

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050887.D
 Acq On : 27 Aug 2018 10:19
 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 28 01:32:49 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	653515	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	894595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	833160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	435466	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	378866	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.59	113	364863	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.09	98	1383176	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
62) 4-Bromofluorobenzene	12.40	95	468483	52.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	472100	53.98	ug/l	100
3) Chloromethane	2.06	50	512204	47.48	ug/l	99
4) Vinyl Chloride	2.18	62	503636	49.29	ug/l	100
5) Bromomethane	2.56	94	287163	49.44	ug/l	99
6) Chloroethane	2.70	64	289365	49.01	ug/l	100
7) Trichlorofluoromethane	3.01	101	660132	50.45	ug/l	99
8) Diethyl Ether	3.41	74	221928	49.88	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	423426	51.80	ug/l	99
10) Methyl Iodide	3.95	142	332334	46.79	ug/l	99
11) Tert butyl alcohol	4.79	59	119595	238.72	ug/l	99
12) 1,1-Dichloroethene	3.73	96	372244	50.71	ug/l	100
13) Acrolein	3.61	56	82743	280.48	ug/l	96
14) Allyl chloride	4.32	41	578910	50.62	ug/l	100
15) Acrylonitrile	4.99	53	651422	255.86	ug/l	99
16) Acetone	3.82	43	519881	279.90	ug/l	98
17) Carbon Disulfide	4.05	76	1135043	46.13	ug/l	100
18) Methyl Acetate	4.33	43	373722	50.31	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	972259	52.66	ug/l	99
20) Methylene Chloride	4.55	84	423004	47.71	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	396873	49.99	ug/l	98
22) Diisopropyl ether	5.95	45	1217524	53.42	ug/l	99
23) Vinyl Acetate	5.90	43	3792845	258.39	ug/l	100
24) 1,1-Dichloroethane	5.85	63	728259	49.77	ug/l	100
25) 2-Butanone	6.84	43	752722	237.41	ug/l	100
26) 2,2-Dichloropropane	6.82	77	599157	50.96	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	438925	51.28	ug/l	99
28) Bromochloromethane	7.19	49	305267	49.09	ug/l	99
29) Tetrahydrofuran	7.21	42	468838	257.92	ug/l	100
30) Chloroform	7.37	83	723491	49.93	ug/l	100
31) Cyclohexane	7.65	56	666839	50.14	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	623056	50.06	ug/l	100
36) 1,1-Dichloropropene	7.79	75	571768	54.16	ug/l	99
37) Ethyl Acetate	6.93	43	322771	53.23	ug/l	99
38) Carbon Tetrachloride	7.77	117	558576	52.35	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	641601	56.18	ug/l	100
40) Benzene	8.04	78	1688631	53.05	ug/l	100
41) Methacrylonitrile	7.17	41	154809	47.17	ug/l	92
42) 1,2-Dichloroethane	8.12	62	498716	52.40	ug/l	99
43) Isopropyl Acetate	8.17	43	551310	52.88	ug/l	100
44) Trichloroethene	8.83	130	444727	52.97	ug/l	98
45) 1,2-Dichloropropane	9.12	63	438181	52.37	ug/l	100
46) Dibromomethane	9.21	93	259189	52.72	ug/l	99
47) Bromodichloromethane	9.40	83	559061	54.30	ug/l	99
48) Methyl methacrylate	9.20	41	286519	53.92	ug/l	100
49) 1,4-Dioxane	9.20	88	77749	1073.32	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1590604	255.64	ug/l	99
52) Toluene	10.16	92	1052887	55.83	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	555202	54.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	650424	55.42	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	366531	52.37	ug/l	99
56) Ethyl methacrylate	10.43	69	449998	49.45	ug/l	100
57) 1,3-Dichloropropane	10.71	76	622910	53.92	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1004456	252.68	ug/l	100
59) 2-Hexanone	10.75	43	1095833	264.56	ug/l	99
60) Dibromochloromethane	10.90	129	430128	54.89	ug/l	99
61) 1,2-Dibromoethane	11.01	107	363310	53.68	ug/l	100
64) Tetrachloroethene	10.63	164	406777	51.40	ug/l	99
65) Chlorobenzene	11.43	112	1145752	52.61	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	426582	53.54	ug/l	100
67) Ethyl Benzene	11.51	91	1970212	55.65	ug/l	99
68) m/p-Xylenes	11.62	106	1535594	114.27	ug/l	100
69) o-Xylene	11.95	106	729195	56.44	ug/l	100
70) Styrene	11.96	104	1182117	51.87	ug/l	100
71) Bromoform	12.13	173	299735	54.70	ug/l	# 100
73) Isopropylbenzene	12.25	105	1955545	54.23	ug/l	100
74) N-amyl acetate	12.07	43	467354	51.58	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	458876	53.49	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	546091	71.60	ug/l	# 100
77) Bromobenzene	12.53	156	494973	50.51	ug/l	98
78) n-propylbenzene	12.59	91	2248954	55.83	ug/l	100
79) 2-Chlorotoluene	12.67	91	1325239	52.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1602176	55.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	119490	52.96	ug/l	99
82) 4-Chlorotoluene	12.77	91	1338524	54.04	ug/l	100
83) tert-Butylbenzene	12.99	119	1372462	54.47	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1638409	55.98	ug/l	100
85) sec-Butylbenzene	13.17	105	1851711	56.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	1638565	58.24	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	872207	52.45	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	843887	51.56	ug/l	100
89) n-Butylbenzene	13.62	91	1316791	58.52	ug/l	99
90) Hexachloroethane	13.87	117	294318	54.87	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	833469	51.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61916	47.81	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	405073	48.65	ug/l	99
94) Hexachlorobutadiene	15.01	225	271290	57.20	ug/l	99
95) Naphthalene	15.13	128	753469	44.03	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	394862	50.44	ug/l	98

(#) = 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: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

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ClientSampleId :

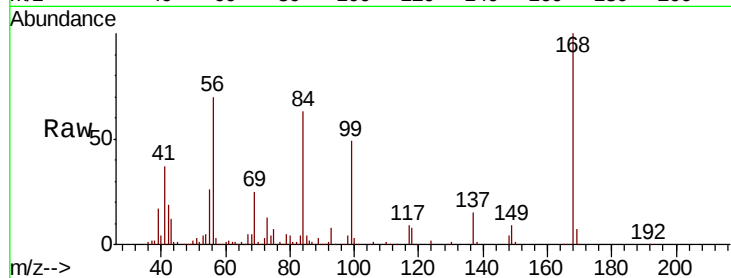
VSTDCCC050

Tot Ion:168 Resp: 653515

Ion Ratio Lower Upper

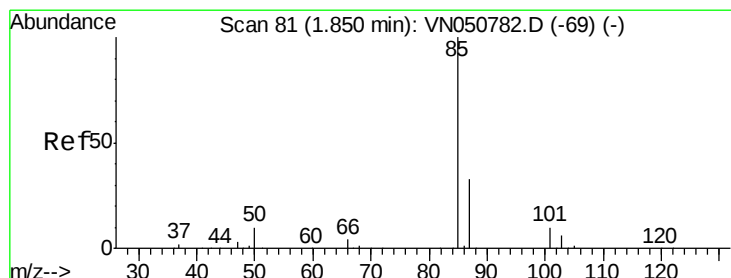
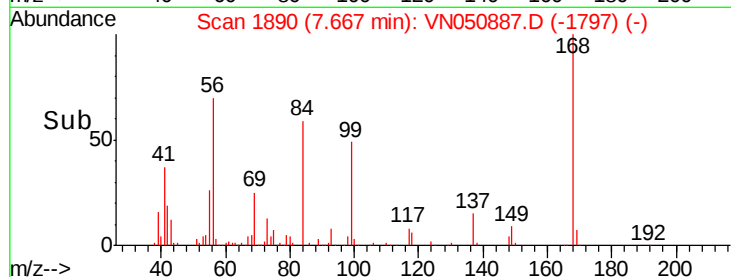
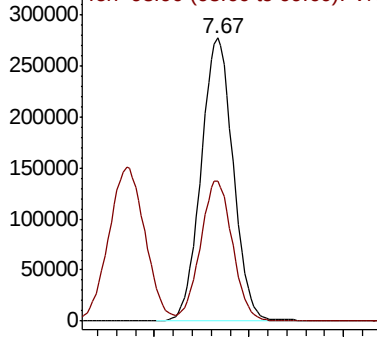
168 100

99 49.2 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 53.98 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050887.D

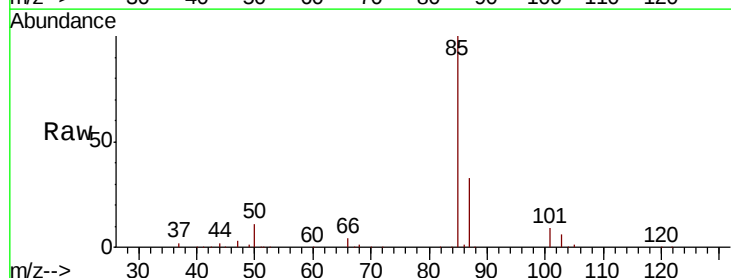
Acq: 27 Aug 2018 10:19

Tgt Ion: 85 Resp: 472100

Ion Ratio Lower Upper

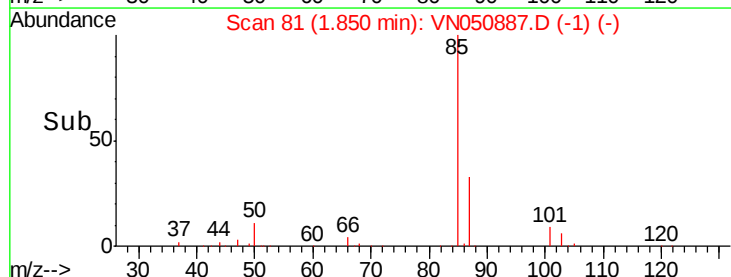
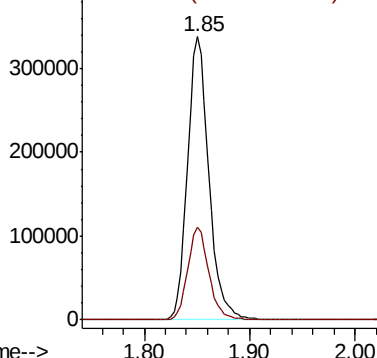
85 100

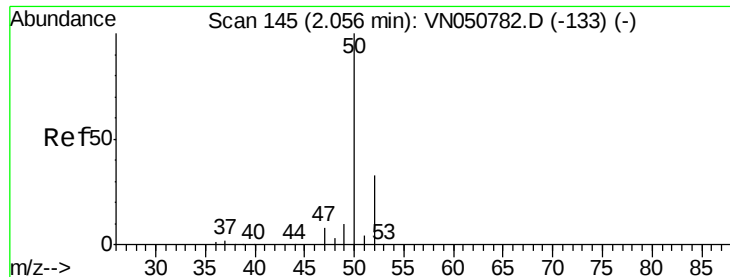
87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.48 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

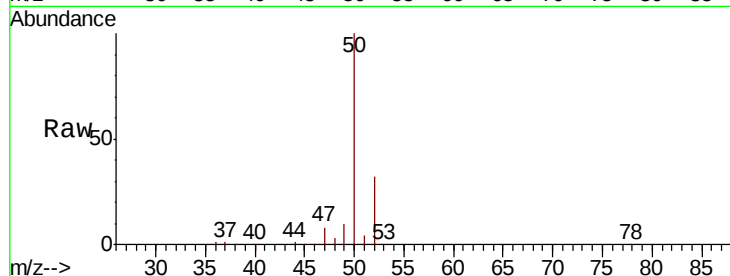
VSTDCCC050

Tot Ion: 50 Resp: 512204

Ion Ratio Lower Upper

50 100

52 32.2 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

400000

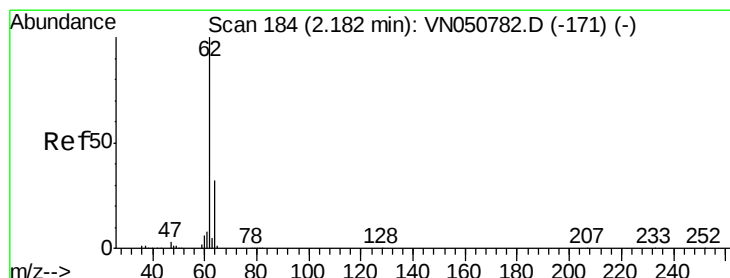
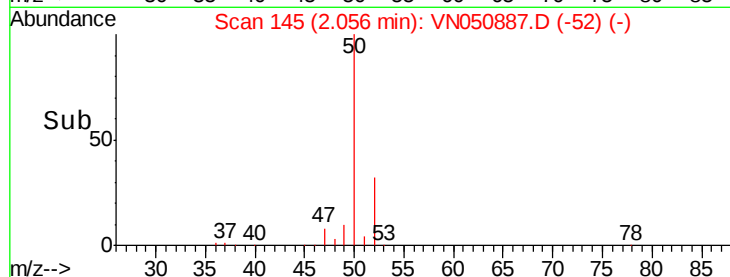
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 49.29 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050887.D

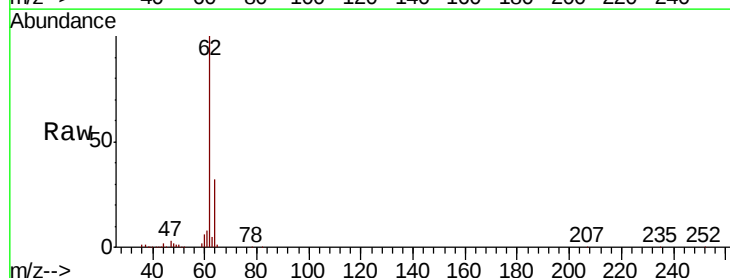
Acq: 27 Aug 2018 10:19

Tgt Ion: 62 Resp: 503636

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

400000

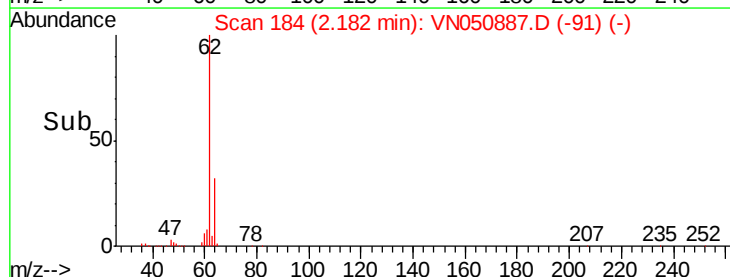
300000

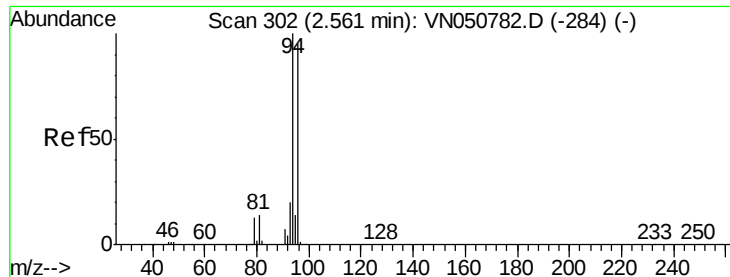
200000

100000

0

Time-->





#5

Bromomethane

Concen: 49.44 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

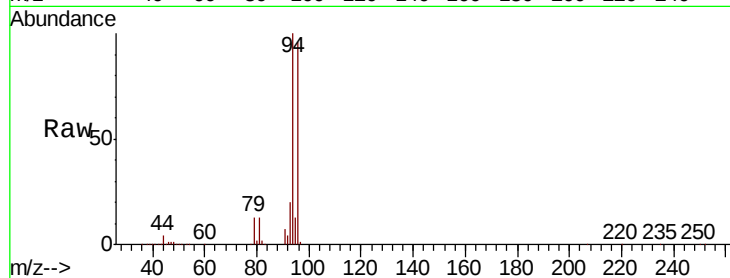
VSTDCCC050

Tot Ion: 94 Resp: 287163

Ion Ratio Lower Upper

94 100

96 95.8 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

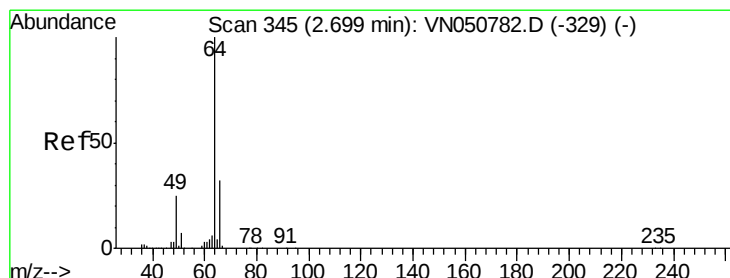
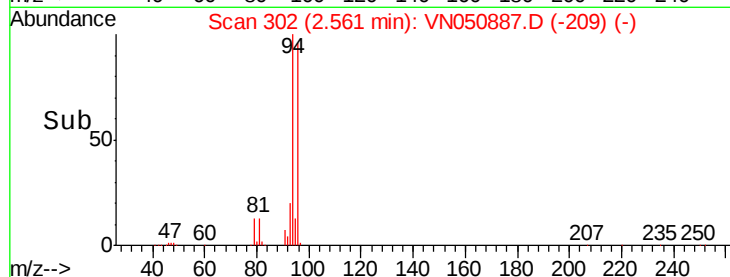
150000

100000

50000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 49.01 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050887.D

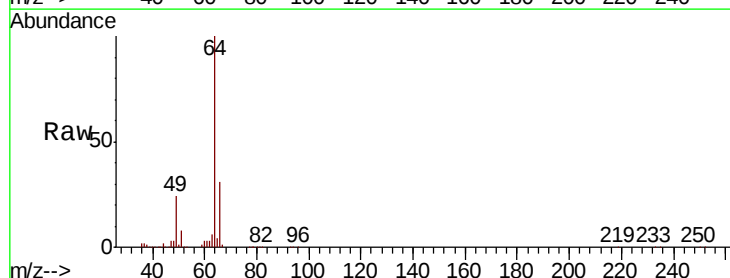
Acq: 27 Aug 2018 10:19

Tgt Ion: 64 Resp: 289365

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

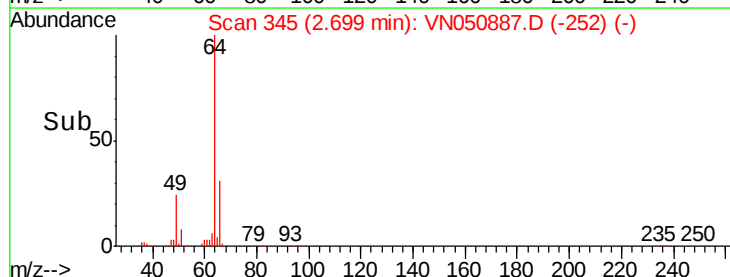
150000

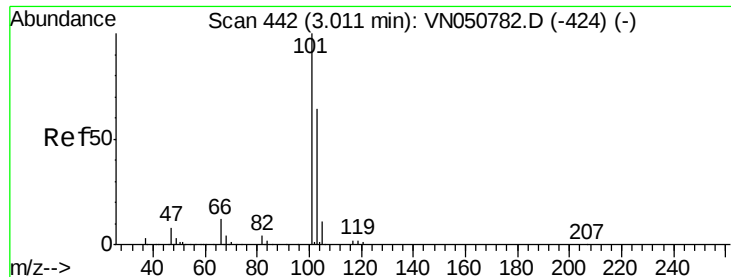
100000

50000

0

Time--> 2.60 2.70 2.80





#7

Trichlorofluoromethane

Concen: 50.45 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

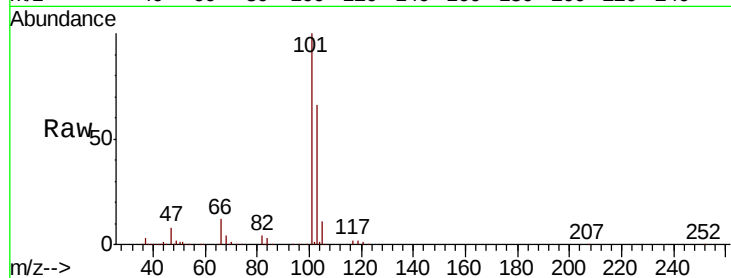
VSTDCCC050

Tot Ion:101 Resp: 660132

Ion Ratio Lower Upper

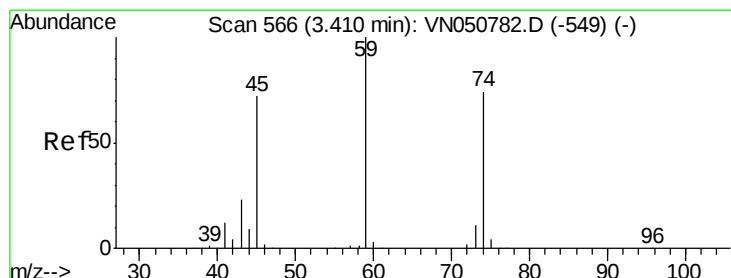
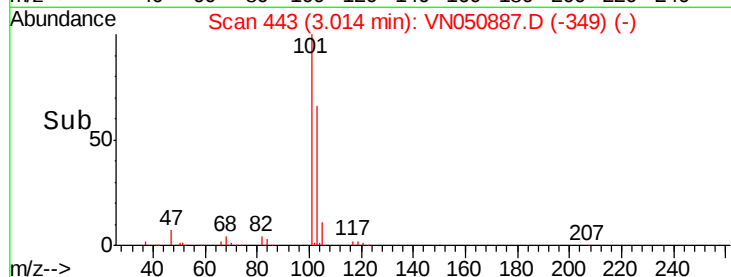
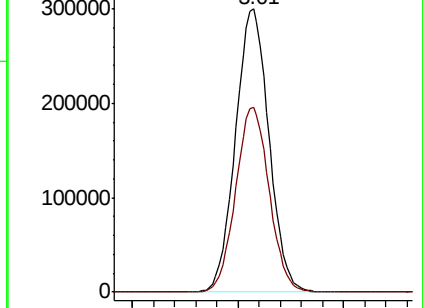
101 100

103 65.5 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: 49.88 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050887.D

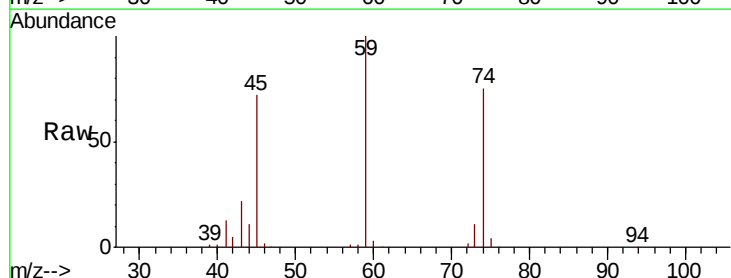
Acq: 27 Aug 2018 10:19

Tgt Ion: 74 Resp: 221928

Ion Ratio Lower Upper

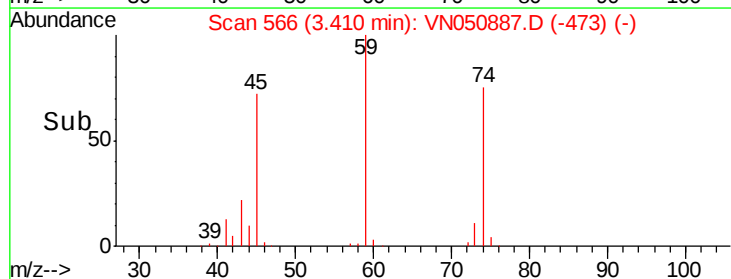
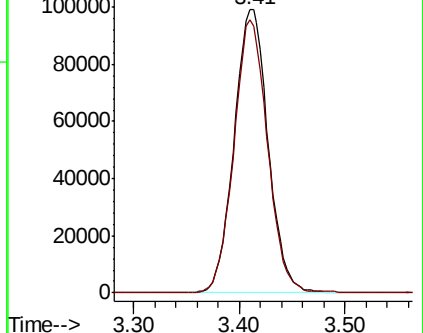
74 100

45 95.5 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: 51.80 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

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VSTDCCC050

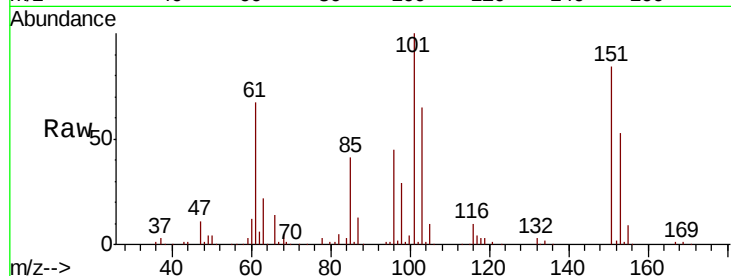
Tot Ion:101 Resp: 423426

Ion Ratio Lower Upper

101 100

85 41.1 33.7 50.5

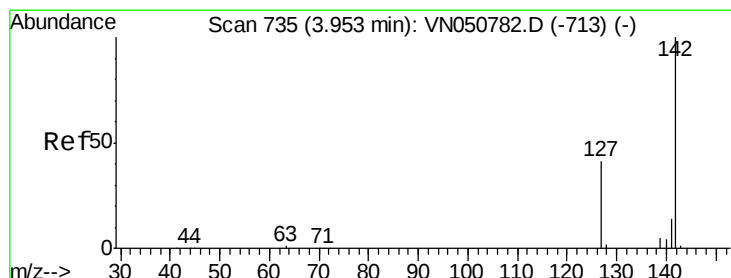
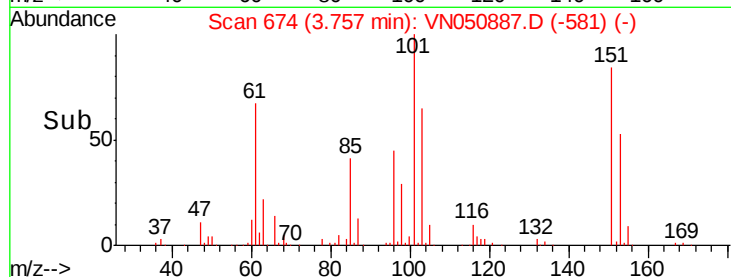
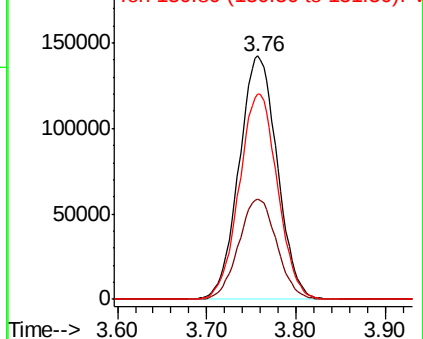
151 84.6 67.4 101.2



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: 46.79 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

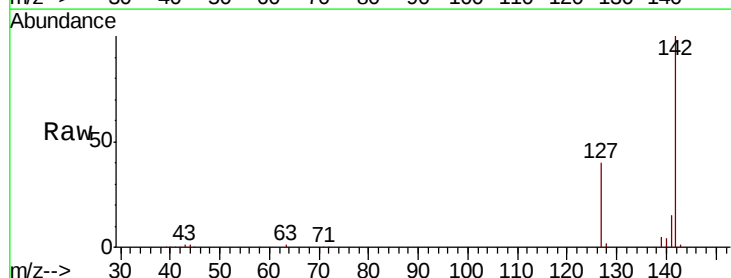
Tgt Ion:142 Resp: 332334

Ion Ratio Lower Upper

142 100

127 40.6 31.7 47.5

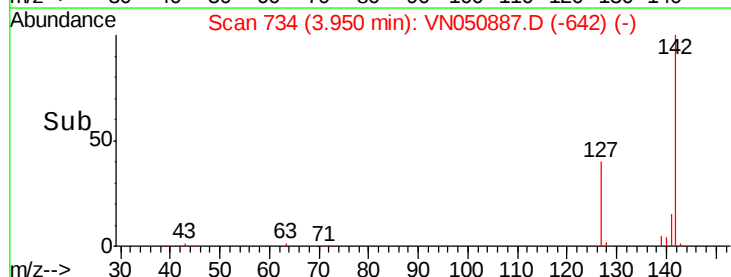
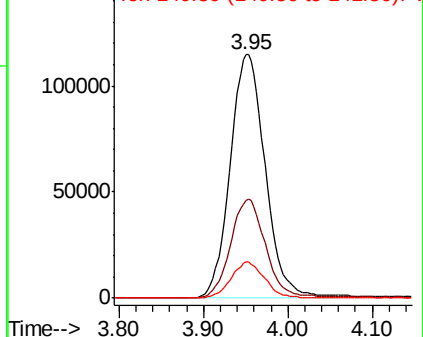
141 14.3 11.4 17.0

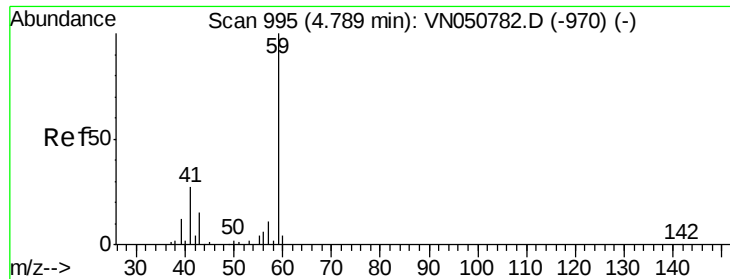


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



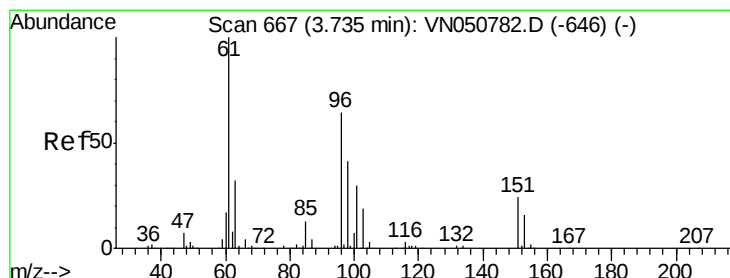
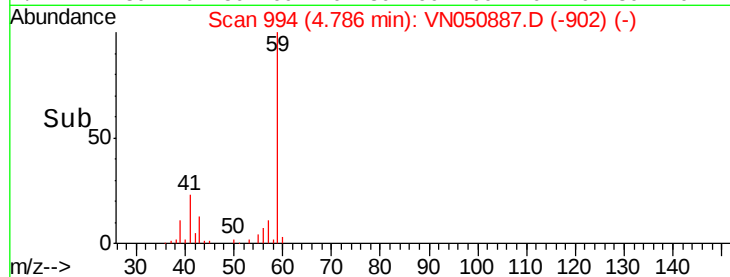
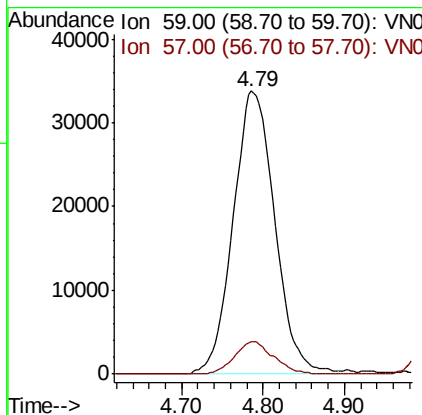
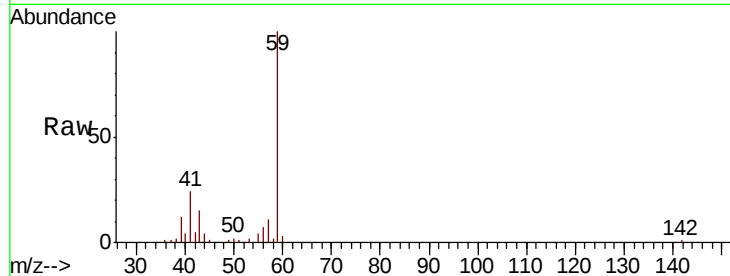


#11

Tert butyl alcohol
 Concen: 238.72 ug/l
 RT: 4.79 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

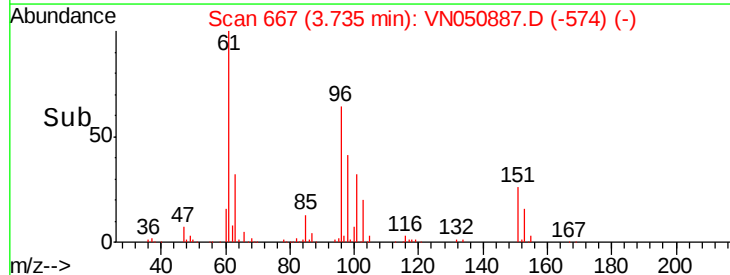
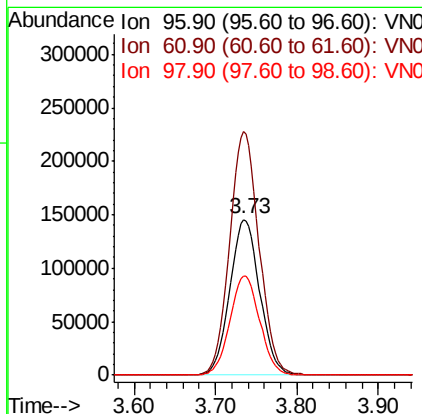
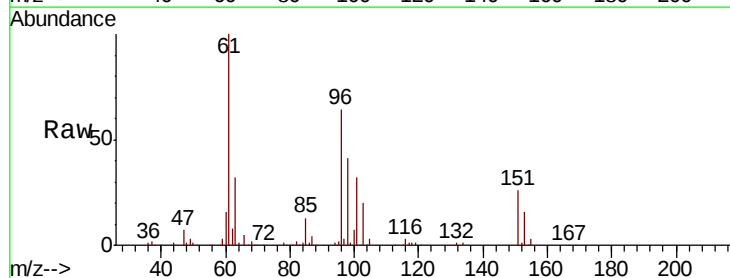
Tot Ion: 59 Resp: 119595
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 50.71 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion: 96 Resp: 372244
 Ion Ratio Lower Upper
 96 100
 61 156.3 124.9 187.3
 98 63.7 51.1 76.7





#13

Acrolein

Concen: 280.48 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

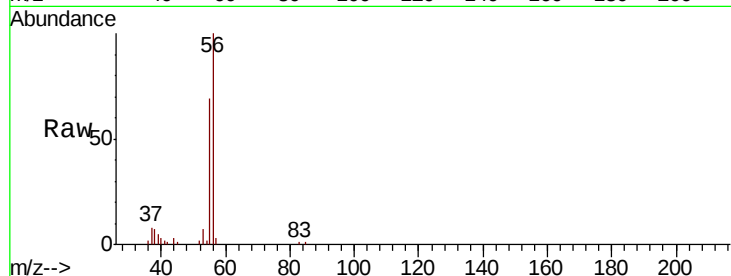
VSTDCCC050

Tot Ion: 56 Resp: 82743

Ion Ratio Lower Upper

56 100

55 68.7 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

40000

30000

20000

10000

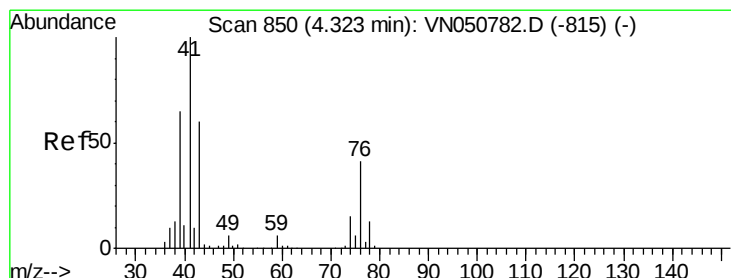
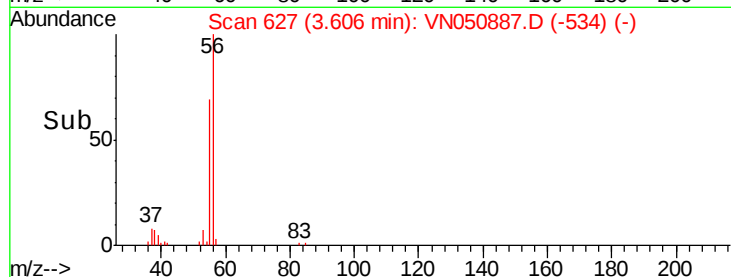
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 50.62 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

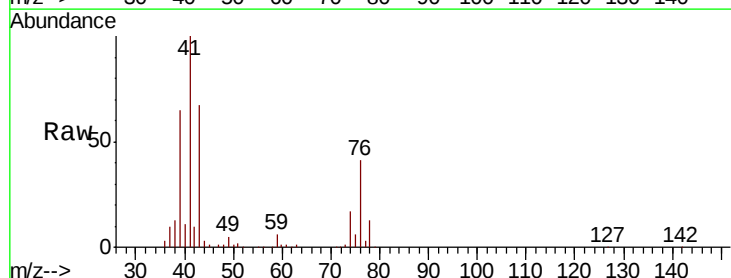
Tgt Ion: 41 Resp: 578910

Ion Ratio Lower Upper

41 100

39 62.6 50.2 75.2

76 37.8 29.8 44.8



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

250000

200000

150000

100000

50000

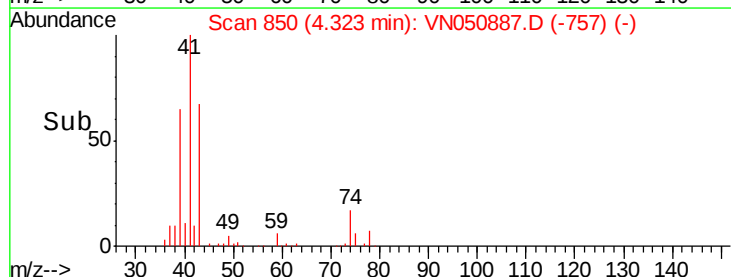
0

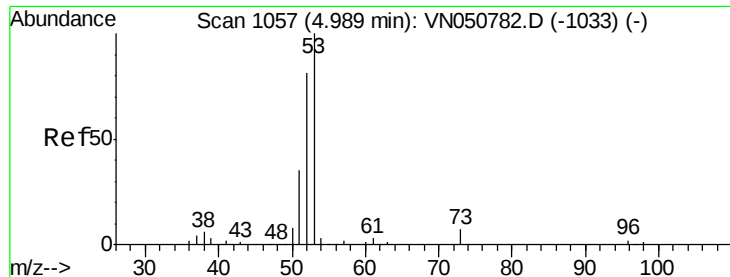
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 255.86 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

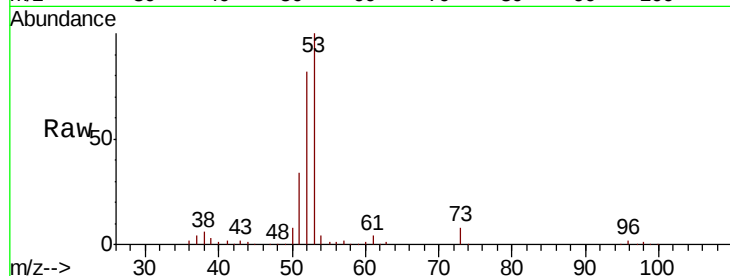
Tot Ion: 53 Resp: 651422

Ion Ratio Lower Upper

53 100

52 82.0 65.9 98.9

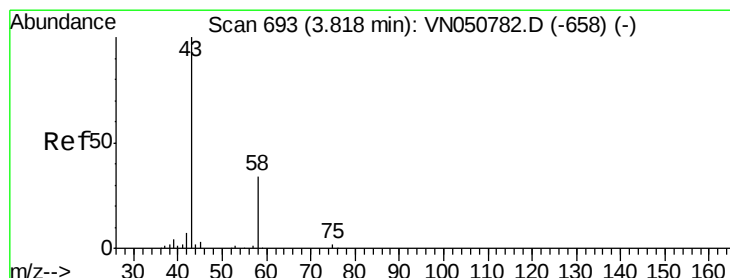
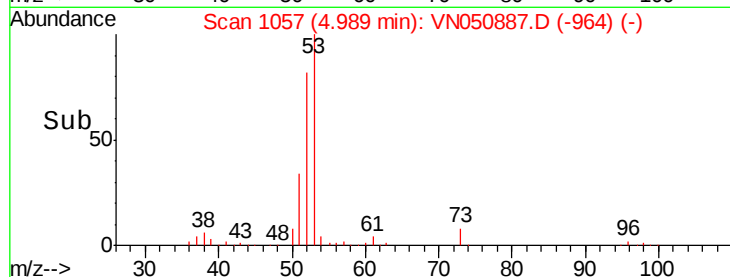
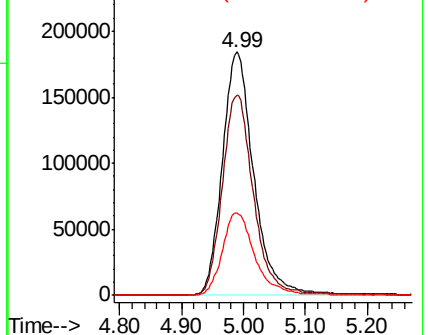
51 34.8 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 279.90 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050887.D

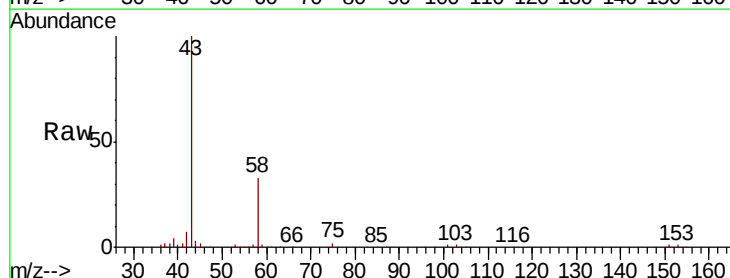
Acq: 27 Aug 2018 10:19

Tgt Ion: 43 Resp: 519881

Ion Ratio Lower Upper

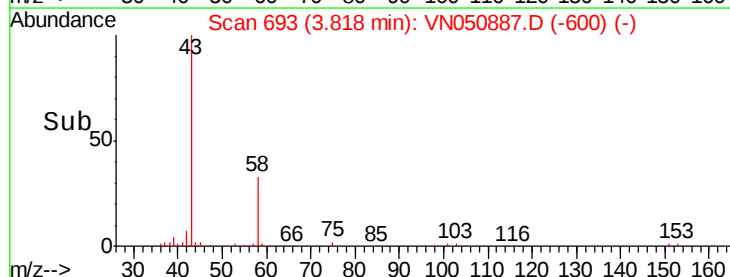
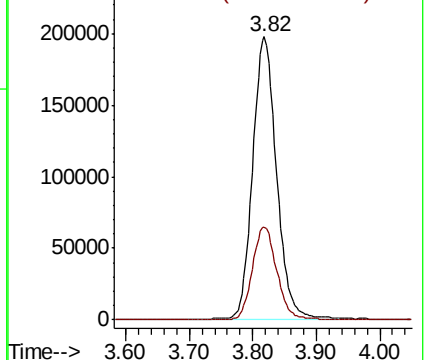
43 100

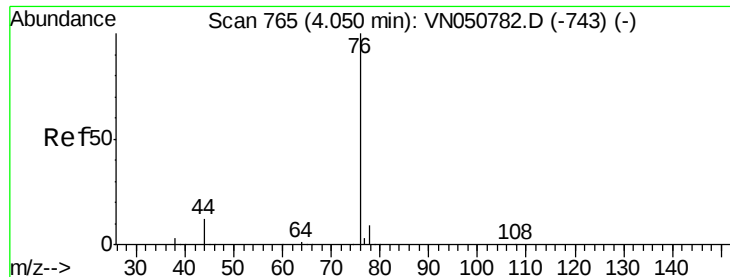
58 32.9 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

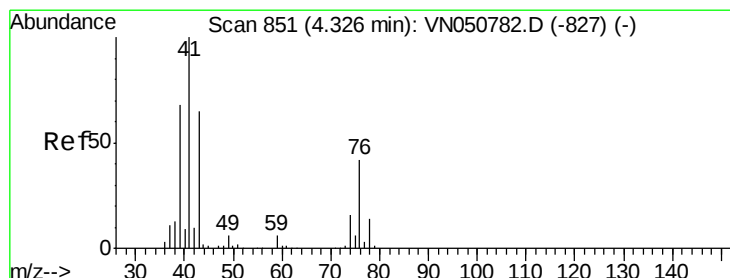
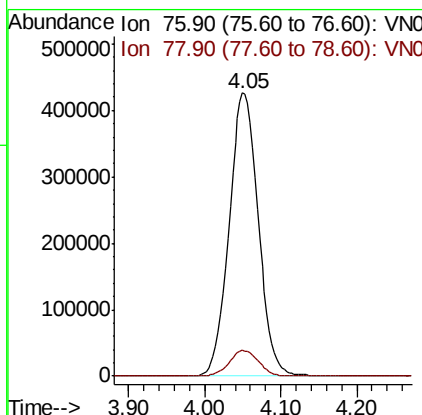
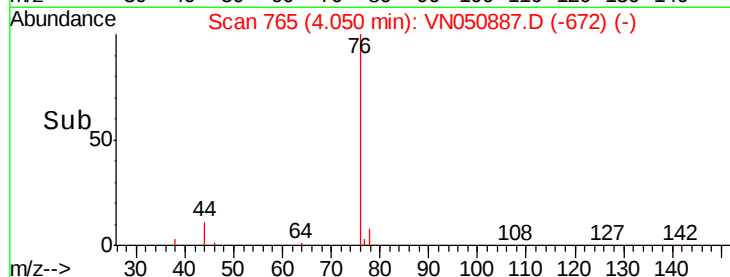
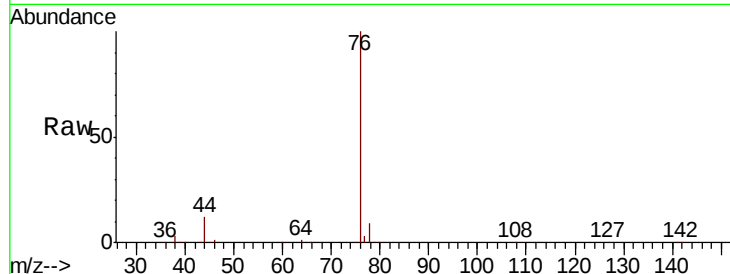




#17
Carbon Disulfide
Concen: 46.13 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

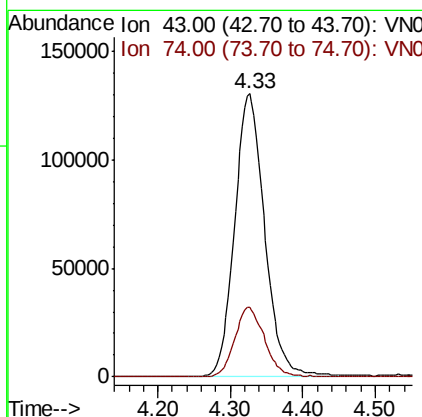
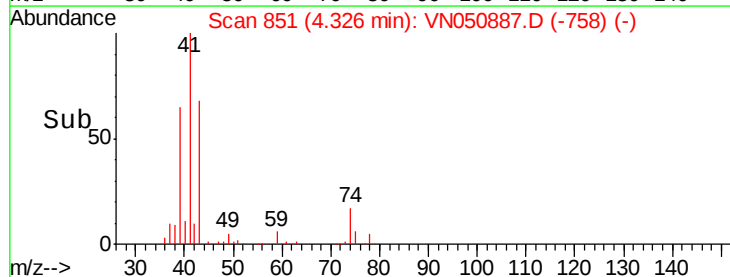
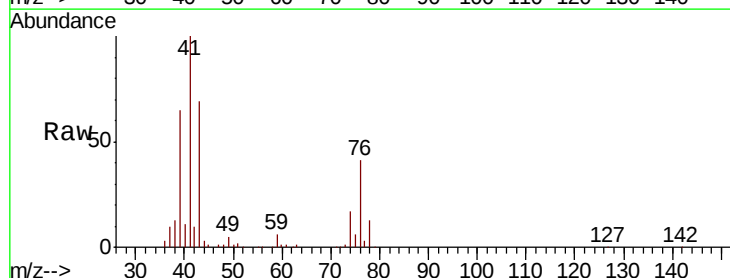
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1135043
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 50.31 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 43 Resp: 373722
Ion Ratio Lower Upper
43 100
74 24.5 19.8 29.8

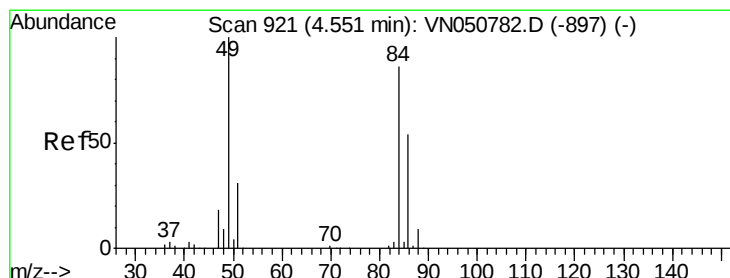
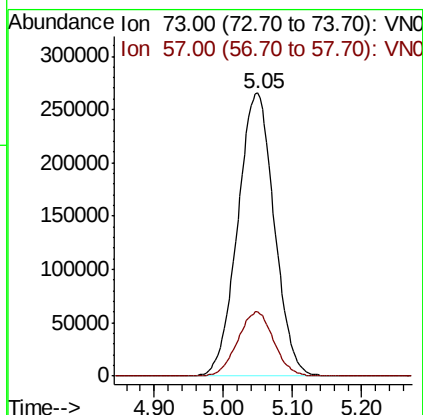
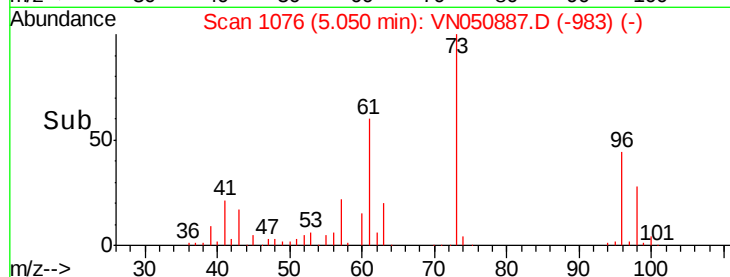
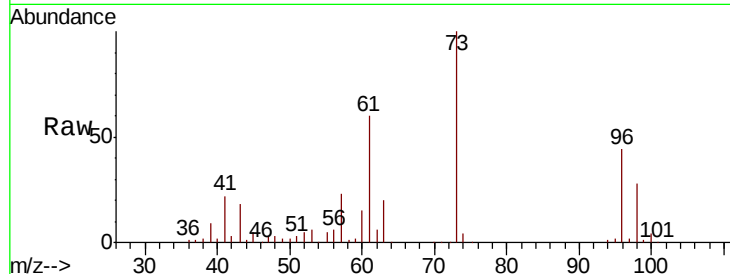




#19
Methyl tert-butyl Ether
Concen: 52.66 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

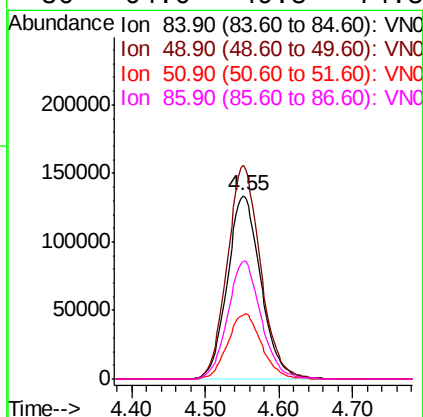
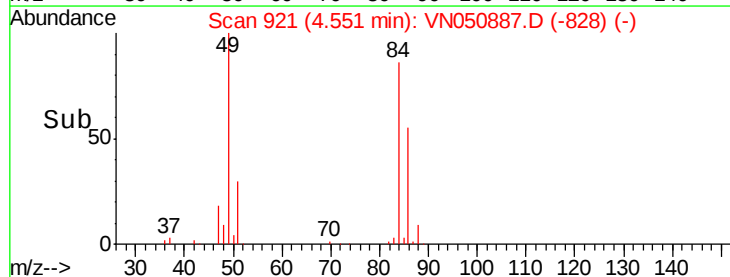
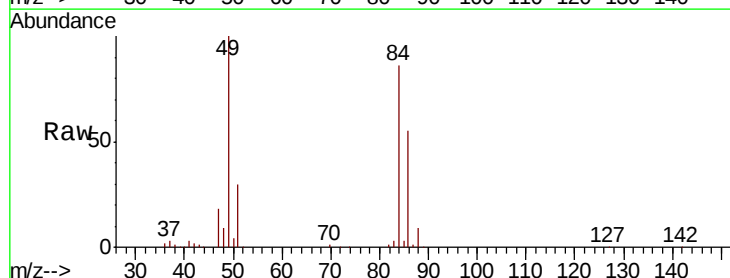
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

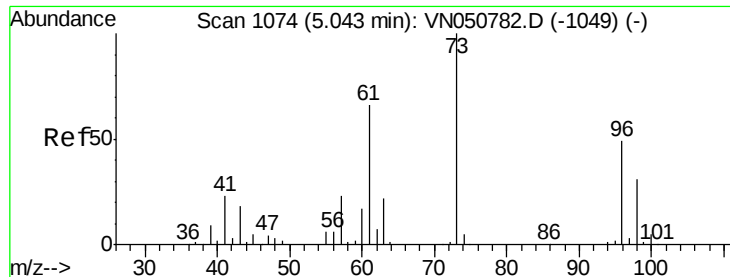
Tot Ion: 73 Resp: 972259
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.8



#20
Methylene Chloride
Concen: 47.71 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 84 Resp: 423004
Ion Ratio Lower Upper
84 100
49 116.3 93.2 139.8
51 35.1 29.0 43.6
86 64.6 49.8 74.8

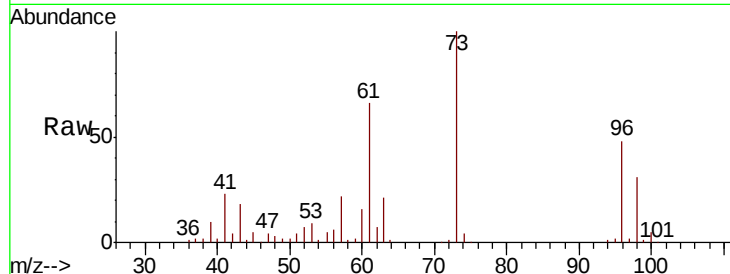




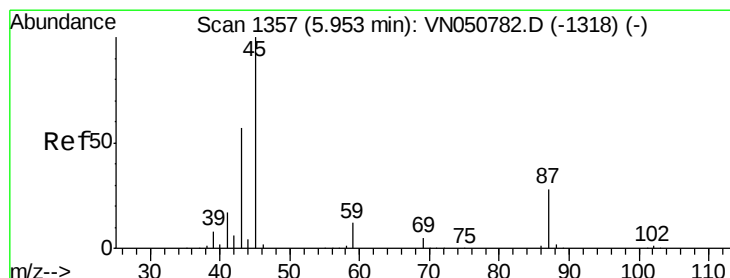
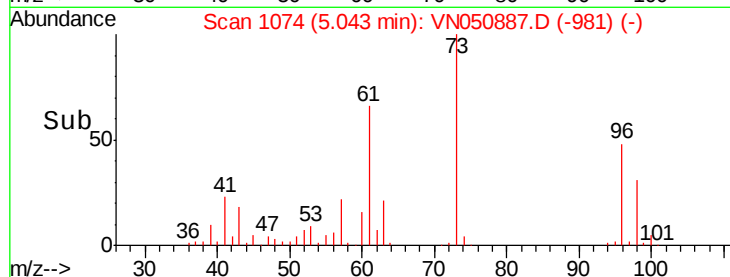
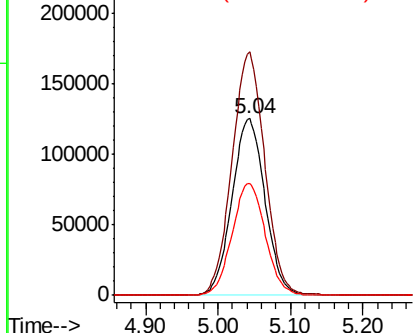
#21
trans-1,2-Dichloroethene
Concen: 49.99 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 396873
Ion Ratio Lower Upper
96 100
61 137.9 107.4 161.0
98 63.6 50.7 76.1

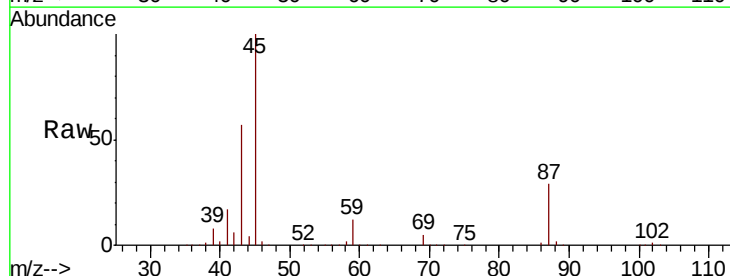


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

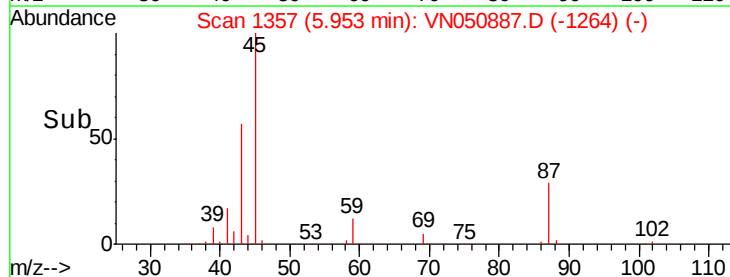
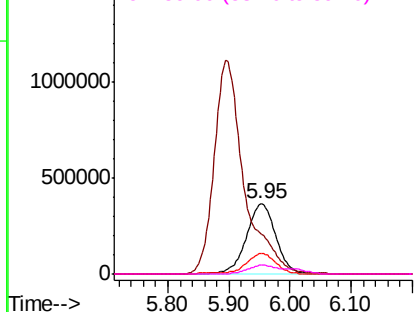


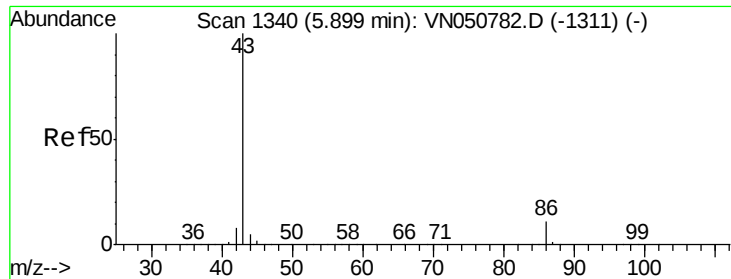
#22
Diisopropyl ether
Concen: 53.42 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 45 Resp: 1217524
Ion Ratio Lower Upper
45 100
43 56.6 45.9 68.9
87 28.9 22.7 34.1
59 12.1 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: 258.39 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

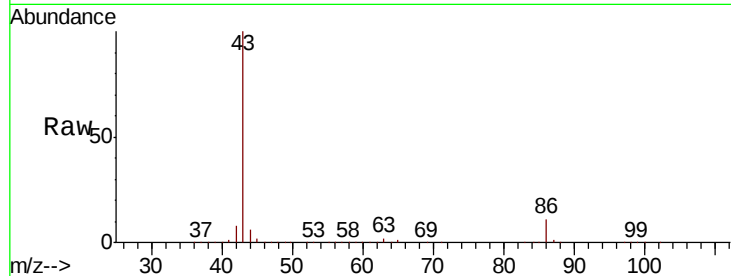
VSTDCCC050

Tot Ion: 43 Resp: 3792845

Ion Ratio Lower Upper

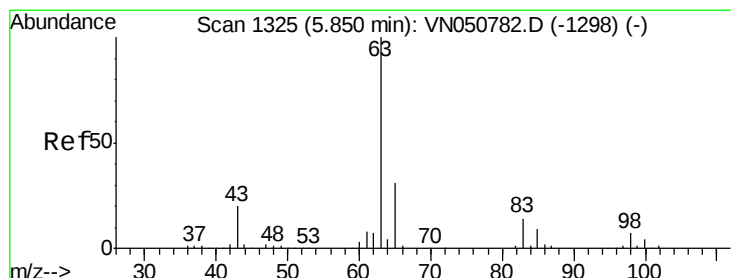
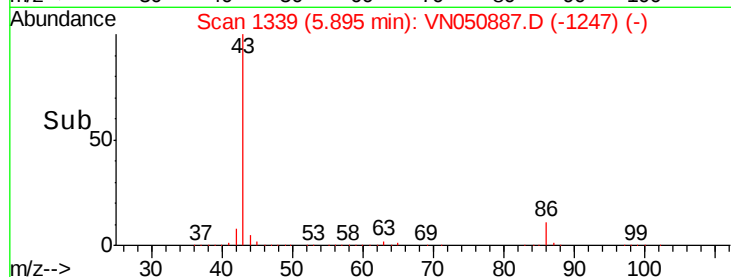
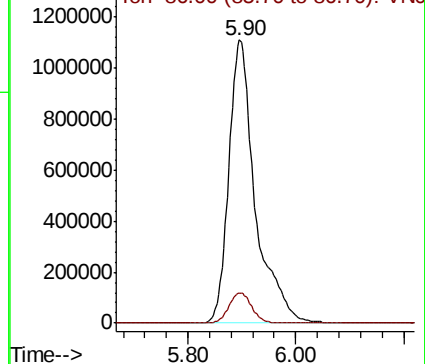
43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.77 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

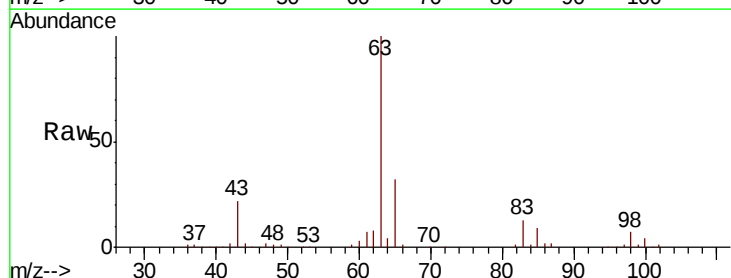
Tgt Ion: 63 Resp: 728259

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

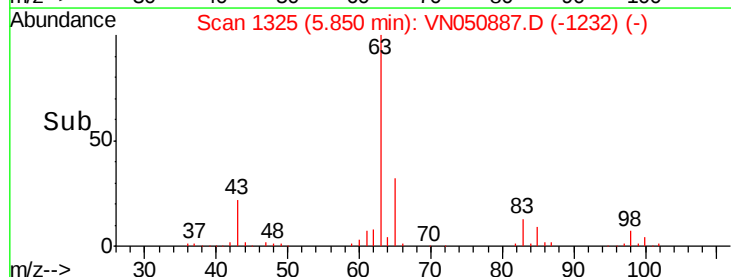
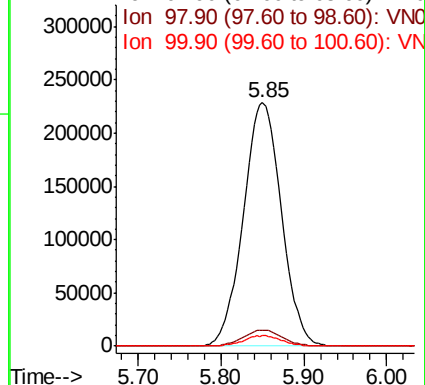
100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 237.41 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

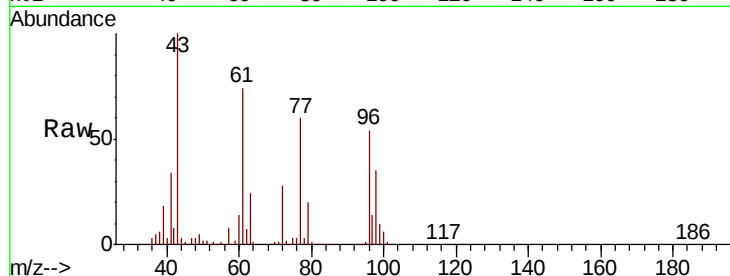
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 752722

Ion Ratio Lower Upper

43 100

72 27.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

250000

200000

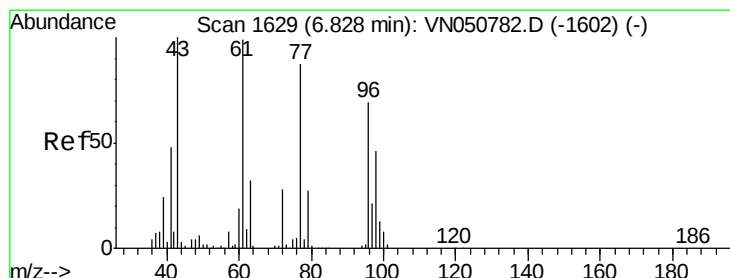
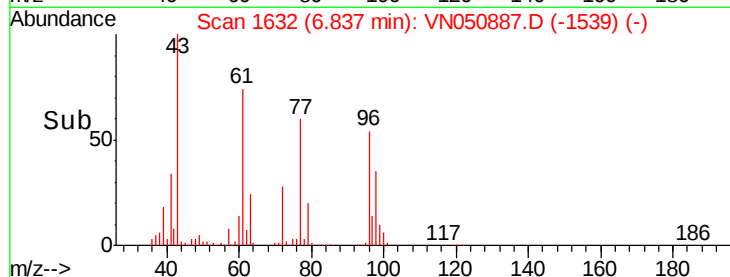
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 50.96 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050887.D

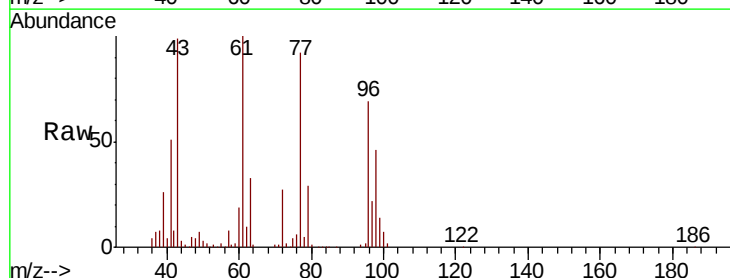
Acq: 27 Aug 2018 10:19

Tgt Ion: 77 Resp: 599157

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

200000

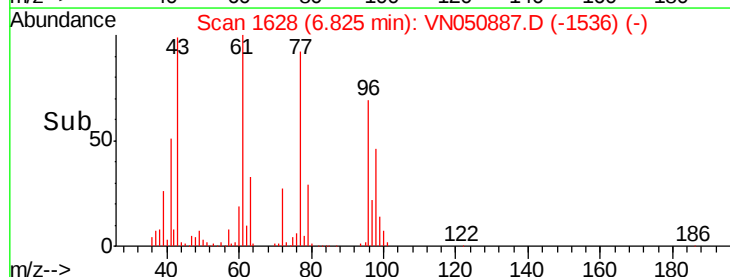
150000

100000

50000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 51.28 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

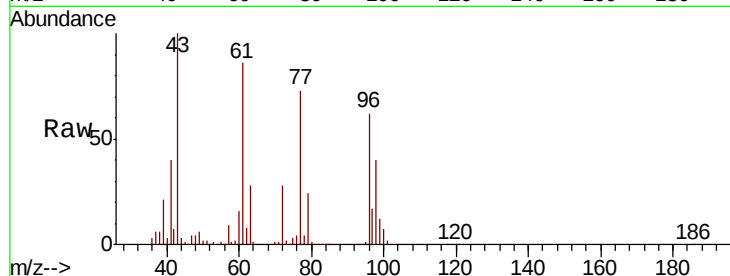
Tot Ion: 96 Resp: 438925

Ion Ratio Lower Upper

96 100

61 142.6 0.0 283.4

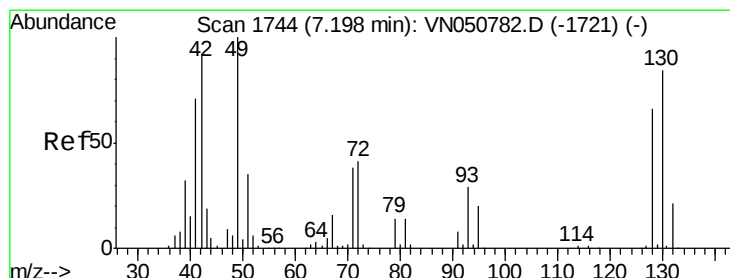
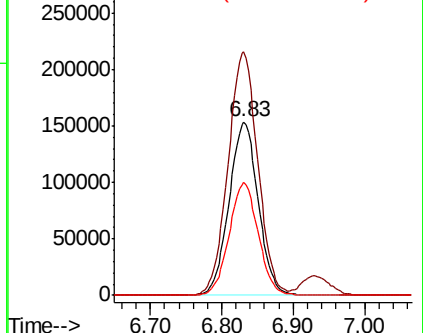
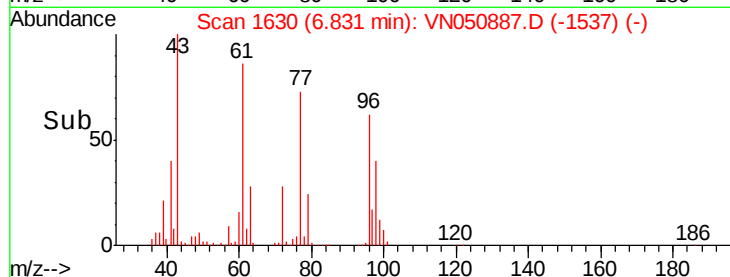
98 64.6 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN050887.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN050887.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN050887.D (-1537) (-)



#28

Bromochloromethane

Concen: 49.09 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

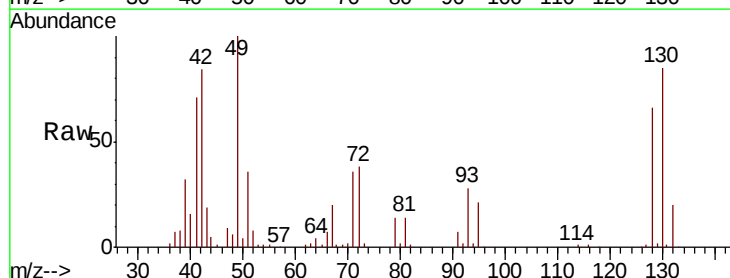
Tgt Ion: 49 Resp: 305267

Ion Ratio Lower Upper

49 100

129 0.7 0.0 4.2

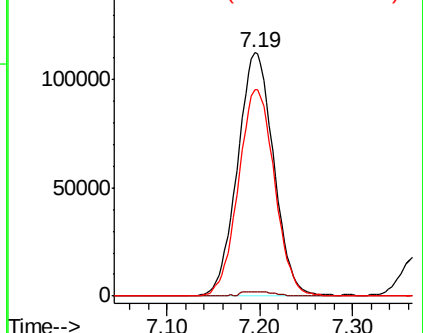
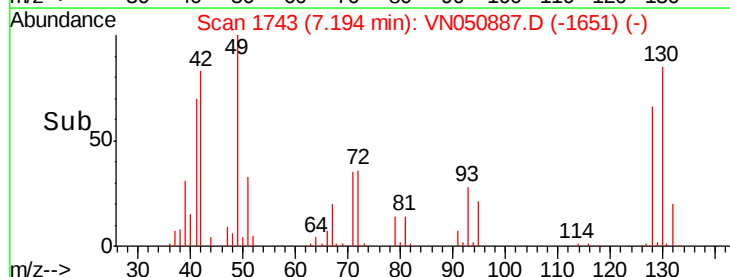
130 84.7 67.1 100.7

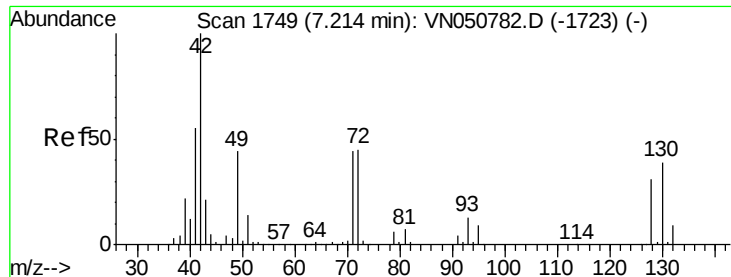


Abundance Ion 48.90 (48.60 to 49.60): VN050887.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050887.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050887.D (-1651) (-)

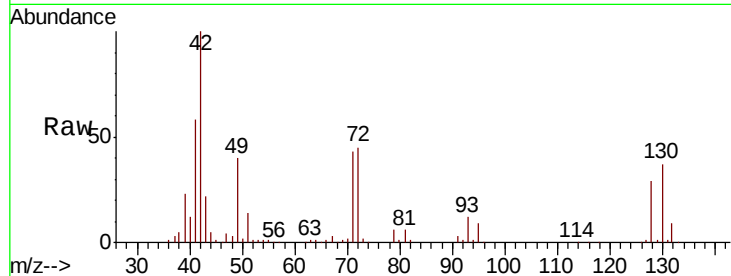




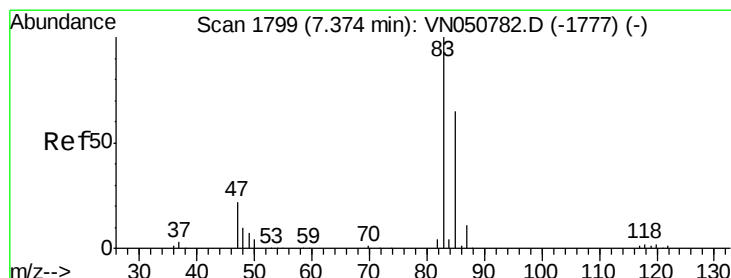
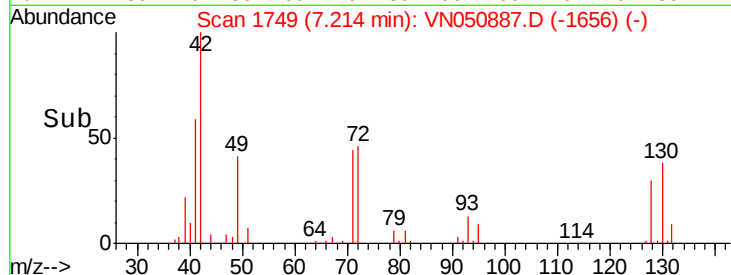
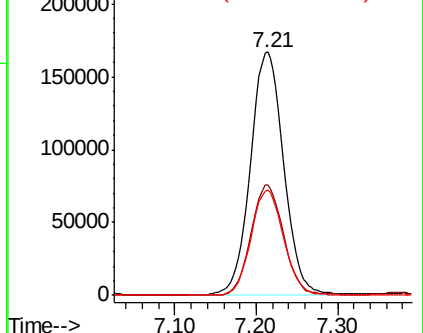
#29
Tetrahydrofuran
Concen: 257.92 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 468838
Ion Ratio Lower Upper
42 100
72 44.4 35.5 53.3
71 42.7 33.7 50.5

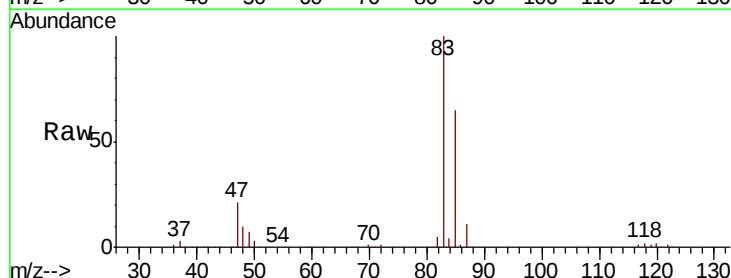


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

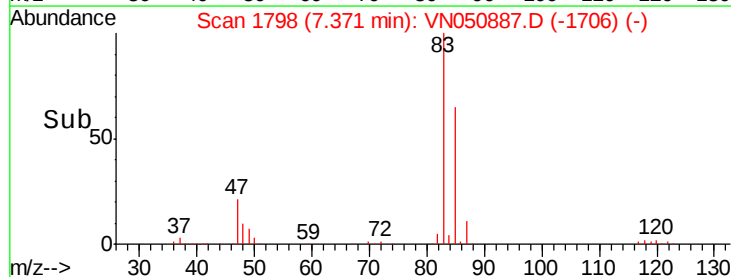
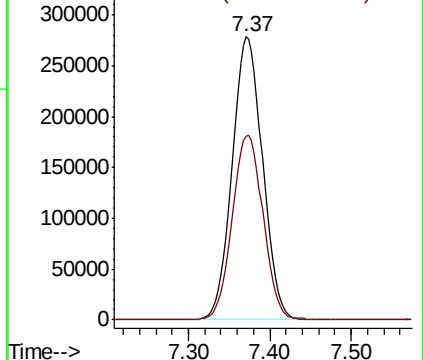


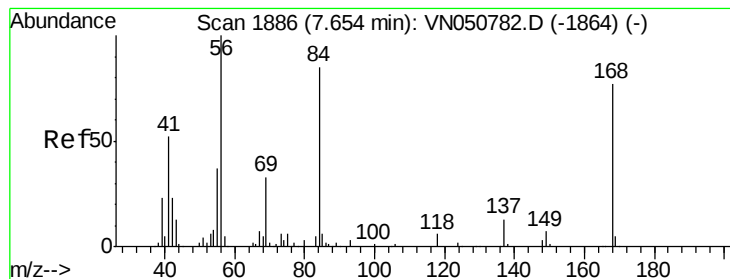
#30
Chloroform
Concen: 49.93 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 83 Resp: 723491
Ion Ratio Lower Upper
83 100
85 65.0 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: 50.14 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

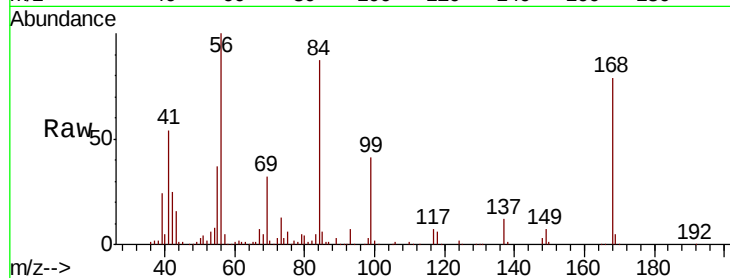
Tot Ion: 56 Resp: 666839

Ion Ratio Lower Upper

56 100

69 31.7 26.2 39.4

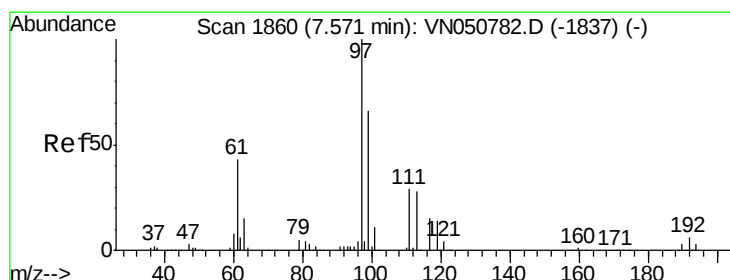
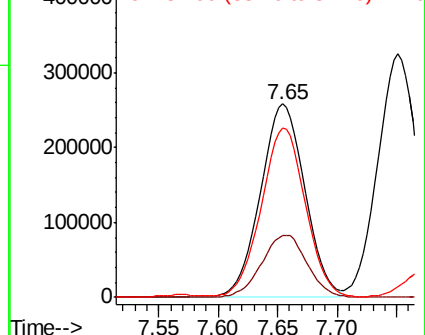
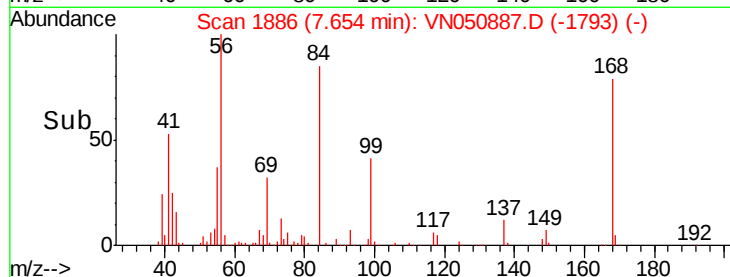
84 86.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN050887.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050887.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050887.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 50.06 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

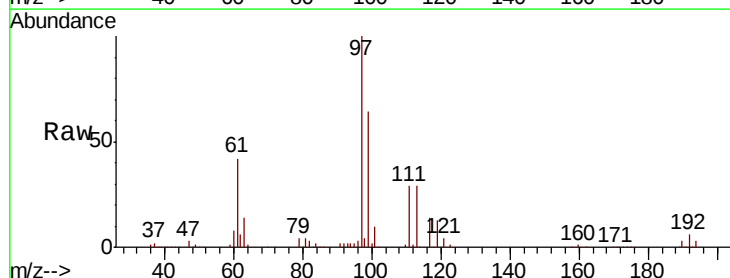
Tgt Ion: 97 Resp: 623056

Ion Ratio Lower Upper

97 100

99 64.6 51.8 77.6

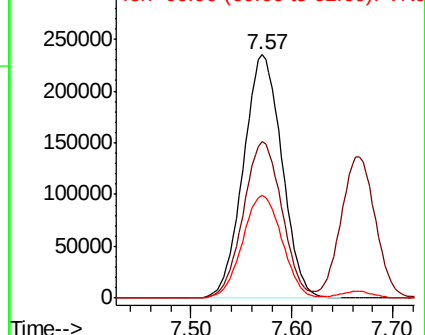
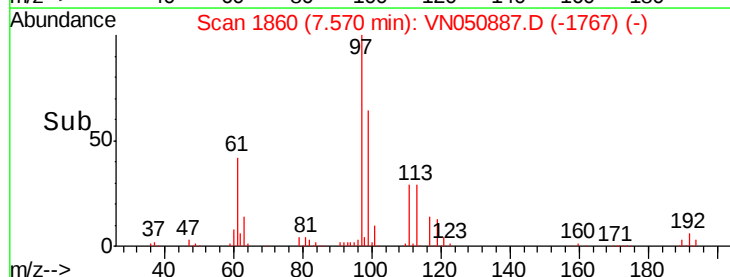
61 43.1 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN050887.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN050887.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN050887.D (-1767) (-)

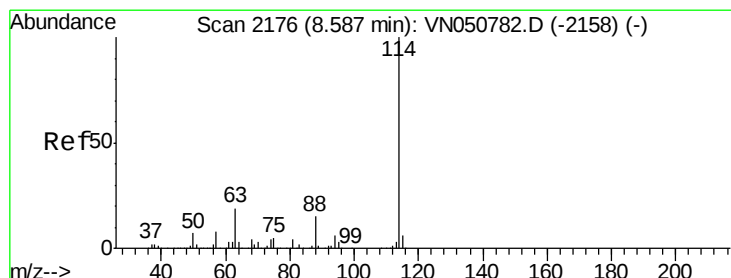
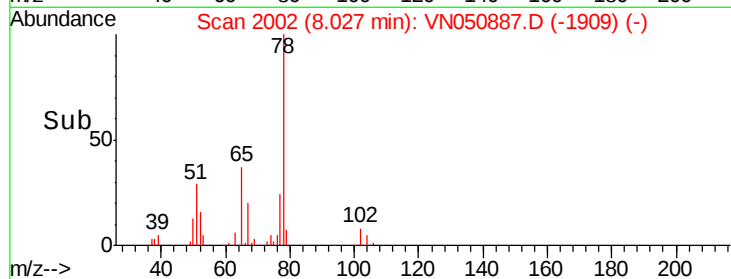
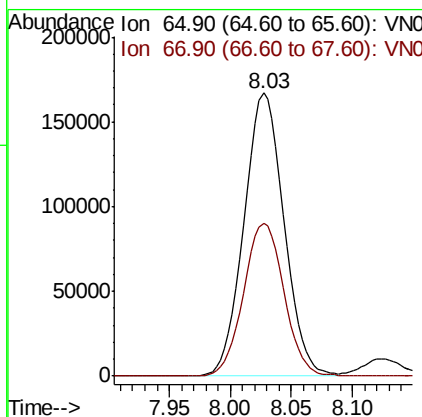
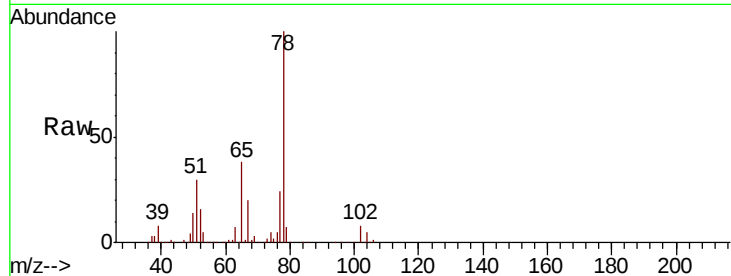




#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

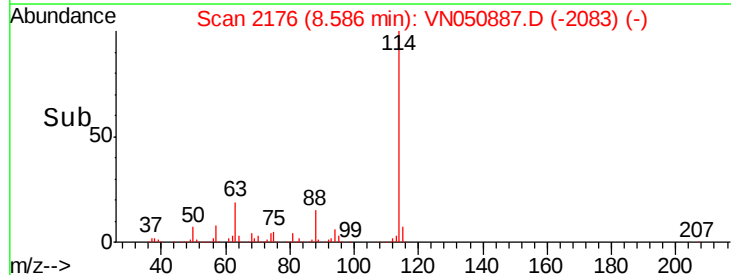
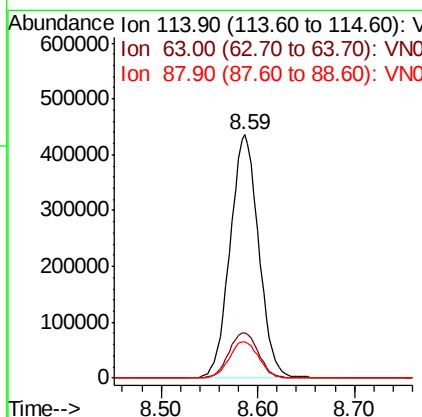
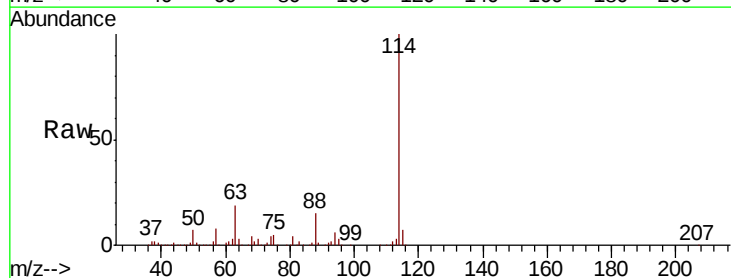
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

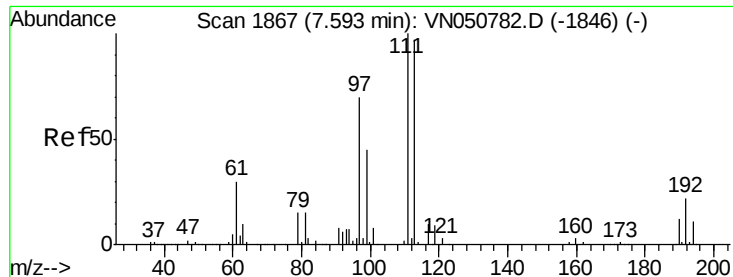
Tot Ion: 65 Resp: 378866
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion: 114 Resp: 894595
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.1 0.0 30.6

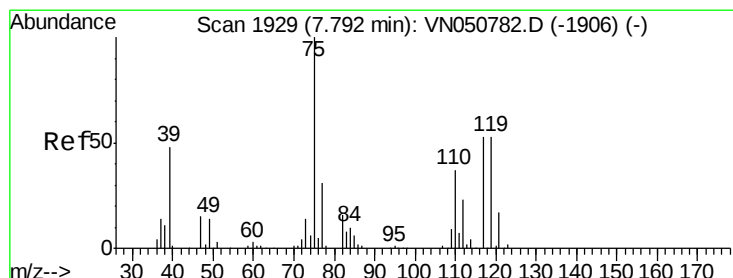
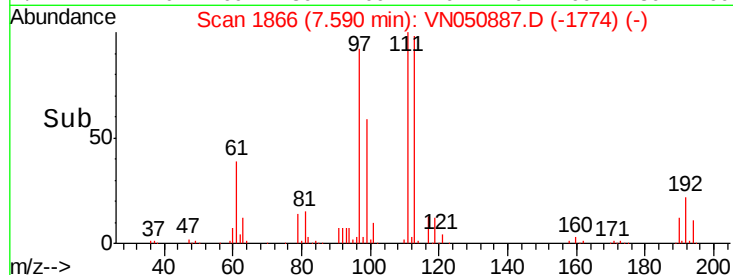
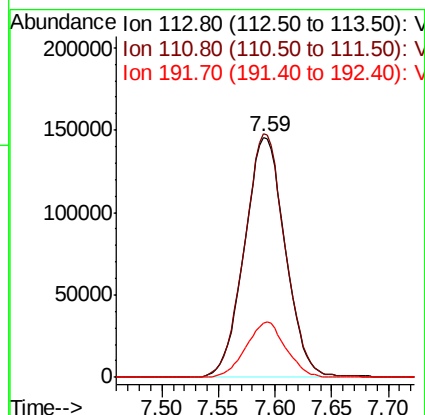
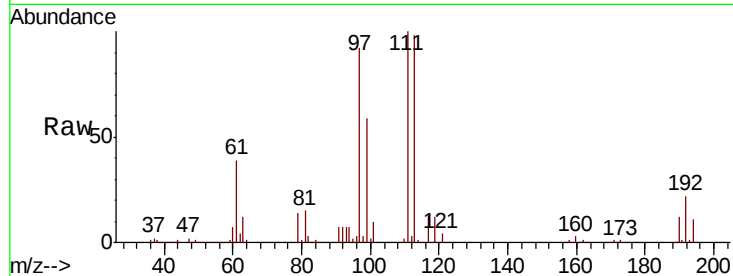




#35
 Dibromofluoromethane
 Concen: 51.27 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

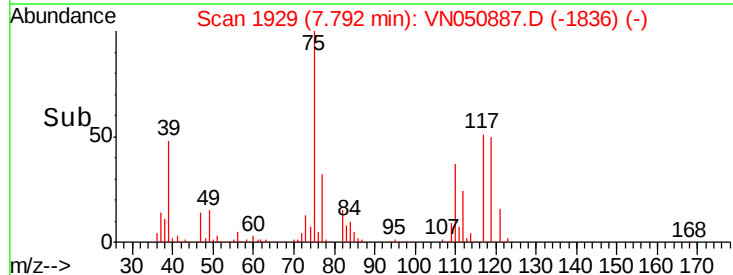
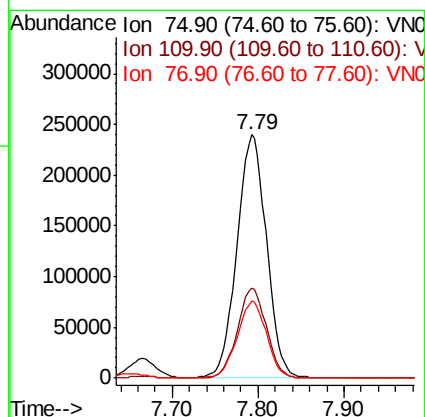
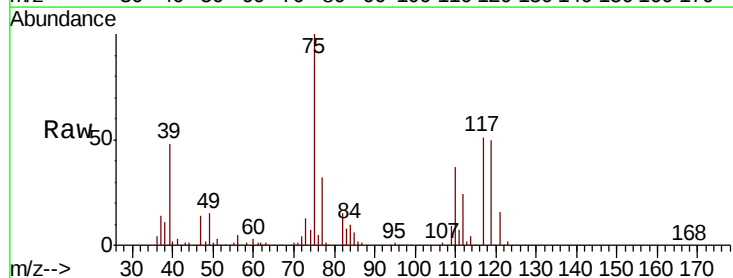
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

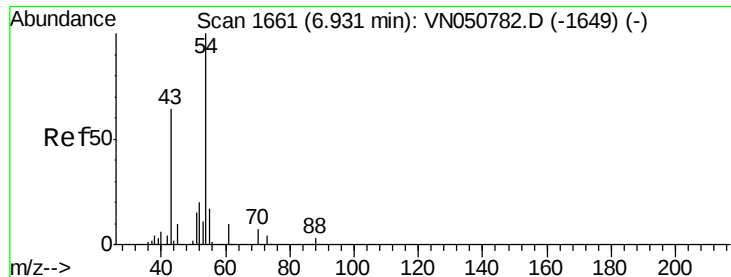
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	123.8
192	22.6	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 54.16 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.1	54.4
77	31.7	24.8	37.2

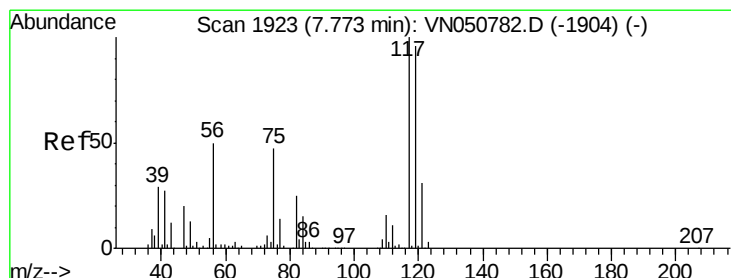
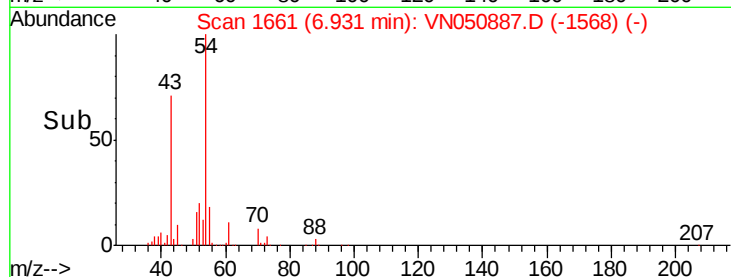
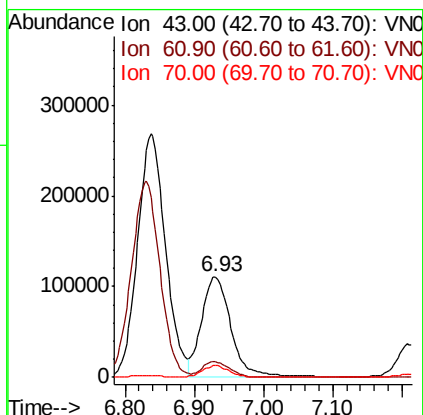
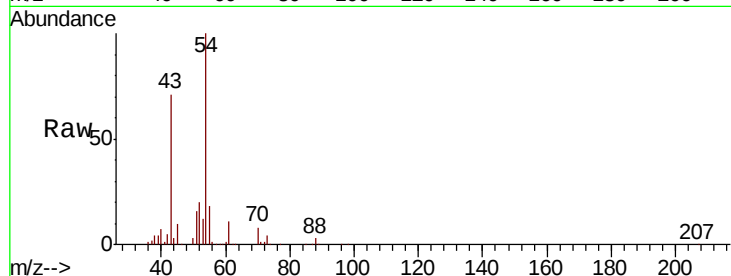




#37
Ethyl Acetate
Concen: 53.23 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

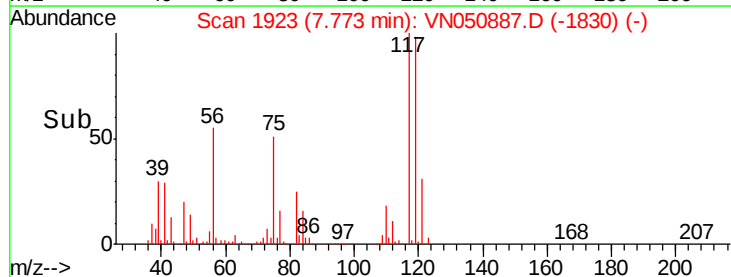
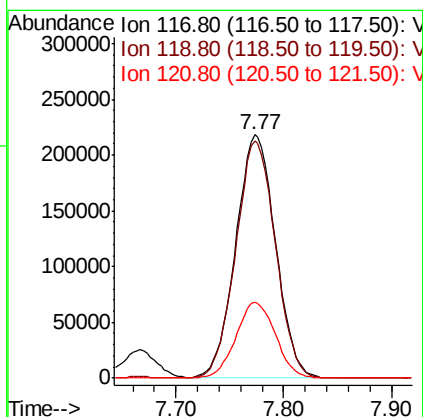
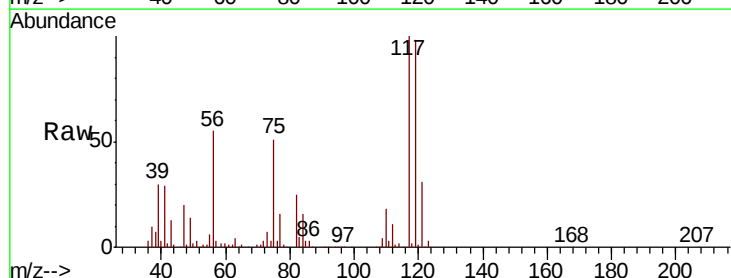
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

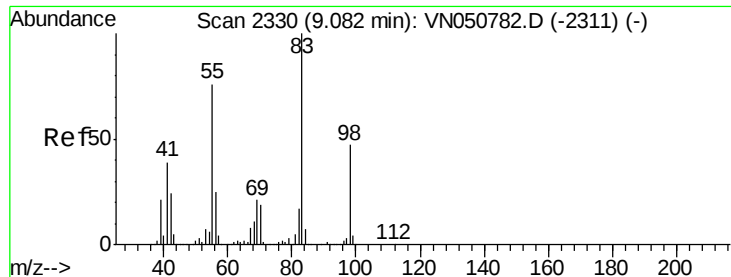
Tot Ion: 43 Resp: 322771
Ion Ratio Lower Upper
43 100
61 14.5 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 52.35 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 117 Resp: 558576
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 31.4 24.6 36.8

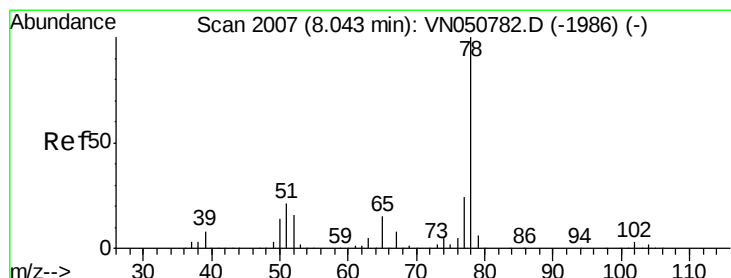
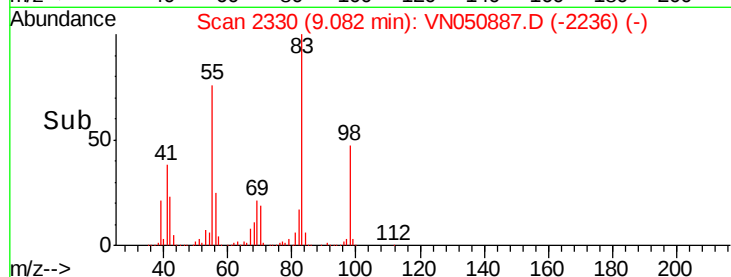
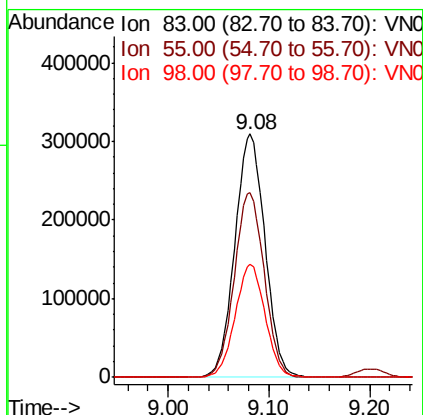
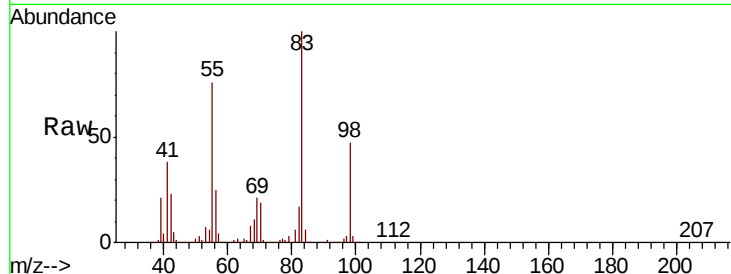




#39
Methvlcvclohexane
Concen: 56.18 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

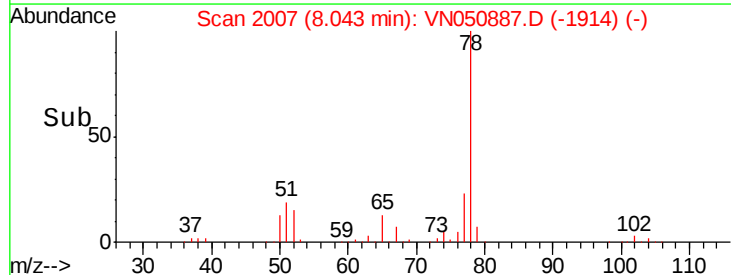
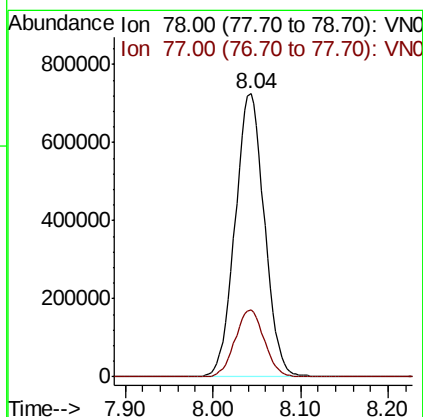
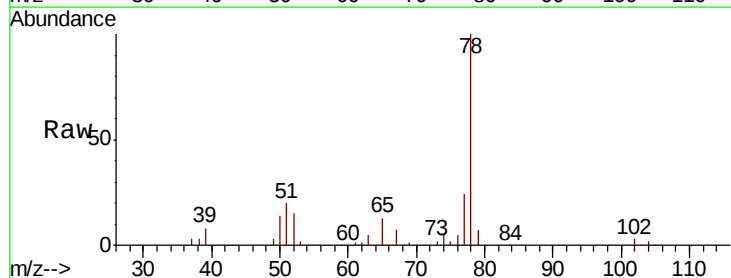
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 641601
Ion Ratio Lower Upper
83 100
55 75.7 61.0 91.4
98 46.6 37.5 56.3



#40
Benzene
Concen: 53.05 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 78 Resp: 1688631
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

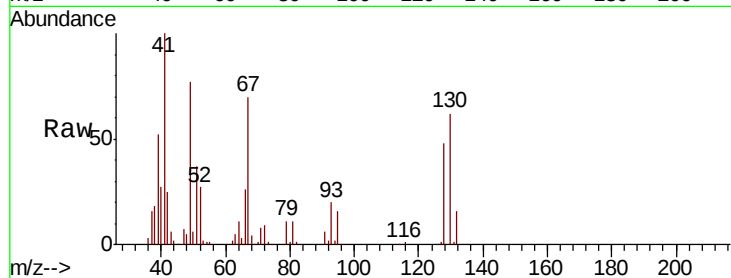




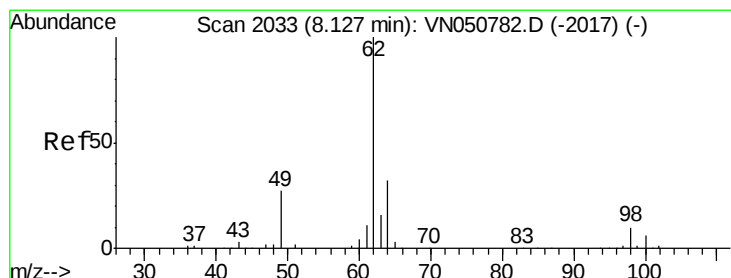
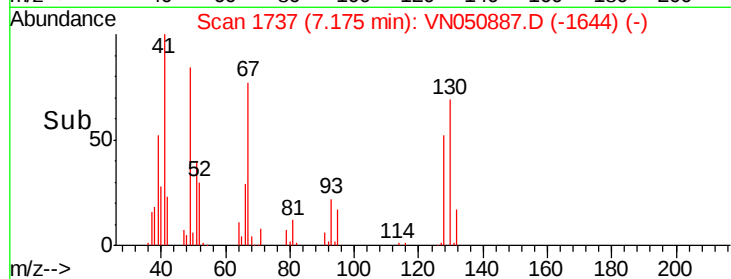
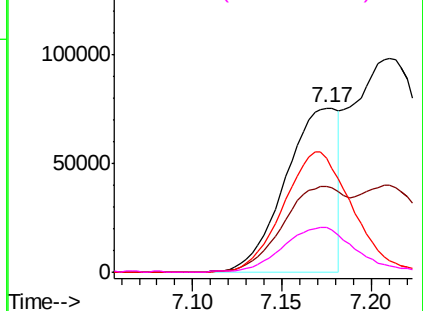
#41
Methacrylonitrile
Concen: 47.17 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	154809
Ion	Ratio	Lower	Upper
41	100		
39	62.0	45.4	68.0
67	96.7	70.6	106.0
52	37.3	27.1	40.7

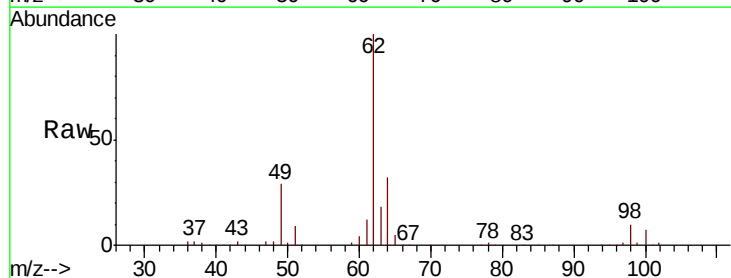


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

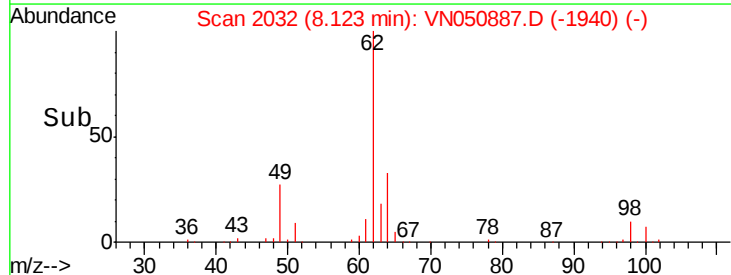
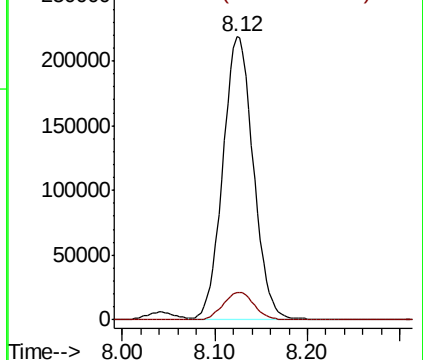


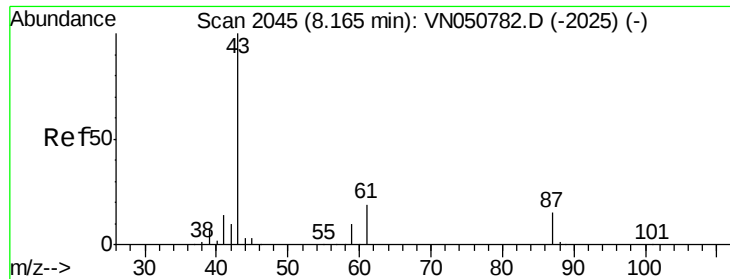
#42
1,2-Dichloroethane
Concen: 52.40 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion:	62	Resp:	498716
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



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





#43

Isopropyl Acetate

Concen: 52.88 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

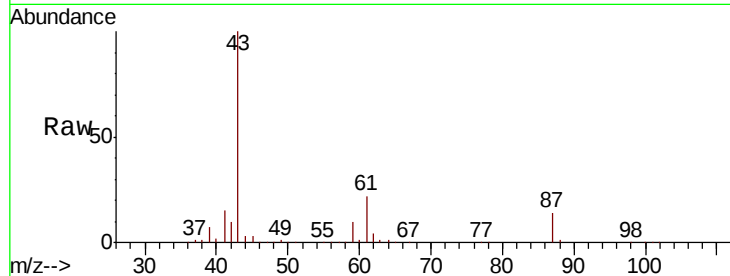
Tot Ion: 43 Resp: 551310

Ion Ratio Lower Upper

43 100

61 22.0 17.5 26.3

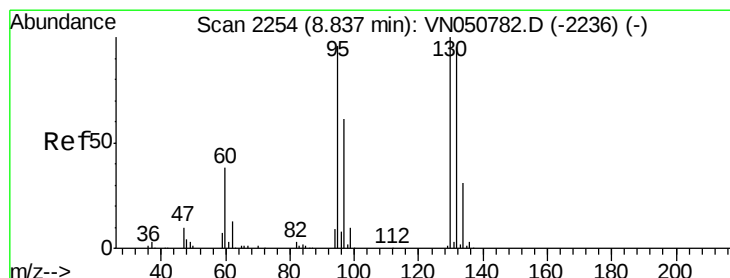
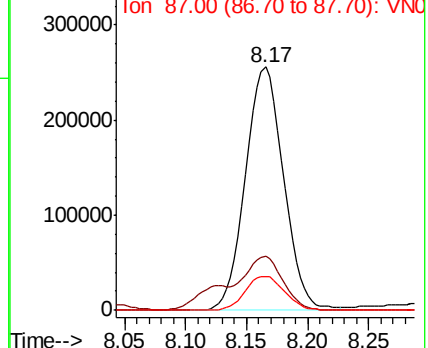
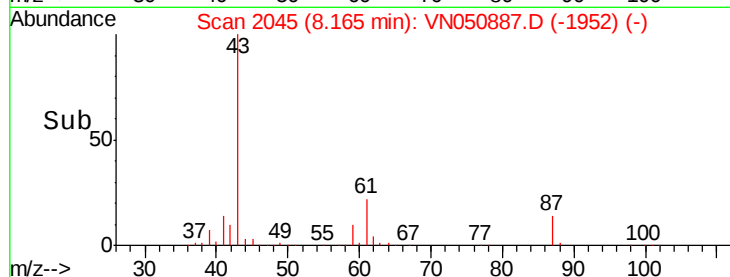
87 14.4 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050887.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050887.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050887.D (-1952) (-)



#44

Trichloroethene

Concen: 52.97 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050887.D

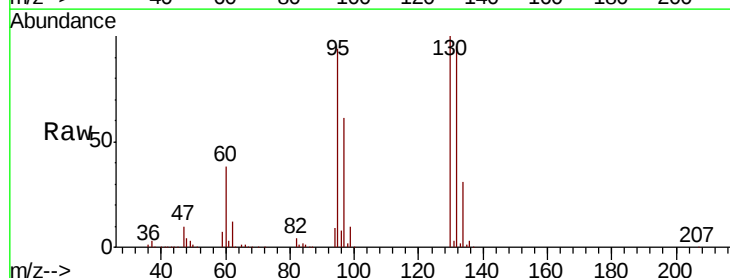
Acq: 27 Aug 2018 10:19

Tgt Ion: 130 Resp: 444727

Ion Ratio Lower Upper

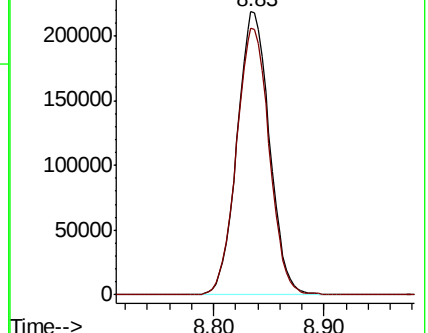
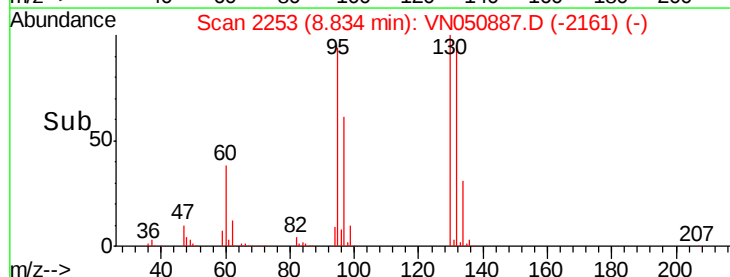
130 100

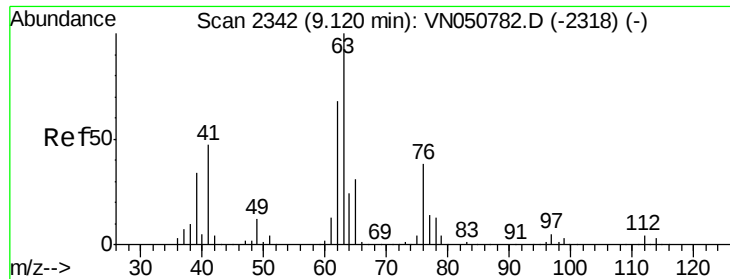
95 94.4 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050887.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050887.D (-2161) (-)

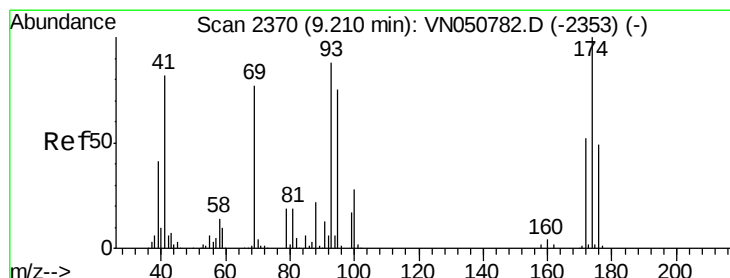
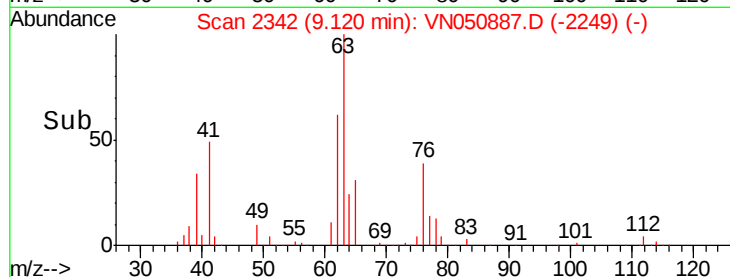
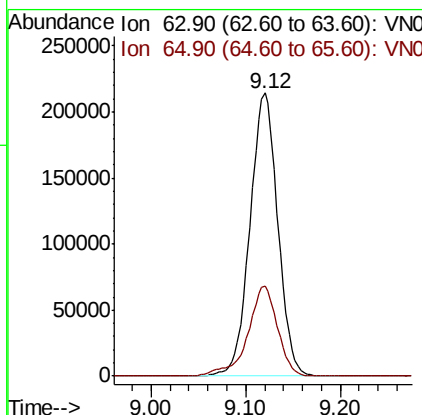
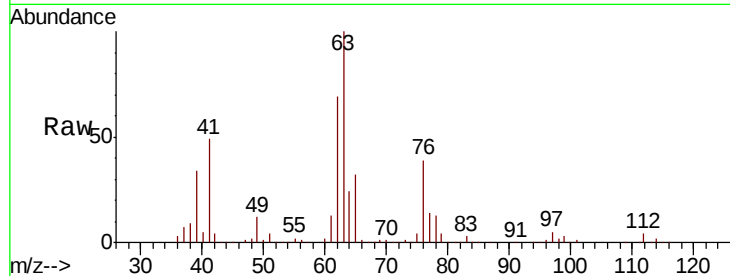




#45
 1,2-Dichloropropane
 Concen: 52.37 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

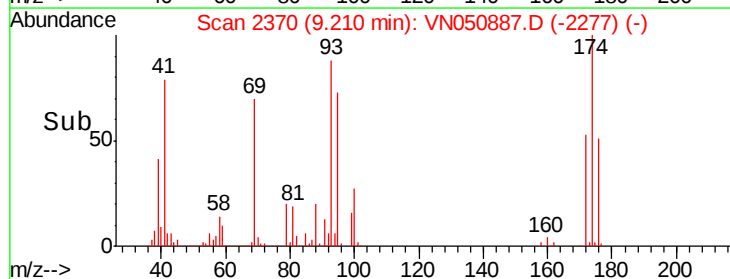
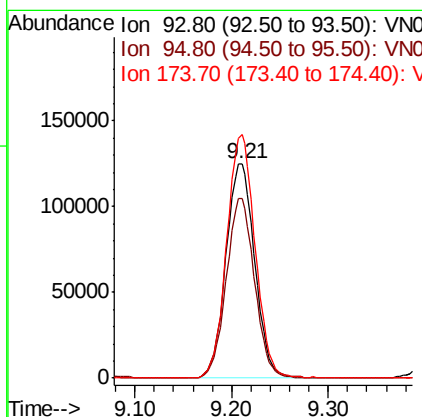
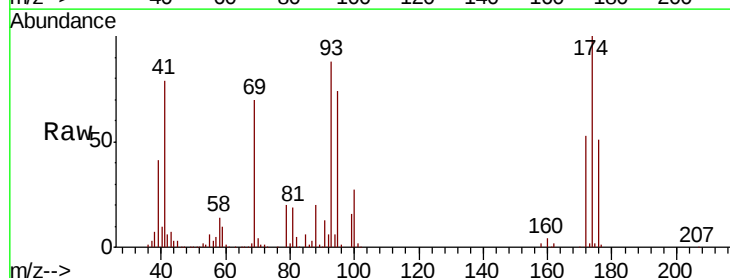
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 438181
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.6



#46
 Dibromomethane
 Concen: 52.72 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion: 93 Resp: 259189
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.7 100.1
 174 111.8 89.8 134.6





#47

Bromodichloromethane

Concen: 54.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

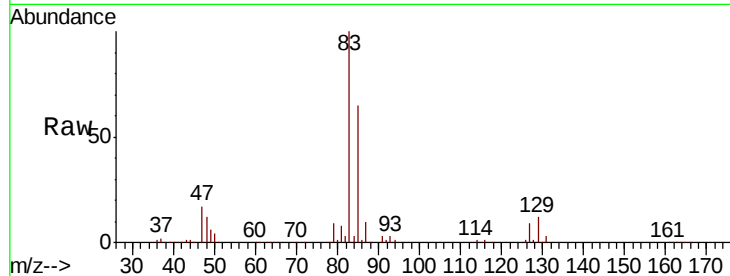
Tot Ion: 83 Resp: 559061

Ion Ratio Lower Upper

83 100

85 65.0 52.6 78.8

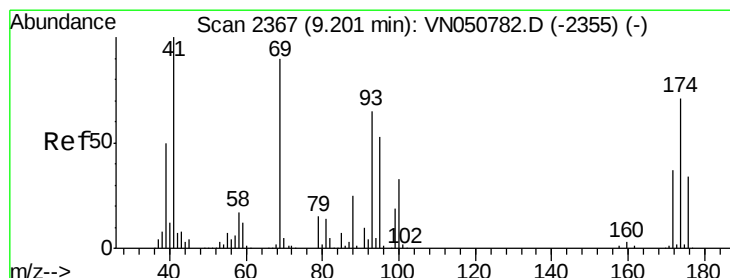
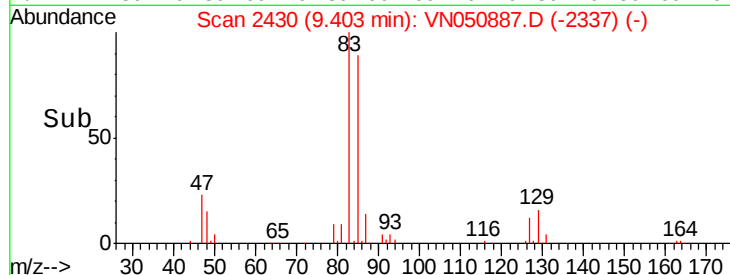
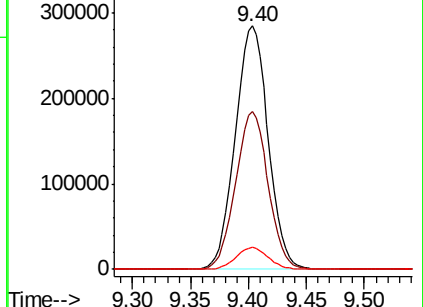
127 8.9 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050887.D (-2413) (-)

Ion 84.90 (84.60 to 85.60): VN050887.D (-2413) (-)

Ion 126.80 (126.50 to 127.50): VN050887.D (-2413) (-)



#48

Methyl methacrylate

Concen: 53.92 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

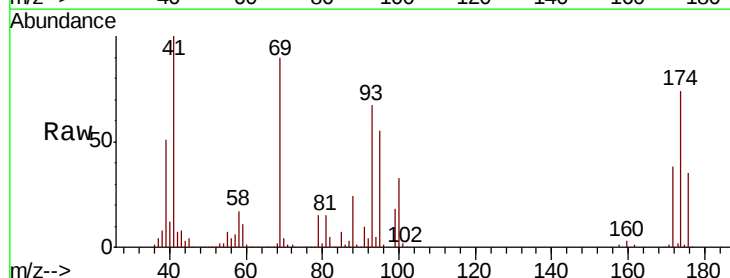
Tgt Ion: 41 Resp: 286519

Ion Ratio Lower Upper

41 100

69 92.9 74.7 112.1

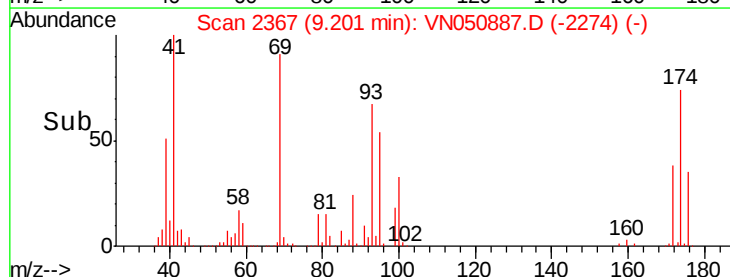
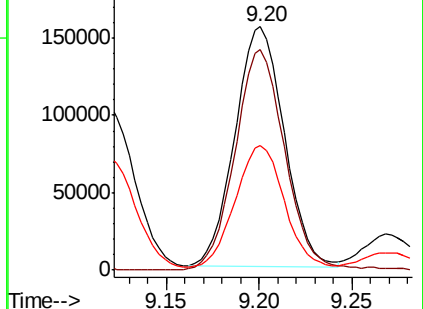
39 52.9 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050887.D (-2355) (-)

Ion 69.00 (68.70 to 69.70): VN050887.D (-2355) (-)

Ion 39.00 (38.70 to 39.70): VN050887.D (-2355) (-)



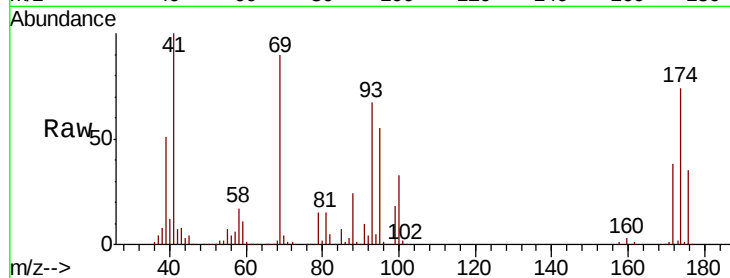


#49
 1,4-Dioxane
 Concen: 1073.32 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

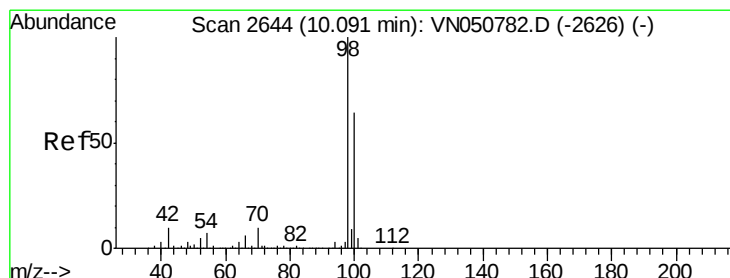
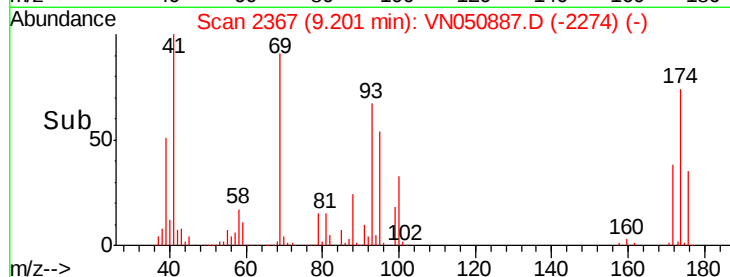
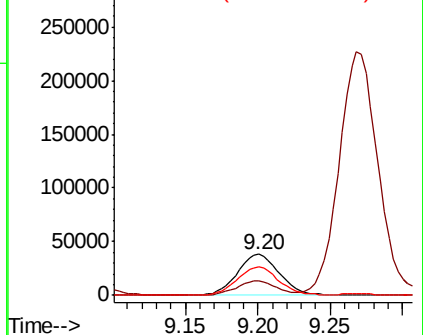
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 77749

Ion	Ratio	Lower	Upper
88	100		
43	32.6	25.9	38.9
58	69.8	55.0	82.4



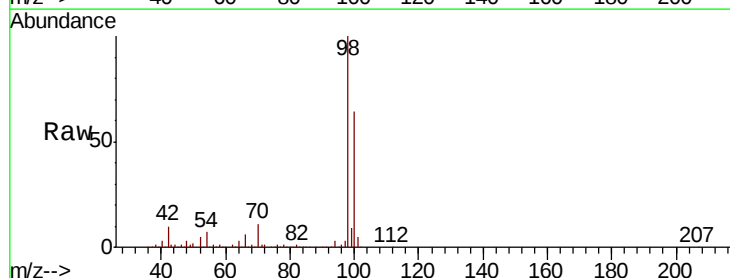
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



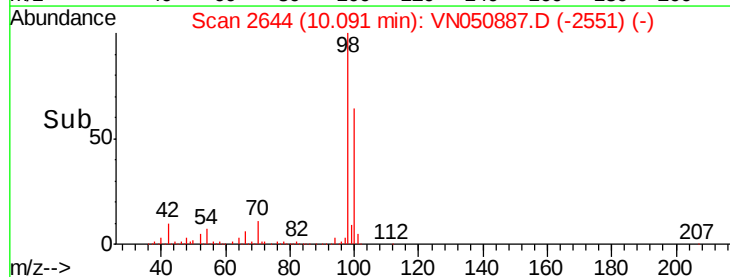
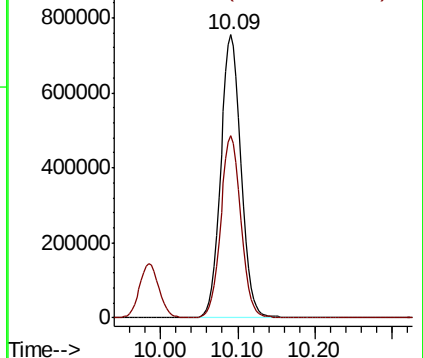
#50
 Toluene-d8
 Concen: 51.98 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

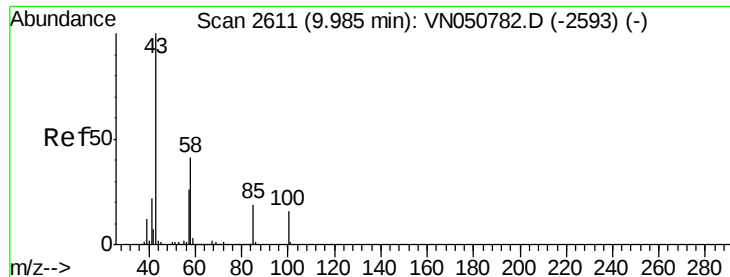
Tgt Ion: 98 Resp: 1383176

Ion	Ratio	Lower	Upper
98	100		
100	63.7	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: 255.64 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

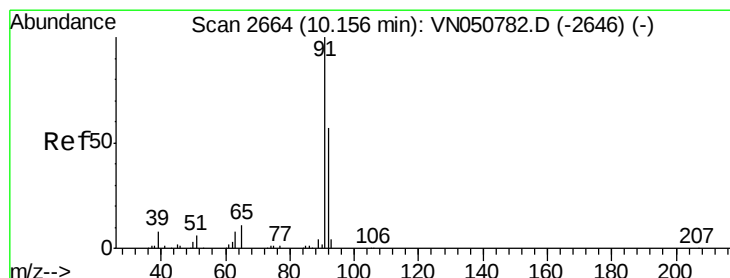
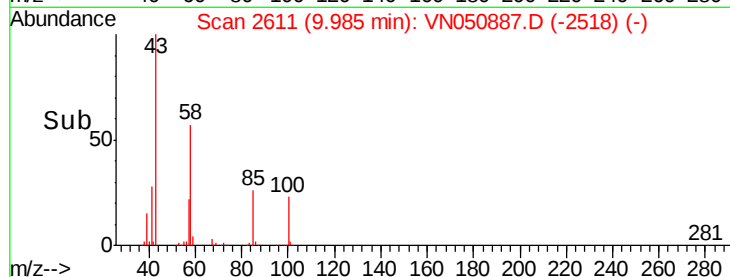
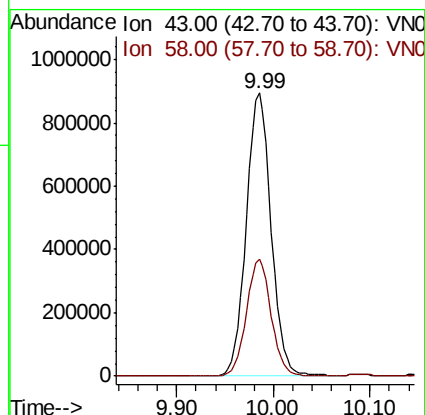
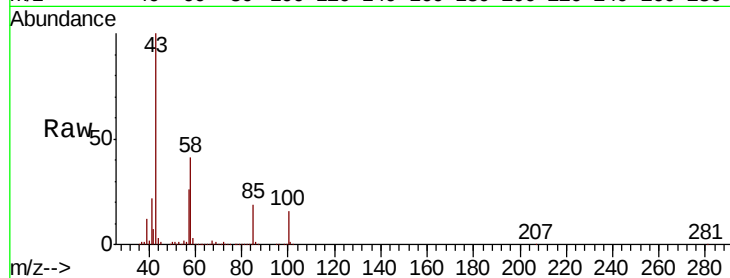
VSTDCCC050

Tot Ion: 43 Resp: 1590604

Ion Ratio Lower Upper

43 100

58 41.1 32.4 48.6



#52

Toluene

Concen: 55.83 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050887.D

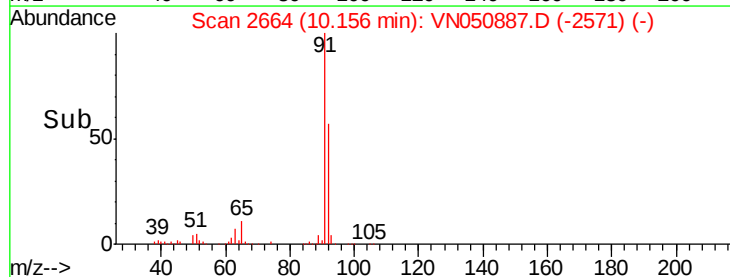
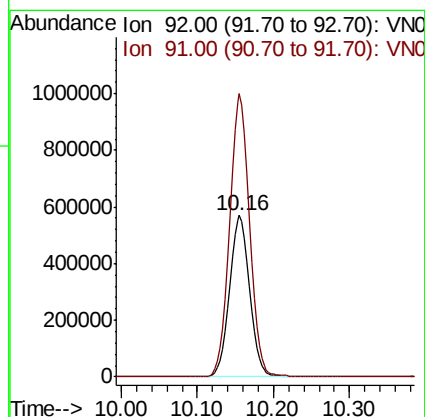
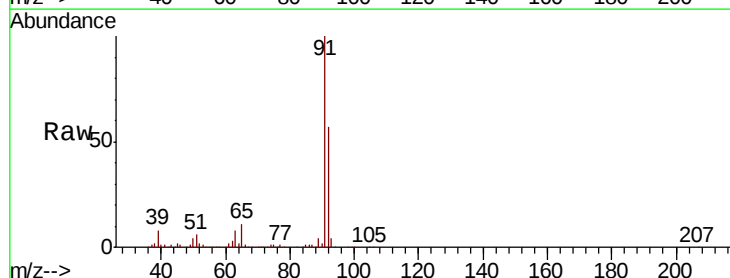
Acq: 27 Aug 2018 10:19

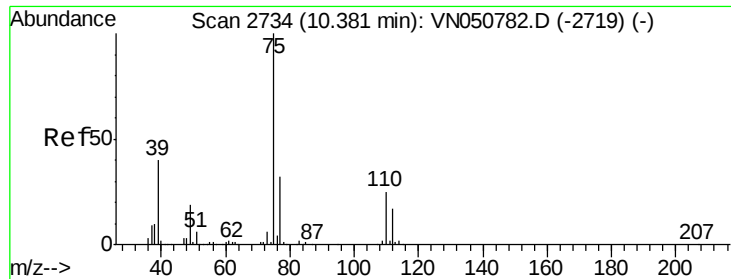
Tgt Ion: 92 Resp: 1052887

Ion Ratio Lower Upper

92 100

91 174.2 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 54.17 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

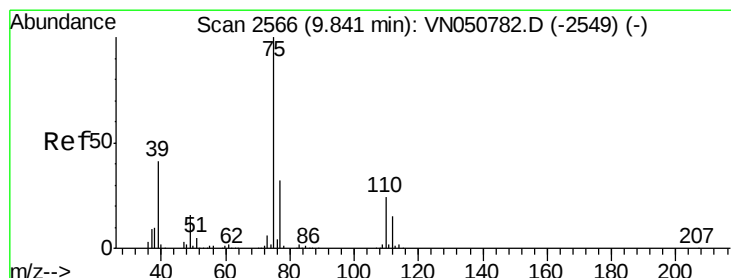
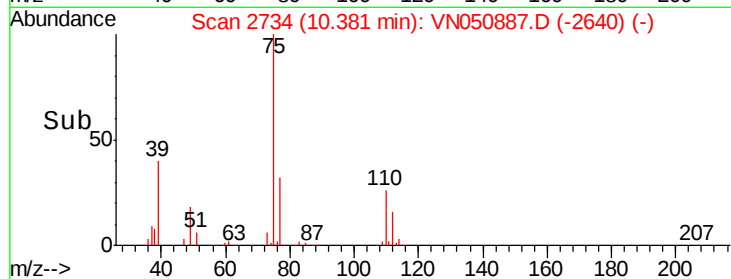
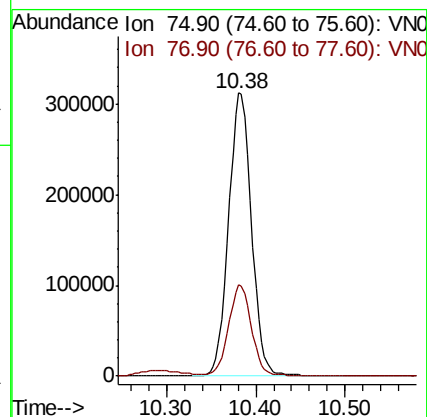
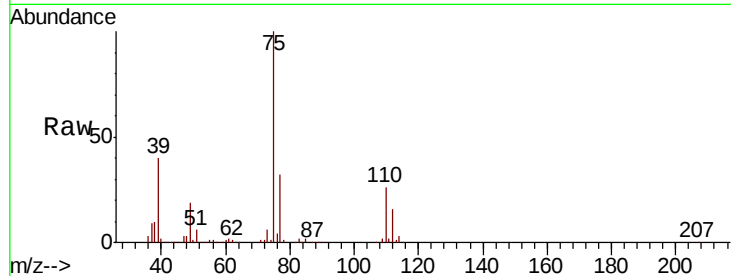
VSTDCCC050

Tot Ion: 75 Resp: 555202

Ion Ratio Lower Upper

75 100

77 32.0 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 55.42 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

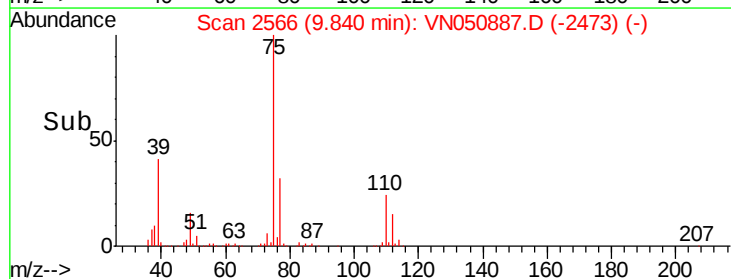
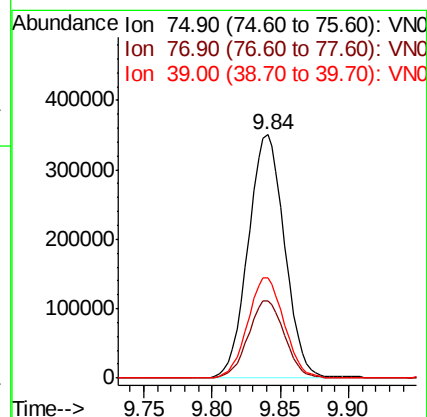
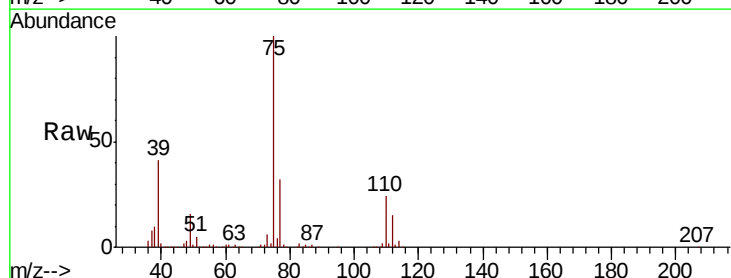
Tgt Ion: 75 Resp: 650424

Ion Ratio Lower Upper

75 100

77 31.7 25.4 38.2

39 41.2 33.0 49.4

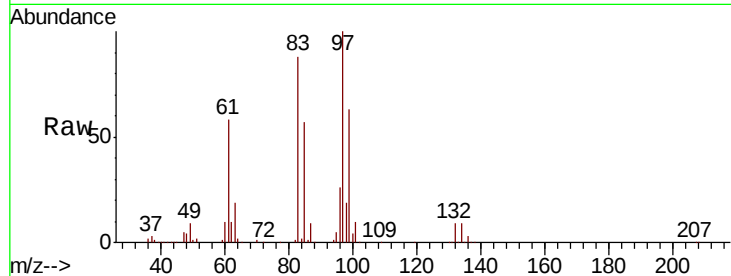




#55
 1,1,2-Trichloroethane
 Concen: 52.37 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	366531
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.7	104.5
85	56.7	44.5	66.7
99	62.6	50.7	76.1



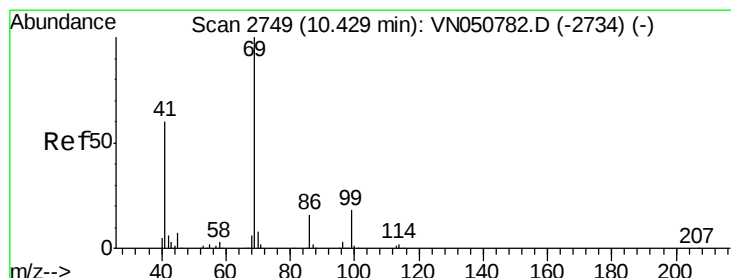
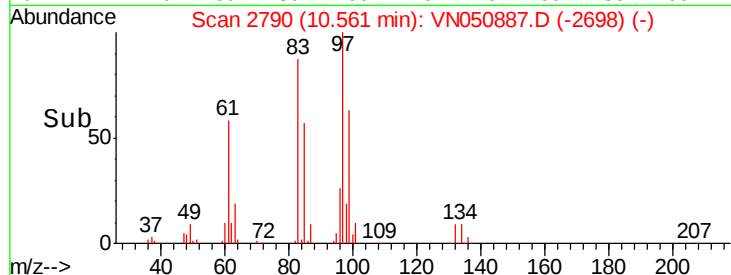
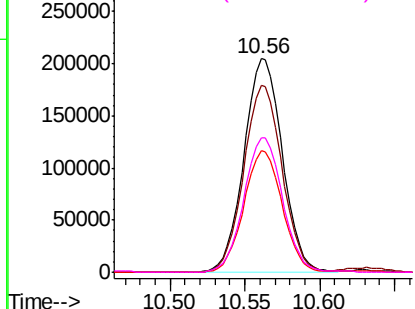
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

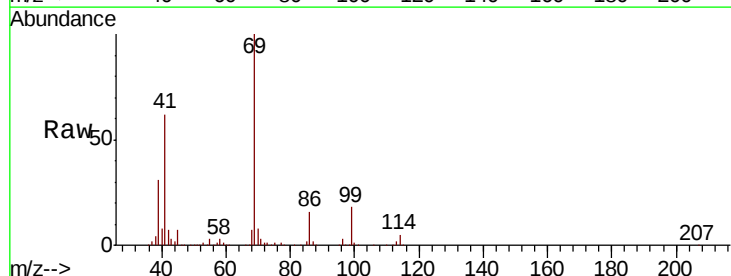
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 49.45 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion:	69	Resp:	449998
Ion	Ratio	Lower	Upper
69	100		
41	60.4	48.3	72.5
39	30.3	24.0	36.0

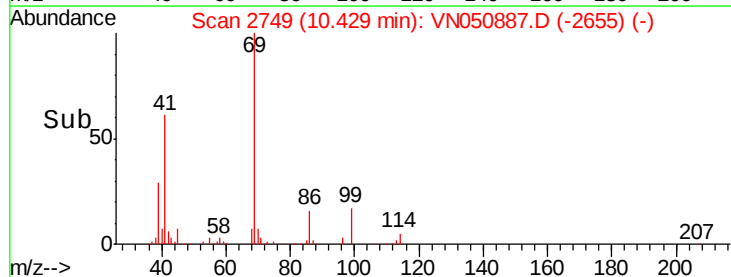
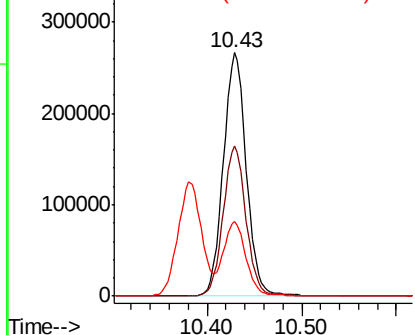


Abundance

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

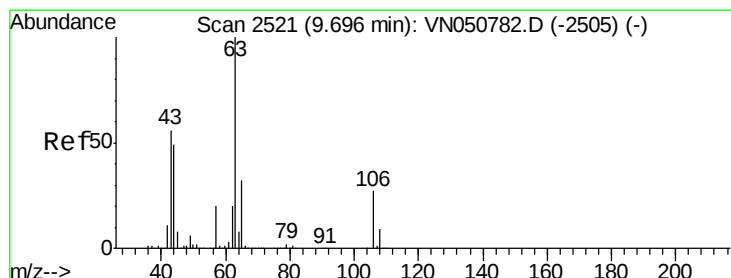
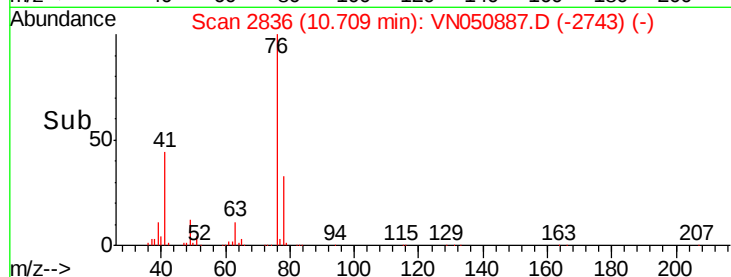
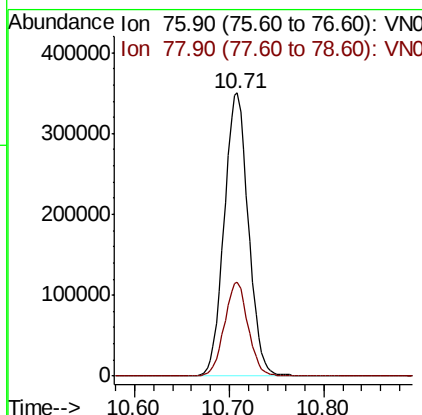
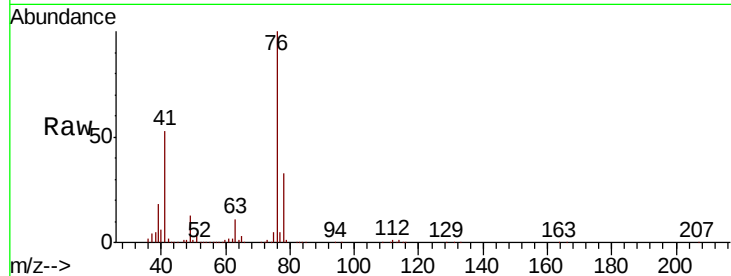




#57
 1,3-Dichloropropane
 Concen: 53.92 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

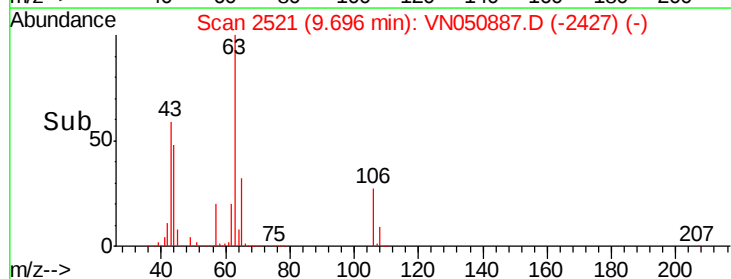
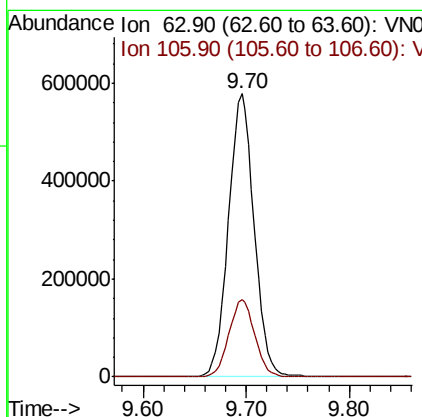
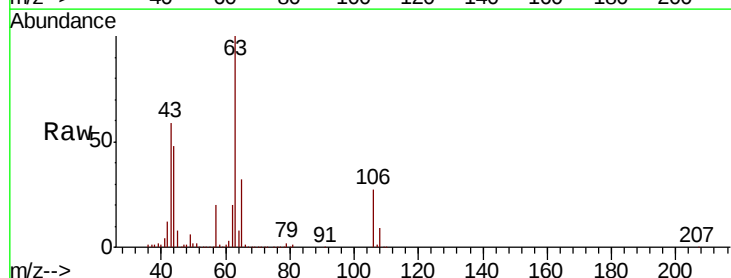
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

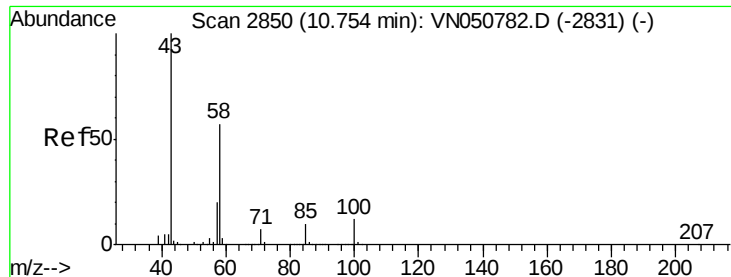
Tot Ion: 76 Resp: 622910
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.68 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion: 63 Resp: 1004456
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.9 32.9

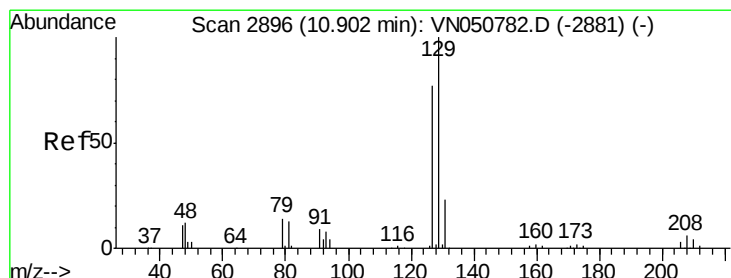
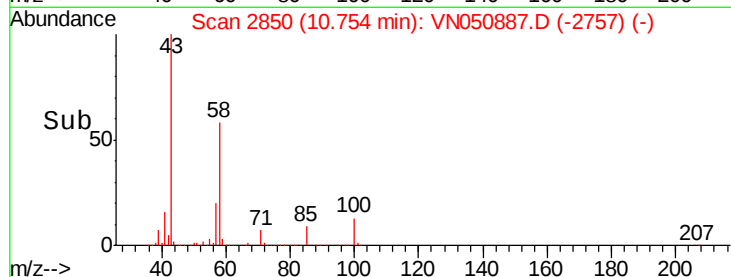
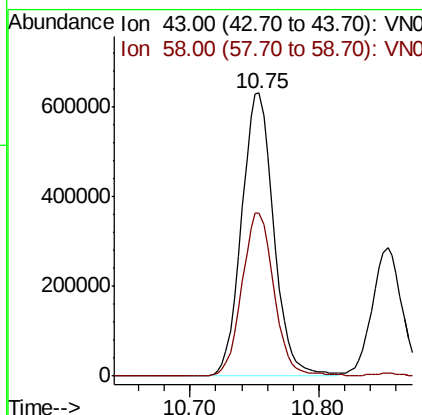
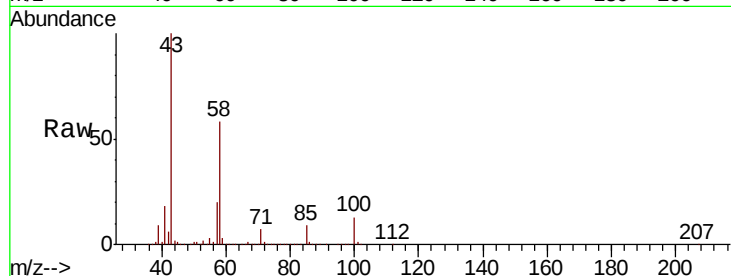




#59
2-Hexanone
Concen: 264.56 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

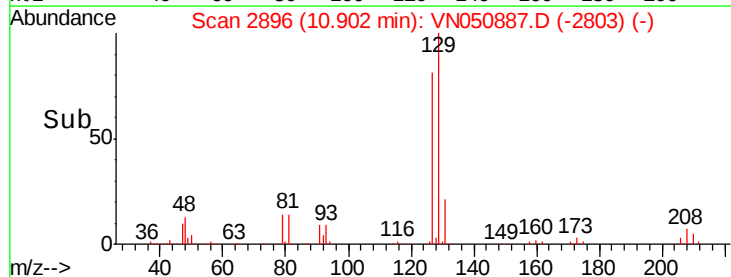
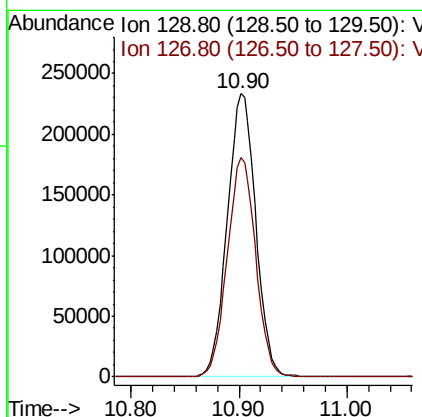
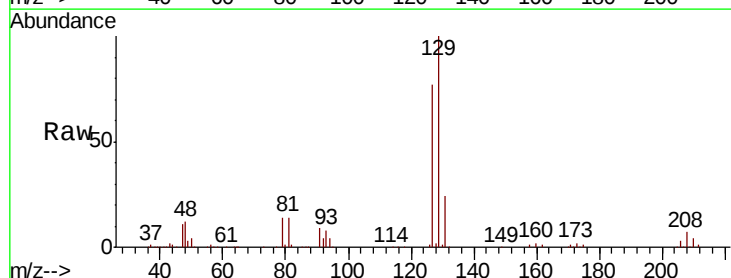
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

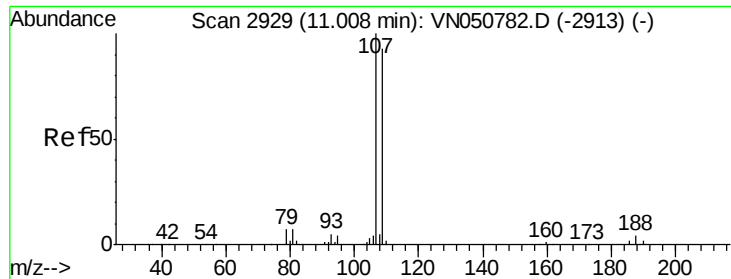
Tot Ion: 43 Resp: 1095833
Ion Ratio Lower Upper
43 100
58 57.7 28.3 85.0



#60
Dibromochloromethane
Concen: 54.89 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 129 Resp: 430128
Ion Ratio Lower Upper
129 100
127 77.1 38.3 114.9

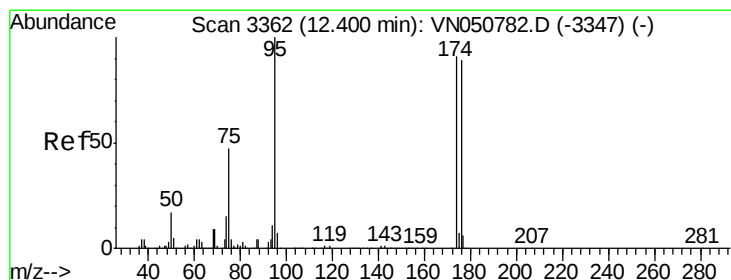
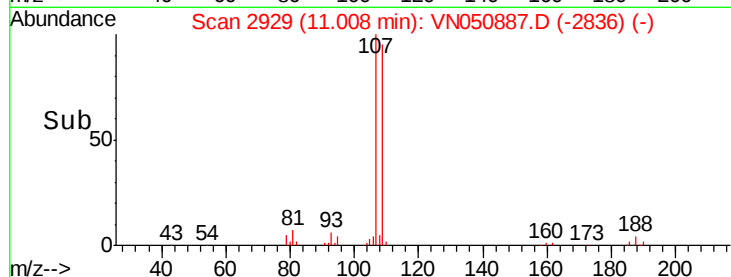
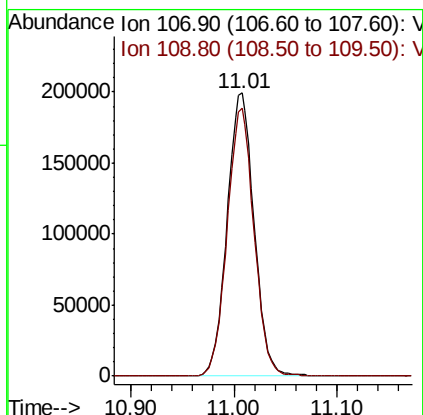
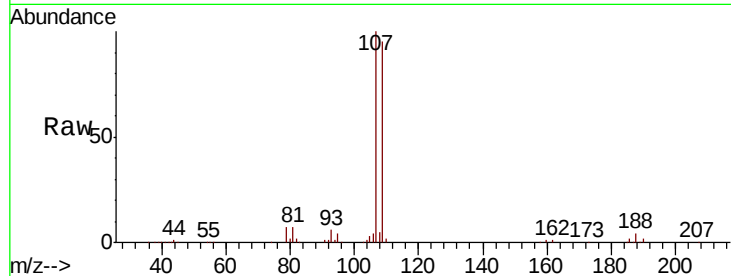




#61
 1,2-Dibromoethane
 Concen: 53.68 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

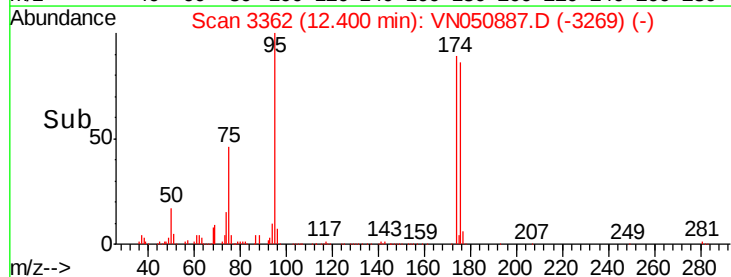
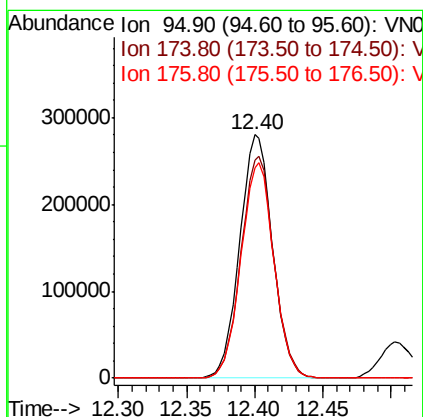
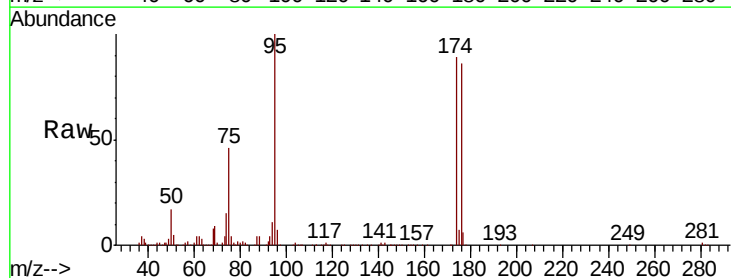
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

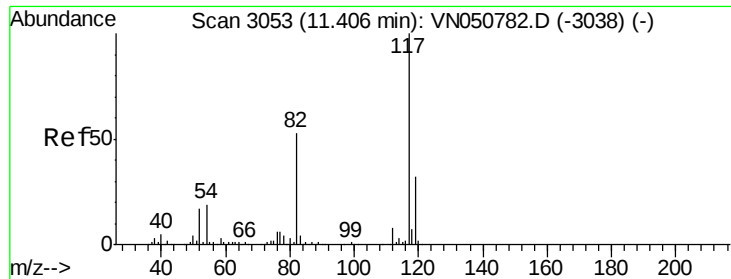
Tot Ion: 107 Resp: 363310
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 52.98 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050887.D
 Acq: 27 Aug 2018 10:19

Tgt Ion: 95 Resp: 468483
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 183.0
 176 88.6 0.0 178.8

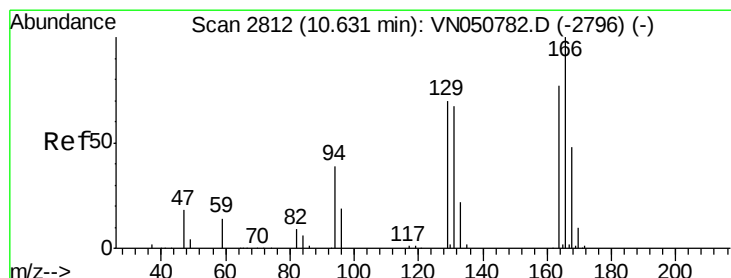
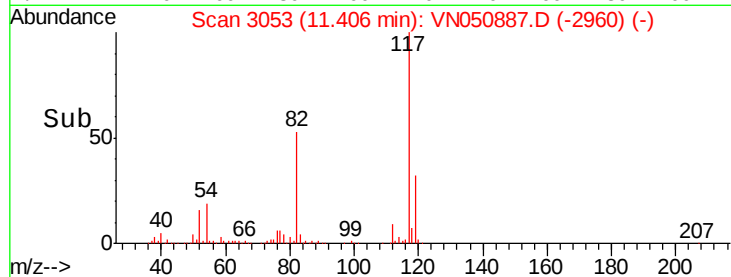
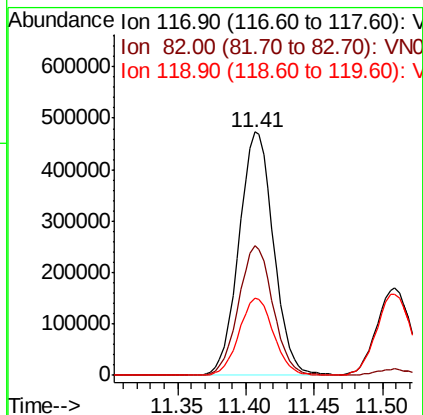
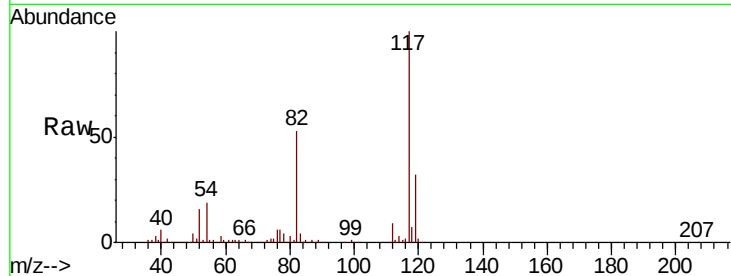




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

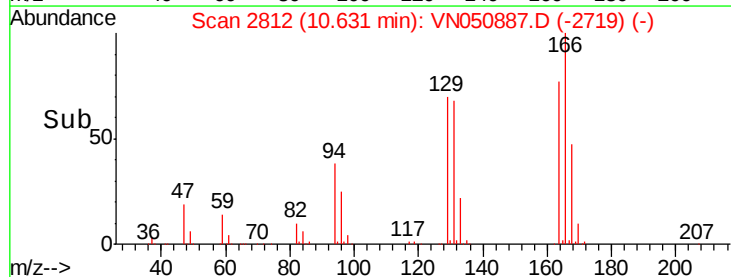
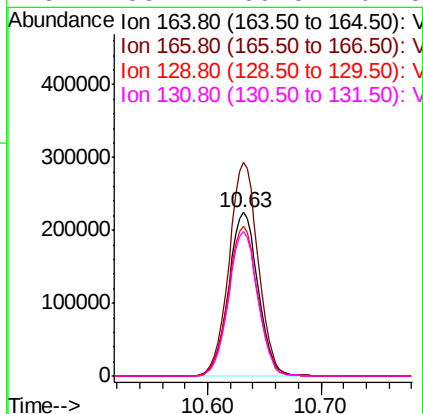
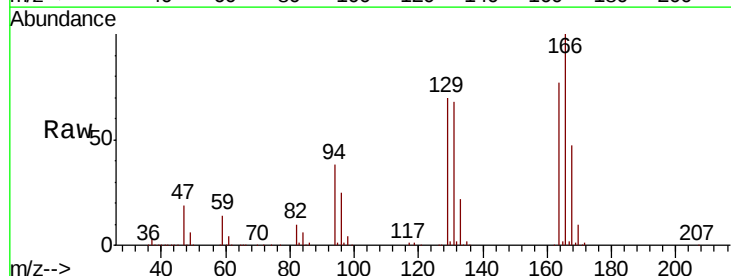
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

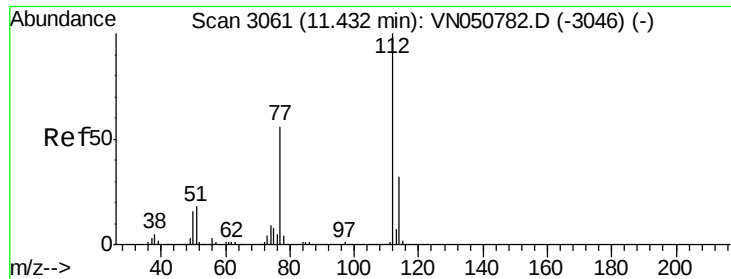
Tot Ion:117 Resp: 833160
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 31.6 25.8 38.6



#64
Tetrachloroethene
Concen: 51.40 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion:164 Resp: 406777
Ion Ratio Lower Upper
164 100
166 130.6 103.5 155.3
129 91.6 72.7 109.1
131 88.2 69.5 104.3

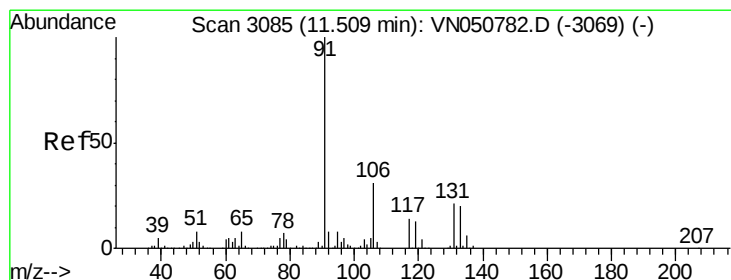
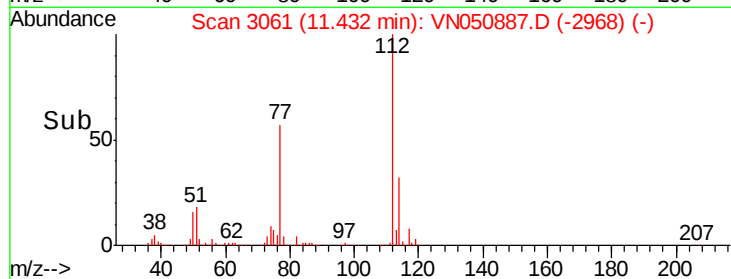
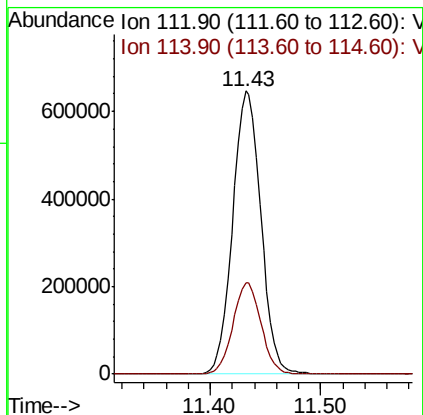
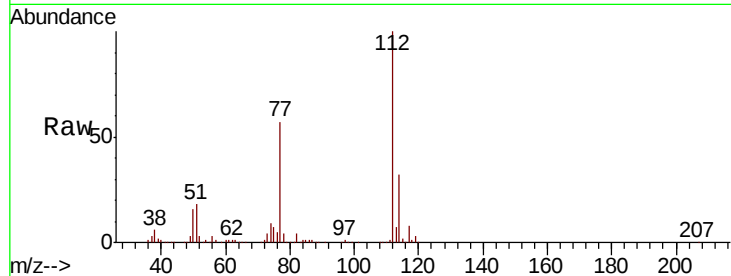




#65
Chlorobenzene
Concen: 52.61 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

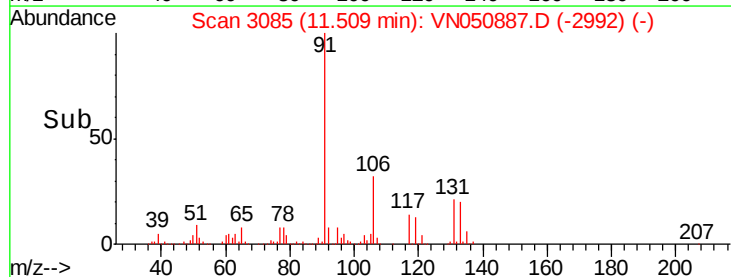
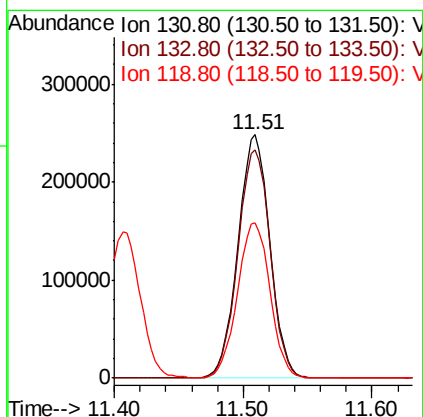
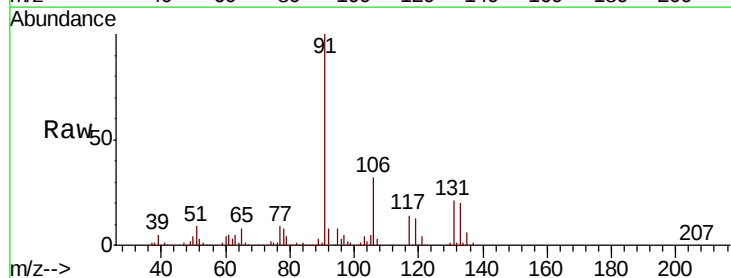
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

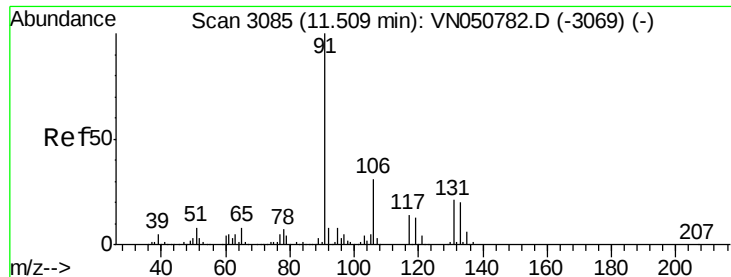
Tot Ion:112 Resp: 1145752
Ion Ratio Lower Upper
112 100
114 32.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.54 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion:131 Resp: 426582
Ion Ratio Lower Upper
131 100
133 95.4 47.4 142.3
119 65.3 32.8 98.4





#67

Ethyl Benzene

Concen: 55.65 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

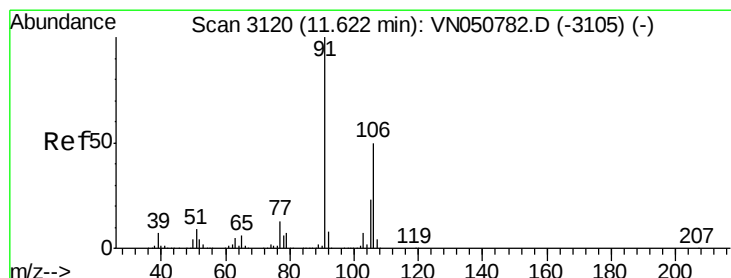
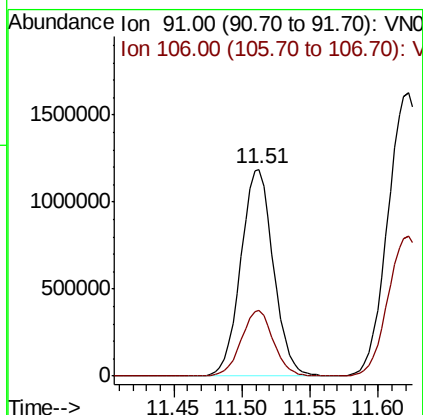
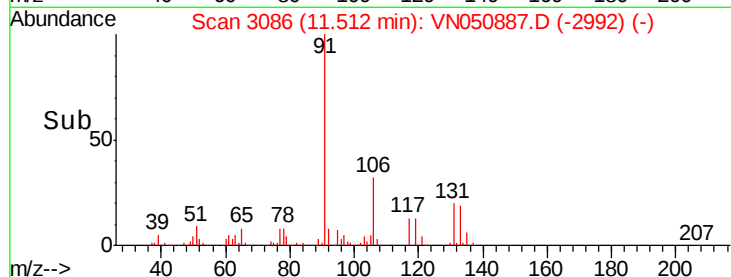
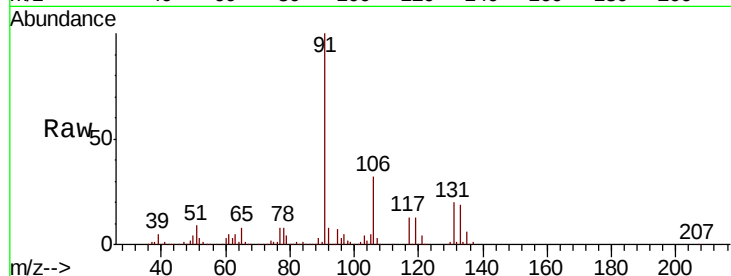
VSTDCCC050

Tot Ion: 91 Resp: 1970212

Ion Ratio Lower Upper

91 100

106 31.8 25.0 37.4



#68

m/p-Xylenes

Concen: 114.27 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050887.D

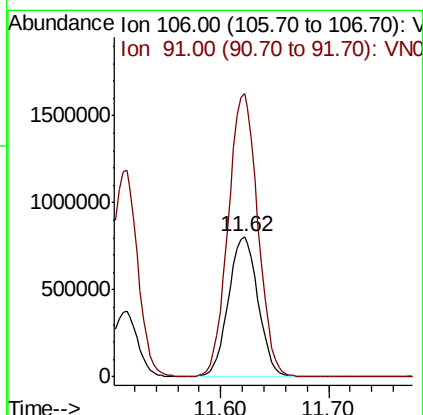
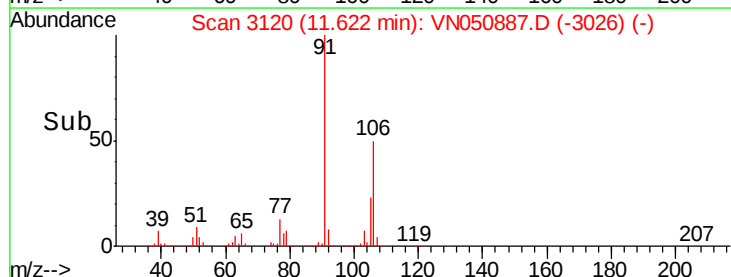
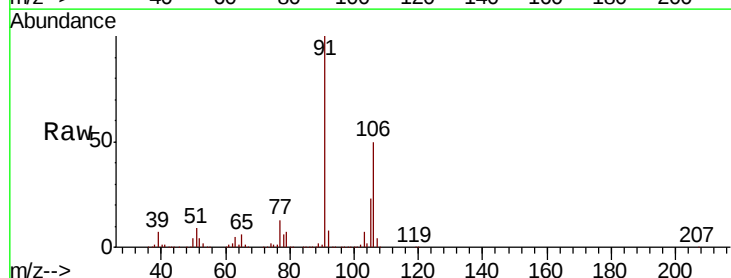
Acq: 27 Aug 2018 10:19

Tgt Ion: 106 Resp: 1535594

Ion Ratio Lower Upper

106 100

91 201.9 161.0 241.6

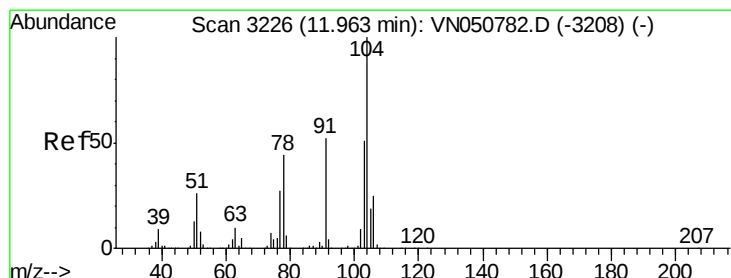
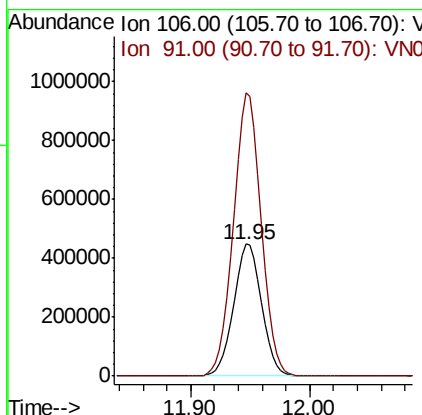
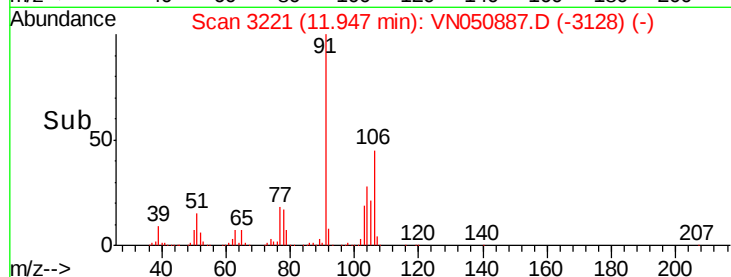
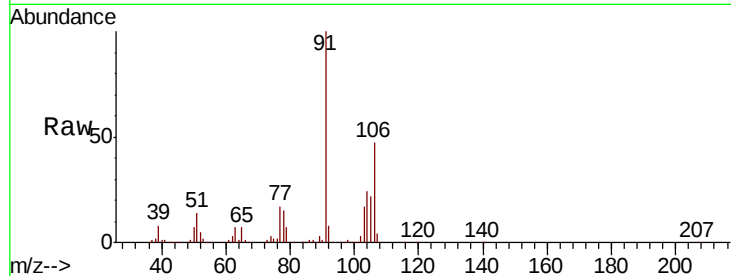




#69
o-Xylene
Concen: 56.44 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

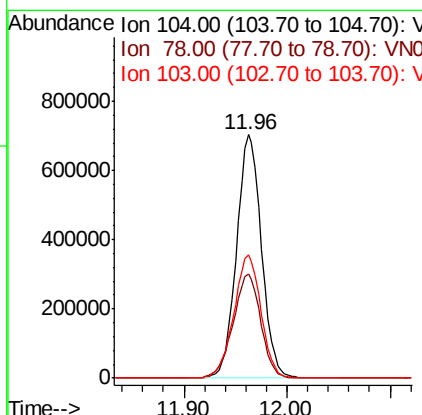
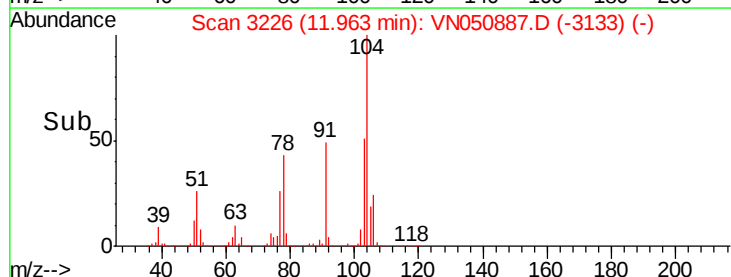
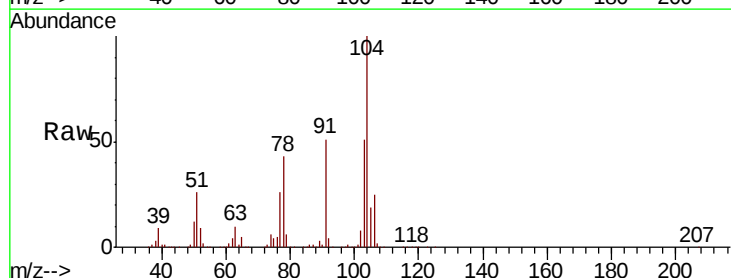
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

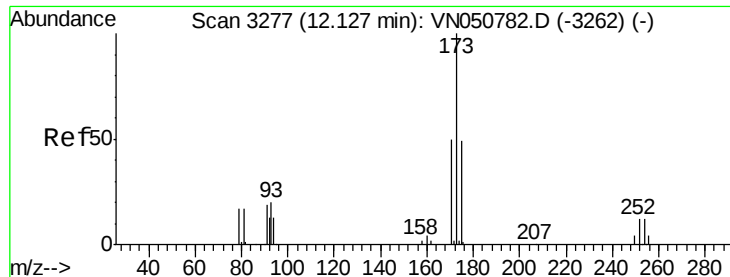
Tot Ion:106 Resp: 729195
Ion Ratio Lower Upper
106 100
91 213.0 106.5 319.5



#70
Styrene
Concen: 51.87 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion:104 Resp: 1182117
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.4
103 55.1 44.4 66.6





#71

Bromoform

Concen: 54.70 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

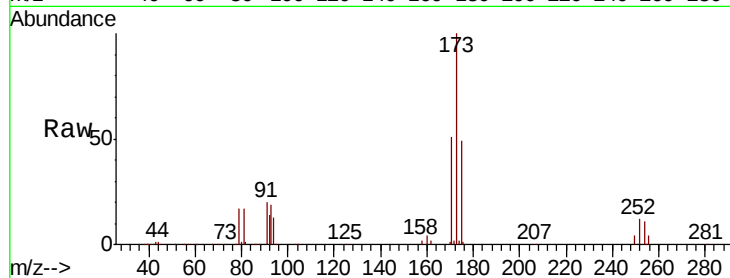
Tot Ion:173 Resp: 299735

Ion Ratio Lower Upper

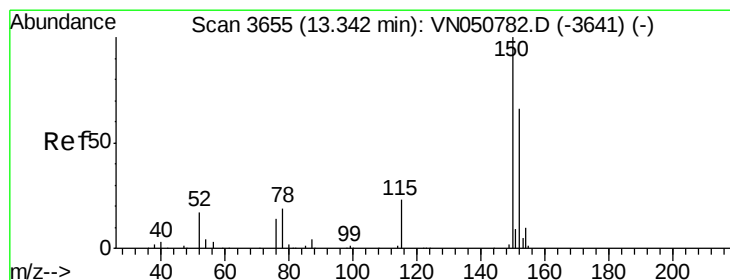
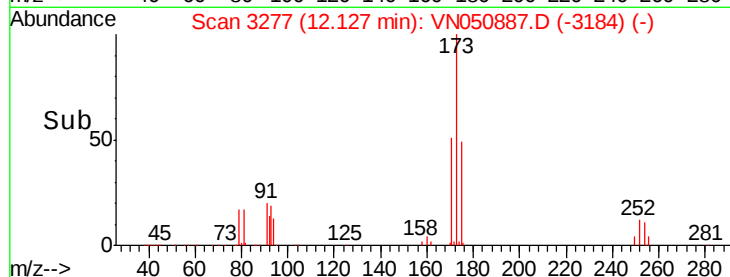
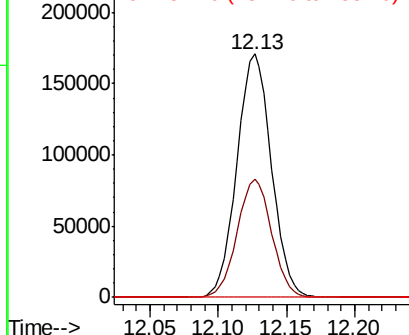
173 100

175 48.6 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

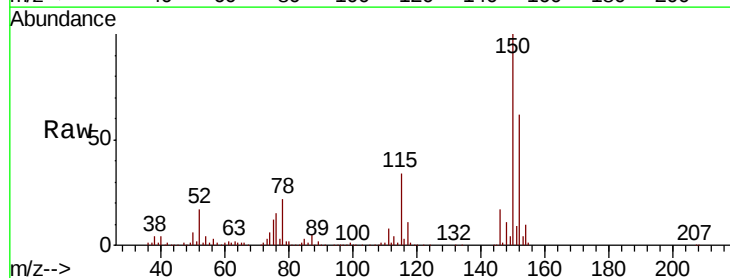
Tgt Ion:152 Resp: 435466

Ion Ratio Lower Upper

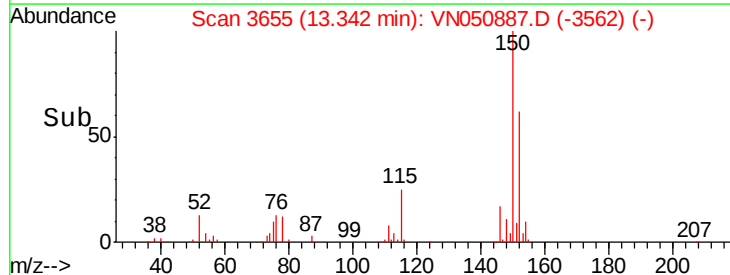
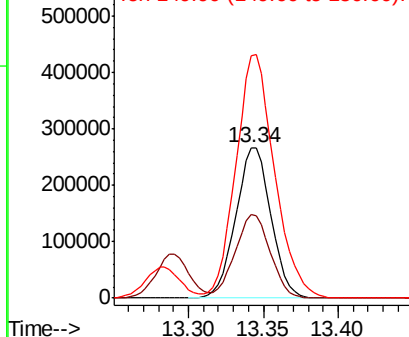
152 100

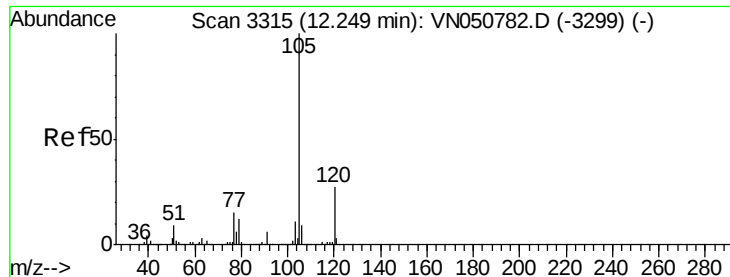
115 55.9 27.8 83.4

150 178.3 0.0 351.4



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





#73

Isopropylbenzene

Concen: 54.23 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

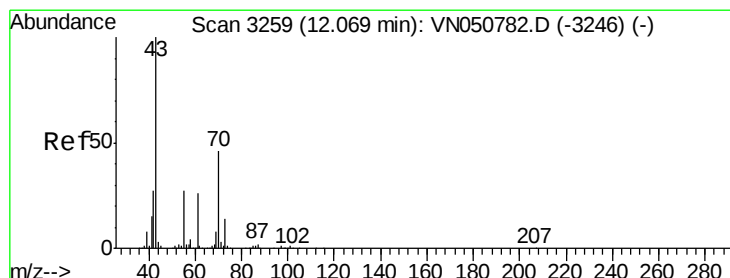
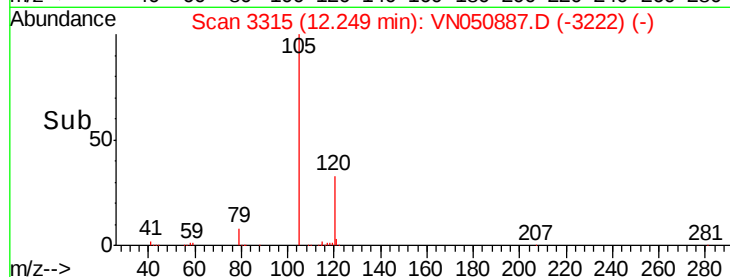
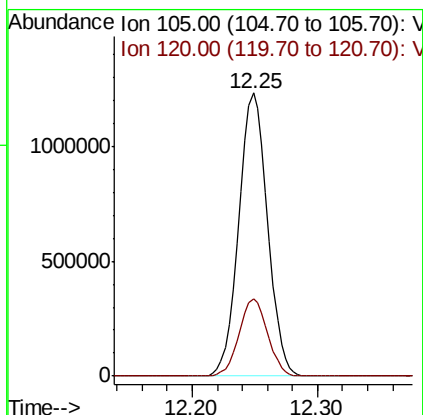
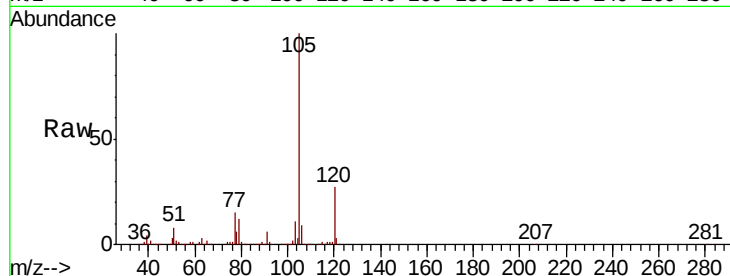
VSTDCCC050

Tot Ion:105 Resp: 1955545

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 51.58 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Tgt Ion: 43 Resp: 467354

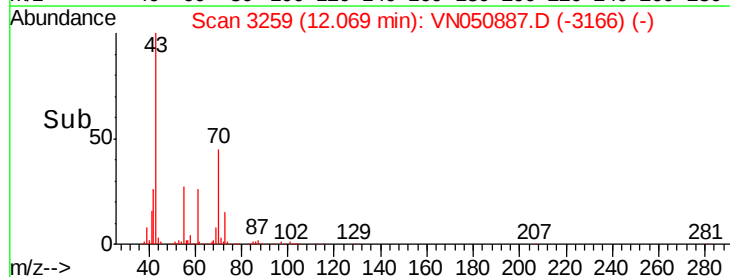
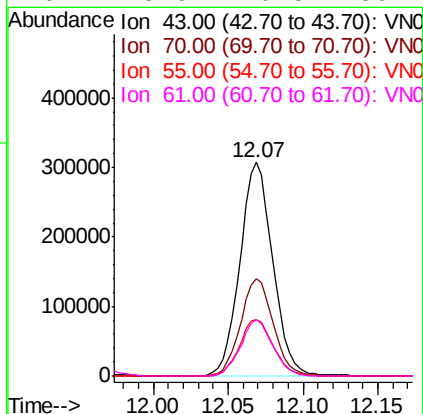
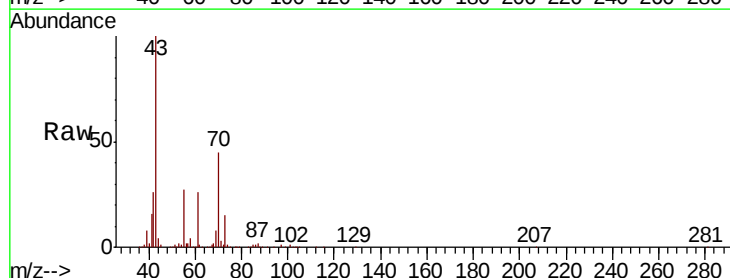
Ion Ratio Lower Upper

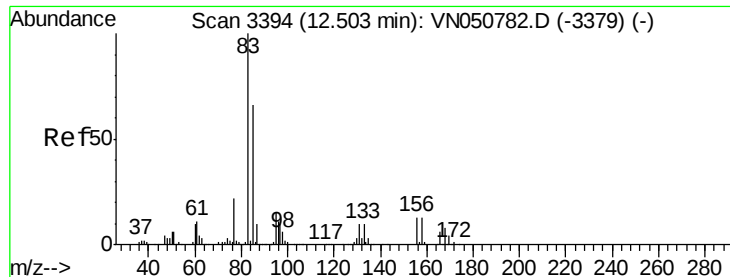
43 100

70 45.4 36.2 54.2

55 27.2 21.8 32.8

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 53.49 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

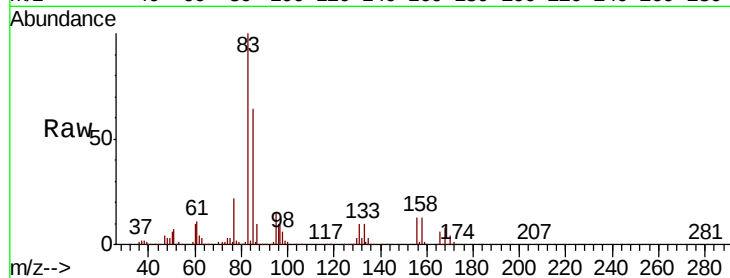
Tot Ion: 83 Resp: 458876

Ion Ratio Lower Upper

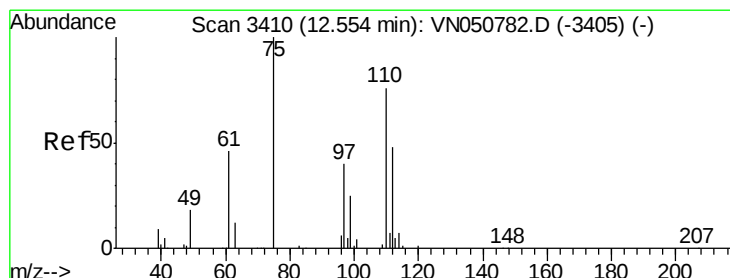
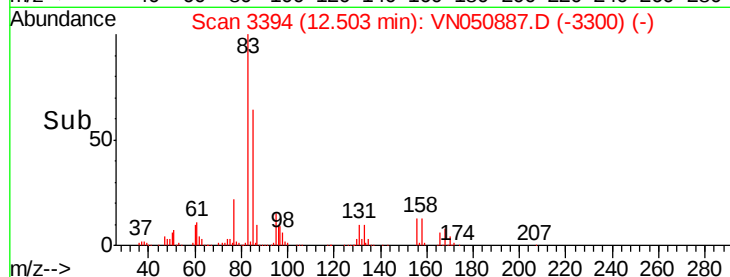
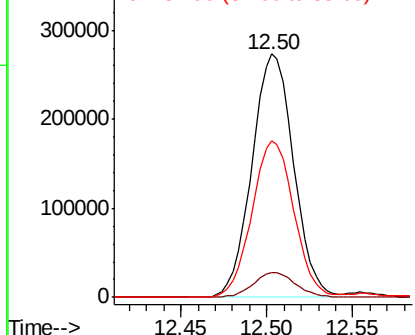
83 100

131 10.5 5.3 15.9

85 64.7 31.9 95.7



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



#76

1,2,3-Trichloropropane

Concen: 71.60 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050887.D

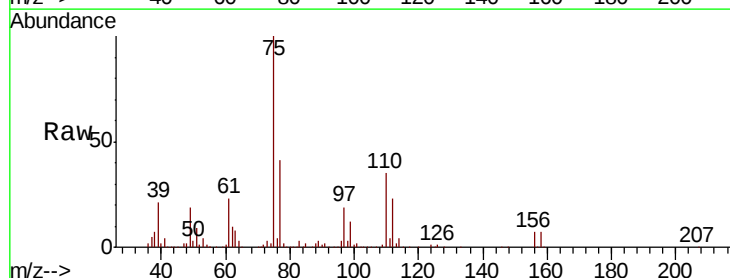
Acq: 27 Aug 2018 10:19

Tgt Ion: 75 Resp: 546091

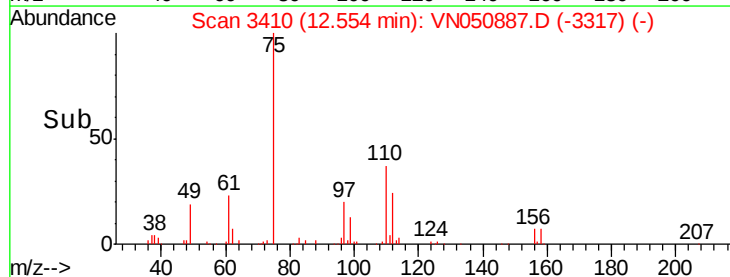
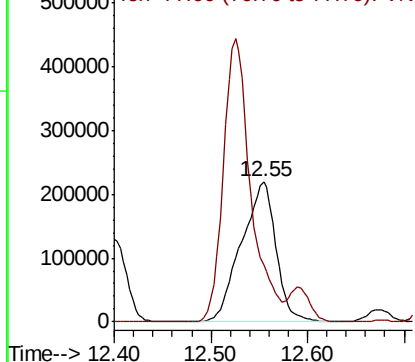
Ion Ratio Lower Upper

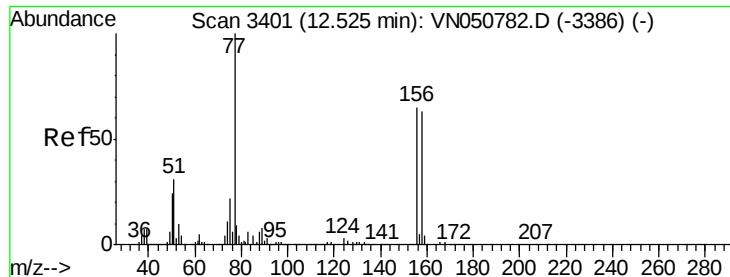
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 50.51 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

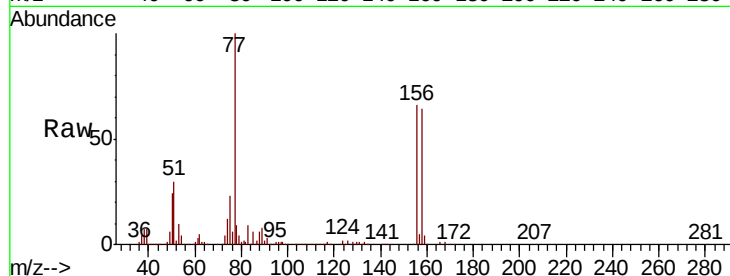
Tot Ion:156 Resp: 494973

Ion Ratio Lower Upper

156 100

77 176.5 89.9 269.7

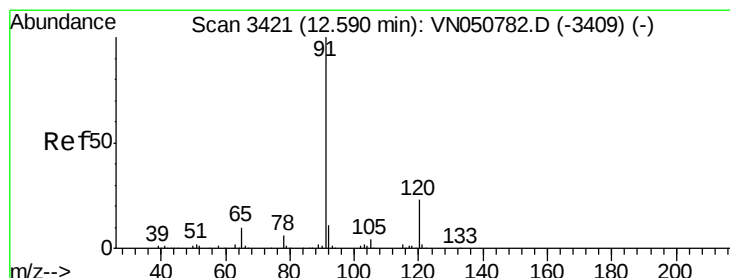
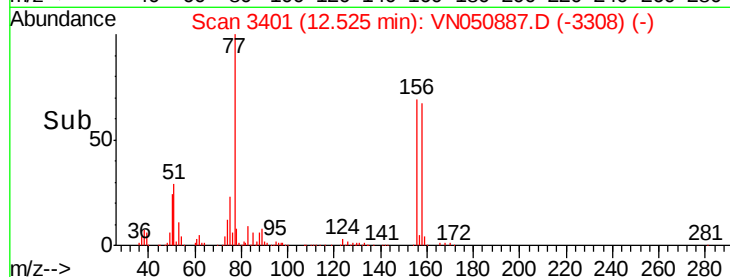
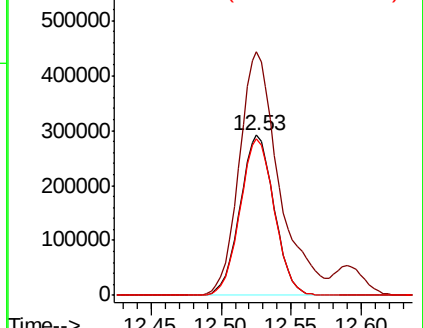
158 98.1 49.3 147.9



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: 55.83 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050887.D

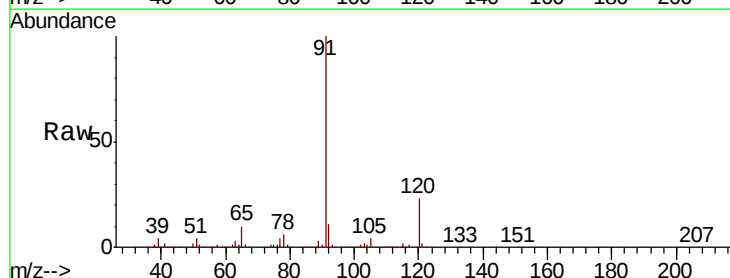
Acq: 27 Aug 2018 10:19

Tgt Ion: 91 Resp: 2248954

Ion Ratio Lower Upper

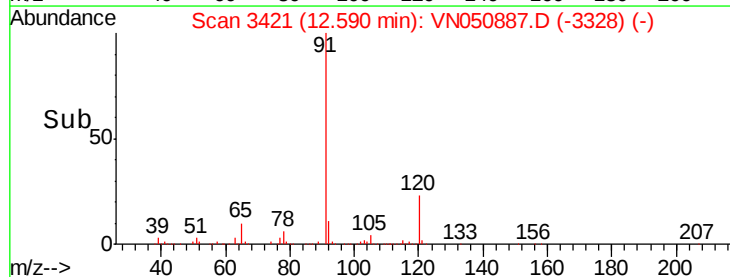
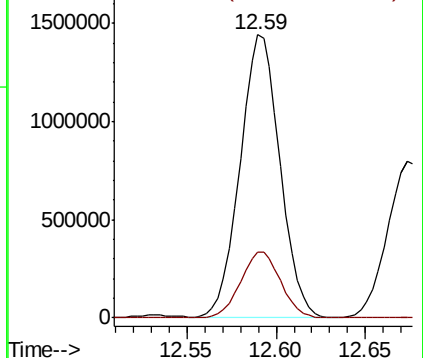
91 100

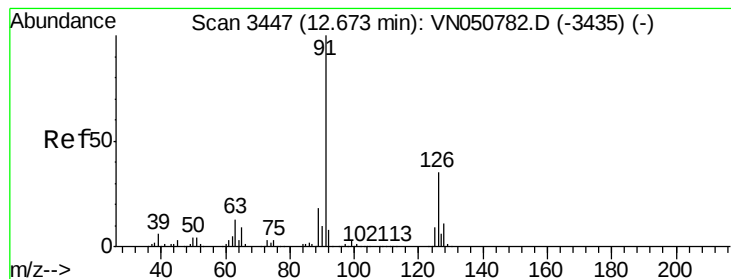
120 23.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.82 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

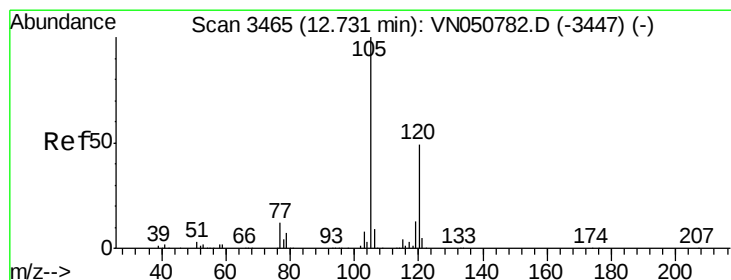
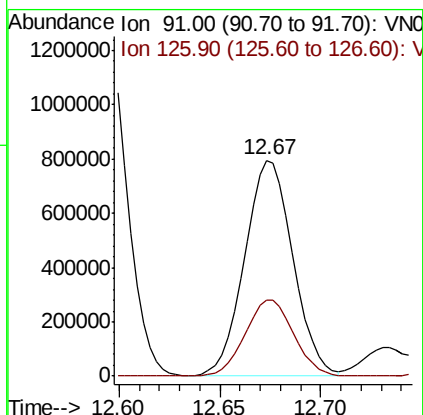
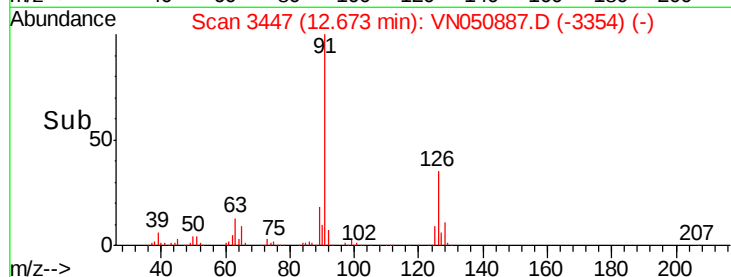
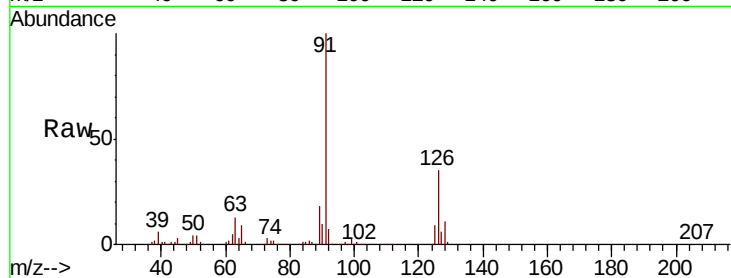
VSTDCCC050

Tot Ion: 91 Resp: 1325239

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 55.07 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050887.D

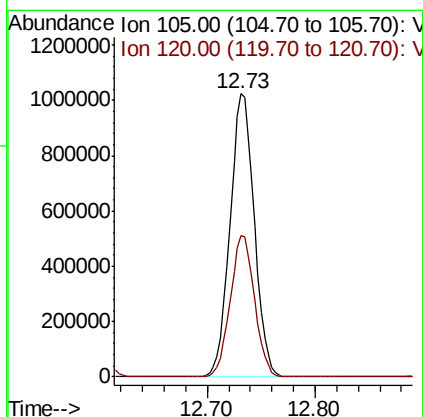
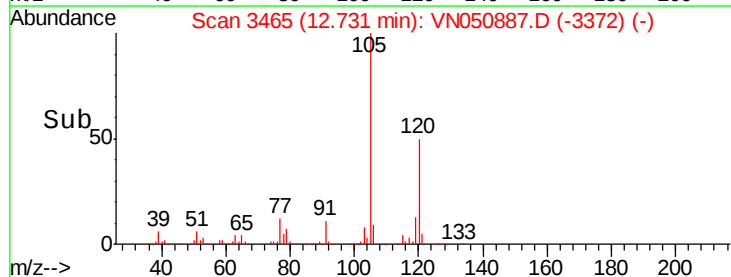
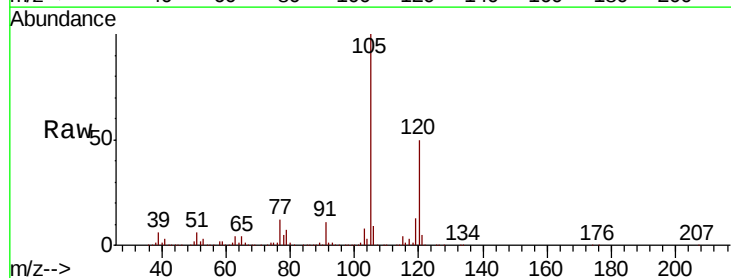
Acq: 27 Aug 2018 10:19

Tgt Ion:105 Resp: 1602176

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.96 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

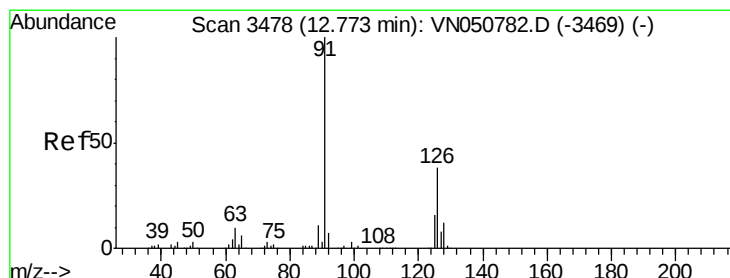
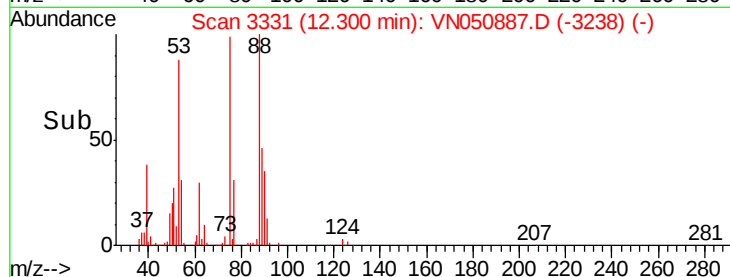
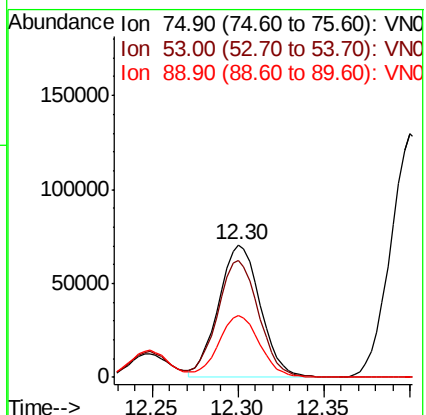
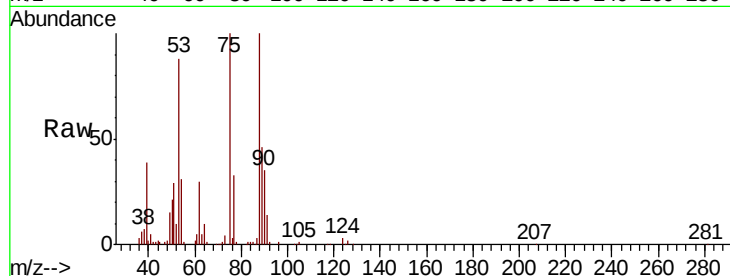
Tot Ion: 75 Resp: 119490

Ion Ratio Lower Upper

75 100

53 87.7 68.9 103.3

89 45.6 36.1 54.1



#82

4-Chlorotoluene

Concen: 54.04 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050887.D

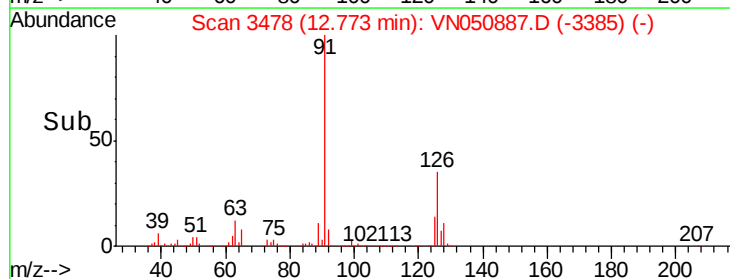
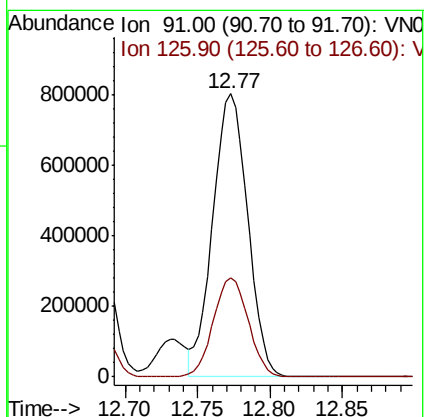
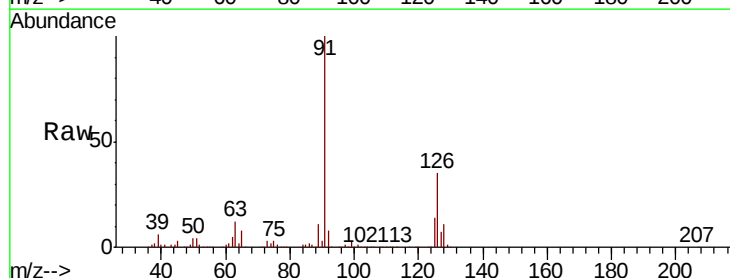
Acq: 27 Aug 2018 10:19

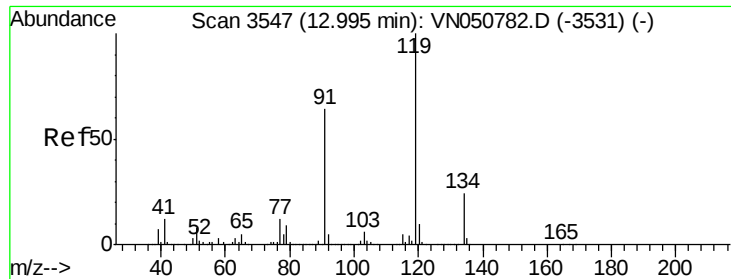
Tgt Ion: 91 Resp: 1338524

Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.5

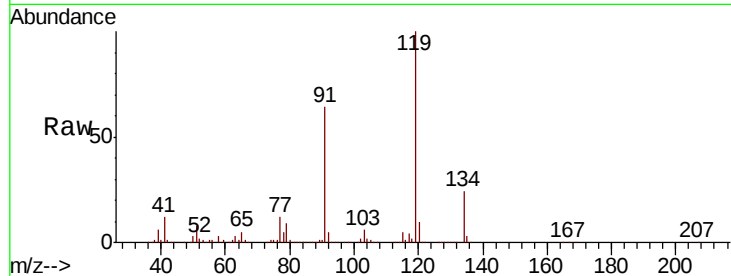




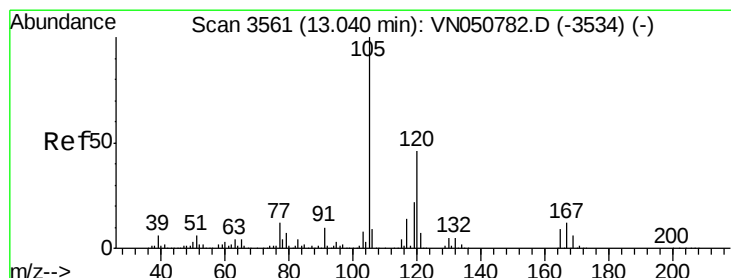
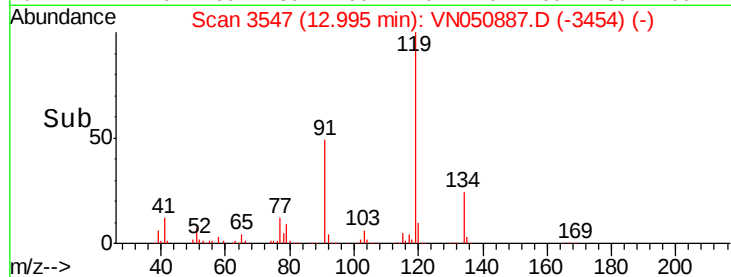
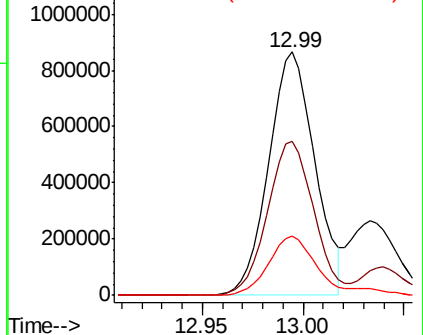
#83
tert-Butylbenzene
Concen: 54.47 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1372462
Ion Ratio Lower Upper
119 100
91 63.1 31.6 94.7
134 24.7 13.4 40.1

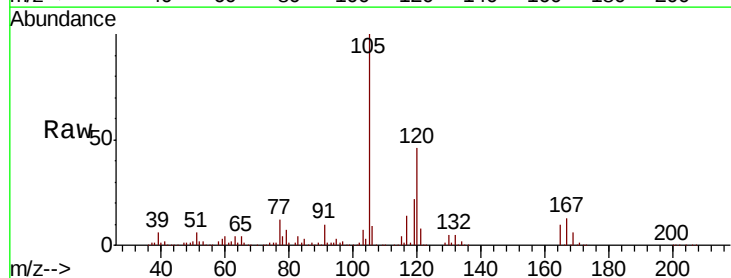


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V

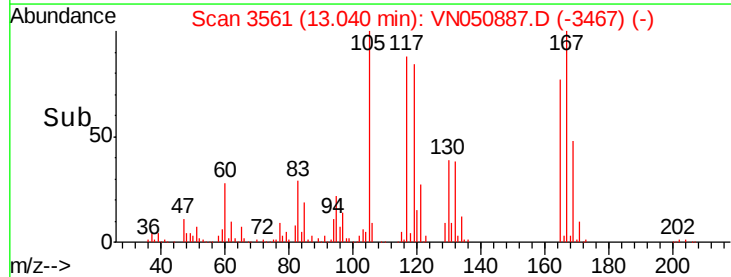
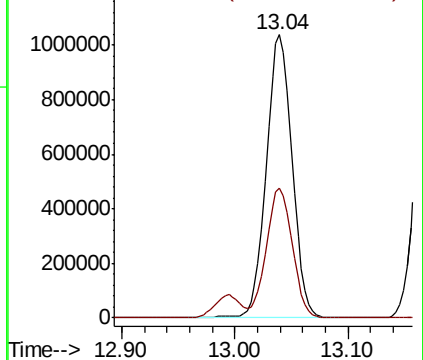


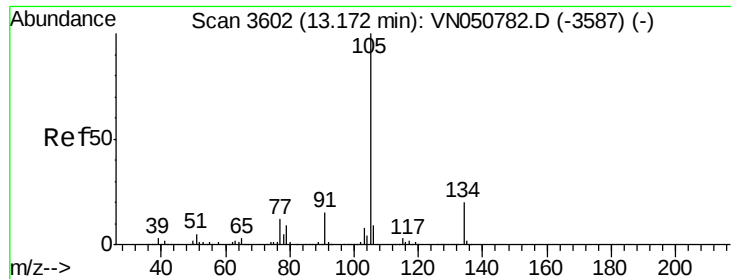
#84
1,2,4-Trimethylbenzene
Concen: 55.98 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion:105 Resp: 1638409
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 56.08 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampled :

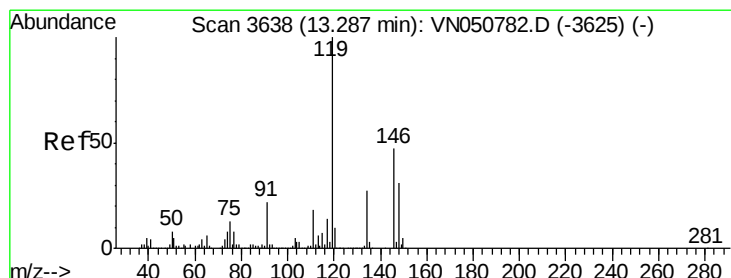
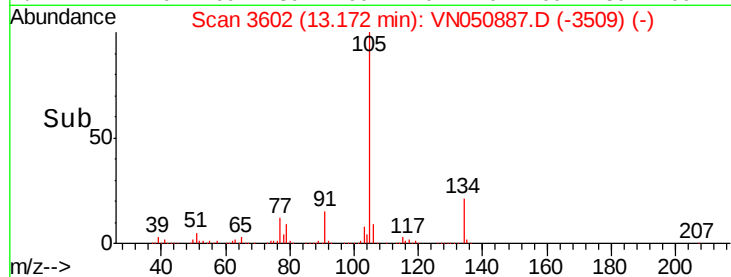
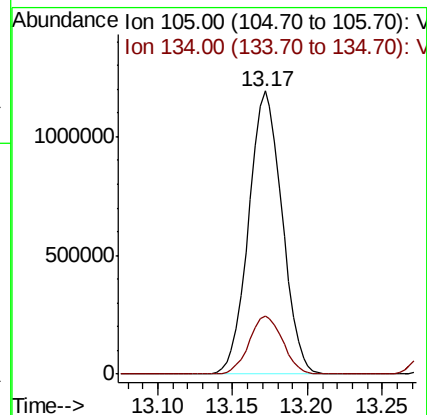
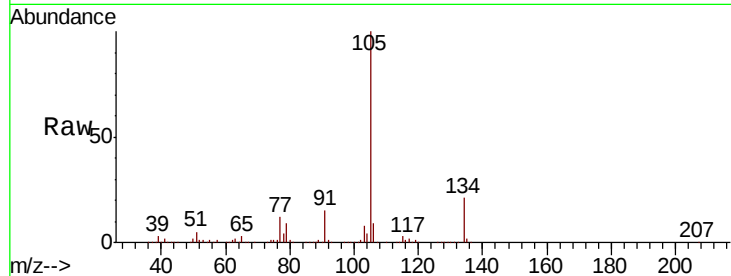
VSTDCCC050

Tot Ion:105 Resp: 1851711

Ion Ratio Lower Upper

105 100

134 20.7 10.3 30.8



#86

p-Isopropyltoluene

Concen: 58.24 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

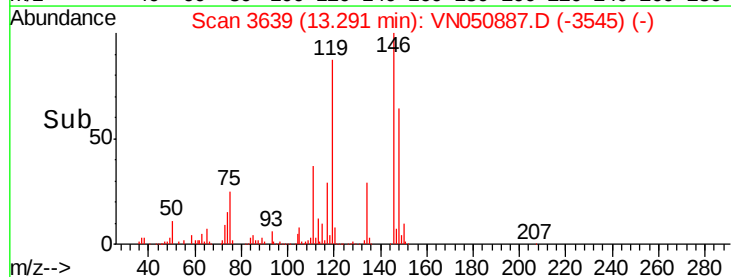
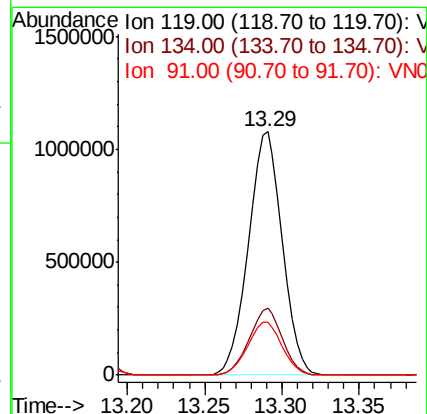
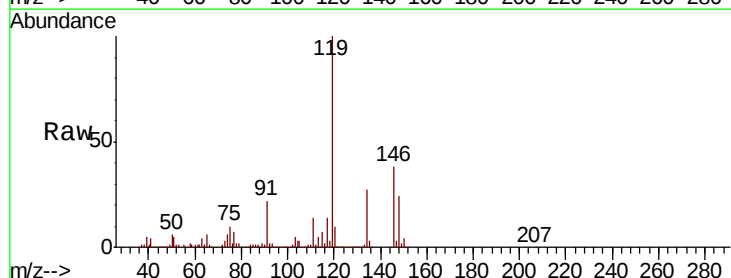
Tgt Ion:119 Resp: 1638565

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

91 22.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 52.45 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

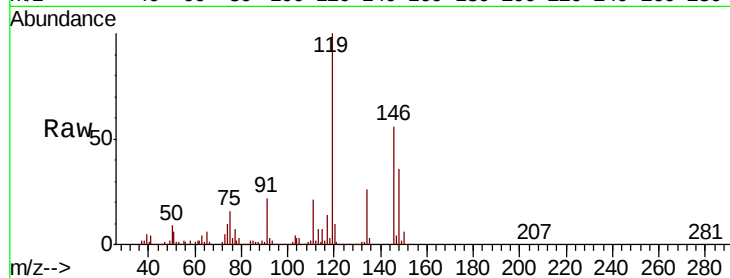
Tot Ion:146 Resp: 872207

Ion Ratio Lower Upper

146 100

111 38.0 19.1 57.3

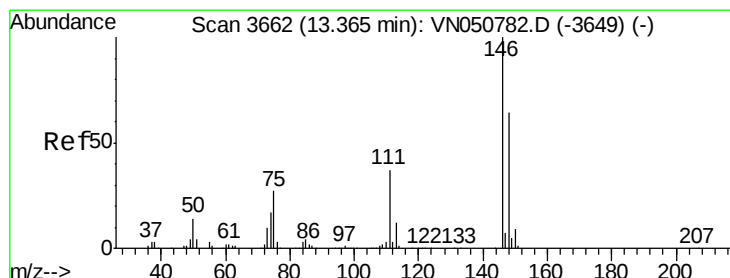
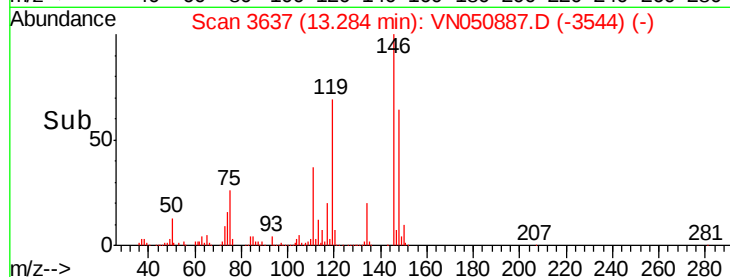
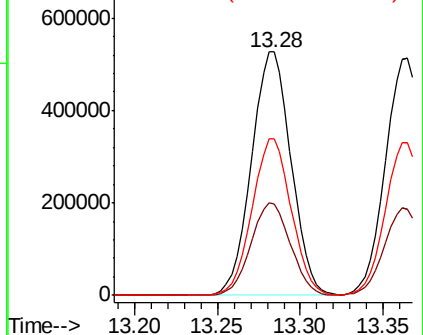
148 63.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 51.56 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

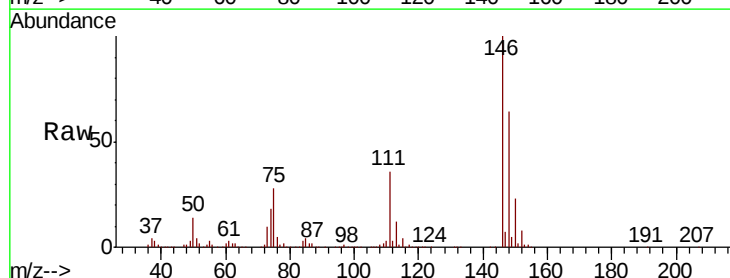
Tgt Ion:146 Resp: 843887

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.3

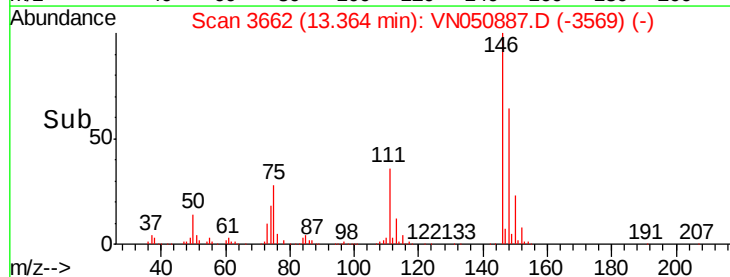
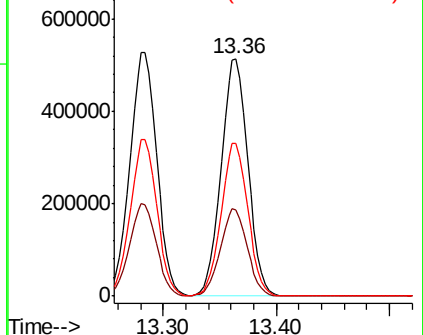
148 64.4 32.2 96.6

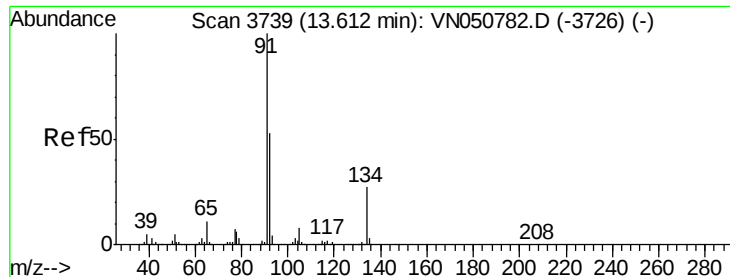


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

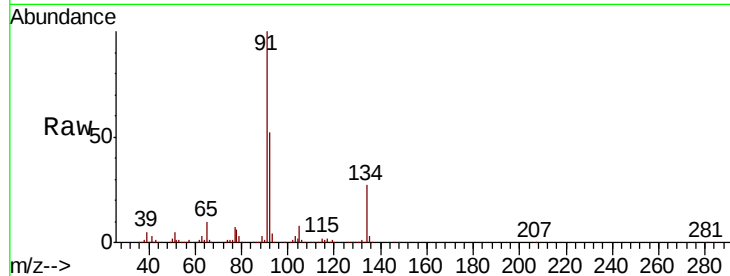




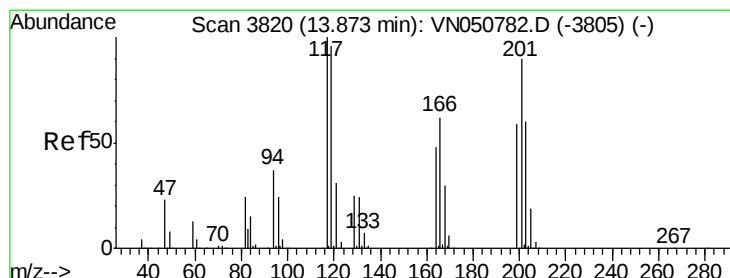
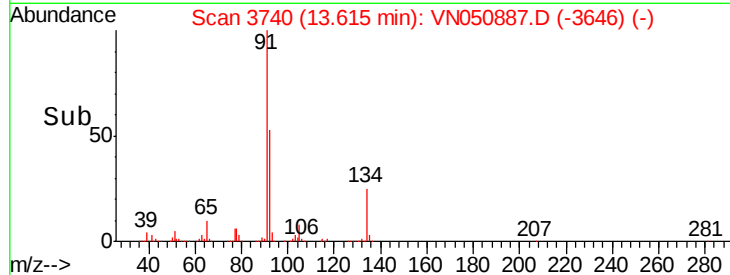
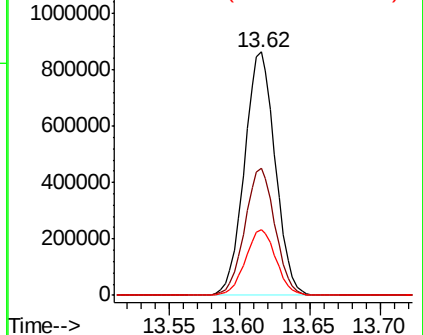
#89
n-Butylbenzene
Concen: 58.52 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1316791
Ion Ratio Lower Upper
91 100
92 51.5 26.1 78.2
134 26.8 13.2 39.6

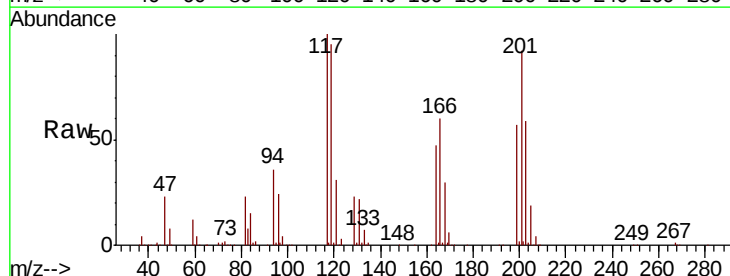


Abundance Ion 91.00 (90.70 to 91.70): VN050887.D (-3740) (-)
Ion 92.00 (91.70 to 92.70): VN050887.D (-3740) (-)
Ion 134.00 (133.70 to 134.70): VN050887.D (-3740) (-)

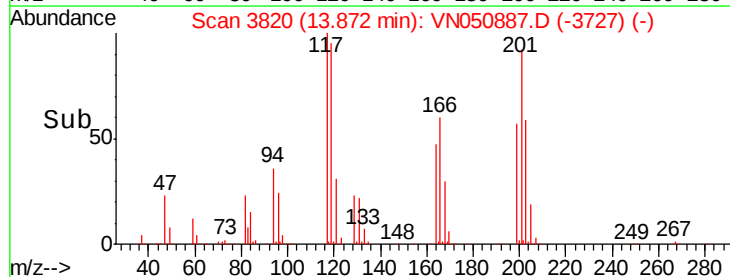
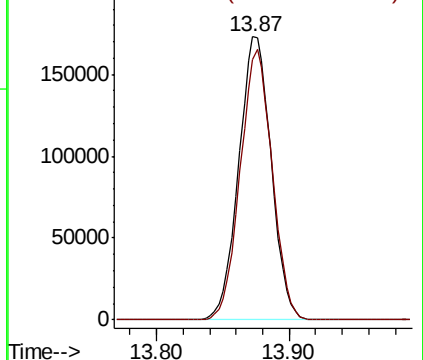


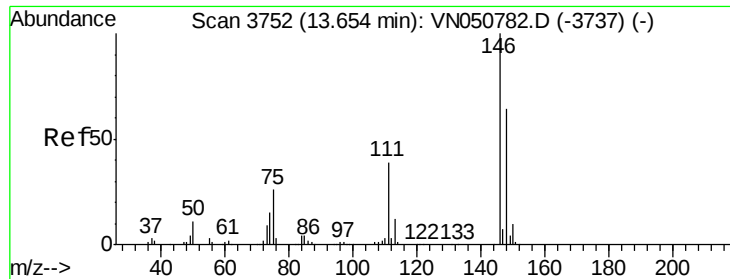
#90
Hexachloroethane
Concen: 54.87 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050887.D
Acq: 27 Aug 2018 10:19

Tgt Ion: 117 Resp: 294318
Ion Ratio Lower Upper
117 100
201 93.6 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050887.D (-3820) (-)
Ion 200.70 (200.40 to 201.40): VN050887.D (-3820) (-)





#91

1,2-Dichlorobenzene

Concen: 51.95 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

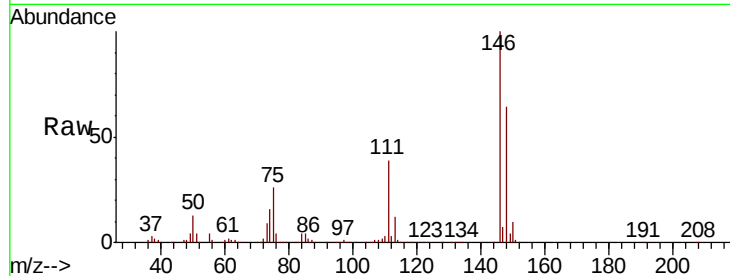
Tot Ion:146 Resp: 833469

Ion Ratio Lower Upper

146 100

111 39.0 19.8 59.3

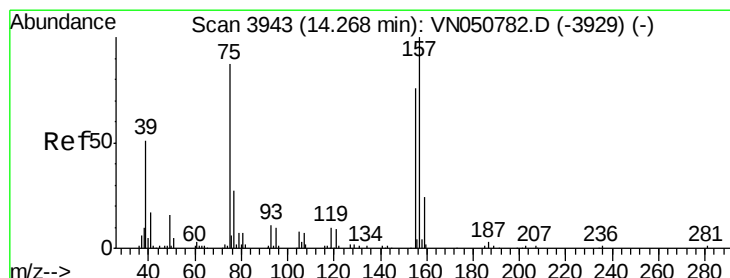
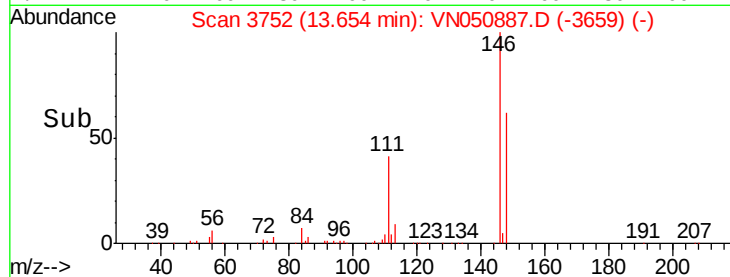
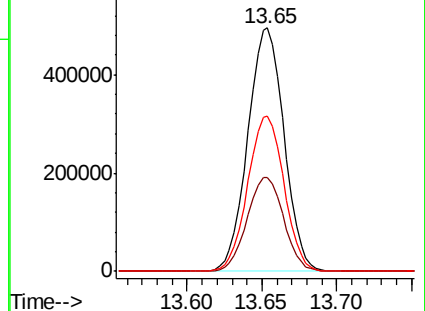
148 63.9 32.3 96.8



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.81 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

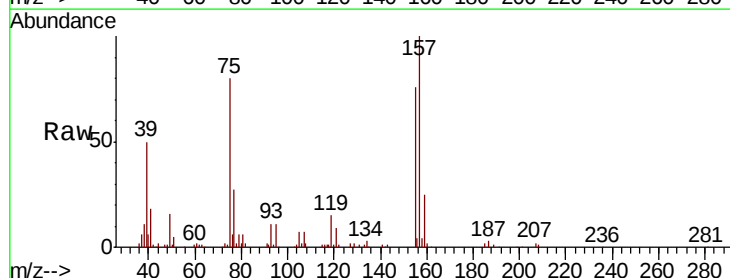
Tgt Ion: 75 Resp: 61916

Ion Ratio Lower Upper

75 100

155 96.4 46.4 139.1

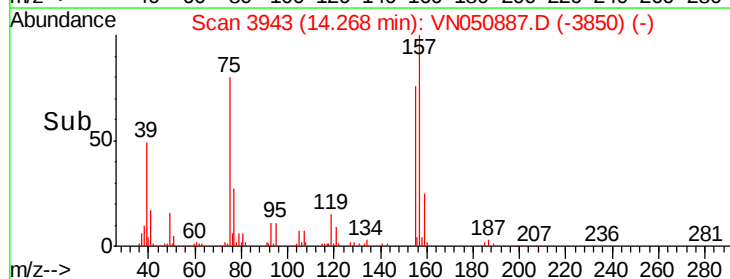
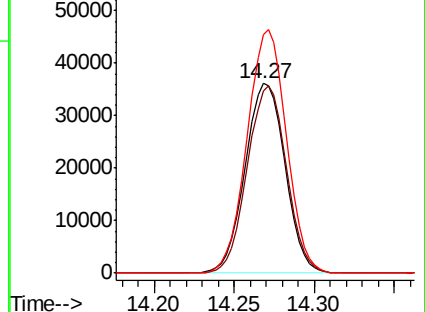
157 125.8 60.7 182.0

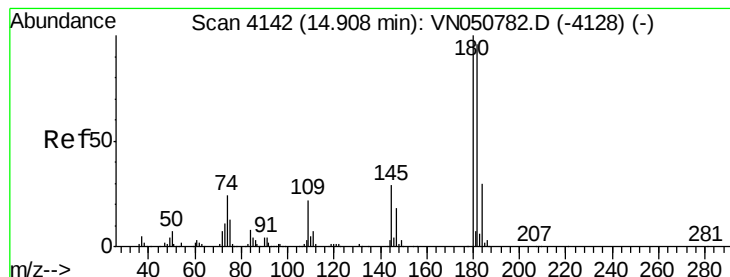


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 48.65 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

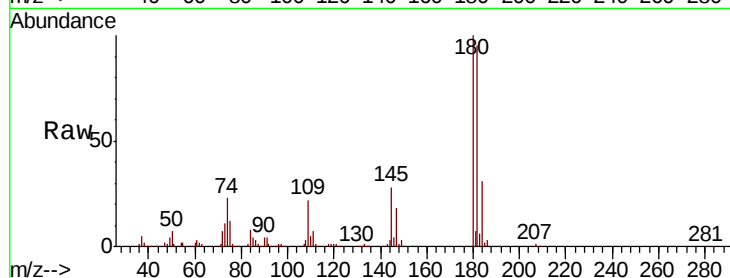
Tot Ion:180 Resp: 405073

Ion Ratio Lower Upper

180 100

182 95.0 48.2 144.6

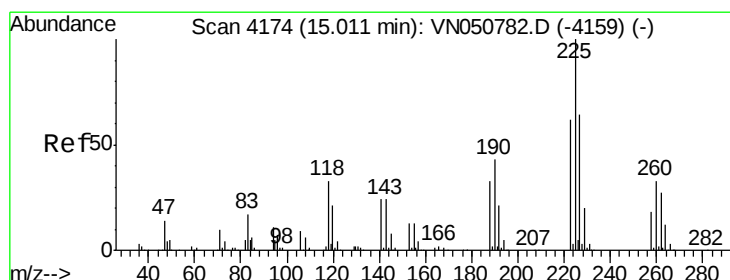
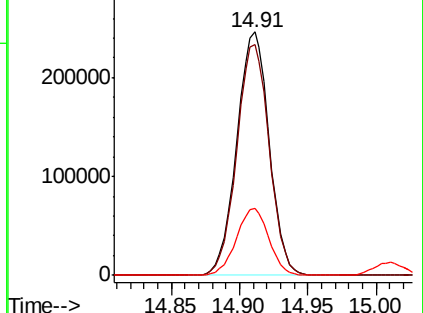
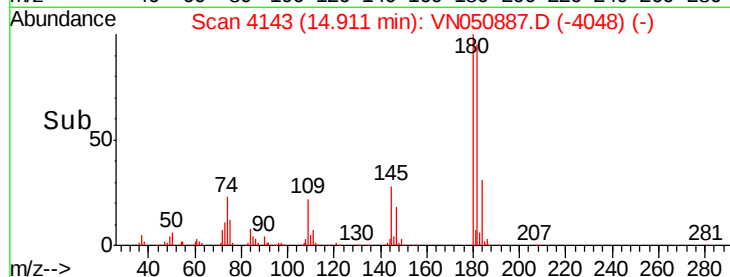
145 27.6 14.1 42.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 57.20 ug/l

RT: 15.01 min Scan# 4174

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

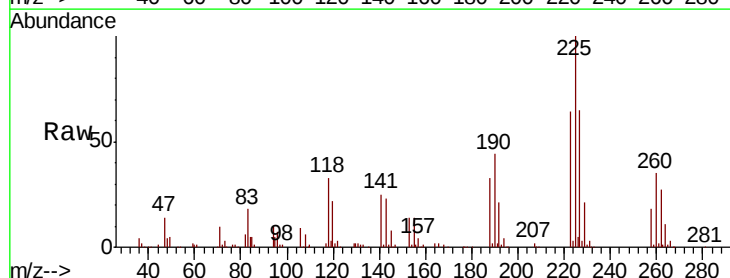
Tgt Ion:225 Resp: 271290

Ion Ratio Lower Upper

225 100

223 63.8 31.3 93.8

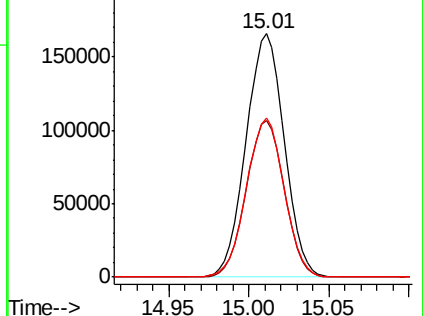
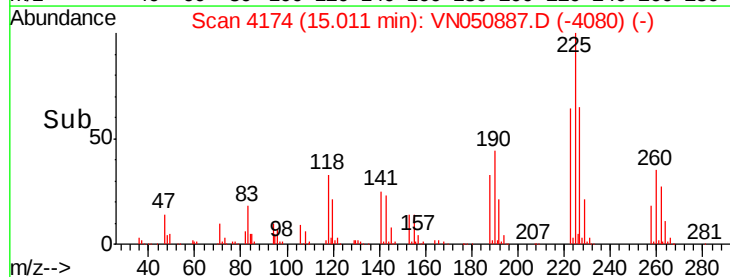
227 64.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.03 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

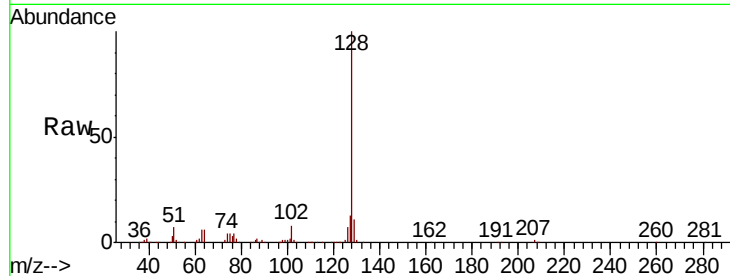
Tot Ion:128 Resp: 753469

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

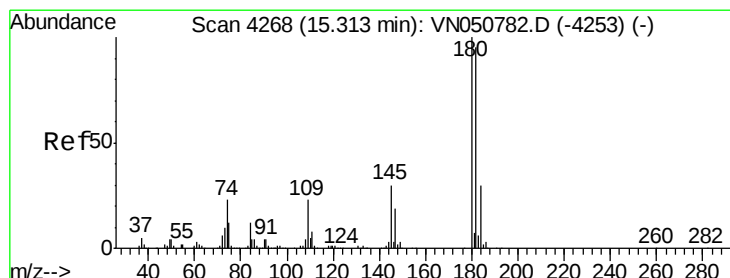
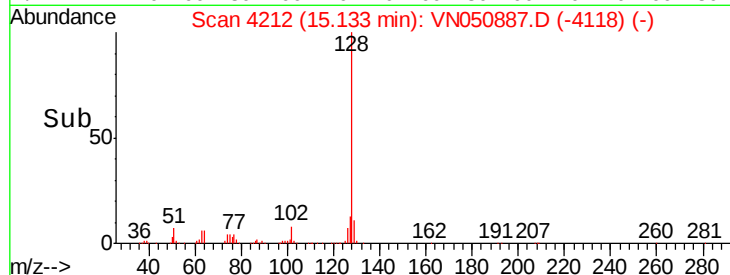
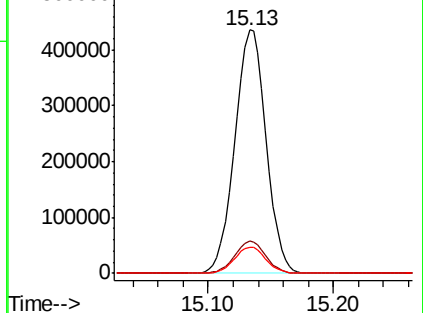
129 10.8 8.7 13.1



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: 50.44 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050887.D

Acq: 27 Aug 2018 10:19

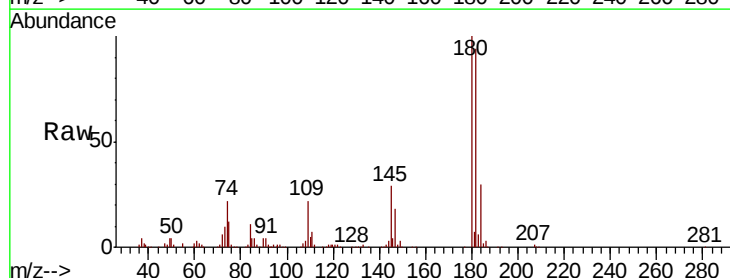
Tgt Ion:180 Resp: 394862

Ion Ratio Lower Upper

180 100

182 94.2 48.0 144.2

145 29.3 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

