

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050073.D
 Acq On : 26 Jul 2018 10:53
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 27 01:16:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	708973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	994187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	491060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	456715	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
35) Dibromofluoromethane	7.59	113	407021	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1555166	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	529289	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	494097	48.50	ug/l	99
3) Chloromethane	2.06	50	477221	43.10	ug/l	98
4) Vinyl Chloride	2.18	62	507472	43.52	ug/l	97
5) Bromomethane	2.56	94	313209	48.34	ug/l	100
6) Chloroethane	2.70	64	294676	42.08	ug/l	98
7) Trichlorofluoromethane	3.01	101	660618	43.73	ug/l	100
8) Diethyl Ether	3.41	74	219889	43.66	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	410961	45.24	ug/l	99
10) Methyl Iodide	3.95	142	545699	46.81	ug/l	99
11) Tert butyl alcohol	4.79	59	144311	198.28	ug/l	100
12) 1,1-Dichloroethene	3.73	96	358716	43.90	ug/l	98
13) Acrolein	3.61	56	84776	144.97	ug/l	98
14) Allyl chloride	4.32	41	579861	45.76	ug/l	100
15) Acrylonitrile	4.99	53	668726	210.60	ug/l	100
16) Acetone	3.82	43	585411	251.27	ug/l	98
17) Carbon Disulfide	4.05	76	1071117	42.79	ug/l	100
18) Methyl Acetate	4.33	43	409856	45.06	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1001007	45.97	ug/l	99
20) Methylene Chloride	4.55	84	409336	46.59	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	383720	44.32	ug/l	99
22) Diisopropyl ether	5.95	45	1214515	48.34	ug/l	99
23) Vinyl Acetate	5.90	43	4084484	230.06	ug/l	99
24) 1,1-Dichloroethane	5.85	63	720118	43.83	ug/l	100
25) 2-Butanone	6.84	43	839776	222.57	ug/l	100
26) 2,2-Dichloropropane	6.82	77	618374	49.48	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	432280	46.38	ug/l	99
28) Bromochloromethane	7.19	49	352485	47.04	ug/l	99
29) Tetrahydrofuran	7.21	42	510488	209.38	ug/l	99
30) Chloroform	7.37	83	732963	43.72	ug/l	99
31) Cyclohexane	7.65	56	639934	46.97	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	638592	44.53	ug/l	100
36) 1,1-Dichloropropene	7.79	75	570037	50.89	ug/l	99
37) Ethyl Acetate	6.93	43	349079	44.70	ug/l	99
38) Carbon Tetrachloride	7.77	117	570420	47.99	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	627968	54.50	ug/l	98
40) Benzene	8.04	78	1664996	48.85	ug/l	100
41) Methacrylonitrile	7.18	41	181949	45.02	ug/l	85
42) 1,2-Dichloroethane	8.12	62	528330	46.46	ug/l	100
43) Isopropyl Acetate	8.17	43	665479	45.11	ug/l	99
44) Trichloroethene	8.84	130	440390	48.08	ug/l	100
45) 1,2-Dichloropropane	9.12	63	438350	48.56	ug/l	98
46) Dibromomethane	9.21	93	264604	47.20	ug/l	99
47) Bromodichloromethane	9.40	83	569933	48.17	ug/l	100
48) Methyl methacrylate	9.20	41	326316	48.52	ug/l	100
49) 1,4-Dioxane	9.20	88	85721	936.55	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1792085	233.44	ug/l	99
52) Toluene	10.16	92	1037919	51.59	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	584753	52.38	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	663076	51.97	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	377852	47.35	ug/l	98
56) Ethyl methacrylate	10.43	69	483422	44.93	ug/l	99
57) 1,3-Dichloropropane	10.71	76	632881	48.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1176870	233.60	ug/l	100
59) 2-Hexanone	10.75	43	1255627	223.15	ug/l	99
60) Dibromochloromethane	10.90	129	440540	49.86	ug/l	100
61) 1,2-Dibromoethane	11.01	107	378504	47.80	ug/l	99
64) Tetrachloroethene	10.63	164	426931	47.90	ug/l	98
65) Chlorobenzene	11.44	112	1128356	48.19	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	426723	47.43	ug/l	99
67) Ethyl Benzene	11.51	91	1970028	52.38	ug/l	100
68) m/p-Xylenes	11.62	106	1517338	106.65	ug/l	100
69) o-Xylene	11.95	106	720714	53.14	ug/l	99
70) Styrene	11.97	104	1180852	48.97	ug/l	99
71) Bromoform	12.13	173	307584	47.00	ug/l #	100
73) Isopropylbenzene	12.25	105	1951468	51.24	ug/l	100
74) N-amyl acetate	12.07	43	536886	46.13	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	478176	46.90	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	598799	65.61	ug/l #	100
77) Bromobenzene	12.53	156	492824	46.69	ug/l	100
78) n-propylbenzene	12.59	91	2273379	53.41	ug/l	100
79) 2-Chlorotoluene	12.68	91	1326159	50.26	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1613066	53.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	140795	48.93	ug/l	99
82) 4-Chlorotoluene	12.77	91	1337893	51.21	ug/l	99
83) tert-Butylbenzene	12.99	119	1382497	52.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1656676	54.87	ug/l	99
85) sec-Butylbenzene	13.17	105	1877379	53.75	ug/l	100
86) p-Isopropyltoluene	13.29	119	1639742	55.71	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	875460	48.93	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	855400	49.05	ug/l	99
89) n-Butylbenzene	13.62	91	1368337	56.53	ug/l	100
90) Hexachloroethane	13.88	117	306143	46.84	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	854564	47.78	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	74262	43.66	ug/l	97

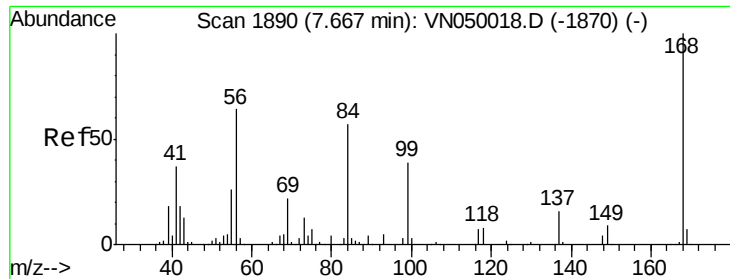
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	452008	47.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	275162	50.25	ug/l	100
95) Naphthalene	15.14	128	940324	42.64	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	436044	47.32	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

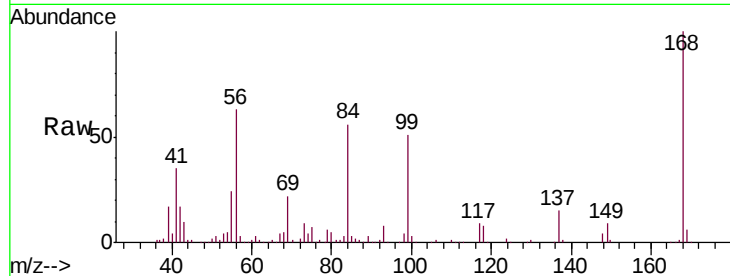
VSTDCCC050

Tot Ion:168 Resp: 708973

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

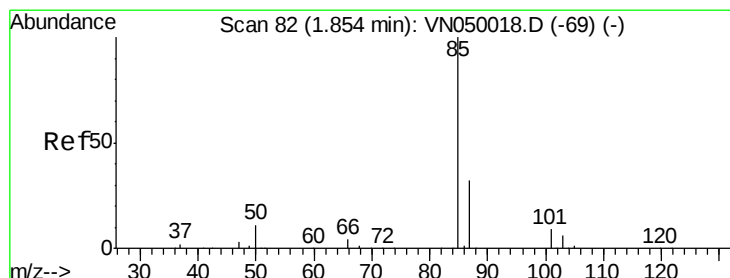
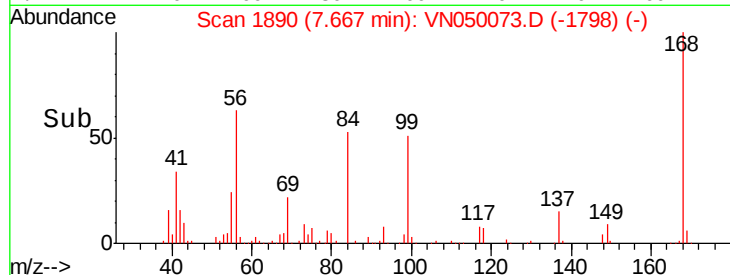
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.50 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050073.D

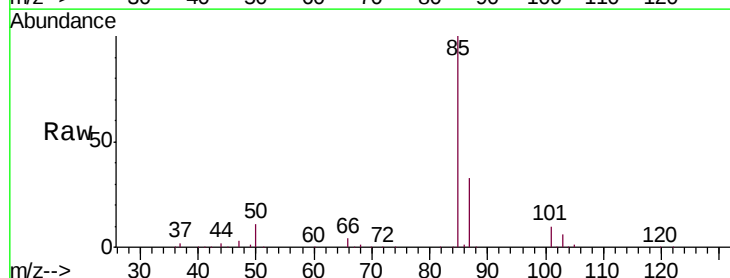
Acq: 26 Jul 2018 10:53

Tgt Ion: 85 Resp: 494097

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050018.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050018.D (-69) (-)

1.85

400000

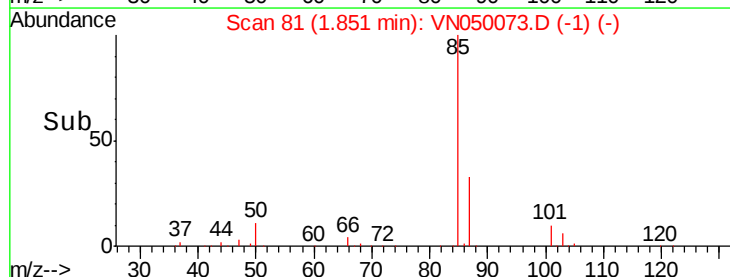
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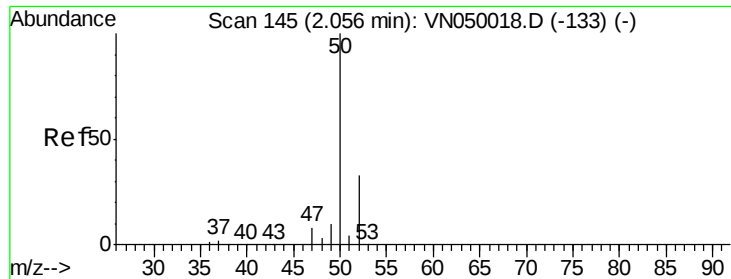
200000

100000

0

Time-->





#3

Chloromethane

Concen: 43.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

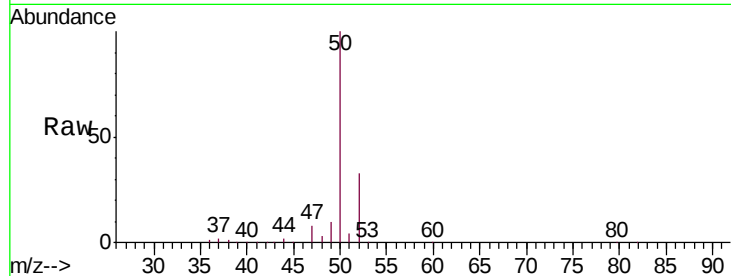
VSTDCCC050

Tot Ion: 50 Resp: 477221

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN050073.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN050073.D (-52) (-)

2.06

400000

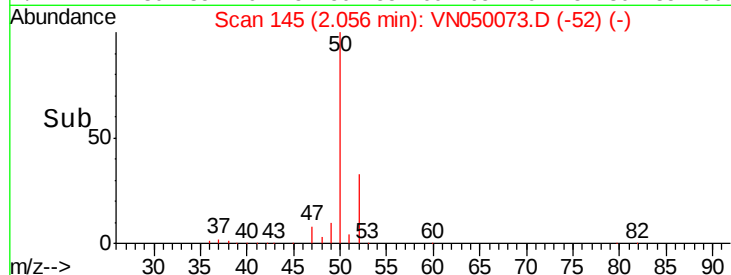
300000

200000

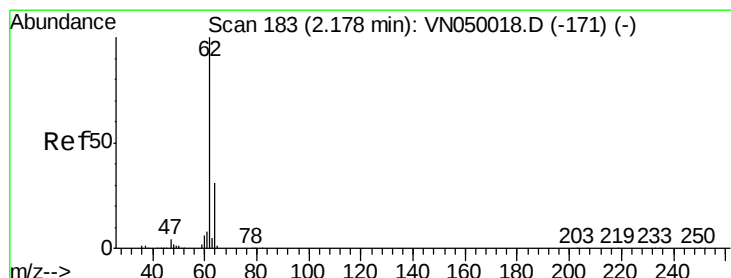
100000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 43.52 ug/l

RT: 2.18 min Scan# 183

Delta R.T. 0.00 min

Lab File: VN050073.D

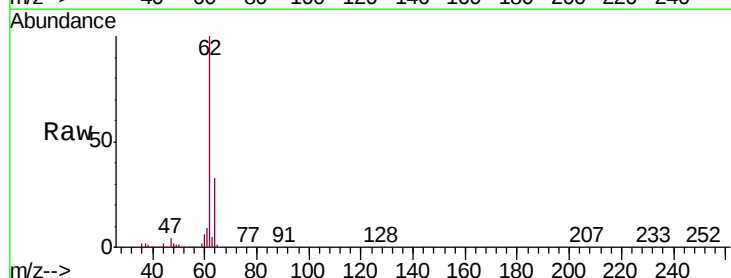
Acq: 26 Jul 2018 10:53

Tgt Ion: 62 Resp: 507472

Ion Ratio Lower Upper

62 100

64 32.7 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN050073.D (-90) (-)

Ion 63.90 (63.60 to 64.60): VN050073.D (-90) (-)

2.18

400000

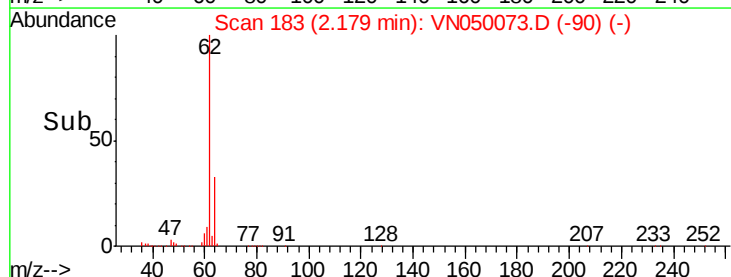
300000

200000

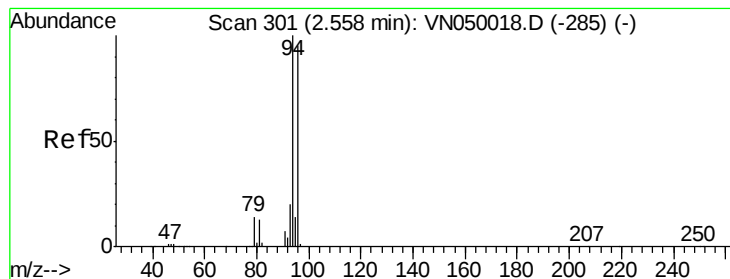
100000

0

Time-->



Time-->



#5

Bromomethane

Concen: 48.34 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

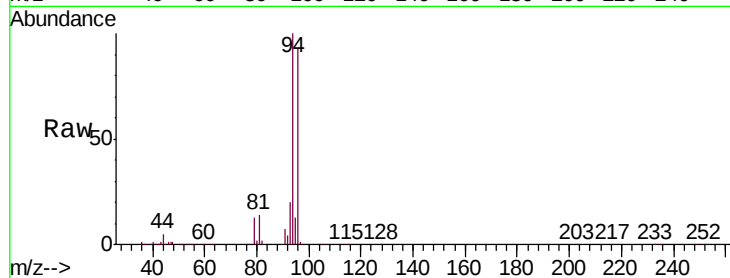
VSTDCCC050

Tot Ion: 94 Resp: 313209

Ion Ratio Lower Upper

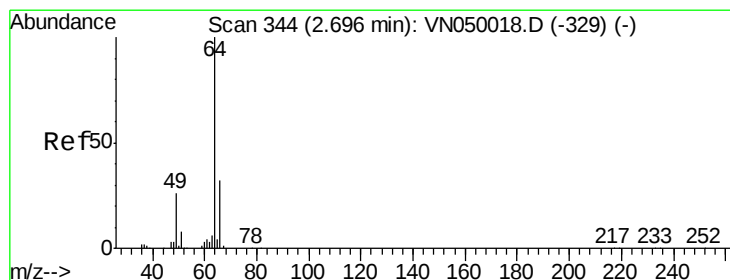
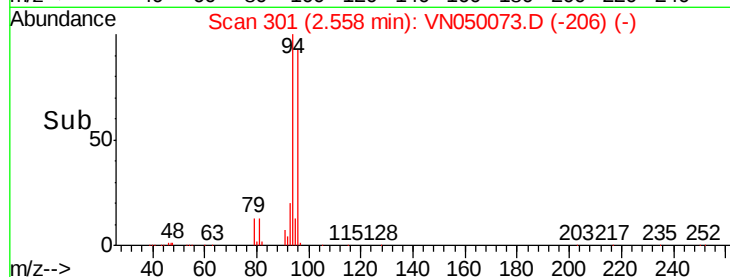
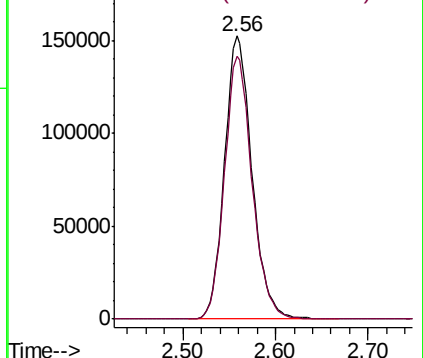
94 100

96 93.0 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.08 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050073.D

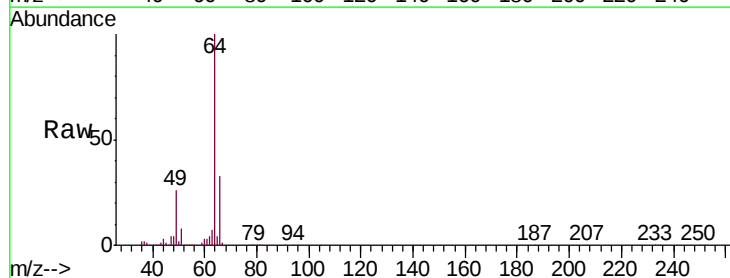
Acq: 26 Jul 2018 10:53

Tgt Ion: 64 Resp: 294676

Ion Ratio Lower Upper

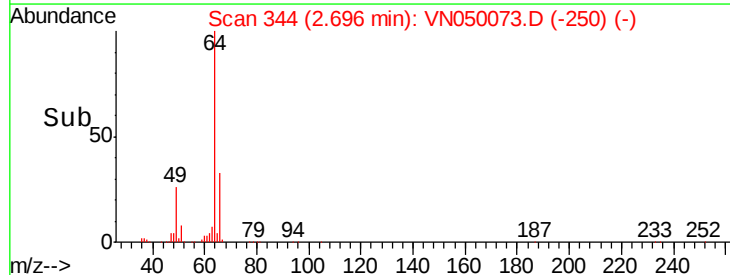
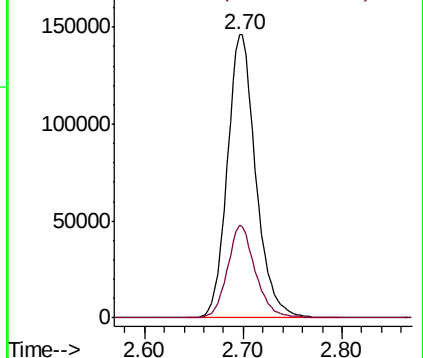
64 100

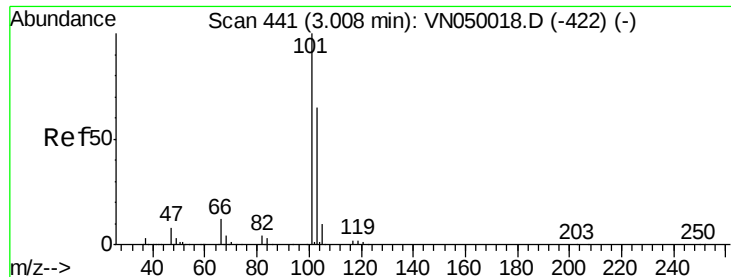
66 32.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



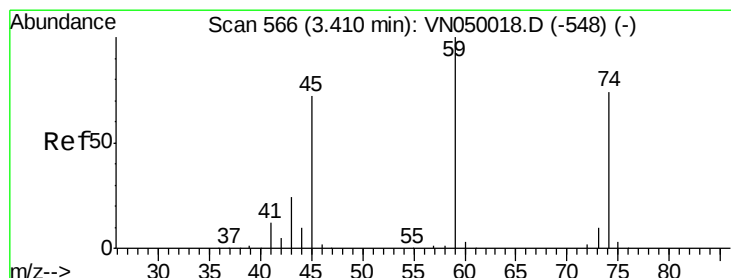
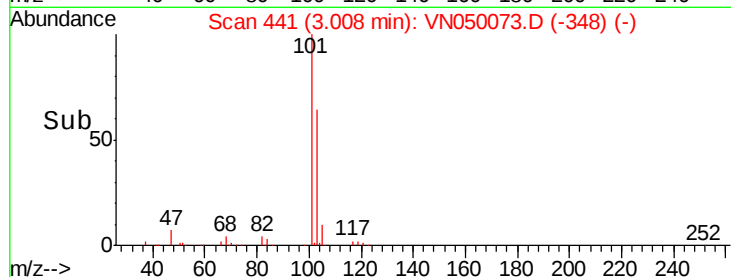
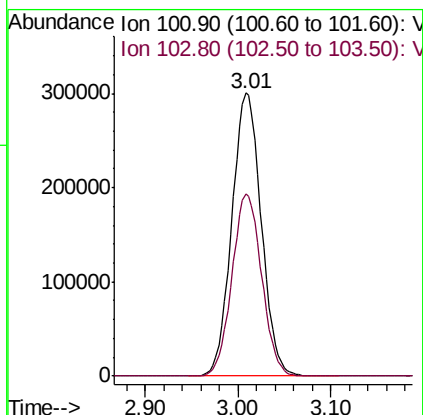
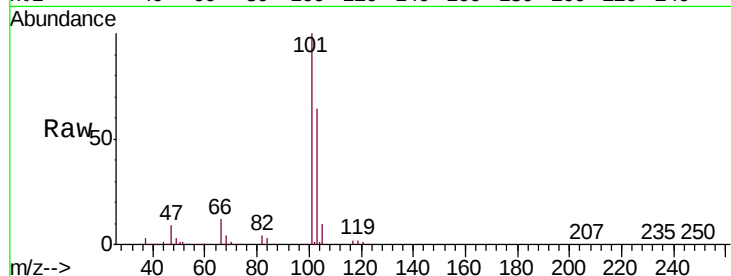


#7

Trichlorofluoromethane
Concen: 43.73 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
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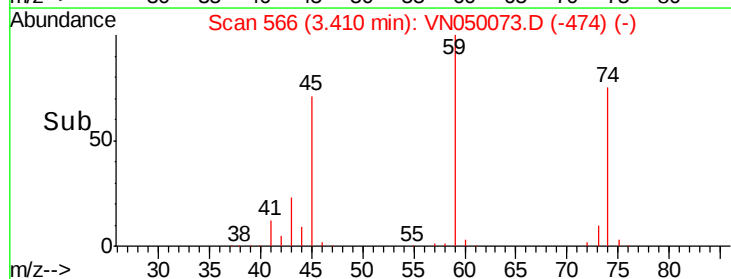
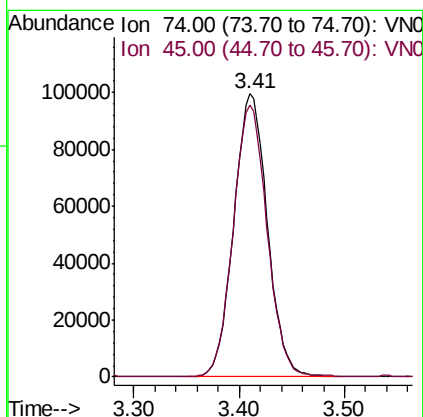
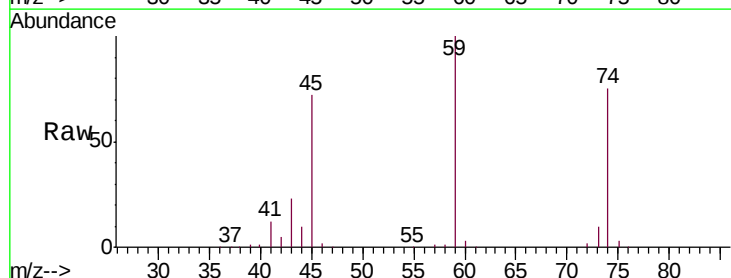
Tot Ion:101 Resp: 660618
Ion Ratio Lower Upper
101 100
103 64.4 51.7 77.5

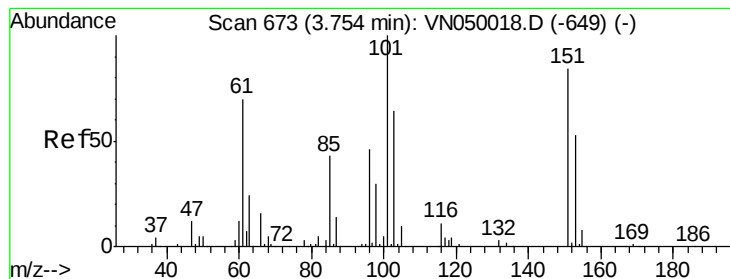


#8

Diethyl Ether
Concen: 43.66 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 74 Resp: 219889
Ion Ratio Lower Upper
74 100
45 96.3 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.24 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

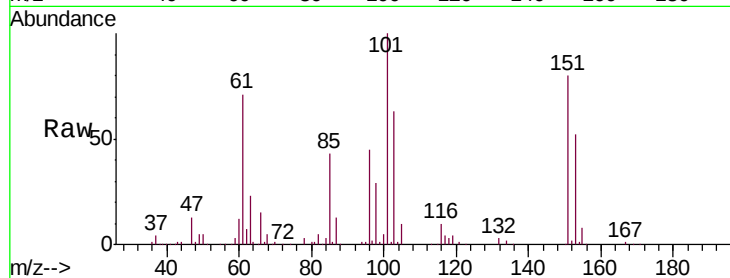
Tot Ion:101 Resp: 410961

Ion Ratio Lower Upper

101 100

85 42.4 34.2 51.2

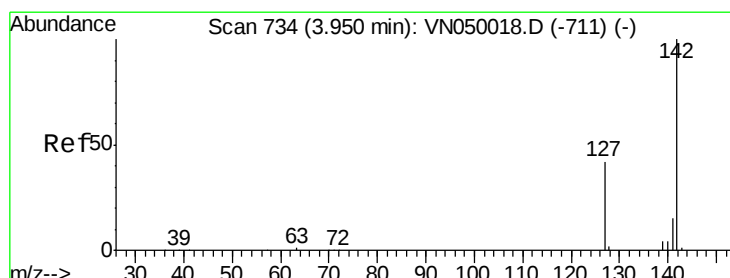
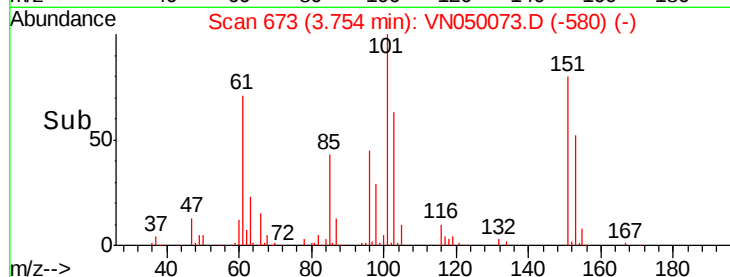
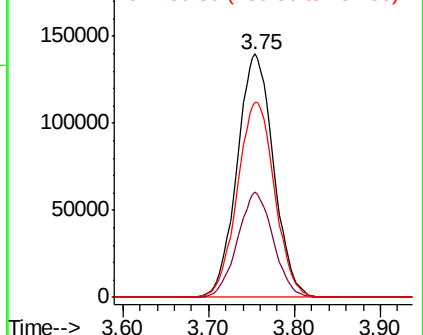
151 82.0 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.81 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

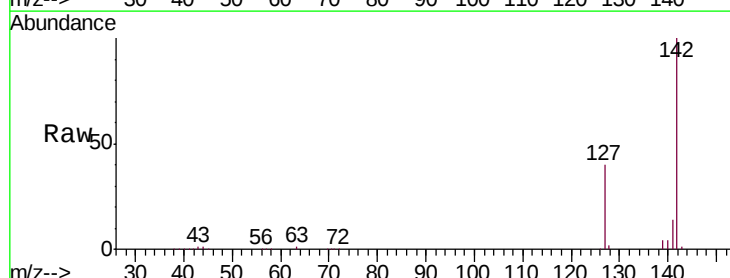
Tgt Ion:142 Resp: 545699

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

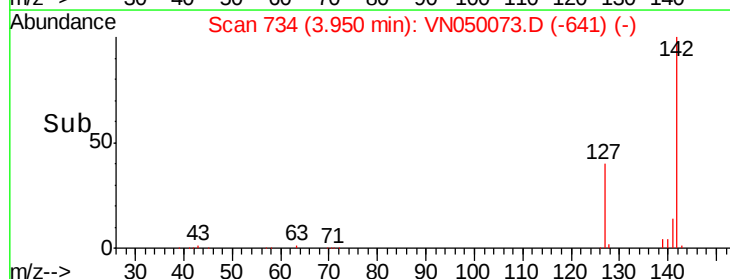
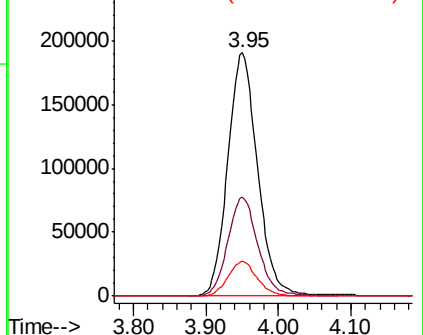
141 14.1 11.6 17.4

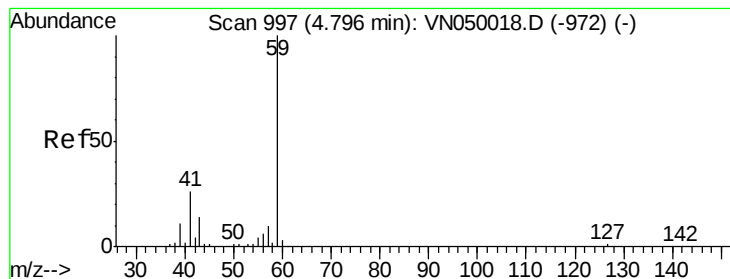


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



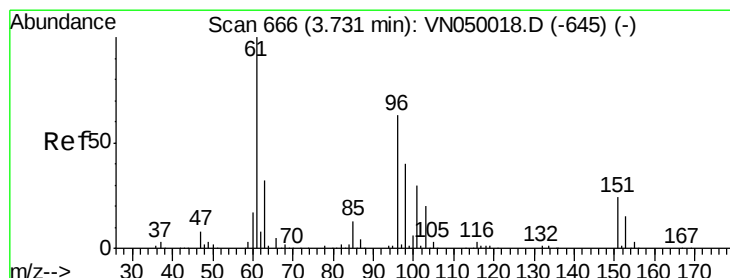
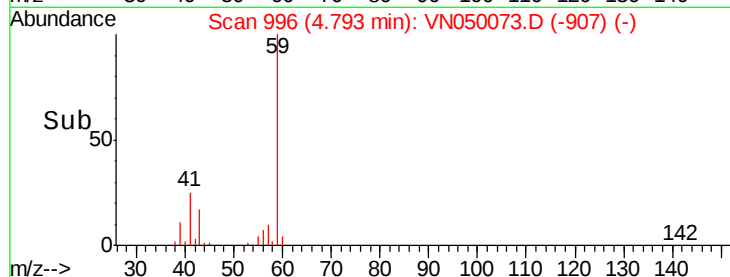
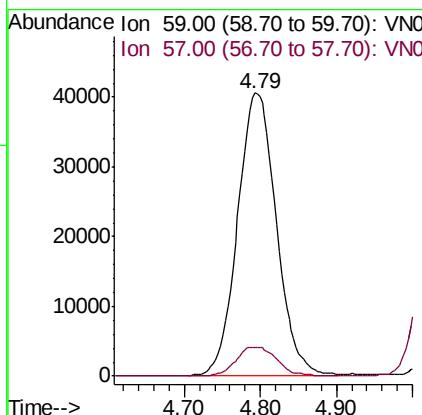
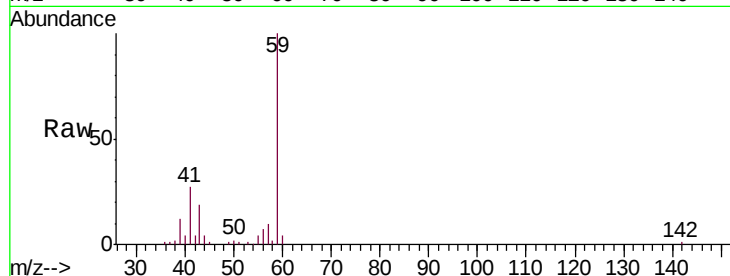


#11

Tert butyl alcohol
 Concen: 198.28 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

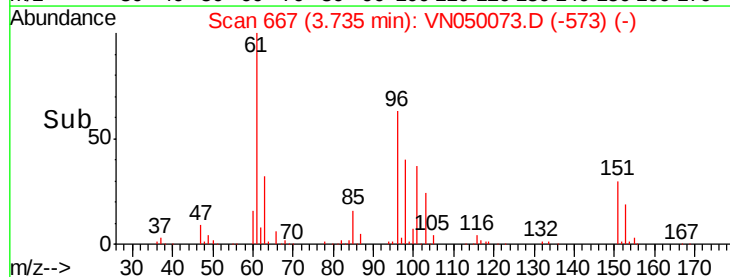
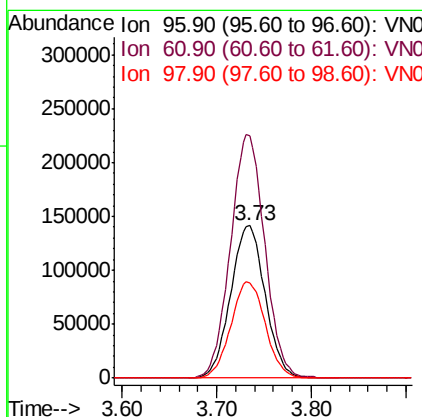
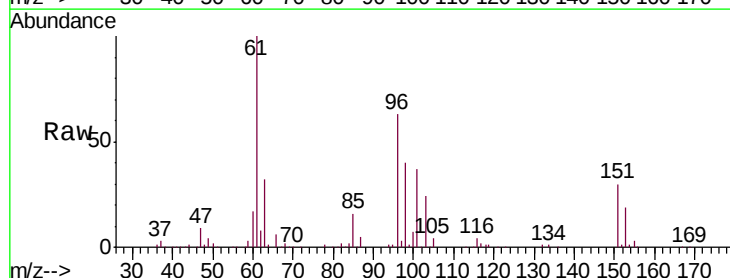
Tot Ion: 59 Resp: 144311
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.5 12.7

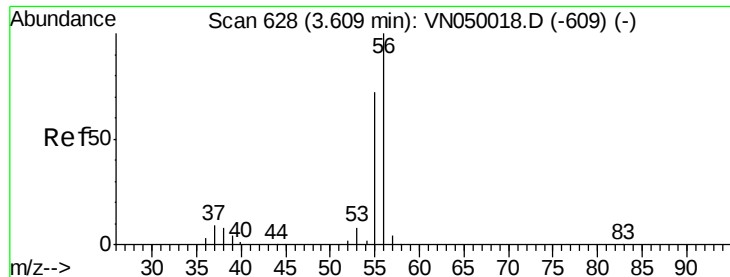


#12

1,1-Dichloroethene
 Concen: 43.90 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 96 Resp: 358716
 Ion Ratio Lower Upper
 96 100
 61 158.4 124.4 186.6
 98 62.7 48.3 72.5





#13

Acrolein

Concen: 144.97 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

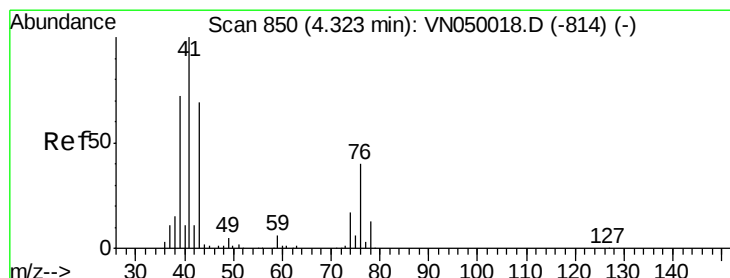
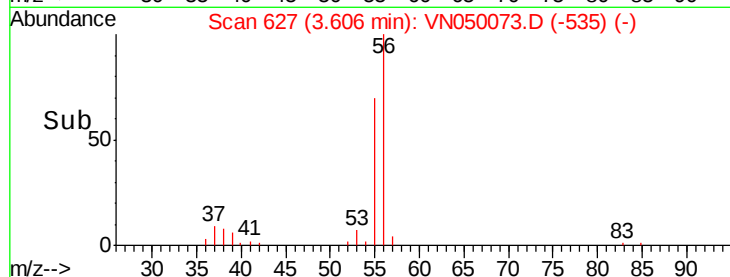
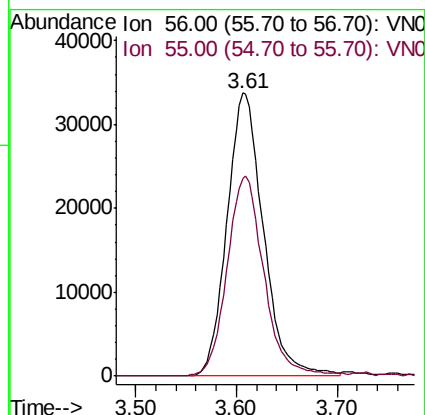
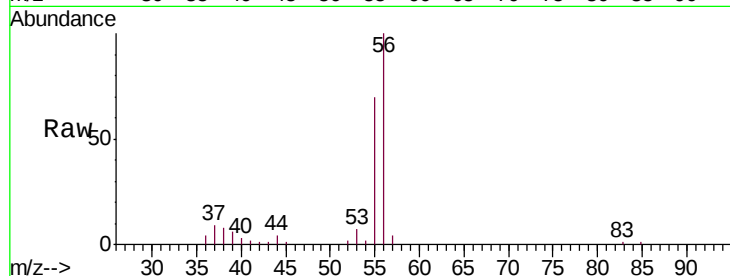
VSTDCCC050

Tot Ion: 56 Resp: 84776

Ion Ratio Lower Upper

56 100

55 71.0 55.8 83.6



#14

Allyl chloride

Concen: 45.76 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

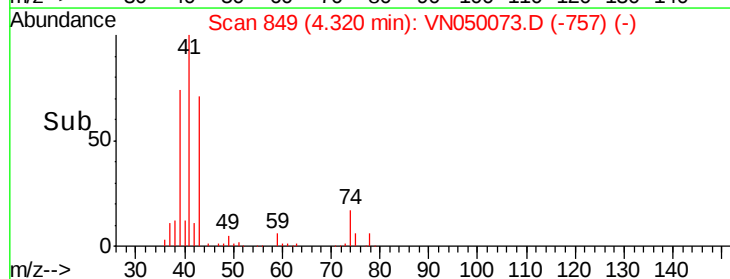
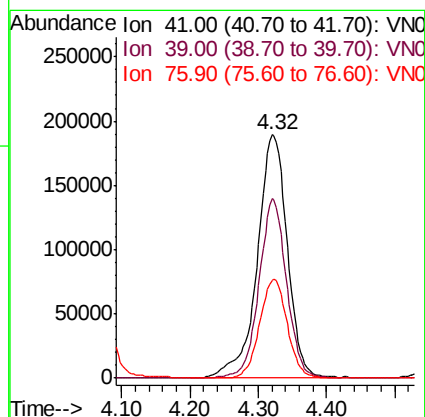
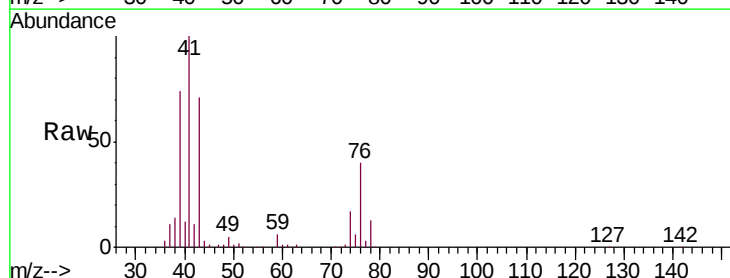
Tgt Ion: 41 Resp: 579861

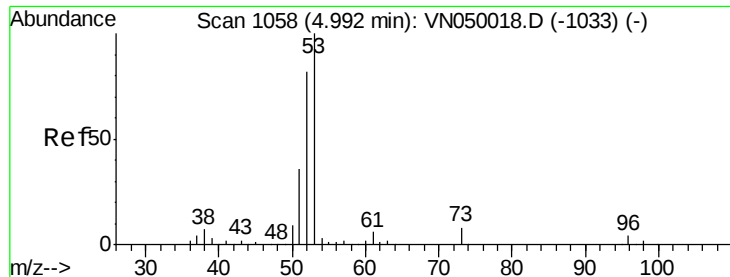
Ion Ratio Lower Upper

41 100

39 67.7 54.2 81.4

76 36.8 29.0 43.6





#15

Acrylonitrile

Concen: 210.60 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

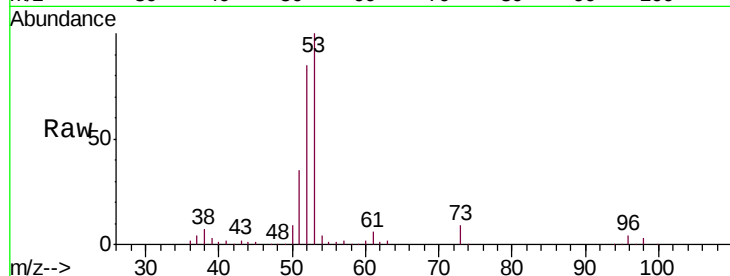
Tot Ion: 53 Resp: 668726

Ion Ratio Lower Upper

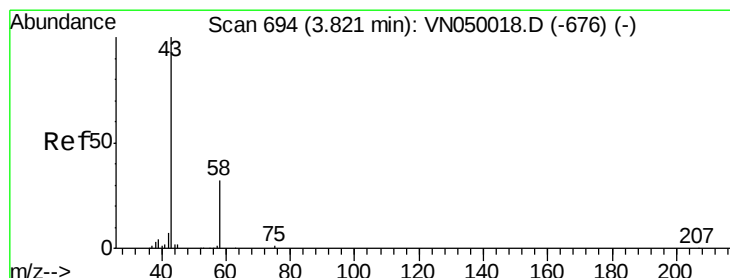
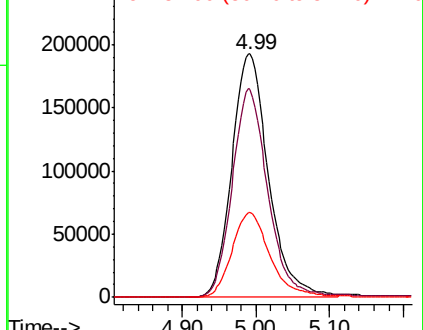
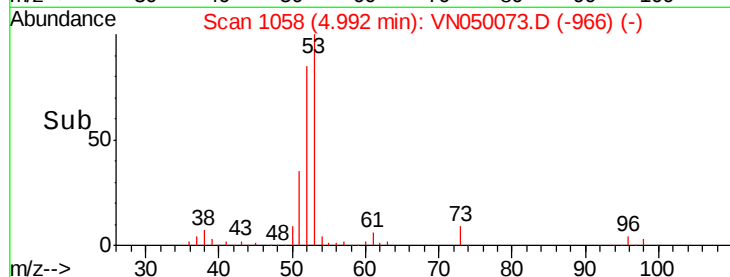
53 100

52 82.8 66.2 99.2

51 36.3 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN050073.D (-966) (-)



#16

Acetone

Concen: 251.27 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN050073.D

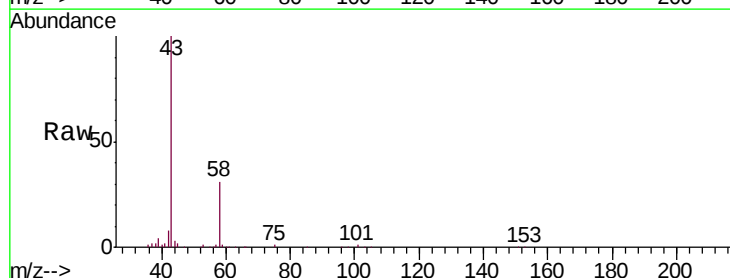
Acq: 26 Jul 2018 10:53

Tgt Ion: 43 Resp: 585411

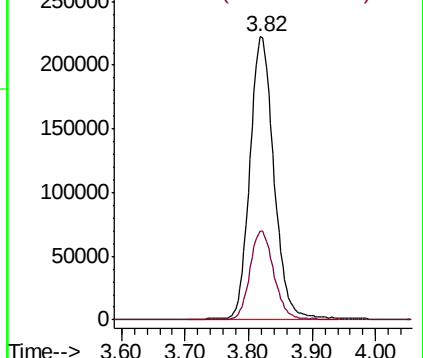
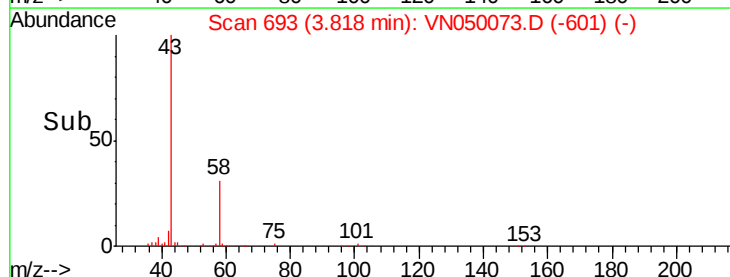
Ion Ratio Lower Upper

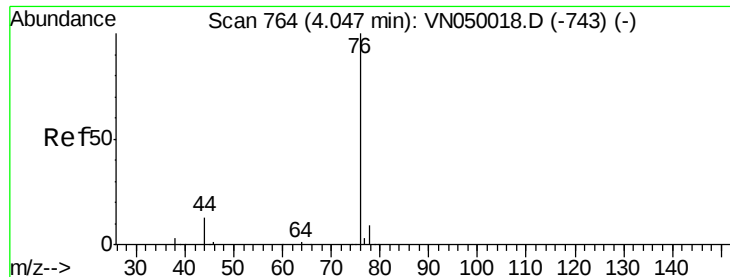
43 100

58 31.4 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN050073.D (-601) (-)

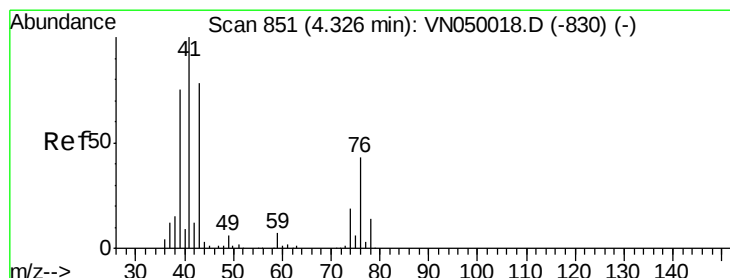
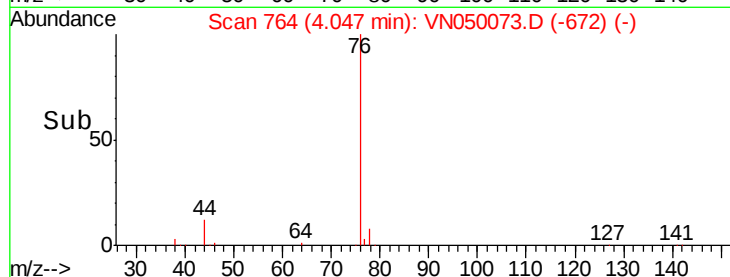
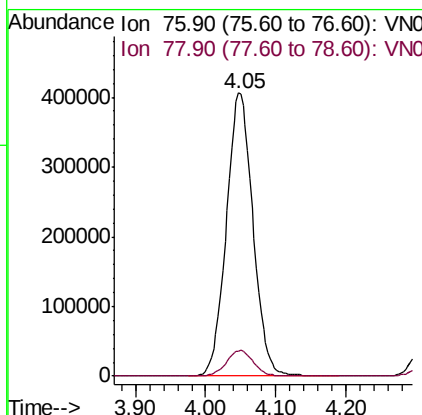
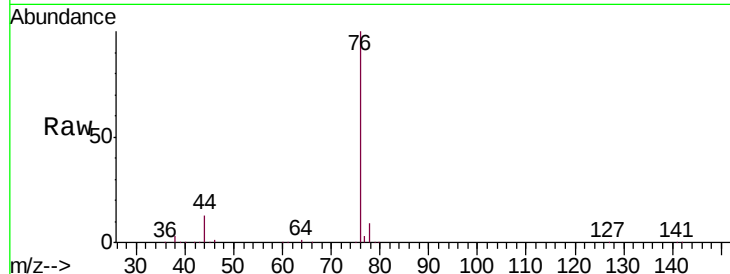




#17
Carbon Disulfide
Concen: 42.79 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

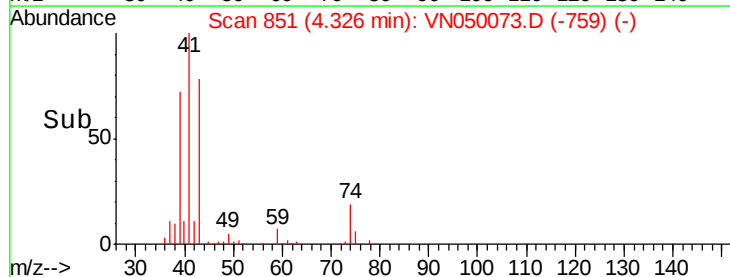
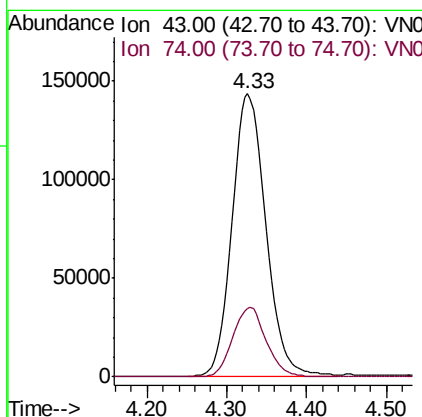
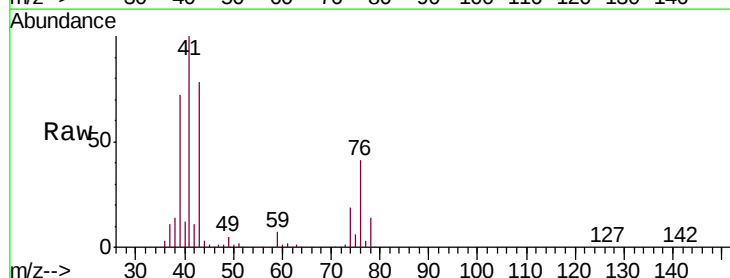
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

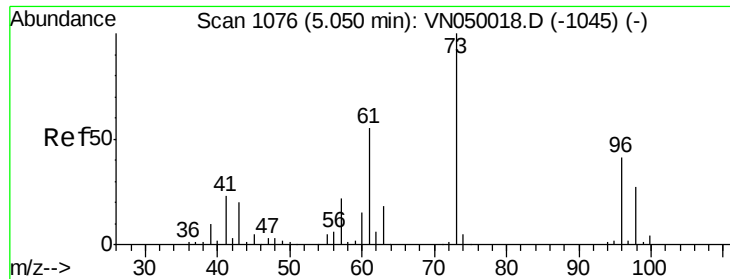
Tot Ion: 76 Resp: 1071117
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 45.06 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 43 Resp: 409856
Ion Ratio Lower Upper
43 100
74 24.4 19.2 28.8





#19

Methyl tert-butyl Ether

Concen: 45.97 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

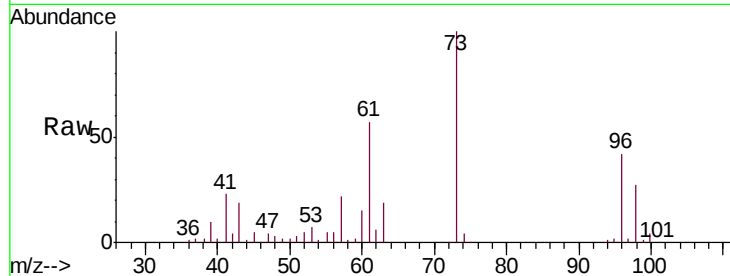
VSTDCCC050

Tot Ion: 73 Resp: 1001007

Ion Ratio Lower Upper

73 100

57 21.9 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.05

300000

250000

200000

150000

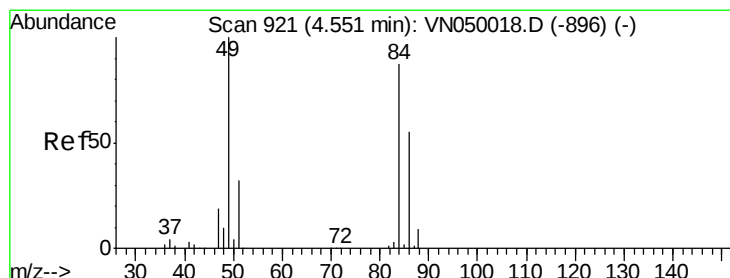
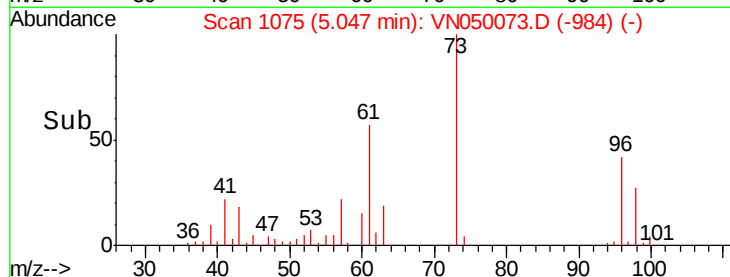
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 46.59 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion: 84 Resp: 409336

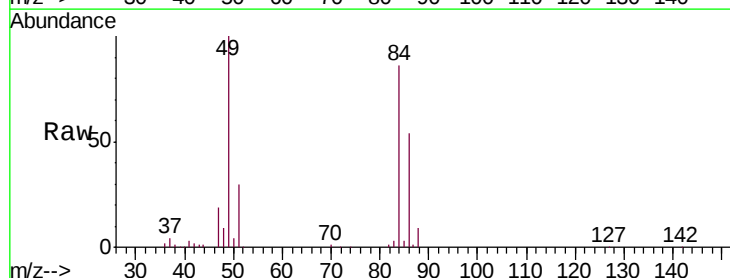
Ion Ratio Lower Upper

84 100

49 116.8 94.8 142.2

51 35.5 28.3 42.5

86 63.3 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

200000

150000

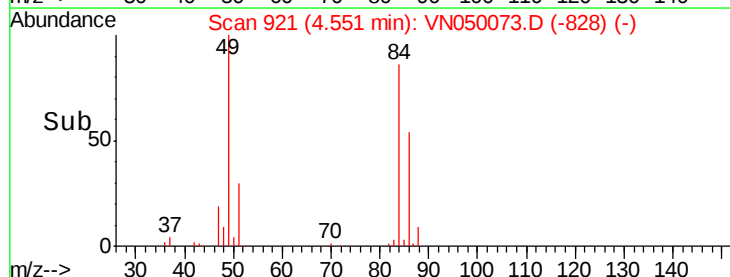
100000

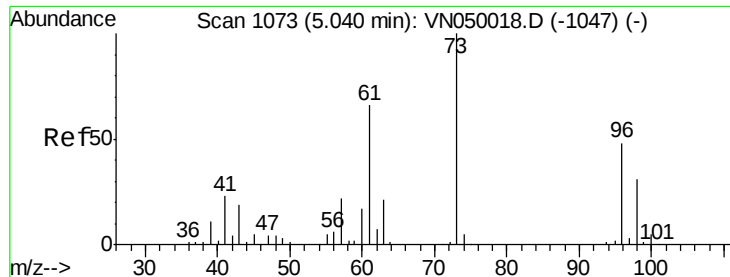
50000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 44.32 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

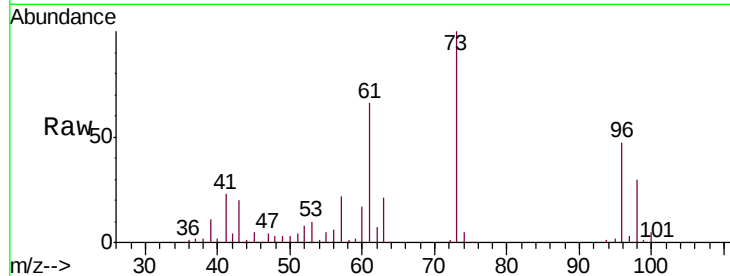
Tot Ion: 96 Resp: 383720

Ion Ratio Lower Upper

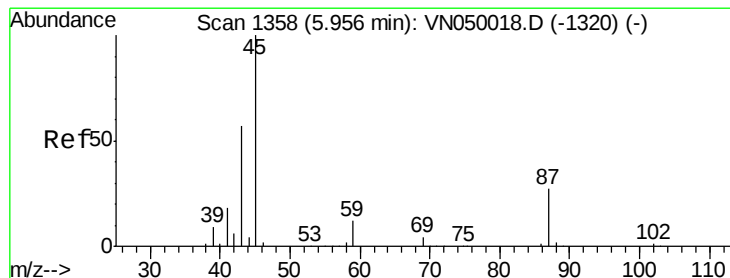
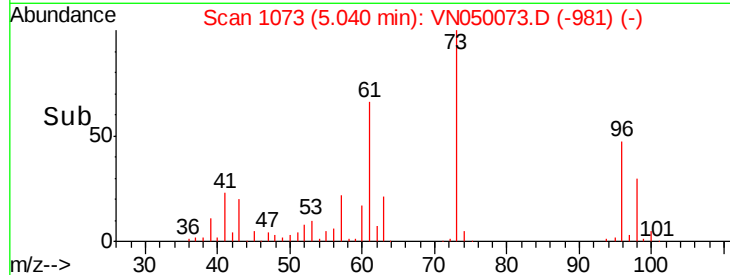
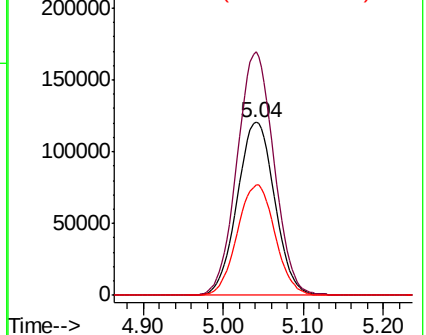
96 100

61 140.7 110.7 166.1

98 64.0 51.6 77.4



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: 48.34 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion: 45 Resp: 1214515

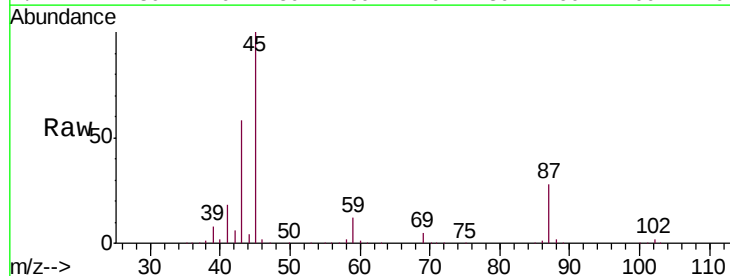
Ion Ratio Lower Upper

45 100

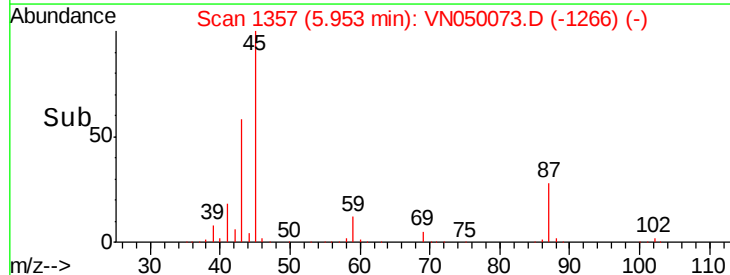
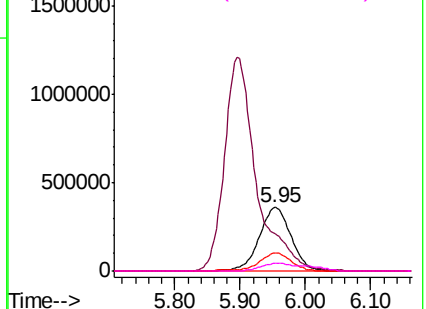
43 58.2 45.7 68.5

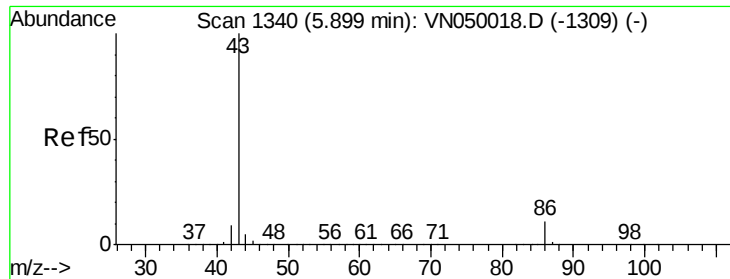
87 27.9 22.7 34.1

59 11.9 9.5 14.3



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: 230.06 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

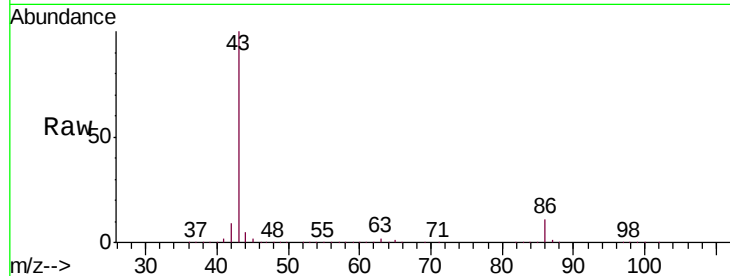
VSTDCCC050

Tot Ion: 43 Resp: 4084484

Ion Ratio Lower Upper

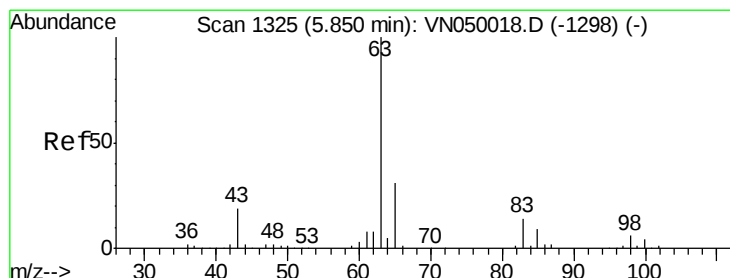
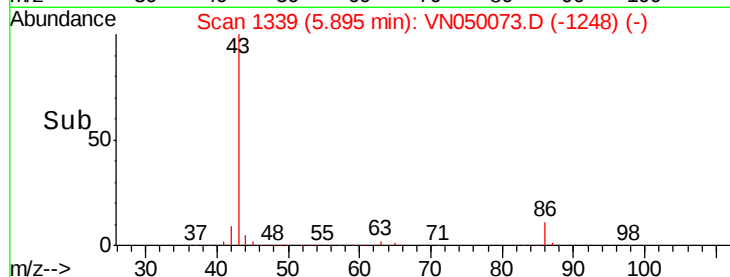
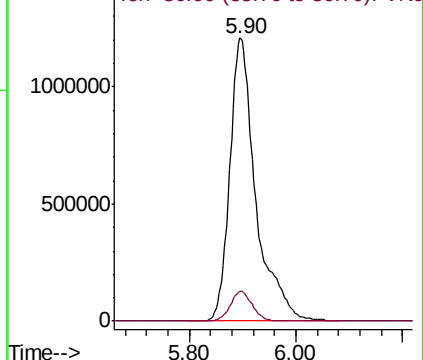
43 100

86 10.5 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-1309) (-)

Ion 86.00 (85.70 to 86.70): VN050018.D (-1309) (-)



#24

1,1-Dichloroethane

Concen: 43.83 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

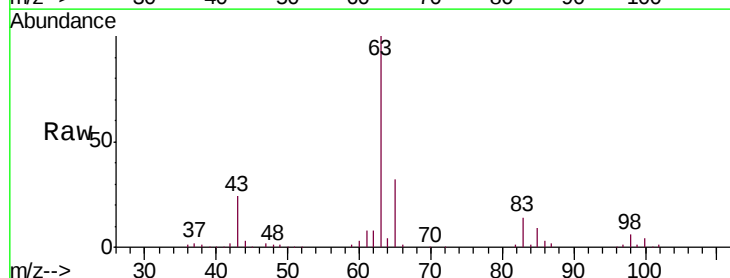
Tgt Ion: 63 Resp: 720118

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

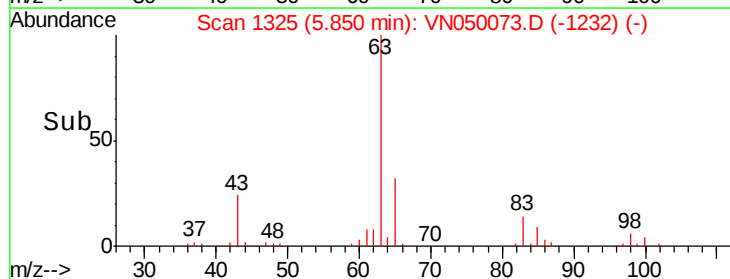
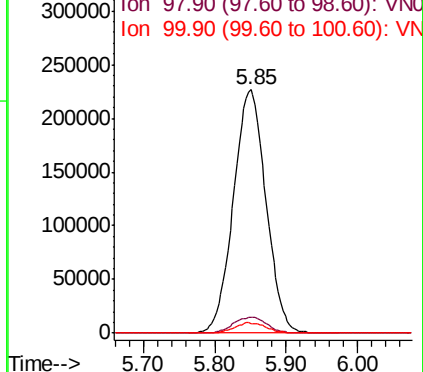
100 4.1 2.1 6.3

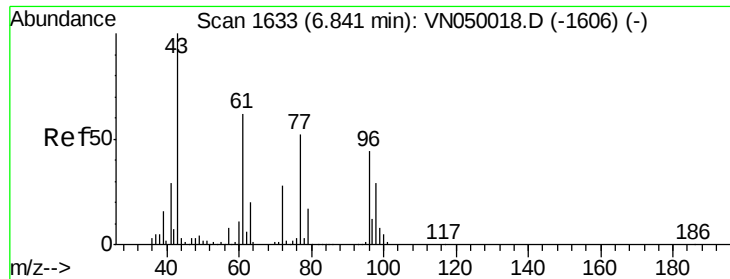


Abundance Ion 62.90 (62.60 to 63.60): VN050018.D (-1298) (-)

Ion 97.90 (97.60 to 98.60): VN050018.D (-1298) (-)

Ion 99.90 (99.60 to 100.60): VN050018.D (-1298) (-)





#25

2-Butanone

Concen: 222.57 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

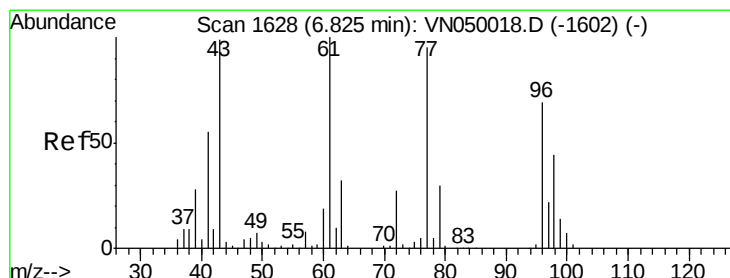
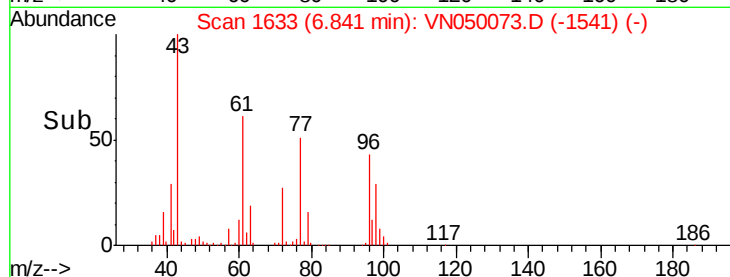
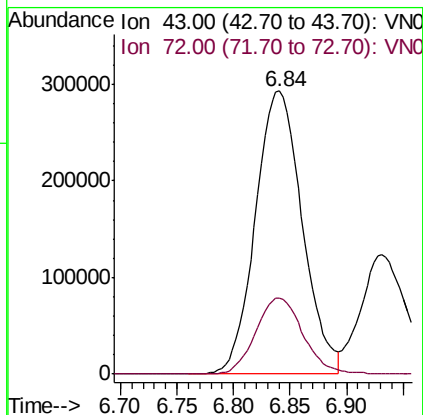
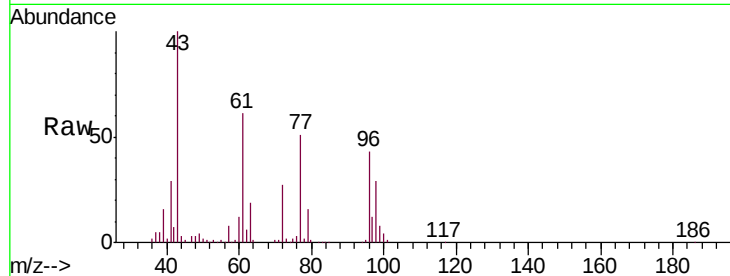
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 839776

Ion Ratio Lower Upper

43 100

72 27.0 21.5 32.3



#26

2,2-Dichloropropane

Concen: 49.48 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050073.D

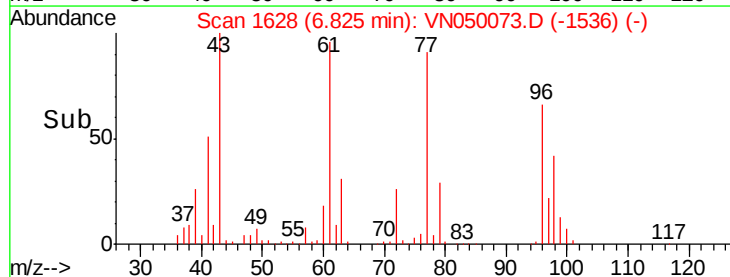
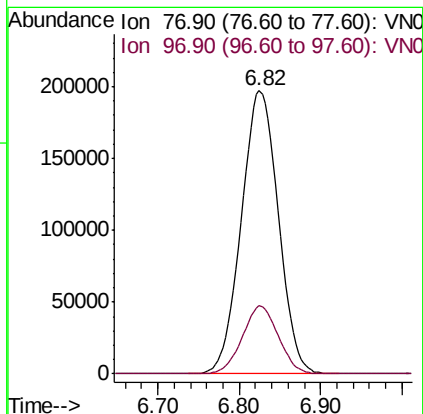
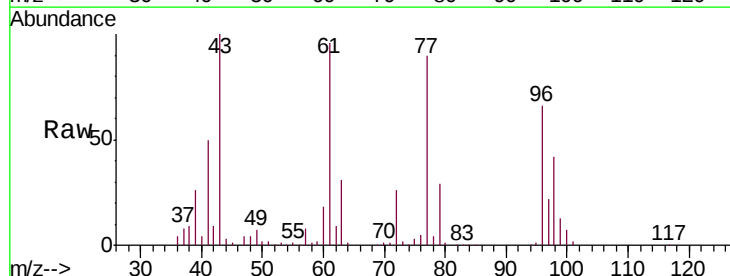
Acq: 26 Jul 2018 10:53

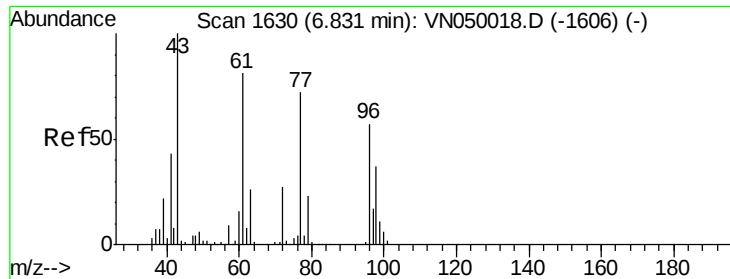
Tgt Ion: 77 Resp: 618374

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3

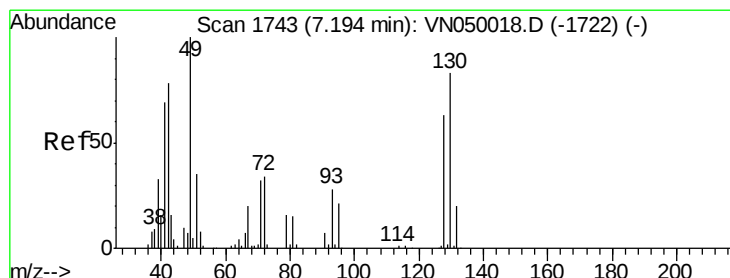
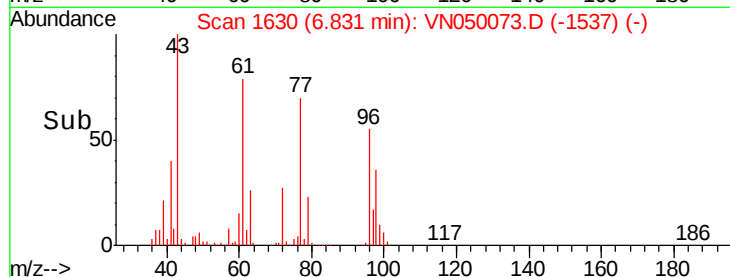
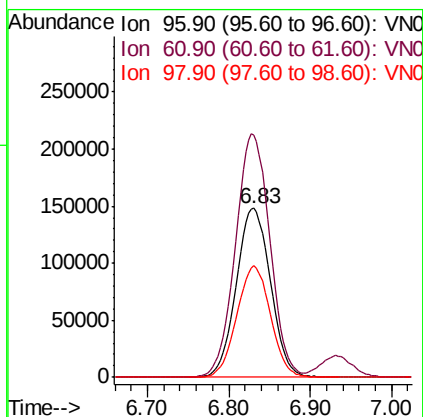
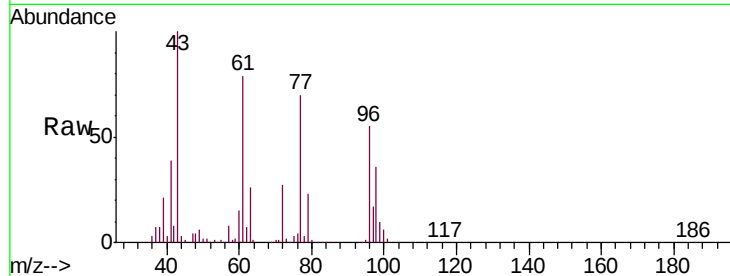




#27
 cis-1,2-Dichloroethene
 Concen: 46.38 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

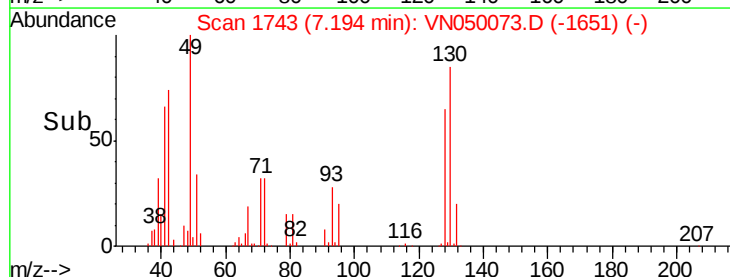
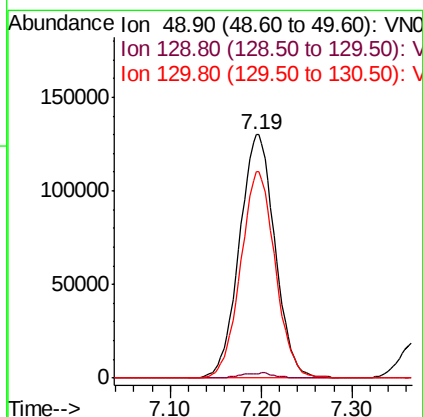
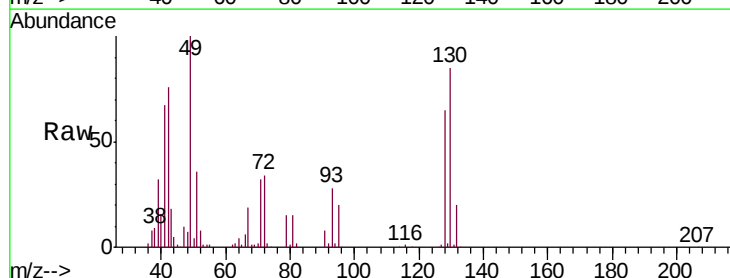
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

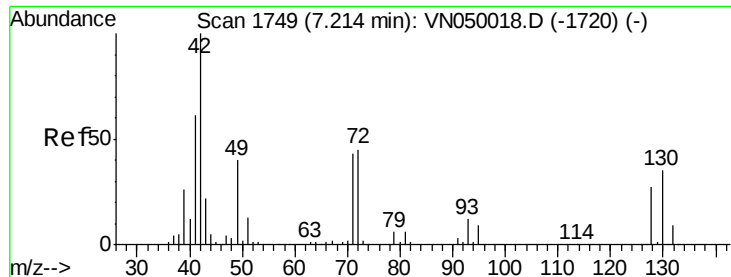
Tot Ion: 96 Resp: 432280
 Ion Ratio Lower Upper
 96 100
 61 144.2 0.0 285.0
 98 64.8 0.0 129.2



#28
 Bromochloromethane
 Concen: 47.04 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 49 Resp: 352485
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.0
 130 82.4 66.3 99.5





#29

Tetrahydrofuran

Concen: 209.38 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.01 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

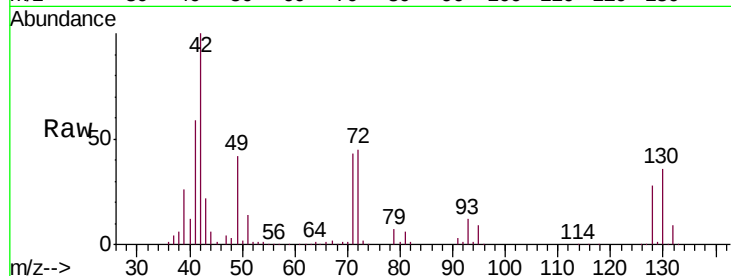
Tot Ion: 42 Resp: 510488

Ion Ratio Lower Upper

42 100

72 45.0 35.9 53.9

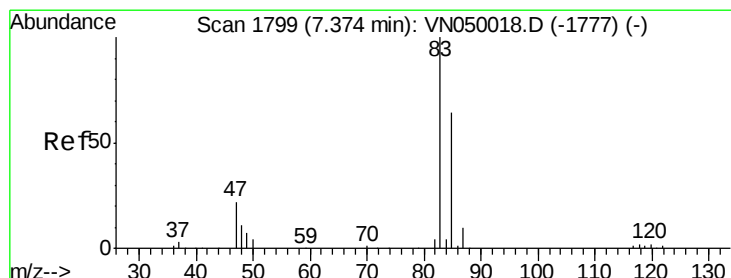
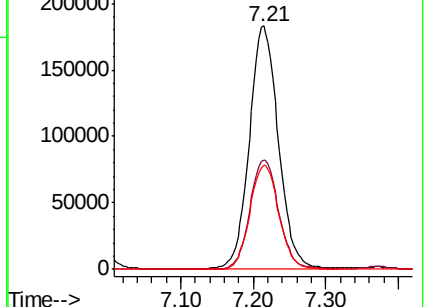
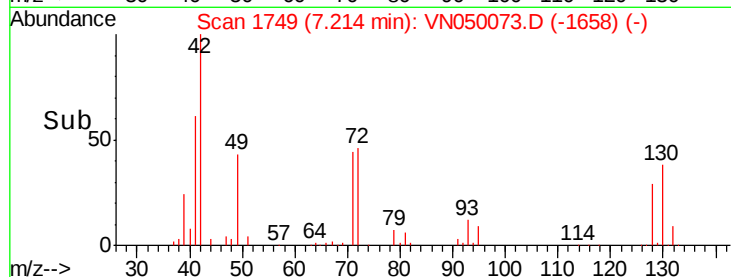
71 42.6 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN050018.D (-1720) (-)

Ion 72.00 (71.70 to 72.70): VN050018.D (-1720) (-)

Ion 71.00 (70.70 to 71.70): VN050018.D (-1720) (-)



#30

Chloroform

Concen: 43.72 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050073.D

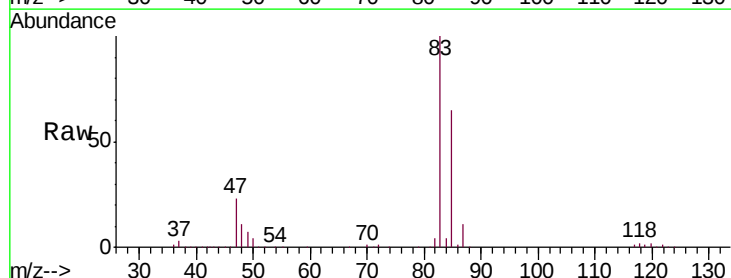
Acq: 26 Jul 2018 10:53

Tgt Ion: 83 Resp: 732963

Ion Ratio Lower Upper

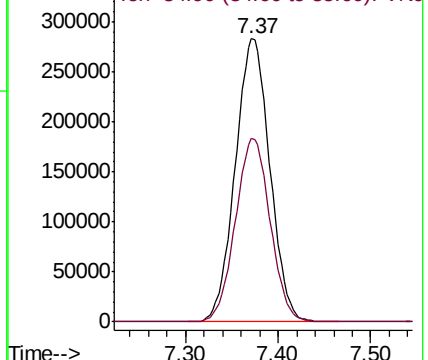
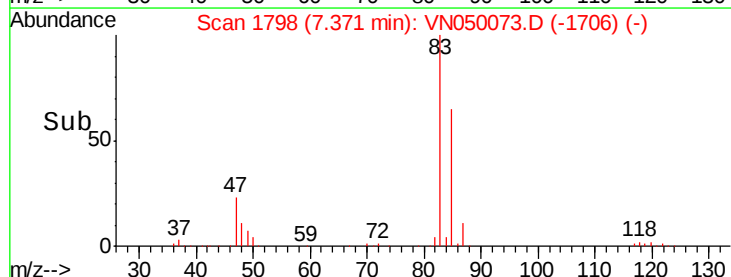
83 100

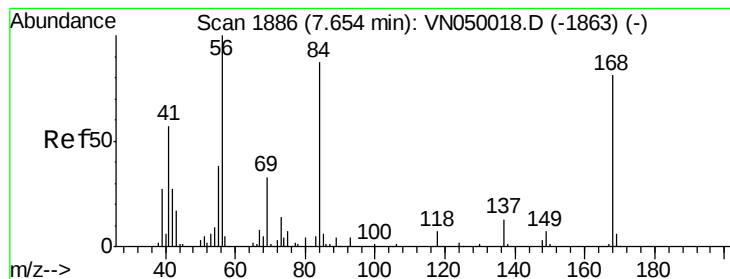
85 64.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN050018.D (-1777) (-)

Ion 84.90 (84.60 to 85.60): VN050018.D (-1777) (-)





#31

Cyclohexane

Concen: 46.97 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

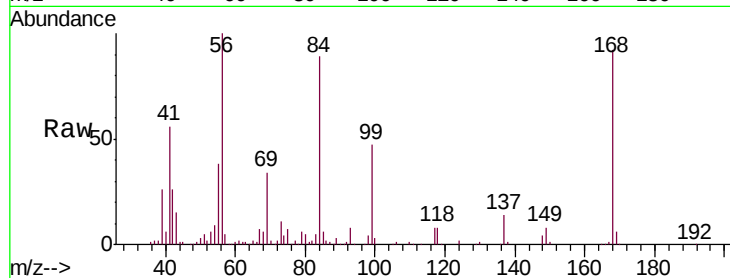
Tot Ion: 56 Resp: 639934

Ion Ratio Lower Upper

56 100

69 33.6 26.2 39.4

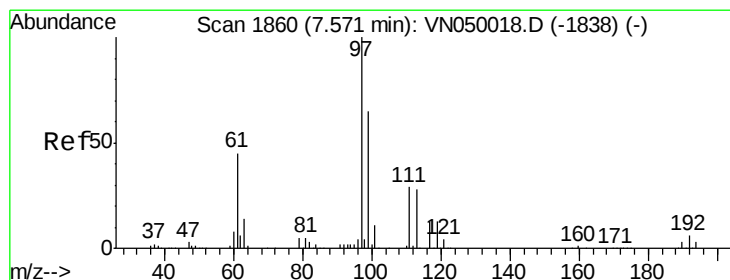
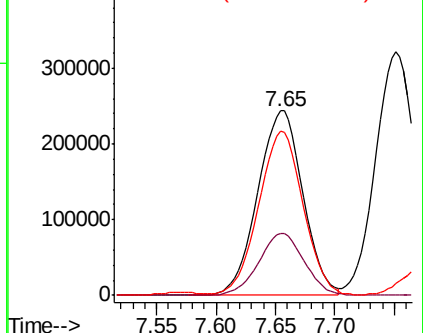
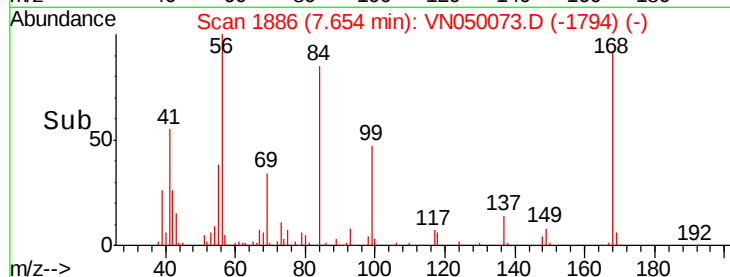
84 87.5 67.4 101.0



Abundance Ion 56.00 (55.70 to 56.70): VN050018.D (-1863) (-)

Ion 69.00 (68.70 to 69.70): VN050018.D (-1863) (-)

Ion 84.00 (83.70 to 84.70): VN050018.D (-1863) (-)



#32

1,1,1-Trichloroethane

Concen: 44.53 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

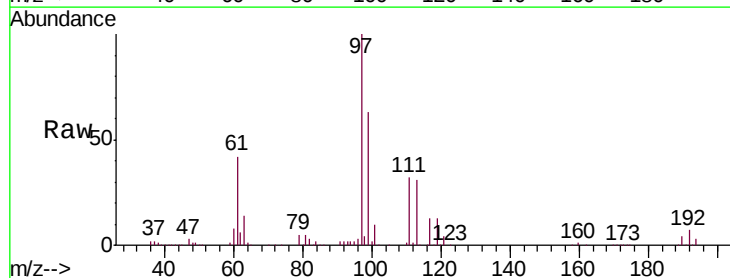
Tgt Ion: 97 Resp: 638592

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

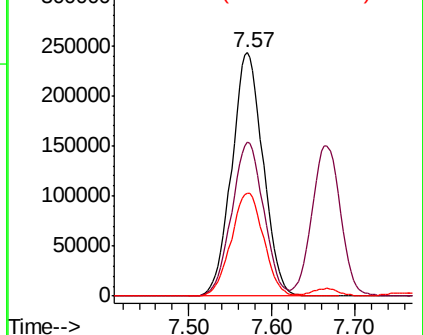
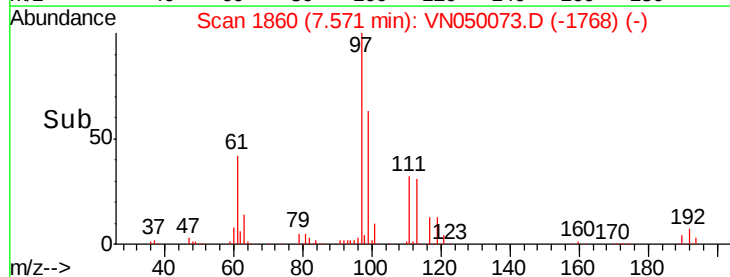
61 44.0 35.4 53.0

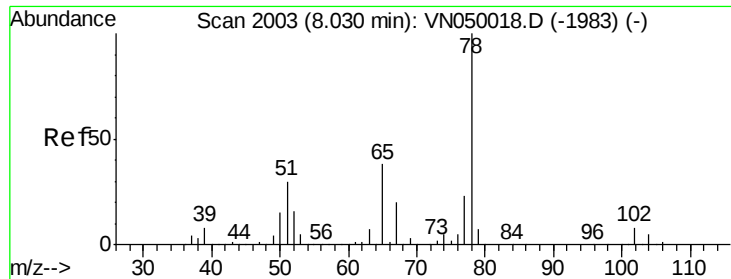


Abundance Ion 96.90 (96.60 to 97.60): VN050018.D (-1838) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1838) (-)

Ion 60.90 (60.60 to 61.60): VN050018.D (-1838) (-)





#33

1,2-Dichloroethane-d4

Concen: 46.17 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

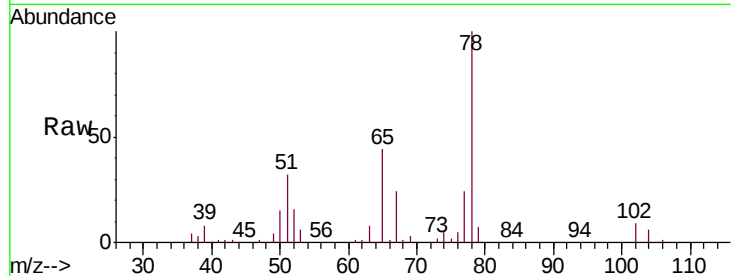
VSTDCCC050

Tot Ion: 65 Resp: 456715

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN050018.D (-1983) (-)

Ion 66.90 (66.60 to 67.60): VN050018.D (-1983) (-)

8.03

200000

150000

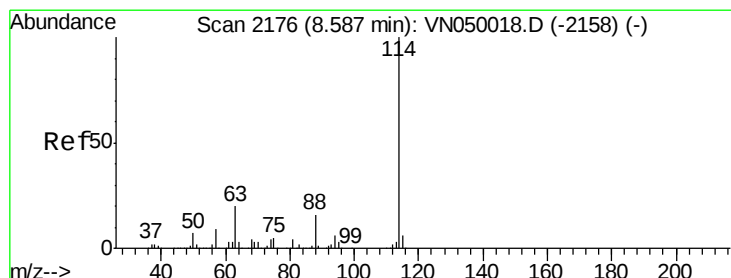
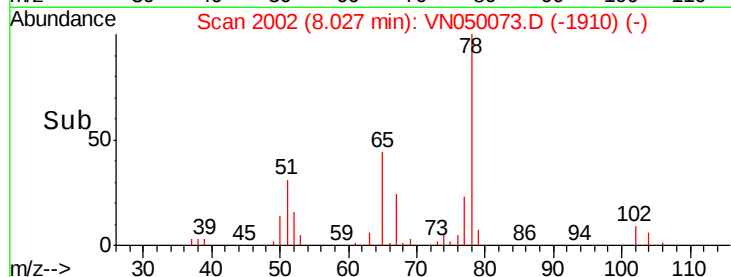
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

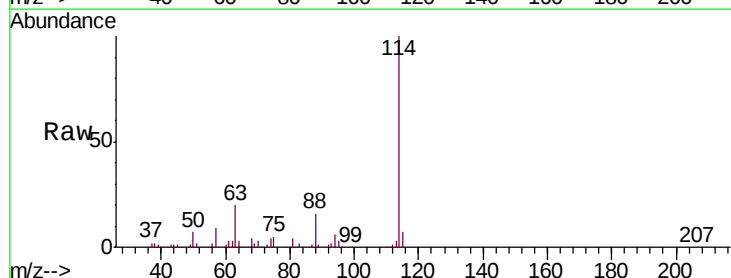
Tgt Ion: 114 Resp: 994187

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN050018.D (-2158) (-)

Ion 63.00 (62.70 to 63.70): VN050018.D (-2158) (-)

Ion 87.90 (87.60 to 88.60): VN050018.D (-2158) (-)

8.59

600000

500000

400000

300000

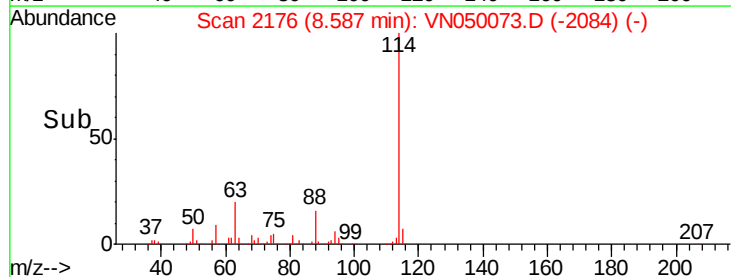
200000

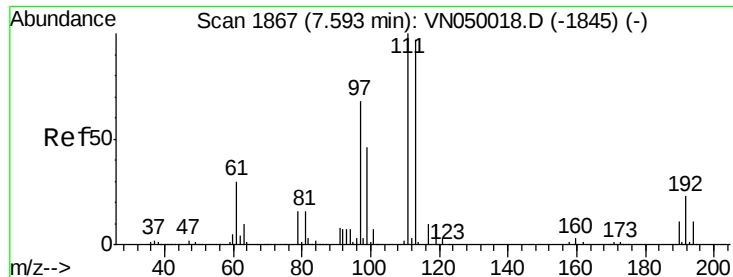
100000

0

8.50 8.60 8.70

Time-->

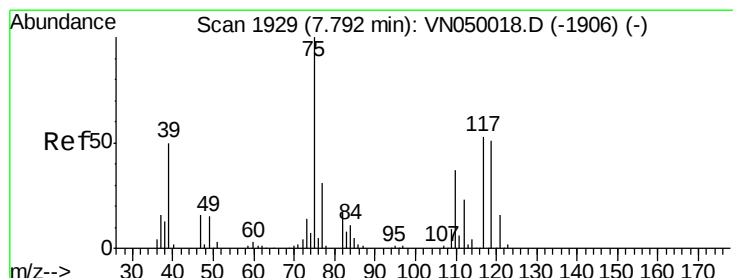
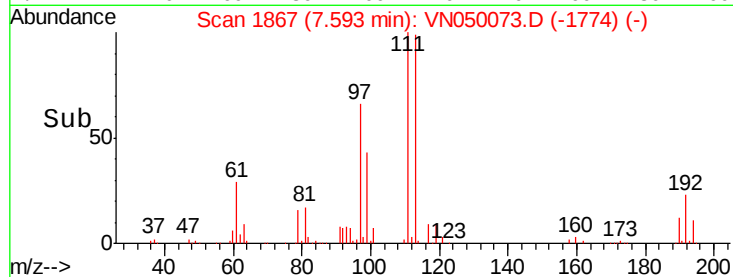
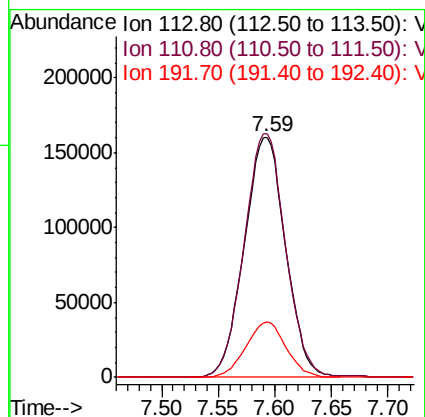
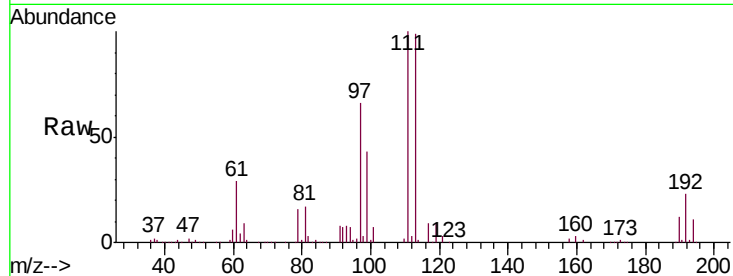




#35
 Dibromofluoromethane
 Concen: 50.14 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

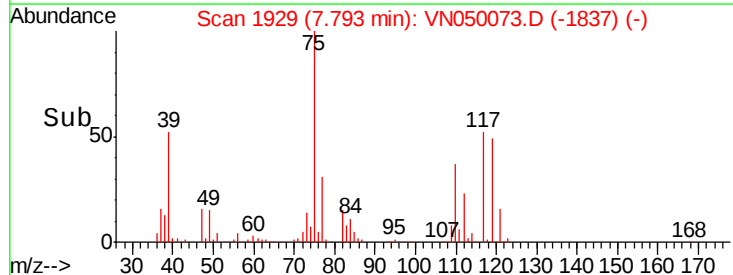
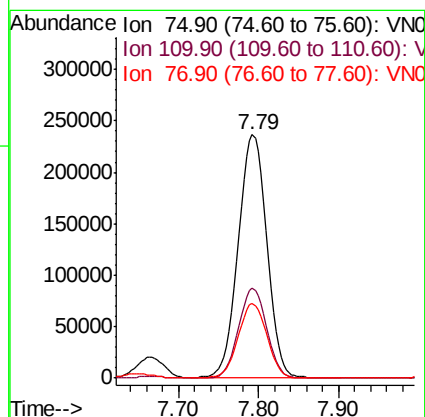
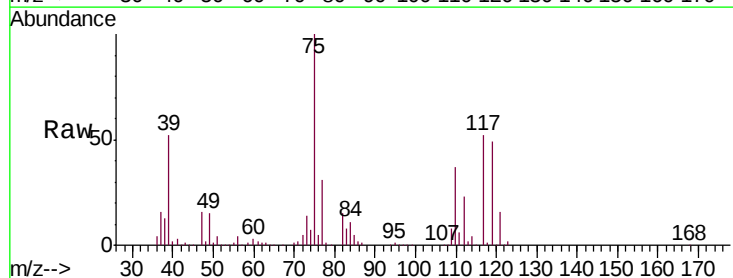
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

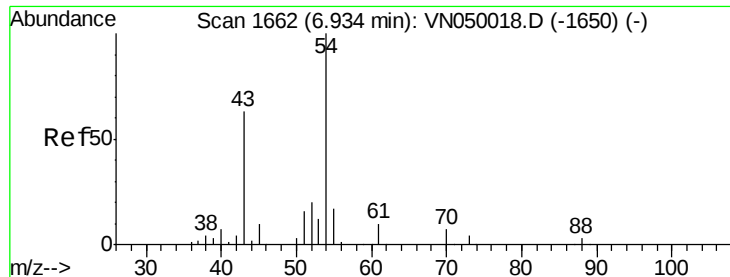
Tot Ion:113 Resp: 407021
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.7 121.1
 192 22.5 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 50.89 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 75 Resp: 570037
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.4 55.2
 77 30.9 25.3 37.9

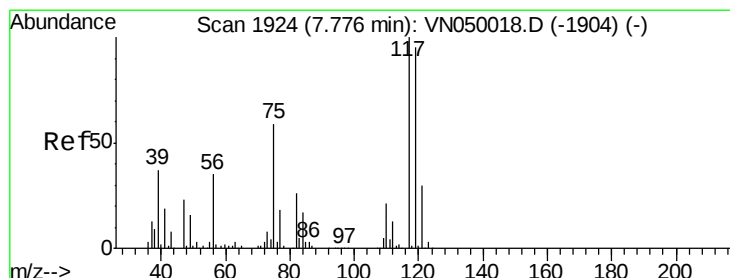
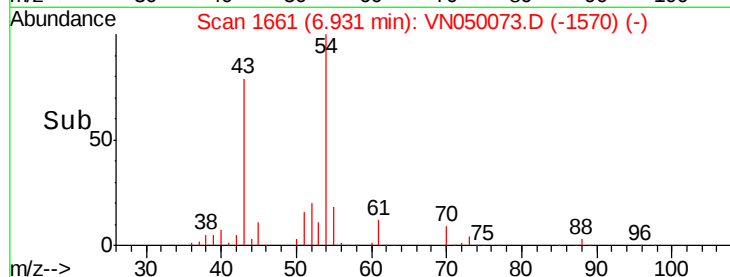
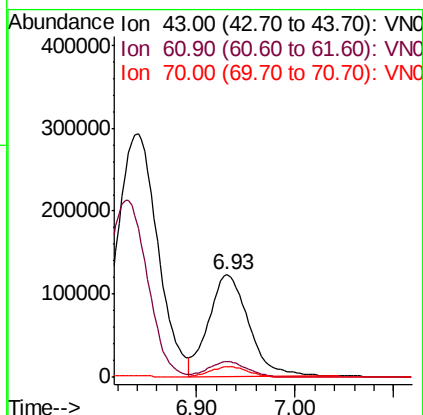
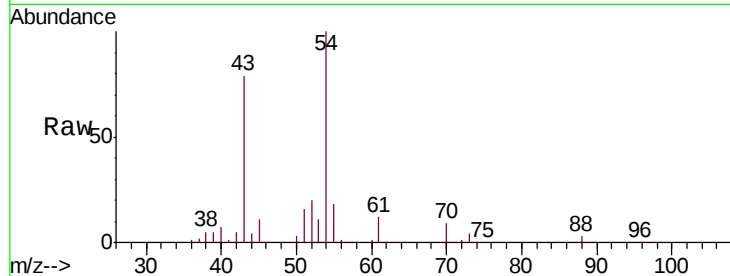




#37
Ethyl Acetate
Concen: 44.70 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

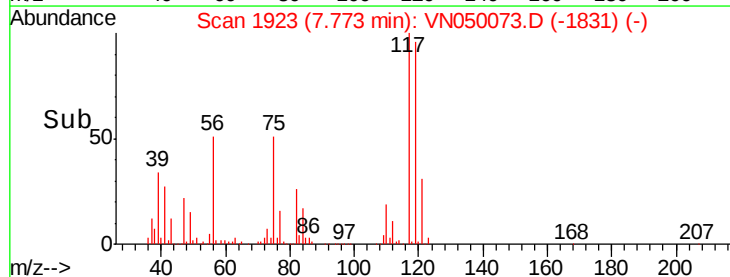
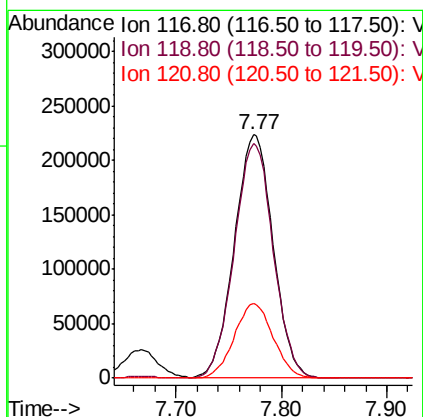
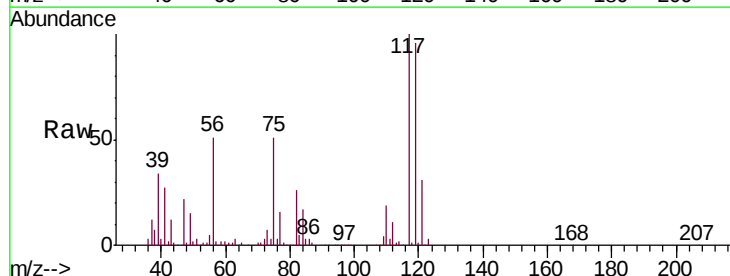
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

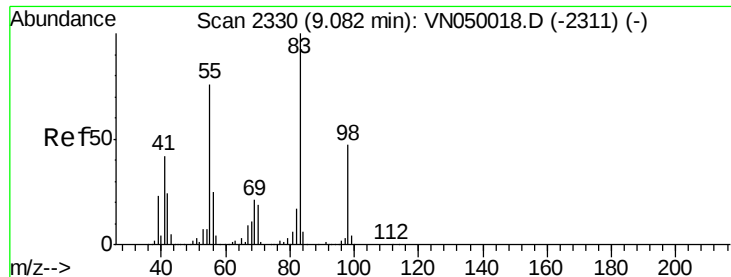
Tot Ion: 43 Resp: 349079
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 47.99 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 117 Resp: 570420
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0
121 30.9 23.9 35.9

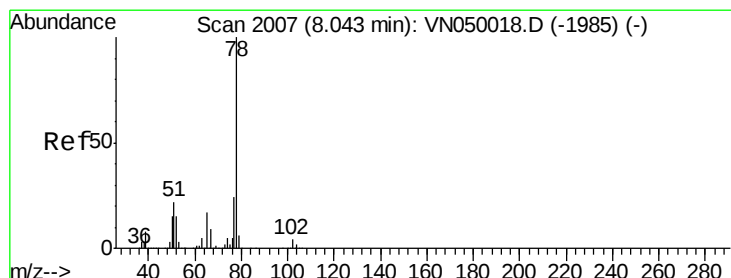
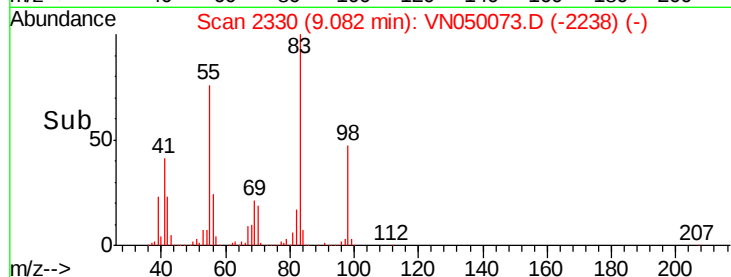
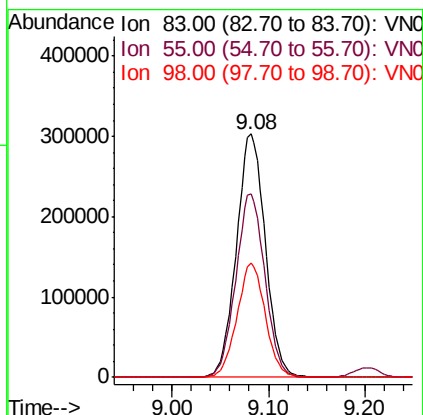
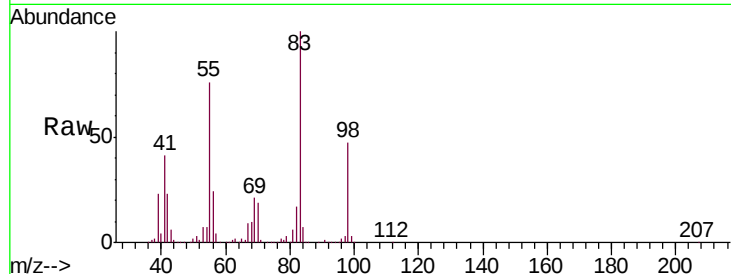




#39
Methvlcvclohexane
Concen: 54.50 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

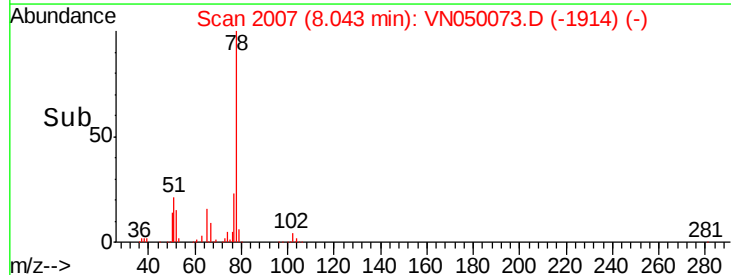
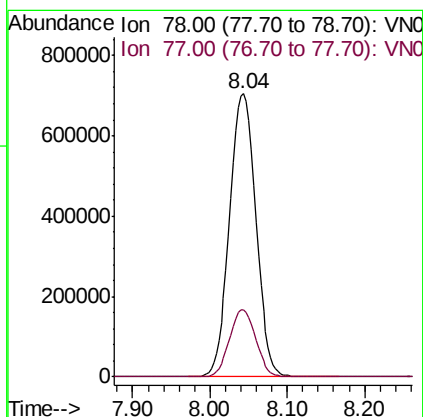
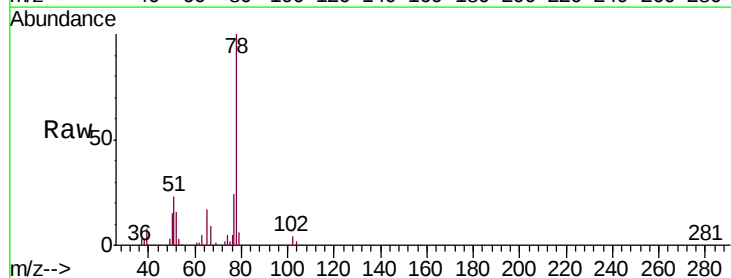
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

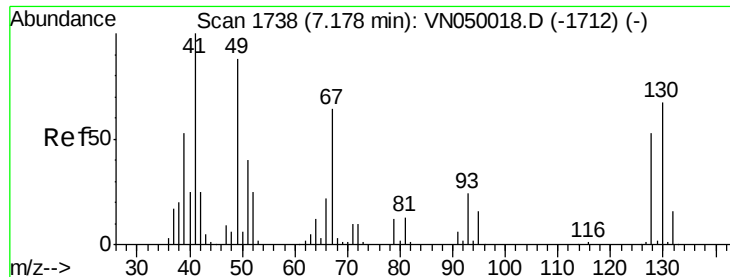
Tot Ion: 83 Resp: 627968
Ion Ratio Lower Upper
83 100
55 75.6 61.8 92.8
98 47.0 36.5 54.7



#40
Benzene
Concen: 48.85 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 78 Resp: 1664996
Ion Ratio Lower Upper
78 100
77 23.6 18.7 28.1

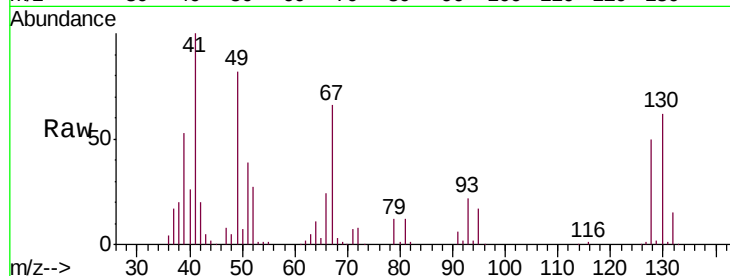




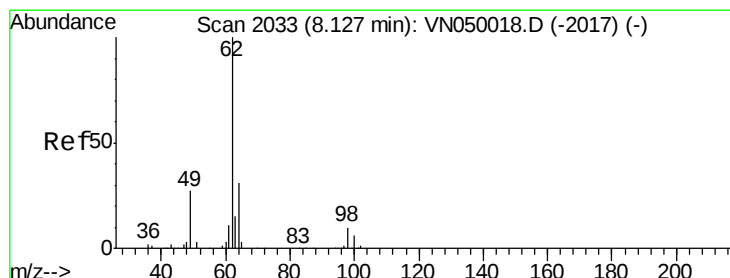
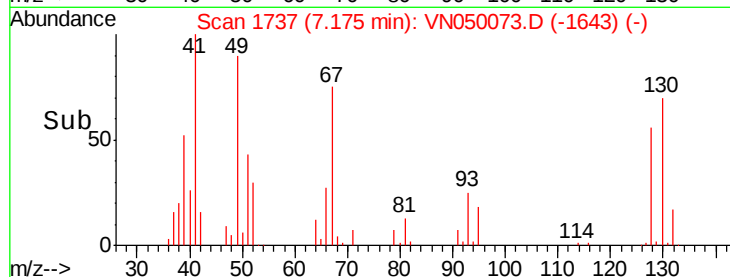
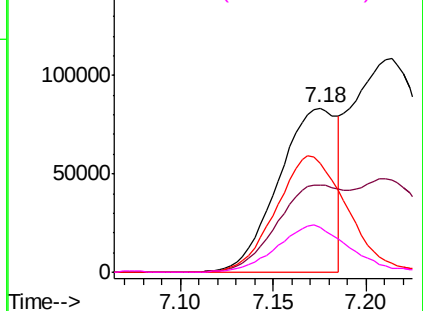
#41
Methacrylonitrile
Concen: 45.02 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 181949
Ion Ratio Lower Upper
41 100
39 58.4 55.8 83.6
67 87.5 84.3 126.5
52 34.9 34.2 51.2

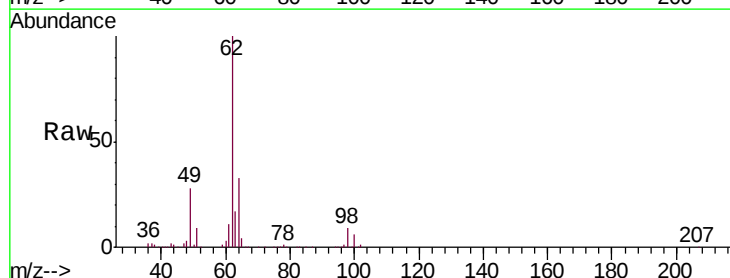


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

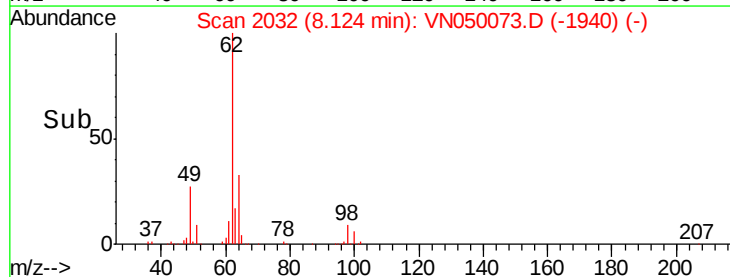
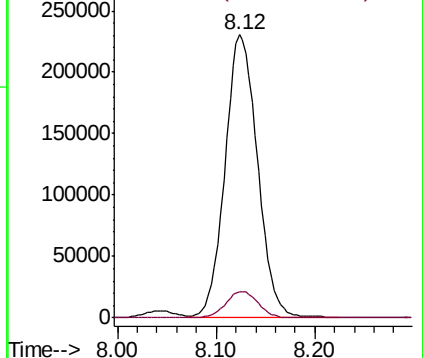


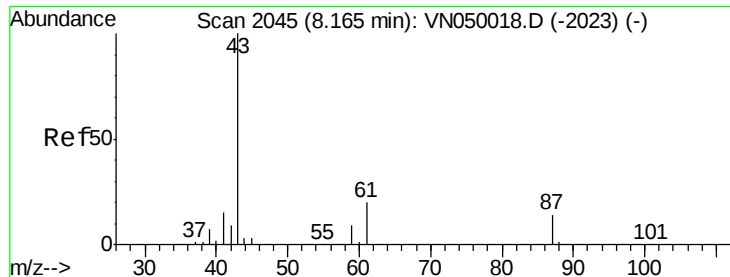
#42
1,2-Dichloroethane
Concen: 46.46 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 62 Resp: 528330
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.8



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





#43

Isopropyl Acetate

Concen: 45.11 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

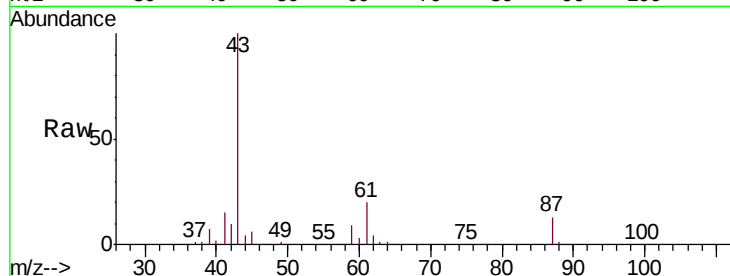
Tot Ion: 43 Resp: 665479

Ion Ratio Lower Upper

43 100

61 19.2 15.8 23.6

87 13.0 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050018.D (-2023) (-)

Ion 61.00 (60.70 to 61.70): VN050018.D (-2023) (-)

Ion 87.00 (86.70 to 87.70): VN050018.D (-2023) (-)

8.17

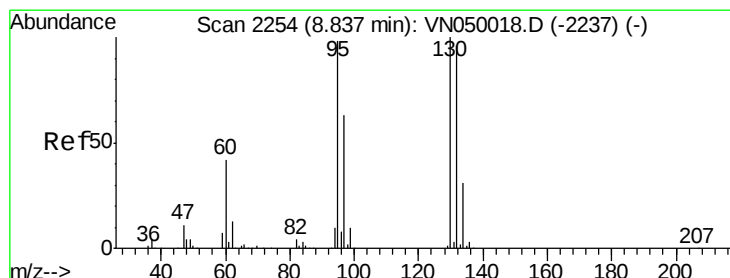
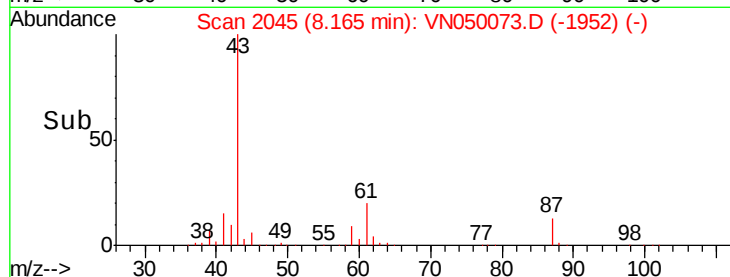
300000

200000

100000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 48.08 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050073.D

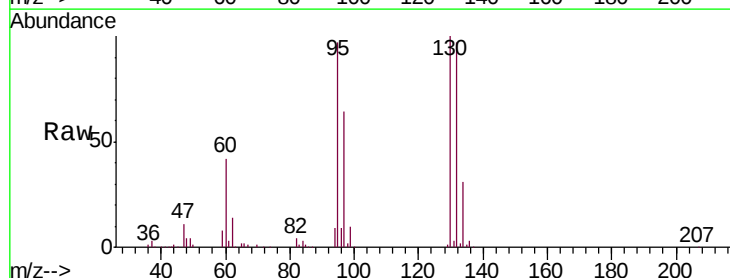
Acq: 26 Jul 2018 10:53

Tgt Ion:130 Resp: 440390

Ion Ratio Lower Upper

130 100

95 97.2 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050018.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050018.D (-2237) (-)

8.84

250000

200000

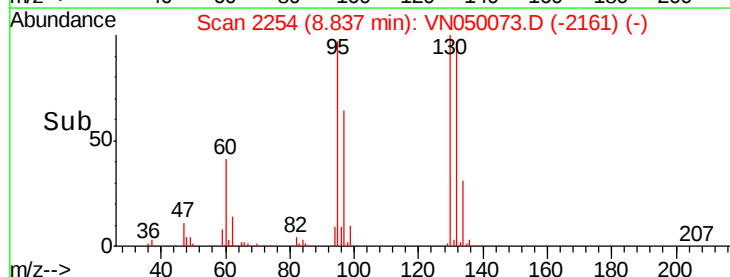
150000

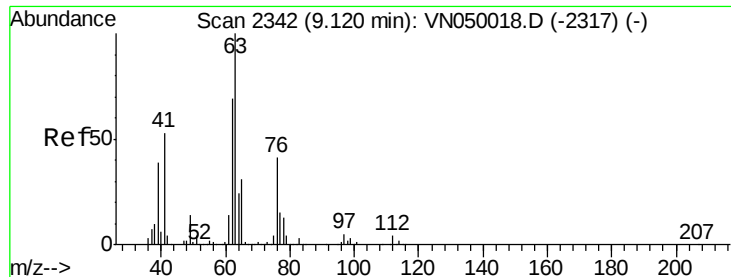
100000

50000

0

Time--> 8.75 8.80 8.85 8.90 8.95

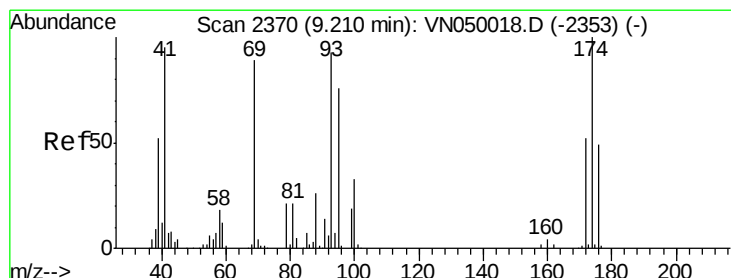
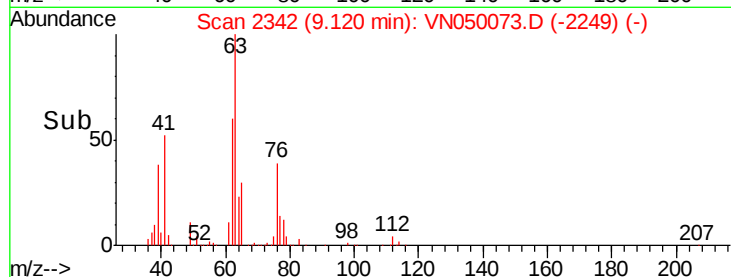
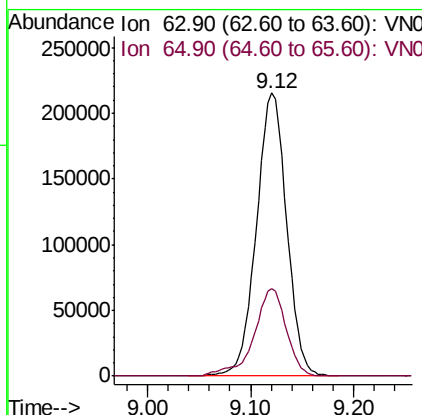
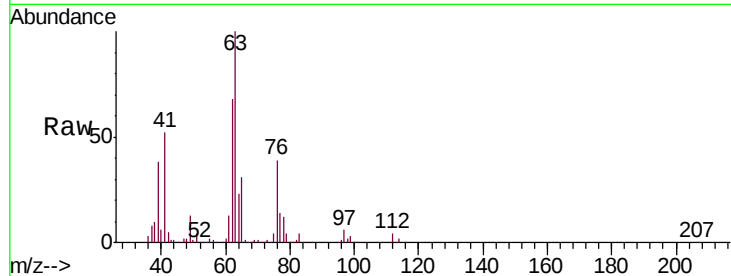




#45
 1,2-Dichloropropane
 Concen: 48.56 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

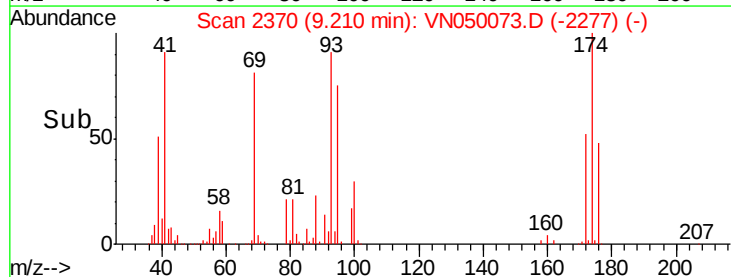
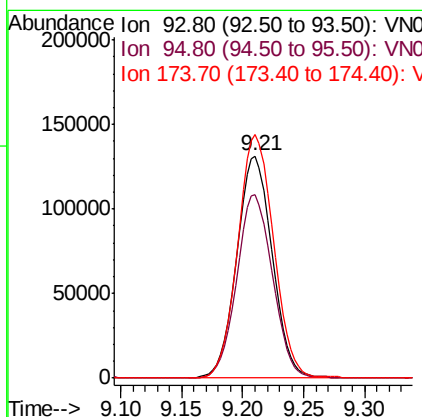
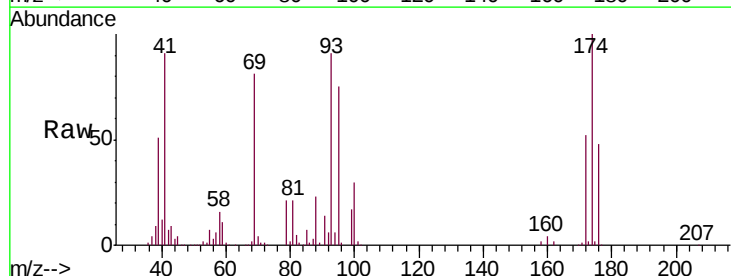
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

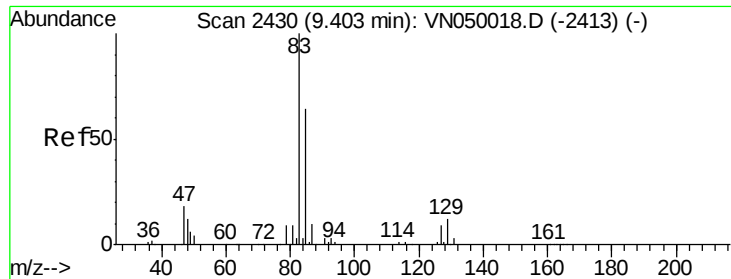
Tot Ion: 63 Resp: 438350
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.5 38.3



#46
 Dibromomethane
 Concen: 47.20 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 93 Resp: 264604
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 110.9 87.1 130.7

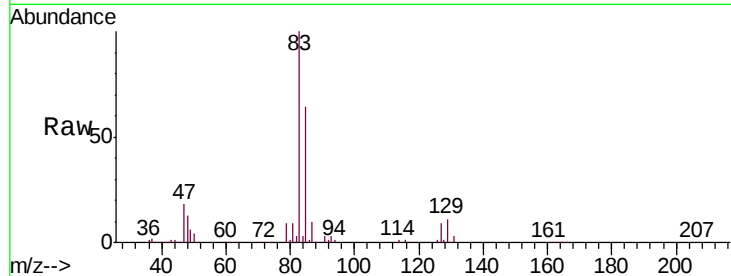




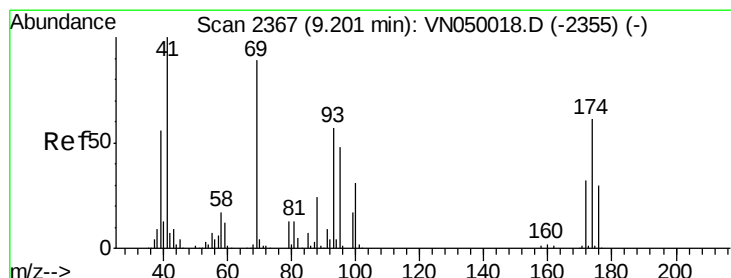
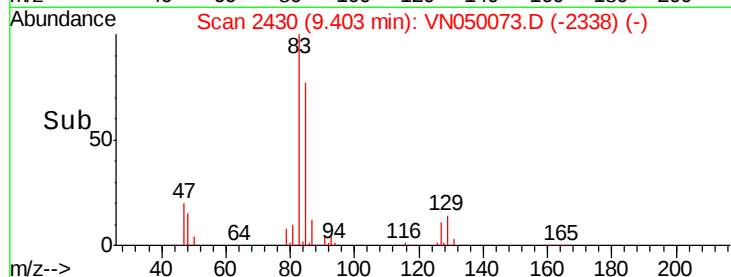
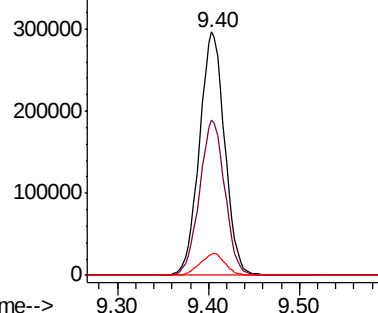
#47
Bromodichloromethane
Concen: 48.17 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 569933
Ion Ratio Lower Upper
83 100
85 63.7 51.1 76.7
127 8.7 7.0 10.4

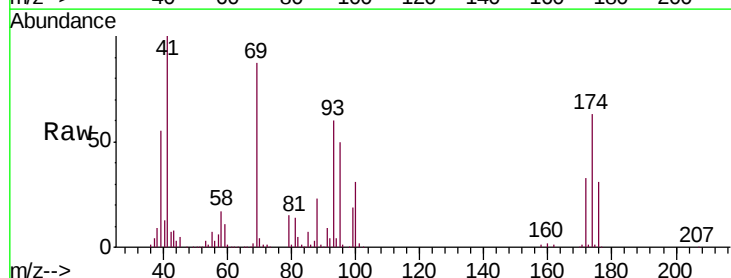


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

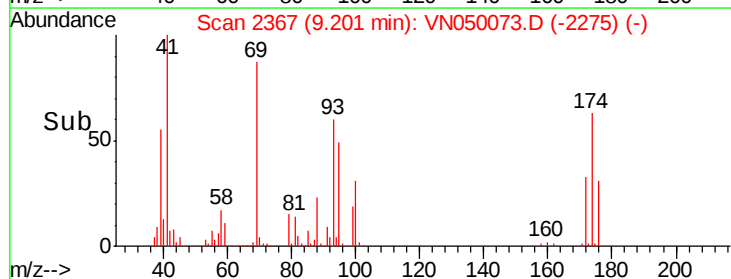
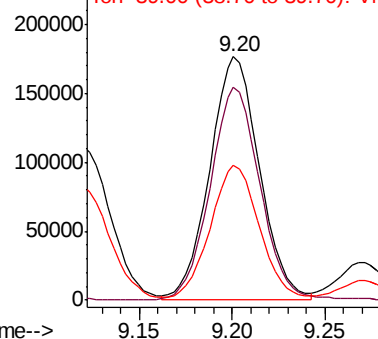


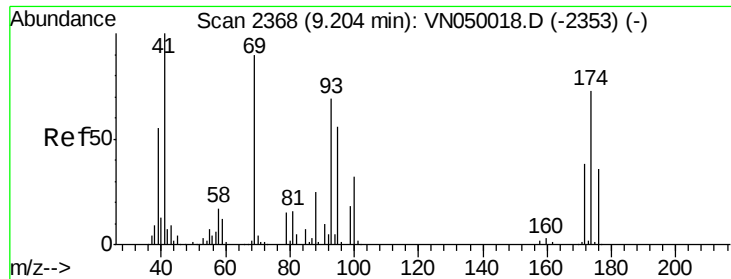
#48
Methyl methacrylate
Concen: 48.52 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 41 Resp: 326316
Ion Ratio Lower Upper
41 100
69 88.2 70.6 105.8
39 54.9 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 936.55 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

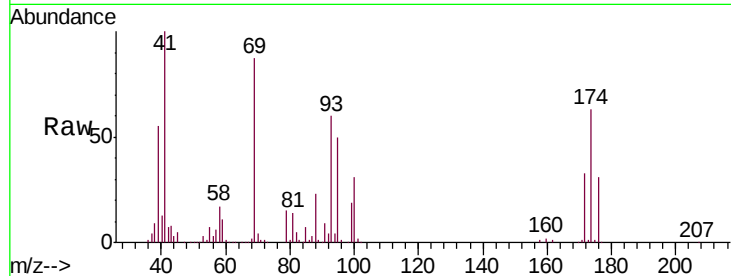
Tot Ion: 88 Resp: 85721

Ion Ratio Lower Upper

88 100

43 31.9 26.9 40.3

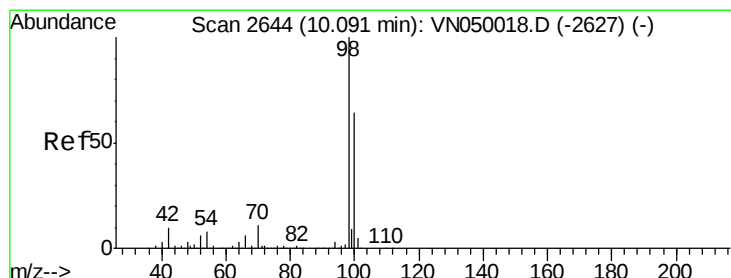
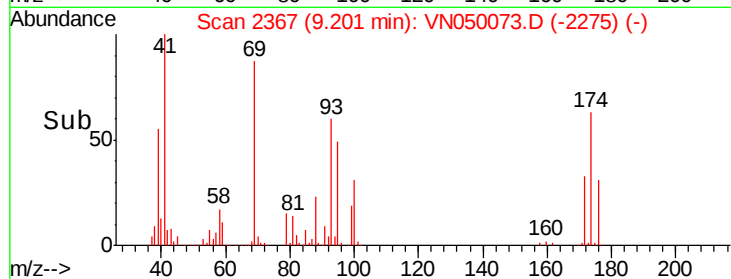
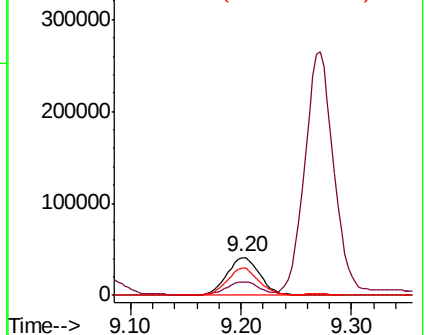
58 68.9 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.11 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050073.D

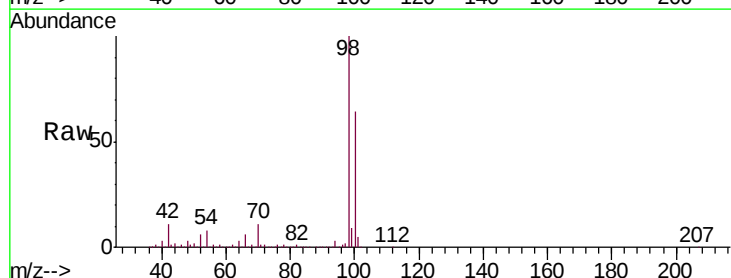
Acq: 26 Jul 2018 10:53

Tgt Ion: 98 Resp: 1555166

Ion Ratio Lower Upper

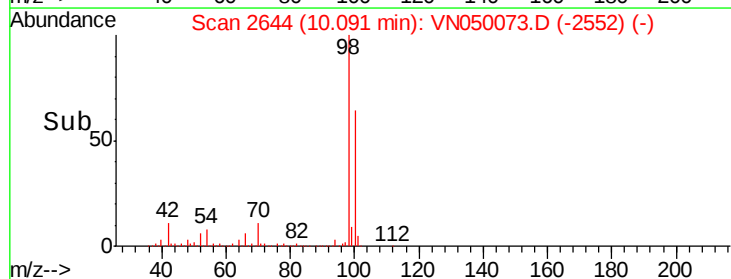
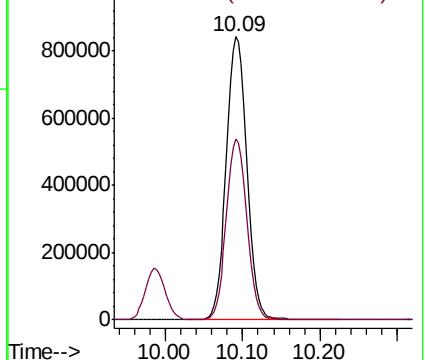
98 100

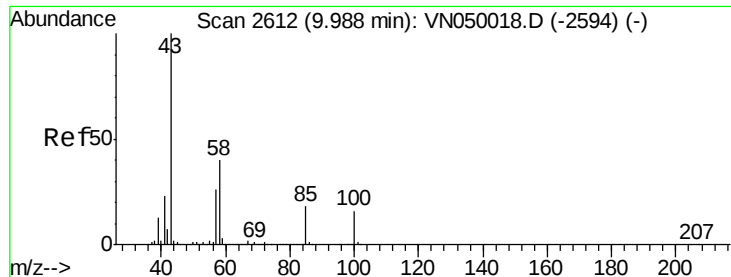
100 64.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

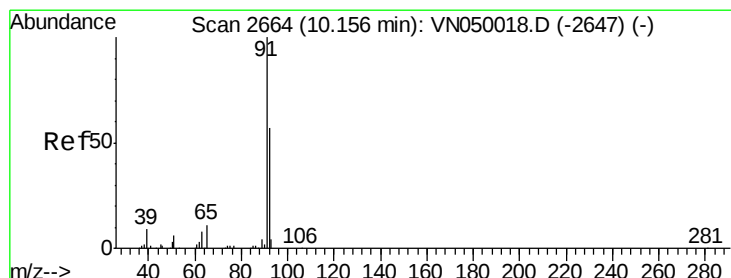
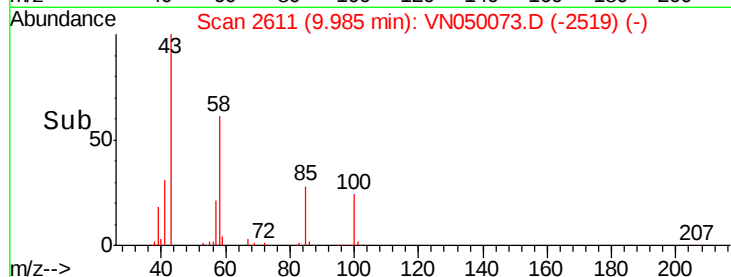
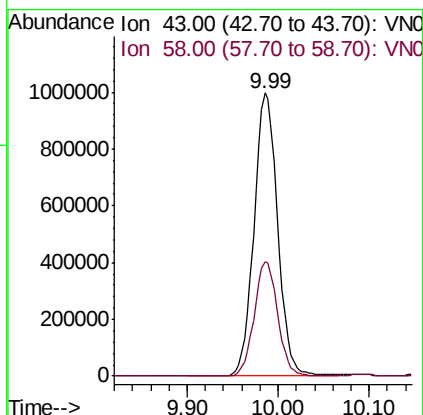
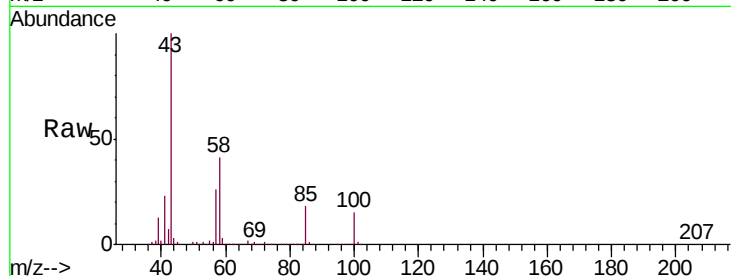




#51
 4-Methyl-2-Pentanone
 Concen: 233.44 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

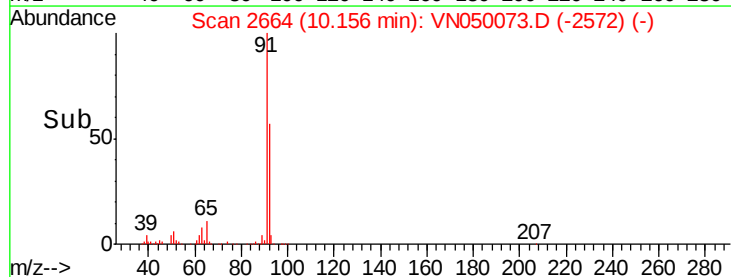
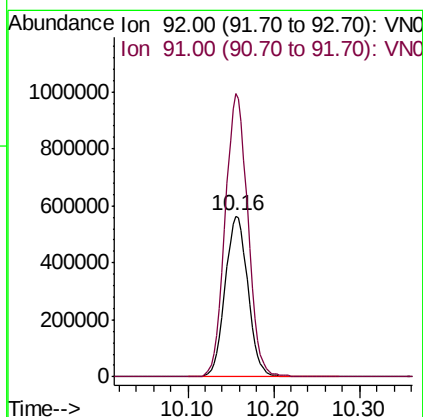
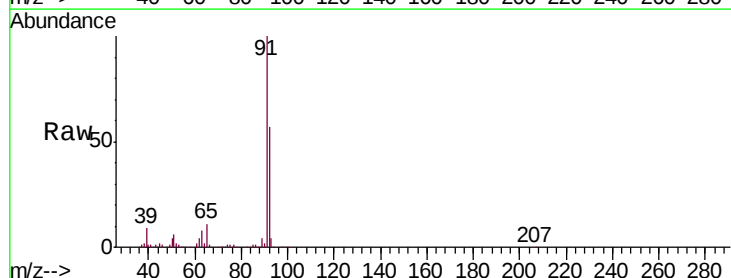
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

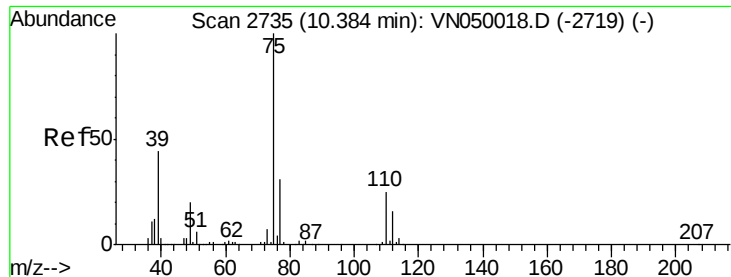
Tot Ion: 43 Resp: 1792085
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.9 47.9



#52
 Toluene
 Concen: 51.59 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 92 Resp: 1037919
 Ion Ratio Lower Upper
 92 100
 91 175.7 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 52.38 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

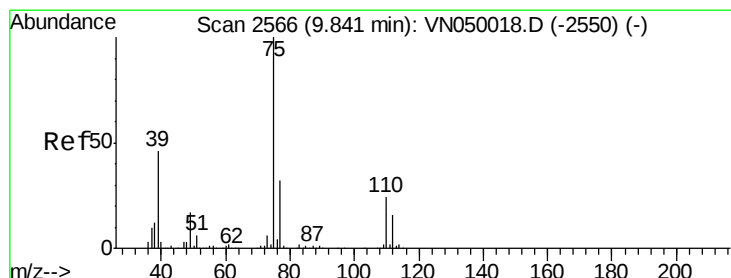
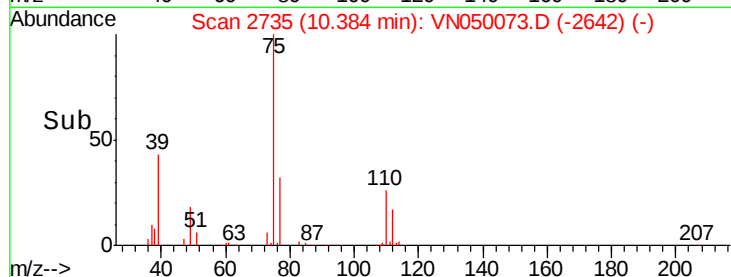
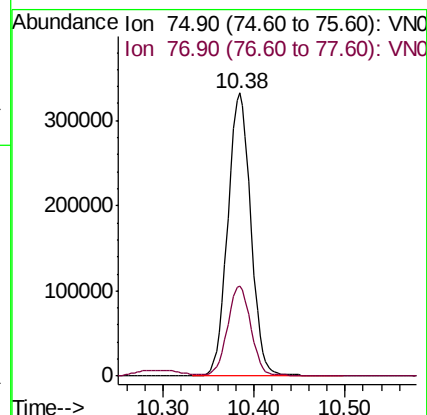
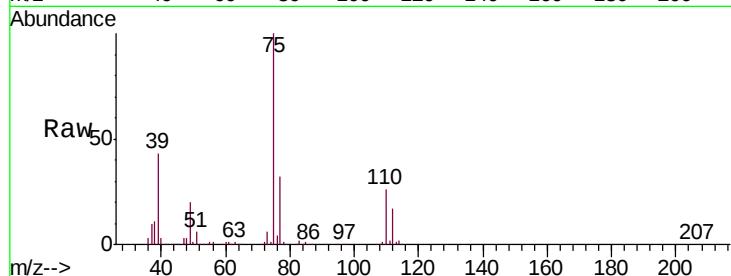
VSTDCCC050

Tot Ion: 75 Resp: 584753

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 51.97 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

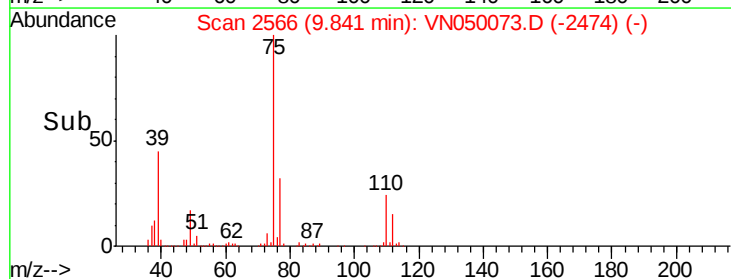
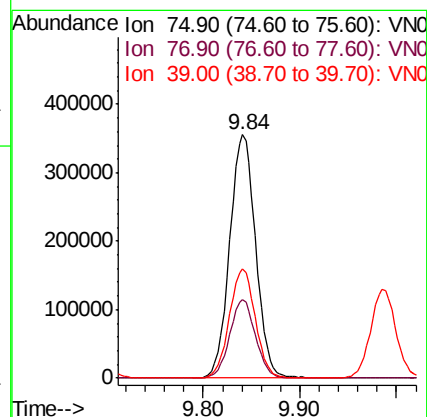
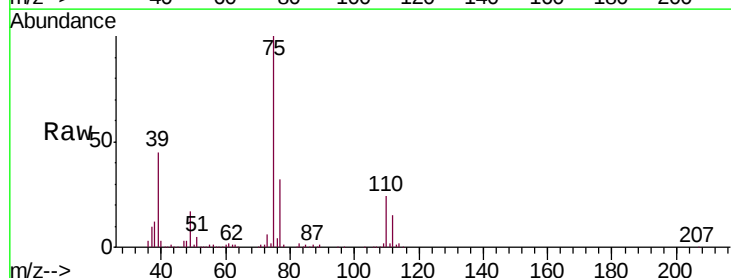
Tgt Ion: 75 Resp: 663076

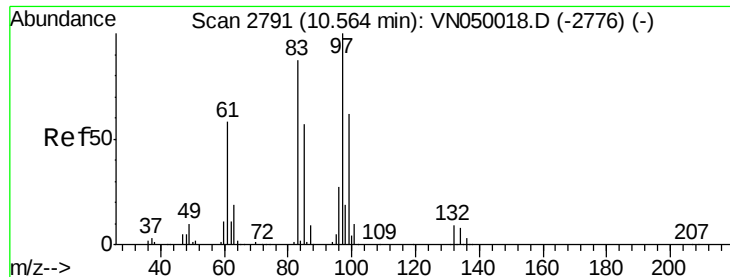
Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3

39 45.0 36.6 55.0





#55

1,1,2-Trichloroethane

Concen: 47.35 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 377852

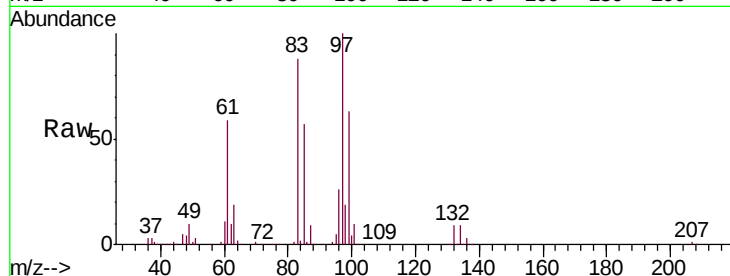
Ion Ratio Lower Upper

97 100

83 88.3 69.2 103.8

85 56.8 44.0 66.0

99 62.8 49.9 74.9

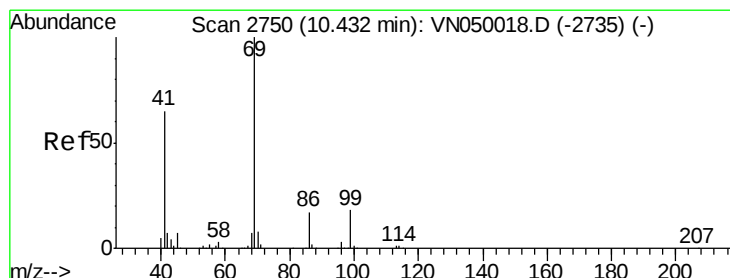
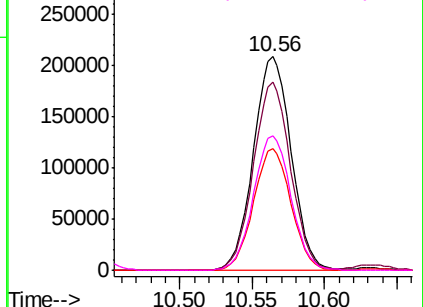
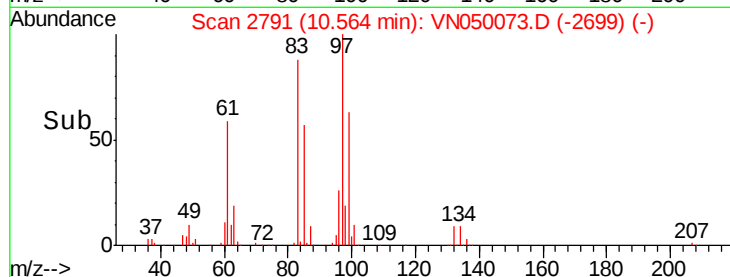


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 44.93 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

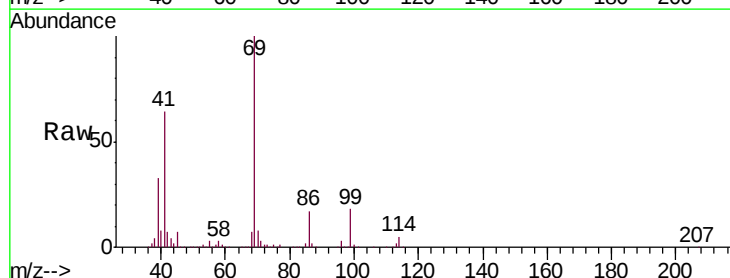
Tgt Ion: 69 Resp: 483422

Ion Ratio Lower Upper

69 100

41 64.1 51.0 76.4

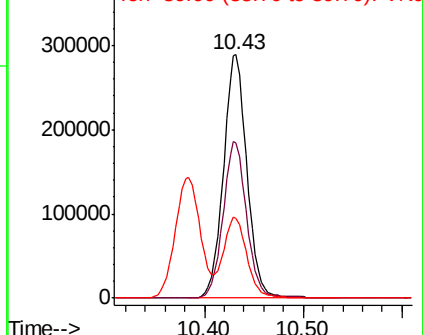
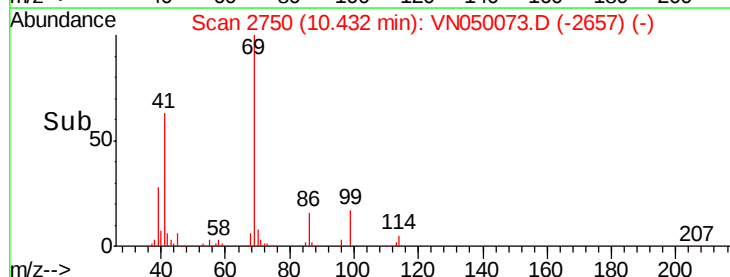
39 32.5 26.6 40.0

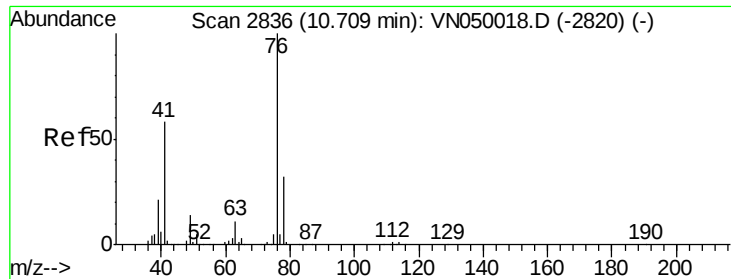


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

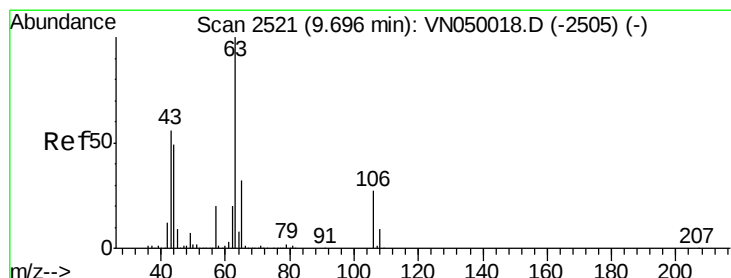
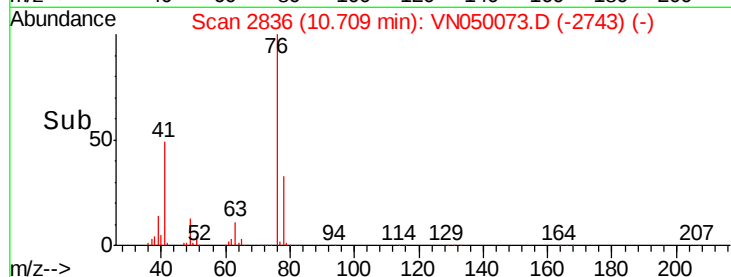
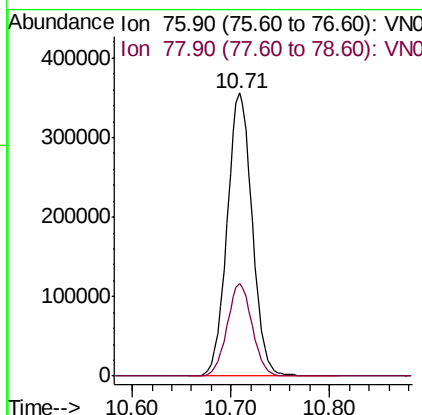
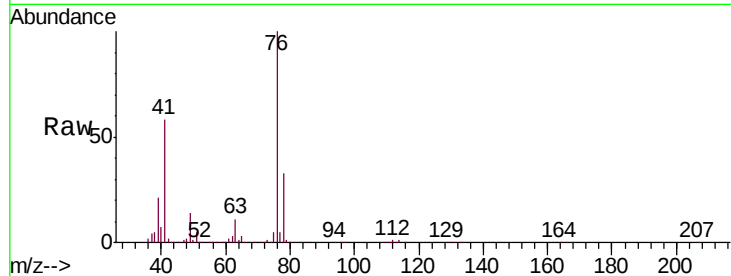




#57
 1,3-Dichloropropane
 Concen: 48.70 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

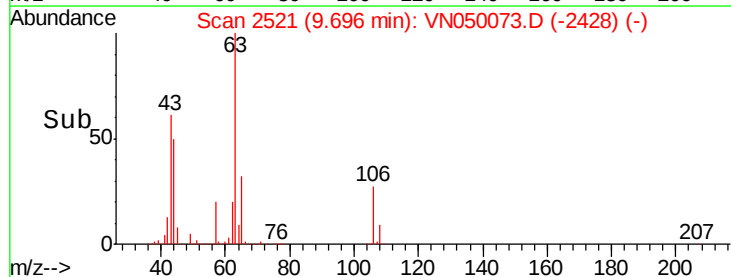
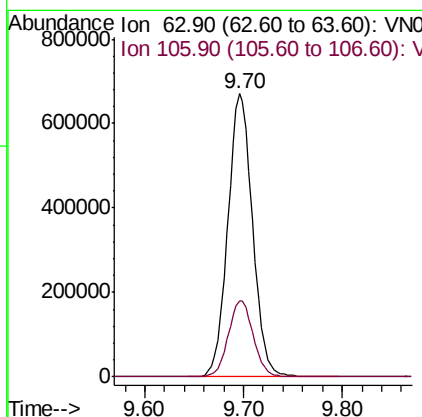
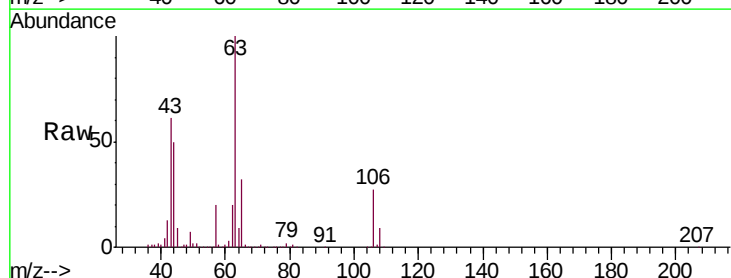
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

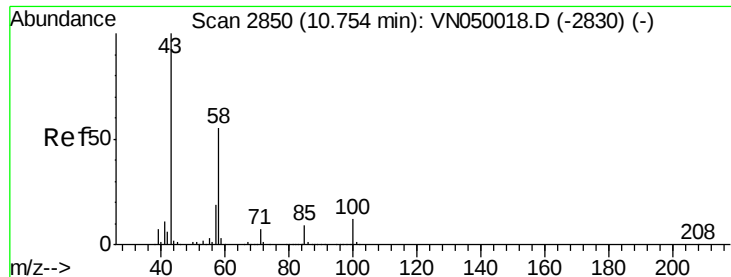
Tot Ion: 76 Resp: 632881
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.60 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 63 Resp: 1176870
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.7 32.5

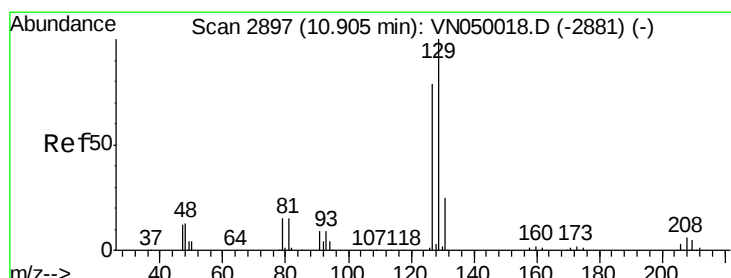
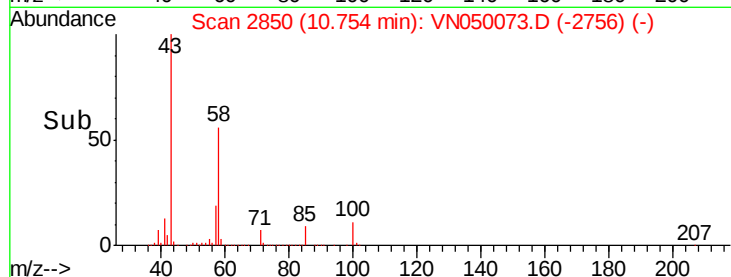
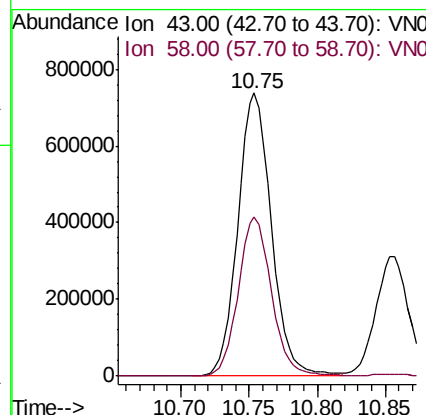
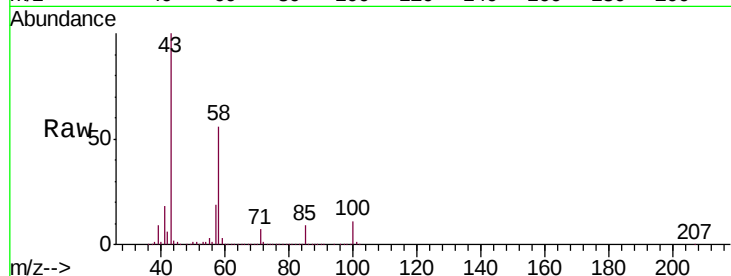




#59
2-Hexanone
Concen: 223.15 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

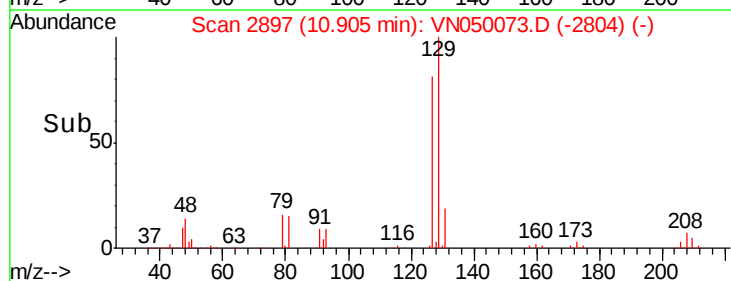
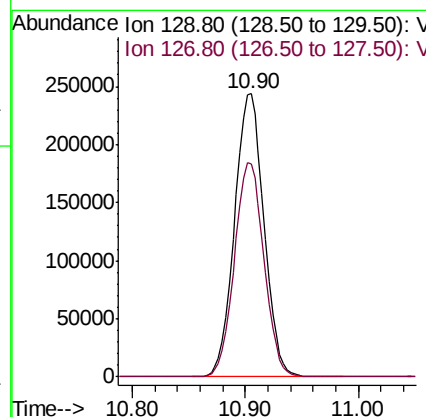
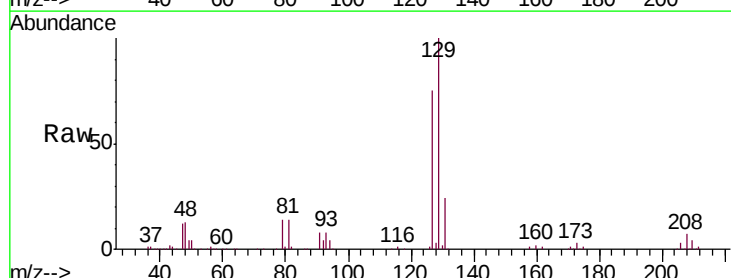
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

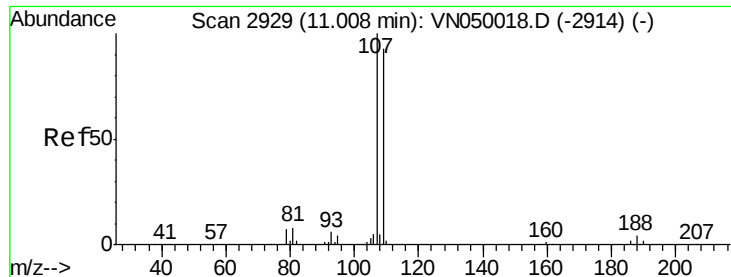
Tot Ion: 43 Resp: 1255627
Ion Ratio Lower Upper
43 100
58 56.0 27.6 82.7



#60
Dibromochloromethane
Concen: 49.86 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 129 Resp: 440540
Ion Ratio Lower Upper
129 100
127 76.2 38.0 113.9

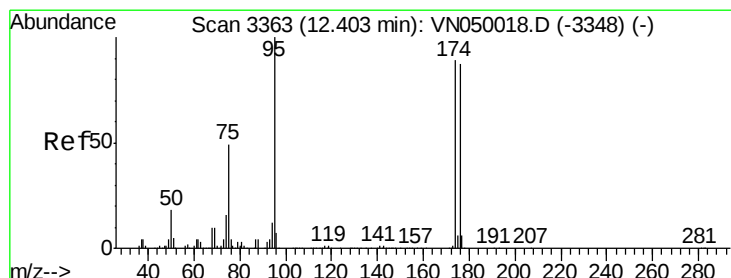
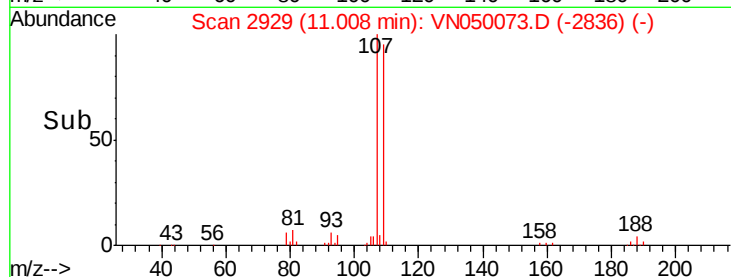
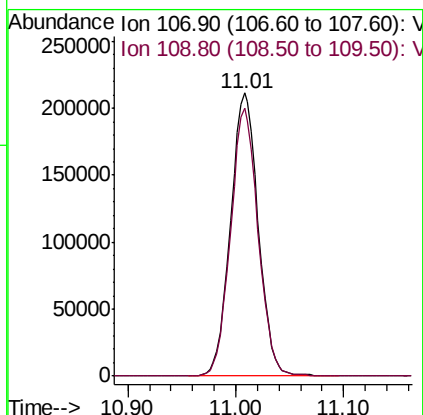
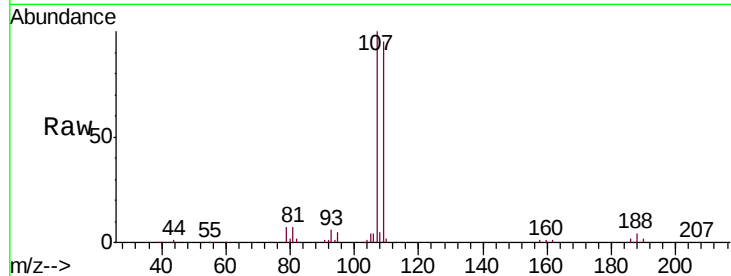




#61
 1,2-Dibromoethane
 Concen: 47.80 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

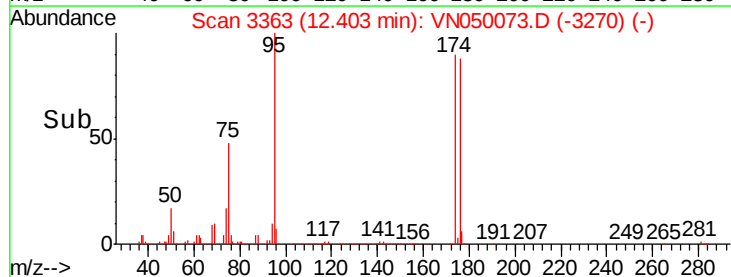
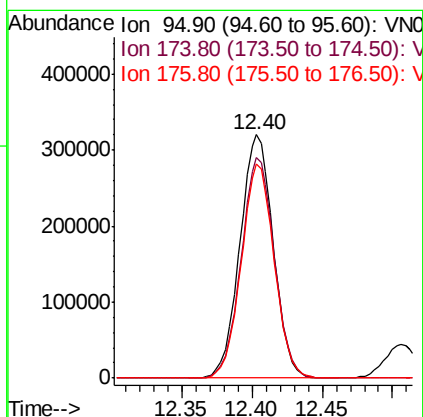
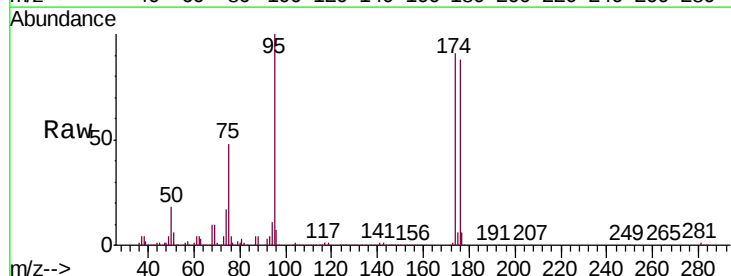
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

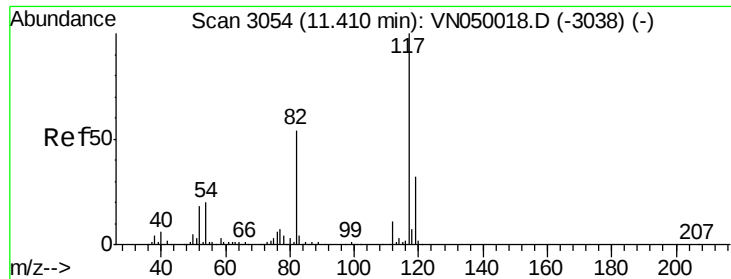
Tot Ion:107 Resp: 378504
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 53.86 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion: 95 Resp: 529289
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 178.2
 176 86.9 0.0 173.4

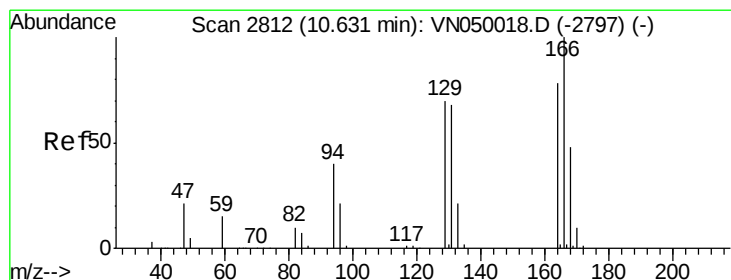
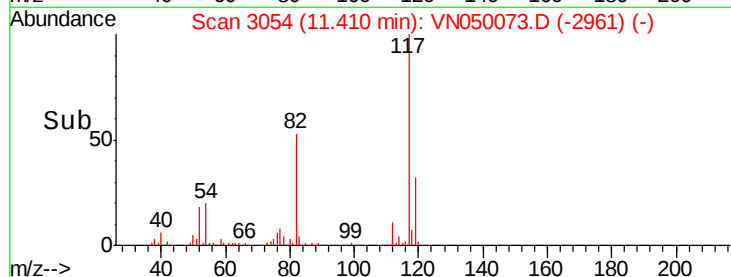
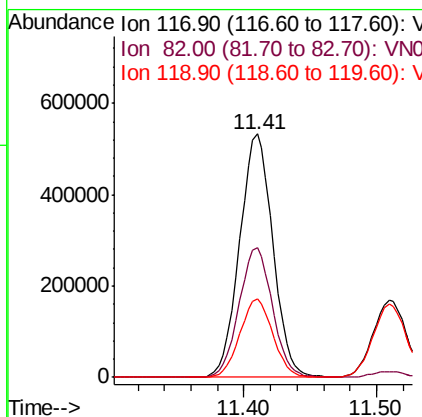
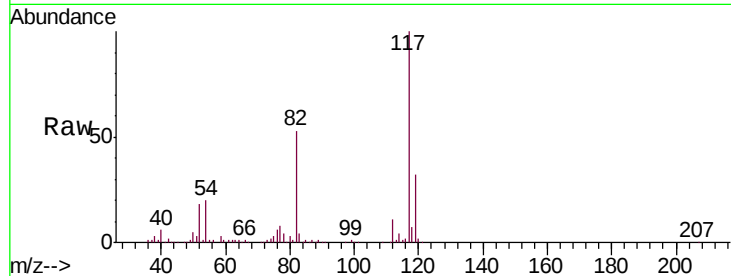




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

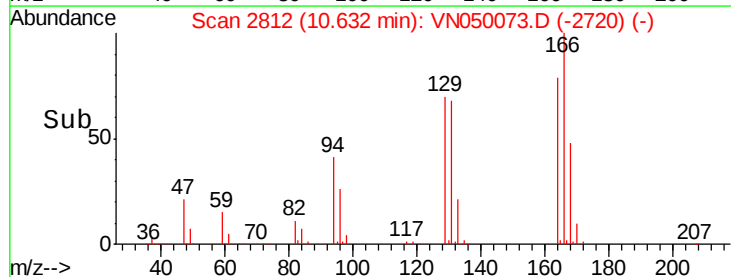
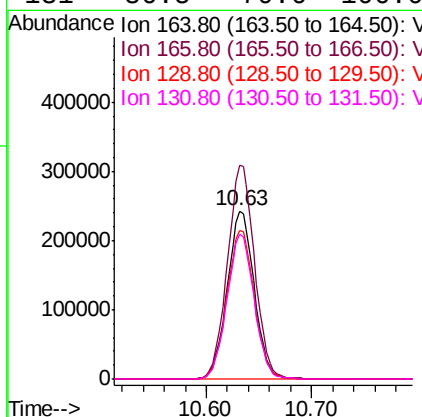
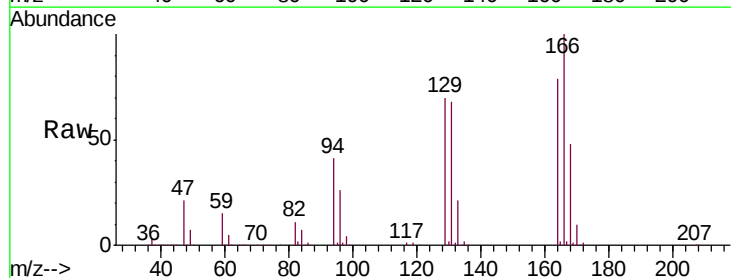
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

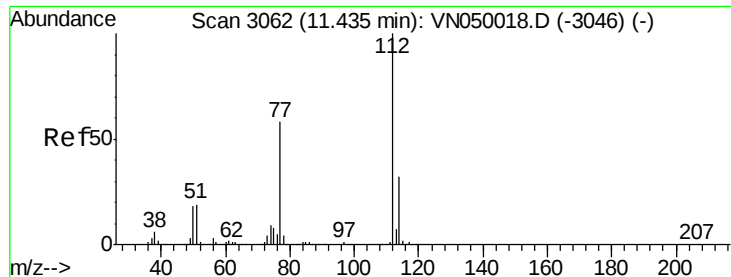
Tot Ion:117 Resp: 926978
Ion Ratio Lower Upper
117 100
82 53.2 43.7 65.5
119 32.2 26.1 39.1



#64
Tetrachloroethene
Concen: 47.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:164 Resp: 426931
Ion Ratio Lower Upper
164 100
166 127.3 102.1 153.1
129 88.5 73.2 109.8
131 86.5 70.6 106.0

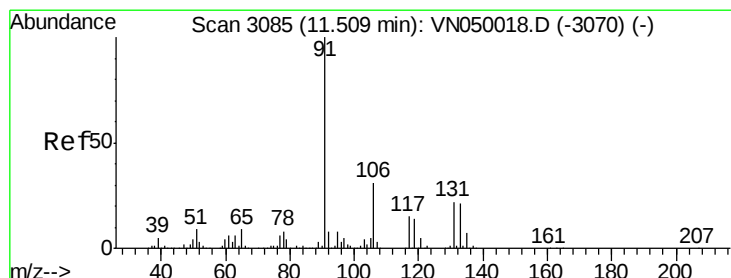
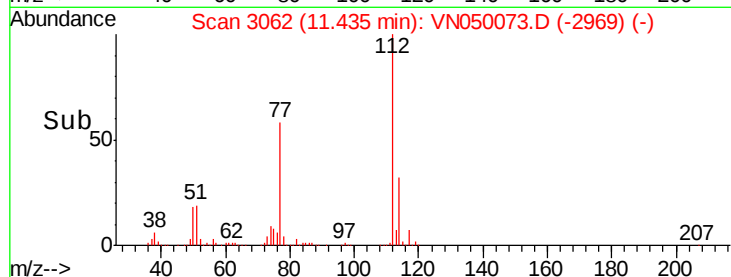
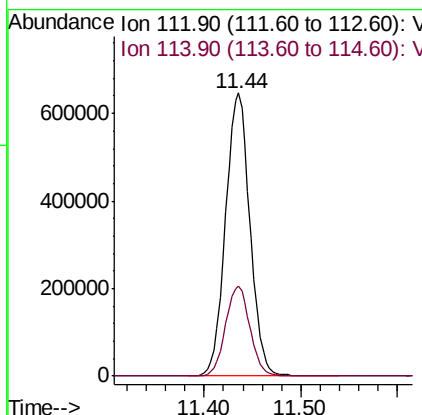
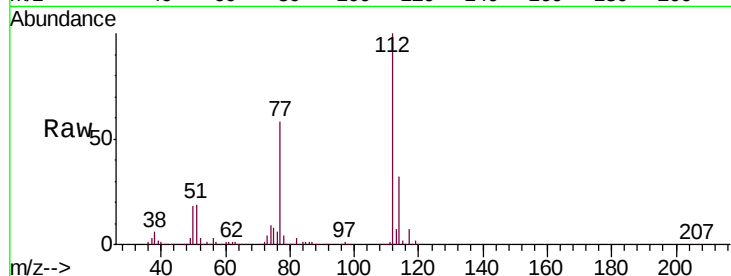




#65
Chlorobenzene
Concen: 48.19 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

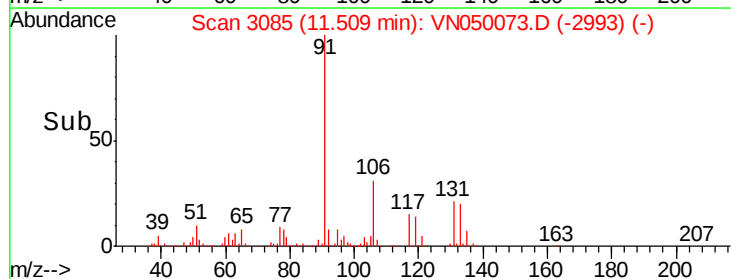
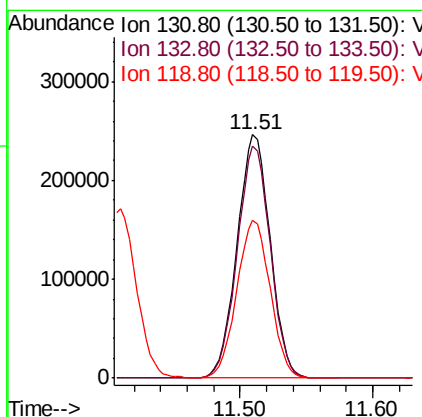
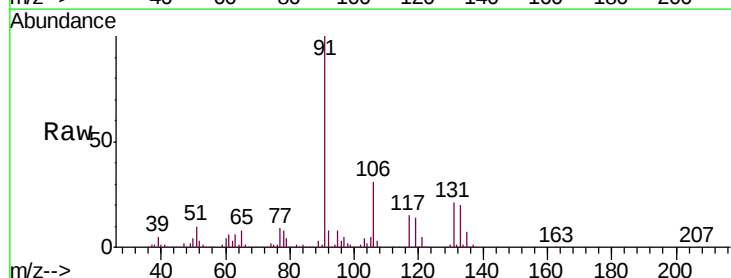
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

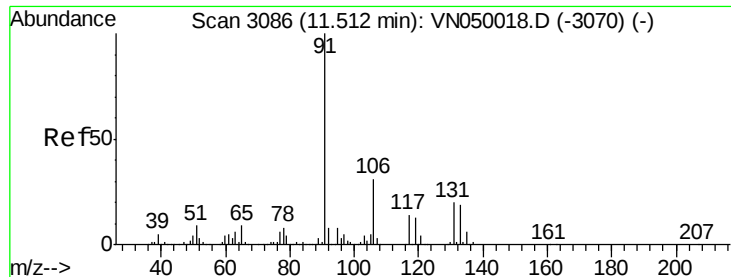
Tot Ion:112 Resp: 1128356
Ion Ratio Lower Upper
112 100
114 31.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.43 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:131 Resp: 426723
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 65.5 32.9 98.7

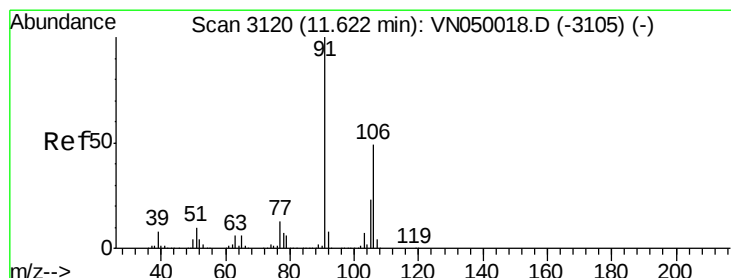
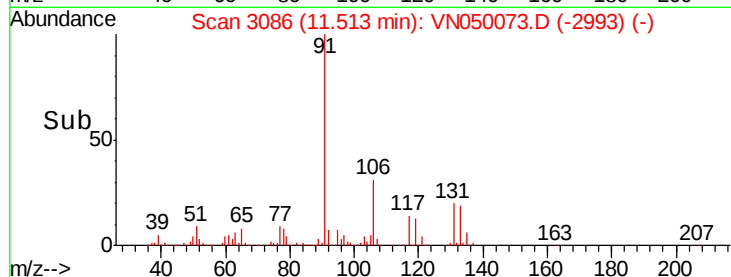
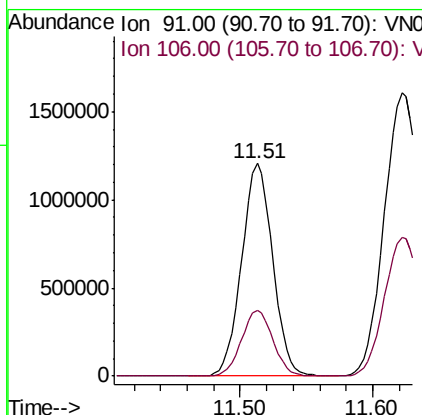
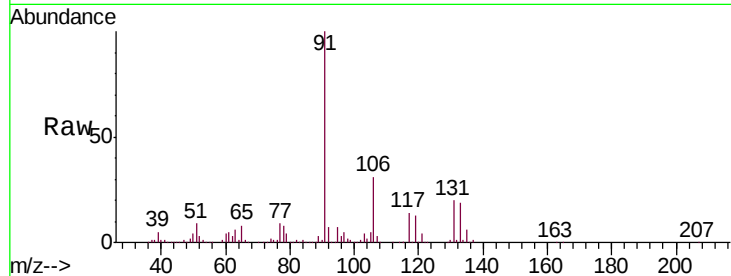




#67
Ethyl Benzene
Concen: 52.38 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

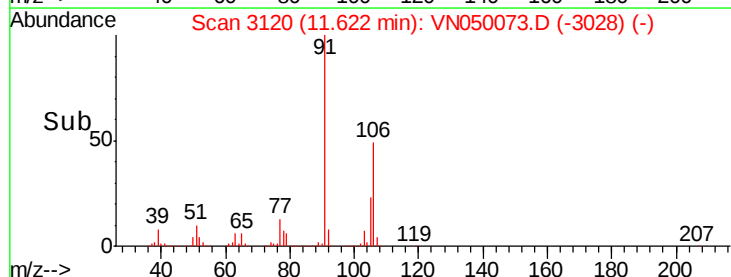
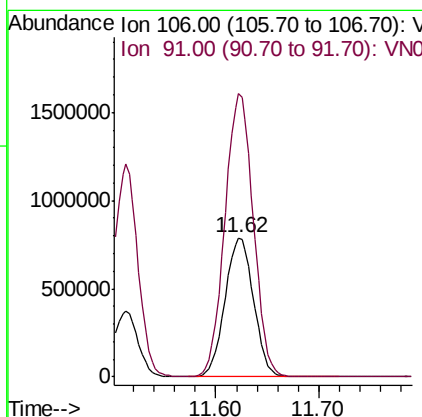
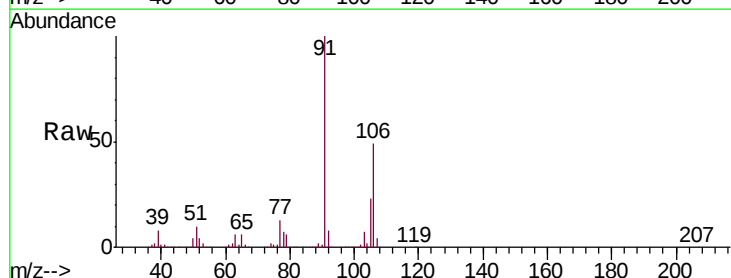
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

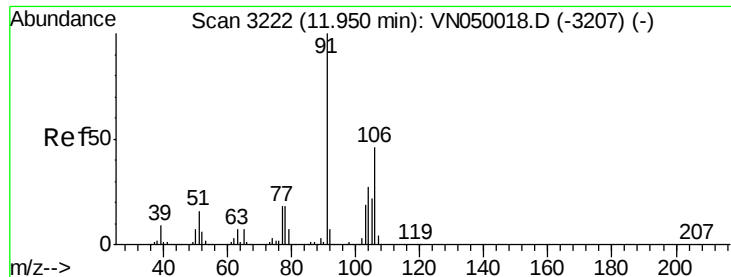
Tot Ion: 91 Resp: 1970028
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4



#68
m/p-Xylenes
Concen: 106.65 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 106 Resp: 1517338
Ion Ratio Lower Upper
106 100
91 203.5 162.2 243.2

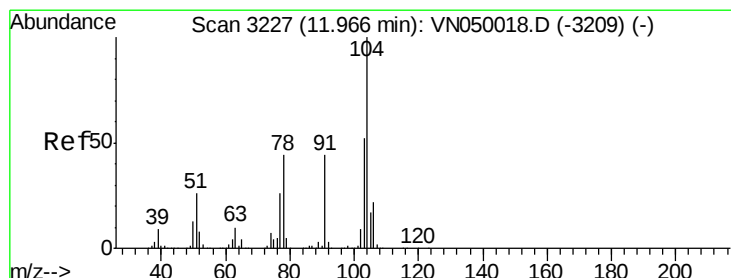
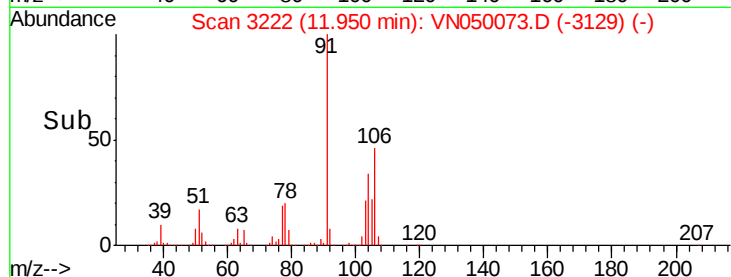
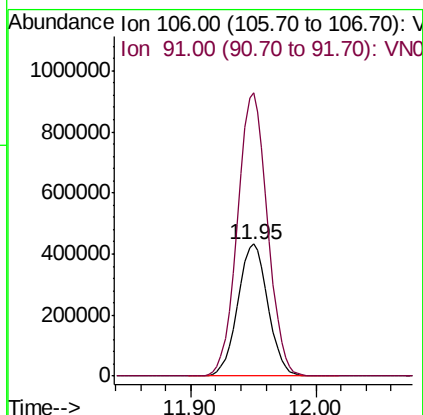
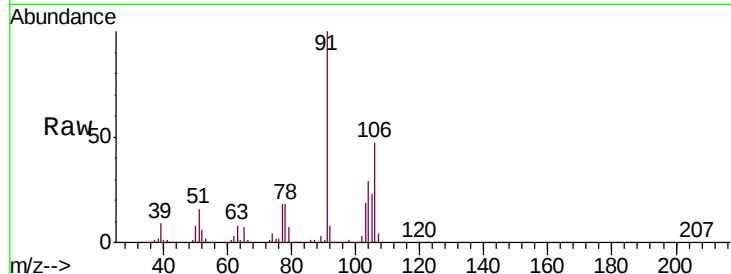




#69
o-Xylene
Concen: 53.14 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

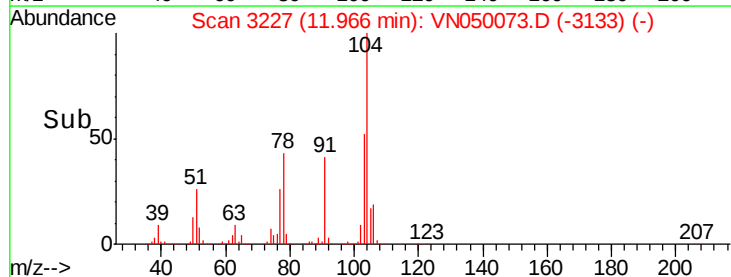
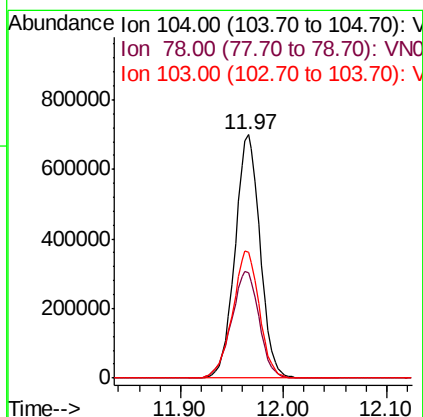
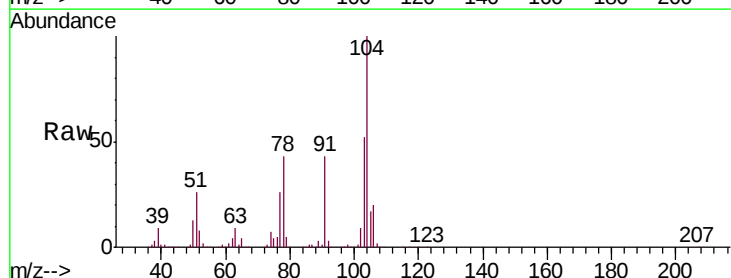
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

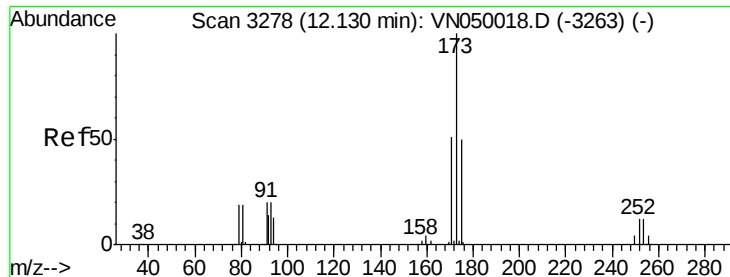
Tot Ion:106 Resp: 720714
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1



#70
Styrene
Concen: 48.97 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:104 Resp: 1180852
Ion Ratio Lower Upper
104 100
78 48.6 39.3 58.9
103 55.8 45.0 67.6





#71

Bromoform

Concen: 47.00 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

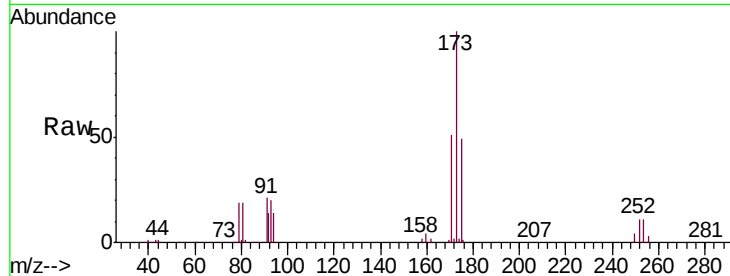
Tot Ion:173 Resp: 307584

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.2

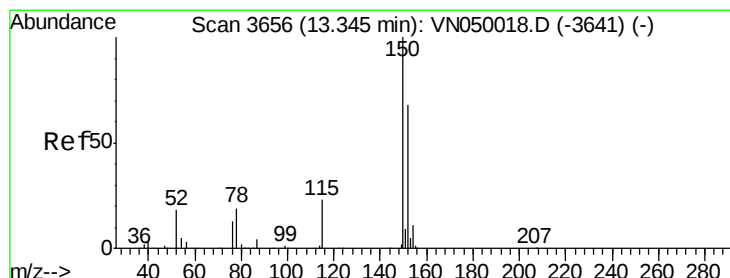
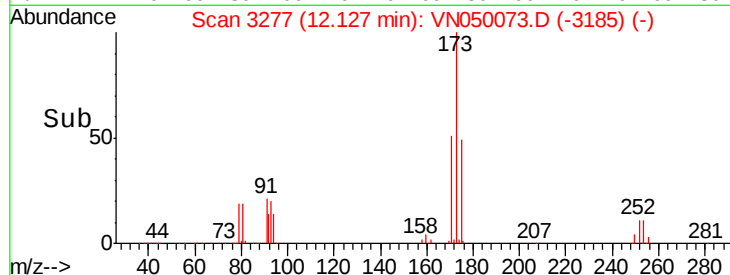
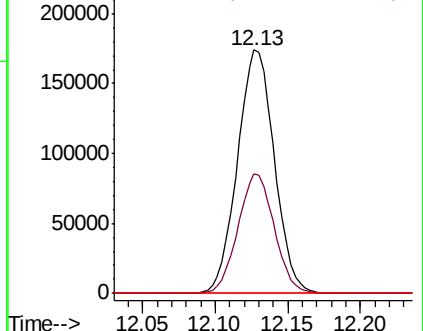
254 0.1 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

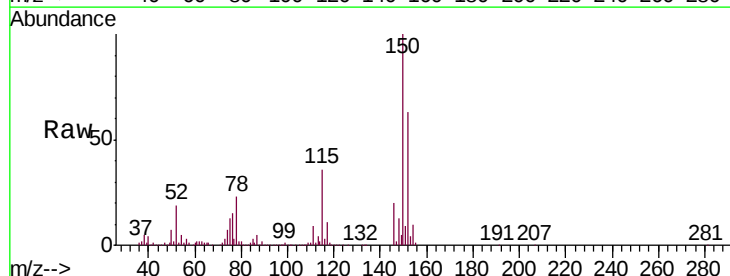
Tgt Ion:152 Resp: 491060

Ion Ratio Lower Upper

152 100

115 56.6 27.8 83.3

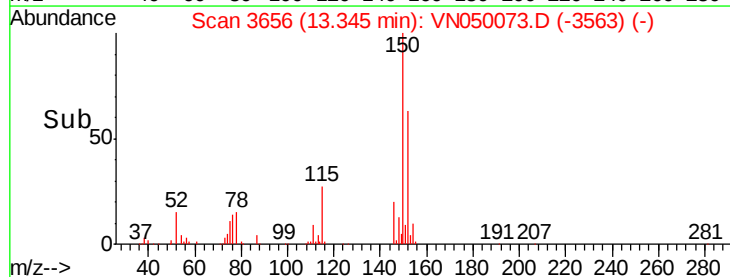
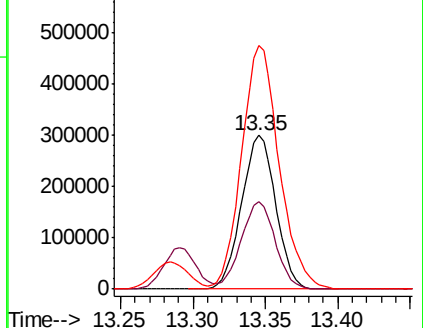
150 174.0 0.0 348.6

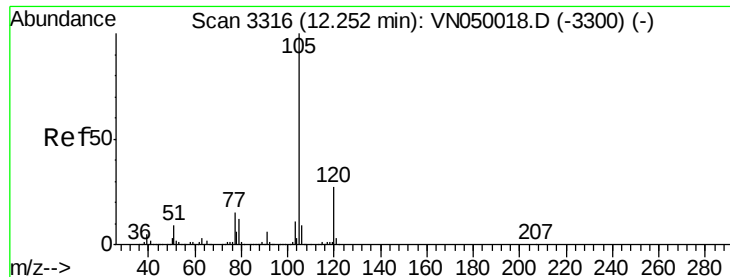


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.24 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

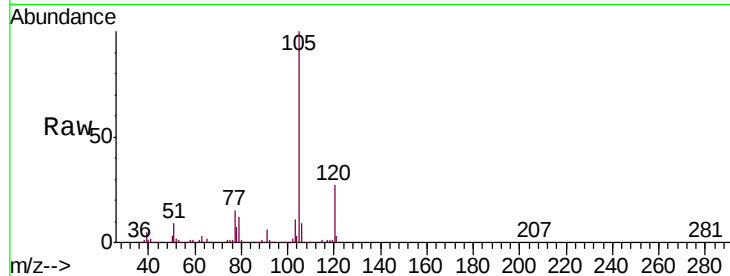
VSTDCCC050

Tot Ion:105 Resp: 1951468

Ion Ratio Lower Upper

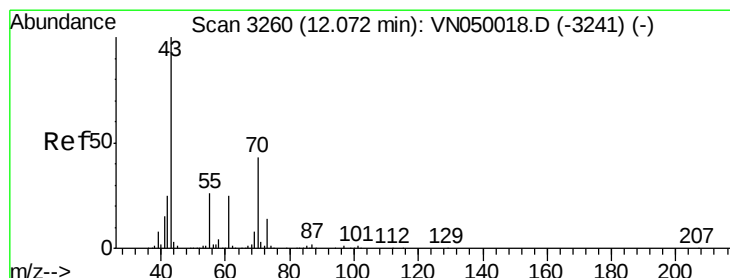
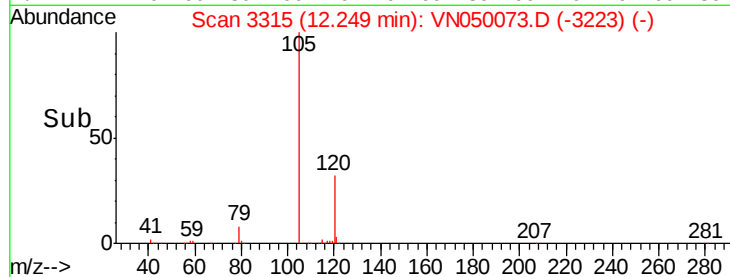
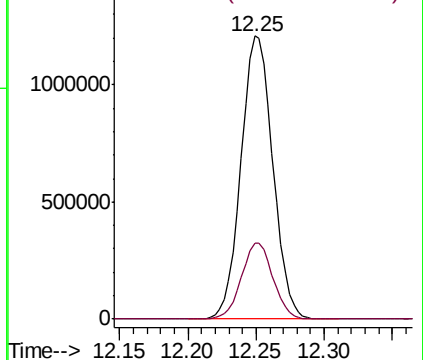
105 100

120 26.7 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.13 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Tgt Ion: 43 Resp: 536886

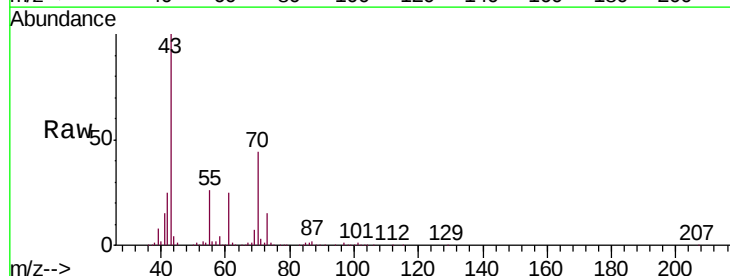
Ion Ratio Lower Upper

43 100

70 43.5 34.4 51.6

55 26.3 20.8 31.2

61 24.9 19.7 29.5

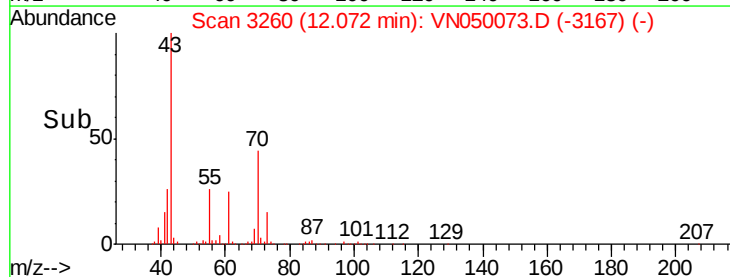
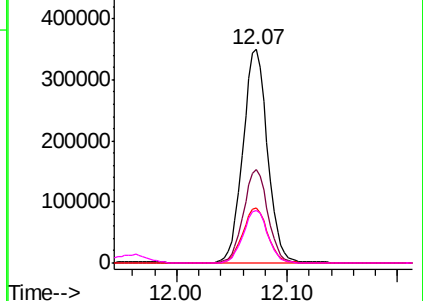


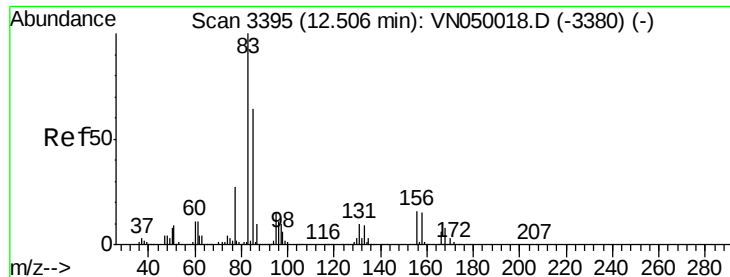
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 46.90 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

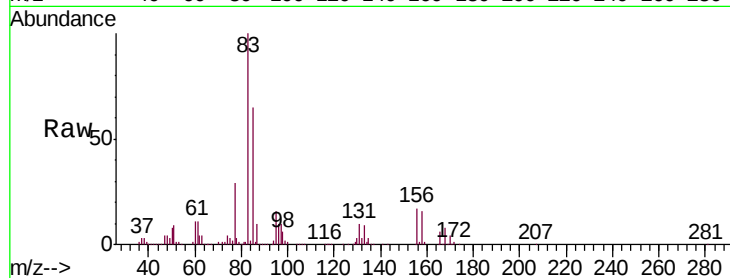
Tot Ion: 83 Resp: 478176

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.3

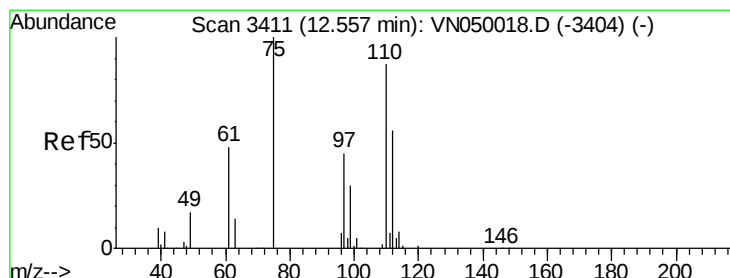
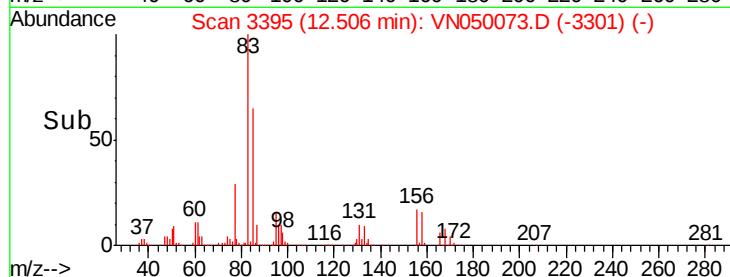
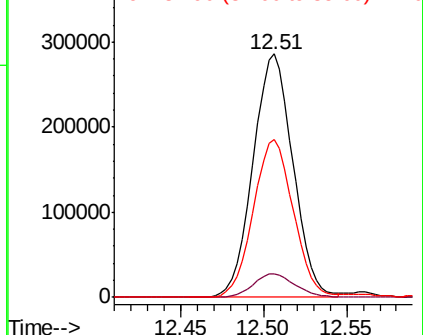
85 65.0 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050073.D (-3301) (-)

Ion 130.80 (130.50 to 131.50): VN050073.D (-3301) (-)

Ion 84.90 (84.60 to 85.60): VN050073.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 65.61 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050073.D

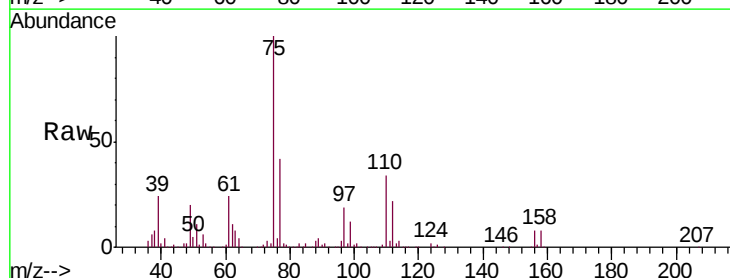
Acq: 26 Jul 2018 10:53

Tgt Ion: 75 Resp: 598799

Ion Ratio Lower Upper

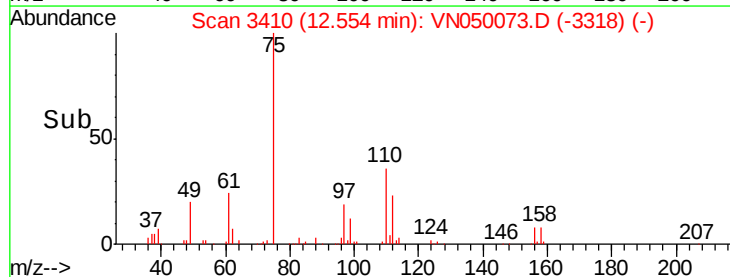
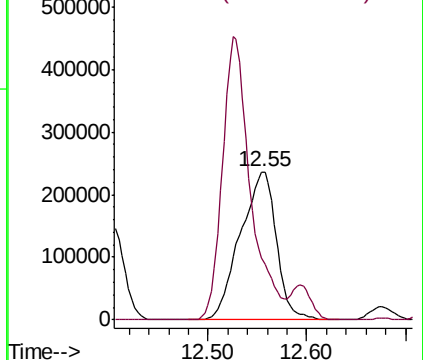
75 100

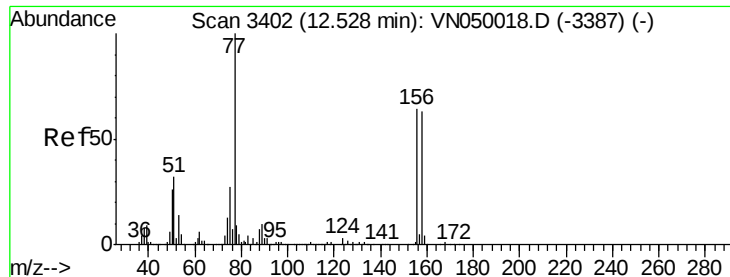
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050073.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN050073.D (-3318) (-)





#77

Bromobenzene

Concen: 46.69 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

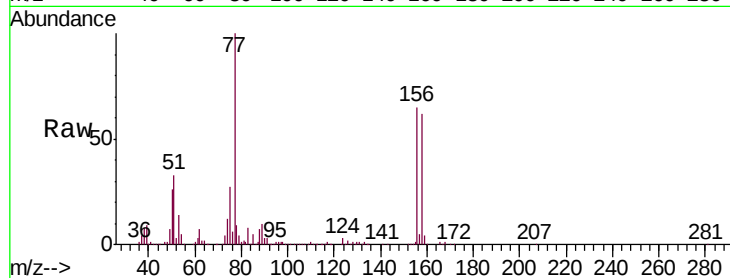
Tot Ion:156 Resp: 492824

Ion Ratio Lower Upper

156 100

77 183.7 91.7 275.1

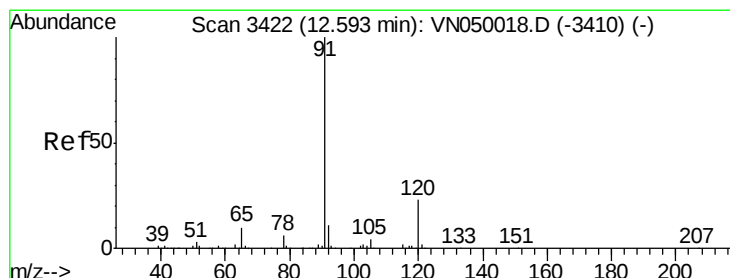
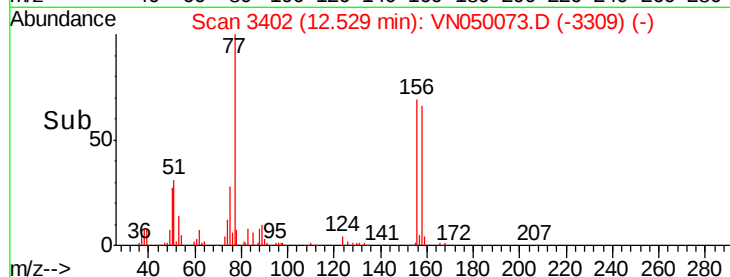
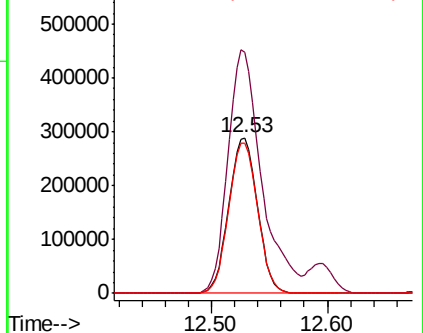
158 97.5 48.9 146.6



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: 53.41 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050073.D

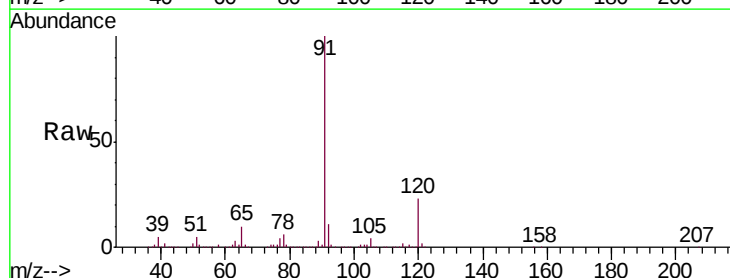
Acq: 26 Jul 2018 10:53

Tgt Ion: 91 Resp: 2273379

Ion Ratio Lower Upper

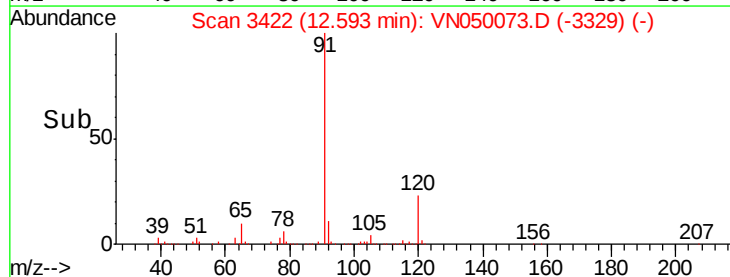
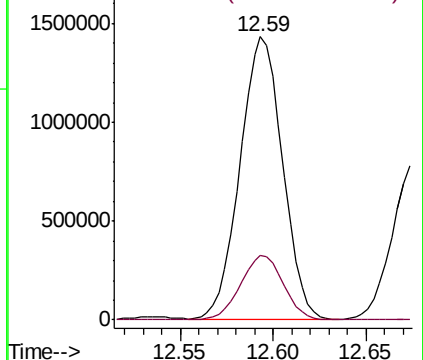
91 100

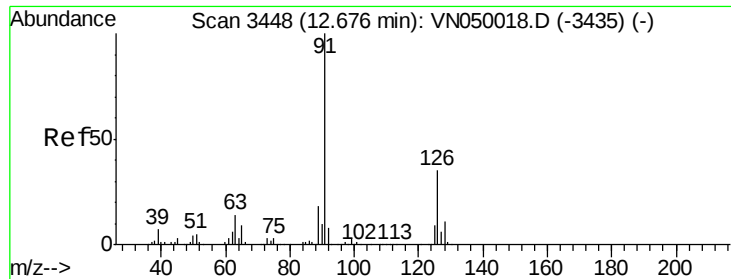
120 22.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.26 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

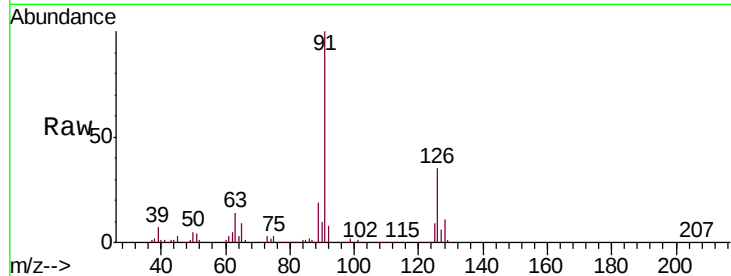
VSTDCCC050

Tot Ion: 91 Resp: 1326159

Ion Ratio Lower Upper

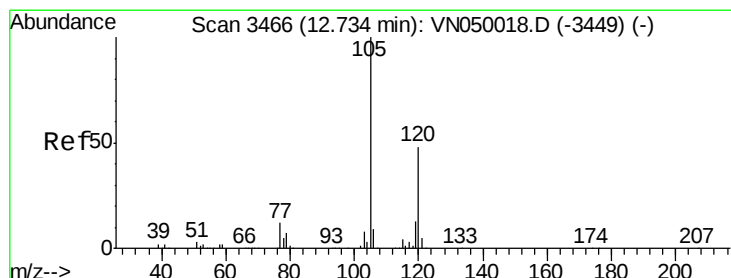
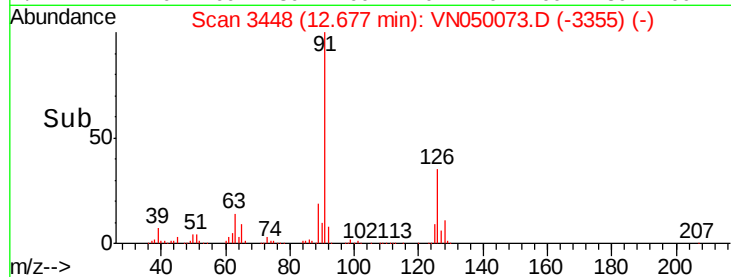
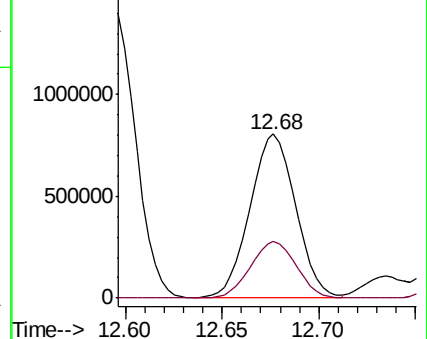
91 100

126 35.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050018.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.85 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050073.D

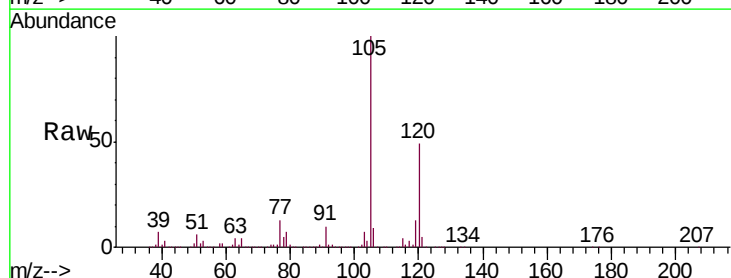
Acq: 26 Jul 2018 10:53

Tgt Ion: 105 Resp: 1613066

Ion Ratio Lower Upper

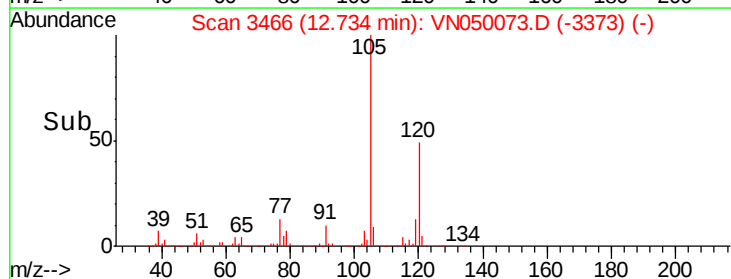
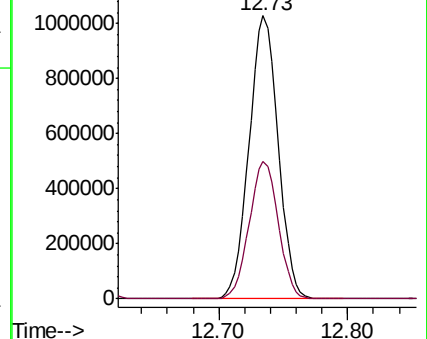
105 100

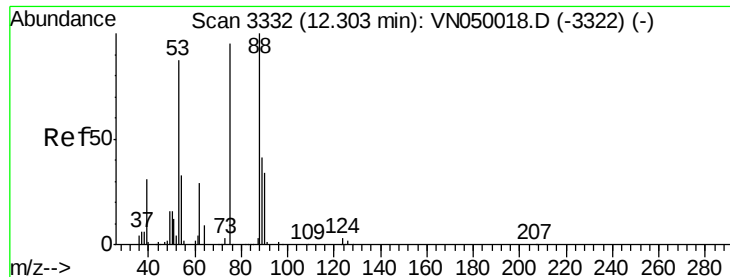
120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050018.D (-3449) (-)

Ion 120.00 (119.70 to 120.70): VN050018.D (-3449) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.93 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

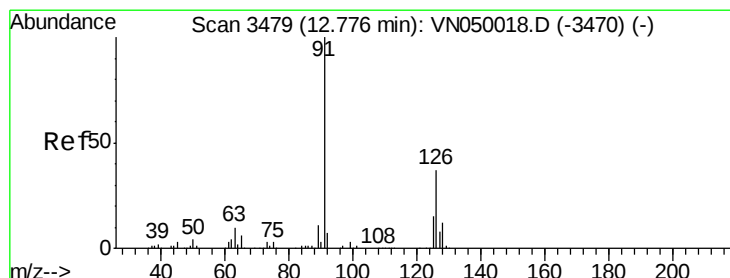
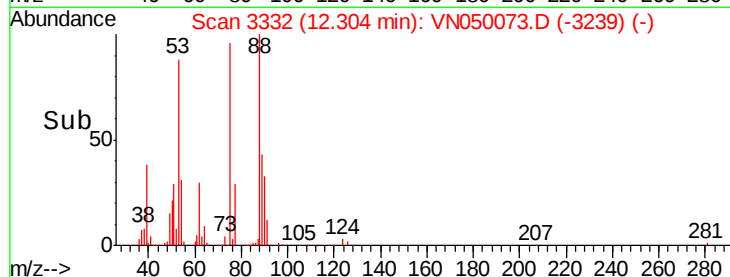
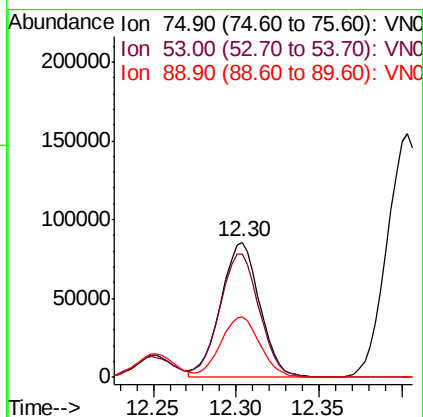
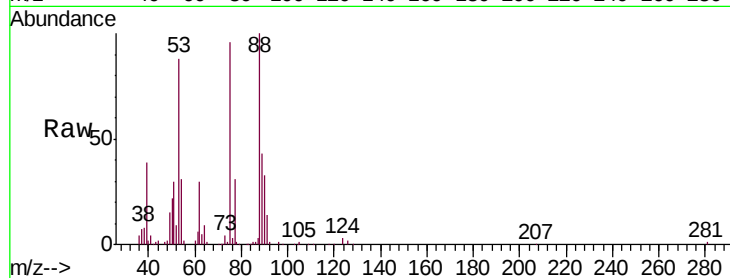
Tot Ion: 75 Resp: 140795

Ion Ratio Lower Upper

75 100

53 92.9 73.5 110.3

89 45.1 36.0 54.0



#82

4-Chlorotoluene

Concen: 51.21 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050073.D

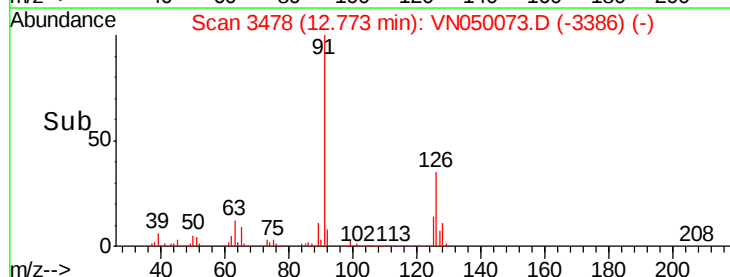
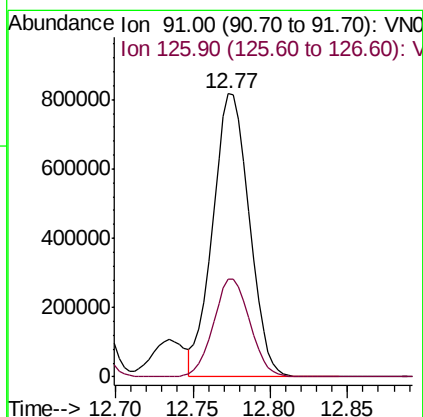
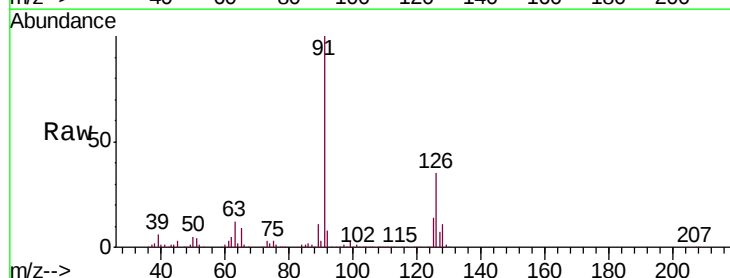
Acq: 26 Jul 2018 10:53

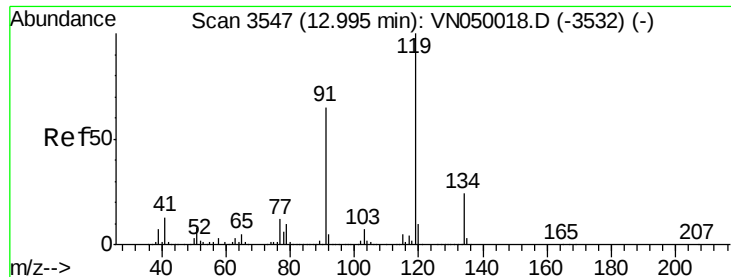
Tgt Ion: 91 Resp: 1337893

Ion Ratio Lower Upper

91 100

126 34.7 17.0 51.0

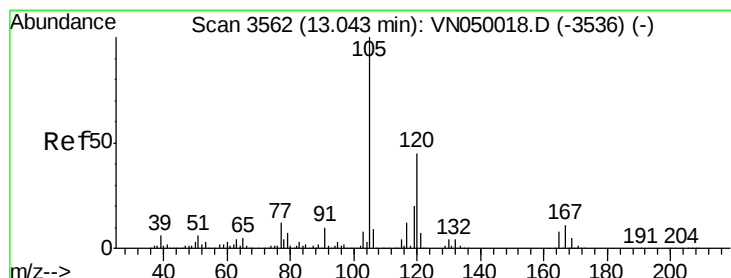
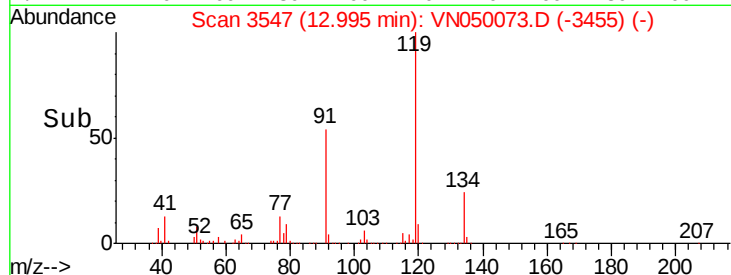
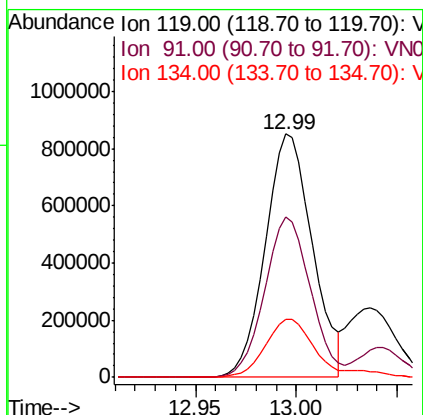
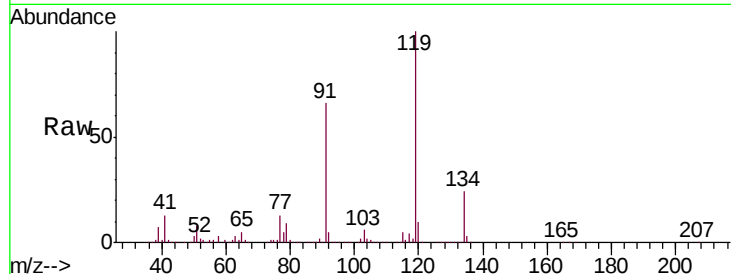




#83
 tert-Butylbenzene
 Concen: 52.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

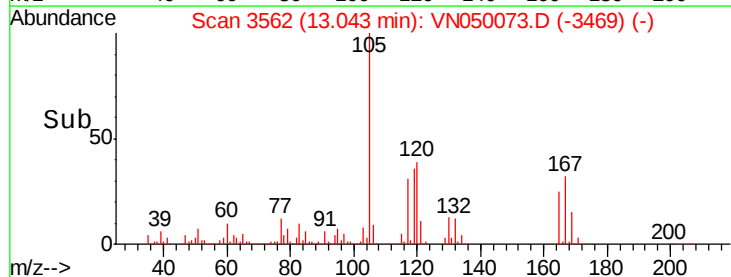
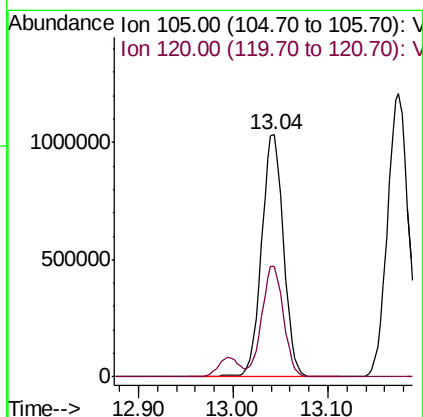
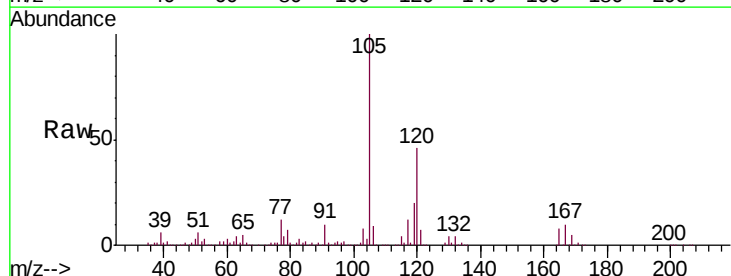
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

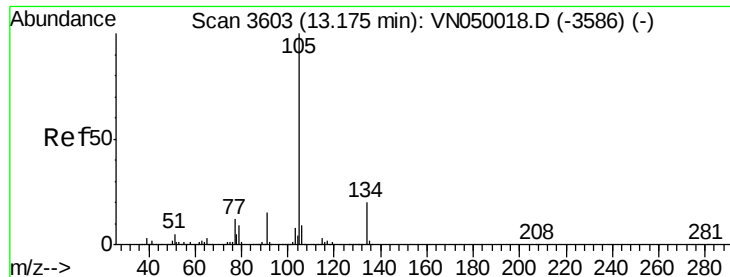
Tot Ion:119 Resp: 1382497
 Ion Ratio Lower Upper
 119 100
 91 64.1 32.1 96.3
 134 24.5 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 54.87 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion:105 Resp: 1656676
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 53.75 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

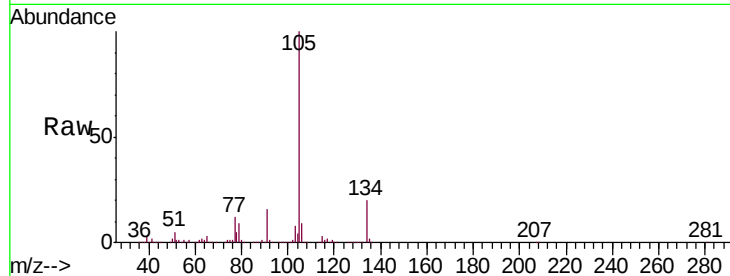
VSTDCCC050

Tot Ion:105 Resp: 1877379

Ion Ratio Lower Upper

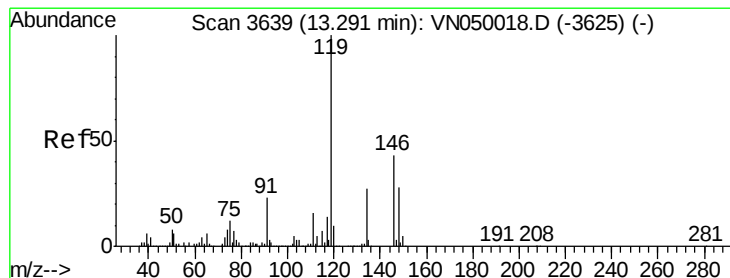
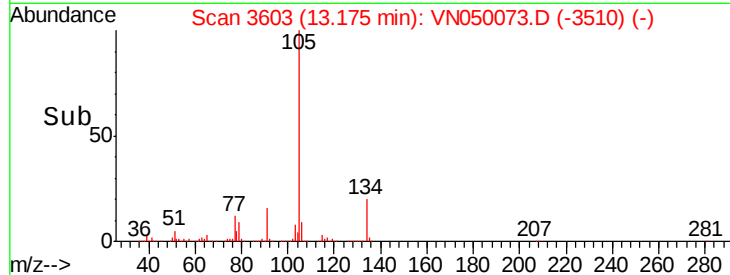
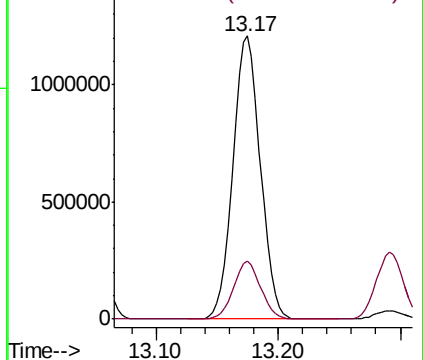
105 100

134 20.1 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.71 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

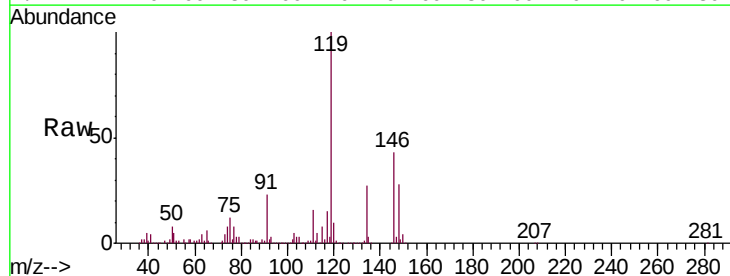
Tgt Ion:119 Resp: 1639742

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

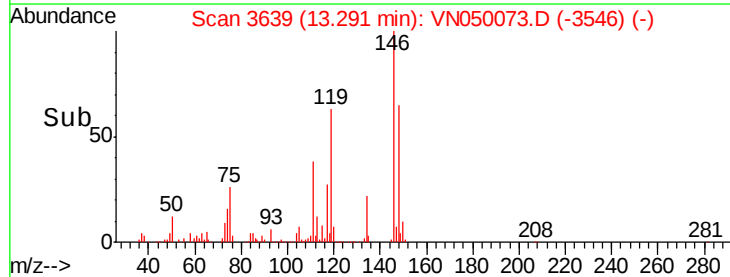
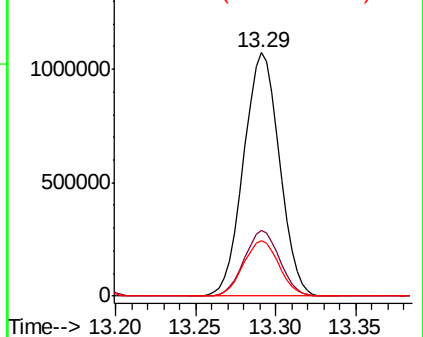
91 22.7 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 48.93 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

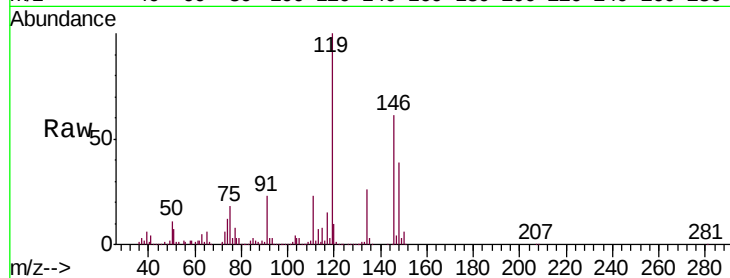
Tot Ion:146 Resp: 875460

Ion Ratio Lower Upper

146 100

111 38.3 18.8 56.4

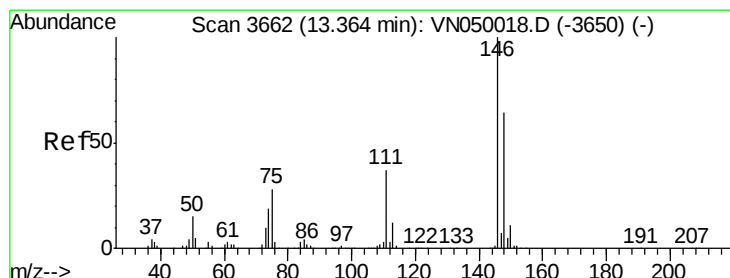
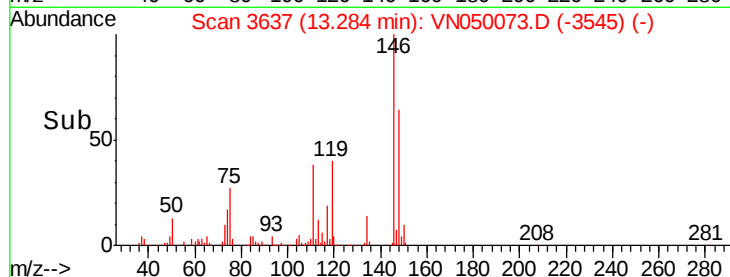
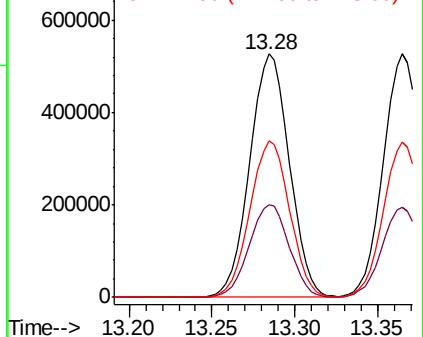
148 64.4 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.05 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

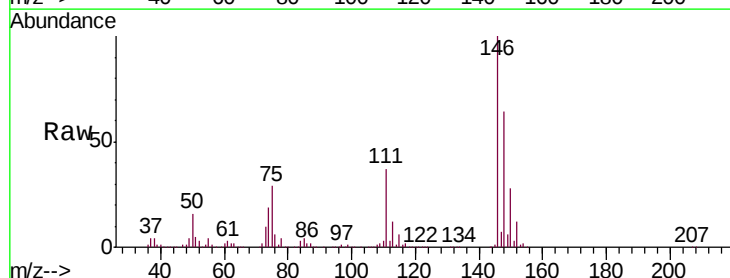
Tgt Ion:146 Resp: 855400

Ion Ratio Lower Upper

146 100

111 37.8 18.3 54.9

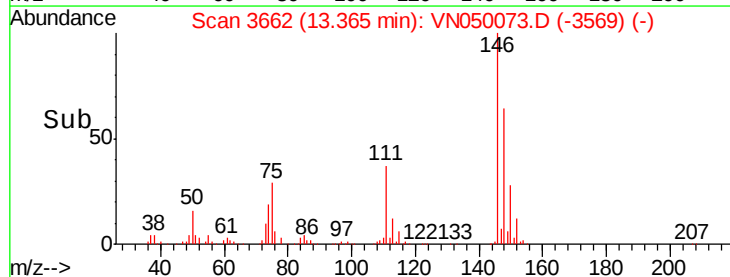
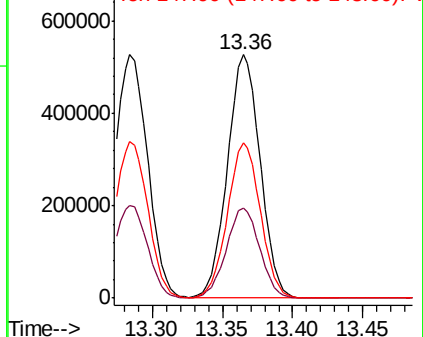
148 64.1 31.9 95.9

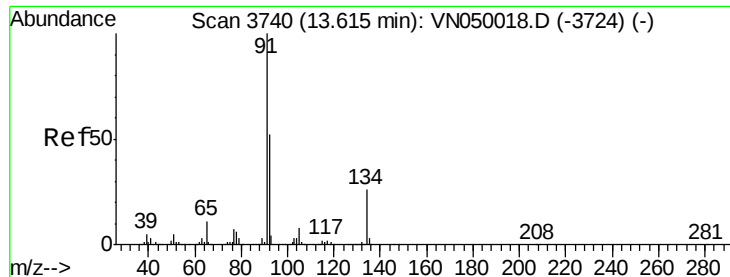


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

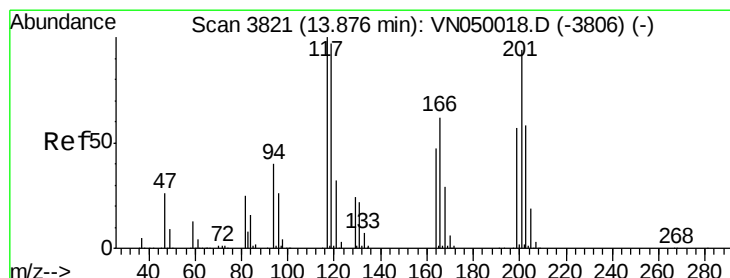
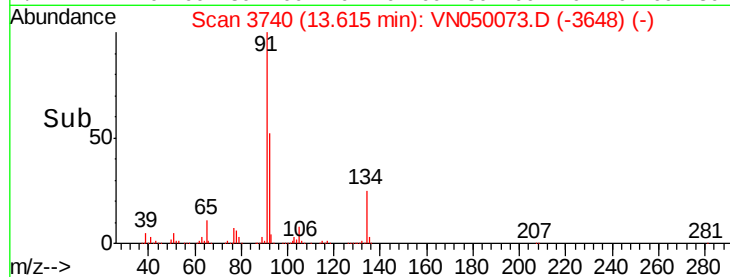
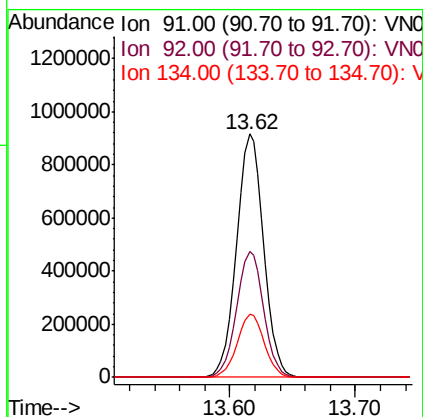
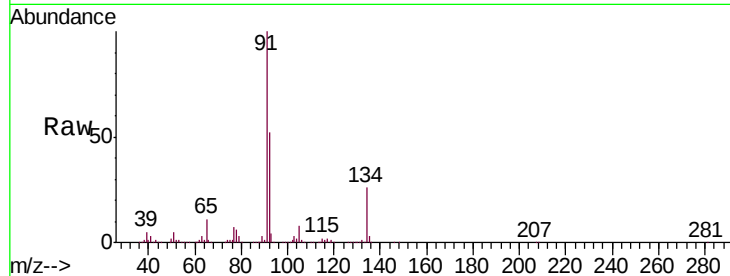




#89
n-Butylbenzene
Concen: 56.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

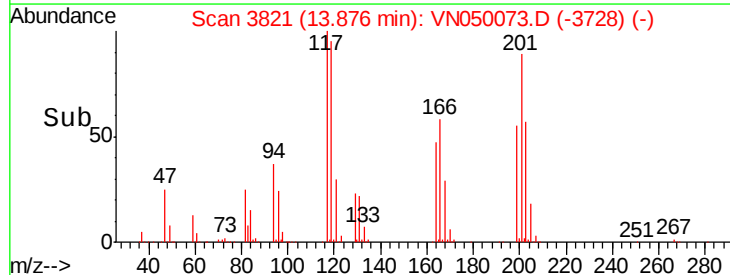
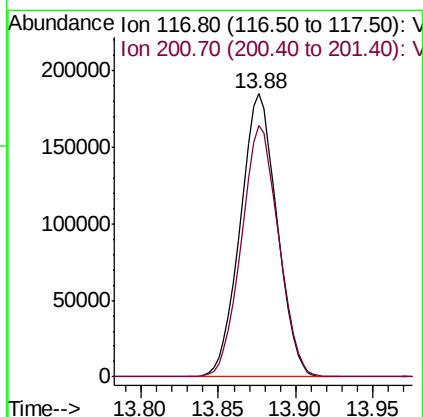
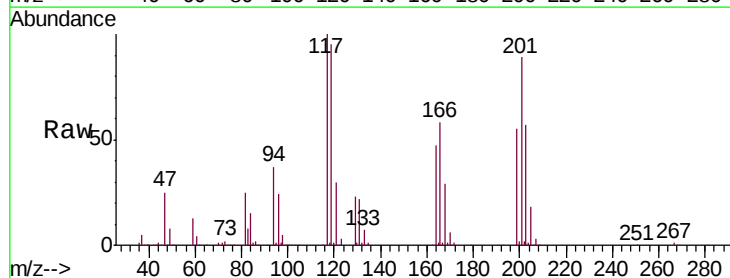
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

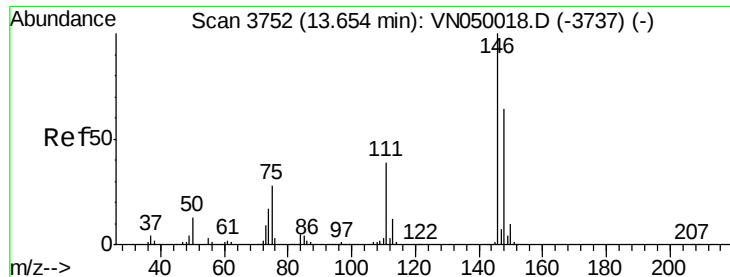
Tot Ion: 91 Resp: 1368337
Ion Ratio Lower Upper
91 100
92 51.7 25.8 77.4
134 26.0 12.8 38.4



#90
Hexachloroethane
Concen: 46.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion: 117 Resp: 306143
Ion Ratio Lower Upper
117 100
201 89.6 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 47.78 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

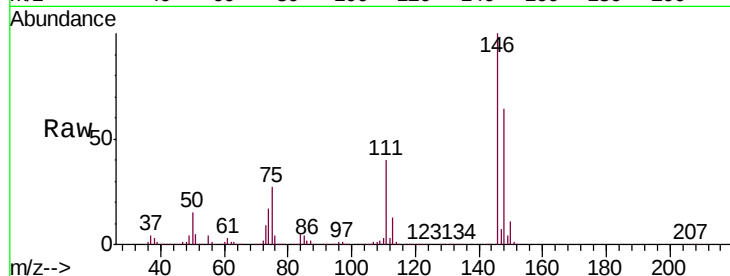
Tot Ion:146 Resp: 854564

Ion Ratio Lower Upper

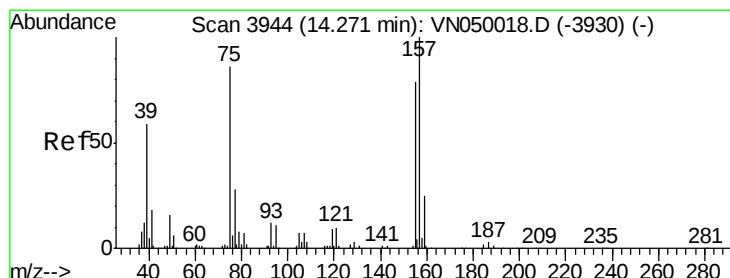
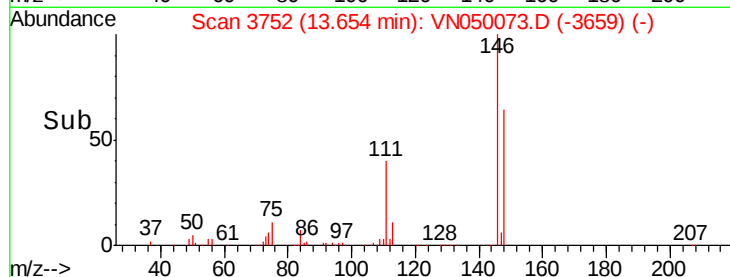
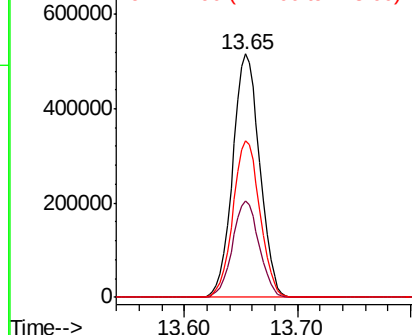
146 100

111 39.3 19.6 58.7

148 64.2 32.1 96.3



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: 43.66 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050073.D

Acq: 26 Jul 2018 10:53

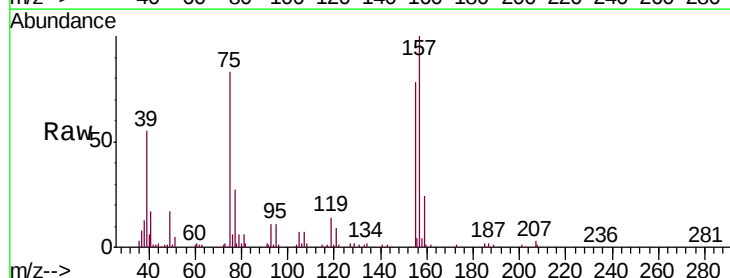
Tgt Ion: 75 Resp: 74262

Ion Ratio Lower Upper

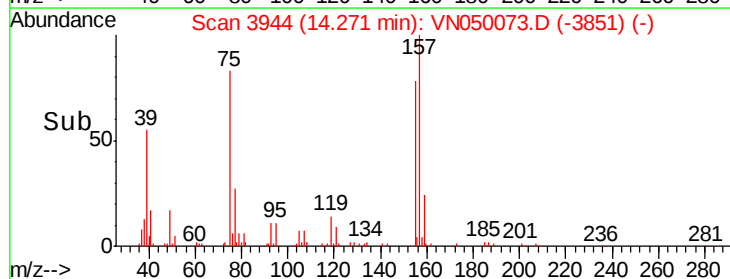
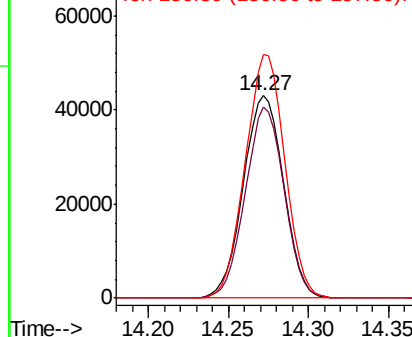
75 100

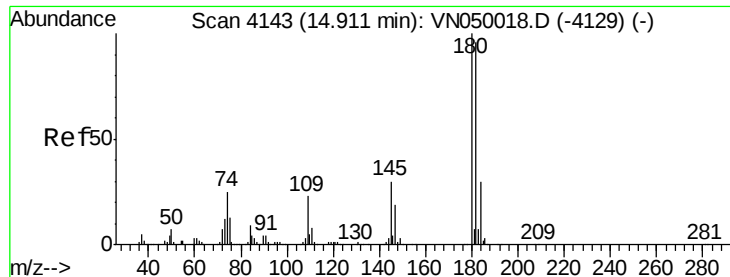
155 90.8 44.8 134.4

157 118.2 57.2 171.6



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

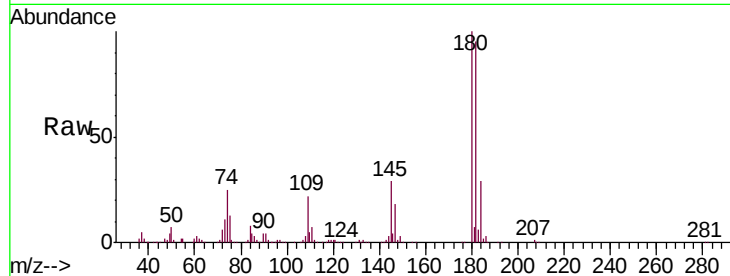




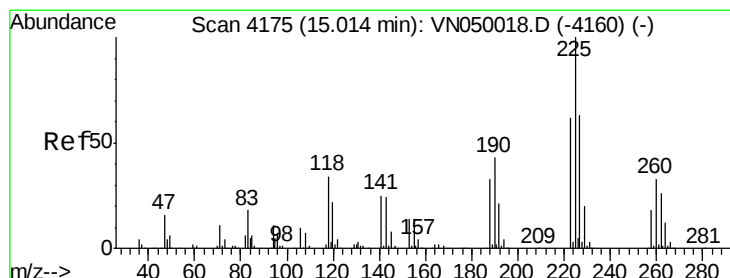
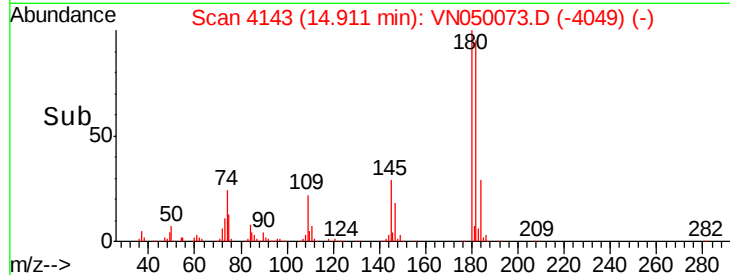
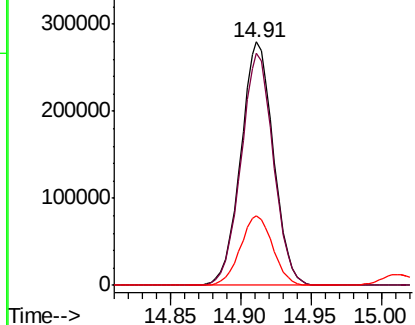
#93
 1,2,4-Trichlorobenzene
 Concen: 47.79 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 452008
 Ion Ratio Lower Upper
 180 100
 182 94.9 46.7 140.1
 145 28.4 13.8 41.4

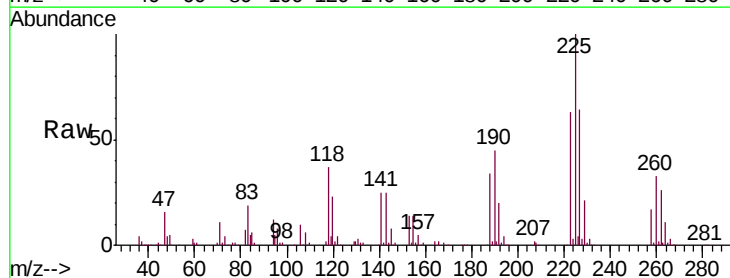


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

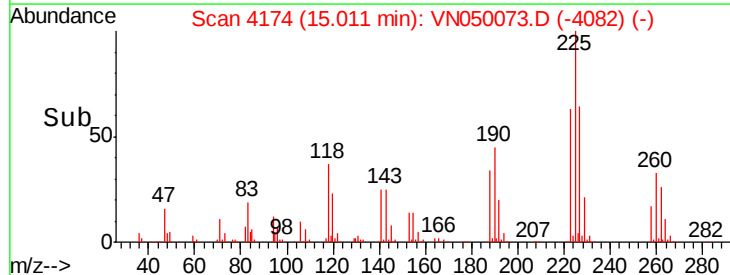
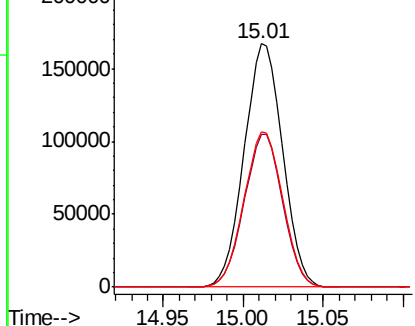


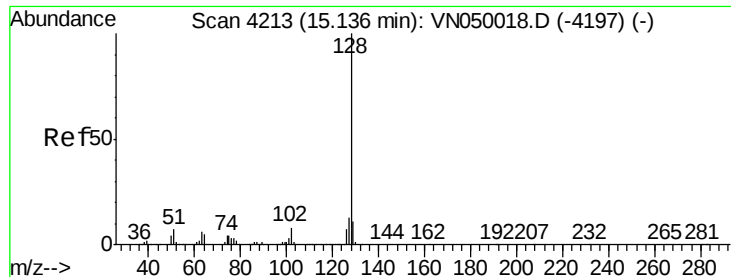
#94
 Hexachlorobutadiene
 Concen: 50.25 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050073.D
 Acq: 26 Jul 2018 10:53

Tgt Ion:225 Resp: 275162
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 64.5 32.1 96.5



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

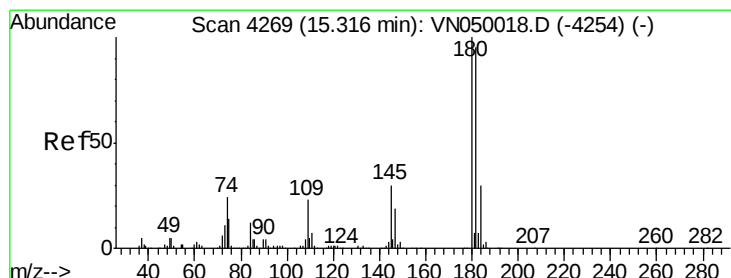
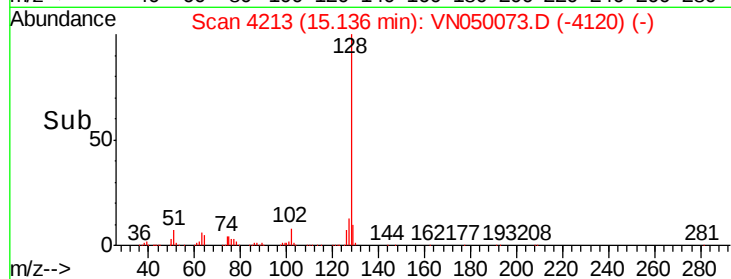
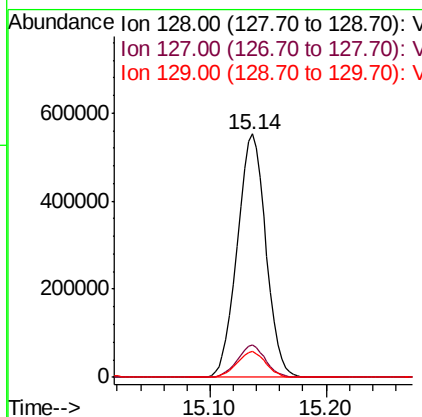
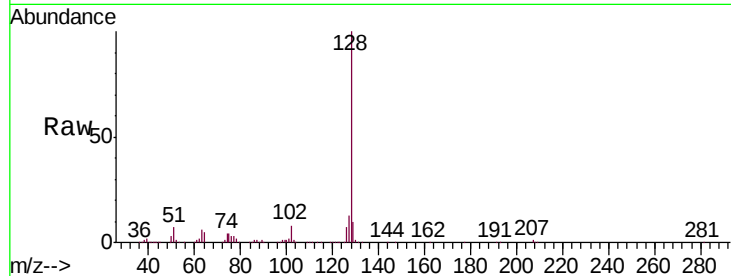




#95
Naphthalene
Concen: 42.64 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 940324
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 47.32 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050073.D
Acq: 26 Jul 2018 10:53

Tgt Ion:180 Resp: 436044
Ion Ratio Lower Upper
180 100
182 96.2 48.1 144.4
145 31.0 15.3 45.9

