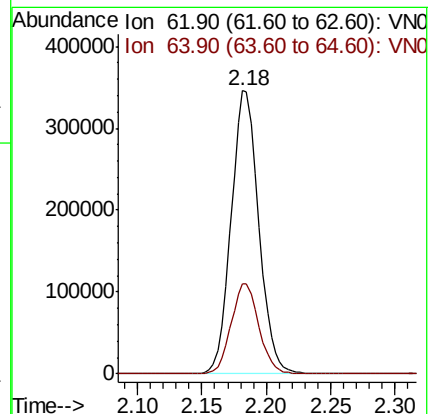
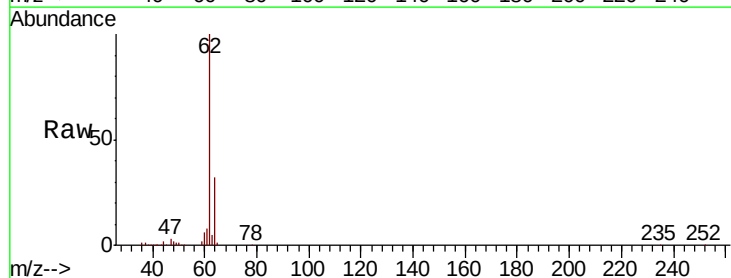
Acq: 22 Aug 2018 10:45

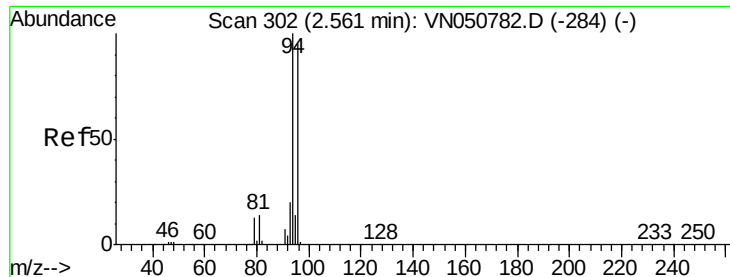
Tgt Ion: 62 Resp: 513699

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2





#5

Bromomethane

Concen: 48.39 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

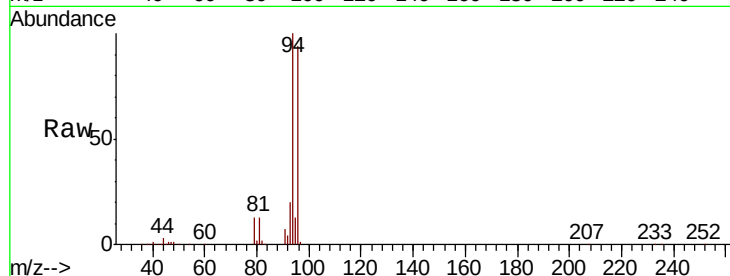
VSTDCCC050

Tot Ion: 94 Resp: 287245

Ion Ratio Lower Upper

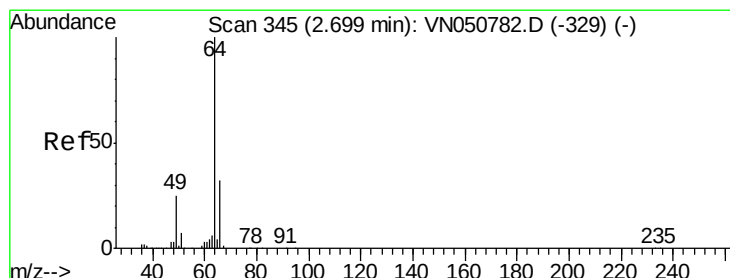
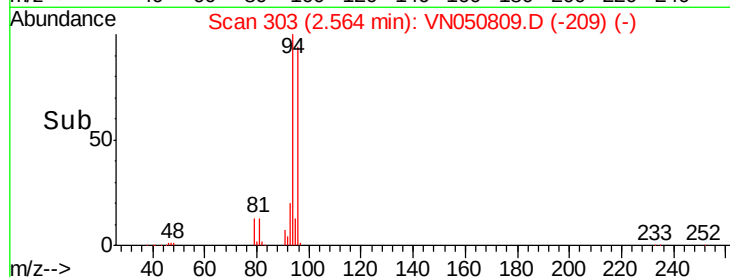
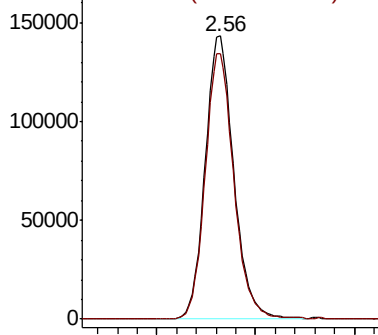
94 100

96 94.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 48.63 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050809.D

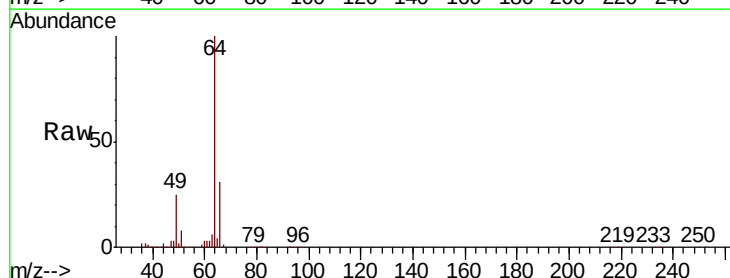
Acq: 22 Aug 2018 10:45

Tgt Ion: 64 Resp: 293275

Ion Ratio Lower Upper

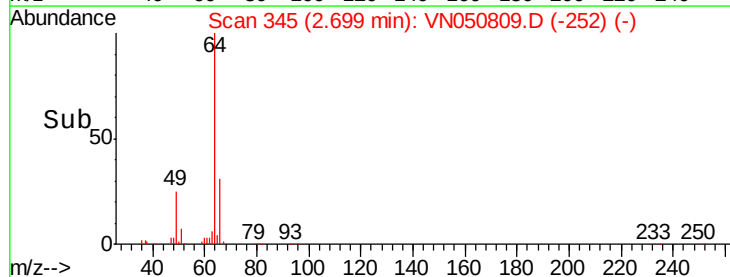
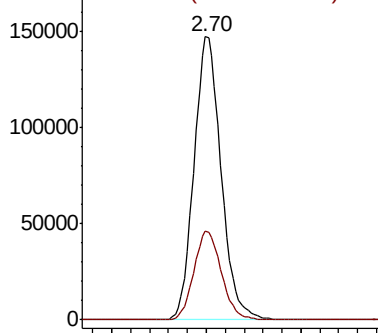
64 100

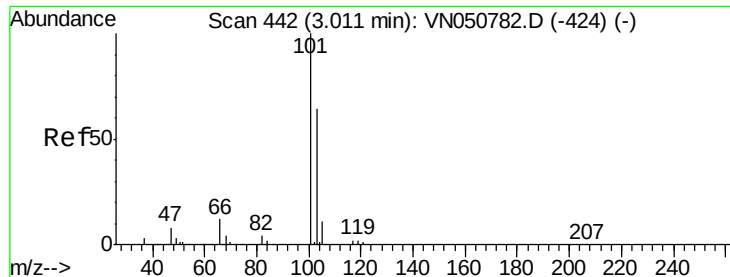
66 31.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 49.73 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

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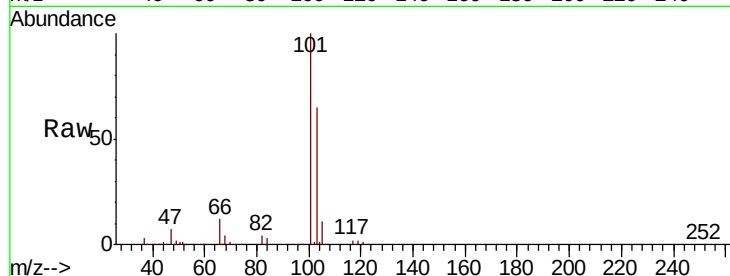
VSTDCCC050

Tot Ion:101 Resp: 664668

Ion Ratio Lower Upper

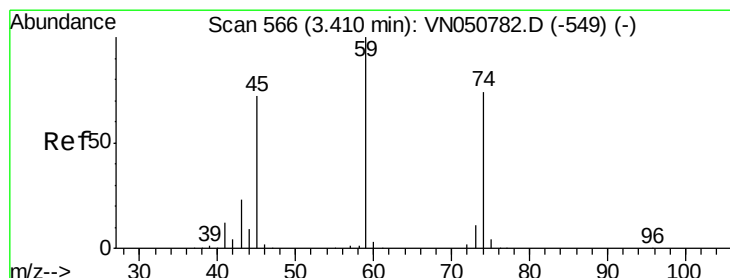
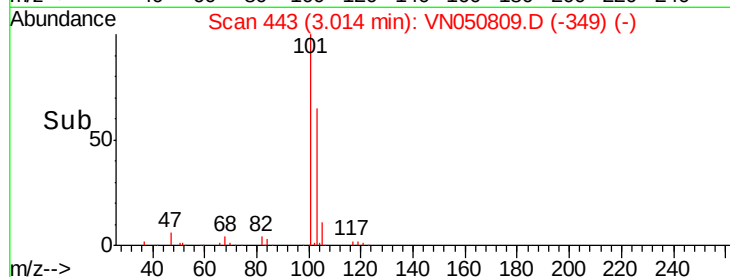
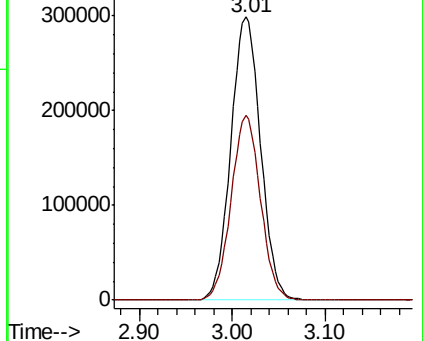
101 100

103 65.2 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.63 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050809.D

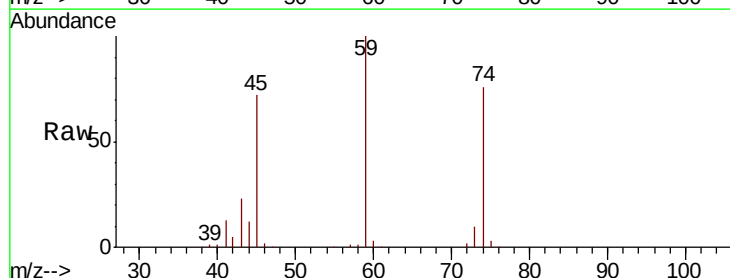
Acq: 22 Aug 2018 10:45

Tgt Ion: 74 Resp: 216480

Ion Ratio Lower Upper

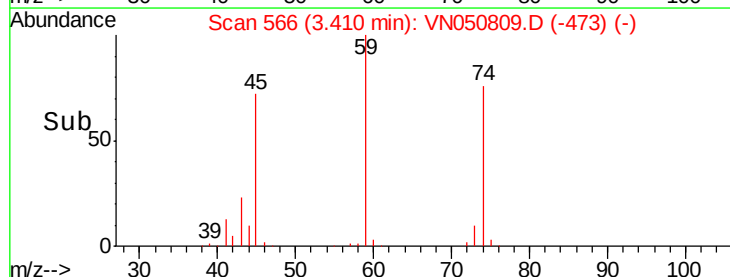
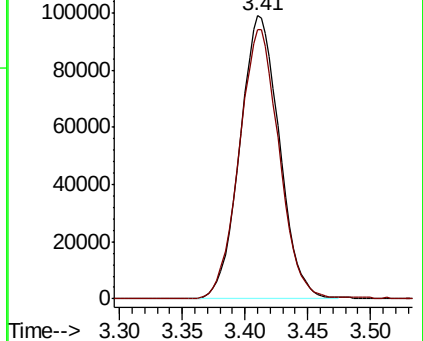
74 100

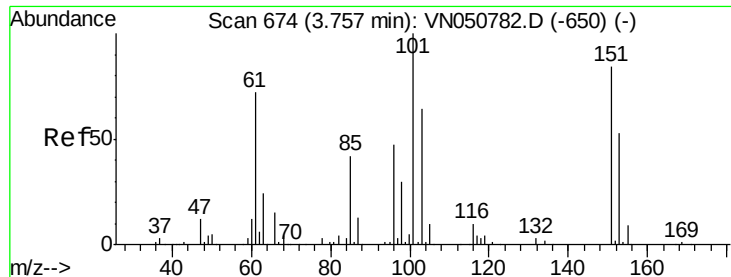
45 96.8 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

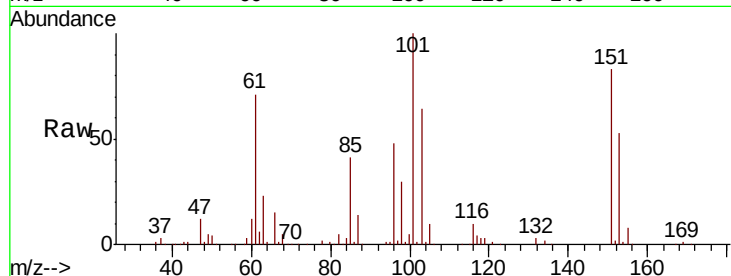




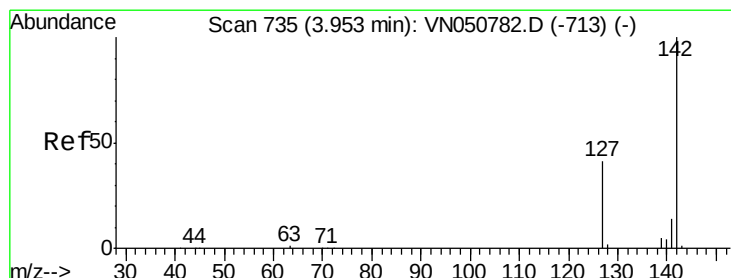
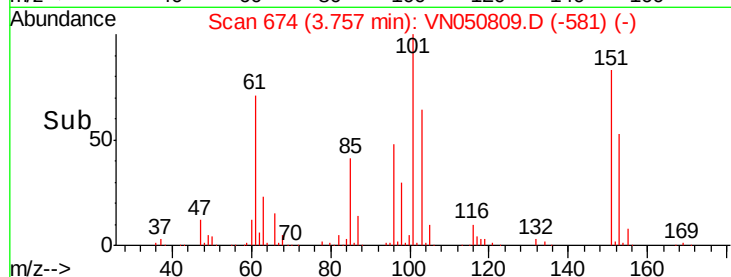
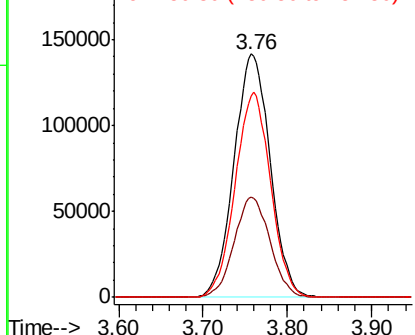
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.57 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050809.D
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Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion:101 Resp: 422311
 Ion Ratio Lower Upper
 101 100
 85 40.9 33.7 50.5
 151 82.6 67.4 101.2

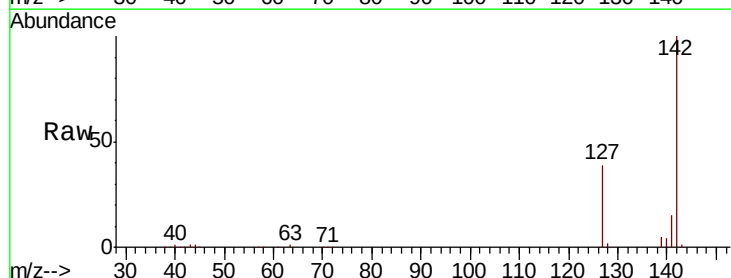


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): VN
 Ion 150.80 (150.50 to 151.50): V

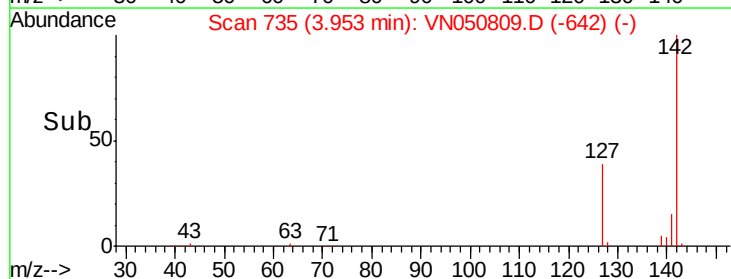
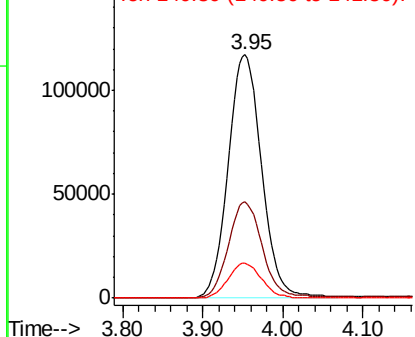


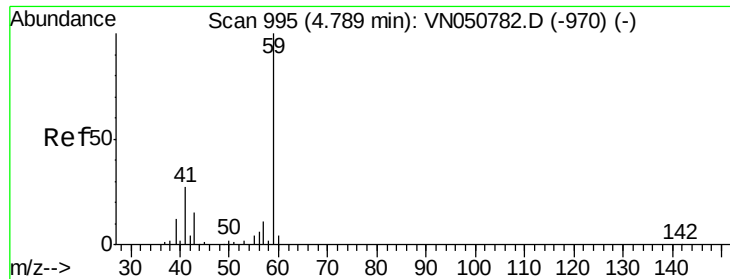
#10
 Methyl Iodide
 Concen: 46.08 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion:142 Resp: 333506
 Ion Ratio Lower Upper
 142 100
 127 40.4 31.7 47.5
 141 14.3 11.4 17.0



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



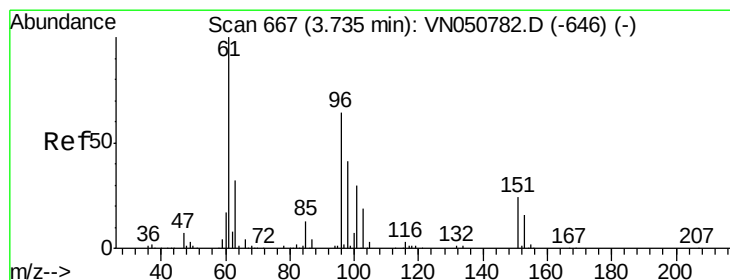
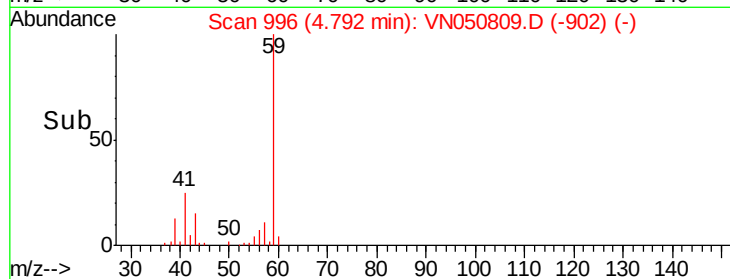
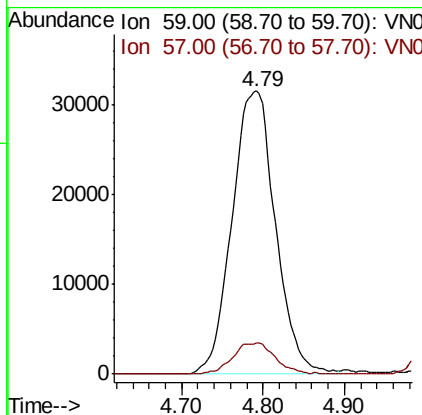
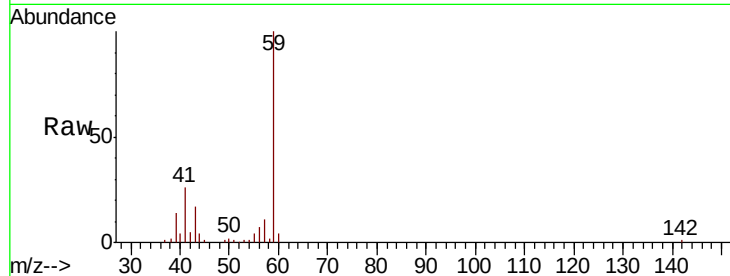


#11

Tert butyl alcohol
 Concen: 227.29 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

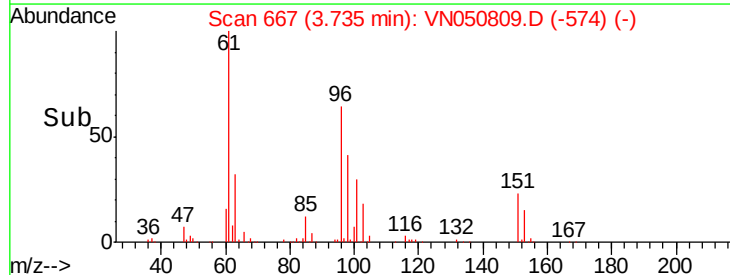
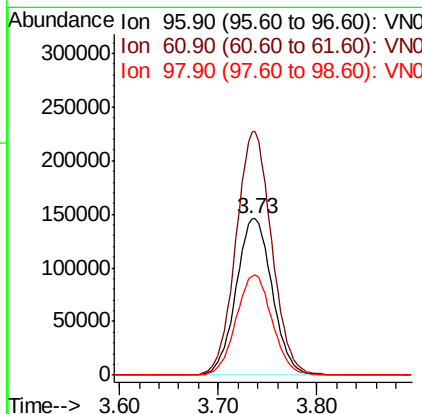
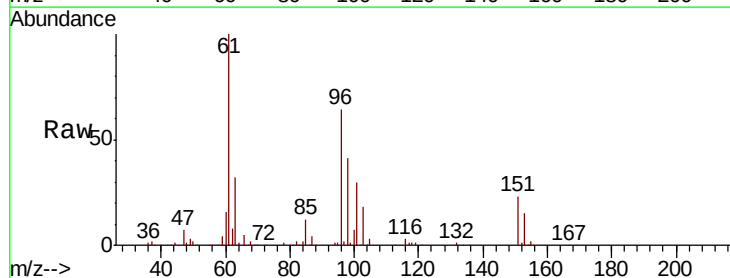
Tot Ion: 59 Resp: 116320
 Ion Ratio Lower Upper
 59 100
 57 5.1 8.3 12.5#

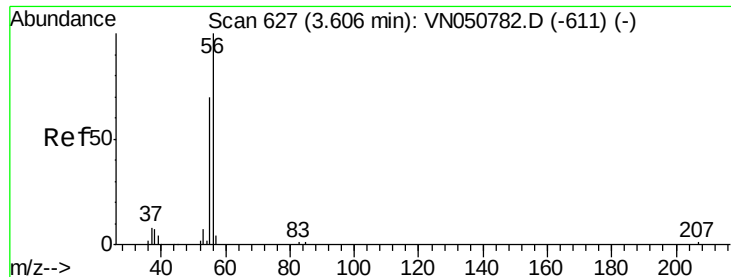


#12

1,1-Dichloroethene
 Concen: 49.27 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 96 Resp: 369436
 Ion Ratio Lower Upper
 96 100
 61 155.4 124.9 187.3
 98 63.6 51.1 76.7





#13

Acrolein

Concen: 205.02 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampled :

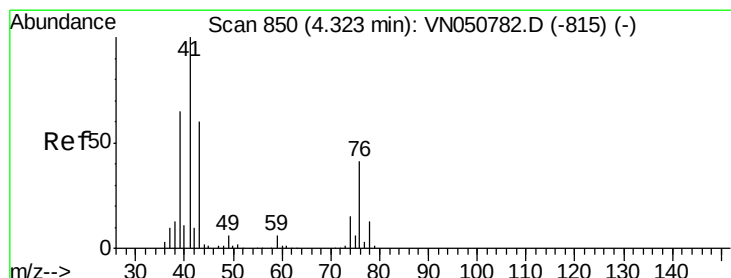
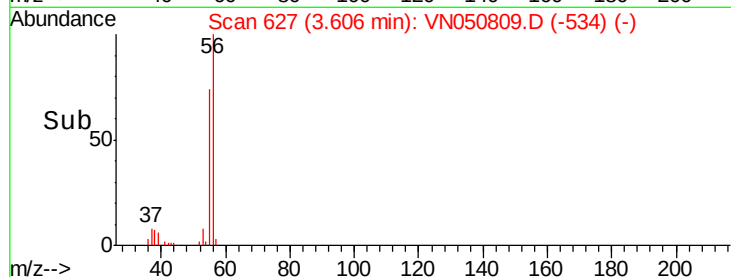
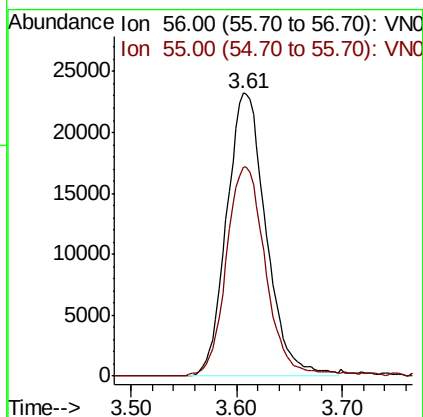
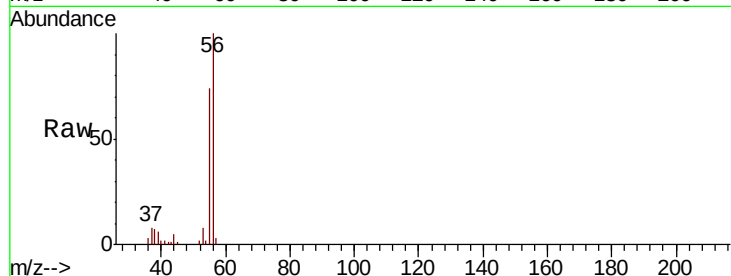
VSTDCCC050

Tot Ion: 56 Resp: 60233

Ion Ratio Lower Upper

56 100

55 73.1 57.7 86.5



#14

Allyl chloride

Concen: 49.13 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

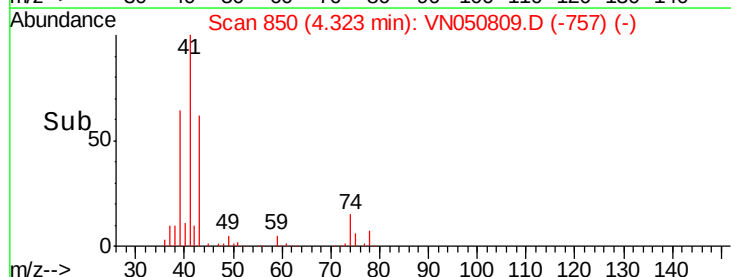
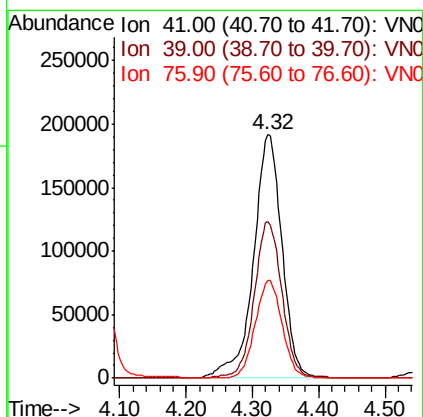
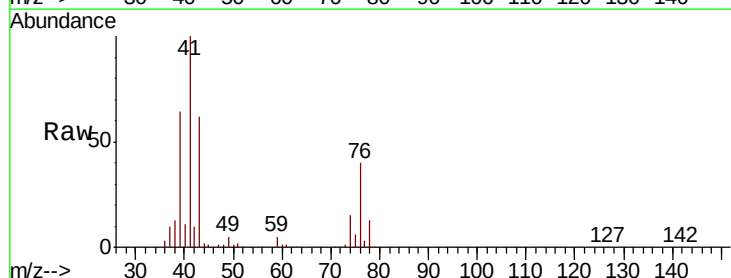
Tgt Ion: 41 Resp: 574003

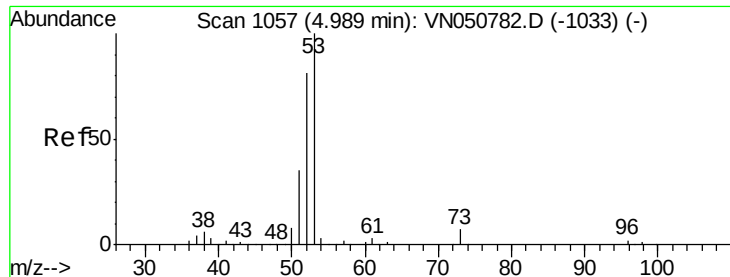
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 244.71 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

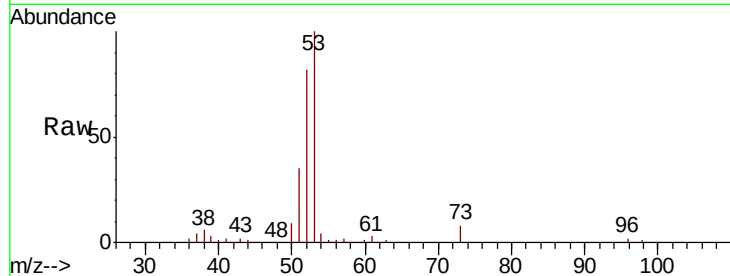
Tot Ion: 53 Resp: 636453

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

51 36.0 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050782.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050782.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050782.D (-1033) (-)

4.99

250000

200000

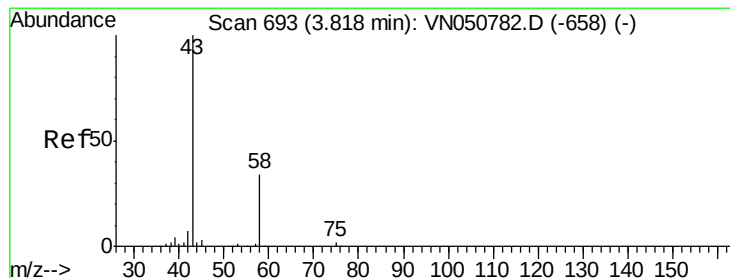
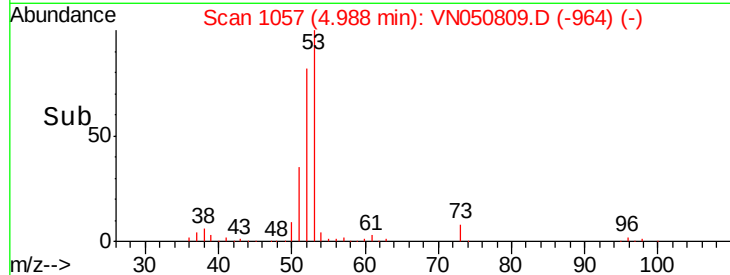
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 266.19 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050809.D

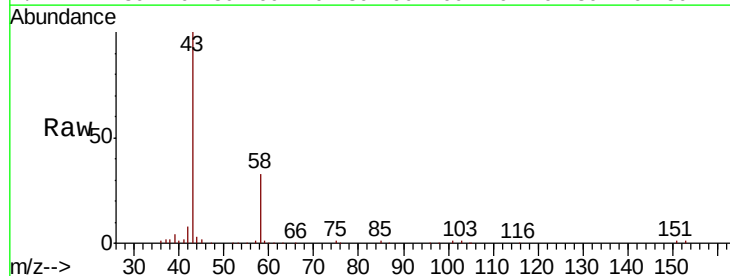
Acq: 22 Aug 2018 10:45

Tgt Ion: 43 Resp: 505720

Ion Ratio Lower Upper

43 100

58 33.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-658) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-658) (-)

3.82

200000

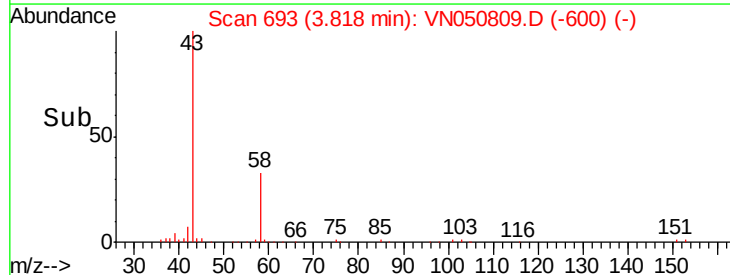
150000

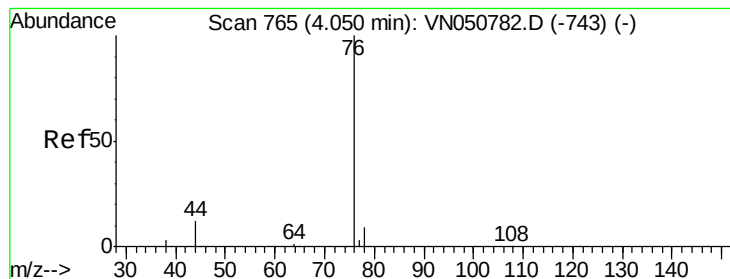
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 46.45 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

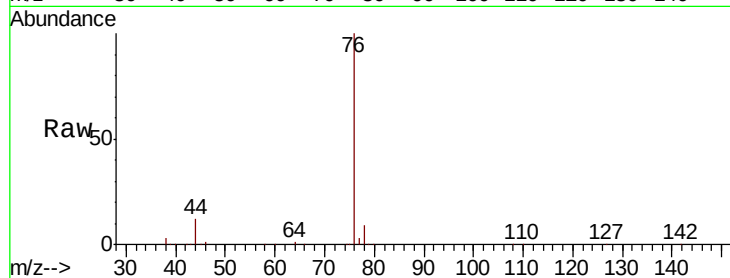
VSTDCCC050

Tot Ion: 76 Resp: 1167434

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050809.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050809.D (-743) (-)

4.05

500000

400000

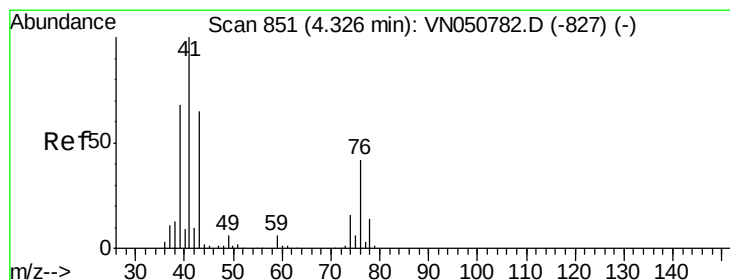
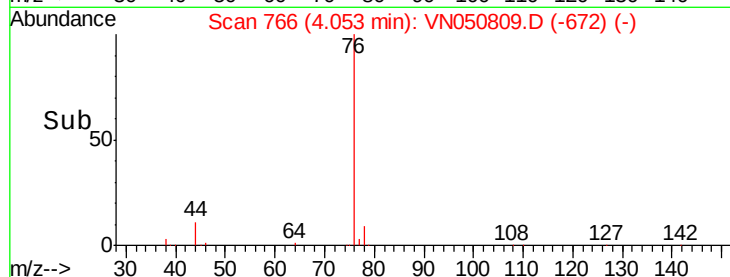
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 45.54 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050809.D

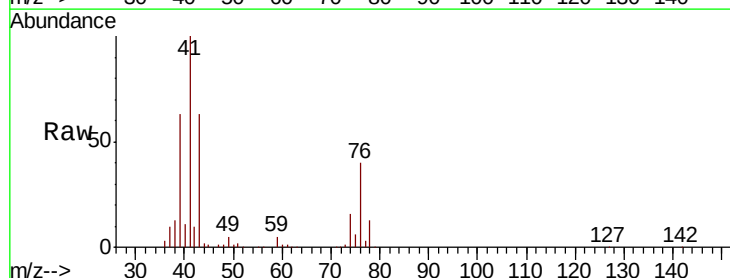
Acq: 22 Aug 2018 10:45

Tgt Ion: 43 Resp: 345604

Ion Ratio Lower Upper

43 100

74 24.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050809.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050809.D (-758) (-)

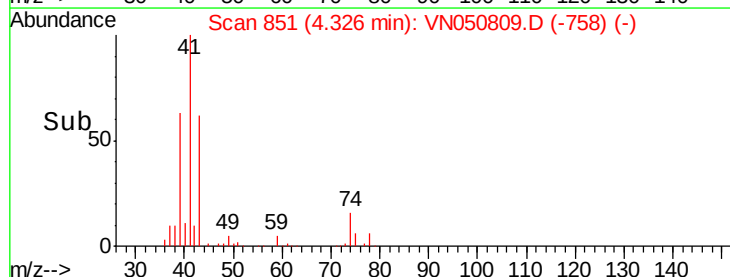
4.33

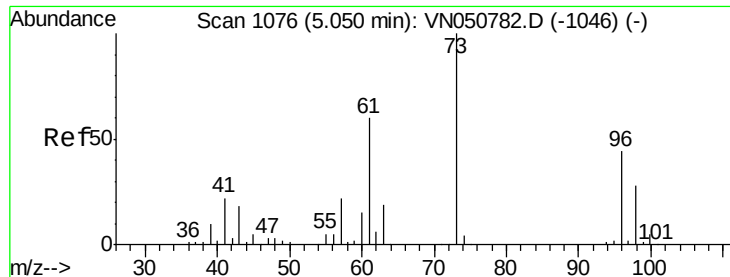
100000

50000

0

Time-->

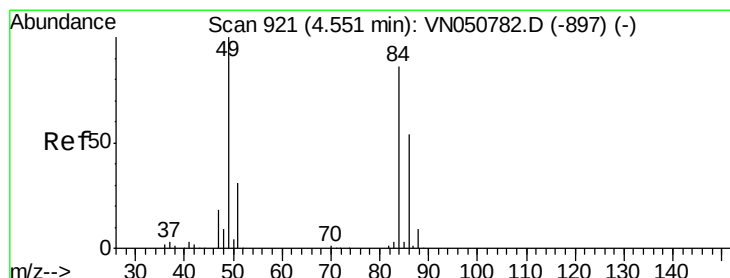
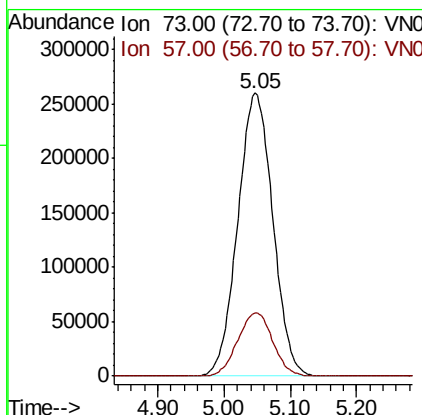
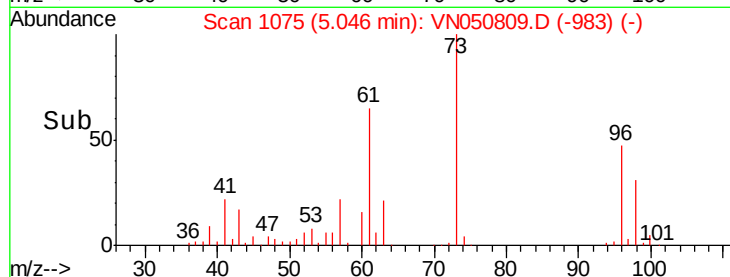
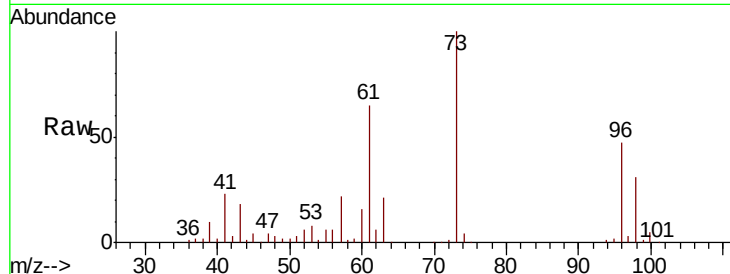




#19
Methyl tert-butyl Ether
Concen: 50.55 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

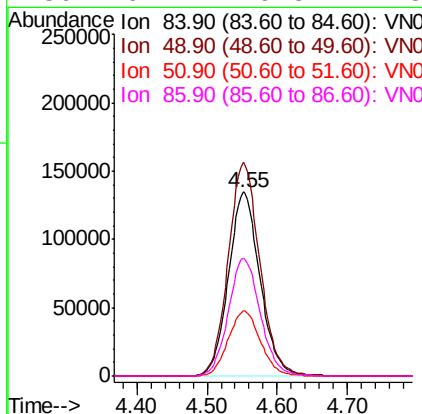
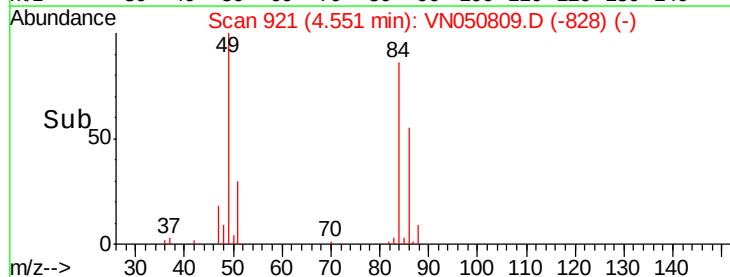
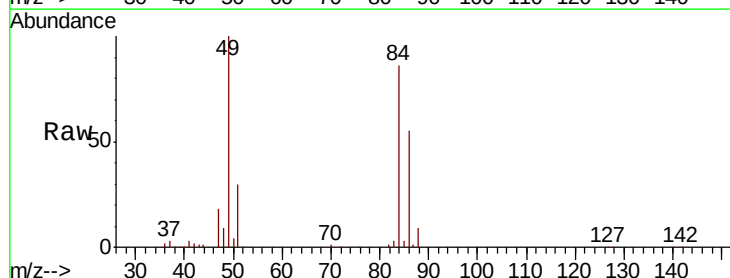
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

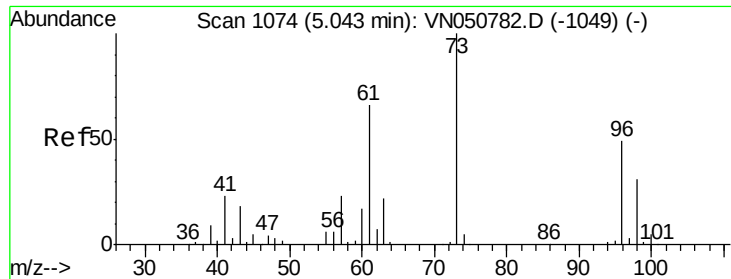
Tot Ion: 73 Resp: 95326
Ion Ratio Lower Upper
73 100
57 22.3 17.8 26.8



#20
Methylene Chloride
Concen: 46.40 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 84 Resp: 420277
Ion Ratio Lower Upper
84 100
49 116.1 93.2 139.8
51 35.2 29.0 43.6
86 64.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.22 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

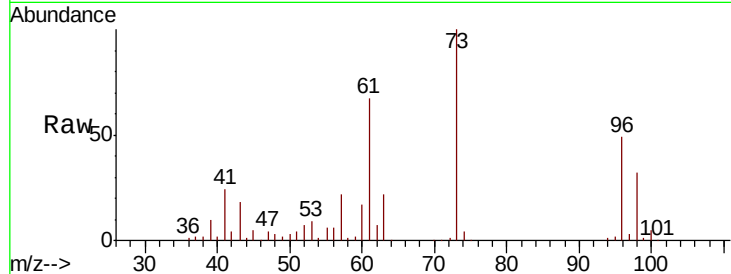
Tot Ion: 96 Resp: 399179

Ion Ratio Lower Upper

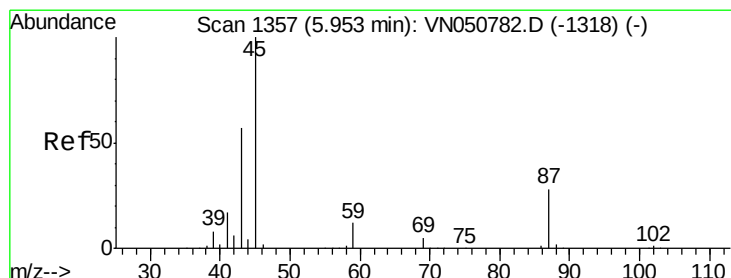
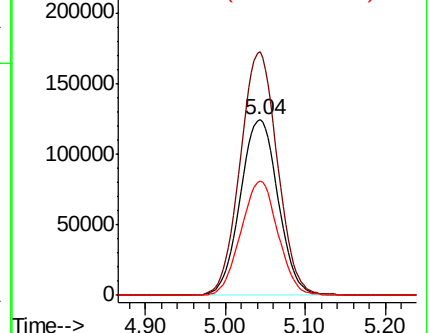
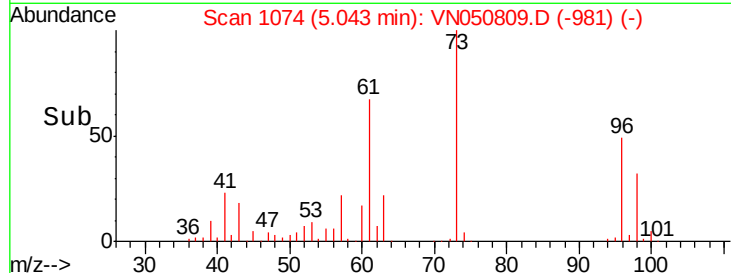
96 100

61 138.6 107.4 161.0

98 65.3 50.7 76.1



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



#22

Diisopropyl ether

Concen: 51.66 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion: 45 Resp: 1202946

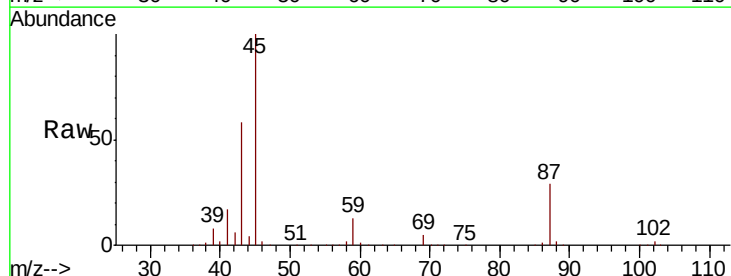
Ion Ratio Lower Upper

45 100

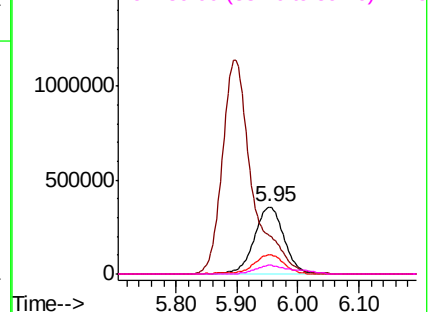
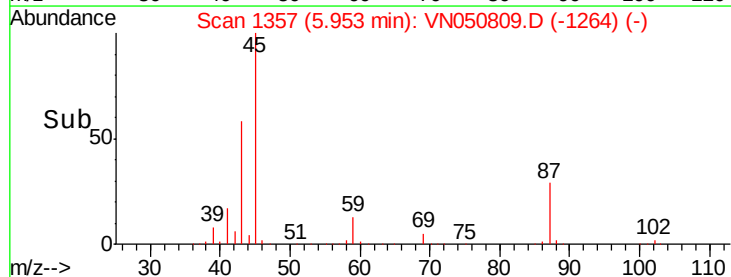
43 57.4 45.9 68.9

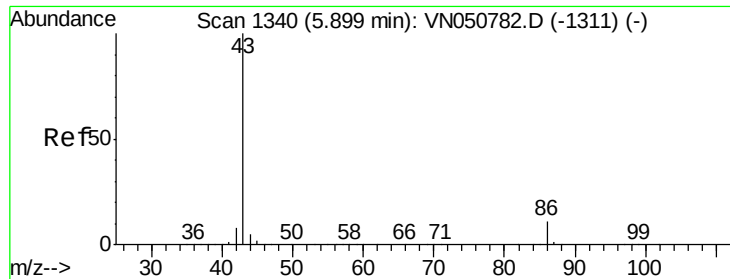
87 28.5 22.7 34.1

59 12.6 9.3 13.9



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

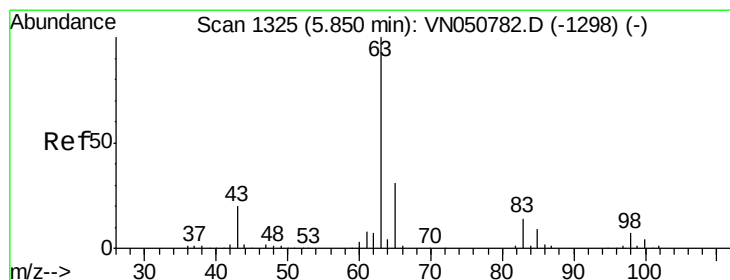
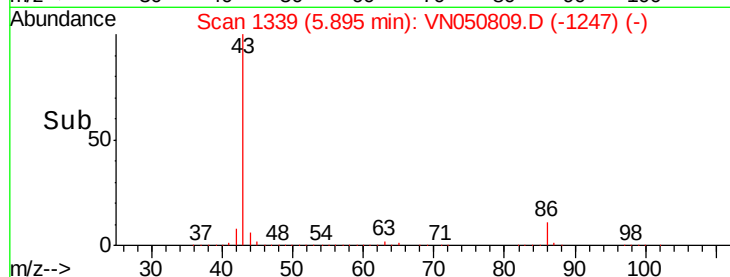
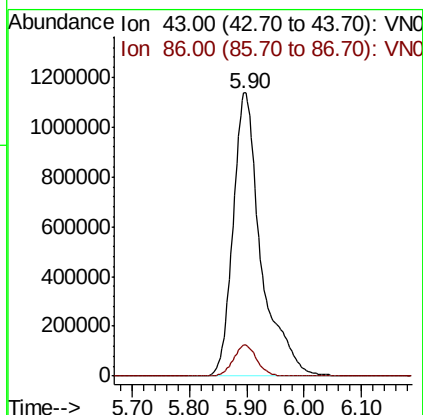
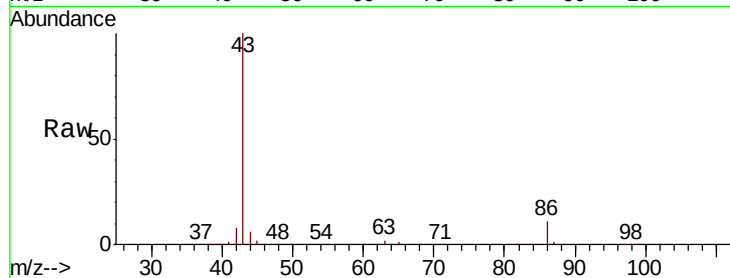




#23
 Vinyl Acetate
 Concen: 257.32 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

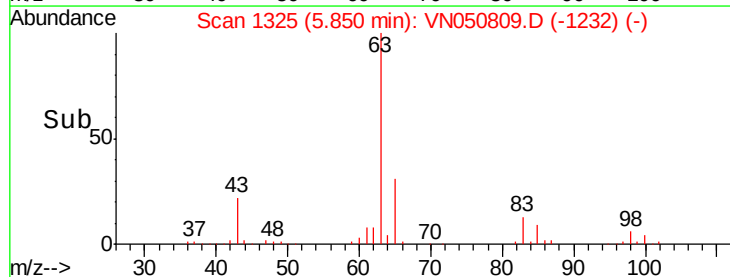
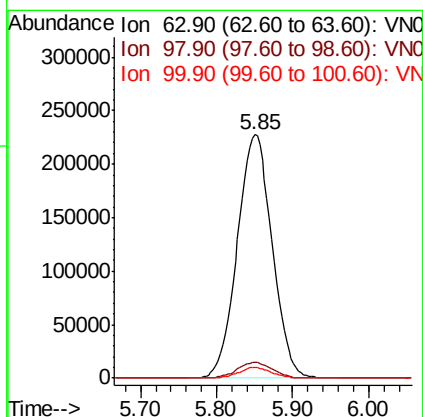
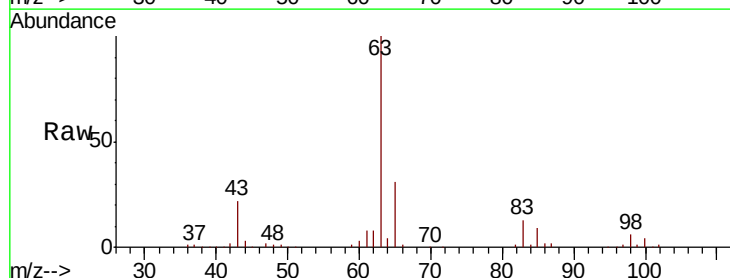
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

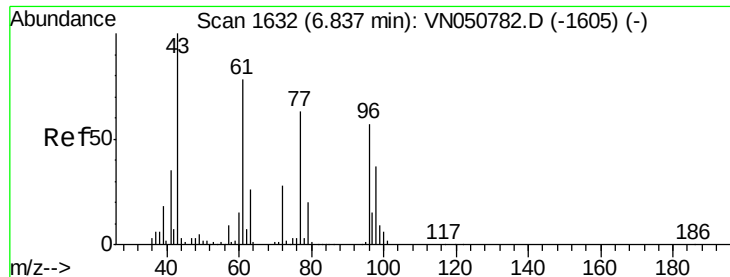
Tot Ion: 43 Resp: 3858518
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 48.49 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 63 Resp: 724861
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.8
 100 4.4 2.1 6.5

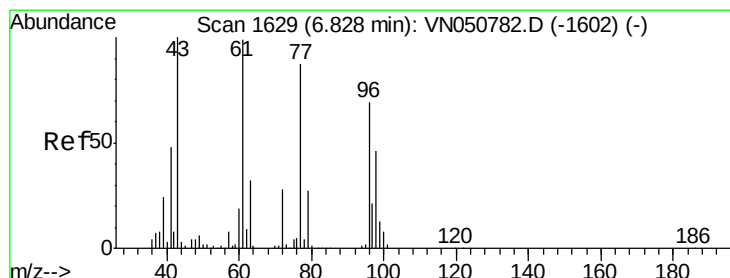
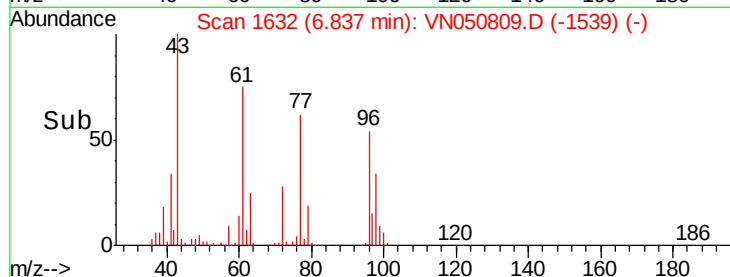
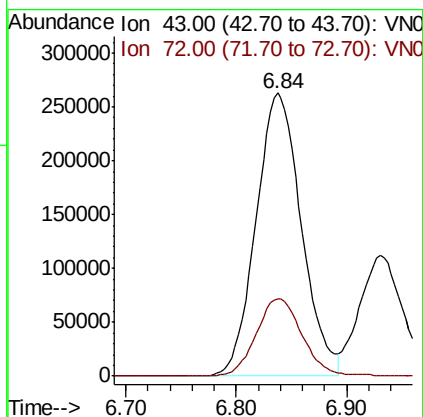
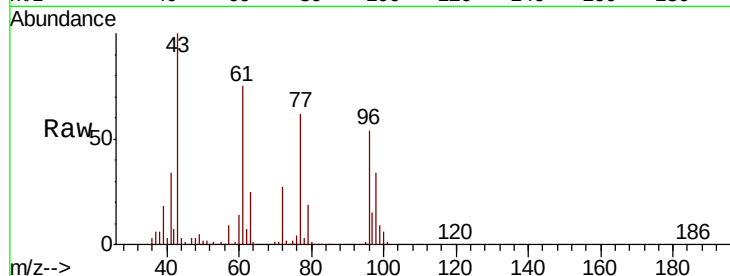




#25
 2-Butanone
 Concen: 230.55 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

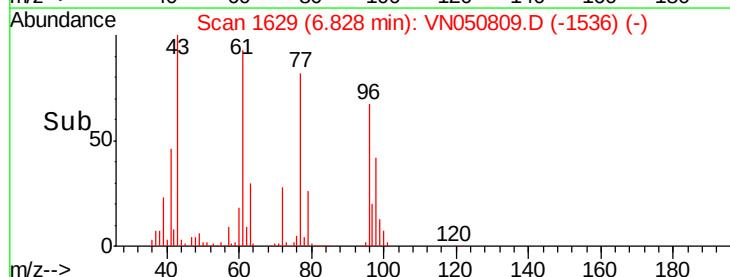
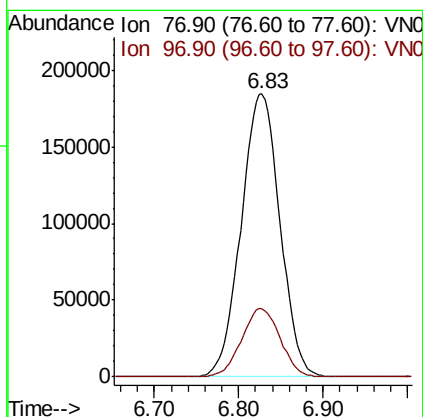
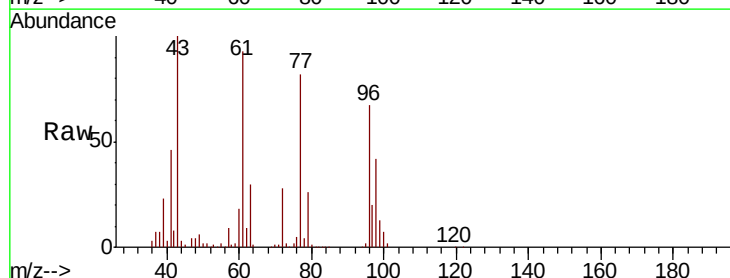
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

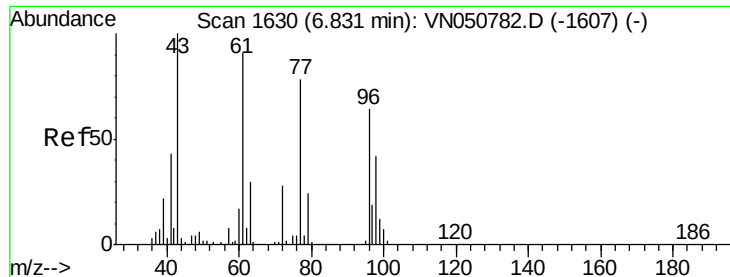
Tot Ion: 43 Resp: 746700
 Ion Ratio Lower Upper
 43 100
 72 27.5 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 49.02 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 77 Resp: 588771
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 49.55 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

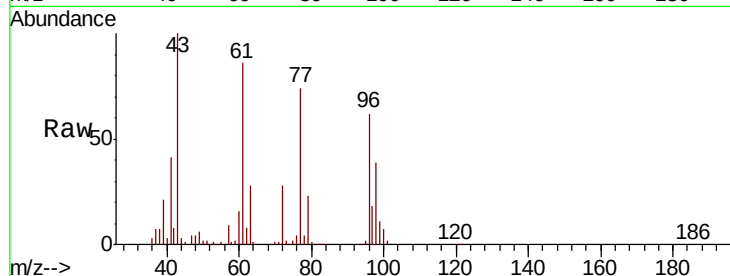
Tot Ion: 96 Resp: 433182

Ion Ratio Lower Upper

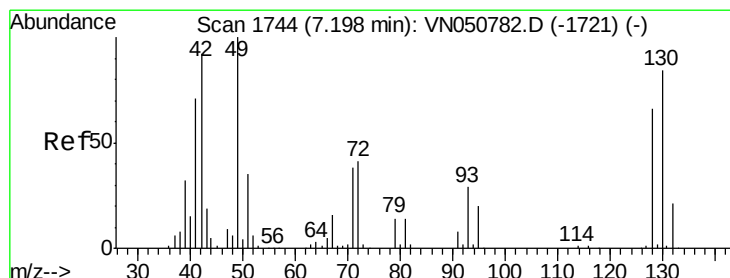
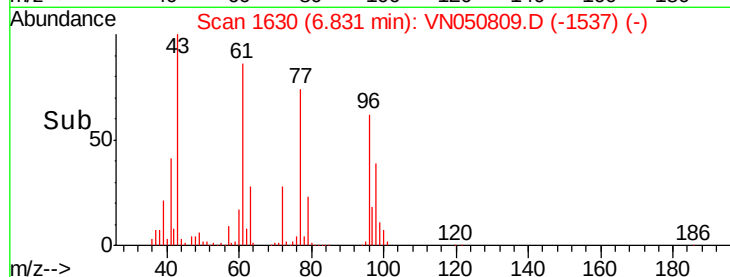
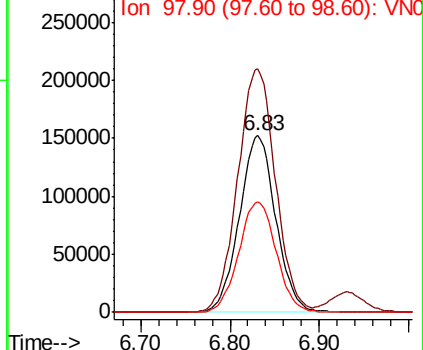
96 100

61 142.4 0.0 283.4

98 64.3 0.0 129.8



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



#28

Bromochloromethane

Concen: 48.95 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

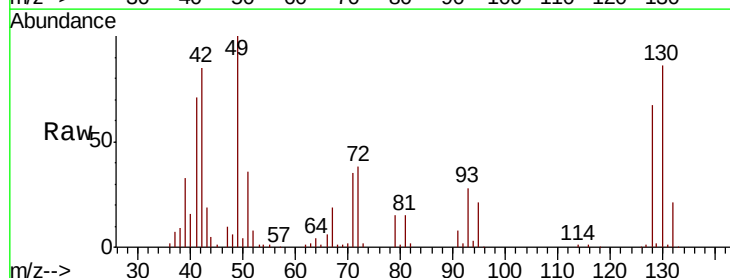
Tgt Ion: 49 Resp: 310950

Ion Ratio Lower Upper

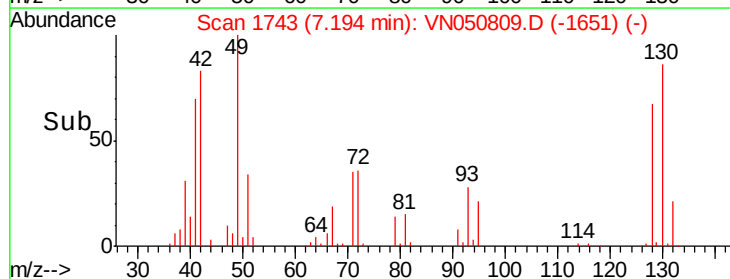
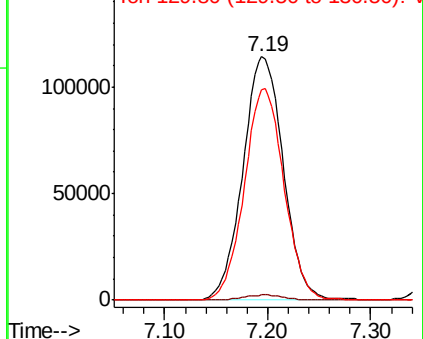
49 100

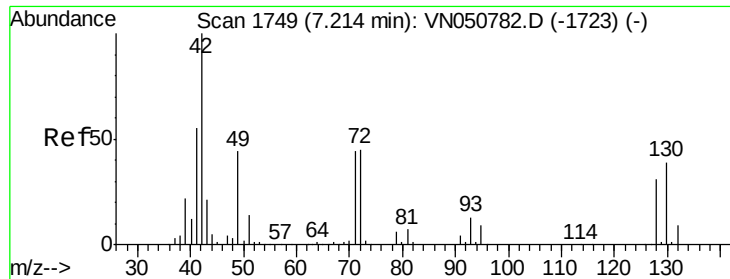
129 2.2 0.0 4.2

130 85.3 67.1 100.7



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

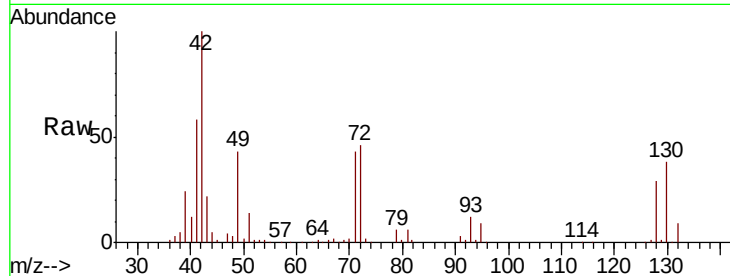




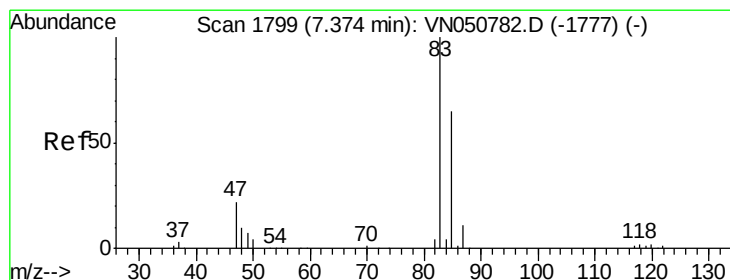
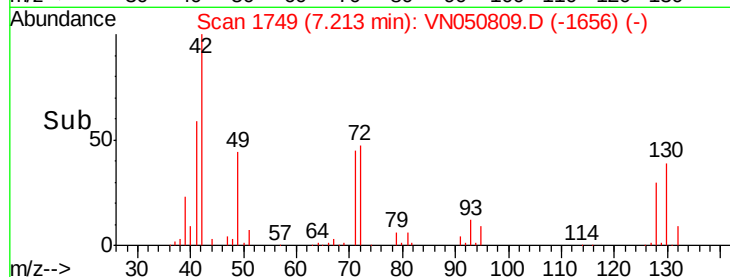
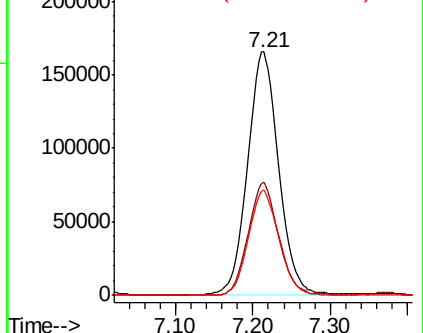
#29
Tetrahydrofuran
Concen: 250.44 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 465048
Ion Ratio Lower Upper
42 100
72 45.4 35.5 53.3
71 42.4 33.7 50.5

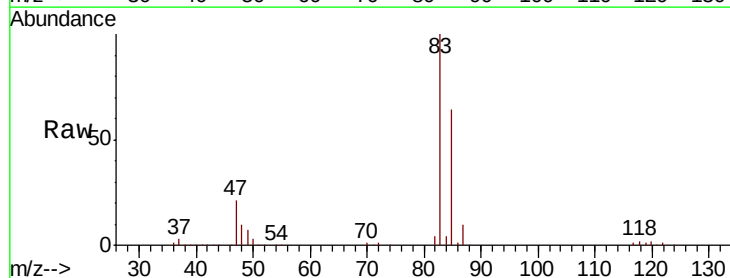


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

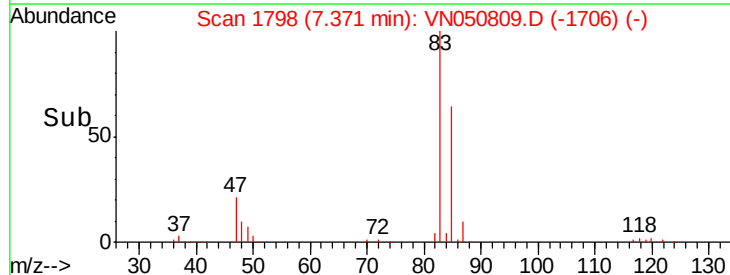
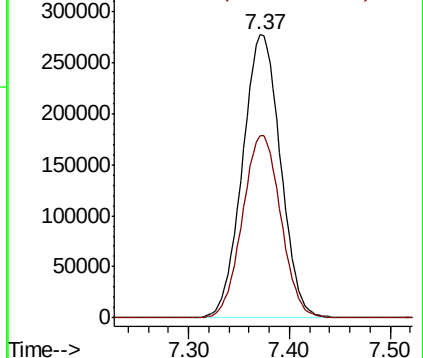


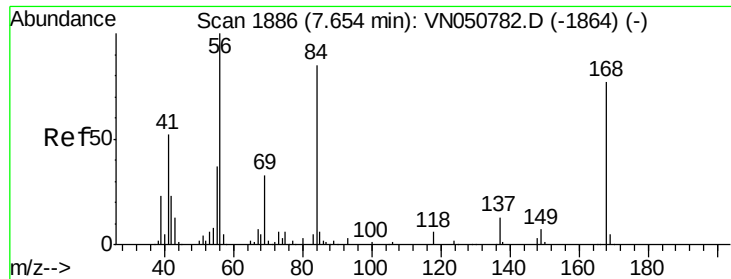
#30
Chloroform
Concen: 48.91 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 83 Resp: 724029
Ion Ratio Lower Upper
83 100
85 64.3 52.2 78.4



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

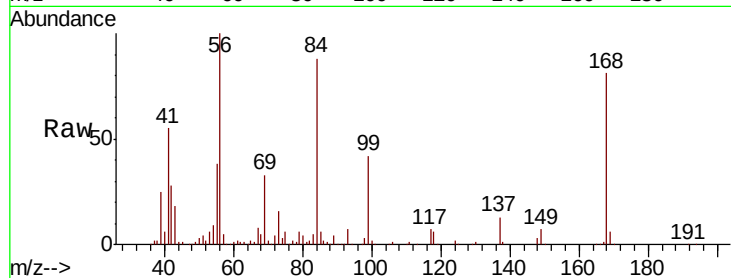




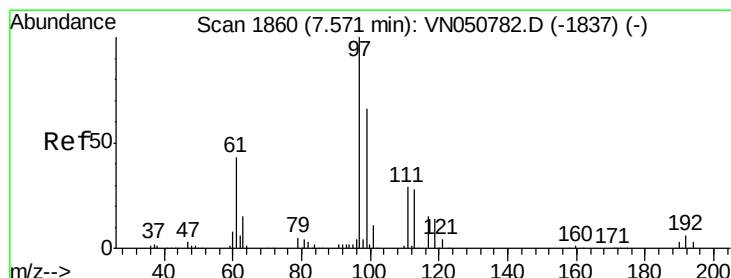
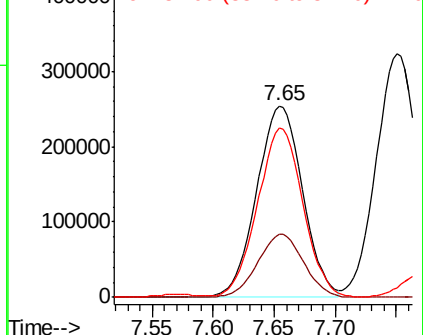
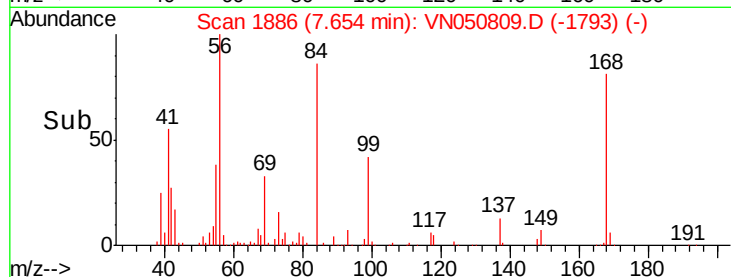
#31
Cyclohexane
Concen: 48.88 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 663885
Ion Ratio Lower Upper
56 100
69 32.9 26.2 39.4
84 86.9 68.3 102.5

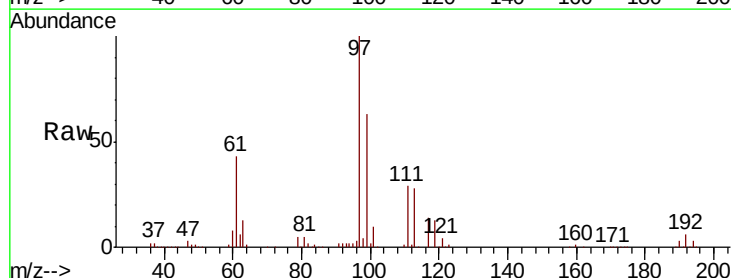


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

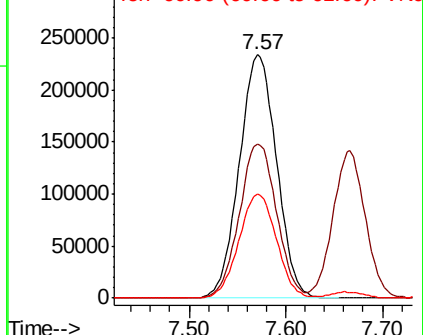
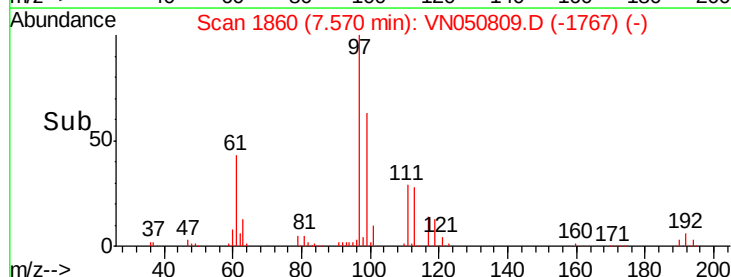


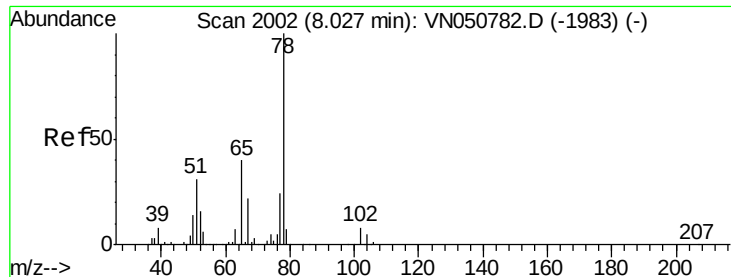
#32
1,1,1-Trichloroethane
Concen: 49.32 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 97 Resp: 627077
Ion Ratio Lower Upper
97 100
99 63.4 51.8 77.6
61 43.1 34.9 52.3



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

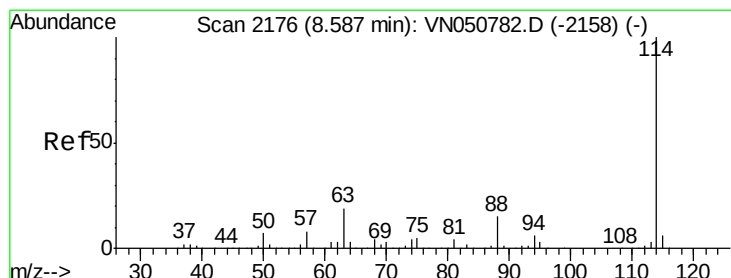
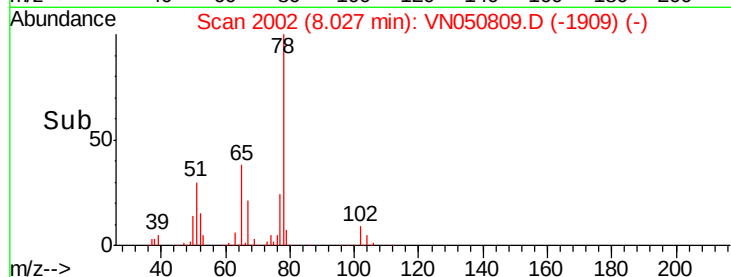
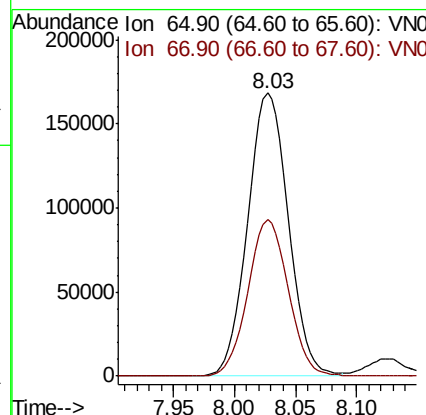
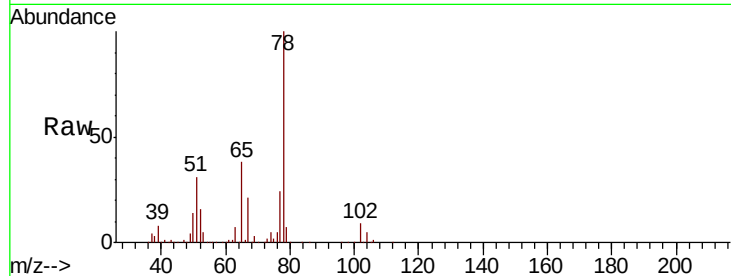




#33
 1,2-Dichloroethane-d4
 Concen: 48.27 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

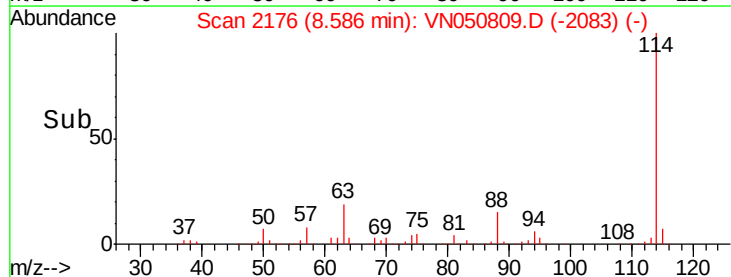
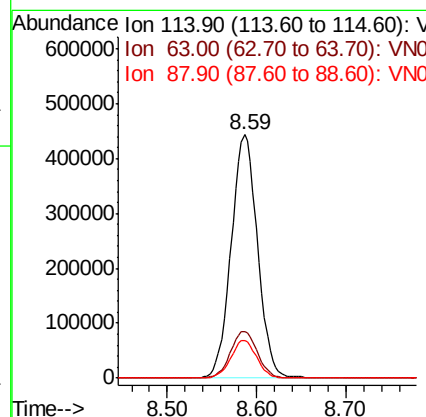
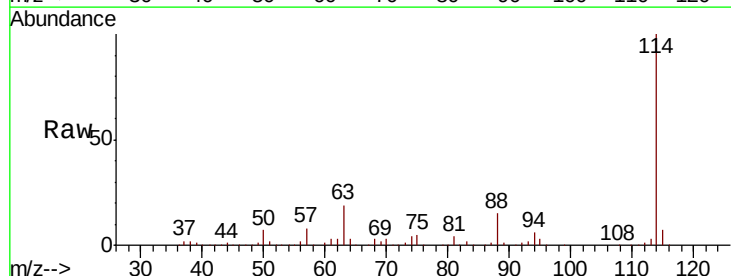
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

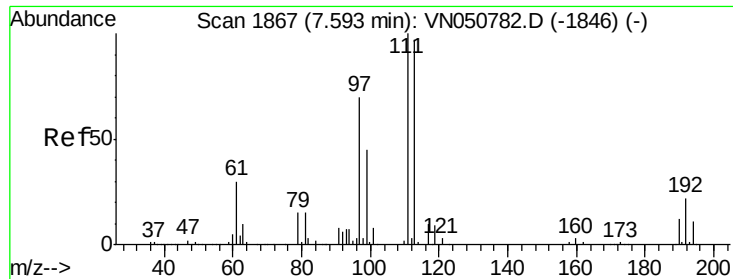
Tot Ion: 65 Resp: 387948
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 114 Resp: 906765
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.4 0.0 30.6

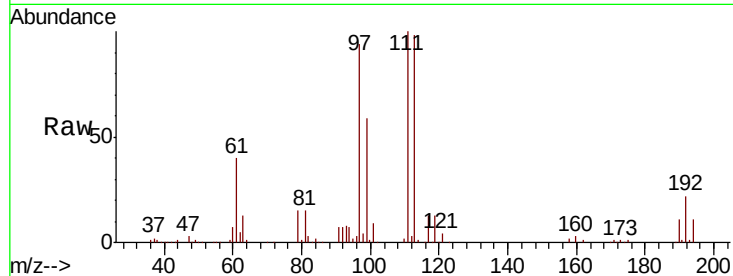




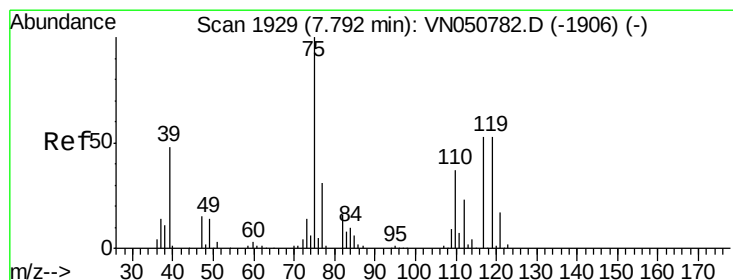
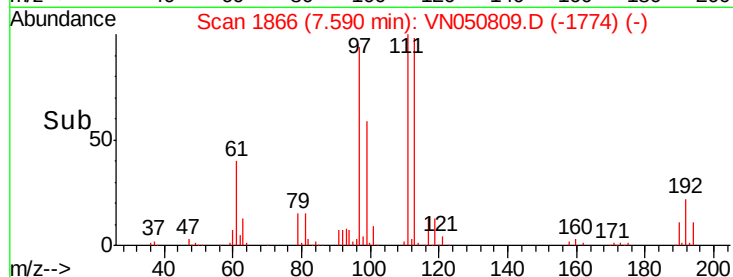
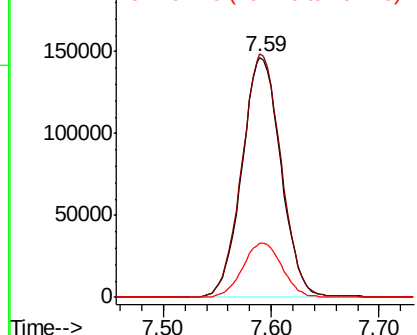
#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 366416
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 23.0 18.0 27.0

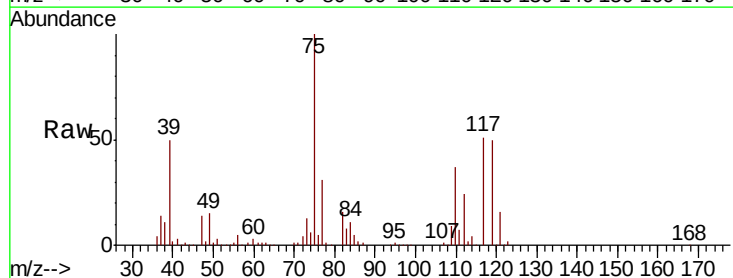


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

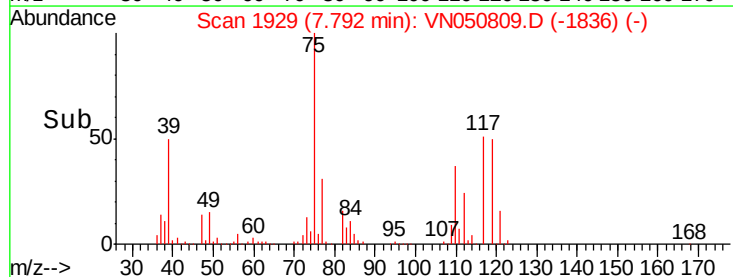
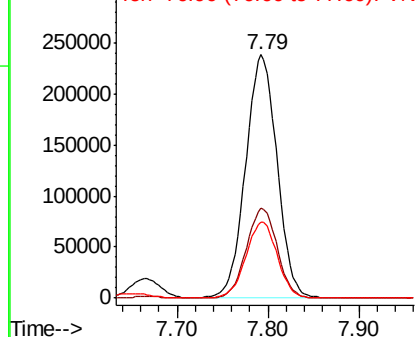


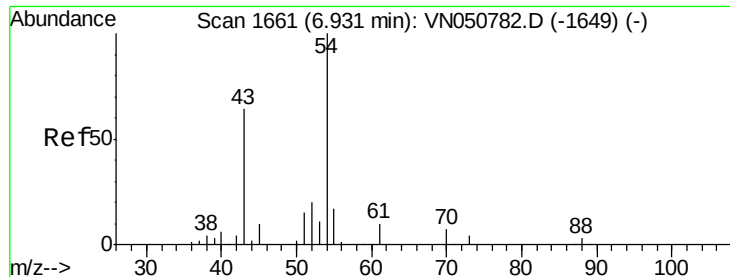
#36
 1,1-Dichloropropene
 Concen: 53.37 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 75 Resp: 571046
 Ion Ratio Lower Upper
 75 100
 110 36.4 18.1 54.4
 77 31.6 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

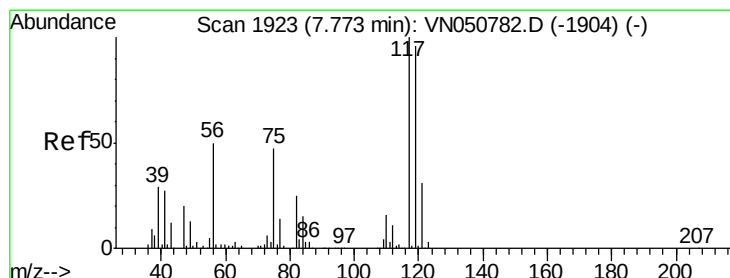
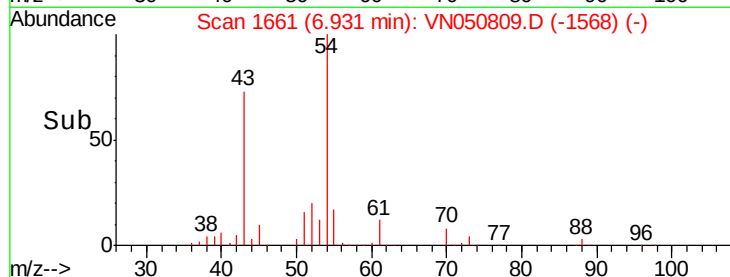
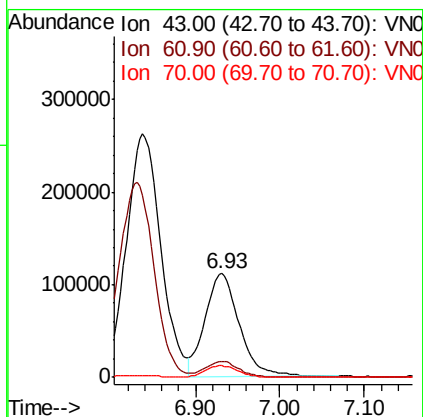
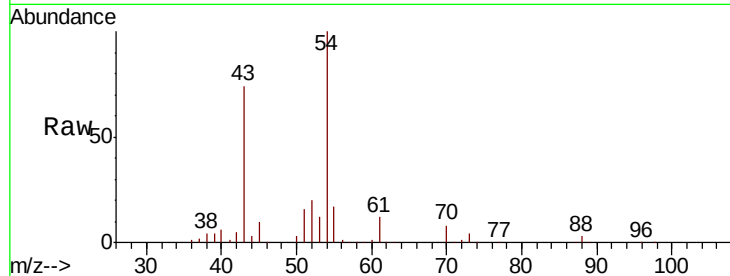




#37
Ethyl Acetate
Concen: 51.19 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

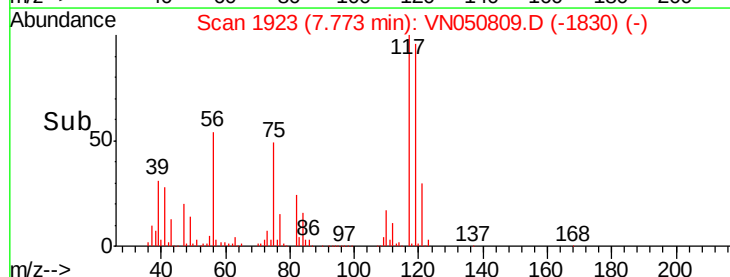
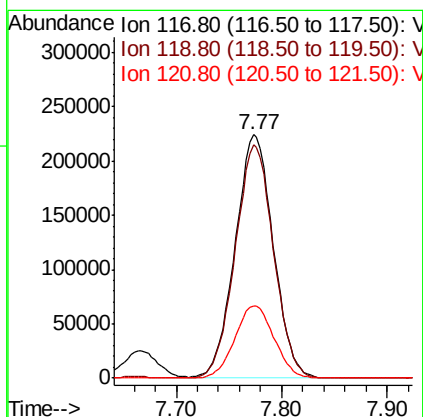
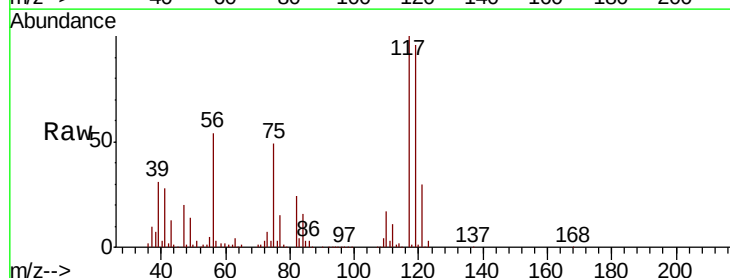
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

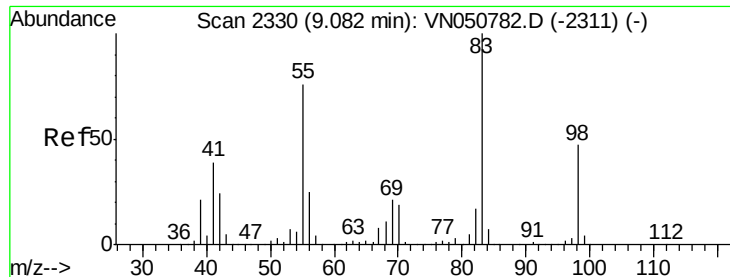
Tot Ion: 43 Resp: 314652
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 11.0 8.6 13.0



#38
Carbon Tetrachloride
Concen: 51.98 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 117 Resp: 562235
Ion Ratio Lower Upper
117 100
119 95.6 76.3 114.5
121 29.8 24.6 36.8

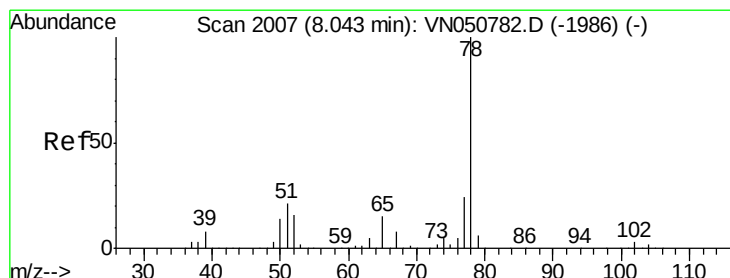
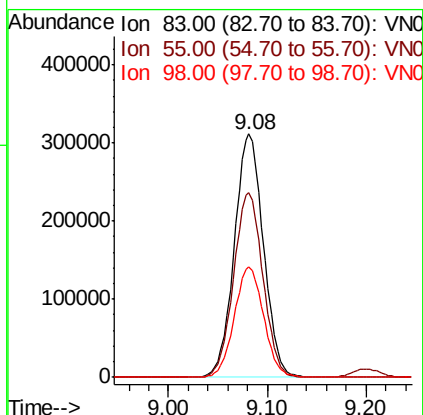
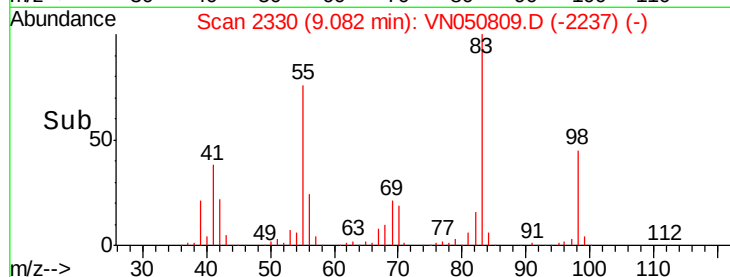
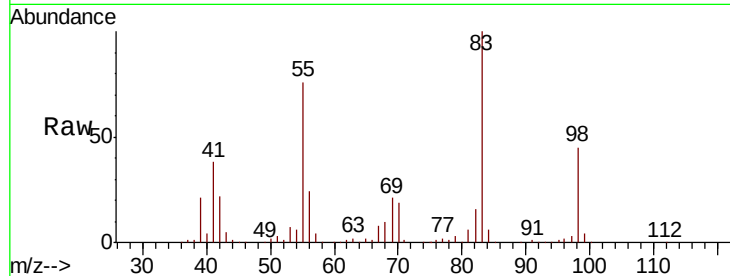




#39
Methylvlcyclohexane
Concen: 54.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

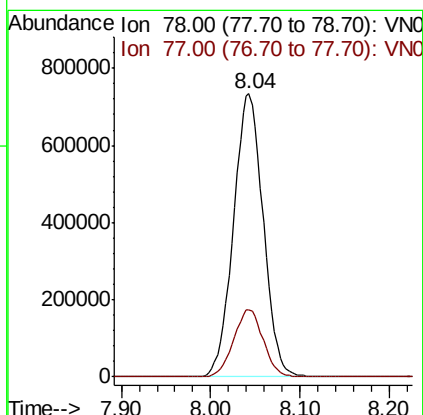
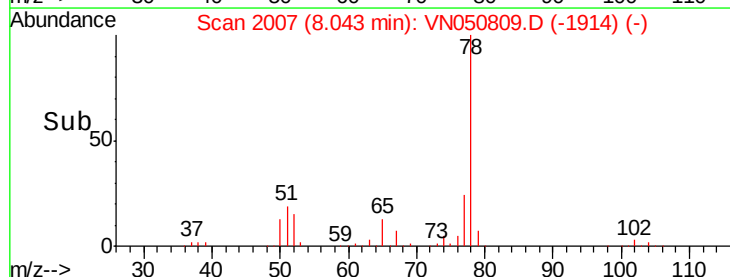
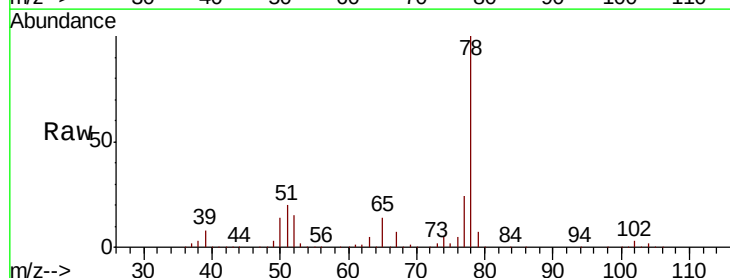
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

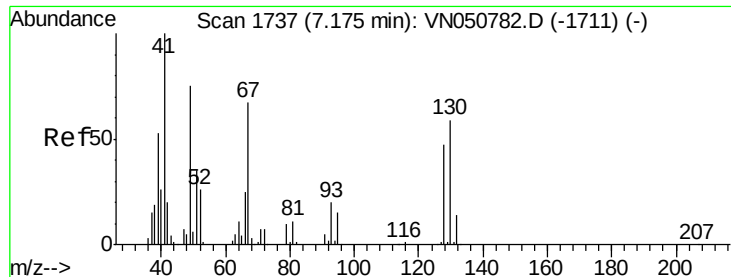
Tot Ion: 83 Resp: 636102
Ion Ratio Lower Upper
83 100
55 76.0 61.0 91.4
98 45.4 37.5 56.3



#40
Benzene
Concen: 52.53 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 78 Resp: 1694927
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.4

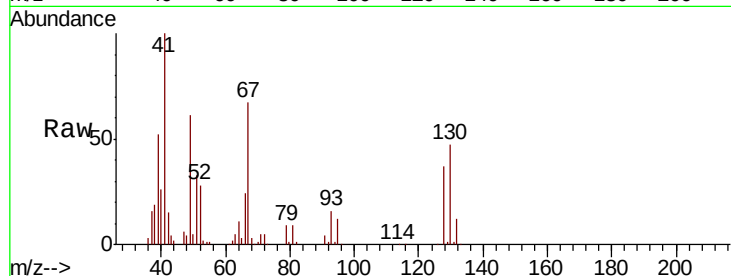




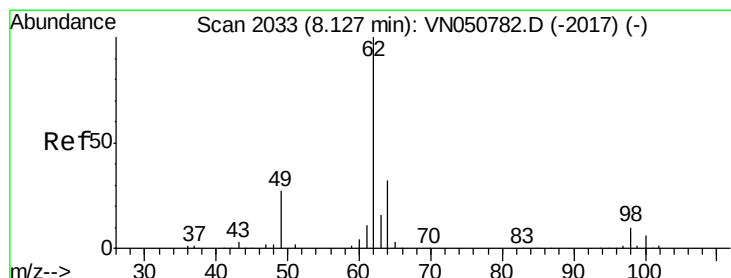
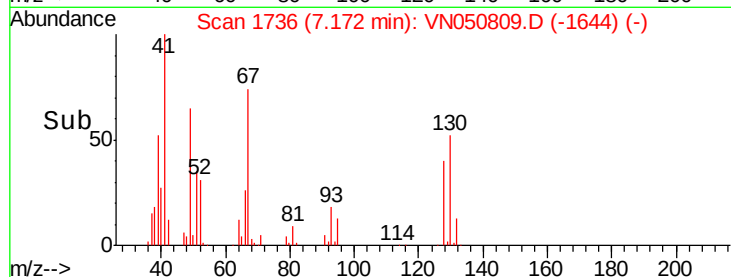
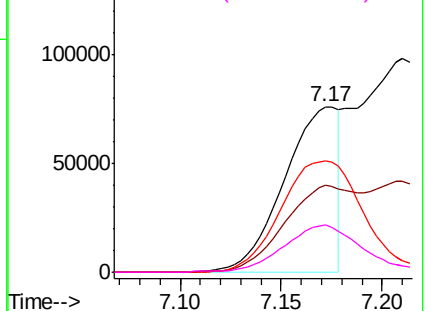
#41
Methacrylonitrile
Concen: 42.36 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 140903
Ion Ratio Lower Upper
41 100
39 72.6 45.4 68.0#
67 103.8 70.6 106.0
52 40.2 27.1 40.7

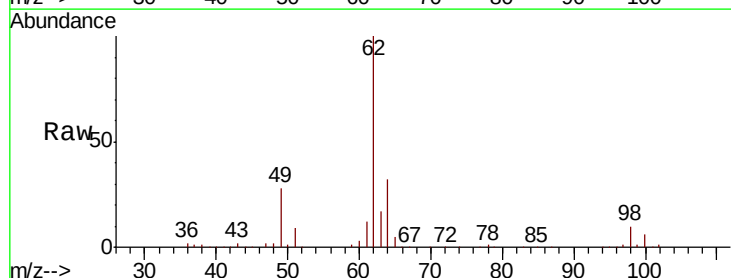


Abundance Ion 41.00 (40.70 to 41.70): VN0
150000 Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

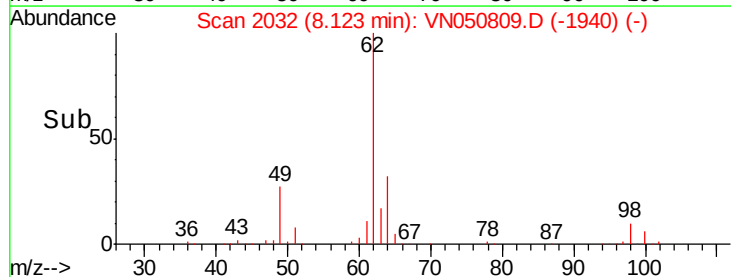
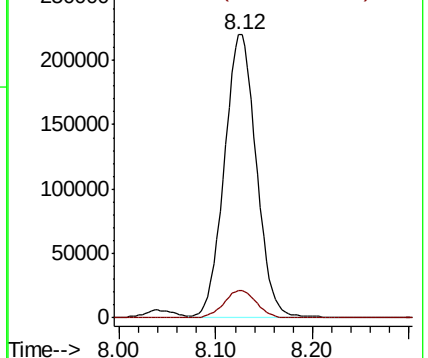


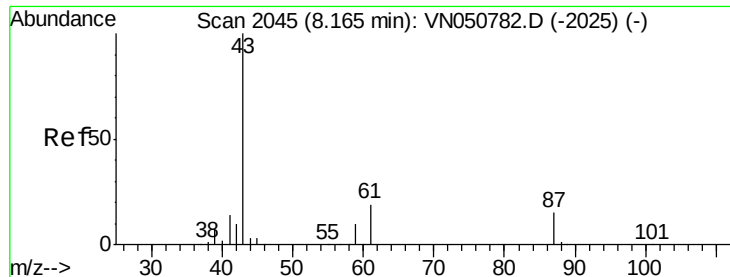
#42
1,2-Dichloroethane
Concen: 52.15 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 62 Resp: 503059
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
250000 Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.94 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

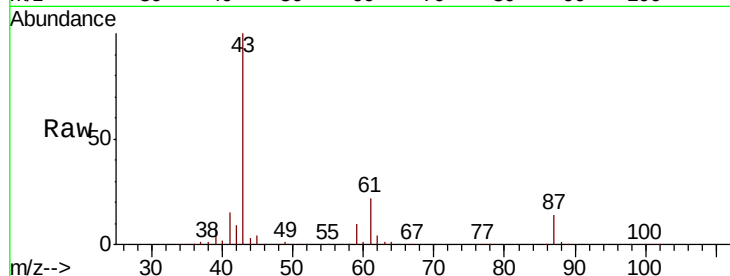
Tot Ion: 43 Resp: 559473

Ion Ratio Lower Upper

43 100

61 21.1 17.5 26.3

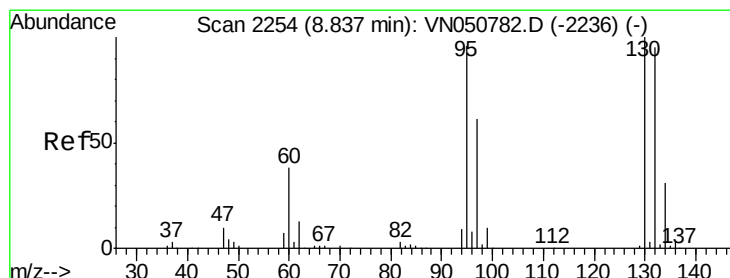
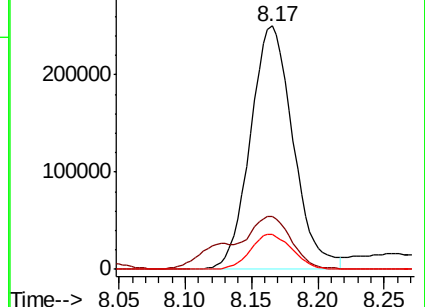
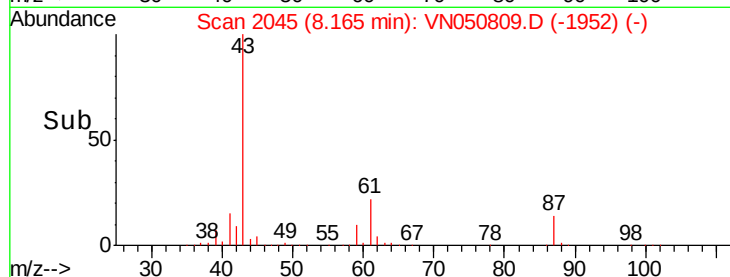
87 14.1 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)



#44

Trichloroethene

Concen: 52.18 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050809.D

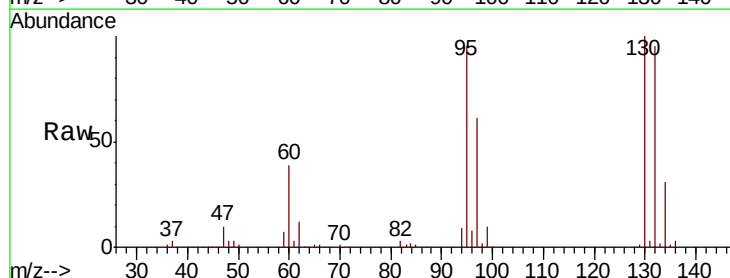
Acq: 22 Aug 2018 10:45

Tgt Ion:130 Resp: 444012

Ion Ratio Lower Upper

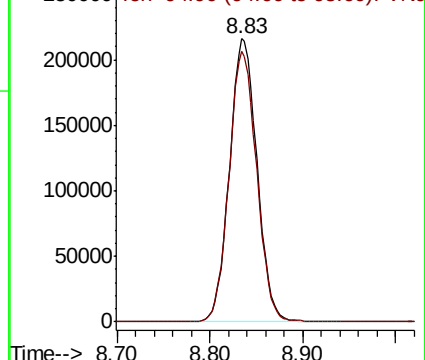
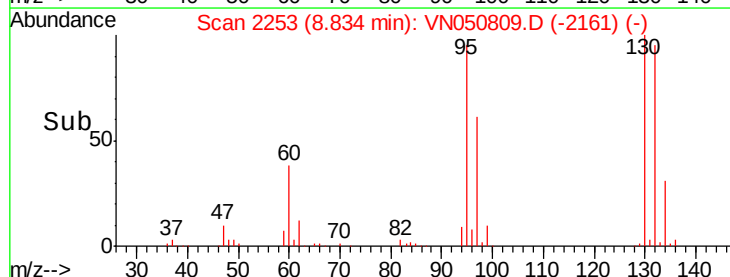
130 100

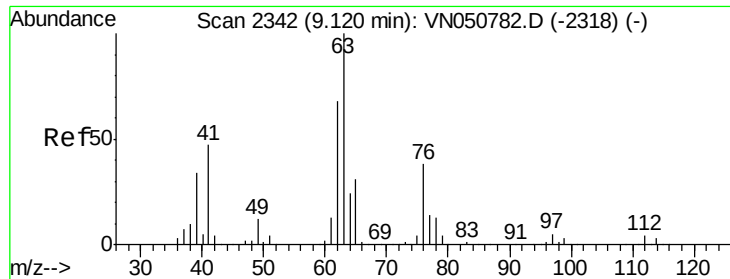
95 95.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)

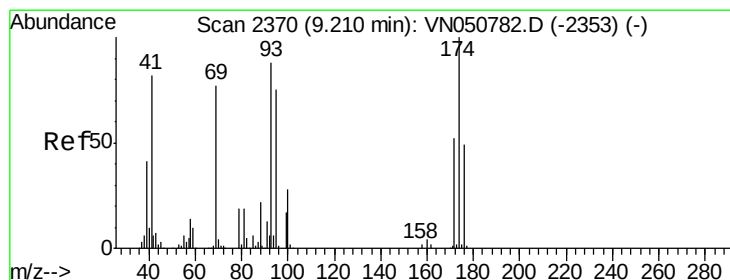
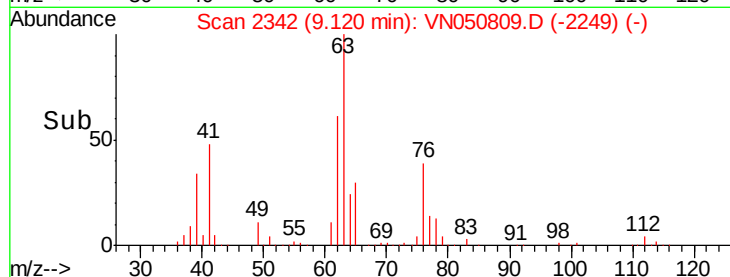
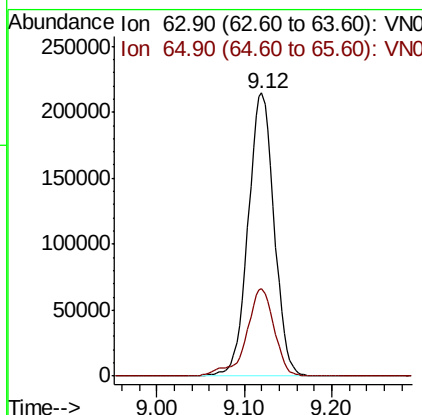
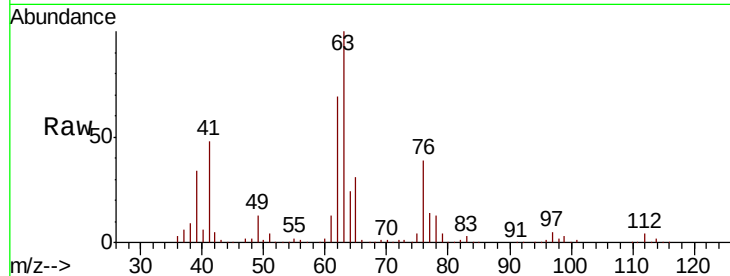




#45
 1,2-Dichloropropane
 Concen: 52.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

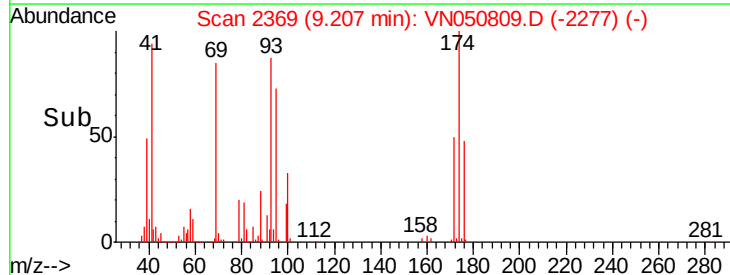
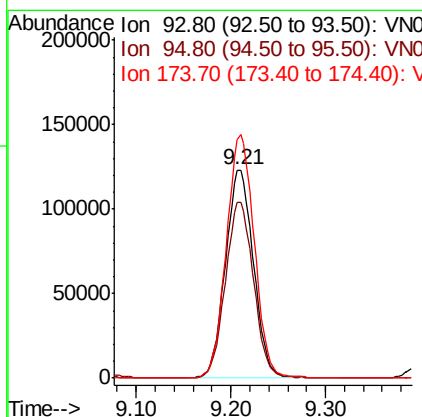
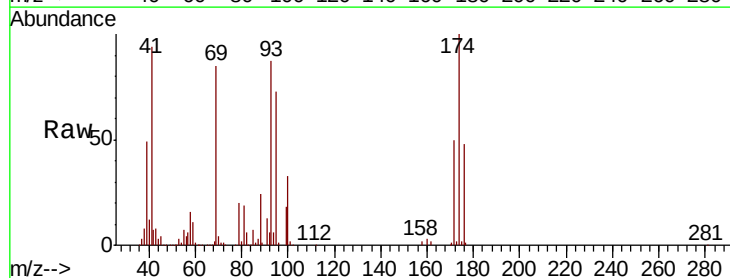
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

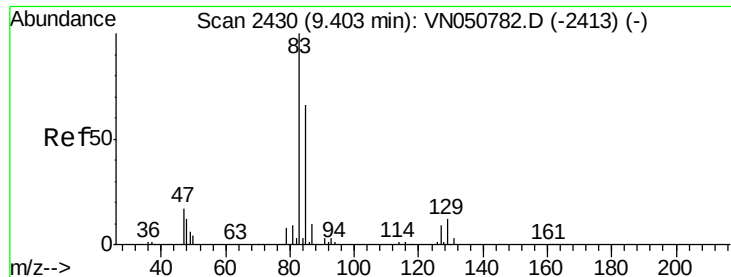
Tot Ion: 63 Resp: 442592
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 51.18 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 93 Resp: 255009
 Ion Ratio Lower Upper
 93 100
 95 84.4 66.7 100.1
 174 115.7 89.8 134.6





#47

Bromodichloromethane

Concen: 52.65 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

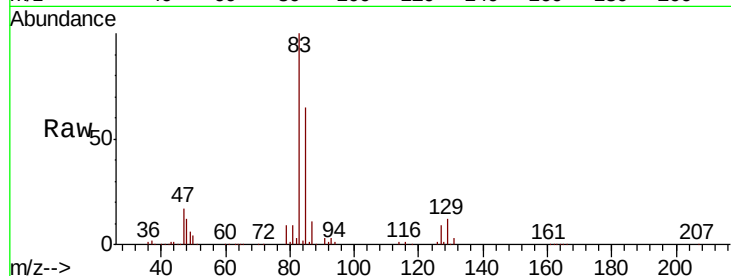
Tot Ion: 83 Resp: 549512

Ion Ratio Lower Upper

83 100

85 64.8 52.6 78.8

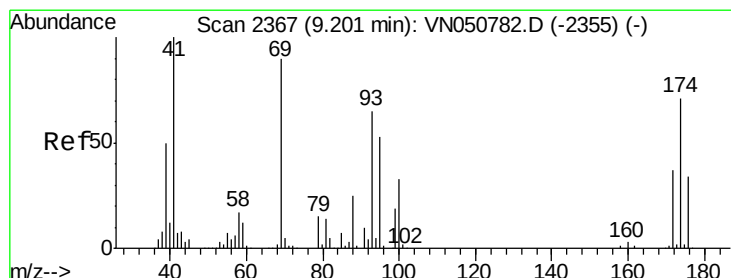
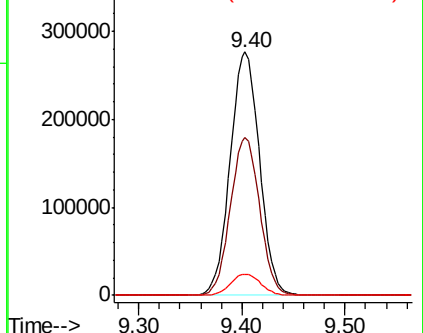
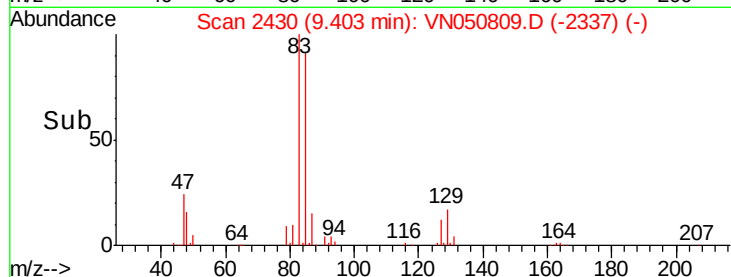
127 8.7 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050809.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050809.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050809.D (-2337) (-)



#48

Methyl methacrylate

Concen: 52.44 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

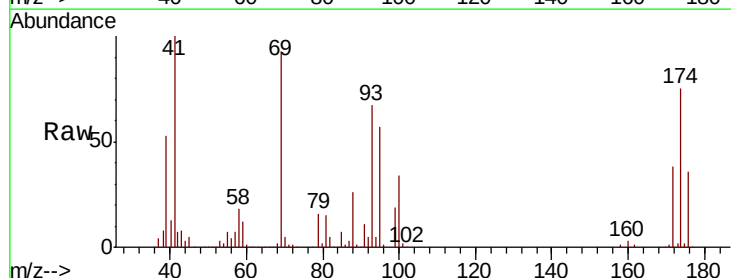
Tgt Ion: 41 Resp: 282417

Ion Ratio Lower Upper

41 100

69 95.8 74.7 112.1

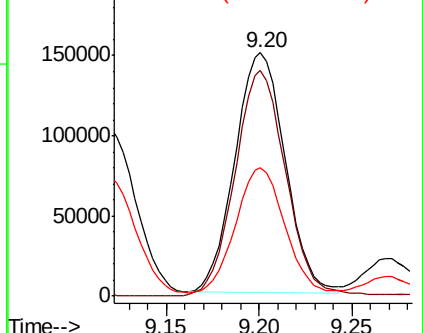
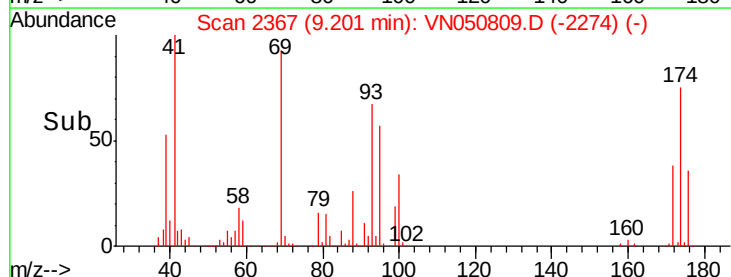
39 53.2 42.2 63.2

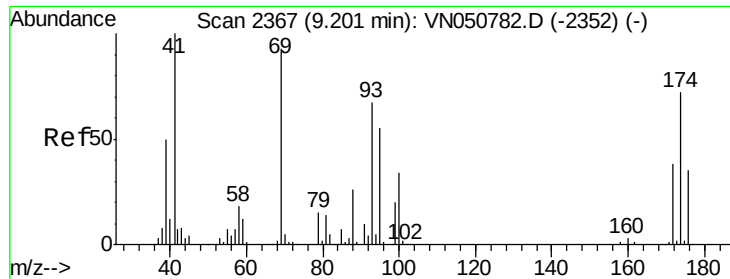


Abundance Ion 41.00 (40.70 to 41.70): VN050809.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050809.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050809.D (-2274) (-)





#49

1,4-Dioxane

Concen: 1061.67 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

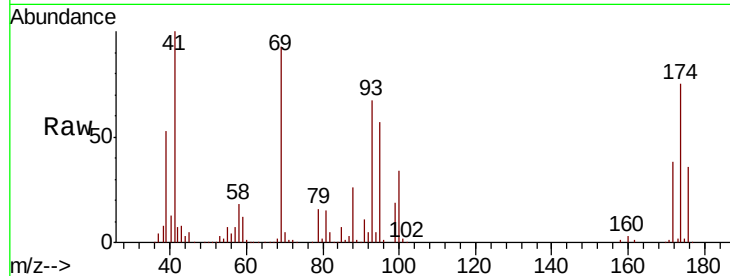
Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 77951

Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.9	38.9
58	69.4	55.0	82.4

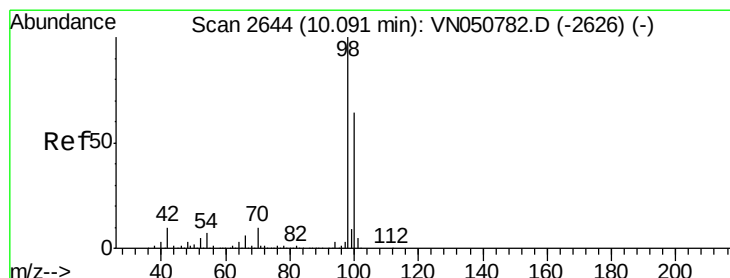
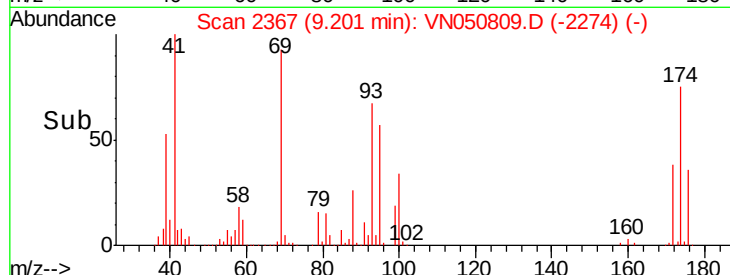
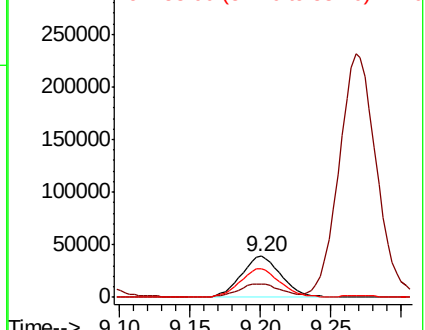


Abundance

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: 52.45 ug/l

RT: 10.09 min Scan# 2644

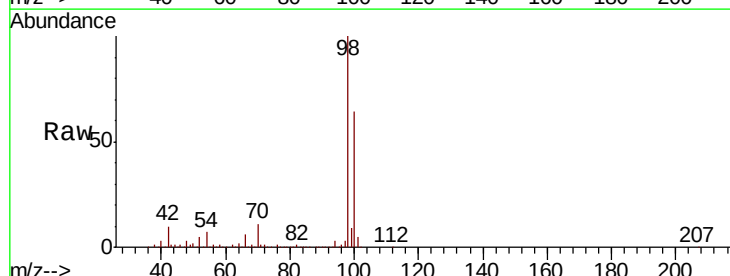
Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion: 98 Resp: 1414494

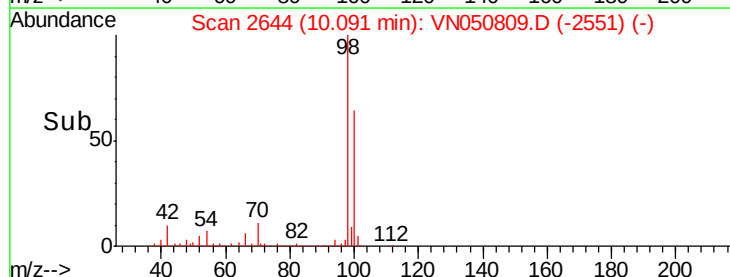
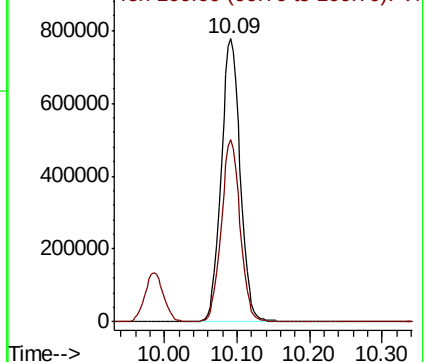
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.5	77.3

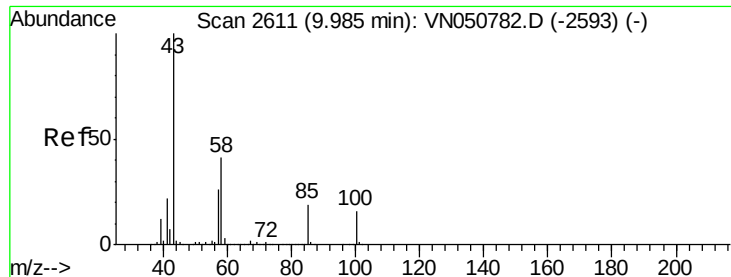


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

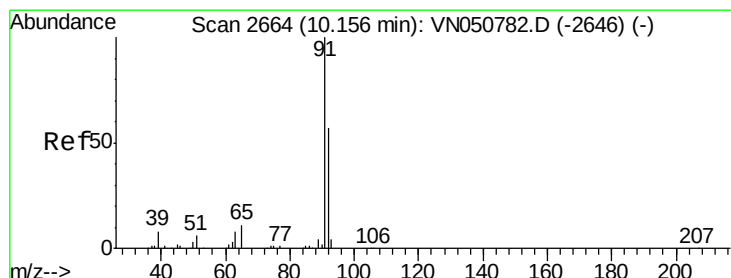
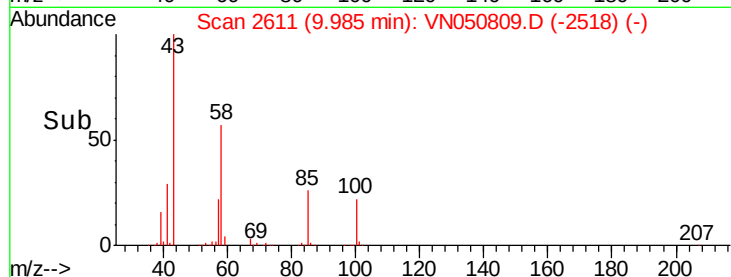
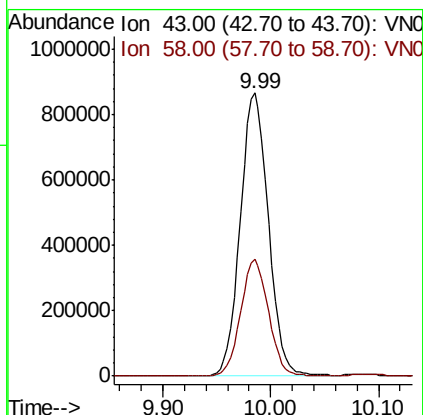
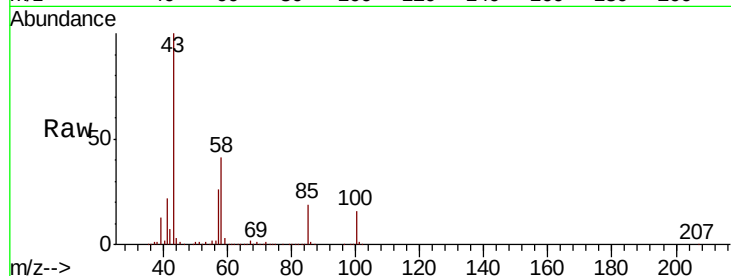




#51
4-Methyl-2-Pentanone
Concen: 249.06 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

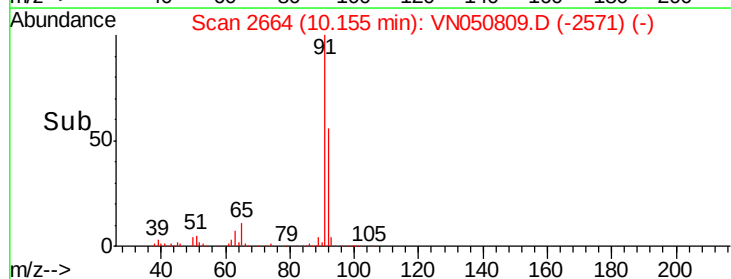
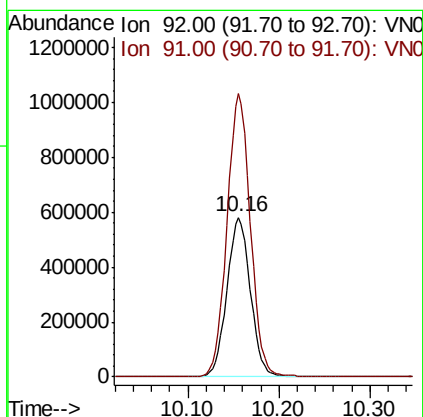
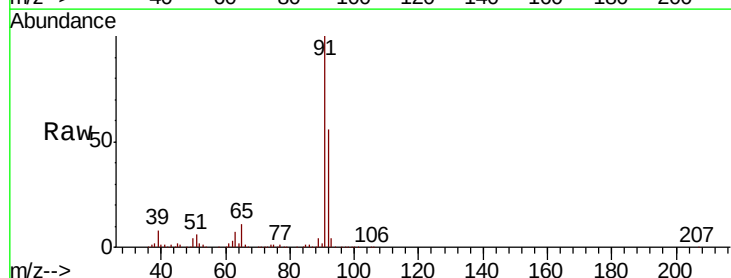
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

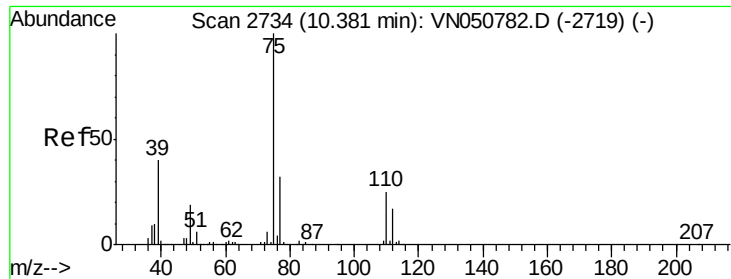
Tot Ion: 43 Resp: 1570707
Ion Ratio Lower Upper
43 100
58 40.9 32.4 48.6



#52
Toluene
Concen: 54.47 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 92 Resp: 1041130
Ion Ratio Lower Upper
92 100
91 176.8 140.6 211.0

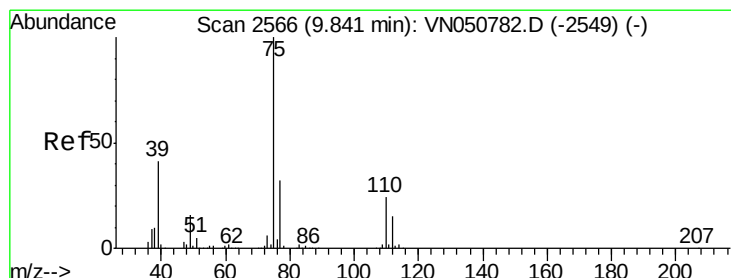
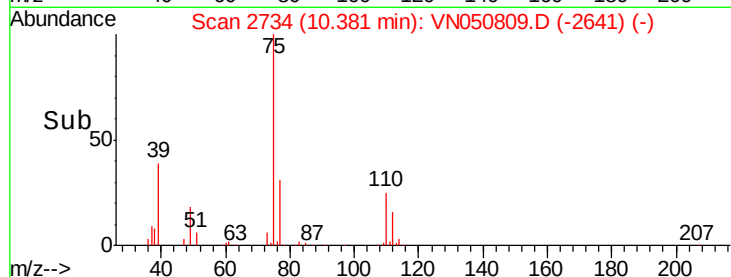
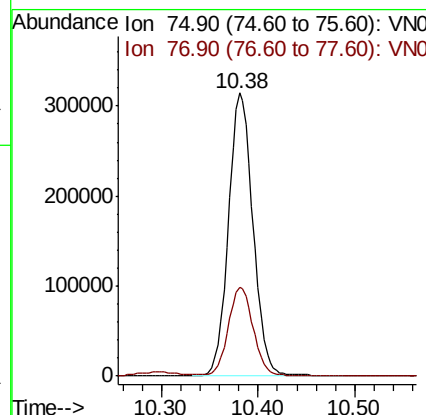
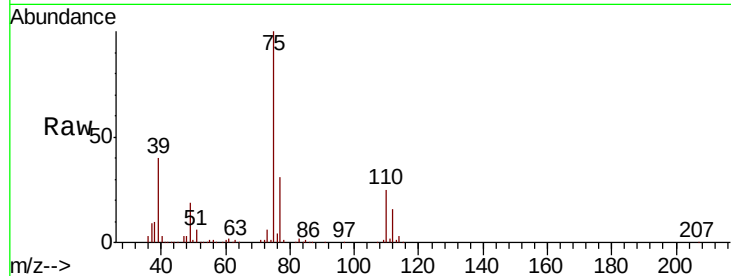




#53
t-1,3-Dichloropropene
Concen: 53.28 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

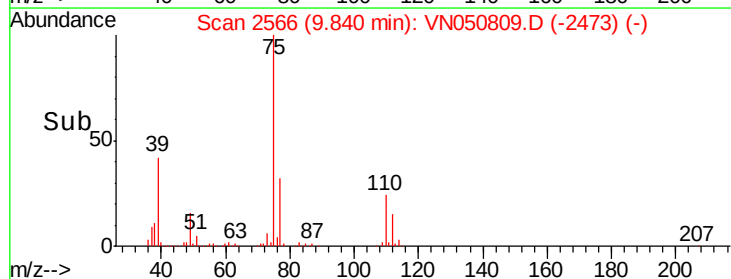
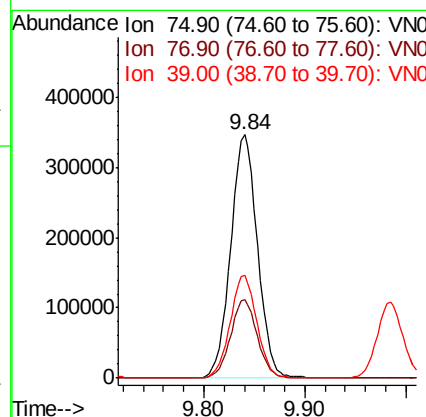
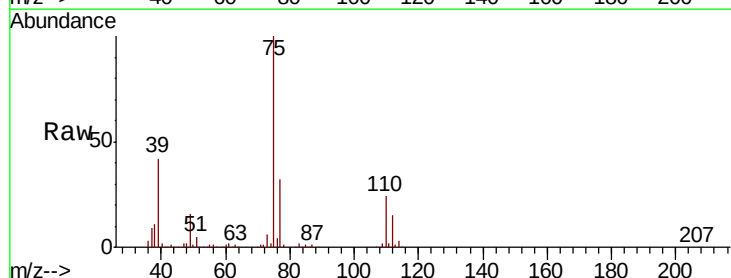
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

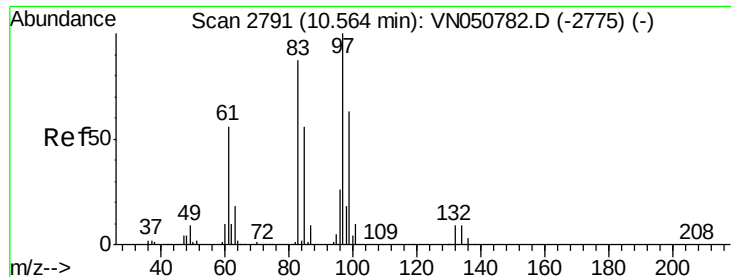
Tot Ion: 75 Resp: 553447
Ion Ratio Lower Upper
75 100
77 31.3 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 54.09 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 75 Resp: 643454
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2
39 42.0 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 52.44 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 371993

Ion	Ratio	Lower	Upper
97	100		
83	87.4	69.7	104.5
85	56.8	44.5	66.7
99	62.4	50.7	76.1

Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

50000

0

10.50 10.55 10.60

Time-->

10.56

200000

150000

100000

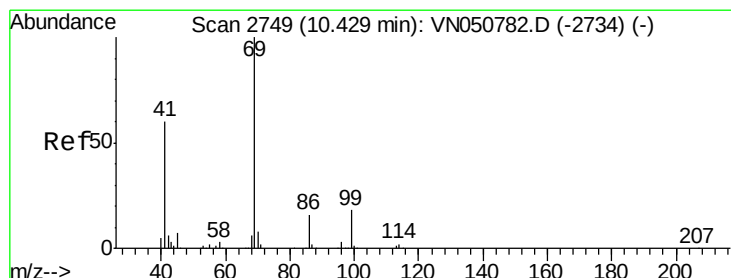
50000

0

10.50 10.55 10.60

Time-->

10.56



#56

Ethyl methacrylate

Concen: 47.93 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion: 69 Resp: 441364

Ion	Ratio	Lower	Upper
69	100		
41	61.2	48.3	72.5
39	30.1	24.0	36.0

Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Time-->

10.43

300000

200000

100000

0

10.30 10.40 10.50 10.60

Time-->

10.43

300000

200000

100000

0

10.30 10.40 10.50 10.60

Time-->

10.43

300000

200000

100000

0

10.30 10.40 10.50 10.60

Time-->

10.43

300000

200000

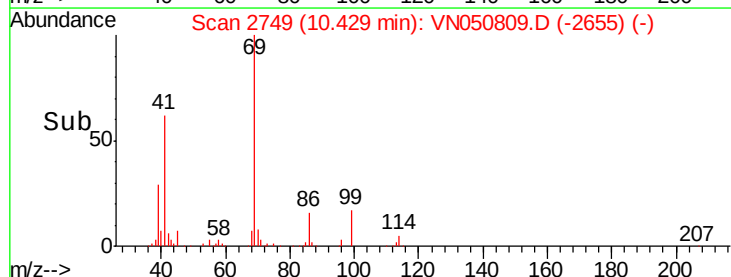
100000

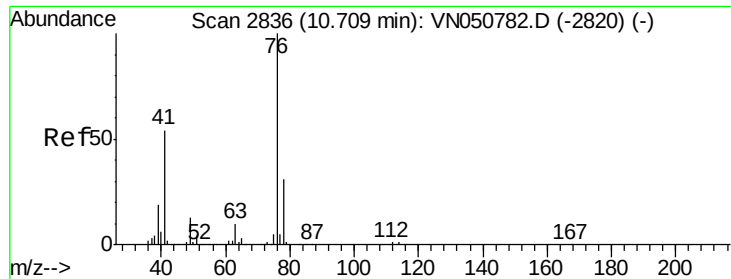
0

10.30 10.40 10.50 10.60

Time-->

10.43

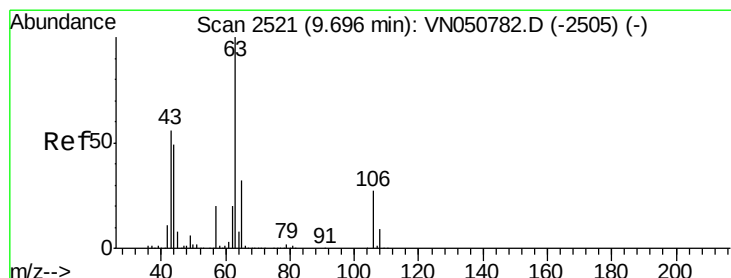
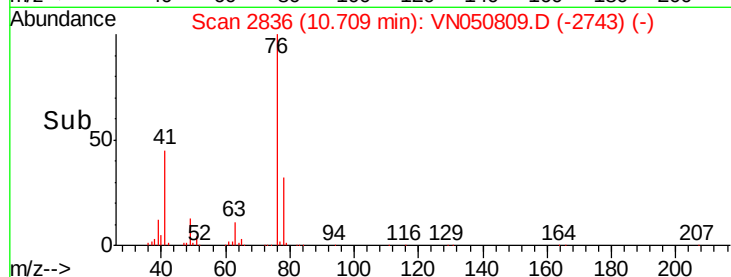
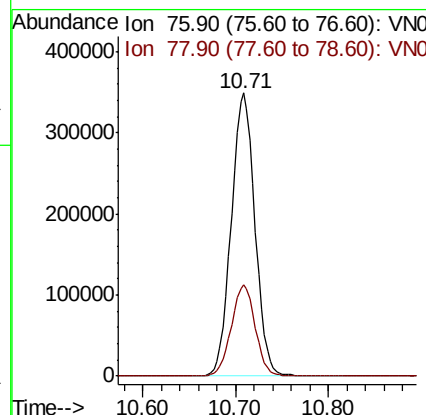
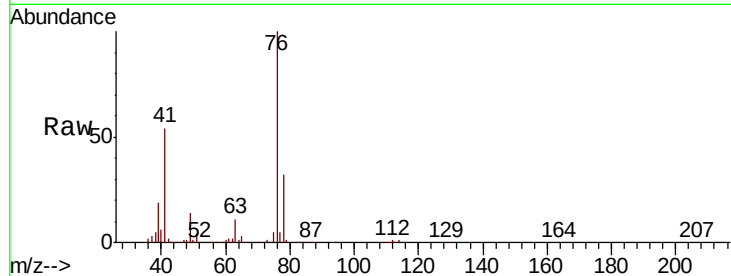




#57
 1,3-Dichloropropane
 Concen: 52.62 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

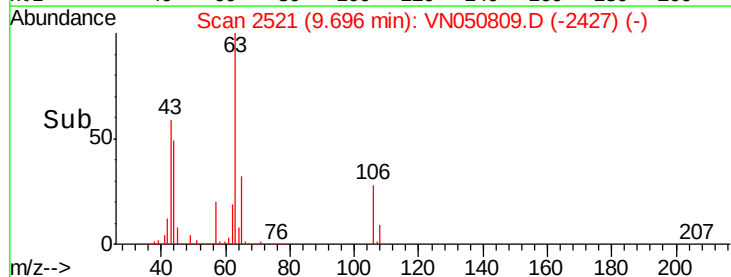
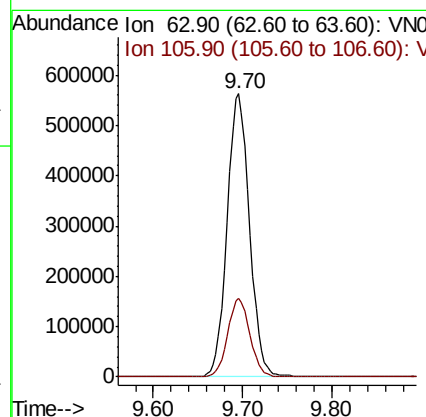
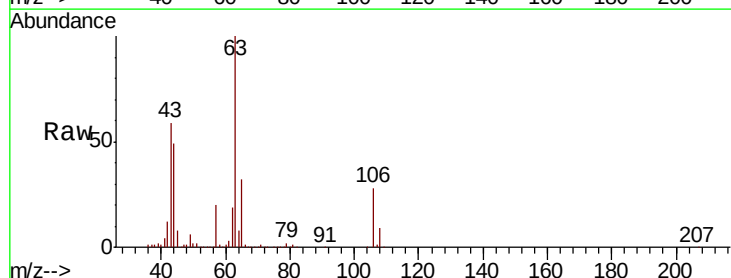
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

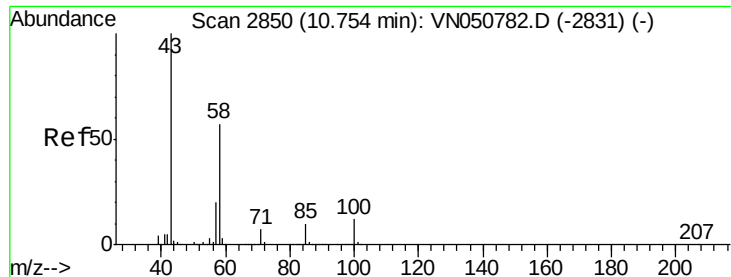
Tot Ion: 76 Resp: 616222
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.74 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 63 Resp: 976014
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.9 32.9

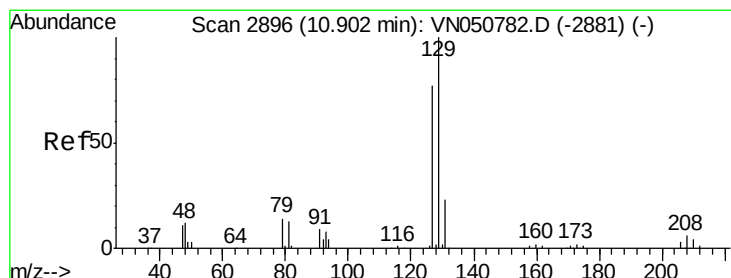
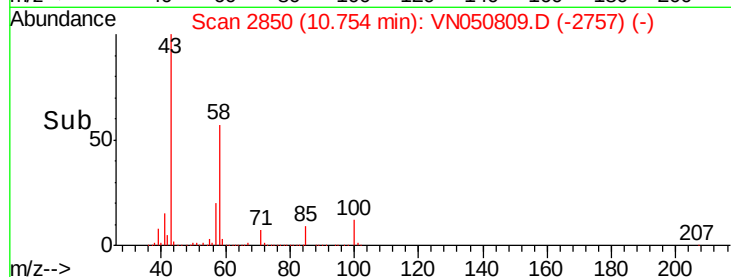
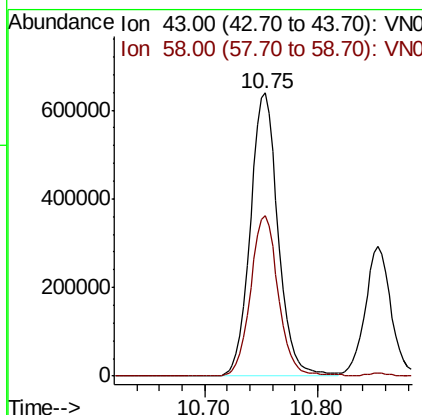
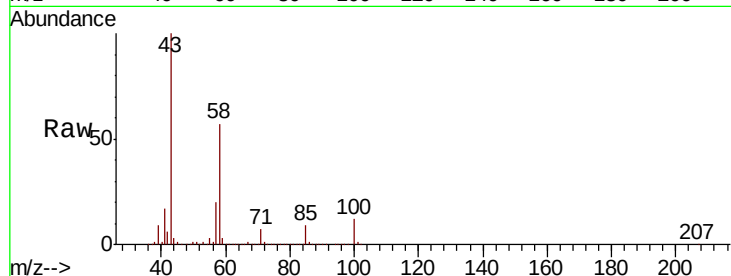




#59
2-Hexanone
Concen: 259.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

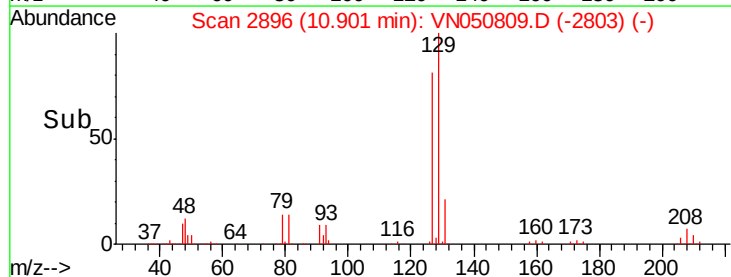
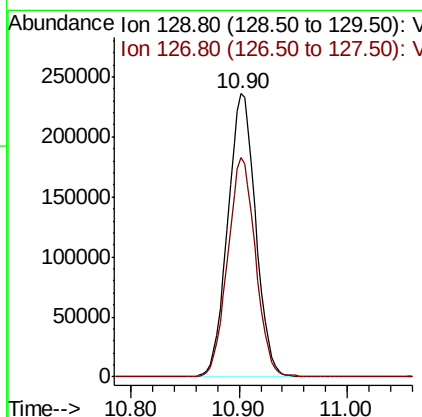
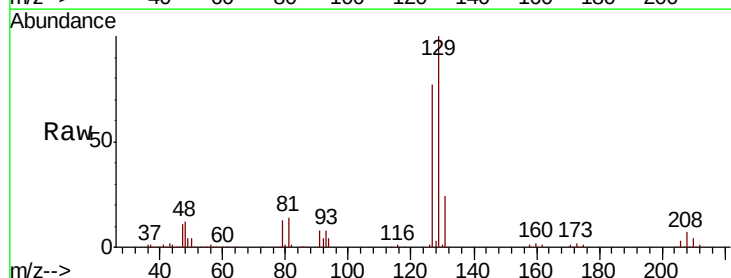
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

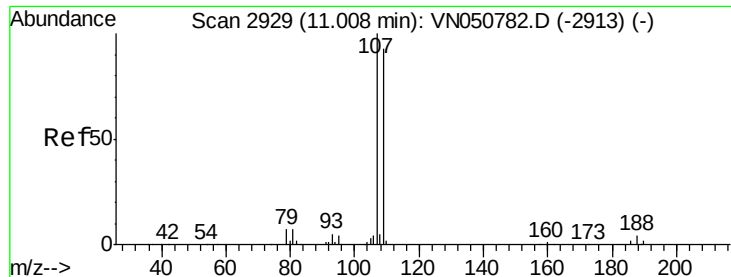
Tot Ion: 43 Resp: 1089258
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0



#60
Dibromochloromethane
Concen: 53.64 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion: 129 Resp: 426045
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.91 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

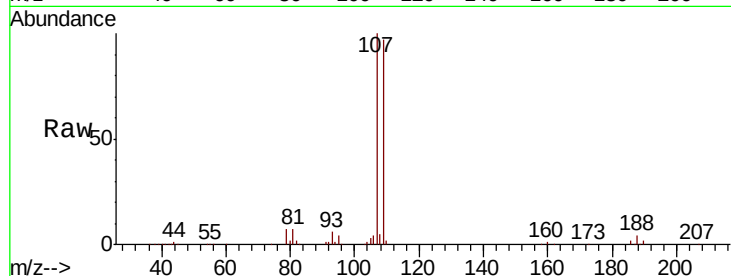
VSTDCCC050

Tot Ion:107 Resp: 362991

Ion Ratio Lower Upper

107 100

109 96.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

200000

150000

100000

50000

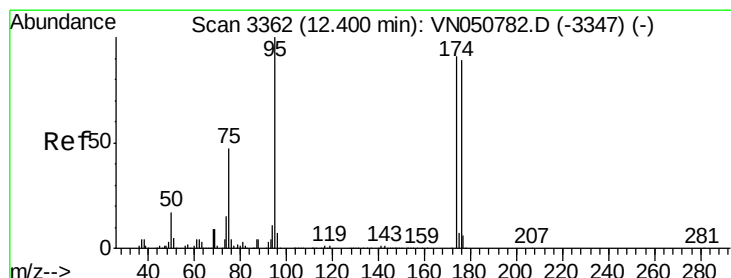
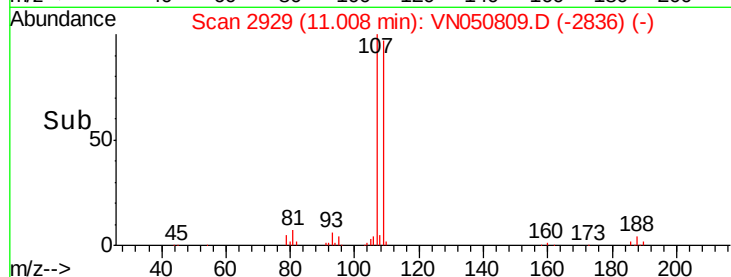
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 52.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

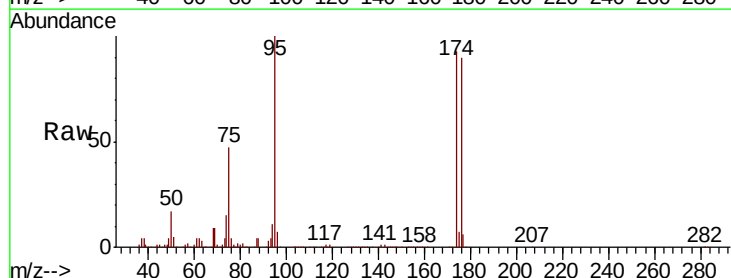
Tgt Ion: 95 Resp: 470880

Ion Ratio Lower Upper

95 100

174 90.9 0.0 183.0

176 88.2 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

200000

100000

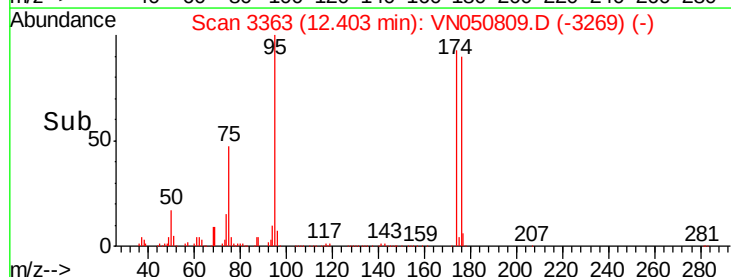
0

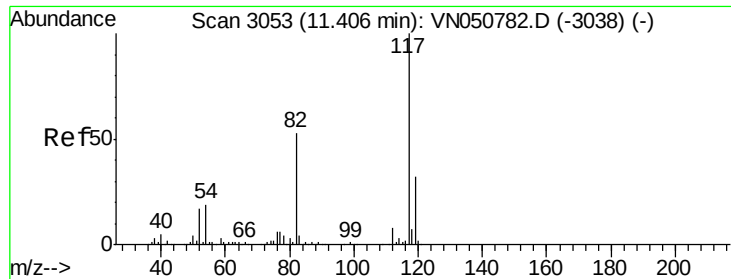
Time-->

12.35

12.40

12.45

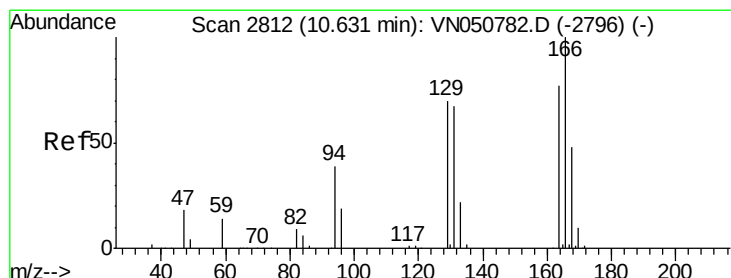
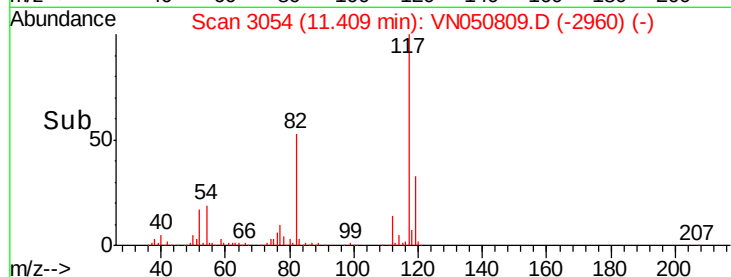
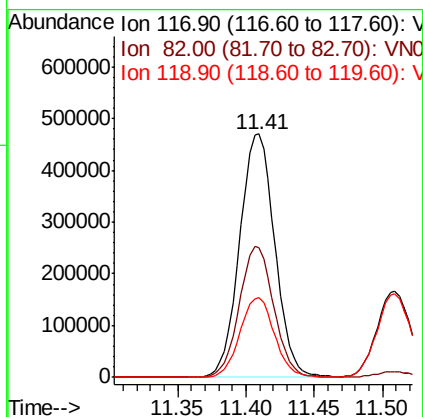
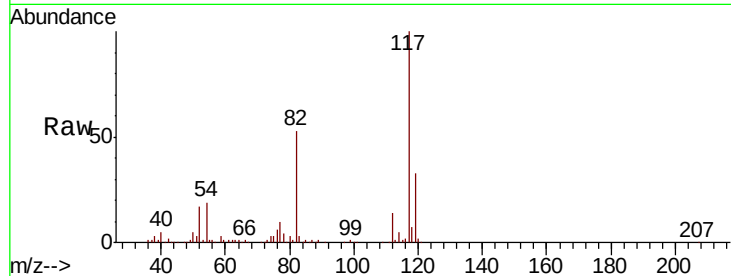




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

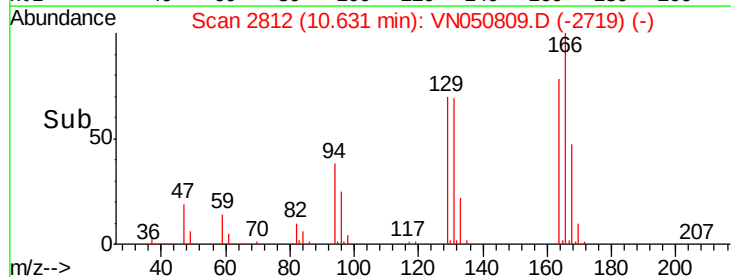
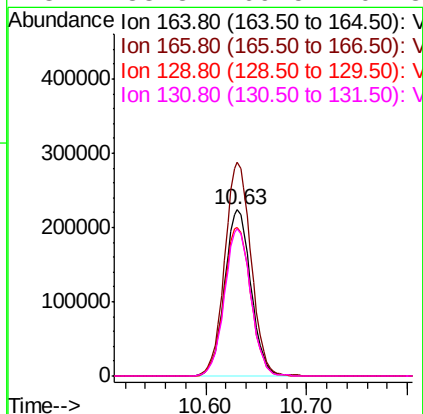
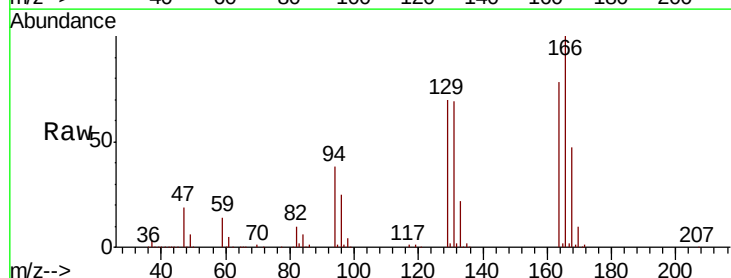
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

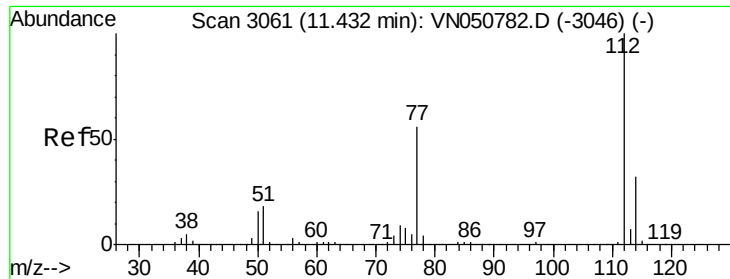
Tot Ion:117 Resp: 842688
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 32.7 25.8 38.6



#64
Tetrachloroethene
Concen: 50.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion:164 Resp: 407285
Ion Ratio Lower Upper
164 100
166 128.4 103.5 155.3
129 89.7 72.7 109.1
131 88.3 69.5 104.3

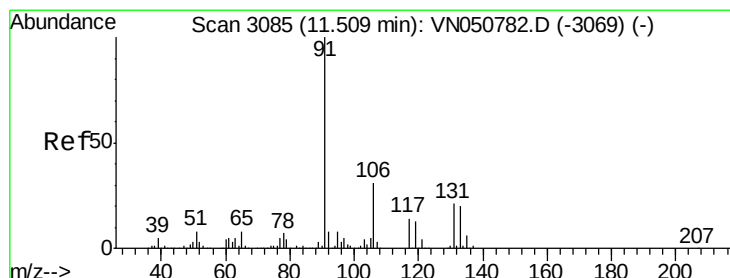
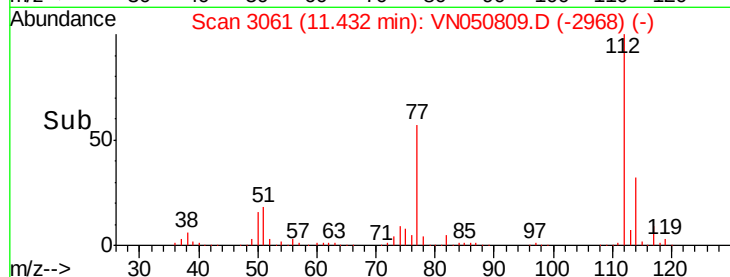
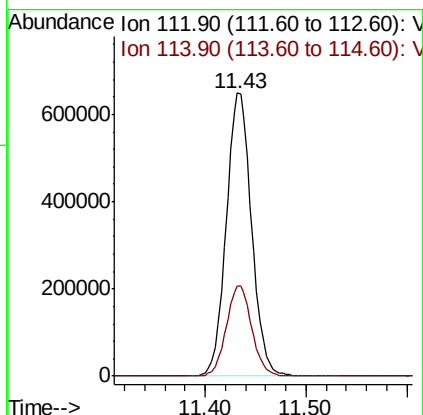
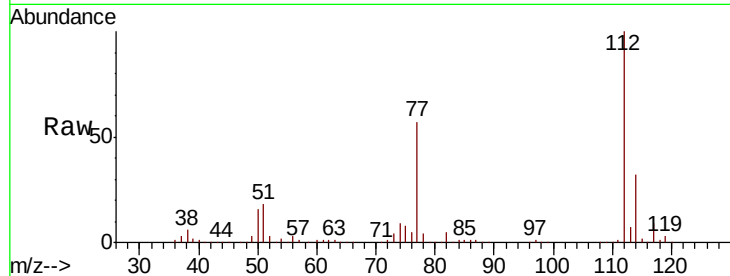




#65
Chlorobenzene
Concen: 51.46 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

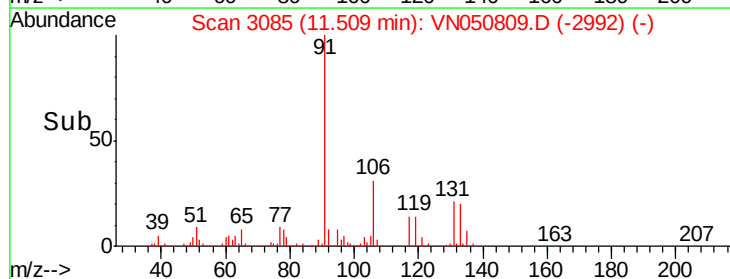
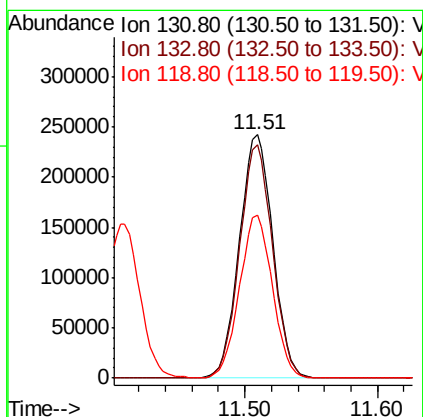
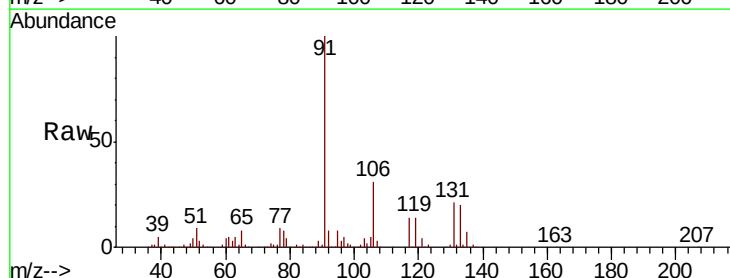
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

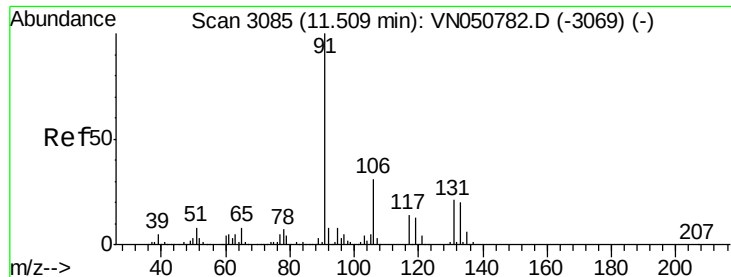
Tot Ion:112 Resp: 1133363
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.52 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion:131 Resp: 423237
Ion Ratio Lower Upper
131 100
133 94.6 47.4 142.3
119 66.2 32.8 98.4





#67

Ethyl Benzene

Concen: 54.92 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

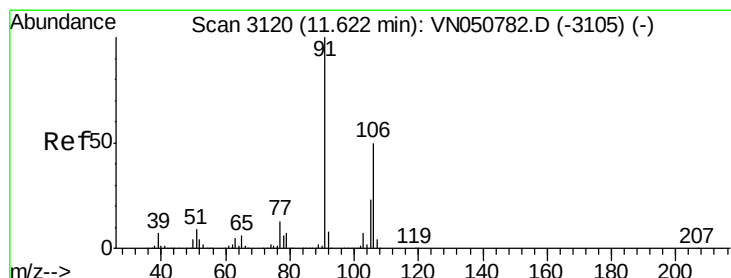
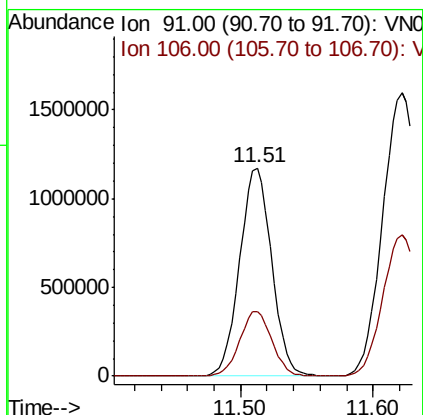
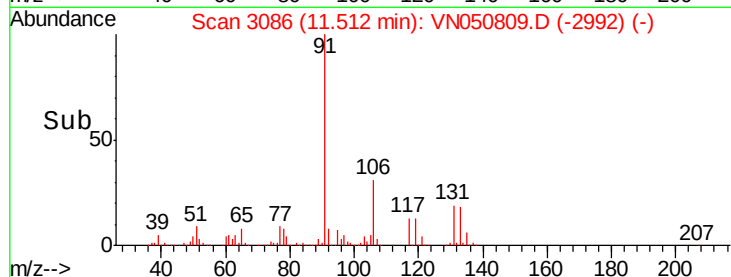
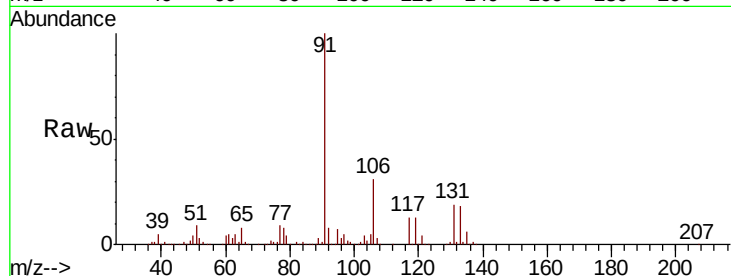
VSTDCCC050

Tot Ion: 91 Resp: 1966720

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 113.36 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050809.D

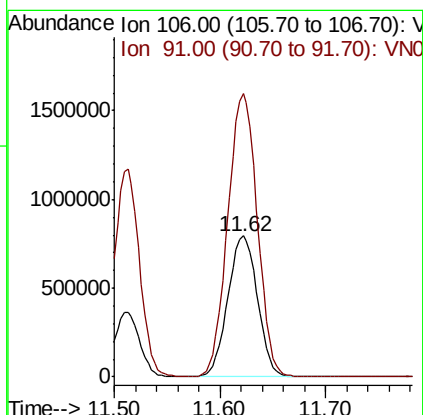
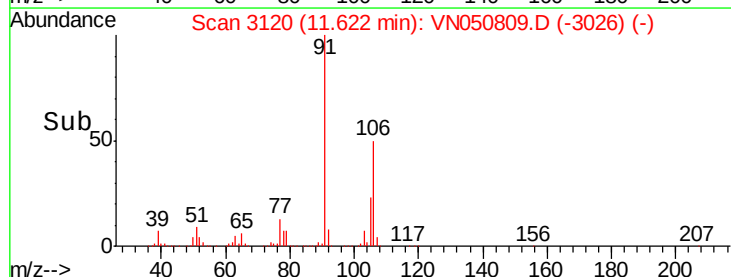
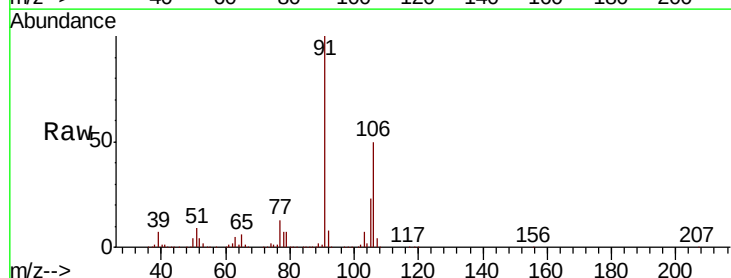
Acq: 22 Aug 2018 10:45

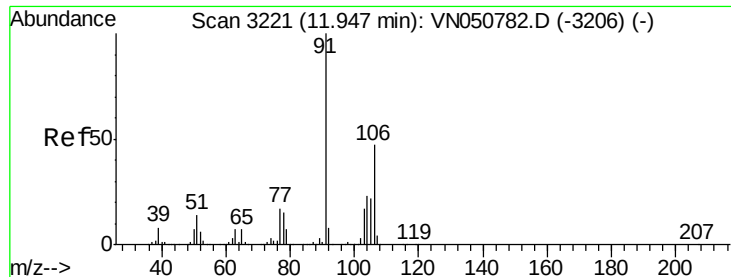
Tgt Ion:106 Resp: 1540790

Ion Ratio Lower Upper

106 100

91 200.5 161.0 241.6

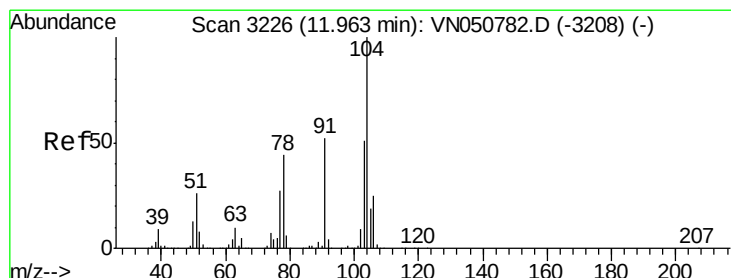
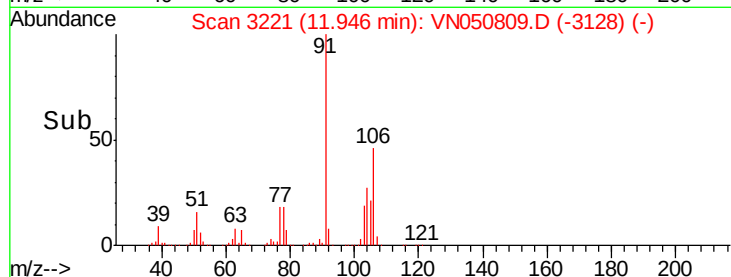
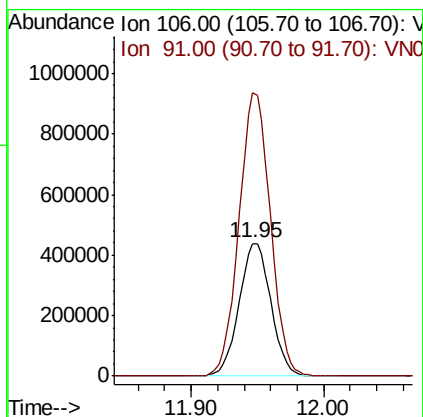
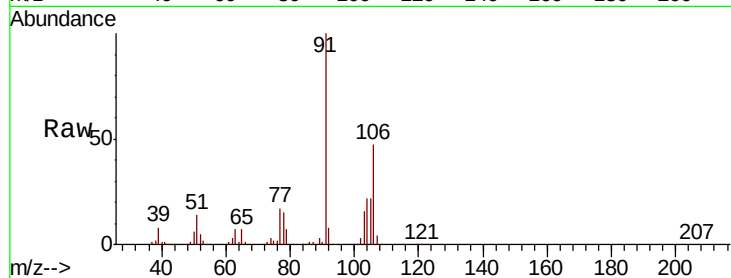




#69
o-Xylene
Concen: 55.77 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

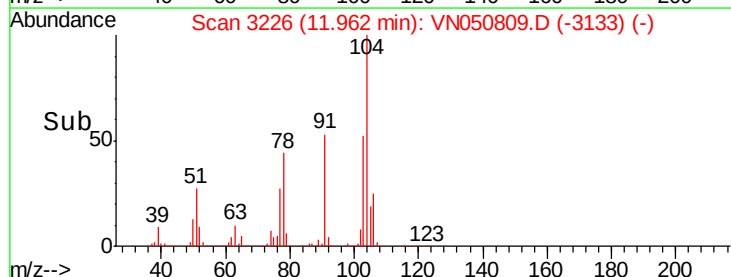
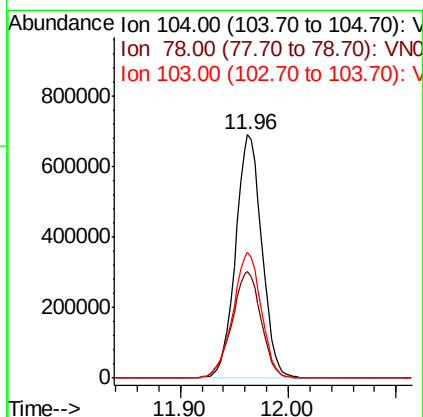
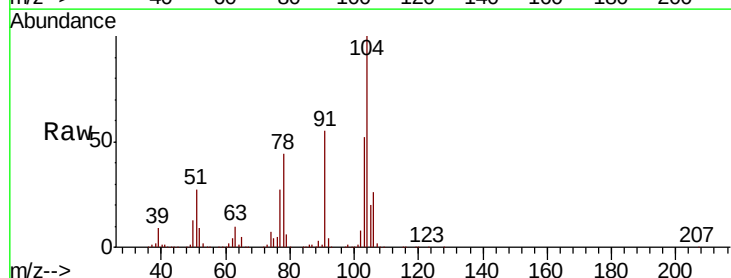
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

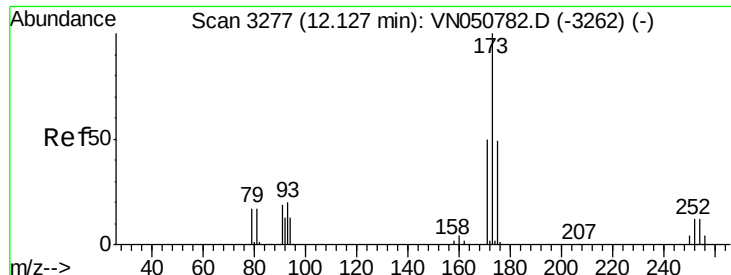
Tot Ion:106 Resp: 728753
Ion Ratio Lower Upper
106 100
91 211.6 106.5 319.5



#70
Styrene
Concen: 50.86 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion:104 Resp: 1171720
Ion Ratio Lower Upper
104 100
78 48.4 38.2 57.4
103 55.9 44.4 66.6

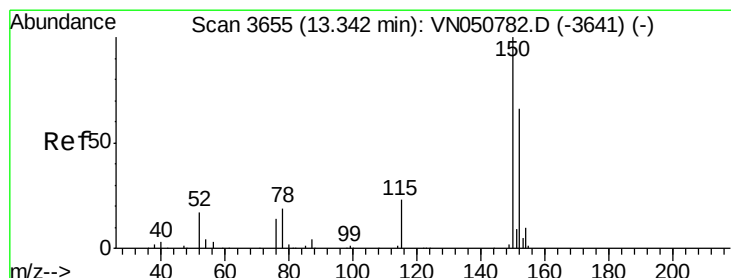
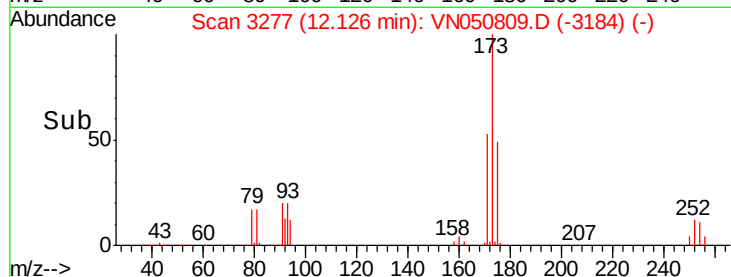
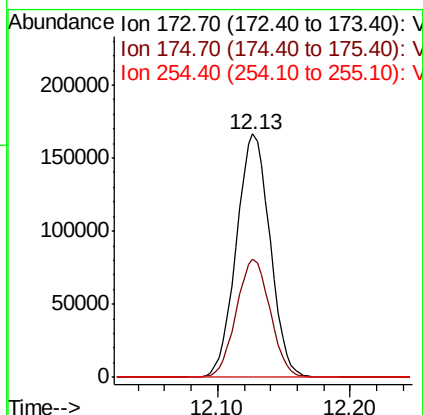
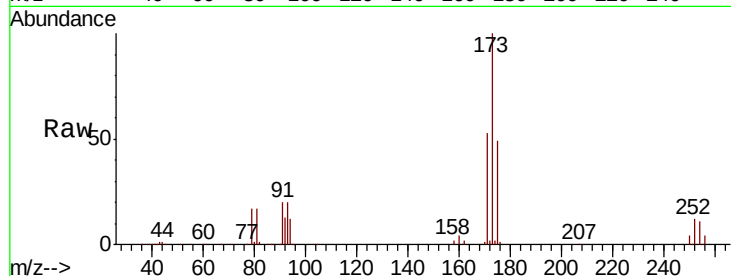




#71
Bromoform
Concen: 52.89 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

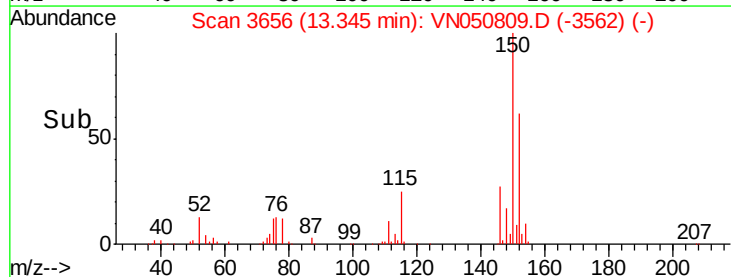
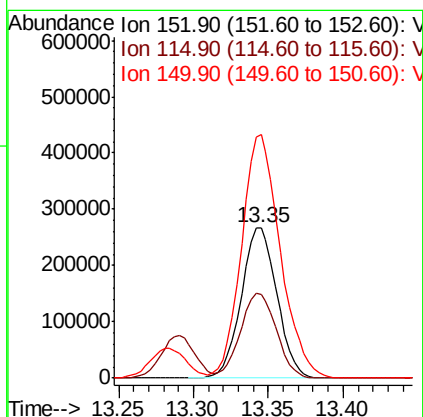
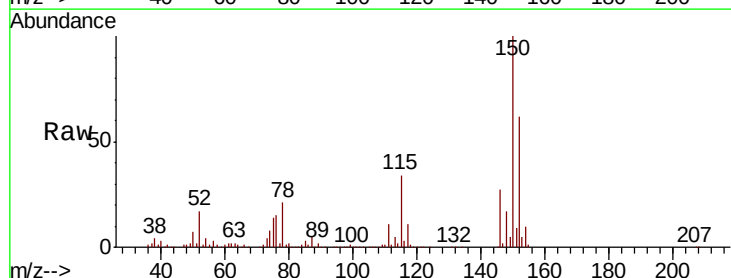
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

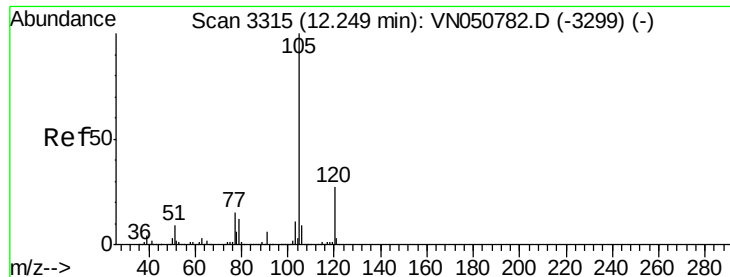
Tot Ion:173 Resp: 293133
Ion Ratio Lower Upper
173 100
175 48.9 24.4 73.4
254 0.2 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050809.D
Acq: 22 Aug 2018 10:45

Tgt Ion:152 Resp: 441453
Ion Ratio Lower Upper
152 100
115 56.9 27.8 83.4
150 176.5 0.0 351.4





#73

Isopropylbenzene

Concen: 52.75 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

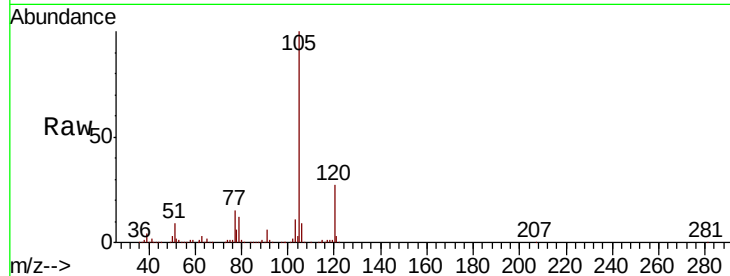
VSTDCCC050

Tot Ion:105 Resp: 1928259

Ion Ratio Lower Upper

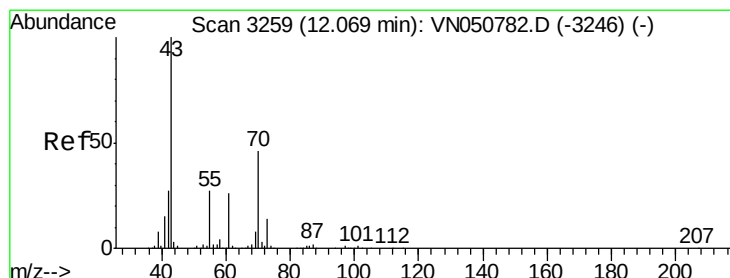
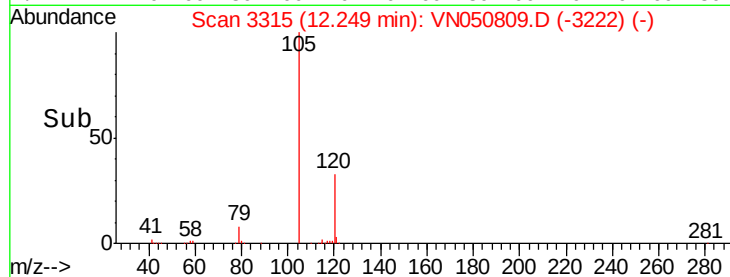
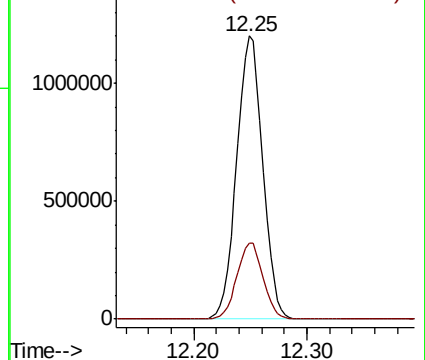
105 100

120 27.0 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.16 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Tgt Ion: 43 Resp: 469930

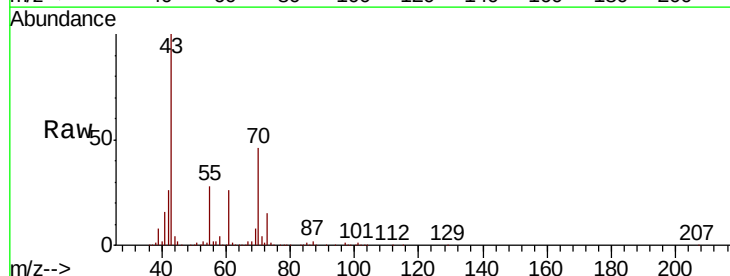
Ion Ratio Lower Upper

43 100

70 45.6 36.2 54.2

55 27.7 21.8 32.8

61 25.8 20.5 30.7

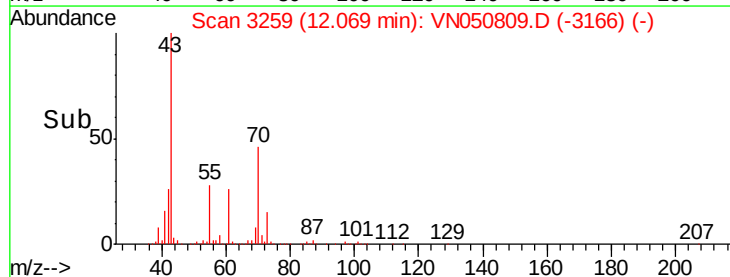
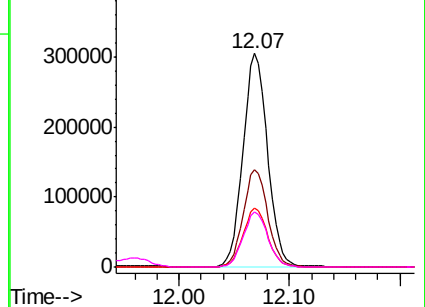


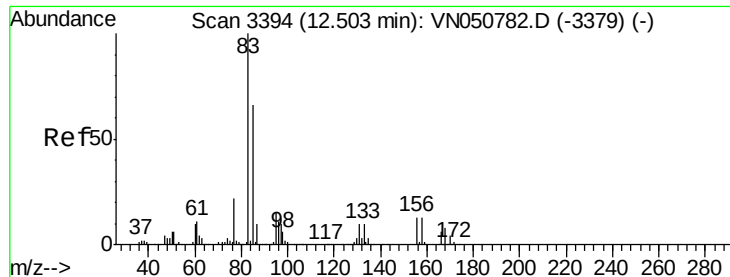
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.86 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

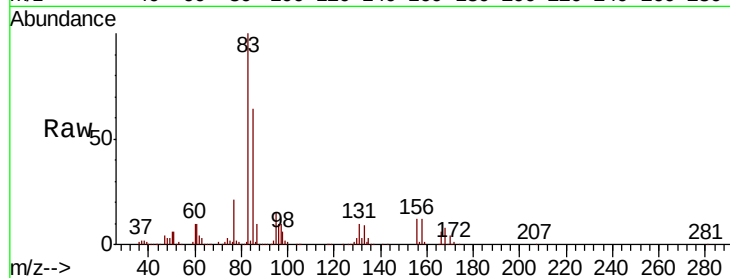
Tot Ion: 83 Resp: 451395

Ion Ratio Lower Upper

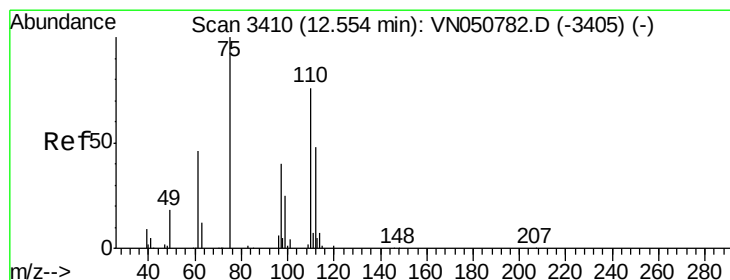
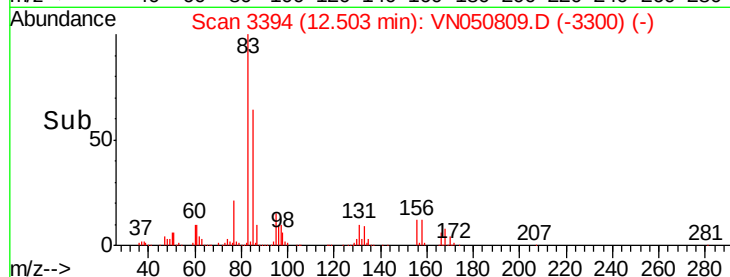
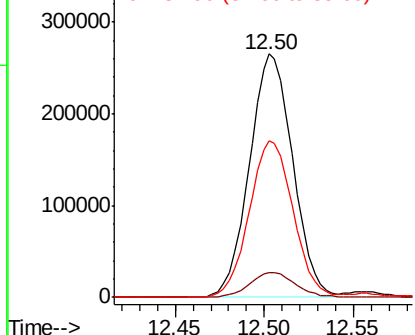
83 100

131 10.8 5.3 15.9

85 65.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 70.63 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050809.D

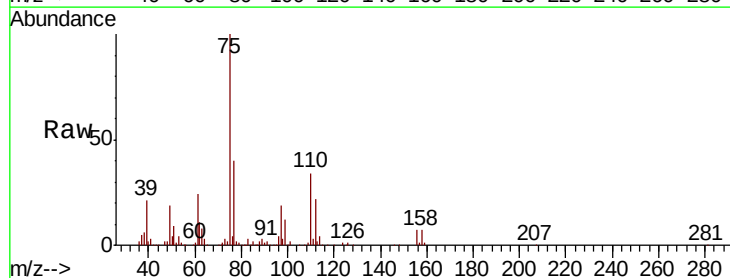
Acq: 22 Aug 2018 10:45

Tgt Ion: 75 Resp: 546153

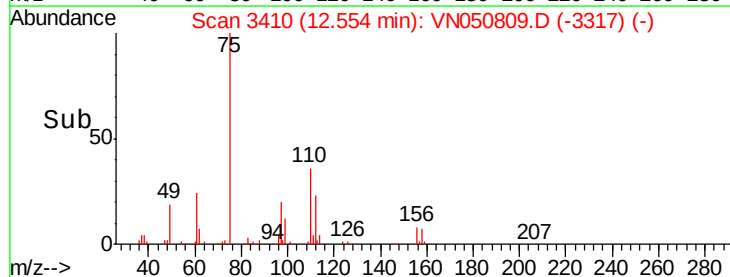
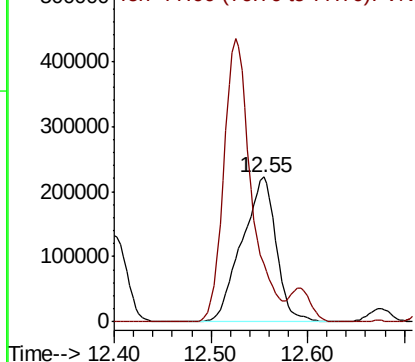
Ion Ratio Lower Upper

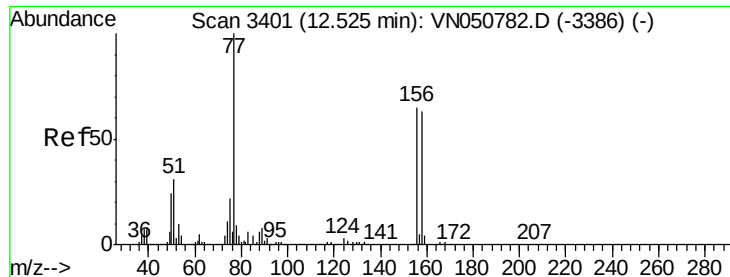
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.77 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

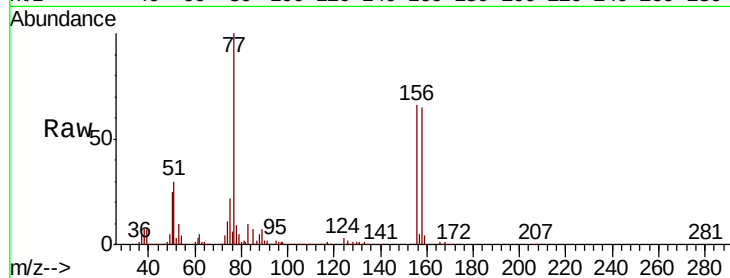
Tot Ion:156 Resp: 494411

Ion Ratio Lower Upper

156 100

77 174.2 89.9 269.7

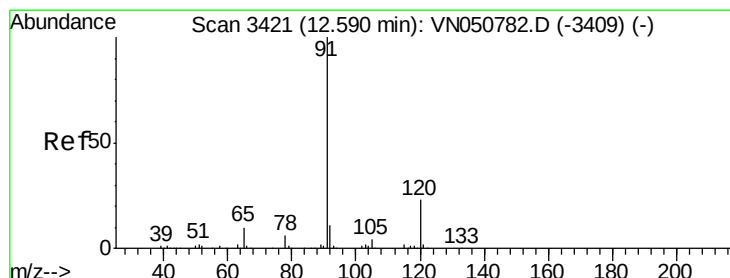
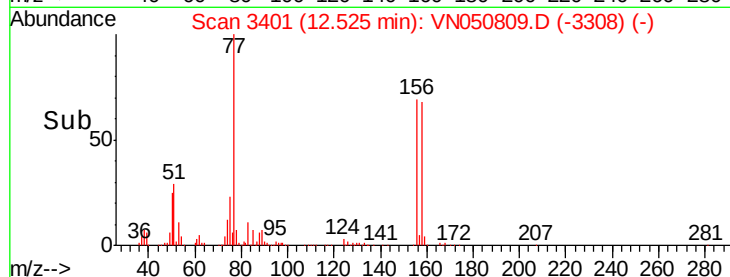
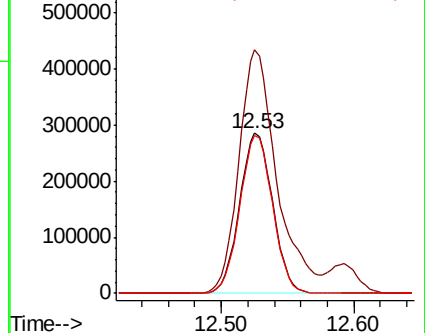
158 97.5 49.3 147.9



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: 54.60 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050809.D

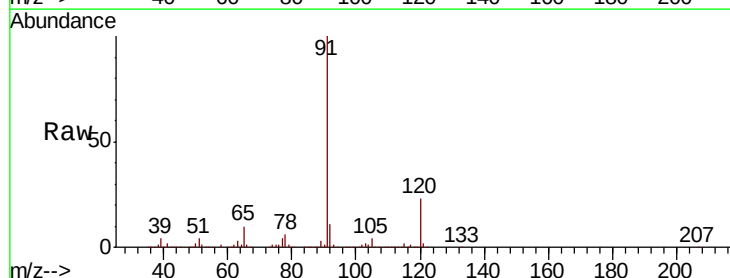
Acq: 22 Aug 2018 10:45

Tgt Ion: 91 Resp: 2229651

Ion Ratio Lower Upper

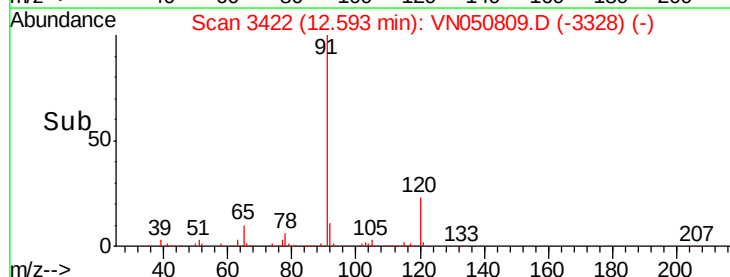
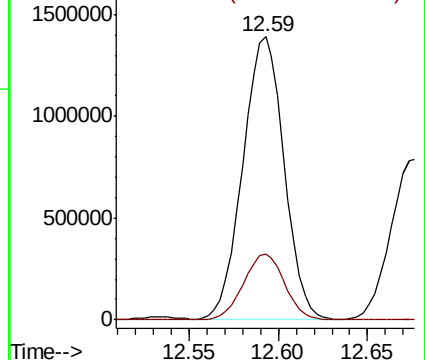
91 100

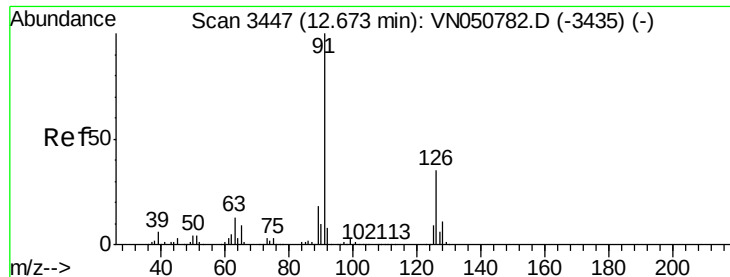
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

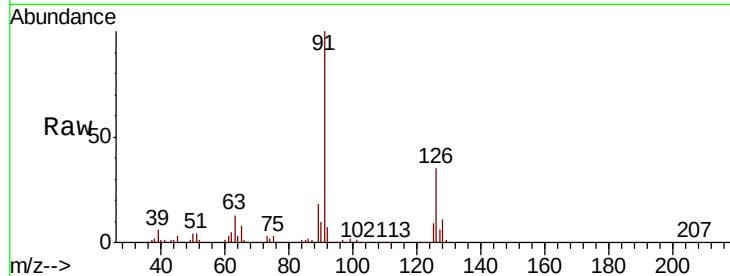




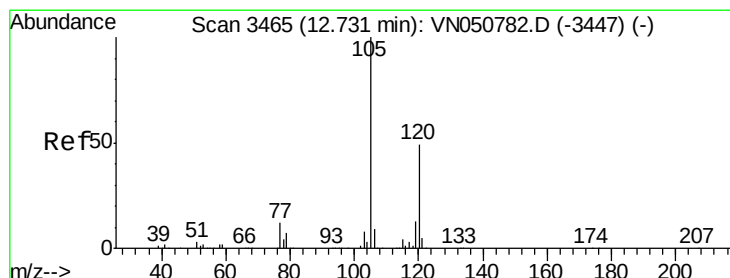
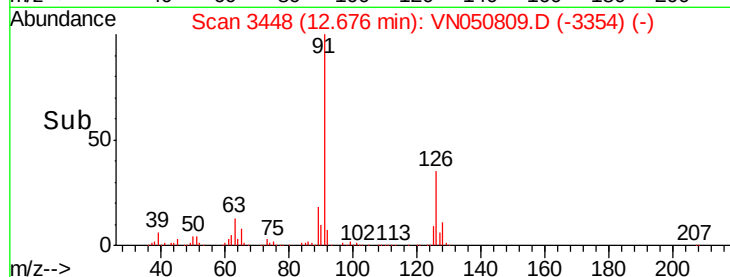
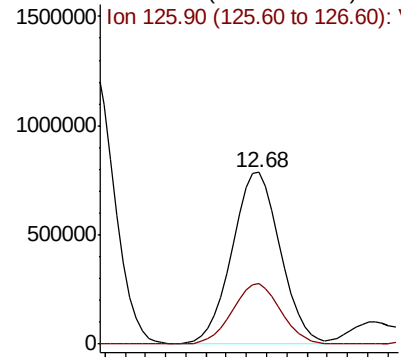
#79
 2-Chlorotoluene
 Concen: 51.60 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1312579
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.3

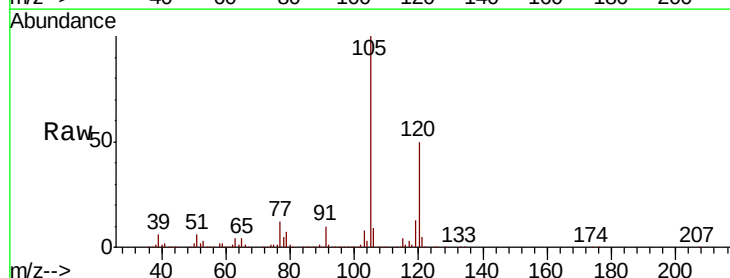


Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)
 Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)

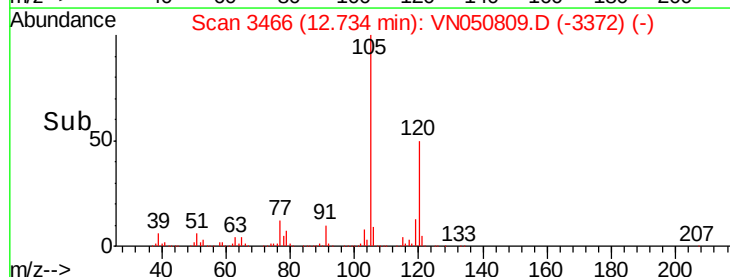
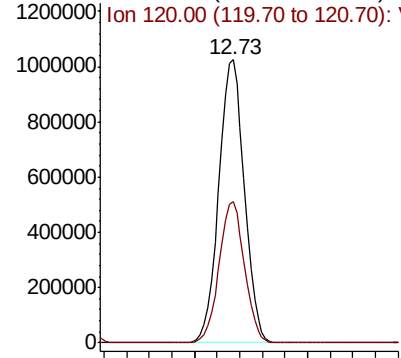


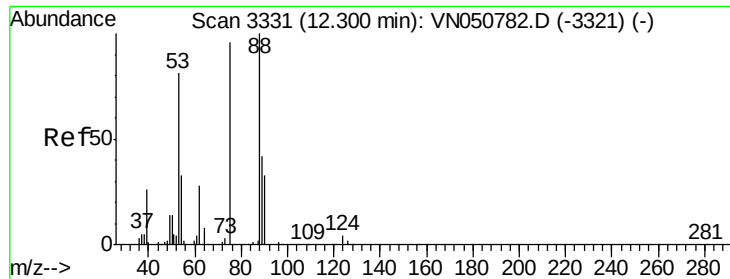
#80
 1,3,5-Trimethylbenzene
 Concen: 54.50 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion: 105 Resp: 1607581
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)
 Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.57 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

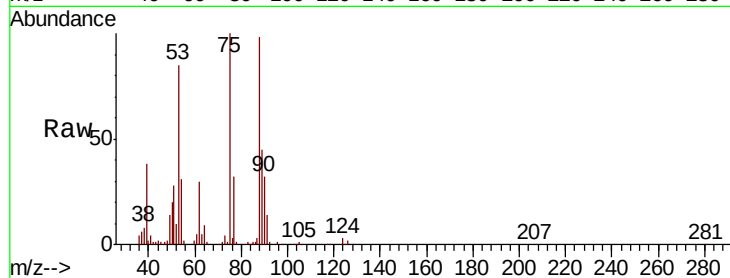
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 115666

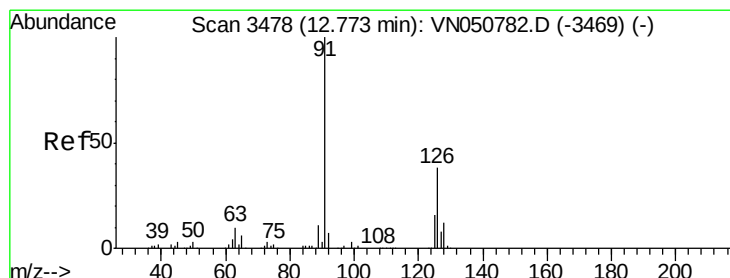
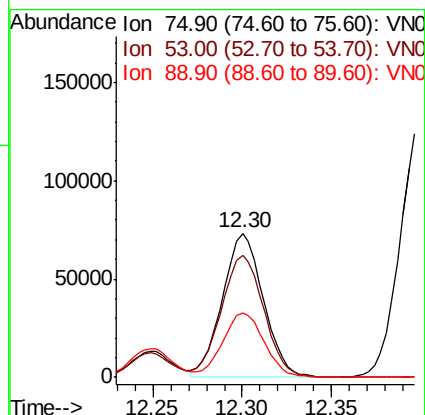
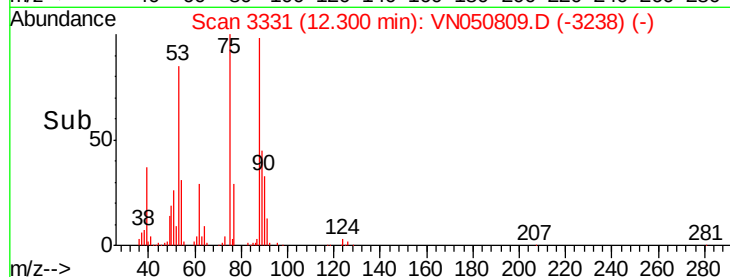
Ion	Ratio	Lower	Upper
75	100		
53	89.5	68.9	103.3
89	46.1	36.1	54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 53.02 ug/l

RT: 12.77 min Scan# 3478

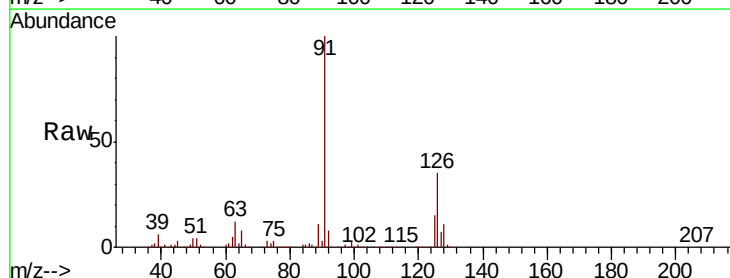
Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

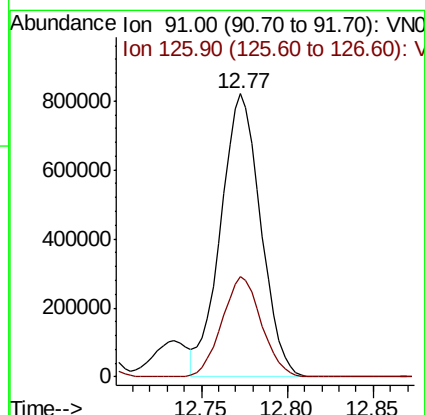
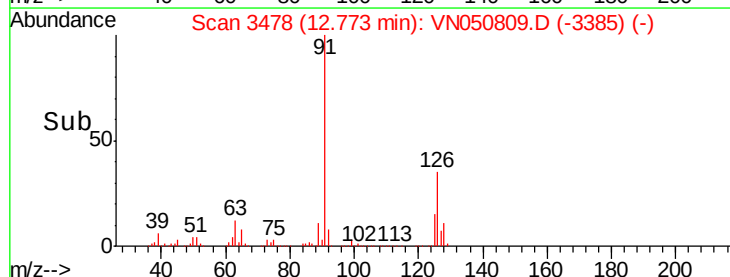
Tgt Ion: 91 Resp: 1331380

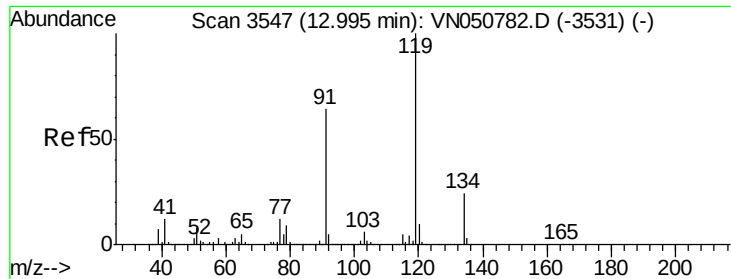
Ion	Ratio	Lower	Upper
91	100		
126	35.0	17.5	52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

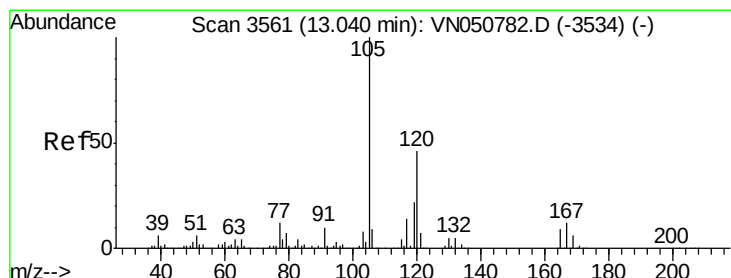
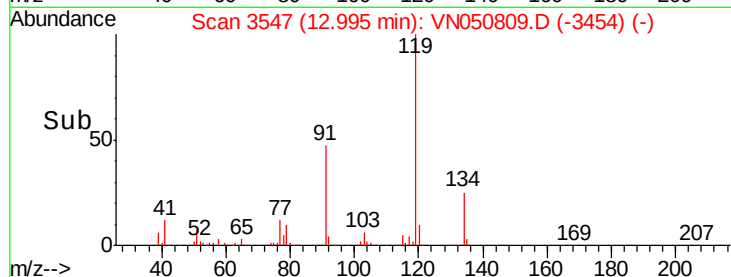
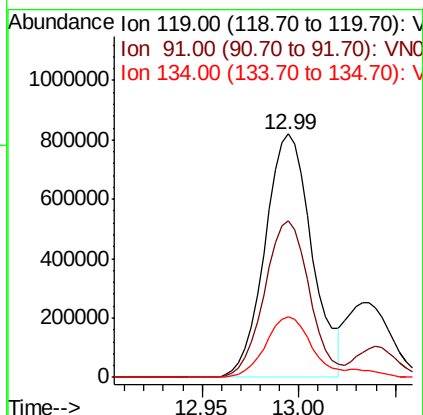
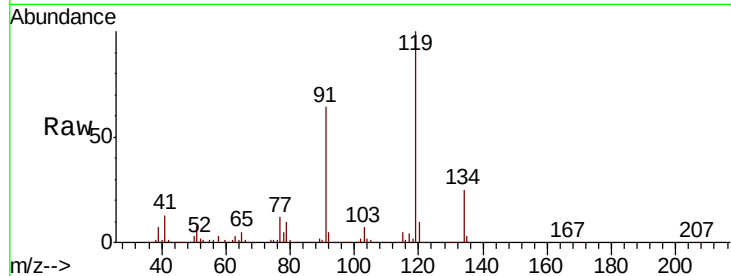




#83
 tert-Butylbenzene
 Concen: 53.93 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

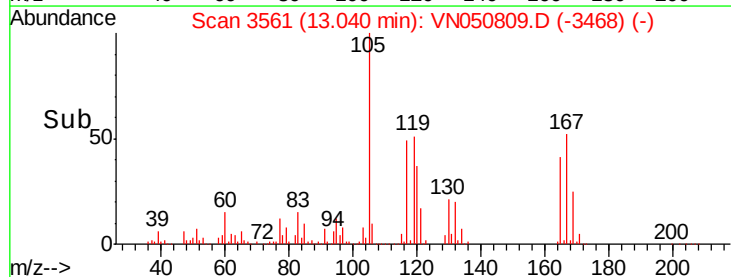
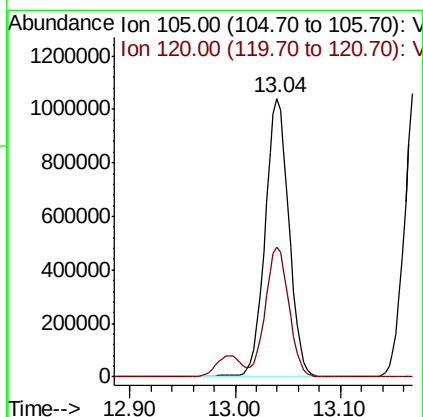
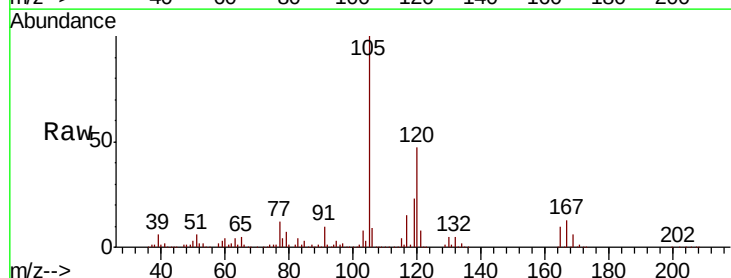
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

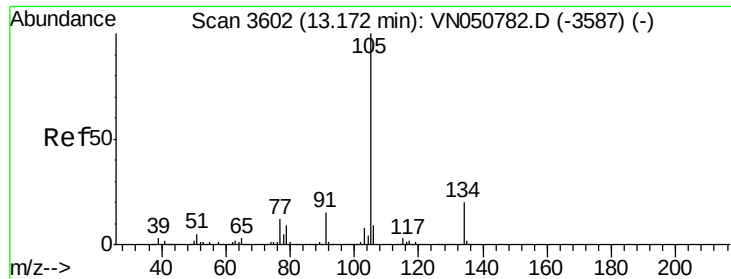
Tot Ion:119 Resp: 1377541
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.6 94.7
 134 26.5 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 54.93 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion:105 Resp: 1629576
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 54.41 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

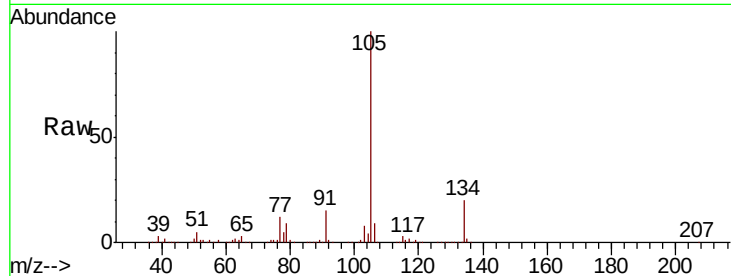
VSTDCCC050

Tot Ion:105 Resp: 1821266

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

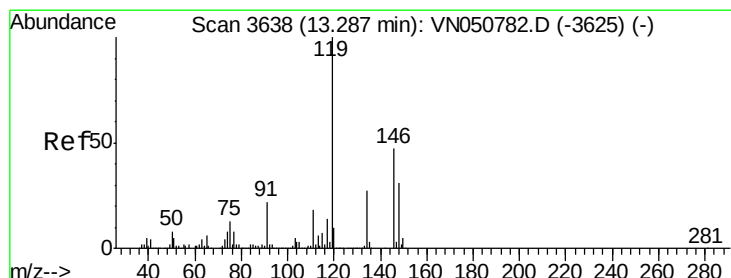
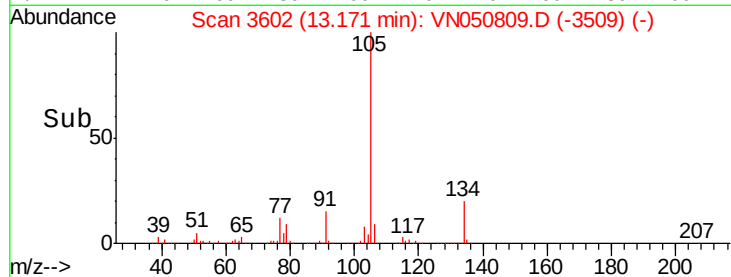
1000000

500000

0

Time-->

13.10 13.20



#86

p-Isopropyltoluene

Concen: 56.35 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

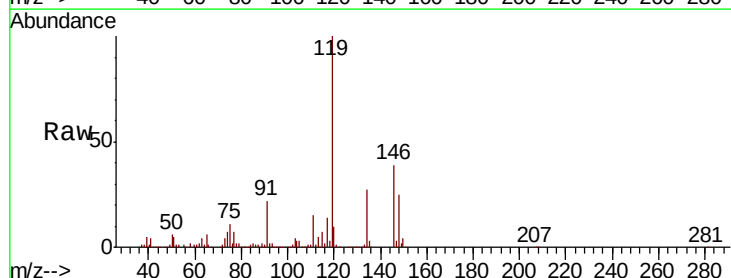
Tgt Ion:119 Resp: 1607240

Ion Ratio Lower Upper

119 100

134 27.1 13.7 41.0

91 22.3 11.2 33.5



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

13.29

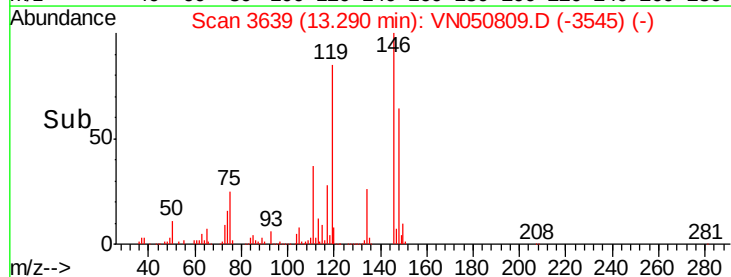
1000000

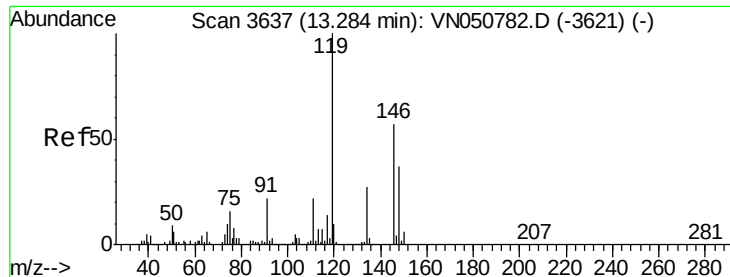
500000

0

Time-->

13.20 13.25 13.30 13.35

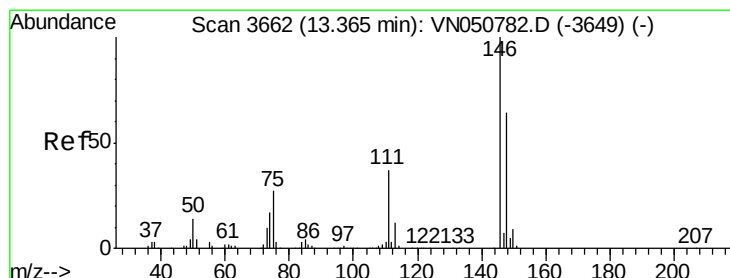
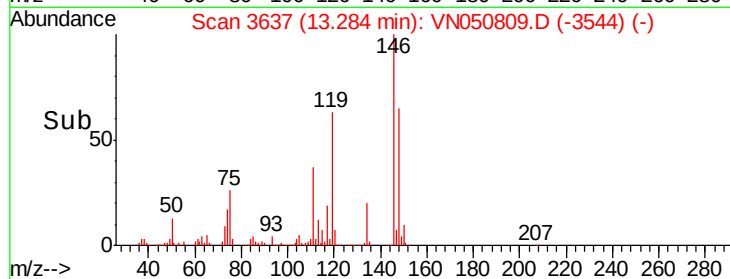
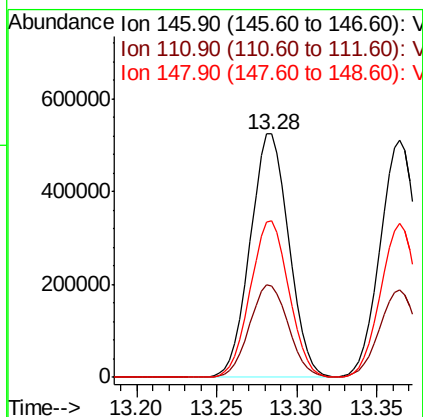
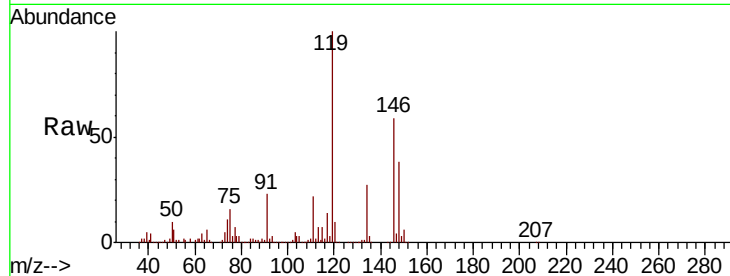




#87
 1,3-Dichlorobenzene
 Concen: 51.55 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

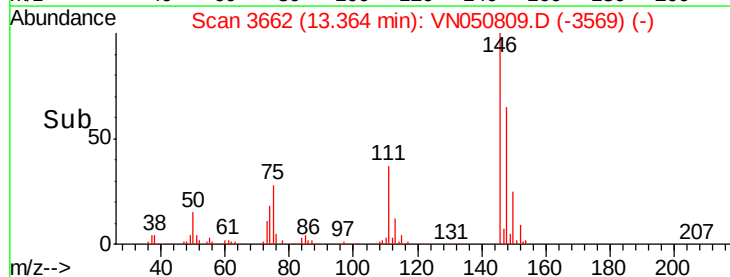
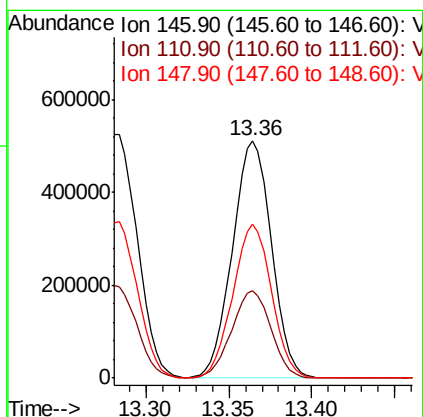
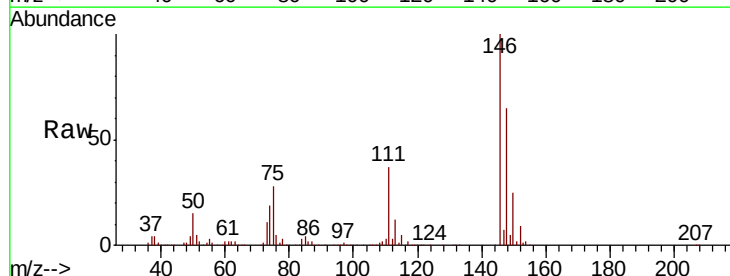
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

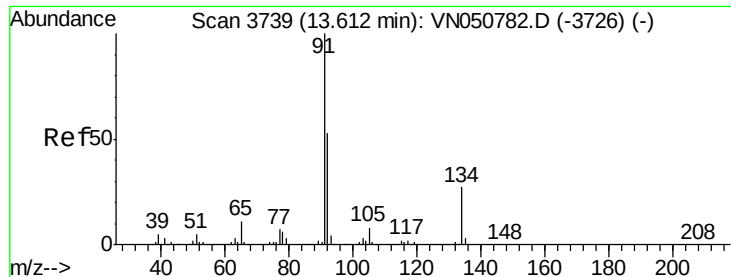
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	64.1	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 50.44 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.3
148	64.3	32.2	96.6





#89

n-Butylbenzene

Concen: 56.43 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

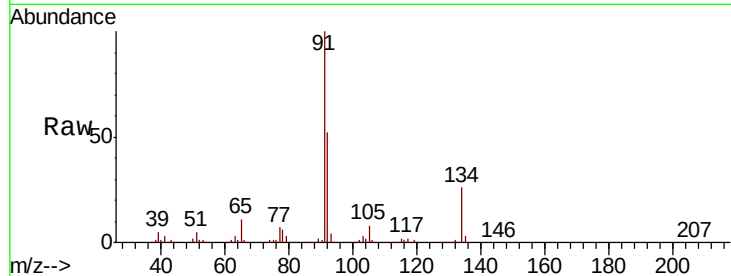
Tot Ion: 91 Resp: 1287126

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.2

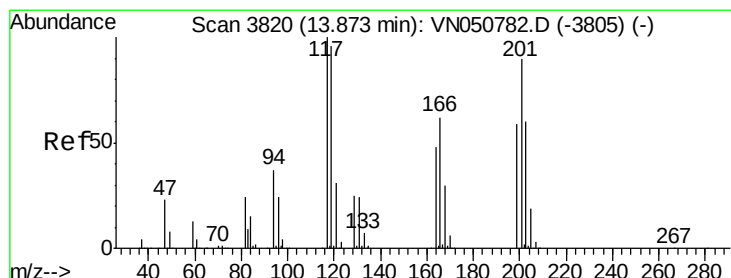
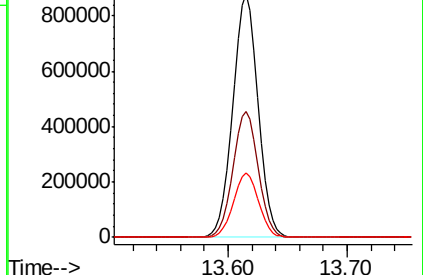
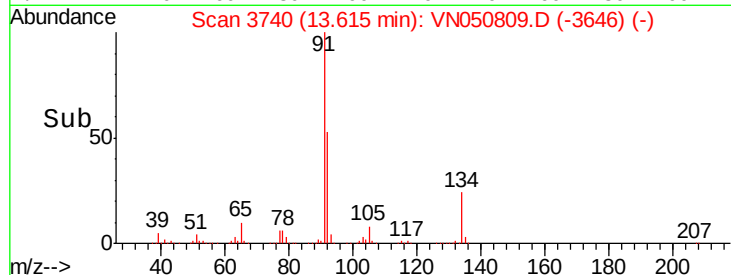
134 26.4 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050809.D (-3740) (-)

Ion 92.00 (91.70 to 92.70): VN050809.D (-3740) (-)

Ion 134.00 (133.70 to 134.70): VN050809.D (-3740) (-)



#90

Hexachloroethane

Concen: 53.19 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050809.D

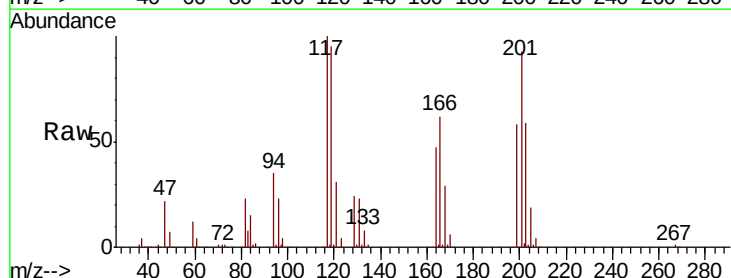
Acq: 22 Aug 2018 10:45

Tgt Ion: 117 Resp: 289195

Ion Ratio Lower Upper

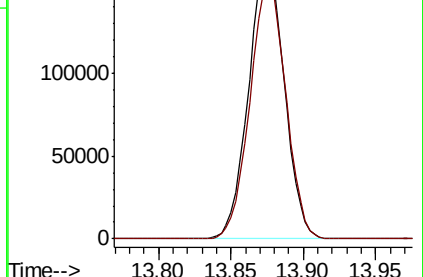
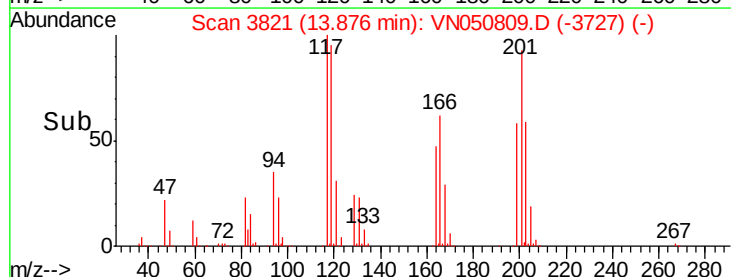
117 100

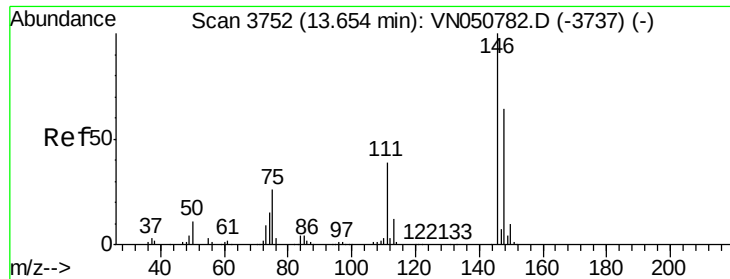
201 92.6 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050809.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN050809.D (-3821) (-)

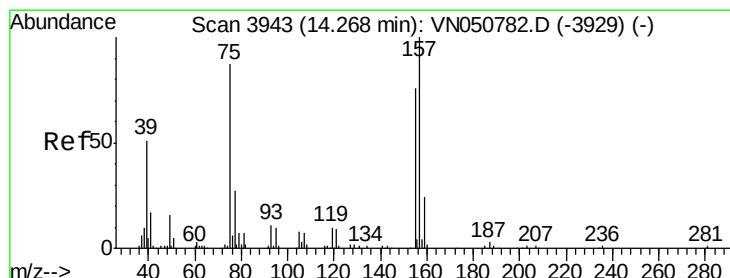
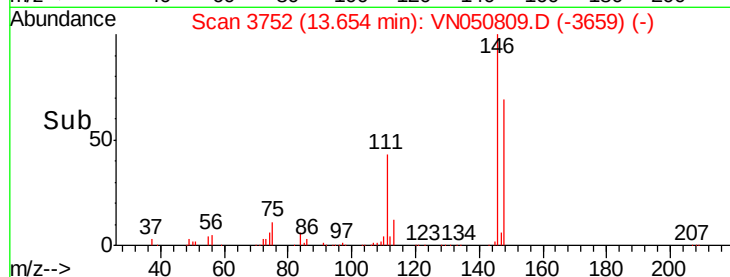
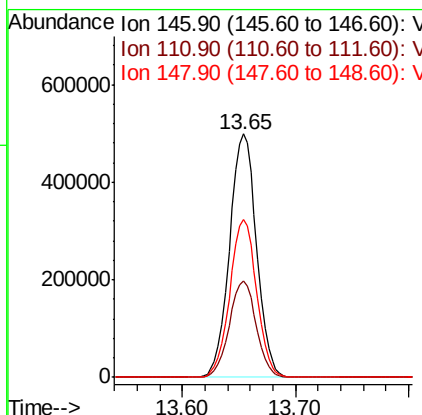
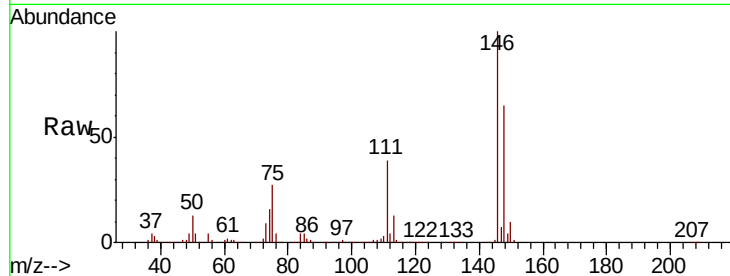




#91
 1,2-Dichlorobenzene
 Concen: 50.76 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

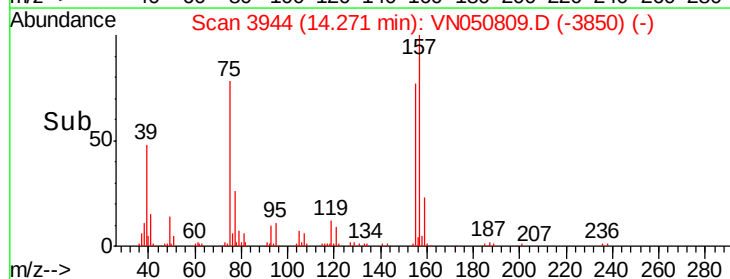
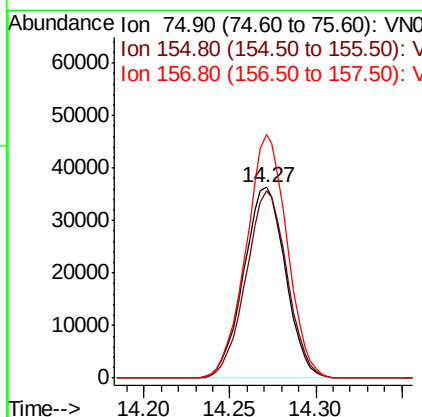
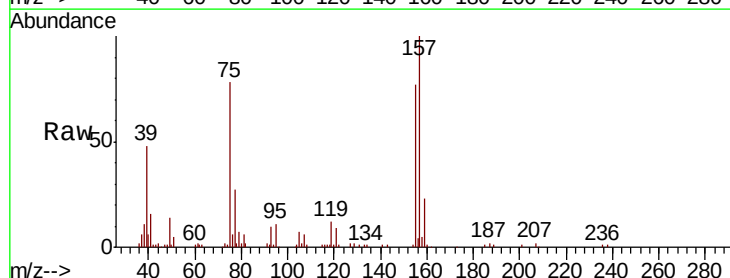
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

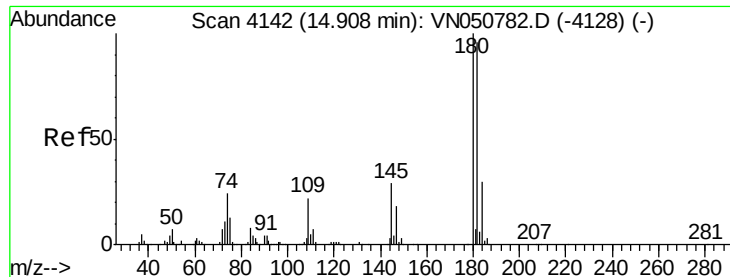
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.6	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.59 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.4	139.1
157	125.2	60.7	182.0

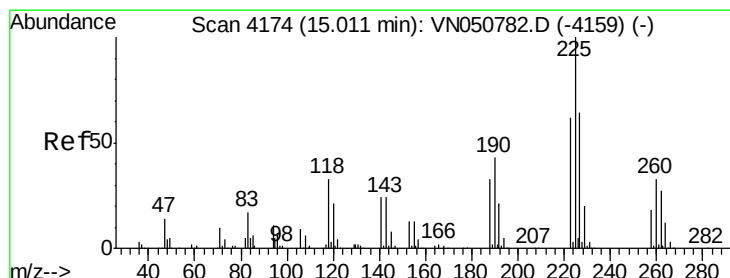
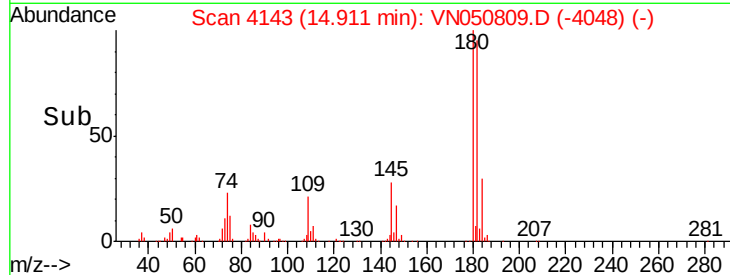
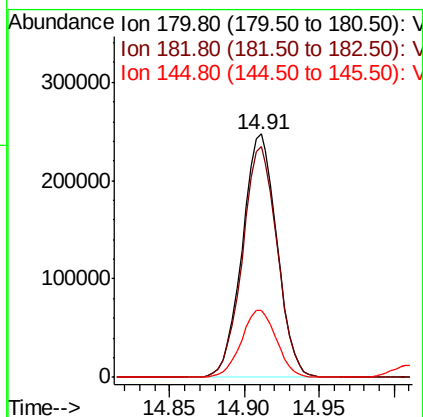
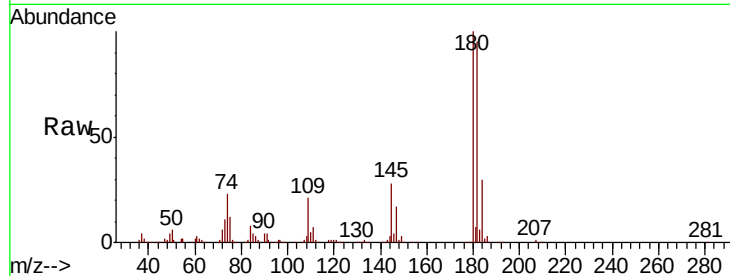




#93
 1,2,4-Trichlorobenzene
 Concen: 47.36 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

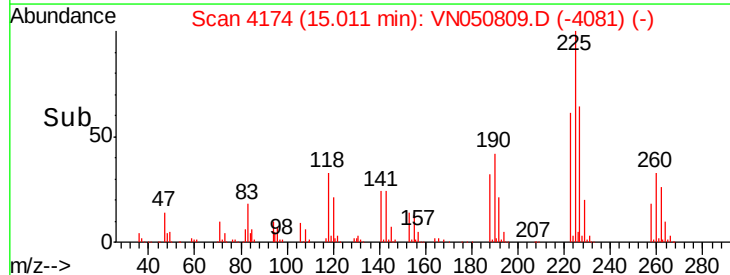
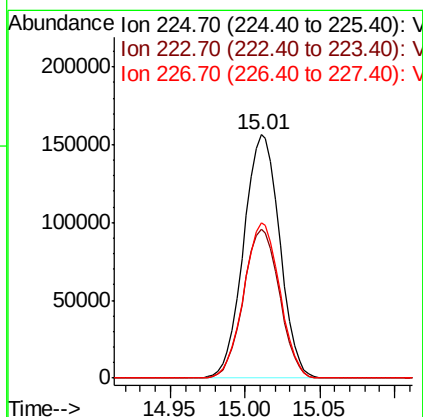
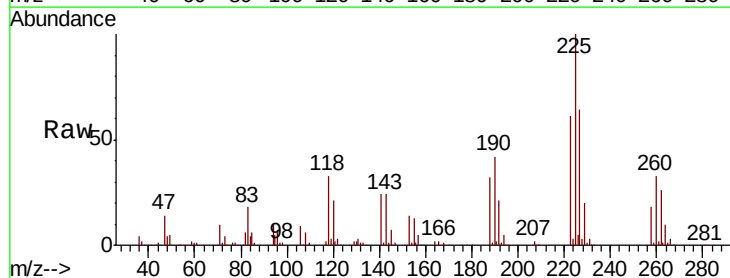
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

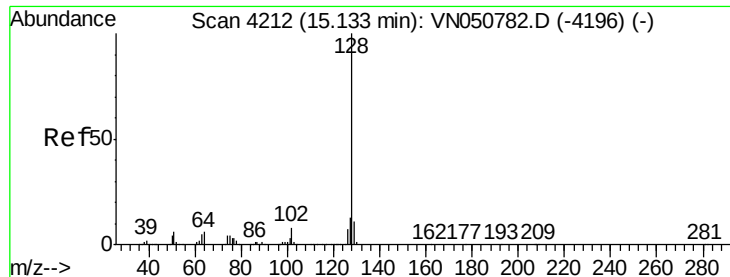
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.2	144.6
145	28.0	14.1	42.2



#94
 Hexachlorobutadiene
 Concen: 54.56 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050809.D
 Acq: 22 Aug 2018 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.3	93.8
227	63.5	32.0	96.2





#95

Naphthalene

Concen: 43.39 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

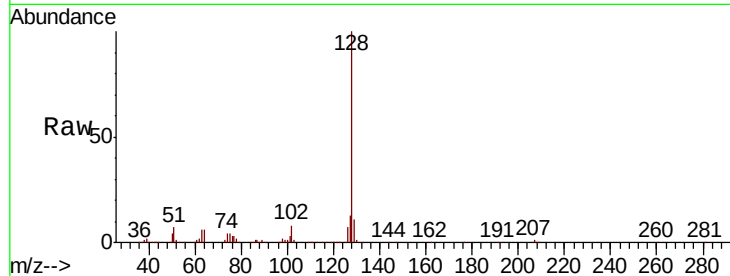
Tot Ion:128 Resp: 751281

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 10.8 8.7 13.1

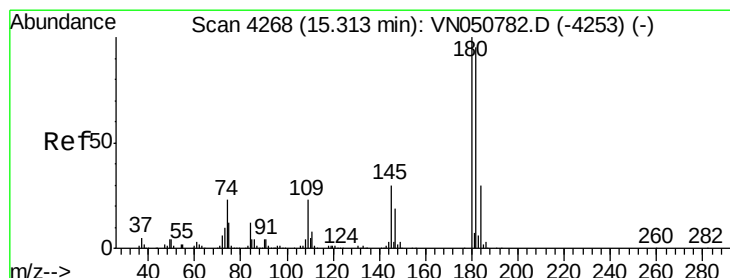
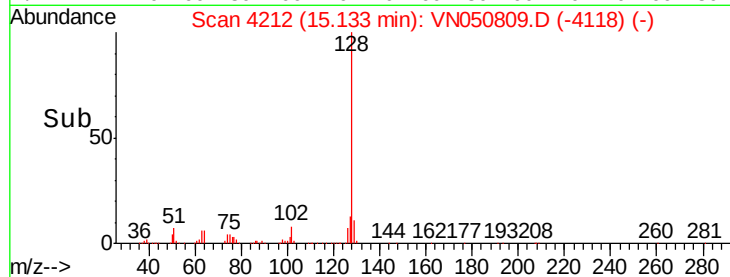
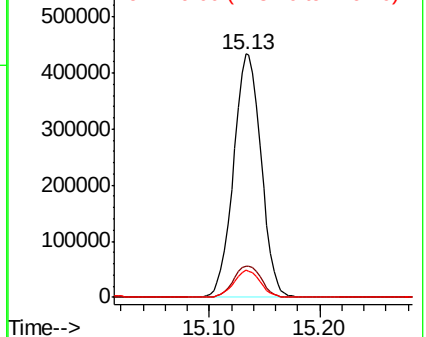


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.28 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050809.D

Acq: 22 Aug 2018 10:45

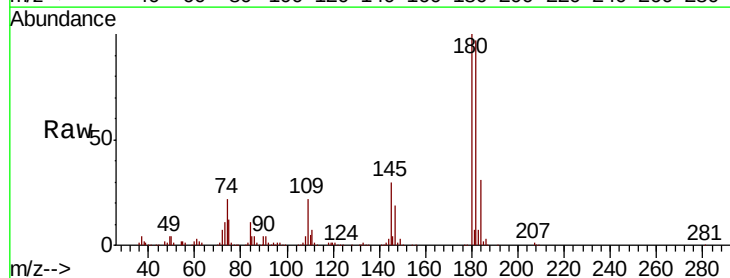
Tgt Ion:180 Resp: 382002

Ion Ratio Lower Upper

180 100

182 96.6 48.0 144.2

145 30.3 15.2 45.6



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

