

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051166.D
 Acq On : 13 Sep 2018 12:42
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 14 01:08:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	113067	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	615558	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	534288	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	211920	29.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.90%
60) 4-Bromofluorobenzene	12.40	95	239560	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	10.09	98	750206	30.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	97242	13.85	ug/l	99
3) Chloromethane	2.06	50	132008	15.92	ug/l	99
4) Vinyl Chloride	2.18	62	134261	16.39	ug/l	99
5) Bromomethane	2.56	94	74997	15.02	ug/l	100
6) Chloroethane	2.70	64	83197	17.22	ug/l	94
7) Trichlorofluoromethane	3.01	101	187102	17.23	ug/l	97
8) Diethyl Ether	3.41	74	70511	18.41	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	121625	18.08	ug/l	98
10) 1,1-Dichloroethene	3.73	96	109250	17.88	ug/l	95
11) Methyl Iodide	3.95	142	82424	14.46	ug/l	98
12) Methyl Acetate	4.33	43	115470	16.34	ug/l	99
13) Acrolein	3.61	56	48392	309.35	ug/l	99
14) Acrylonitrile	4.99	53	222759	93.26	ug/l	98
15) Acetone	3.82	58	65955	107.91	ug/l	88
16) Carbon Disulfide	4.05	76	309654	16.86	ug/l	100
17) Allyl chloride	4.32	41	171096	17.80	ug/l	98
18) Methylene Chloride	4.55	84	133307	18.59	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	119039	18.29	ug/l	94
20) Diisopropyl ether	5.96	45	371619	18.62	ug/l	99
21) 1,1-Dichloroethane	5.85	63	226270	18.49	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	135248	18.39	ug/l	100
23) tert-Butyl Alcohol	4.80	59	50214	98.85	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	318534	19.06	ug/l	100
25) Chloroform	7.37	83	229481	18.79	ug/l	98
26) Cyclohexane	7.65	56	175716	17.34	ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	163957	17.79	ug/l	99
30) 2-Butanone	6.84	43	266161	93.88	ug/l	100
31) 2,2-Dichloropropane	6.83	77	184015	20.52	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	194182	18.58	ug/l	97
33) Carbon Tetrachloride	7.77	117	169795	18.04	ug/l	96
34) Benzene	8.04	78	522488	18.33	ug/l	99
35) Methacrylonitrile	7.18	41	56954	18.34	ug/l	94
36) 1,2-Dichloroethane	8.13	62	158732	18.41	ug/l	99
37) Trichloroethene	8.84	130	136979	18.38	ug/l	98
38) Methylcyclohexane	9.08	83	169963	17.17	ug/l	99
39) 1,2-Dichloropropane	9.12	63	137920	18.52	ug/l	98
40) Dibromomethane	9.21	93	84015	18.73	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	174627	18.47	ug/l	100
42) Vinyl Acetate	5.90	43	1248503	95.61	ug/l	98
43) Ethyl Acetate	6.93	43	113265	19.50	ug/l	100
44) Isopropyl Acetate	8.17	43	220926	21.56	ug/l	96
45) 1,4-Dioxane	9.20	88	29473	387.16	ug/l	98
46) Methyl methacrylate	9.20	41	94492	18.41	ug/l	98
47) n-amyl Acetate	12.07	43	147050	17.85	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	168167	18.14	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	195998	18.41	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	124695	19.13	ug/l	98
51) Ethyl methacrylate	10.43	69	147483	18.50	ug/l	97
52) 1,3-Dichloropropane	10.71	76	201788	18.69	ug/l	100
53) Dibromochloromethane	10.90	129	137457	18.55	ug/l	100
54) 1,2-Dibromoethane	11.01	107	119228	18.50	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	293931	88.60	ug/l	99
56) Bromoform	12.13	173	98321	18.66	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	562214	91.97	ug/l	98
59) 2-Hexanone	10.75	43	371428	92.96	ug/l	99
61) Tetrachloroethene	10.63	164	124003	18.63	ug/l	99
62) Toluene	10.16	91	556342	18.66	ug/l	100
64) Chlorobenzene	11.44	112	349851	18.94	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	134420	19.27	ug/l	99
66) Ethyl Benzene	11.51	91	556959	18.04	ug/l	99
67) m/p-Xylenes	11.62	106	445566	37.51	ug/l	99
68) o-Xylene	11.95	106	213069	18.77	ug/l	100
69) Styrene	11.96	104	338674	18.77	ug/l	99
70) Isopropylbenzene	12.25	105	561444	18.61	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	162602	19.91	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	183390	26.03	ug/l	94
73) Bromobenzene	12.53	156	149704	18.86	ug/l	98
74) n-propylbenzene	12.59	91	616607	18.08	ug/l	99
75) 2-Chlorotoluene	12.67	91	385667	18.62	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	459474	18.64	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37602	18.73	ug/l	97
78) 4-Chlorotoluene	12.77	91	372699	18.27	ug/l	99
79) tert-butylbenzene	12.99	119	396934	18.54	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	469506	19.10	ug/l	98
81) sec-Butylbenzene	13.17	105	512197	18.29	ug/l	100
82) p-Isopropyltoluene	13.29	119	437602	18.10	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	240112	17.90	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	228350	17.96	ug/l	100
85) n-Butylbenzene	13.62	91	307588	16.67	ug/l	99
86) Hexachloroethane	13.88	117	86184	18.57	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	246885	18.69	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21170	18.53	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	84207	14.32	ug/l	100
90) Hexachlorobutadiene	15.01	225	78484	19.65	ug/l	99
91) Naphthalene	15.13	128	170450	17.85	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	92687	15.71	ug/l	99

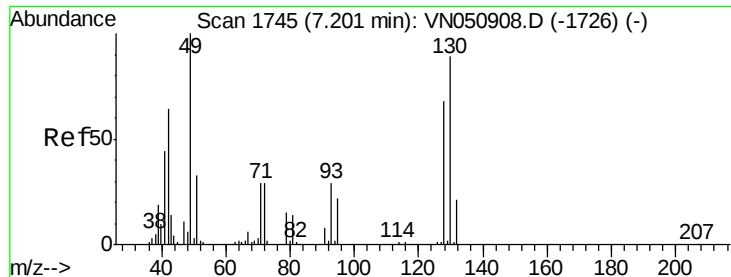
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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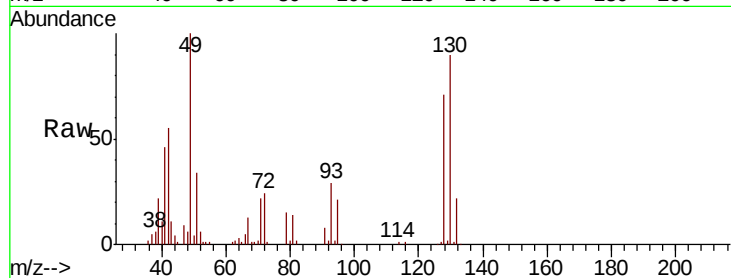
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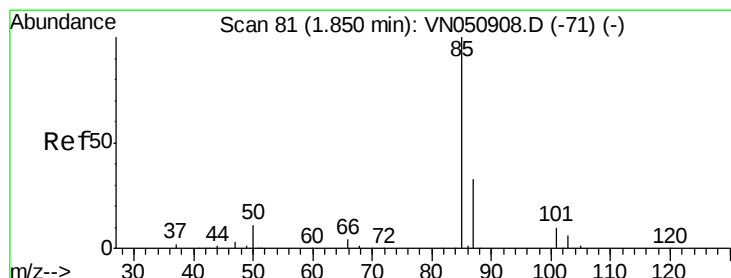
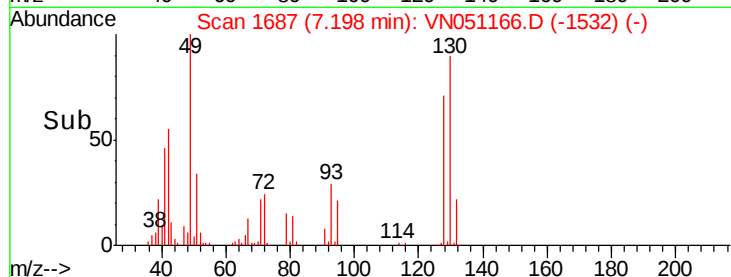
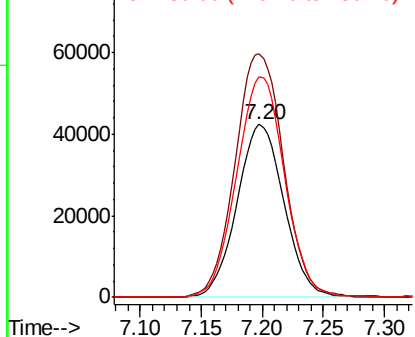
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 113067
Ion Ratio Lower Upper
128 100
49 146.2 0.0 380.3
130 131.2 0.0 325.3

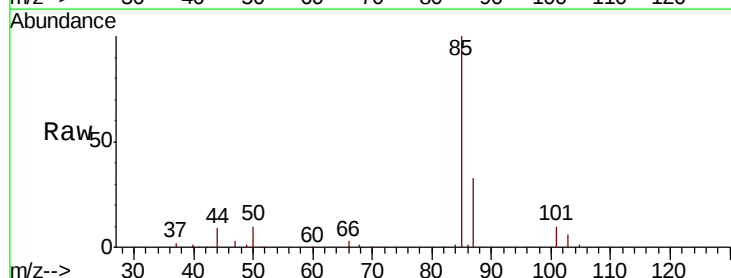


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

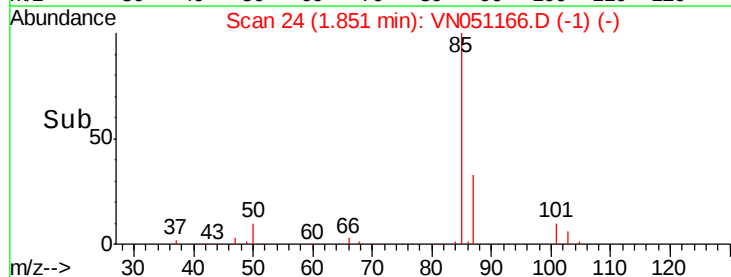
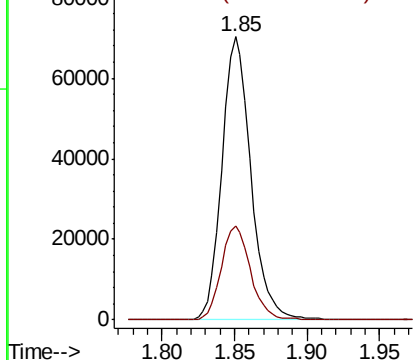


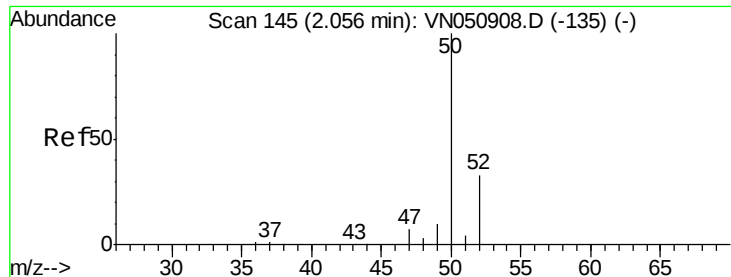
#2
Dichlorodifluoromethane
Concen: 13.85 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 85 Resp: 97242
Ion Ratio Lower Upper
85 100
87 33.2 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 15.92 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

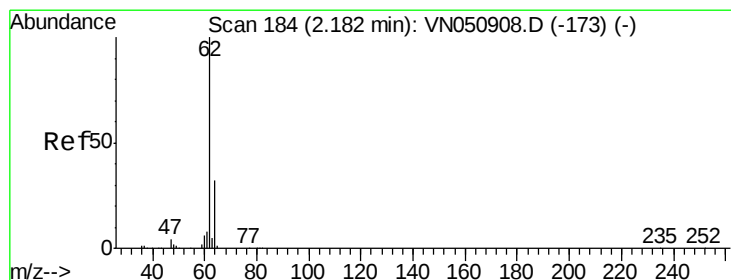
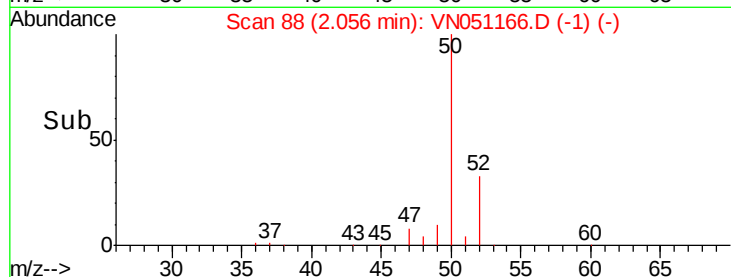
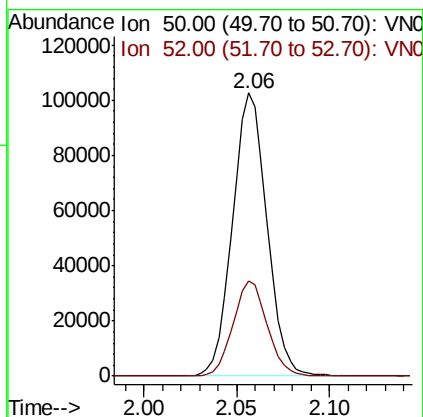
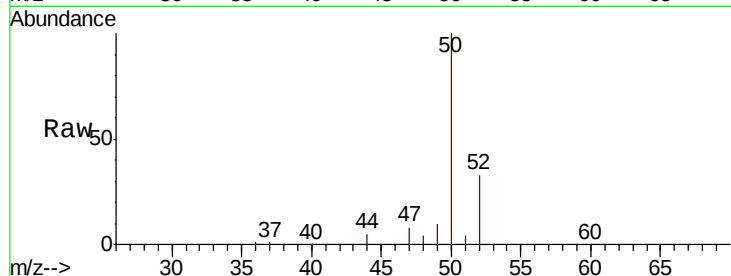
VSTDCCC020

Tot Ion: 50 Resp: 132008

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.4



#4

Vinyl Chloride

Concen: 16.39 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051166.D

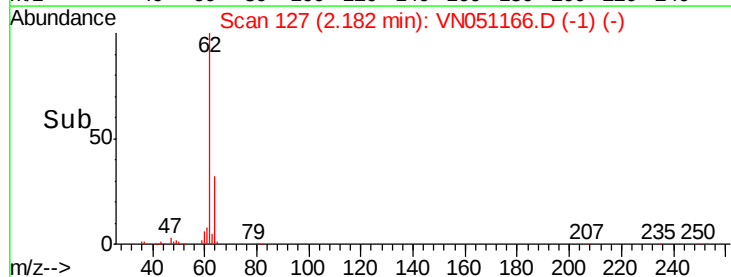
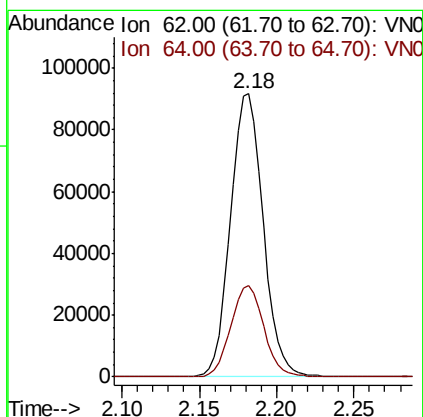
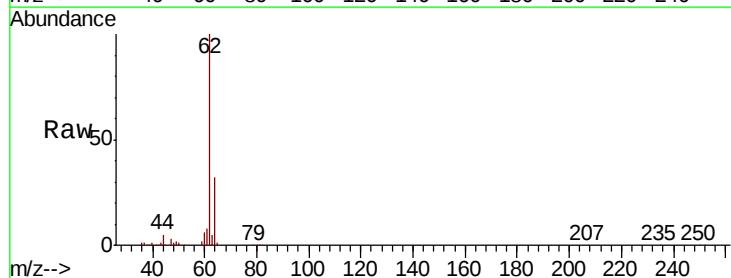
Acq: 13 Sep 2018 12:42

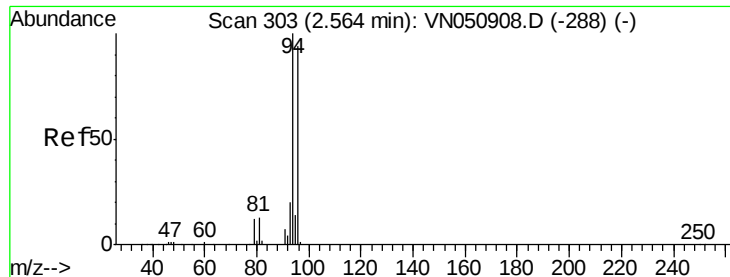
Tgt Ion: 62 Resp: 134261

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.0





#5

Bromomethane

Concen: 15.02 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

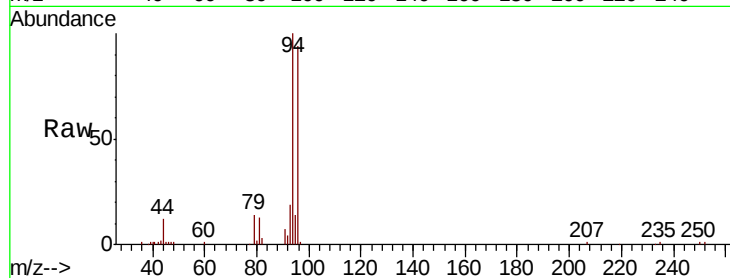
VSTDCCC020

Tot Ion: 94 Resp: 74997

Ion Ratio Lower Upper

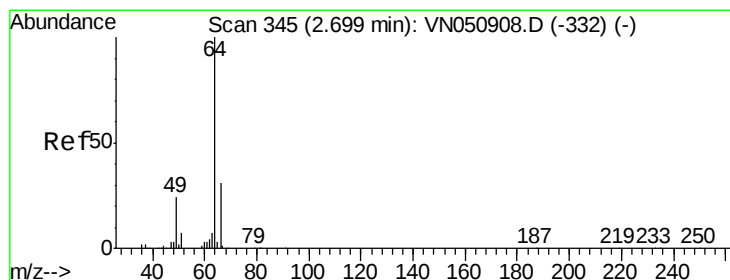
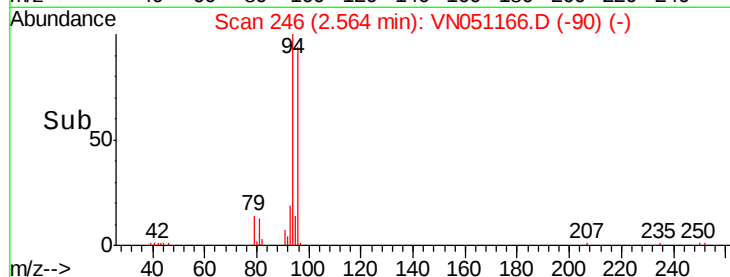
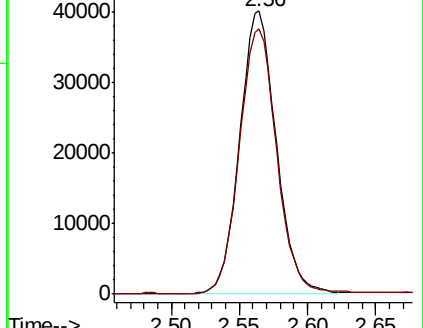
94 100

96 93.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN051166.D (-90) (-)

Ion 96.00 (95.70 to 96.70): VN051166.D (-90) (-)



#6

Chloroethane

Concen: 17.22 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051166.D

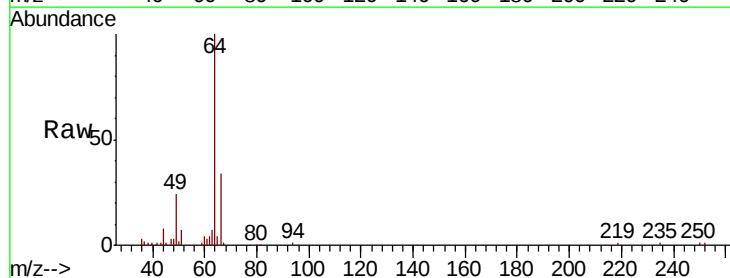
Acq: 13 Sep 2018 12:42

Tgt Ion: 64 Resp: 83197

Ion Ratio Lower Upper

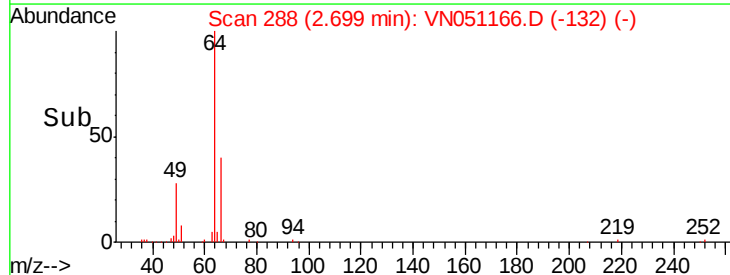
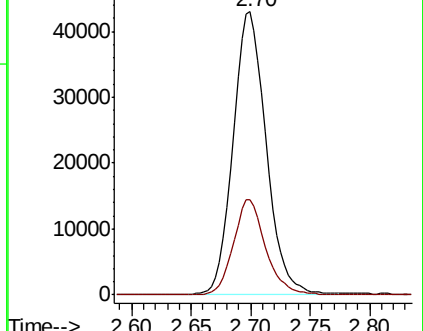
64 100

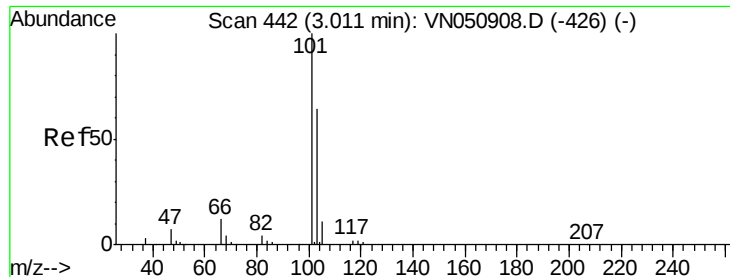
66 33.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN051166.D (-132) (-)

Ion 66.00 (65.70 to 66.70): VN051166.D (-132) (-)



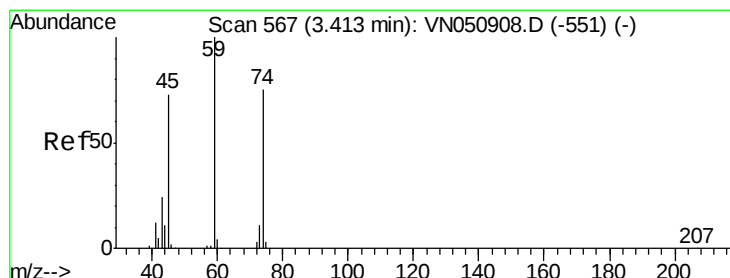
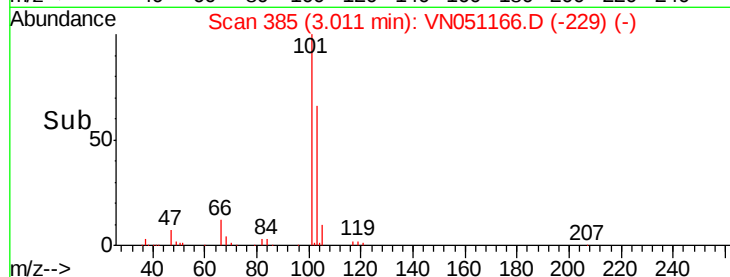
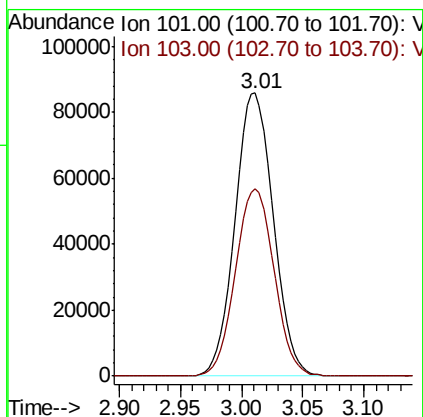
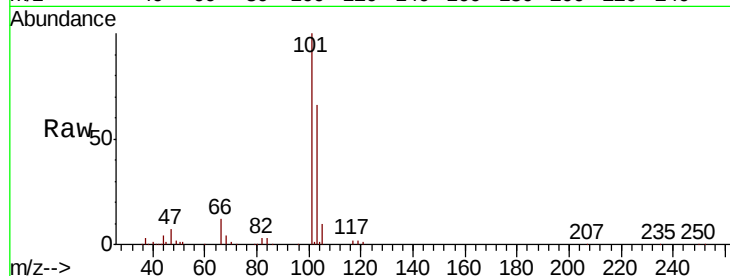


#7

Trichlorofluoromethane
 Concen: 17.23 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Instrument :
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 VSTDCCC020

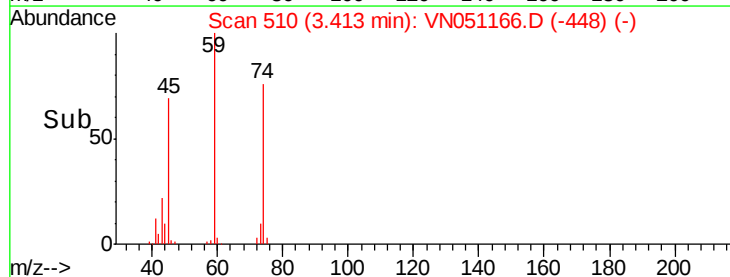
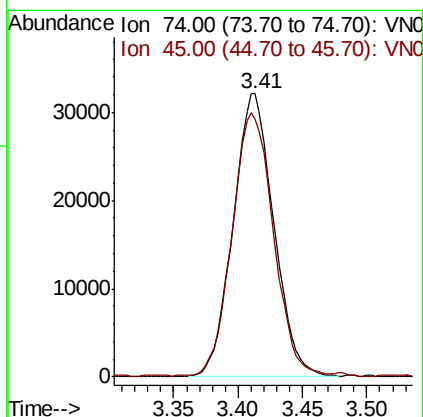
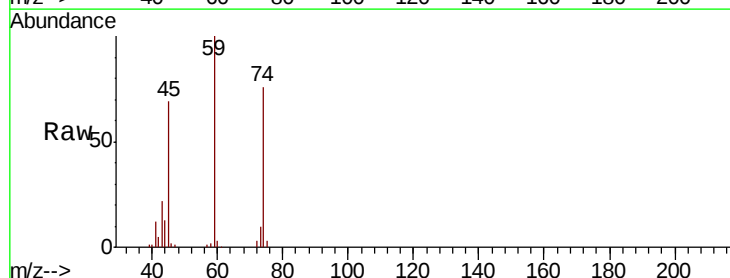
Tot Ion:101 Resp: 187102
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.3 76.9

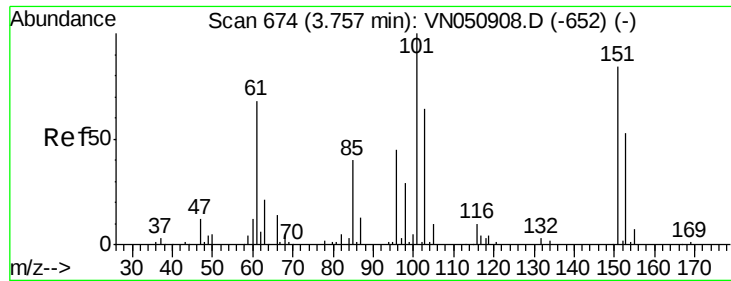


#8

Diethyl Ether
 Concen: 18.41 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 74 Resp: 70511
 Ion Ratio Lower Upper
 74 100
 45 93.7 19.7 177.1

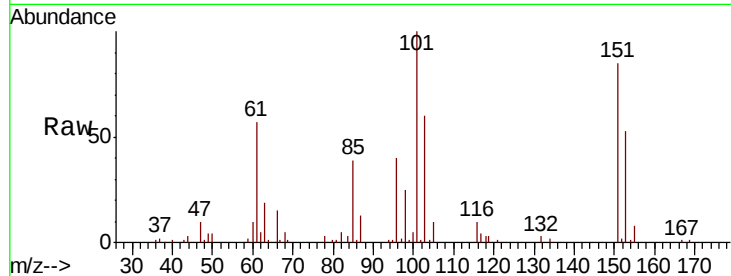




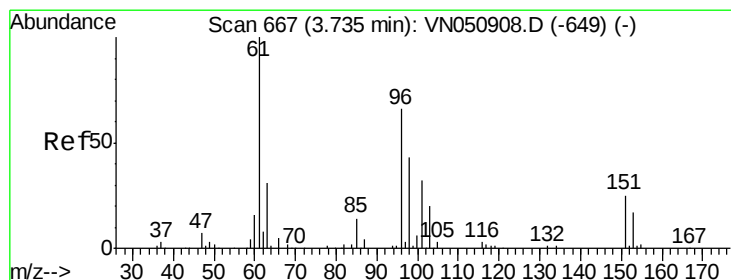
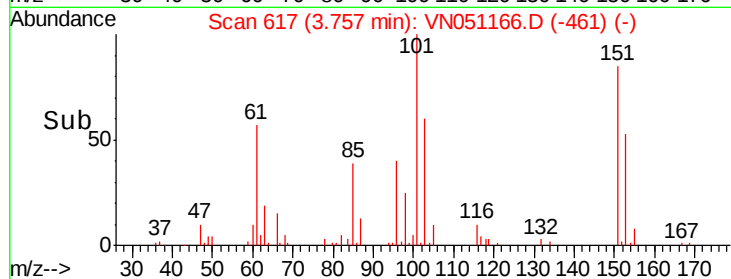
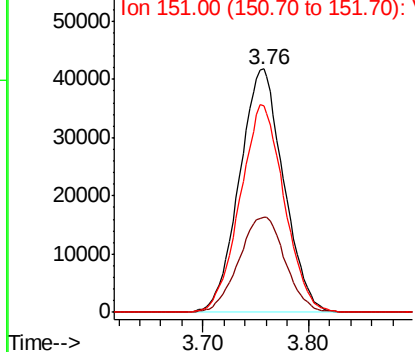
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.08 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051166.D
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Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 121625
 Ion Ratio Lower Upper
 101 100
 85 41.1 0.0 83.6
 151 85.1 0.0 167.0

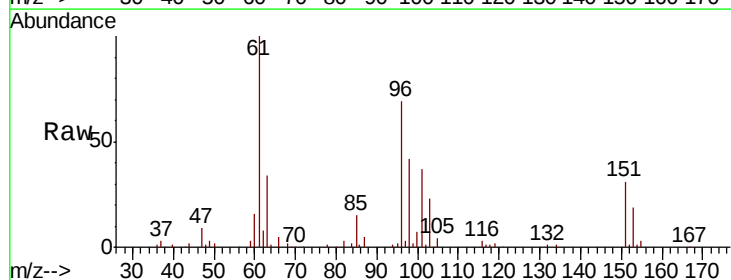


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

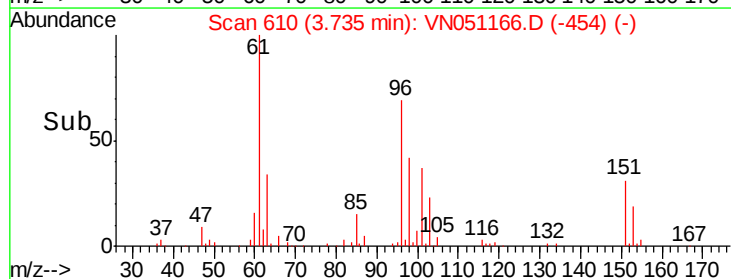
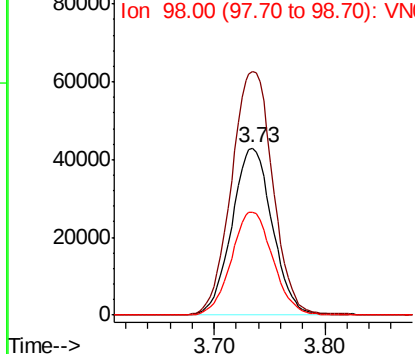


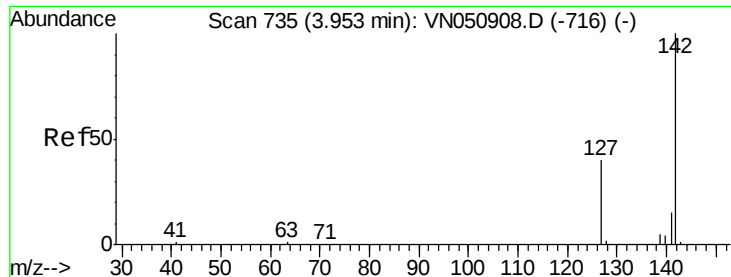
#10
 1,1-Dichloroethene
 Concen: 17.88 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 96 Resp: 109250
 Ion Ratio Lower Upper
 96 100
 61 145.3 121.8 182.8
 98 61.5 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

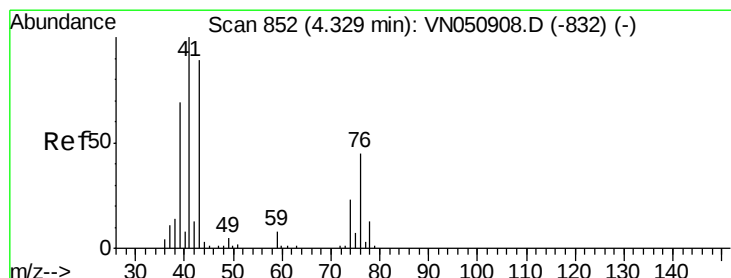
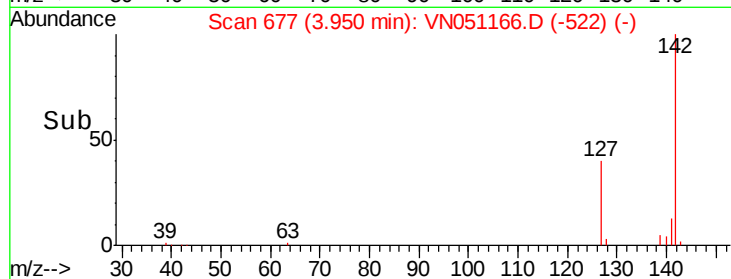
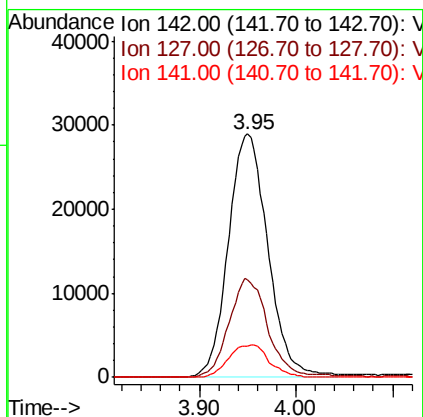
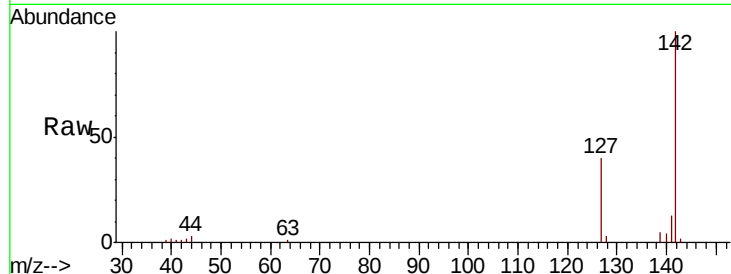




#11
Methvl Iodide
Concen: 14.46 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

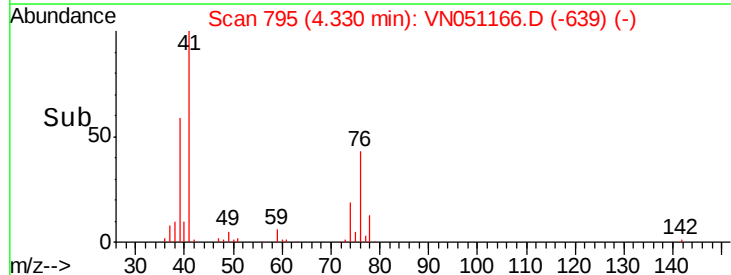
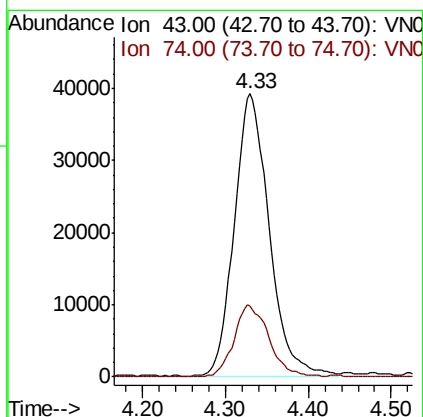
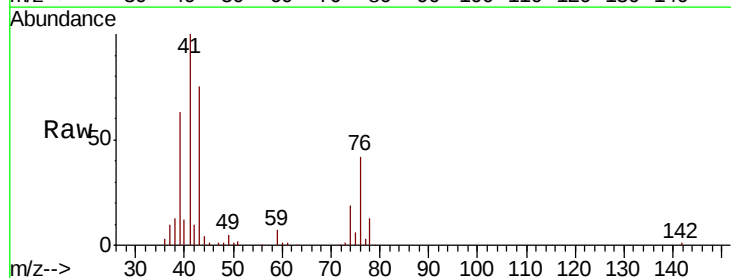
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

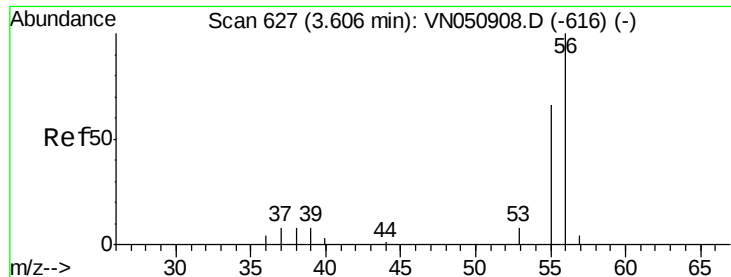
Tot Ion:142 Resp: 82424
Ion Ratio Lower Upper
142 100
127 40.2 19.7 59.1
141 12.9 7.3 22.0



#12
Methyl Acetate
Concen: 16.34 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 43 Resp: 115470
Ion Ratio Lower Upper
43 100
74 25.1 20.6 31.0





#13

Acrolein

Concen: 309.35 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

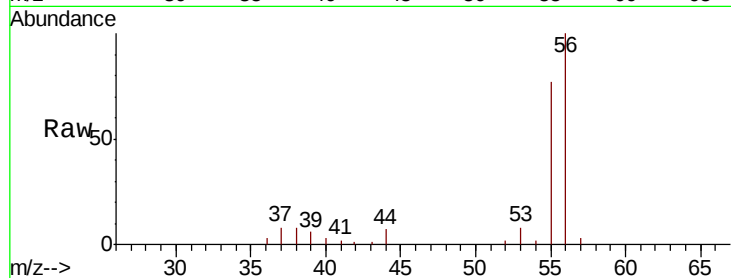
VSTDCCC020

Tot Ion: 56 Resp: 48392

Ion Ratio Lower Upper

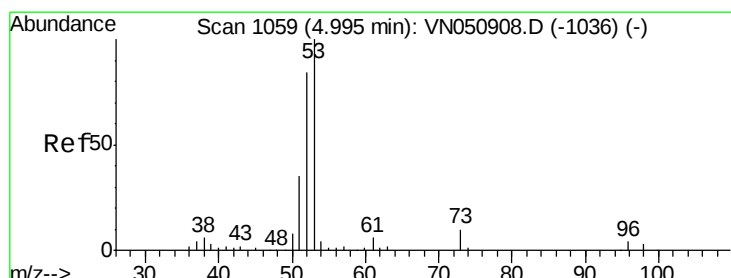
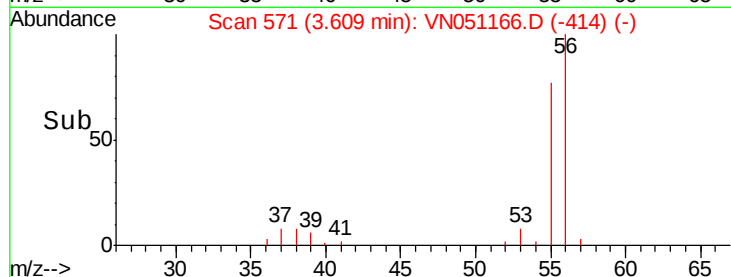
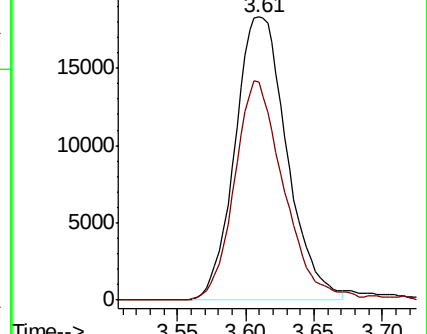
56 100

55 73.5 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 93.26 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

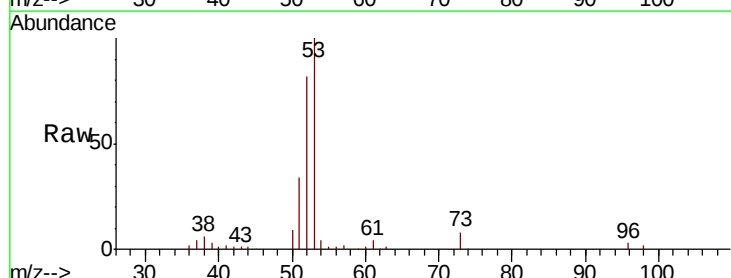
Tgt Ion: 53 Resp: 222759

Ion Ratio Lower Upper

53 100

52 82.5 42.2 126.6

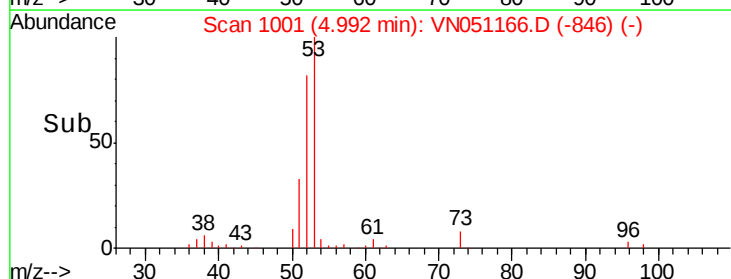
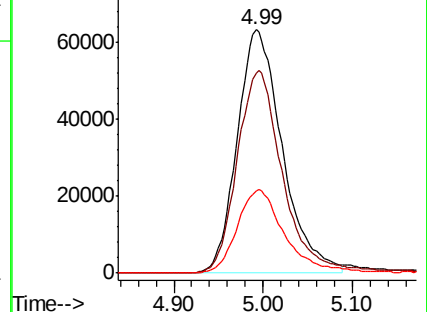
51 35.1 17.7 53.1

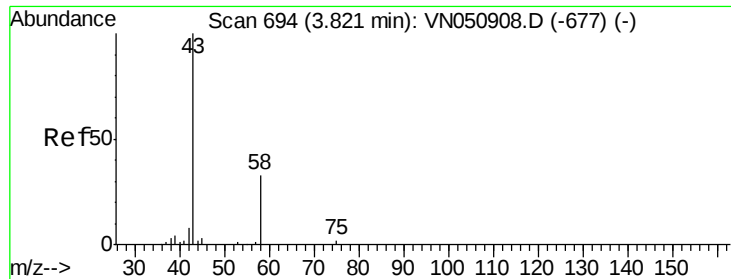


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 107.91 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

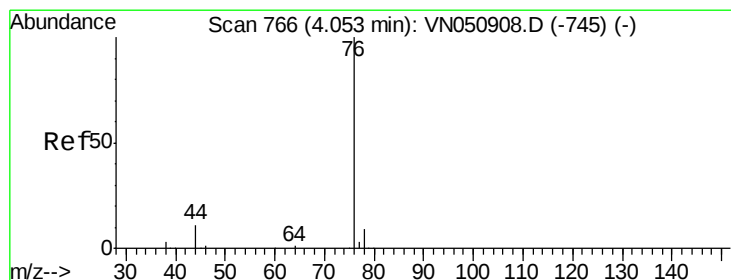
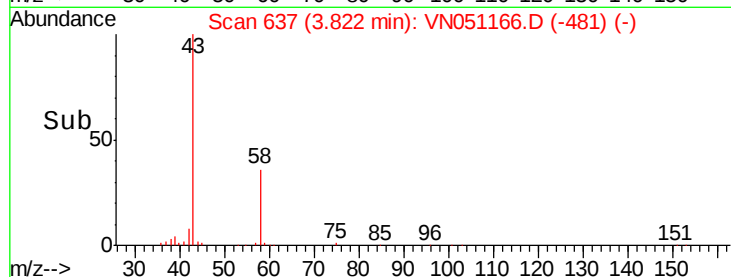
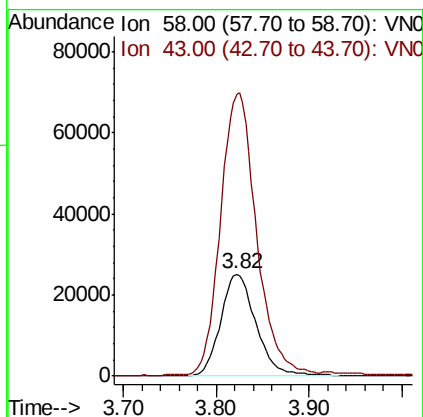
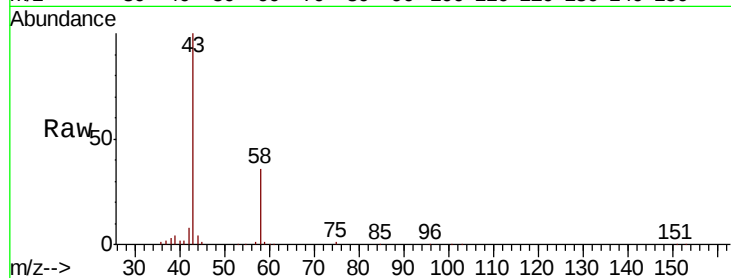
VSTDCCC020

Tot Ion: 58 Resp: 65955

Ion Ratio Lower Upper

58 100

43 275.2 239.4 359.0



#16

Carbon Disulfide

Concen: 16.86 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051166.D

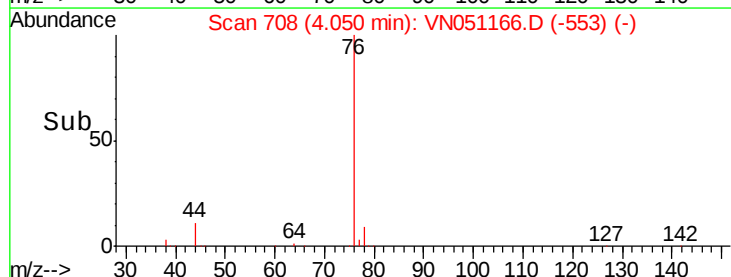
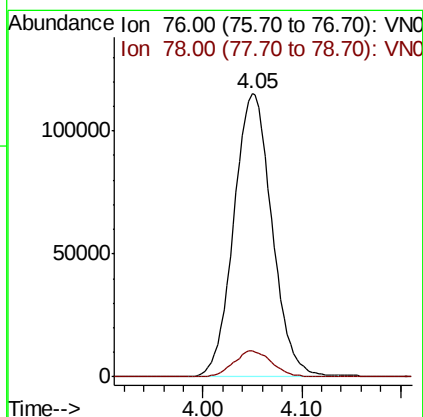
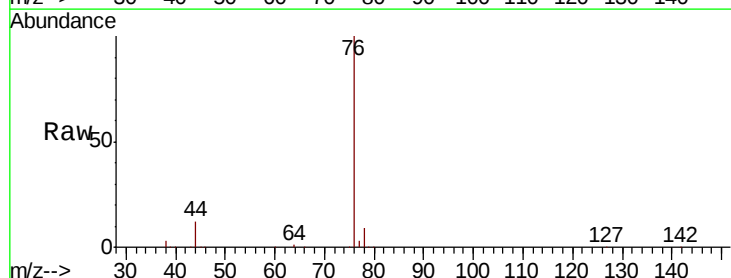
Acq: 13 Sep 2018 12:42

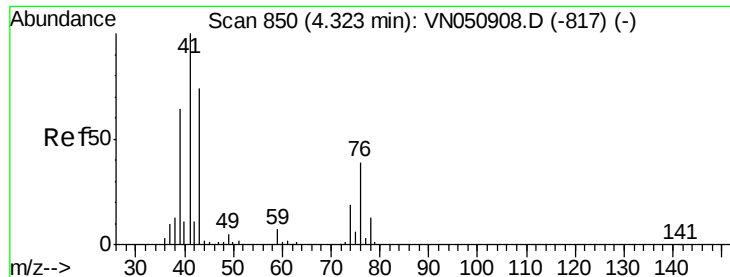
Tgt Ion: 76 Resp: 309654

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





#17

Allvl chloride

Concen: 17.80 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

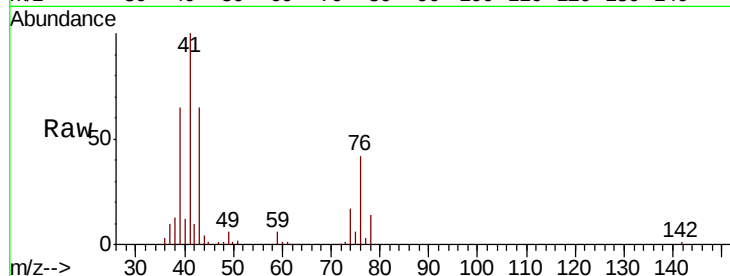
Tot Ion: 41 Resp: 171096

Ion Ratio Lower Upper

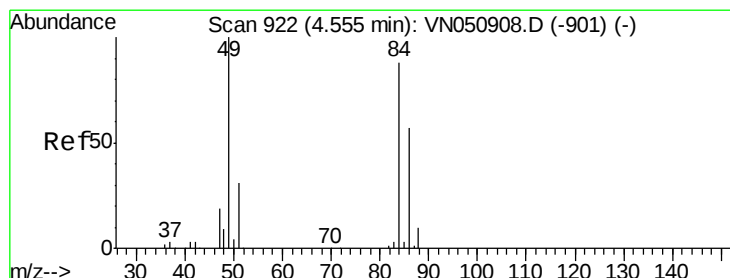
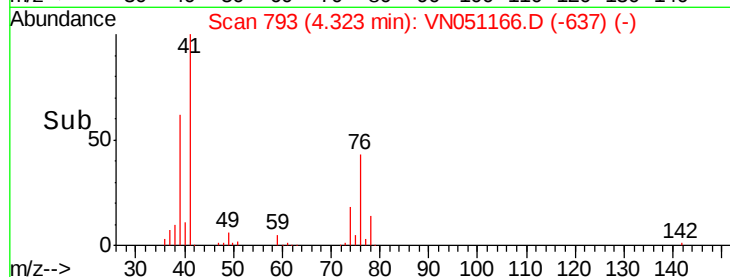
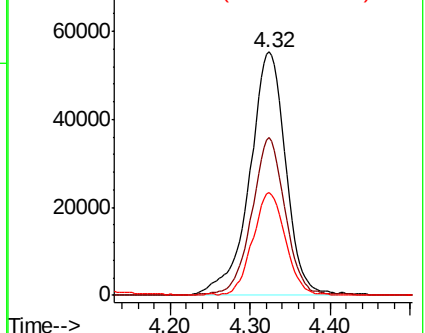
41 100

39 64.7 32.2 96.6

76 41.7 19.6 58.7



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 18.59 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Tgt Ion: 84 Resp: 133307

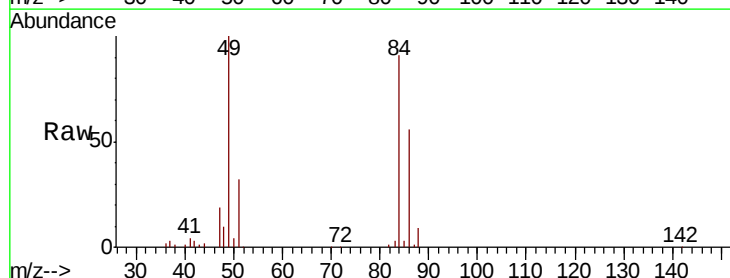
Ion Ratio Lower Upper

84 100

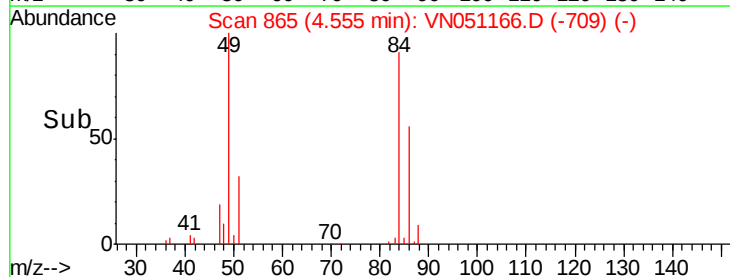
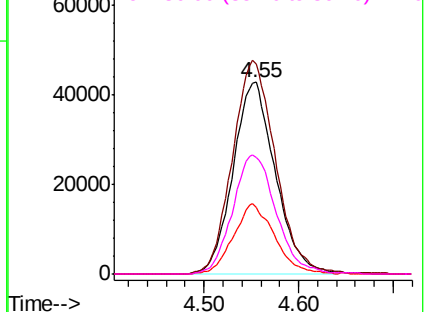
49 109.9 90.6 135.8

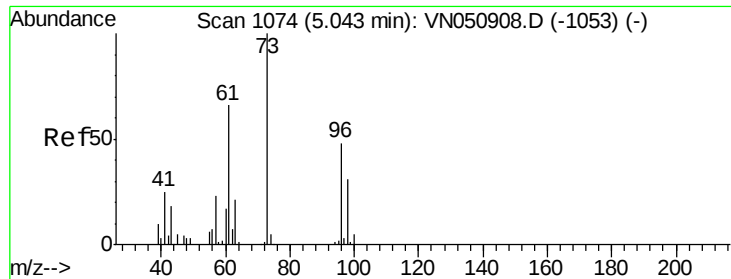
51 35.1 28.4 42.6

86 61.0 51.6 77.4



Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

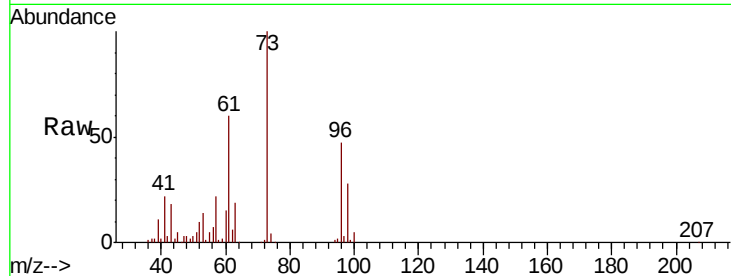




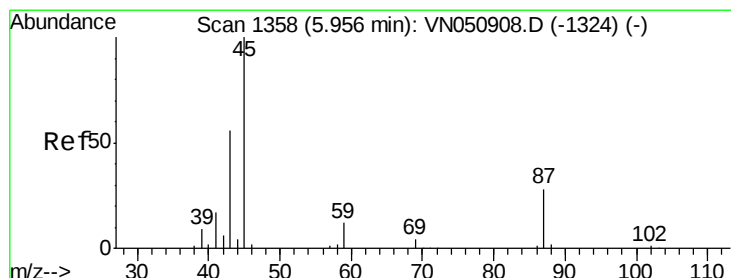
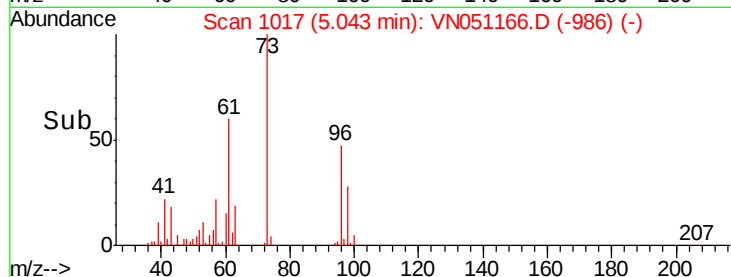
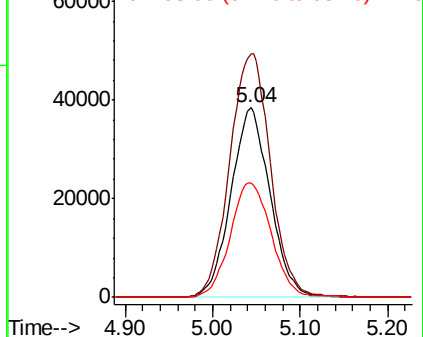
#19
trans-1,2-Dichloroethene
Concen: 18.29 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 119039
Ion Ratio Lower Upper
96 100
61 128.6 109.5 164.3
98 60.5 51.9 77.9

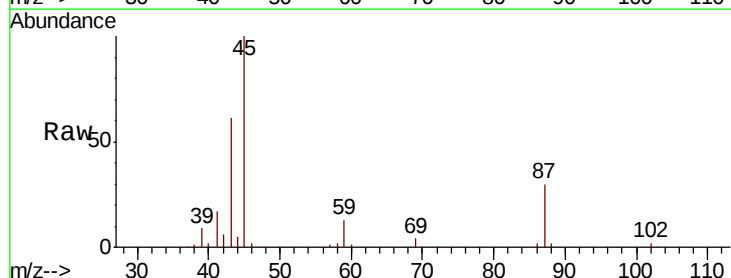


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

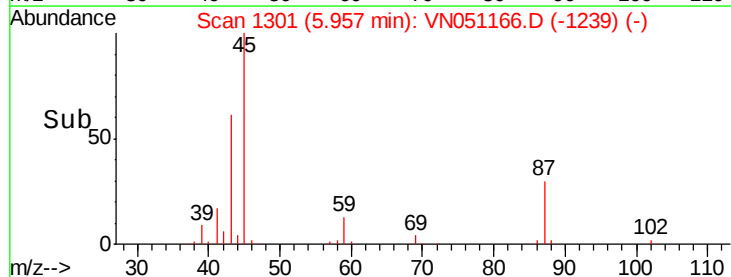
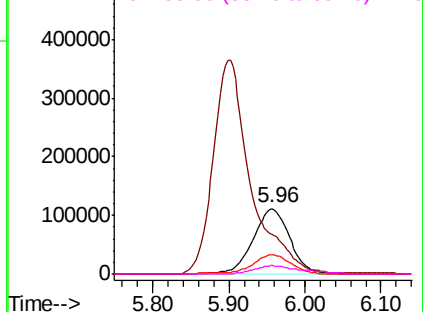


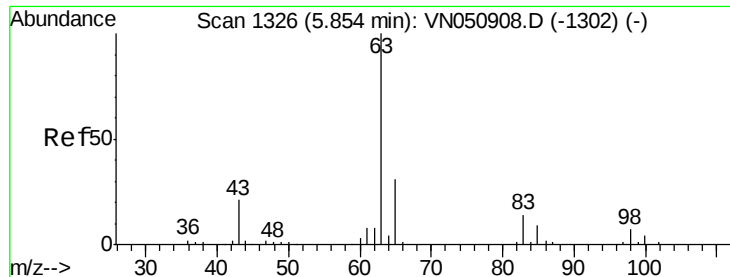
#20
Diisopropyl ether
Concen: 18.62 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 45 Resp: 371619
Ion Ratio Lower Upper
45 100
43 58.8 47.0 70.6
87 29.7 22.8 34.2
59 12.4 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

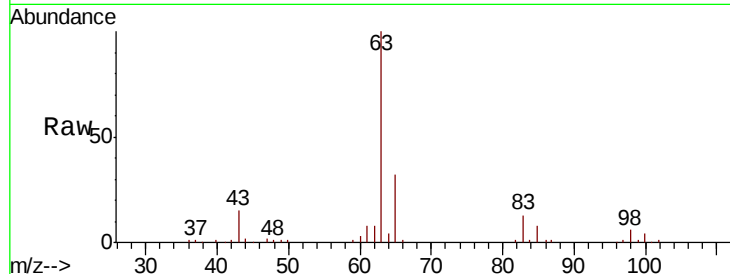




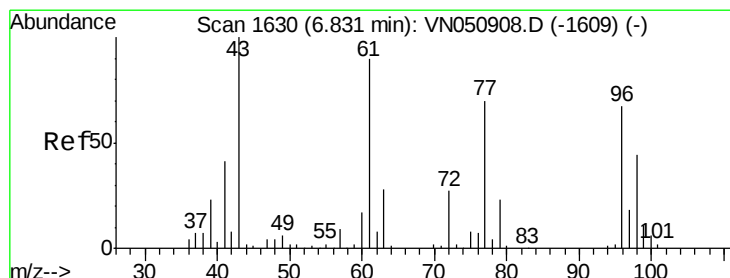
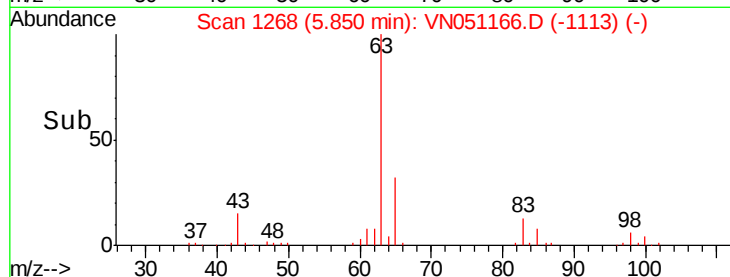
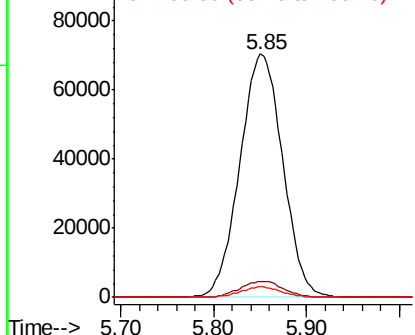
#21
 1,1-Dichloroethane
 Concen: 18.49 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 226270
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.3 2.0 6.0

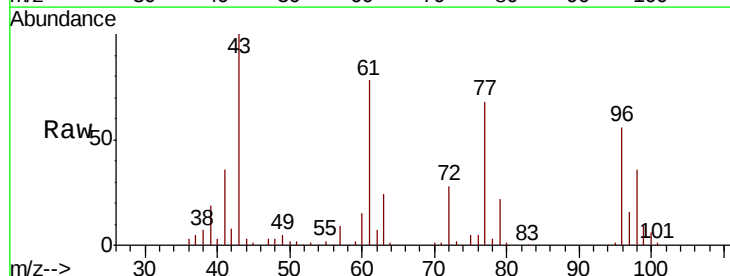


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

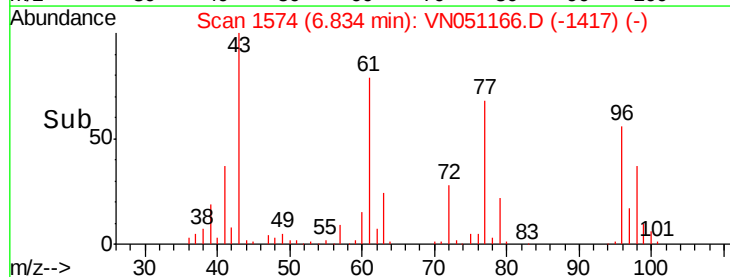
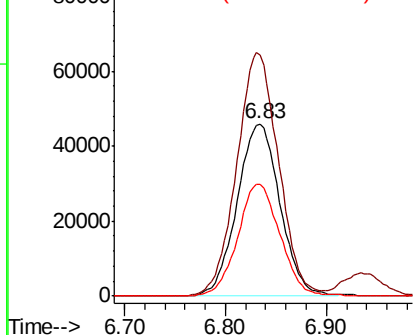


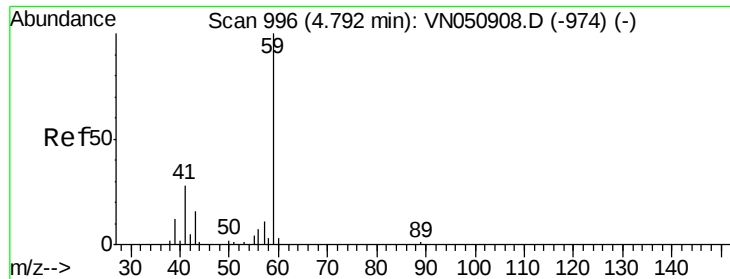
#22
 cis-1,2-Dichloroethene
 Concen: 18.39 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 96 Resp: 135248
 Ion Ratio Lower Upper
 96 100
 61 137.9 110.0 165.0
 98 64.2 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0

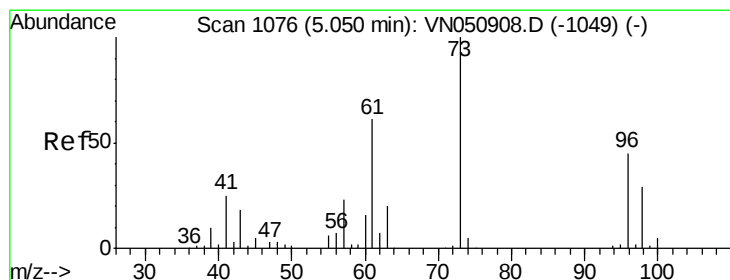
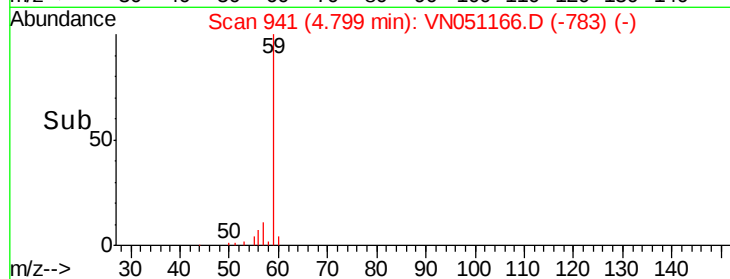
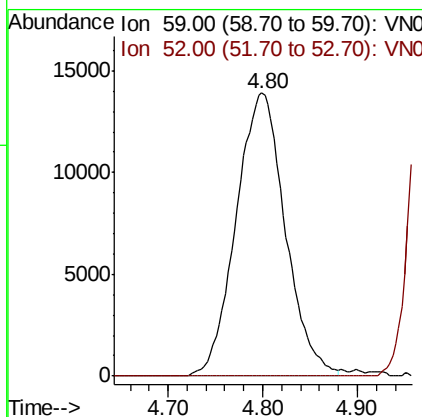
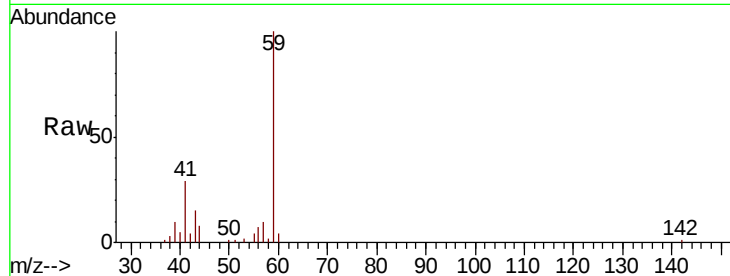




#23
 tert-Butyl Alcohol
 Concen: 98.85 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

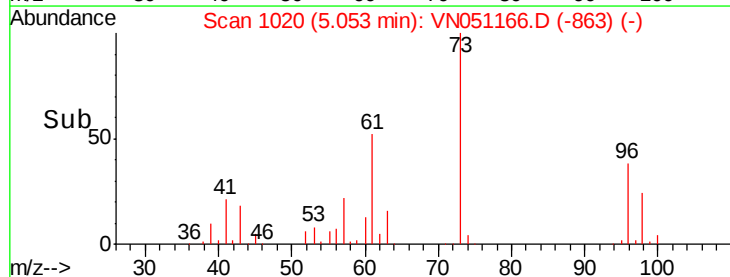
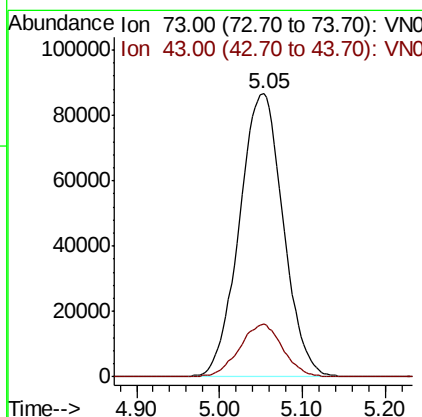
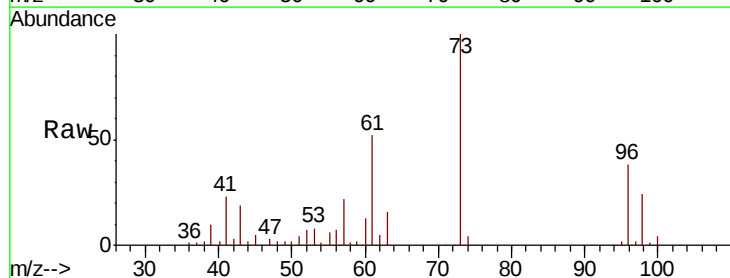
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

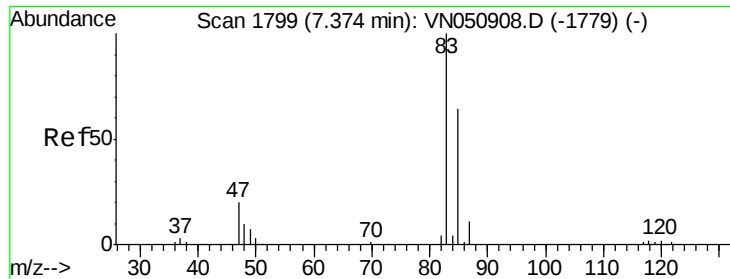
Tot Ion: 59 Resp: 50214
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 19.06 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 73 Resp: 318534
 Ion Ratio Lower Upper
 73 100
 43 18.1 14.4 21.6

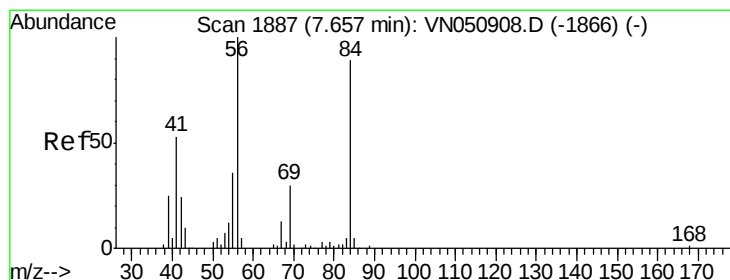
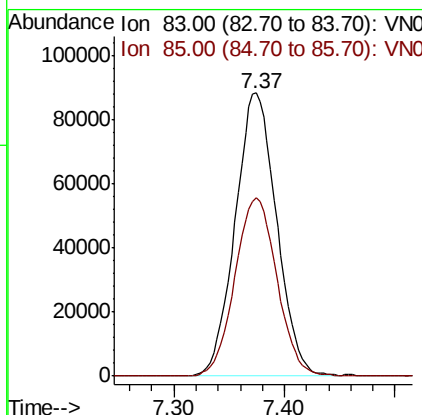
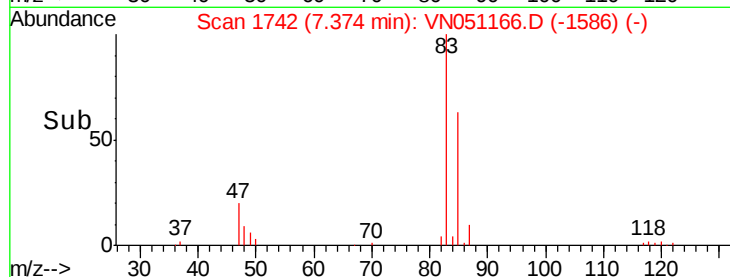
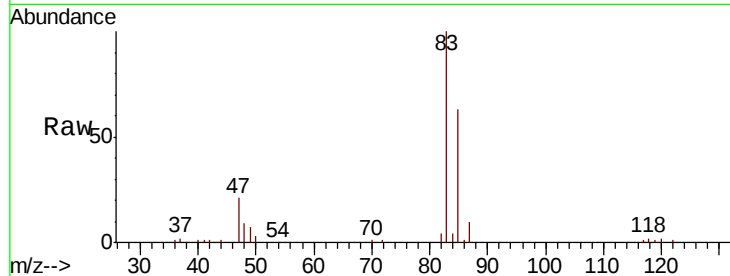




#25
Chloroform
Concen: 18.79 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

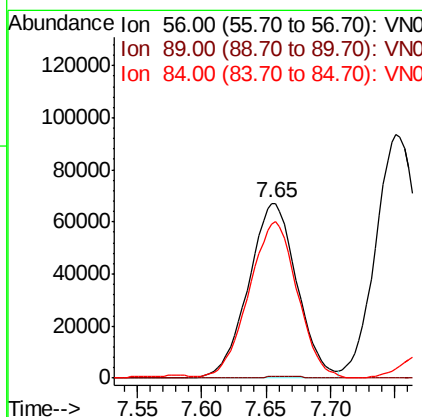
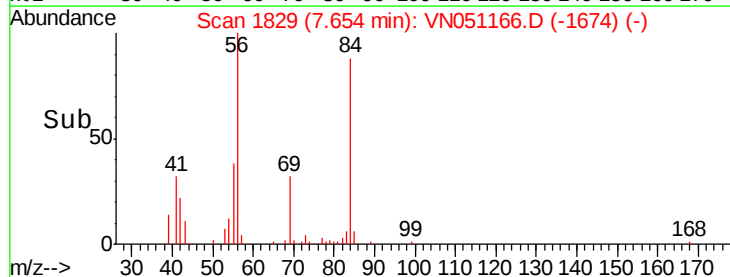
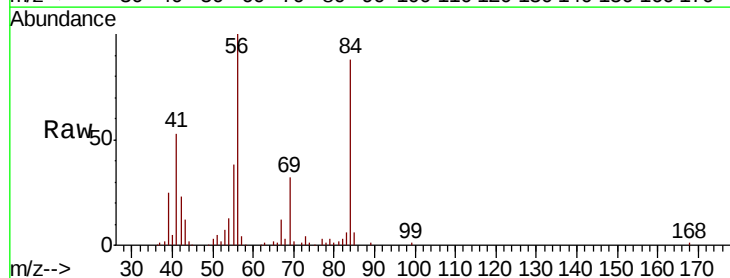
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

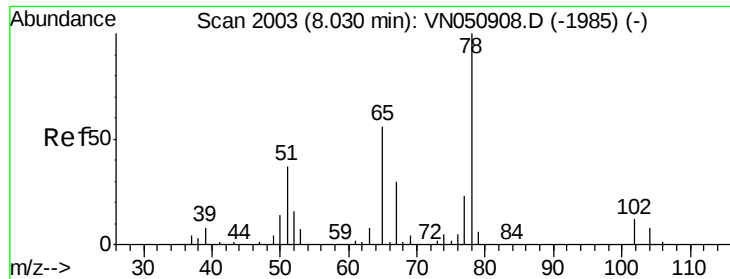
Tot Ion: 83 Resp: 229481
Ion Ratio Lower Upper
83 100
85 62.8 51.4 77.0



#26
Cyclohexane
Concen: 17.34 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 56 Resp: 175716
Ion Ratio Lower Upper
56 100
89 0.9 0.4 0.6#
84 89.6 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.37 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

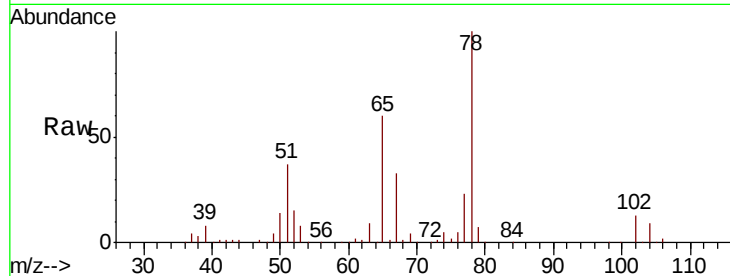
VSTDCCC020

Tot Ion: 65 Resp: 211920

Ion Ratio Lower Upper

65 100

67 55.5 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN051166.D (-1946) (-)

Ion 67.00 (66.70 to 67.70): VN051166.D (-1946) (-)

8.03

100000

80000

60000

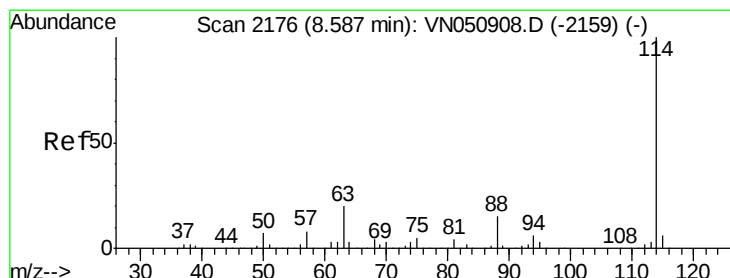
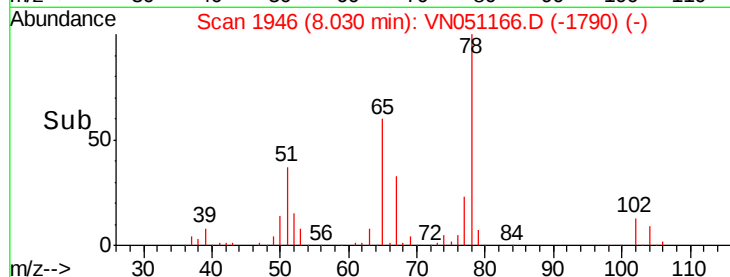
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

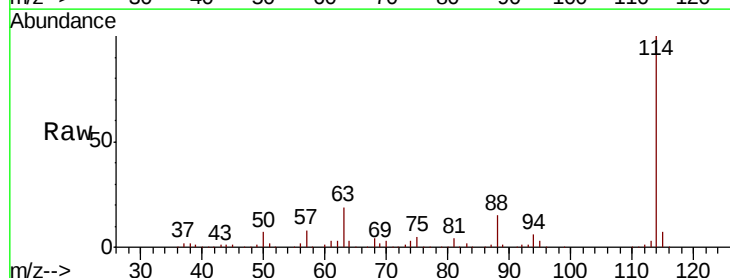
Tgt Ion: 114 Resp: 615558

Ion Ratio Lower Upper

114 100

63 18.9 15.6 23.4

88 15.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051166.D (-2119) (-)

Ion 63.00 (62.70 to 63.70): VN051166.D (-2119) (-)

Ion 88.00 (87.70 to 88.70): VN051166.D (-2119) (-)

8.59

400000

300000

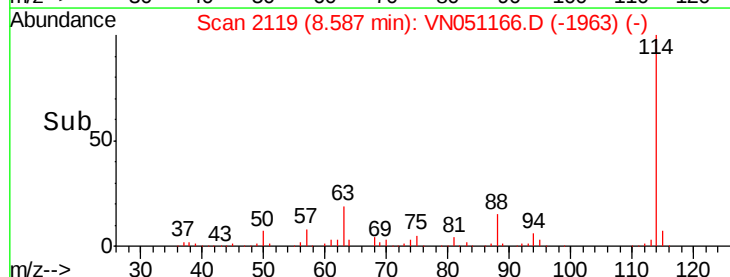
200000

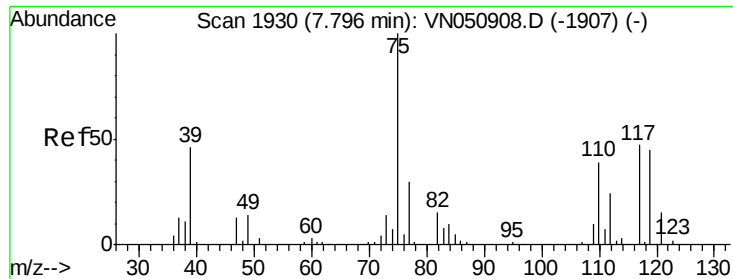
100000

0

8.50 8.60 8.70

Time-->

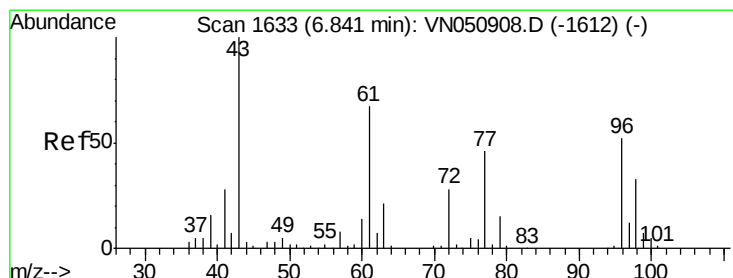
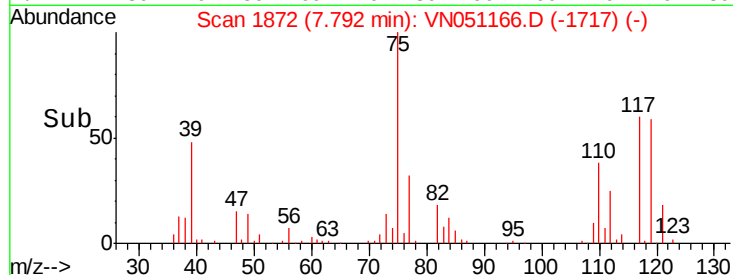
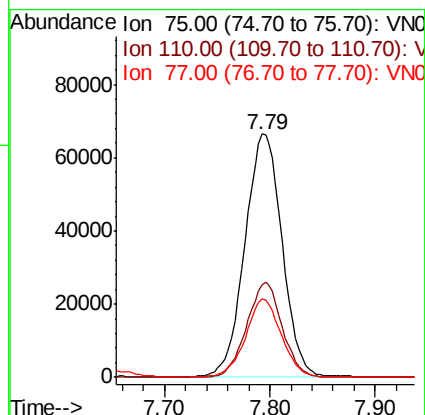
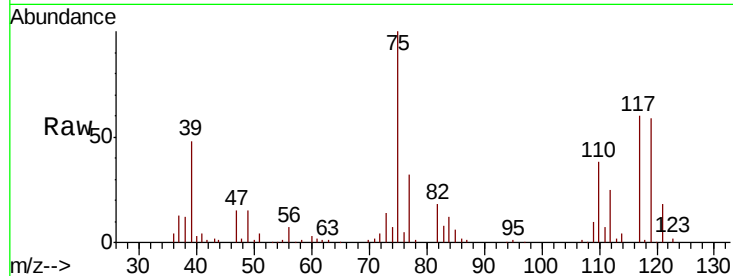




#29
 1,1-Dichloropropene
 Concen: 17.79 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

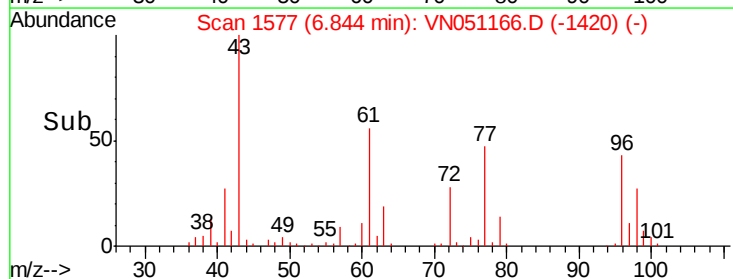
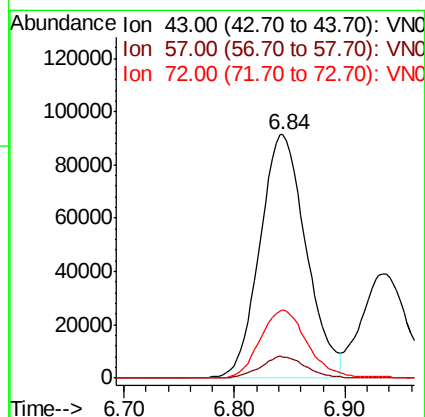
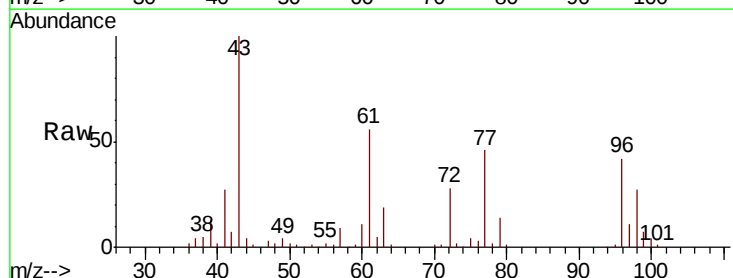
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

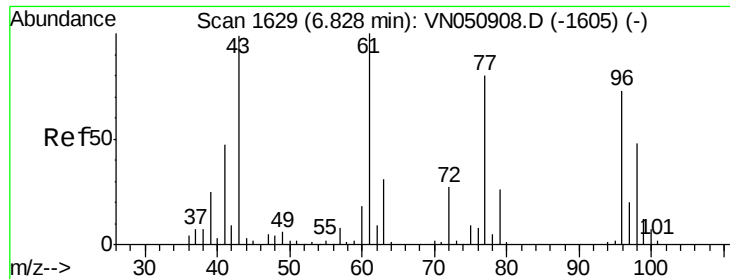
Tot Ion: 75 Resp: 163957
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 75.0
 77 31.0 0.0 60.6



#30
 2-Butanone
 Concen: 93.88 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 43 Resp: 266161
 Ion Ratio Lower Upper
 43 100
 57 8.6 6.9 10.3
 72 28.5 22.8 34.2

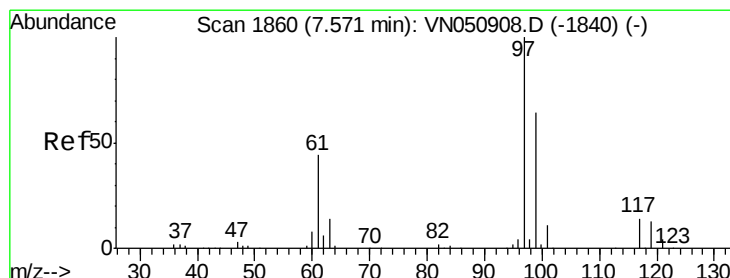
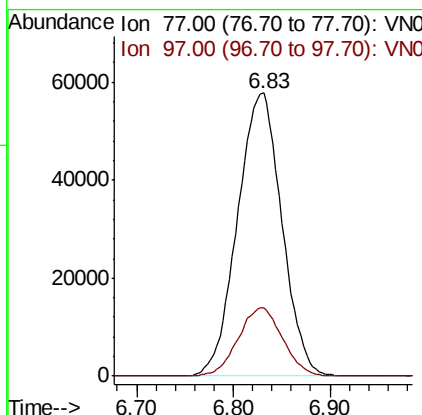
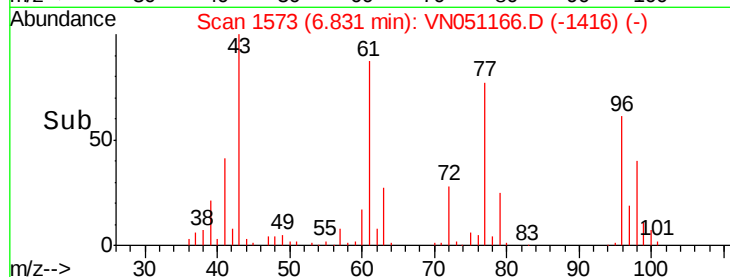
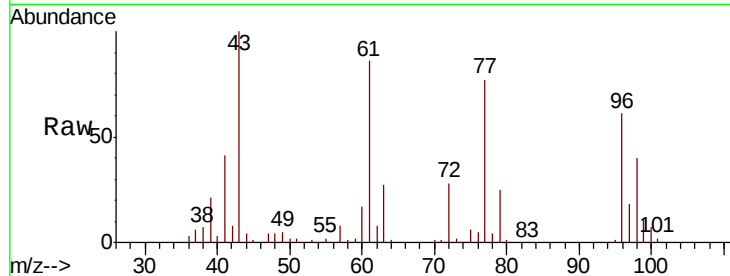




#31
 2,2-Dichloropropane
 Concen: 20.52 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

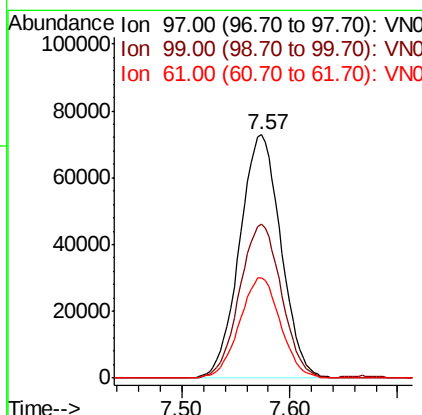
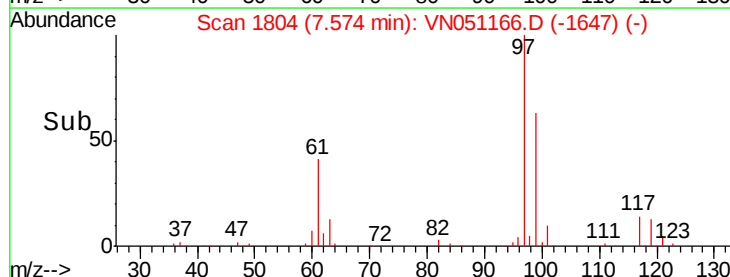
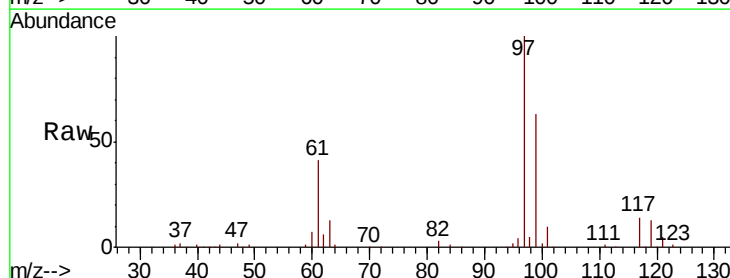
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

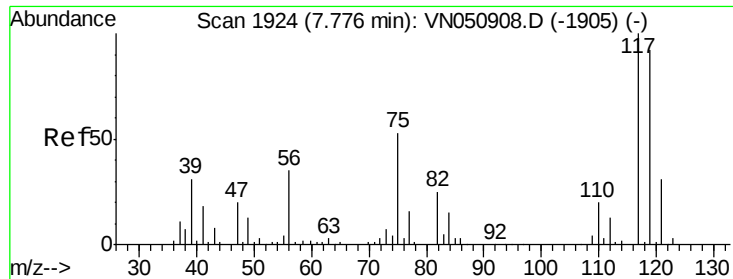
Tot Ion: 77 Resp: 184015
 Ion Ratio Lower Upper
 77 100
 97 24.1 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 18.58 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 97 Resp: 194182
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.0 78.0
 61 41.0 35.0 52.6

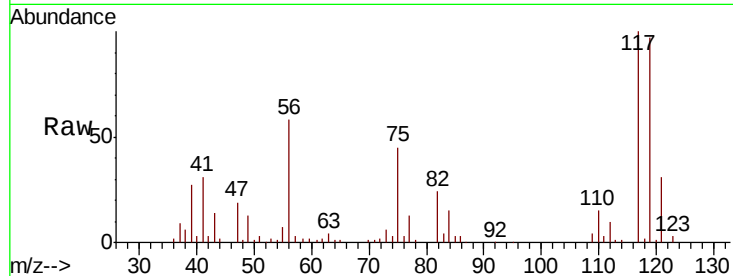




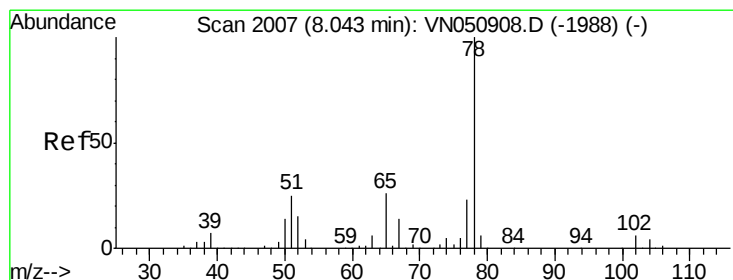
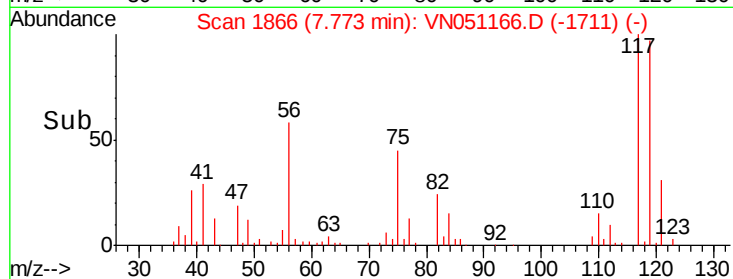
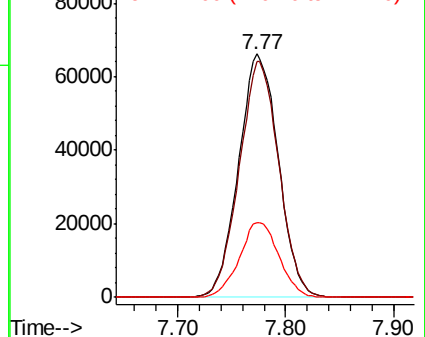
#33
Carbon Tetrachloride
Concen: 18.04 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 169795
Ion Ratio Lower Upper
117 100
119 96.8 73.5 110.3
121 30.9 24.6 37.0

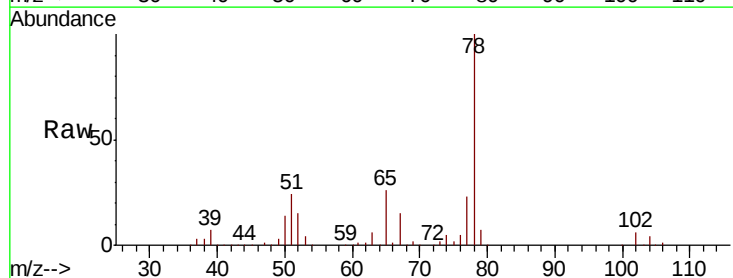


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

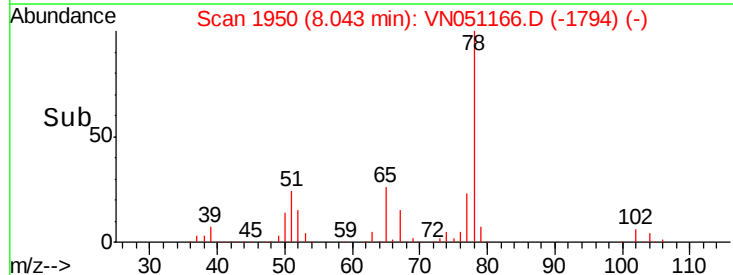
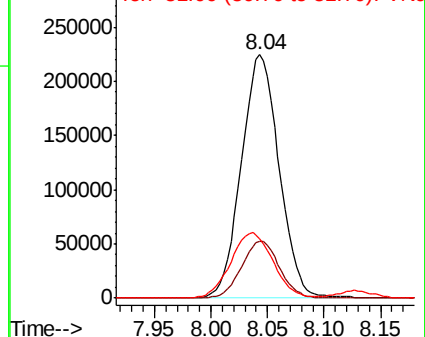


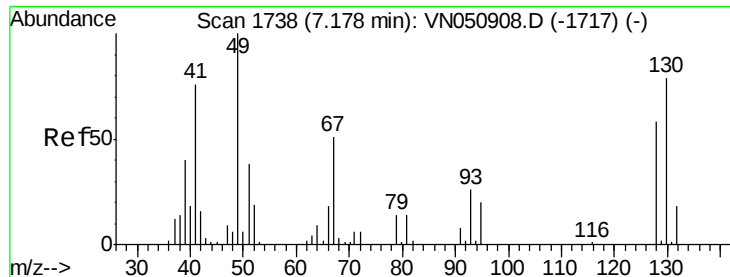
#34
Benzene
Concen: 18.33 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 78 Resp: 522488
Ion Ratio Lower Upper
78 100
77 23.5 18.6 28.0
51 24.1 20.0 30.0



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

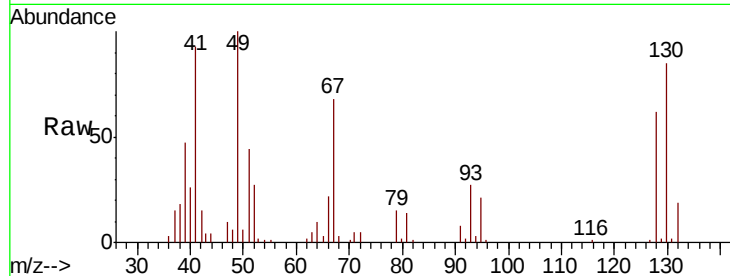




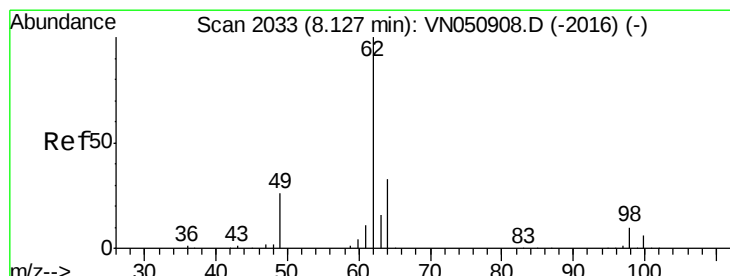
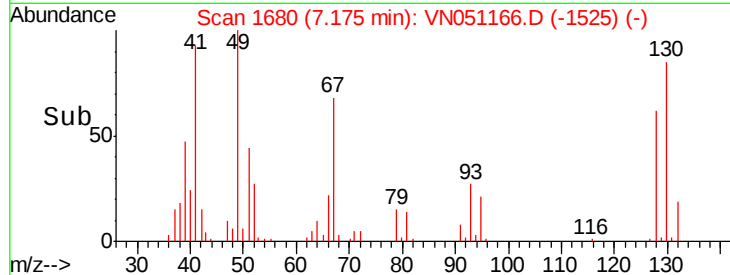
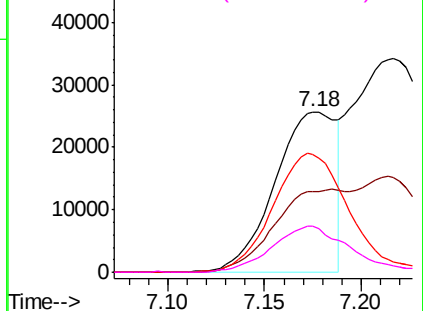
#35
Methacrylonitrile
Concen: 18.34 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 41 Resp: 56954
Ion Ratio Lower Upper
41 100
39 50.2 26.2 78.5
67 73.2 33.9 101.6
52 28.8 12.5 37.5

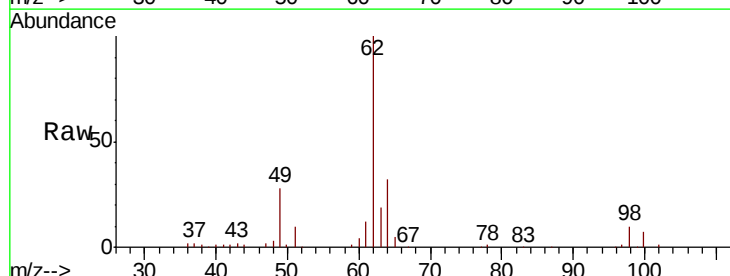


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

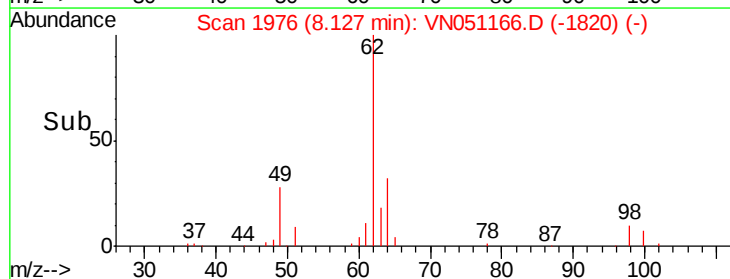
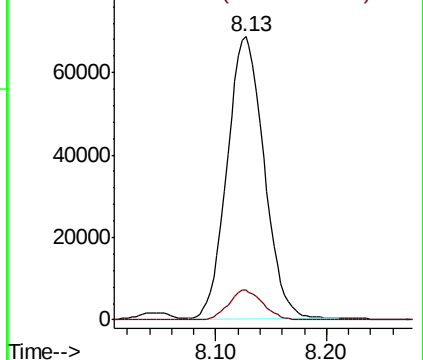


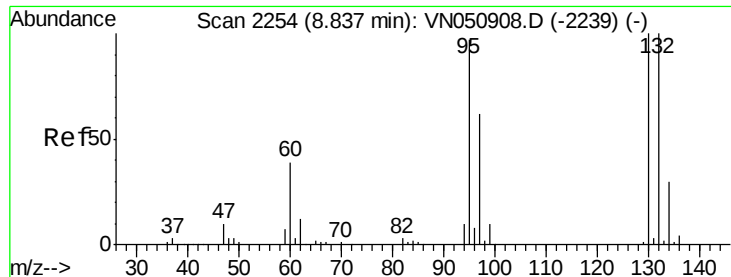
#36
1,2-Dichloroethane
Concen: 18.41 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 62 Resp: 158732
Ion Ratio Lower Upper
62 100
98 9.7 8.0 12.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

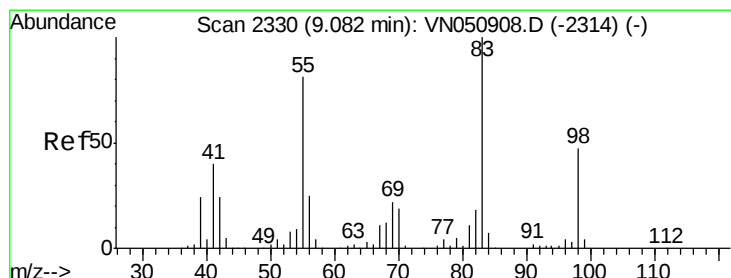
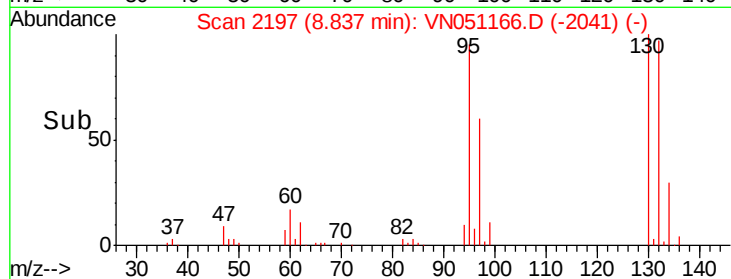
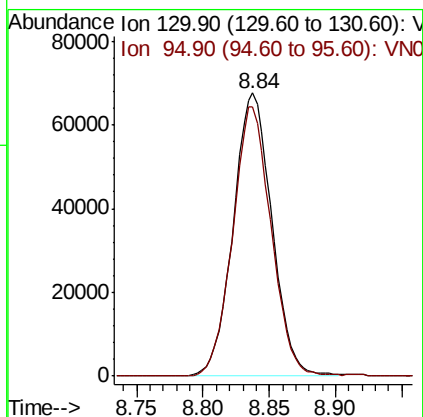
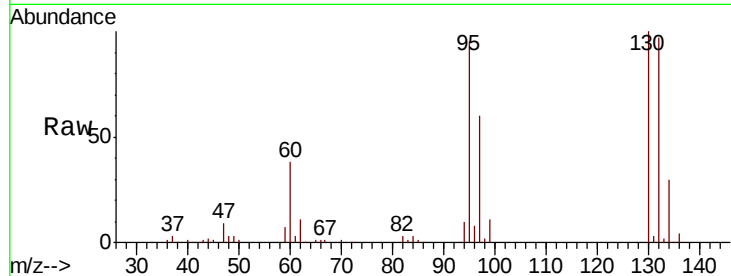




#37
 Trichloroethene
 Concen: 18.38 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

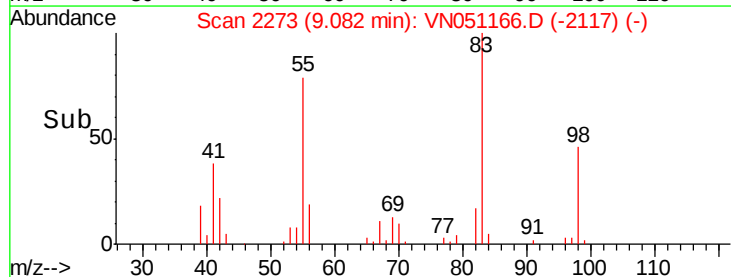
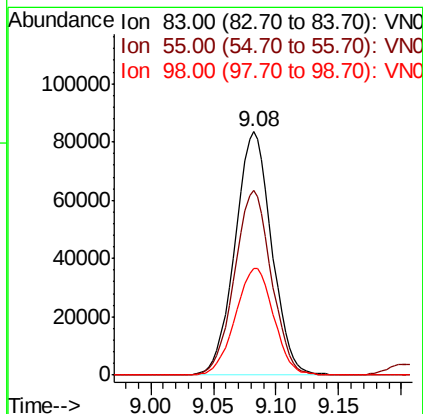
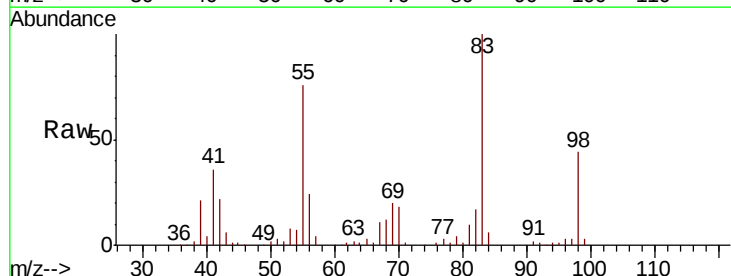
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

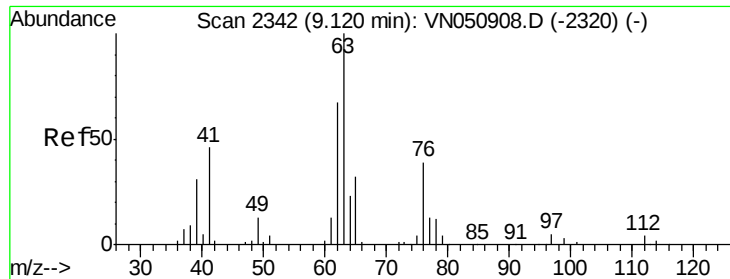
Tot Ion:130 Resp: 136979
 Ion Ratio Lower Upper
 130 100
 95 95.1 77.4 116.0



#38
 Methylcyclohexane
 Concen: 17.17 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 83 Resp: 169963
 Ion Ratio Lower Upper
 83 100
 55 76.0 38.9 116.7
 98 45.8 22.9 68.7





#39

1,2-Dichloropropane

Concen: 18.52 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

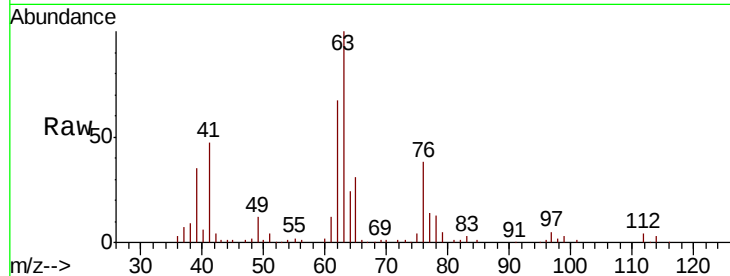
VSTDCCC020

Tot Ion: 63 Resp: 137920

Ion Ratio Lower Upper

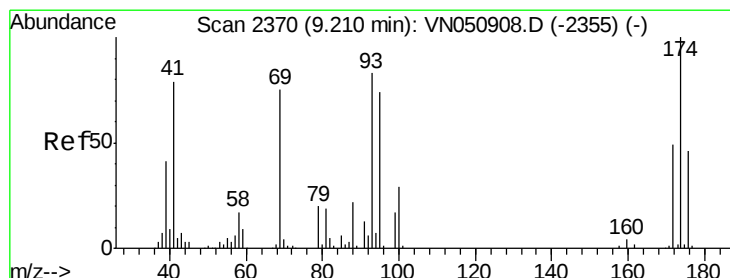
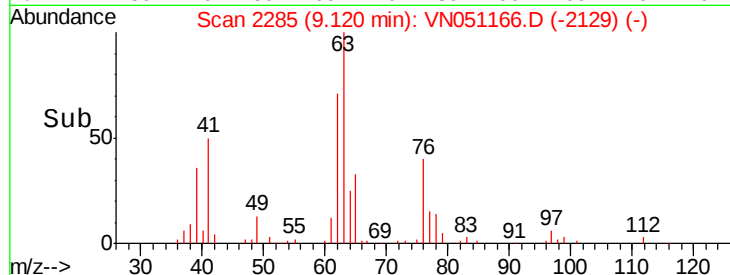
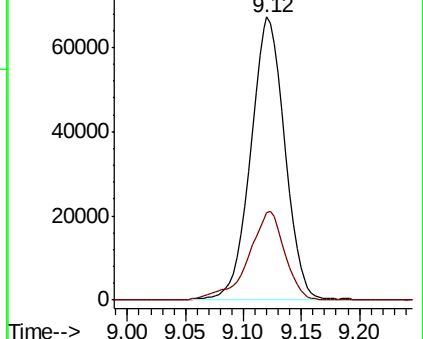
63 100

65 30.9 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.73 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

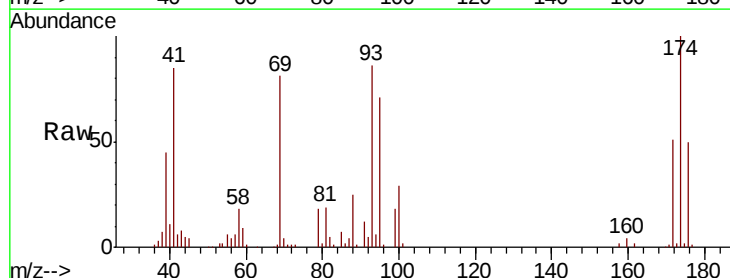
Tgt Ion: 93 Resp: 84015

Ion Ratio Lower Upper

93 100

95 82.5 0.0 173.4

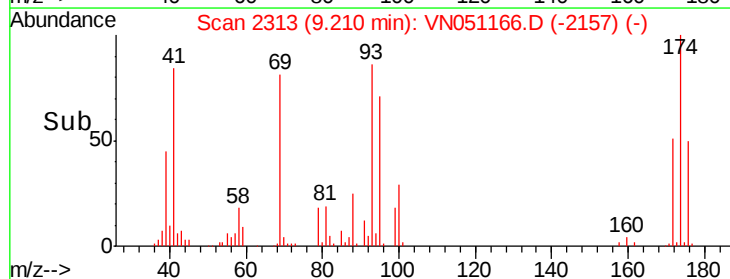
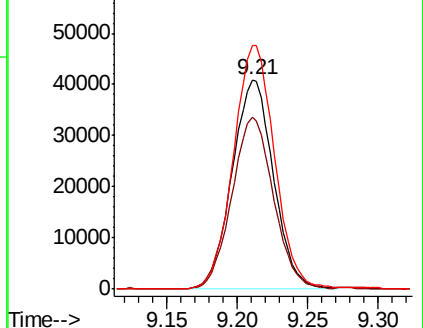
174 116.1 0.0 234.8

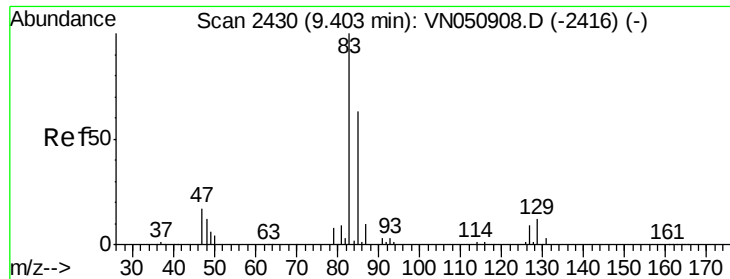


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.47 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

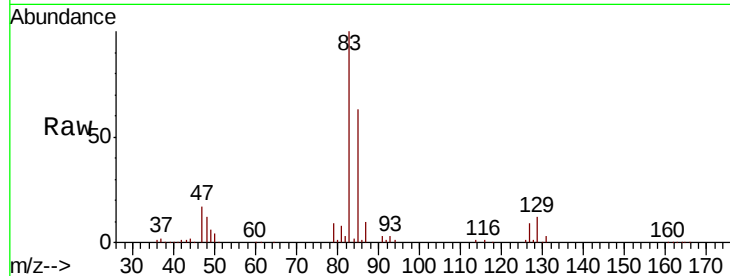
Tot Ion: 83 Resp: 174627

Ion Ratio Lower Upper

83 100

85 63.1 50.6 76.0

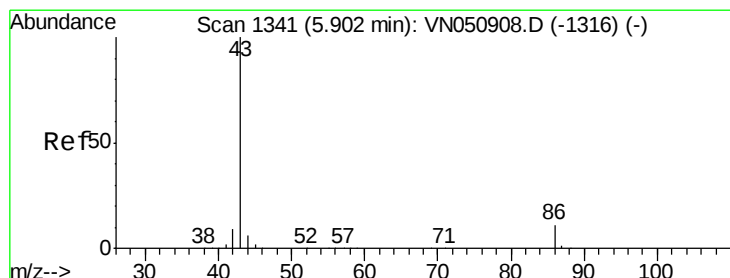
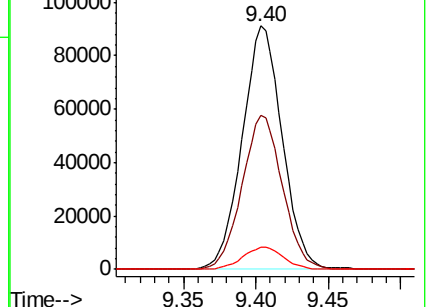
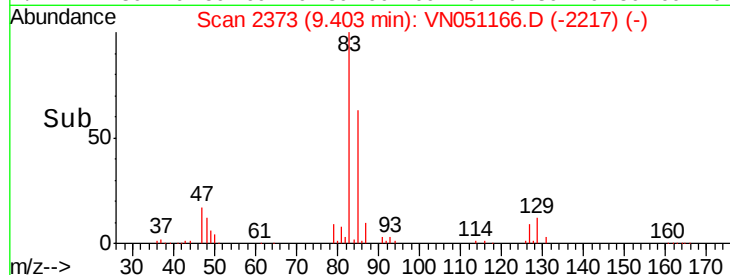
127 9.0 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051166.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051166.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051166.D (-2217) (-)



#42

Vinyl Acetate

Concen: 95.61 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051166.D

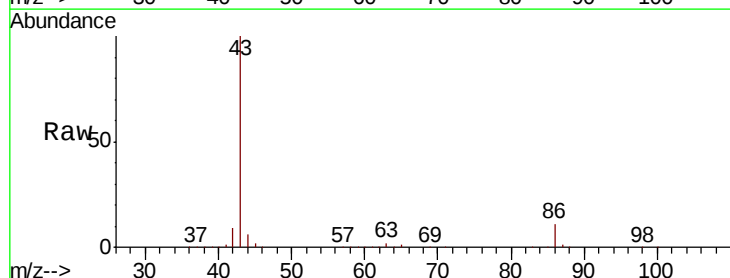
Acq: 13 Sep 2018 12:42

Tgt Ion: 43 Resp: 1248503

Ion Ratio Lower Upper

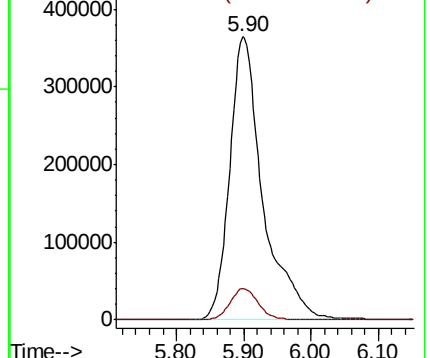
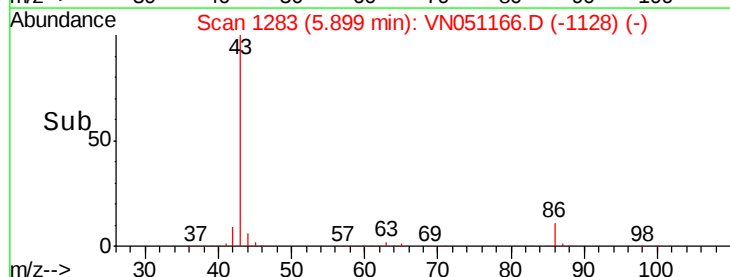
43 100

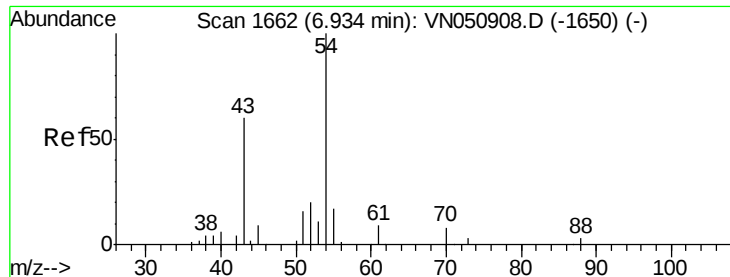
86 9.6 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051166.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051166.D (-1128) (-)

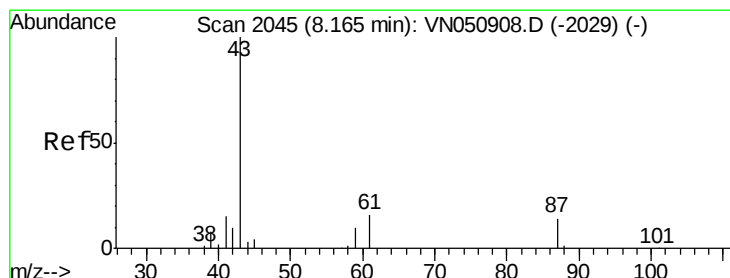
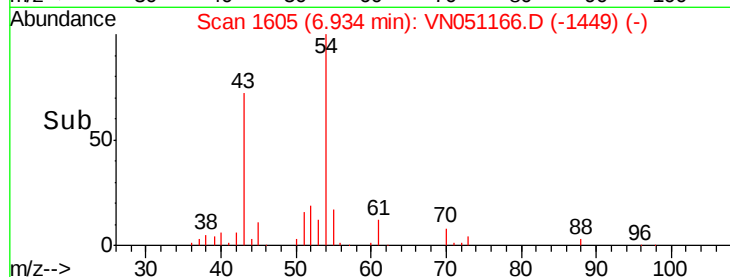
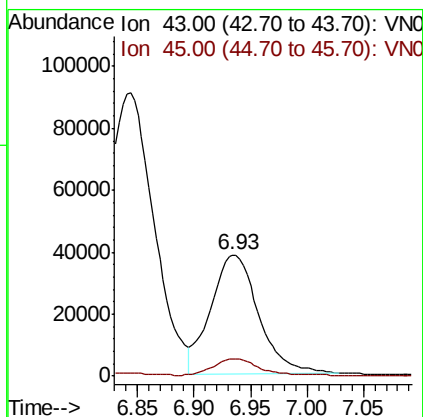
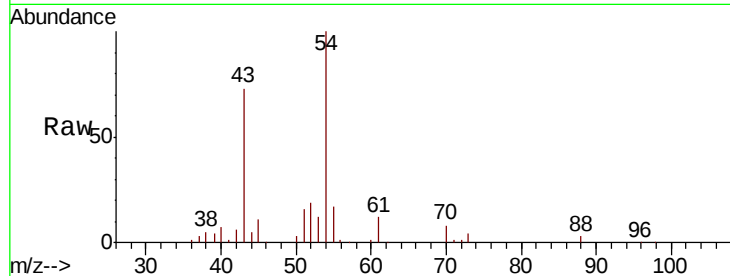




#43
Ethyl Acetate
Concen: 19.50 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

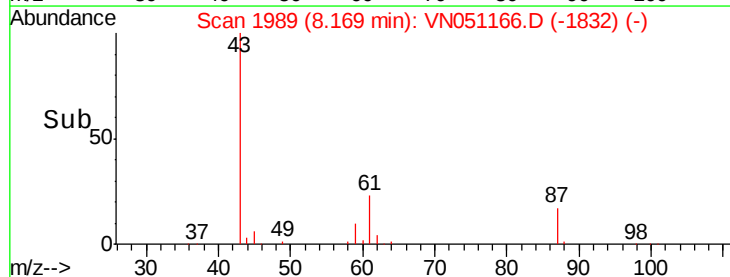
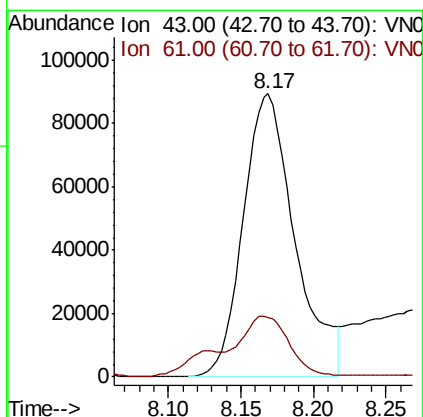
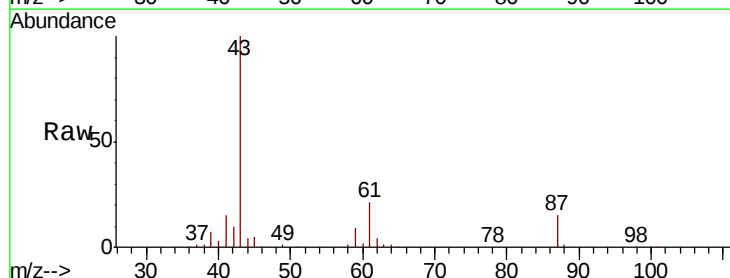
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

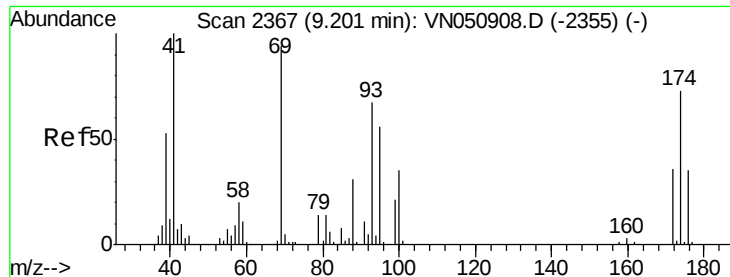
Tot Ion: 43 Resp: 113265
Ion Ratio Lower Upper
43 100
45 12.7 10.2 15.2



#44
Isopropyl Acetate
Concen: 21.56 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 43 Resp: 220926
Ion Ratio Lower Upper
43 100
61 18.4 16.3 24.5

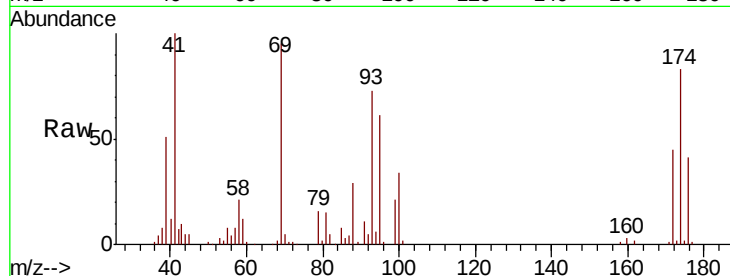




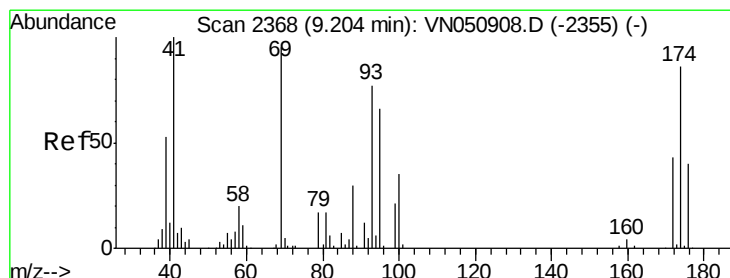
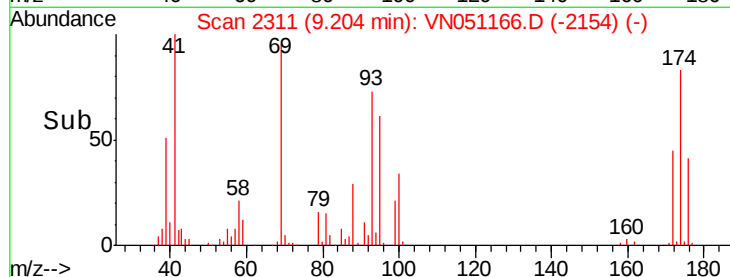
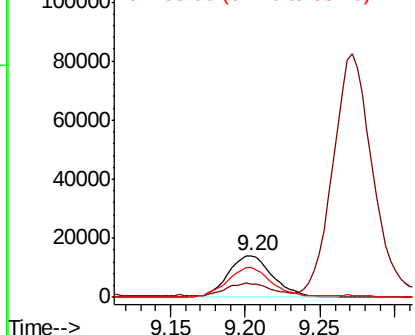
#45
 1,4-Dioxane
 Concen: 387.16 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 29473
 Ion Ratio Lower Upper
 88 100
 43 31.1 23.5 35.3
 58 70.5 55.2 82.8

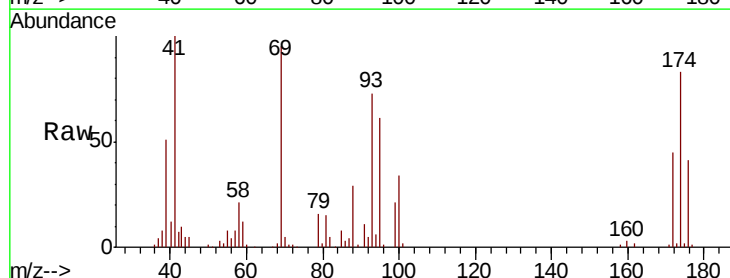


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

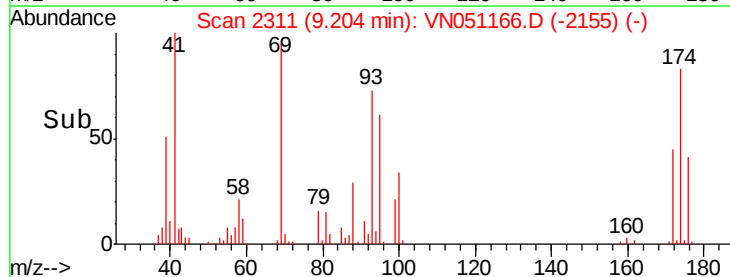
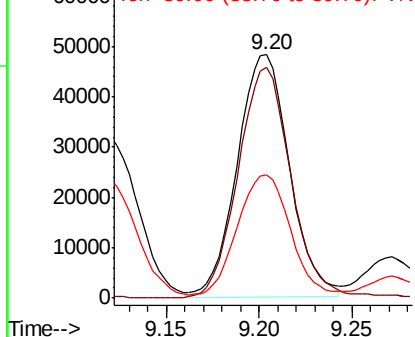


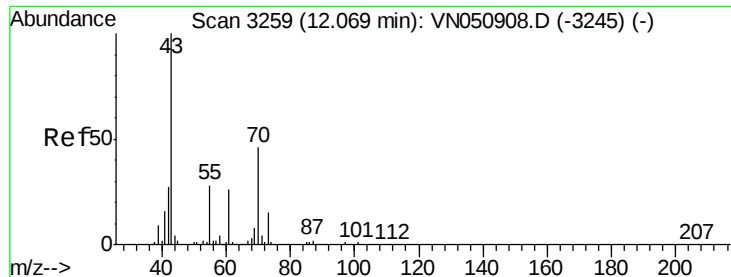
#46
 Methyl methacrylate
 Concen: 18.41 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 41 Resp: 94492
 Ion Ratio Lower Upper
 41 100
 69 96.2 47.4 142.2
 39 50.6 26.6 79.7



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

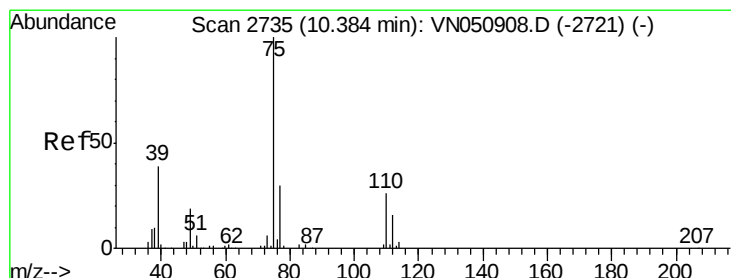
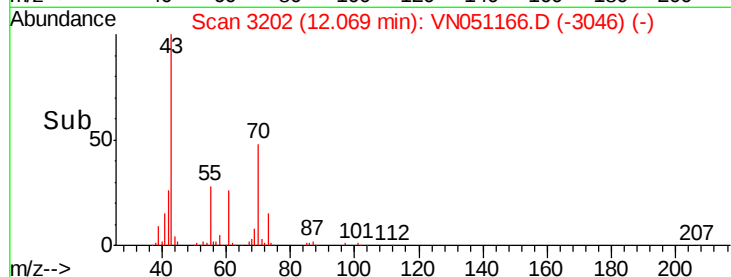
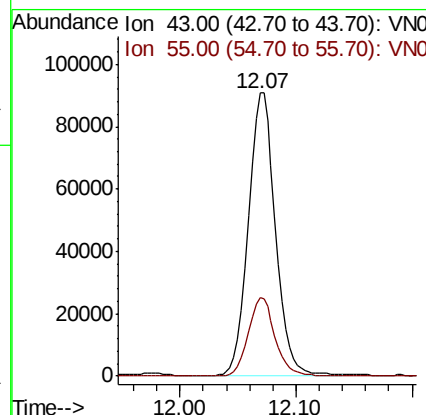
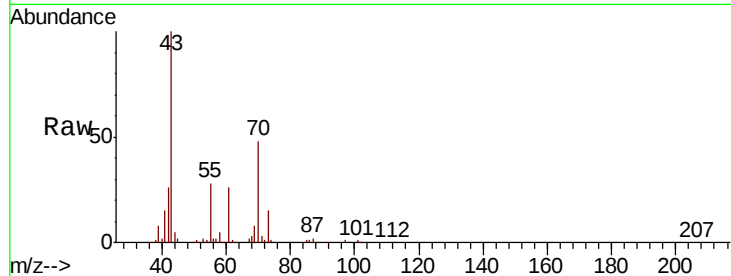




#47
n-amyl Acetate
Concen: 17.85 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

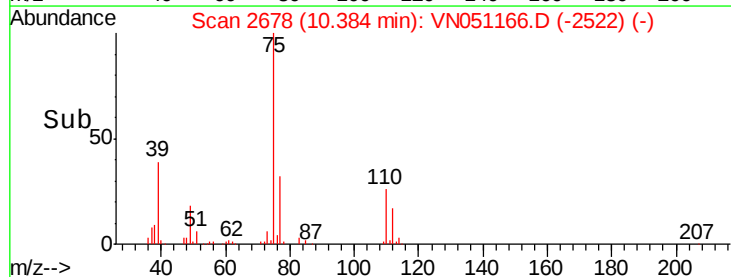
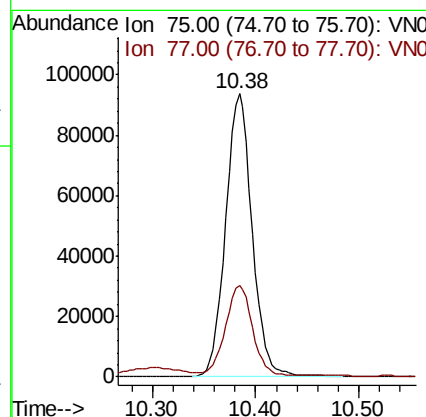
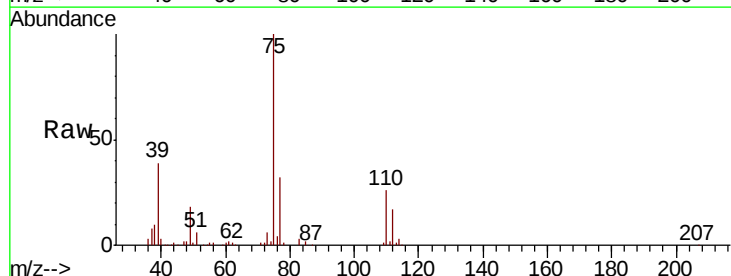
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

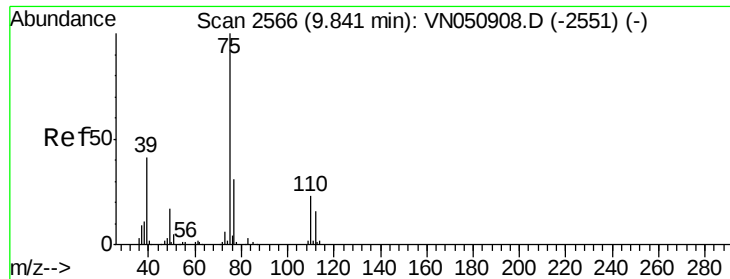
Tot Ion: 43 Resp: 147050
Ion Ratio Lower Upper
43 100
55 27.6 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 18.14 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 75 Resp: 168167
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2



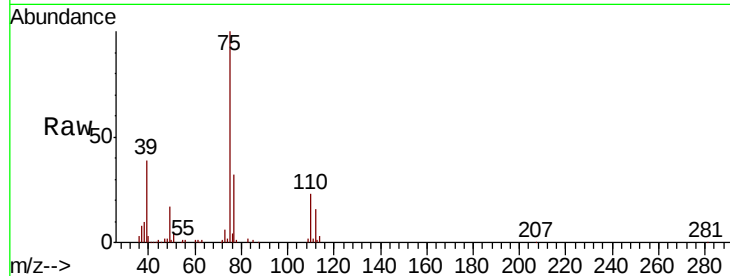


#49

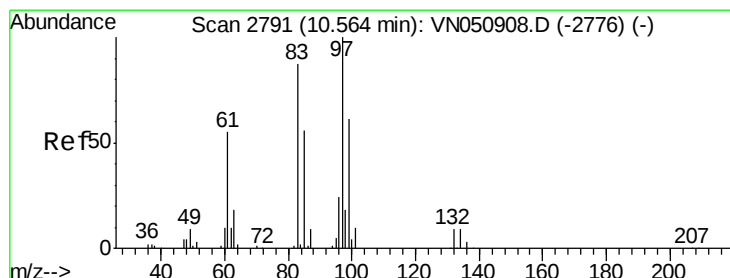
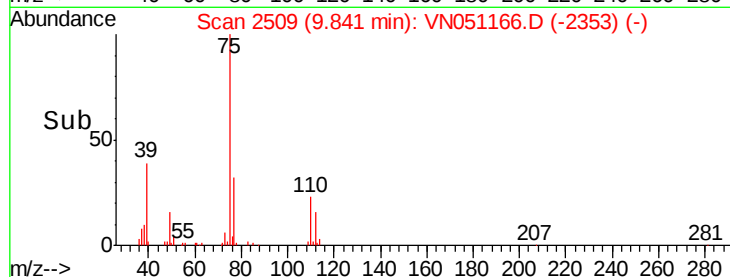
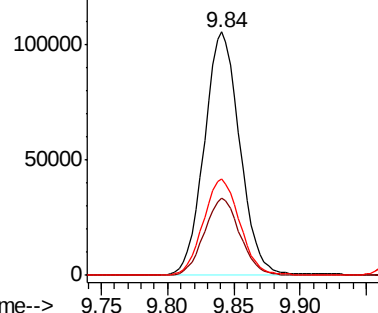
cis-1,3-Dichloropropene
 Concen: 18.41 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	39.4	32.9	49.3



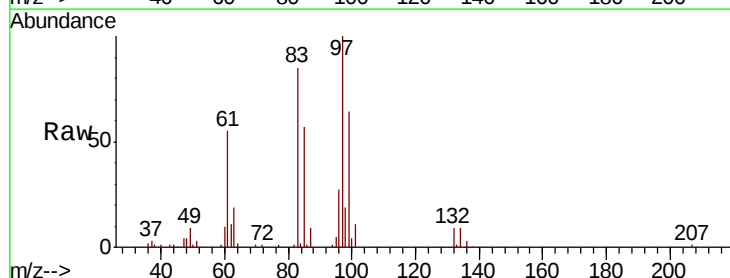
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



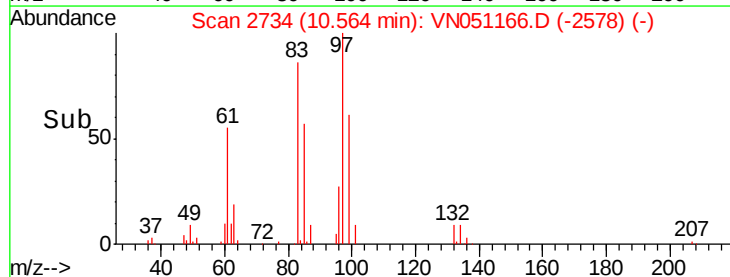
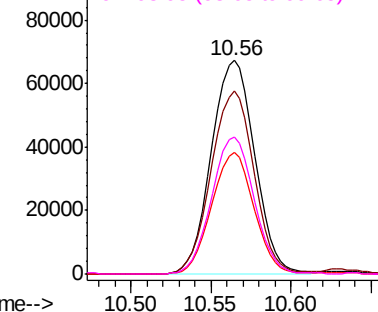
#50

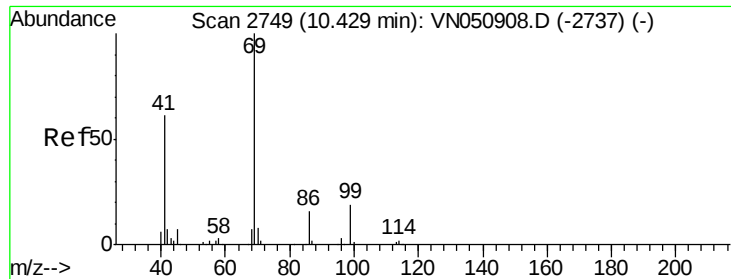
1,1,2-Trichloroethane
 Concen: 19.13 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.8	104.6
85	57.1	45.0	67.6
99	63.9	49.1	73.7



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.50 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

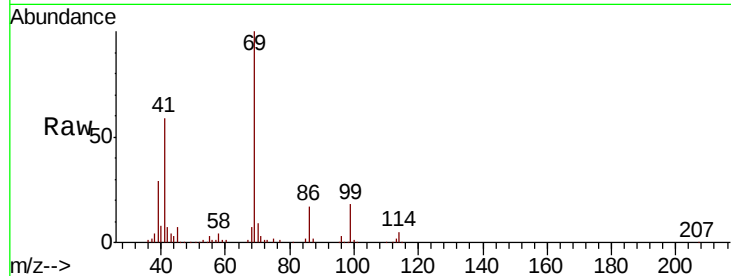
Tot Ion: 69 Resp: 147483

Ion Ratio Lower Upper

69 100

41 58.8 30.5 91.5

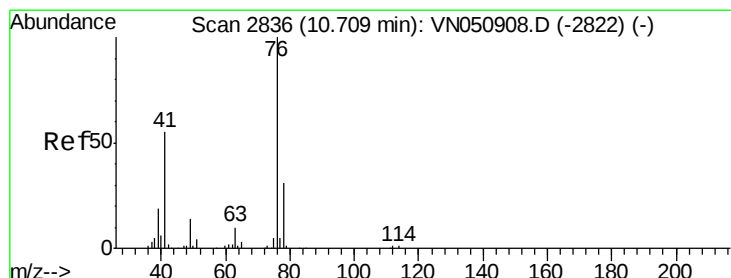
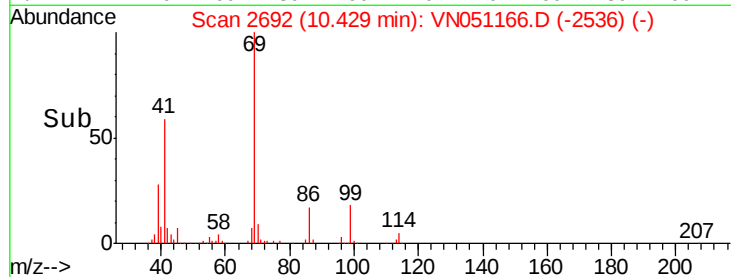
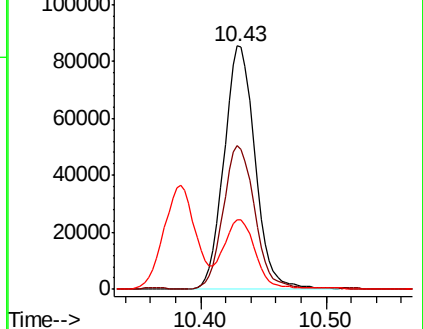
39 28.1 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.69 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051166.D

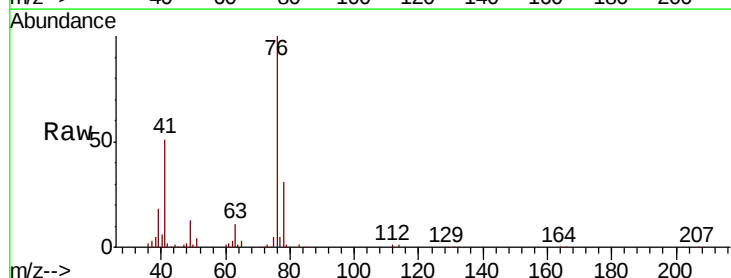
Acq: 13 Sep 2018 12:42

Tgt Ion: 76 Resp: 201788

Ion Ratio Lower Upper

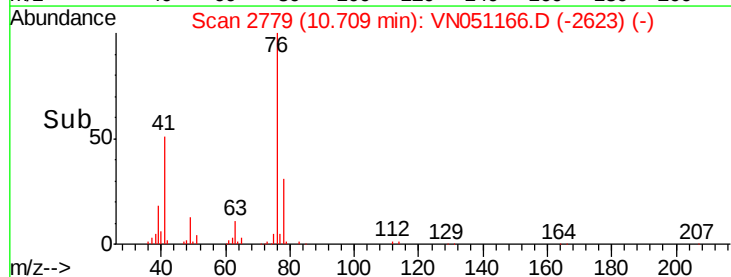
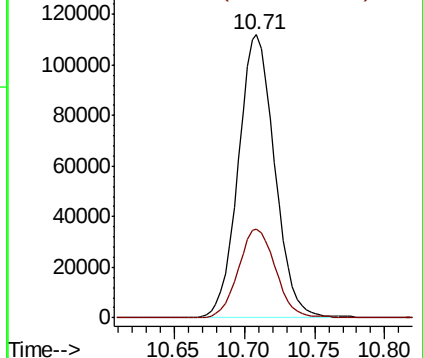
76 100

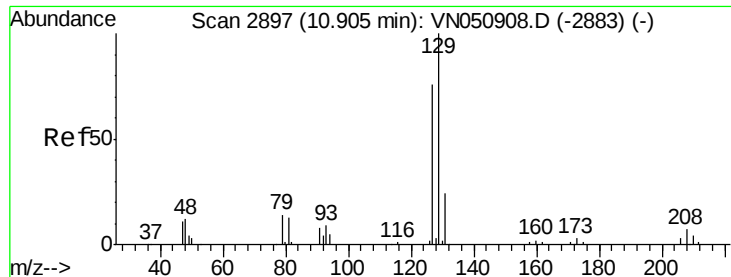
78 31.9 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

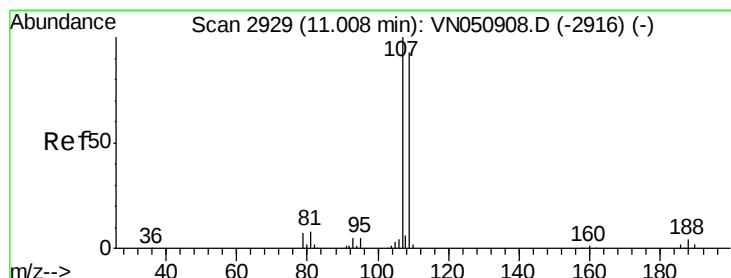
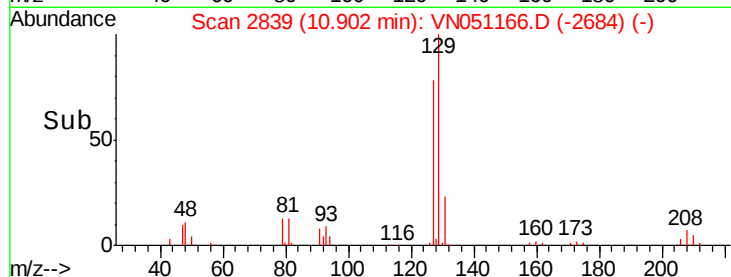
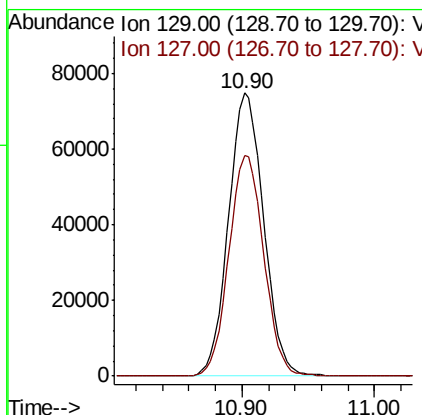
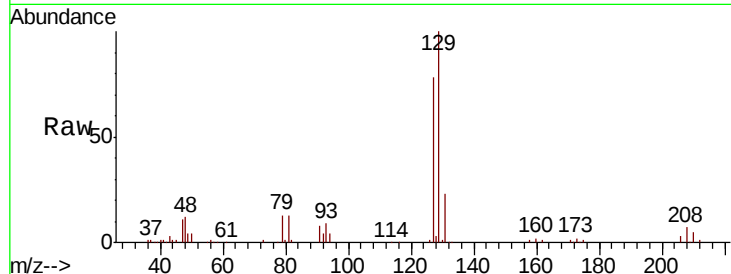




#53
Dibromochloromethane
Concen: 18.55 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

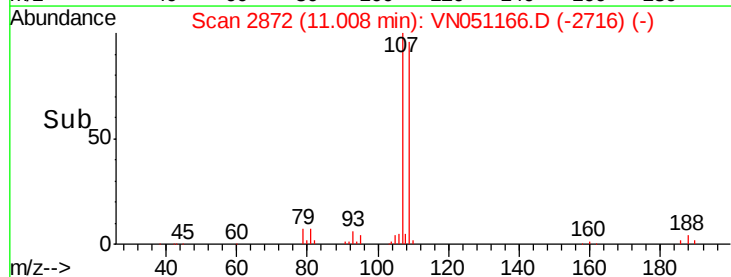
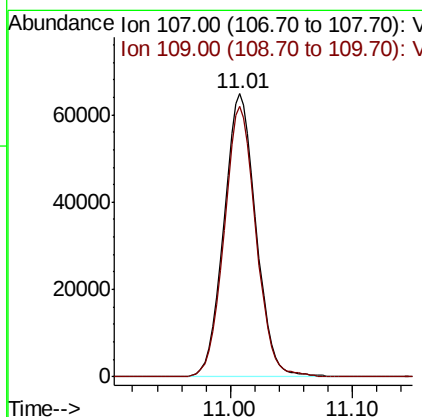
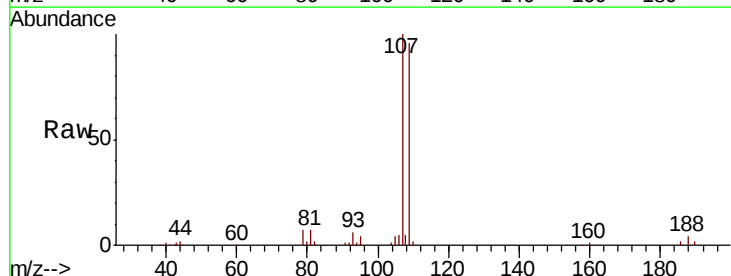
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

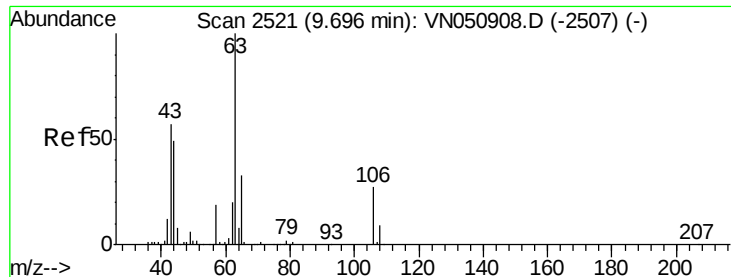
Tot Ion:129 Resp: 137457
Ion Ratio Lower Upper
129 100
127 77.6 39.0 116.9



#54
1,2-Dibromoethane
Concen: 18.50 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion:107 Resp: 119228
Ion Ratio Lower Upper
107 100
109 94.8 74.4 111.6

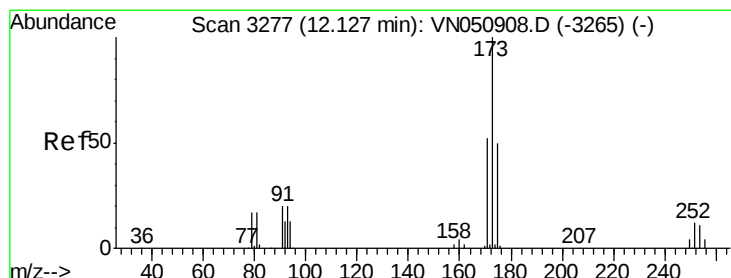
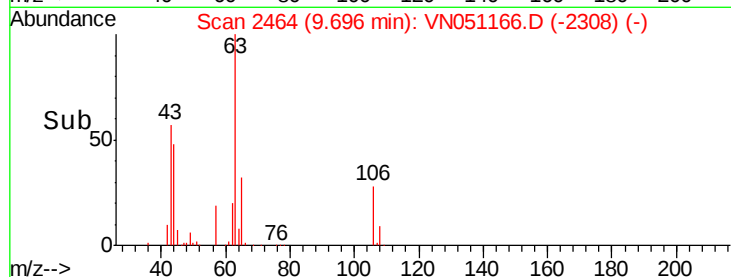
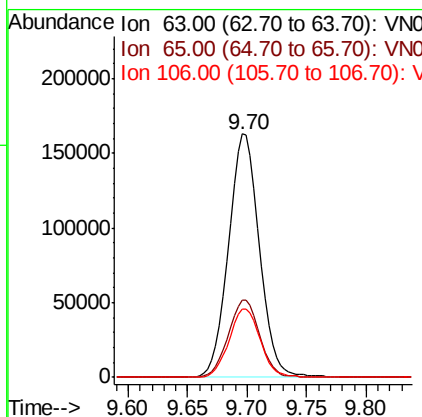
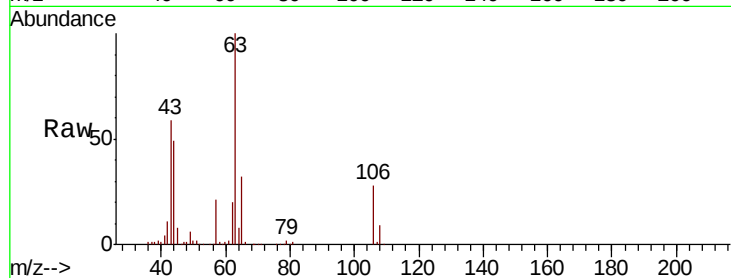




#55
 2-Chloroethyl vinyl ether
 Concen: 88.60 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

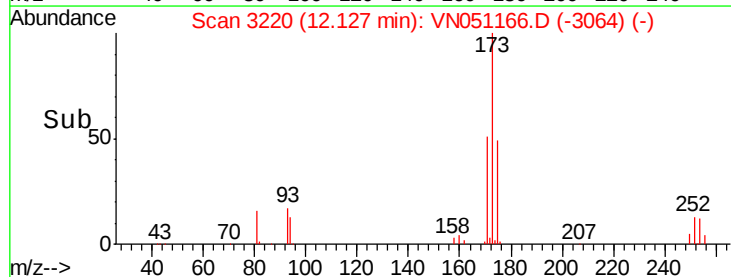
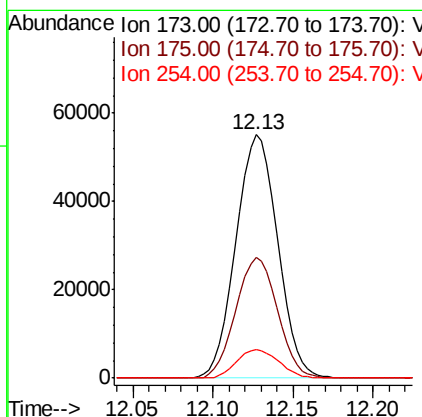
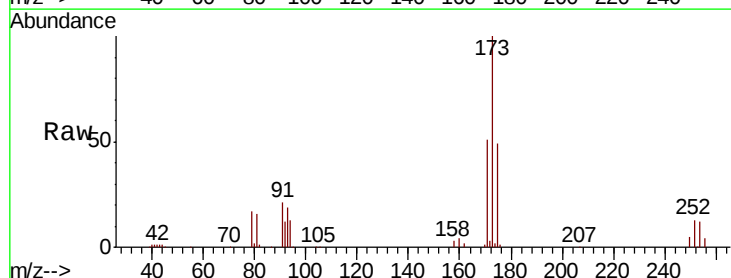
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

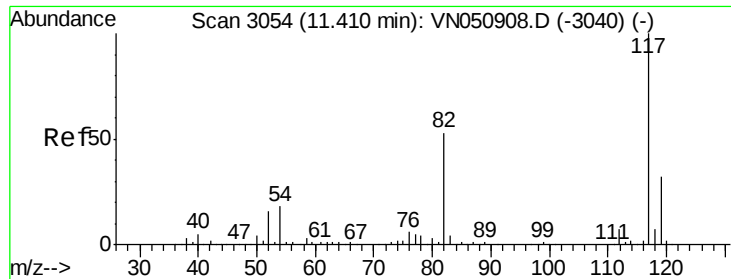
Tot Ion: 63 Resp: 293931
 Ion Ratio Lower Upper
 63 100
 65 32.3 25.4 38.2
 106 28.4 22.0 33.0



#56
 Bromoform
 Concen: 18.66 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion: 173 Resp: 98321
 Ion Ratio Lower Upper
 173 100
 175 49.4 39.2 58.8
 254 11.6 9.0 13.6

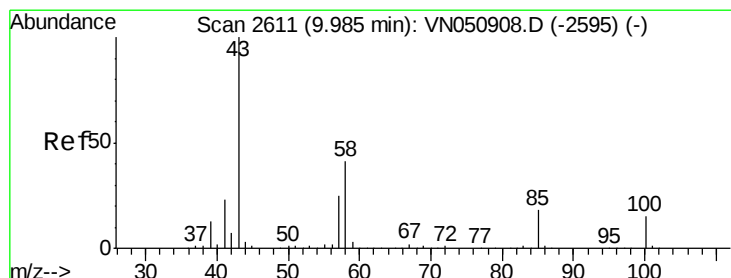
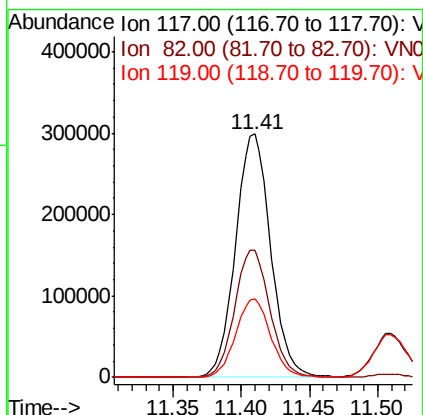
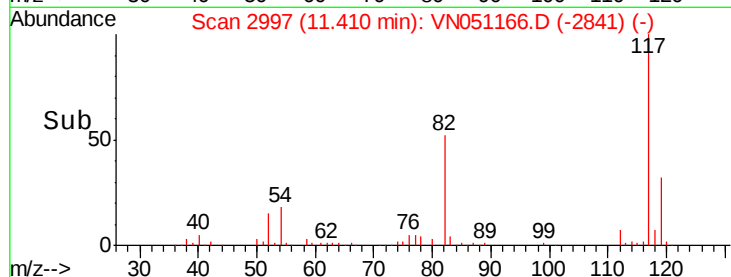
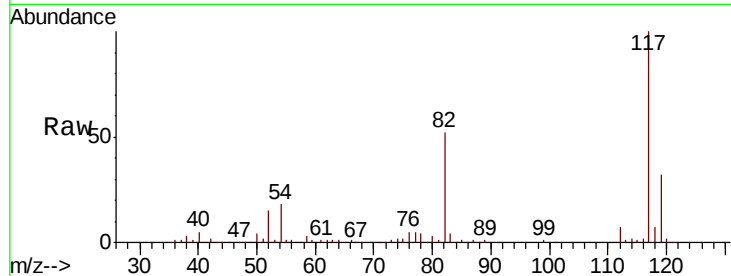




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

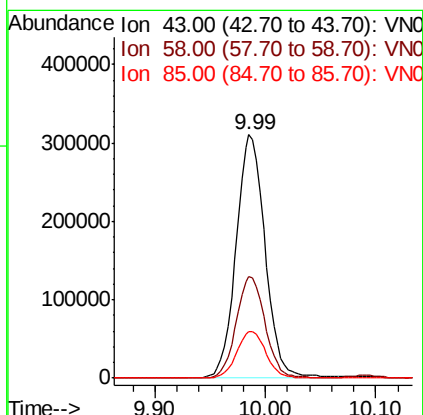
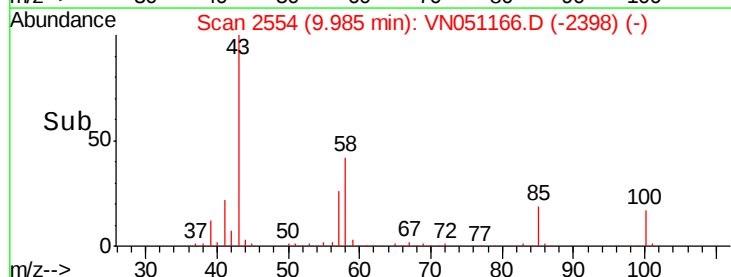
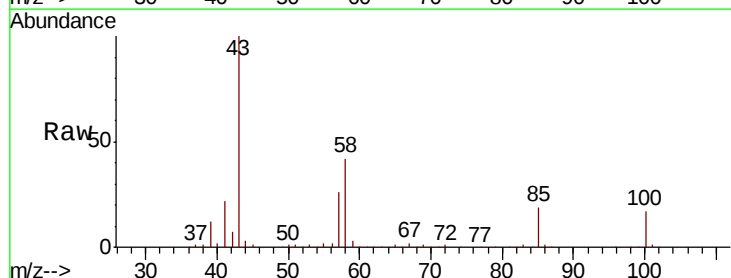
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

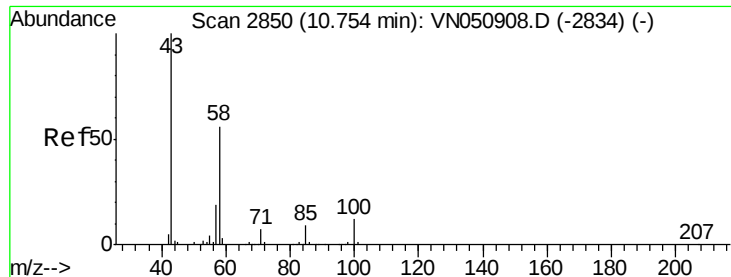
Tot Ion:117 Resp: 534288
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 91.97 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 43 Resp: 562214
Ion Ratio Lower Upper
43 100
58 41.9 32.3 48.5
85 19.4 14.9 22.3

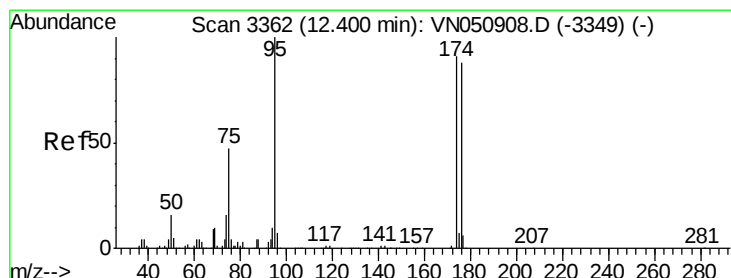
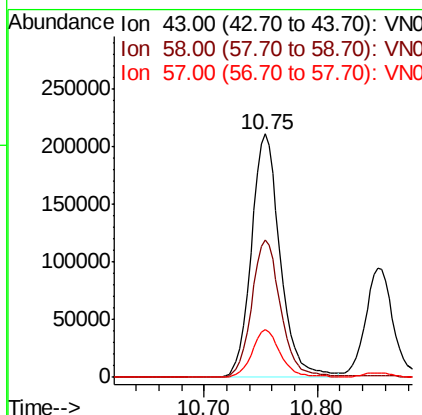
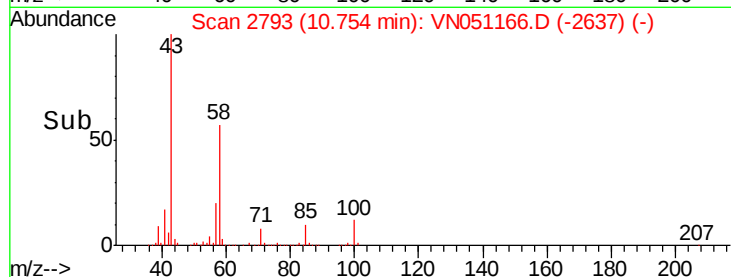
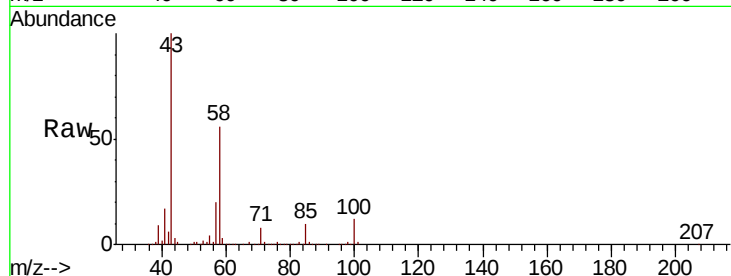




#59
2-Hexanone
Concen: 92.96 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

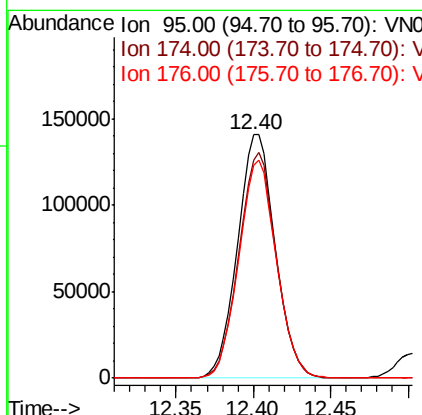
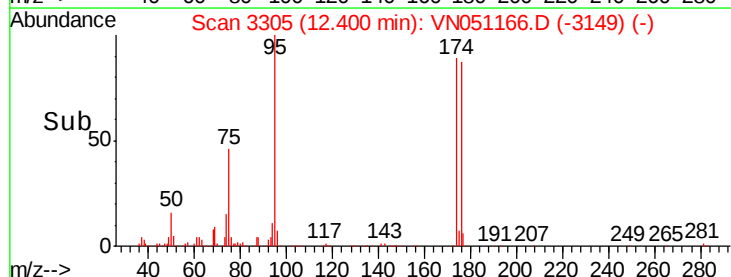
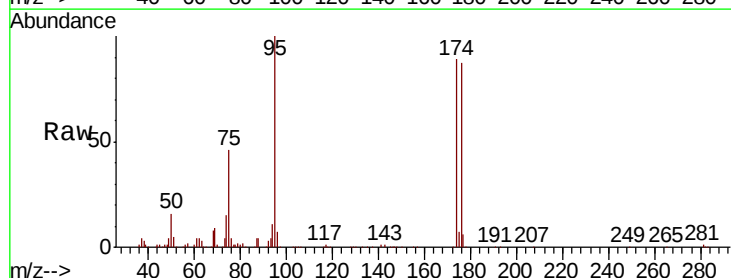
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

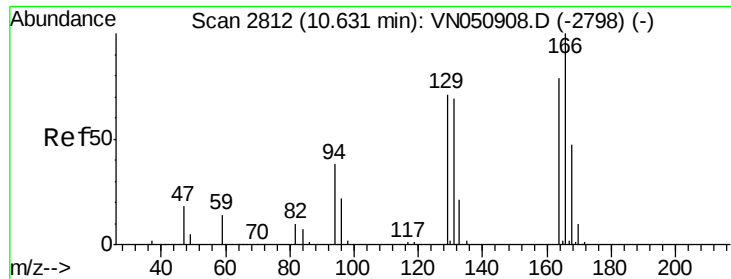
Tot Ion: 43 Resp: 371428
Ion Ratio Lower Upper
43 100
58 57.2 45.5 68.3
57 19.6 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.15 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 95 Resp: 239560
Ion Ratio Lower Upper
95 100
174 91.7 74.6 112.0
176 89.1 71.5 107.3





#61

Tetrachloroethene

Concen: 18.63 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 124003

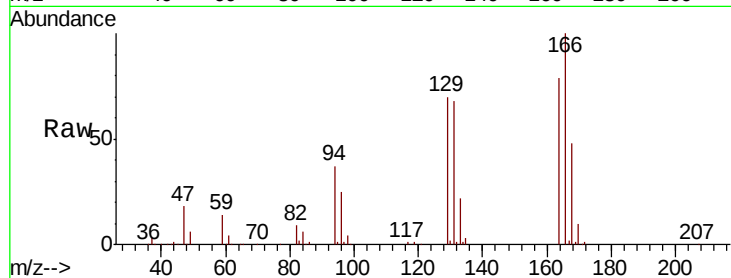
Ion Ratio Lower Upper

164 100

166 126.8 100.6 151.0

129 88.2 71.0 106.6

131 86.5 69.3 103.9

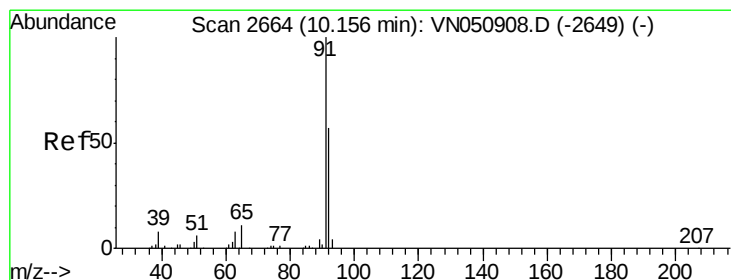
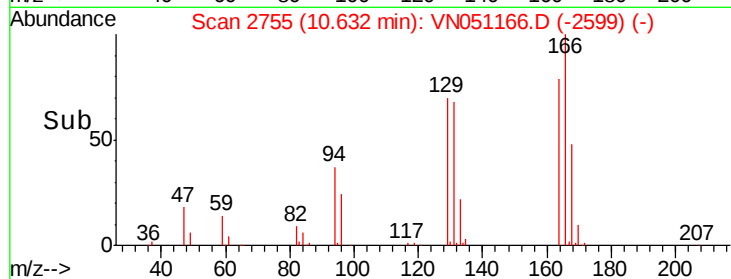
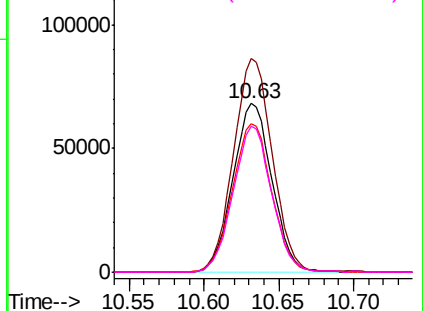


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.66 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051166.D

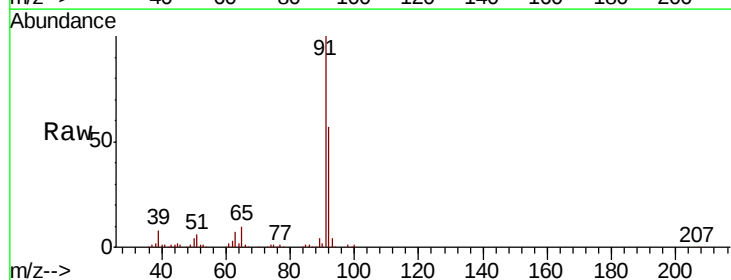
Acq: 13 Sep 2018 12:42

Tgt Ion: 91 Resp: 556342

Ion Ratio Lower Upper

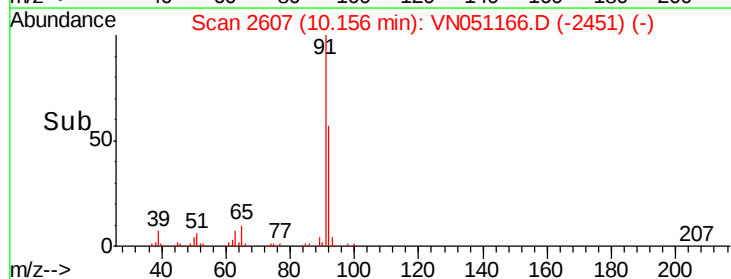
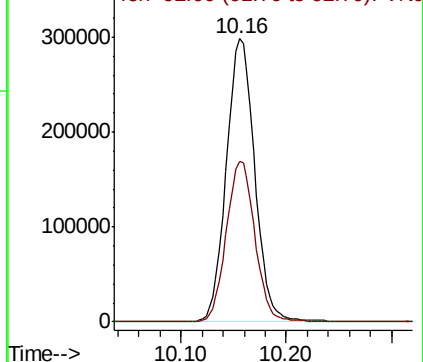
91 100

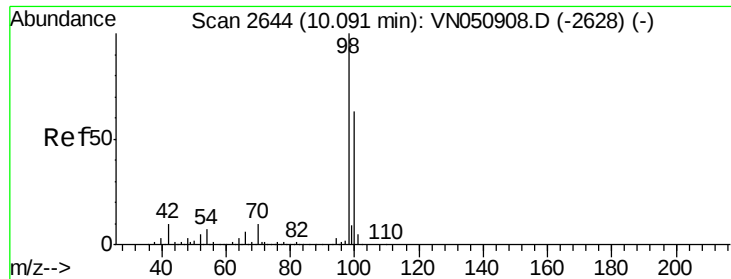
92 57.1 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.11 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

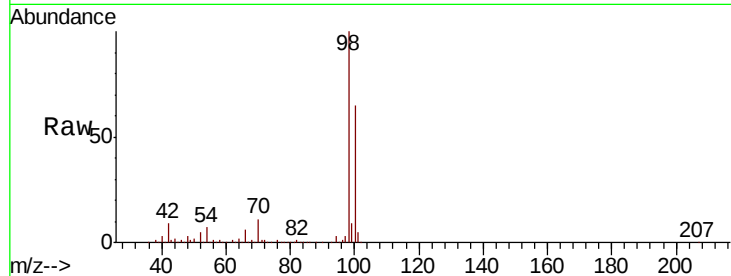
VSTDCCC020

Tot Ion: 98 Resp: 750206

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

400000

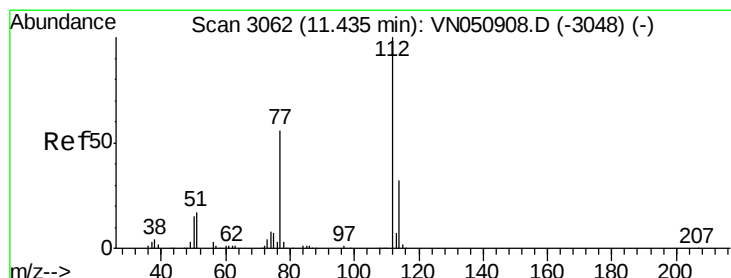
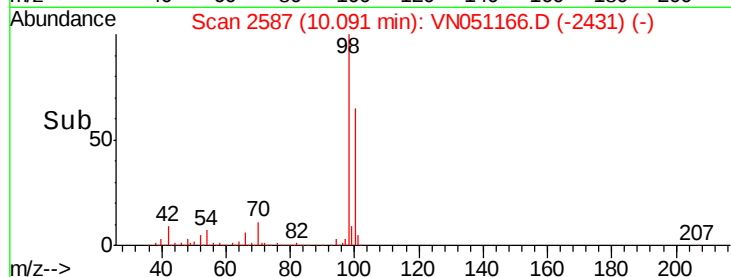
300000

200000

100000

0

Time-->



#64

Chlorobenzene

Concen: 18.94 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051166.D

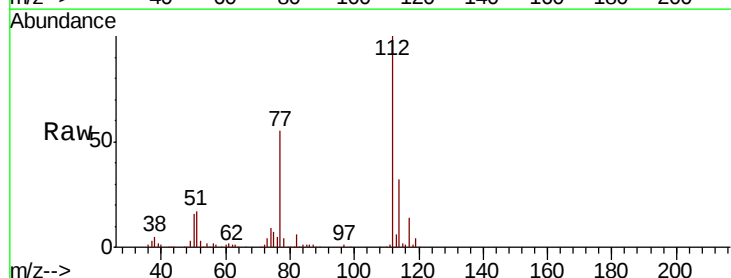
Acq: 13 Sep 2018 12:42

Tgt Ion: 112 Resp: 349851

Ion Ratio Lower Upper

112 100

114 32.4 25.5 38.3



Abundance Ion 112.00 (111.70 to 112.70): VN050908.D (-3048) (-)

Ion 114.00 (113.70 to 114.70): VN050908.D (-3048) (-)

11.44

200000

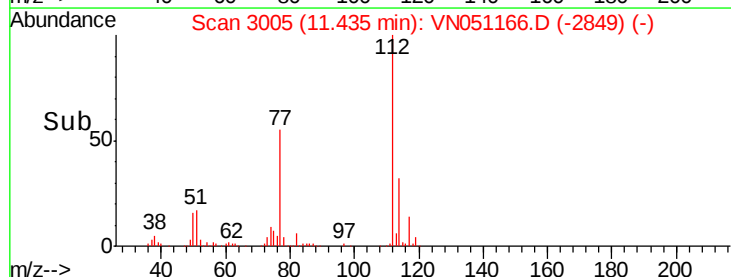
150000

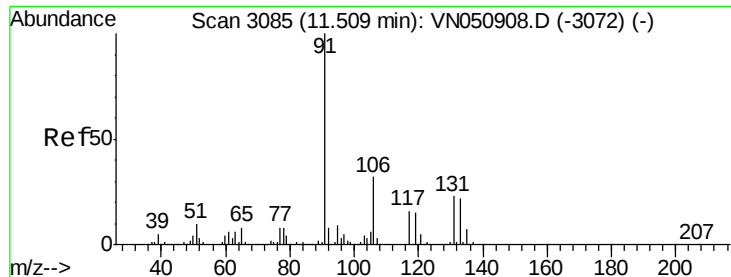
100000

50000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.27 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

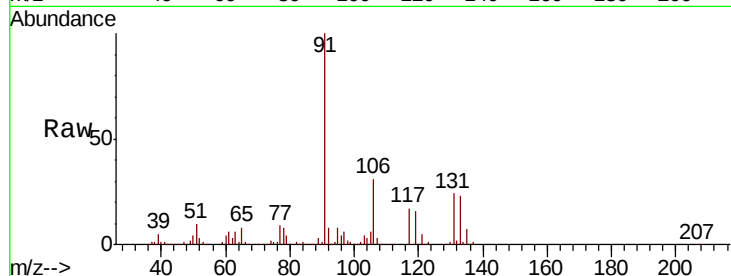
Tot Ion:131 Resp: 134420

Ion Ratio Lower Upper

131 100

133 94.8 0.0 189.4

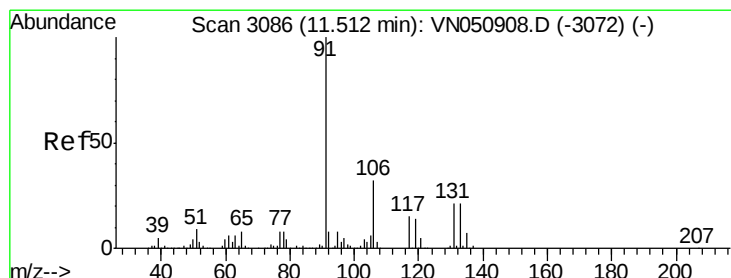
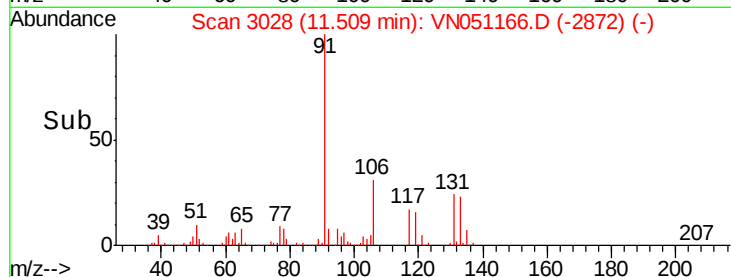
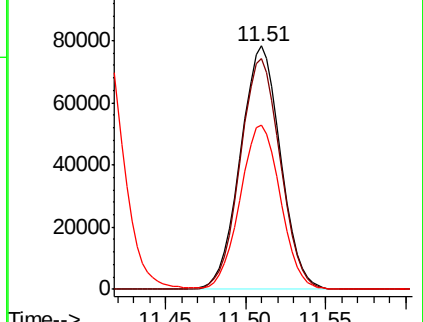
119 67.8 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.04 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051166.D

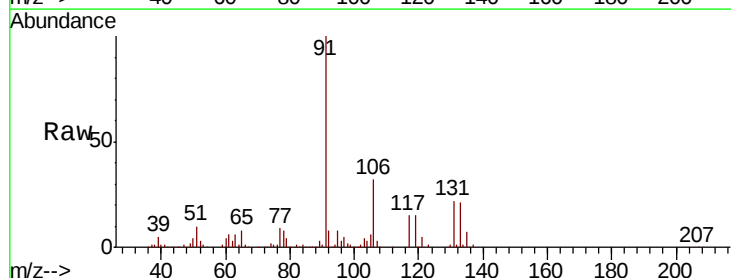
Acq: 13 Sep 2018 12:42

Tgt Ion: 91 Resp: 556959

Ion Ratio Lower Upper

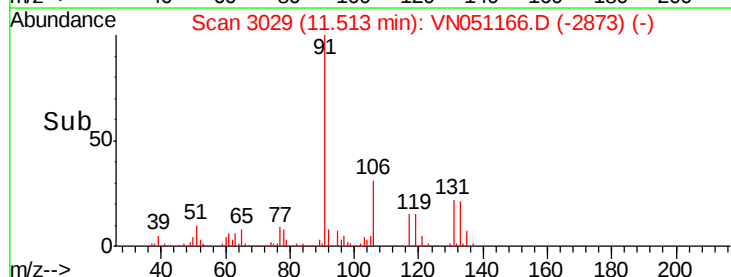
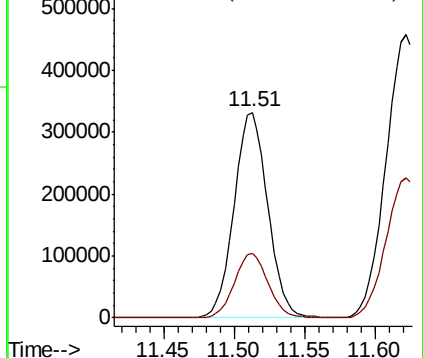
91 100

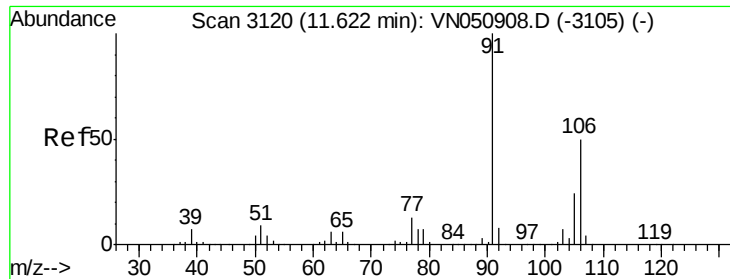
106 31.5 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

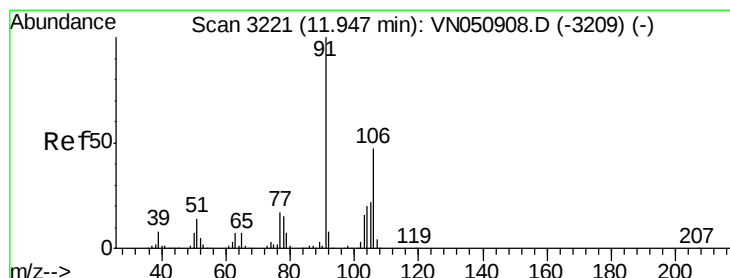
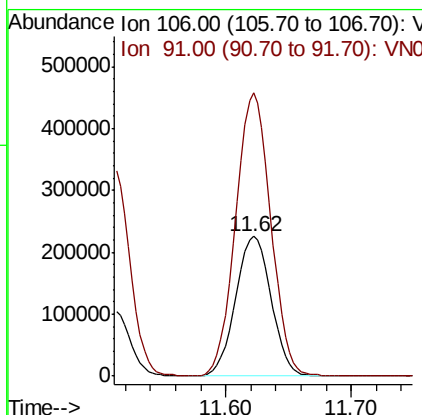
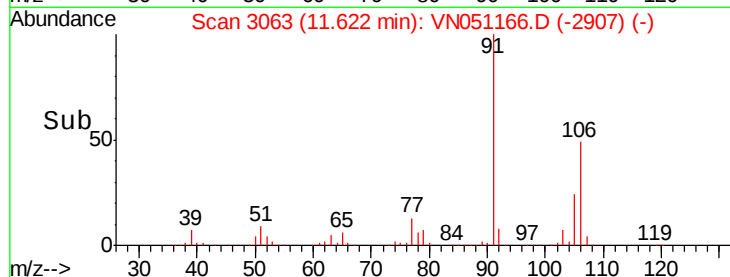
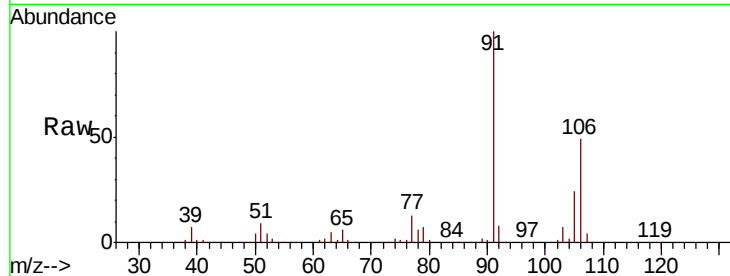




#67
m/p-Xylenes
Concen: 37.51 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

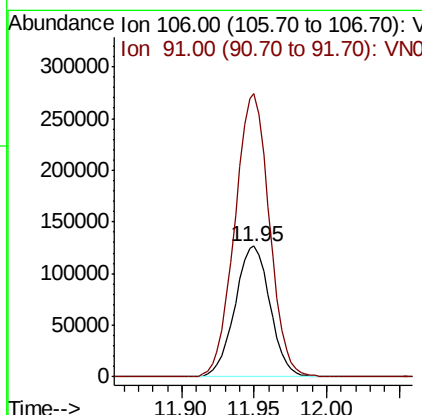
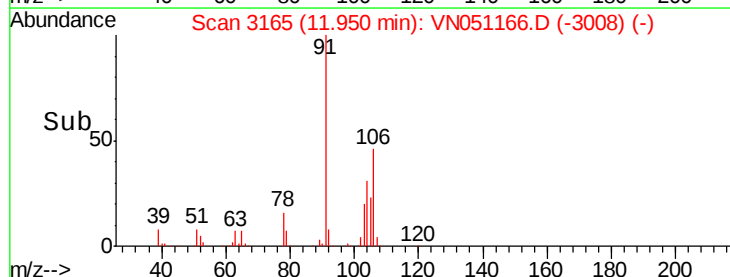
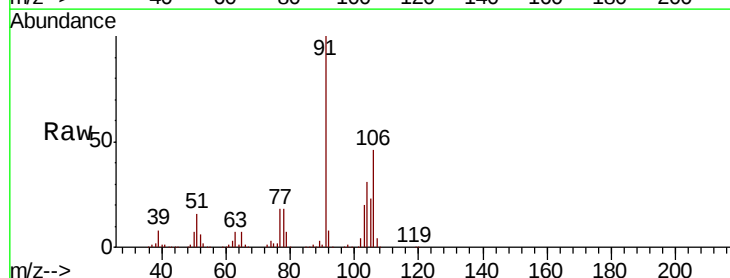
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

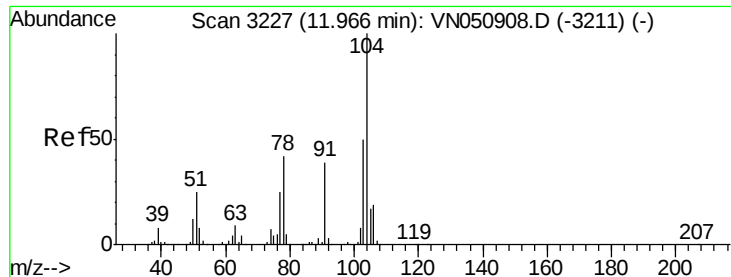
Tot Ion:106 Resp: 445566
Ion Ratio Lower Upper
106 100
91 199.8 160.6 241.0



#68
o-Xylene
Concen: 18.77 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion:106 Resp: 213069
Ion Ratio Lower Upper
106 100
91 213.5 106.4 319.2

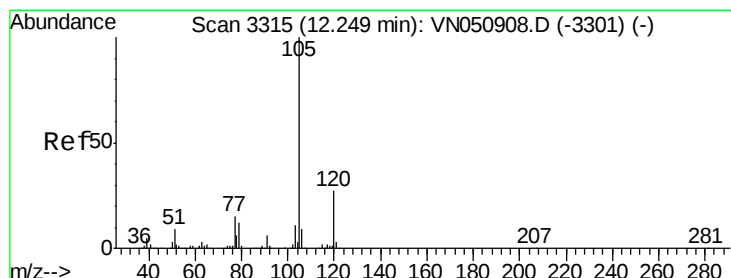
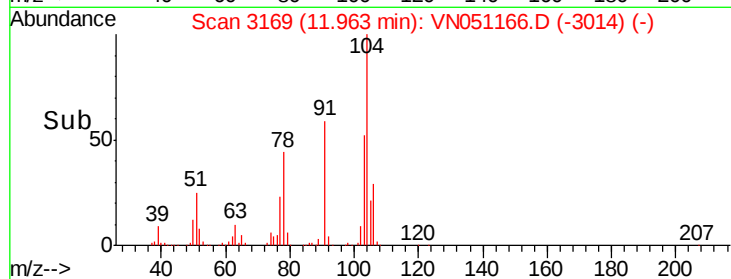
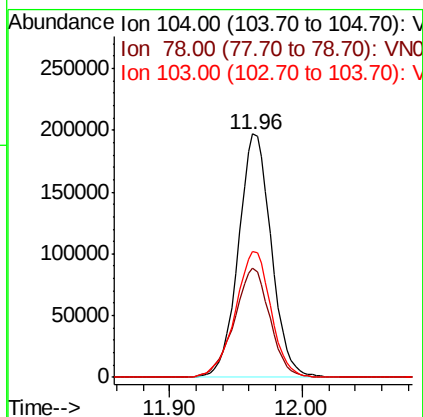
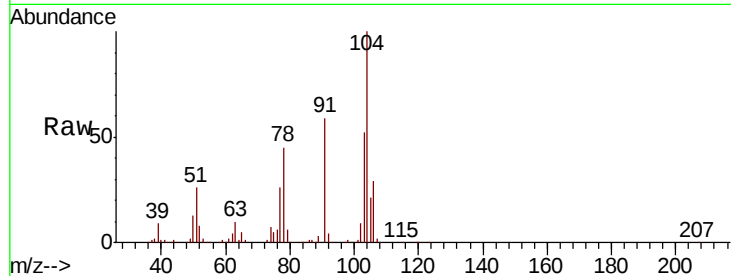




#69
Stvrene
Concen: 18.77 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

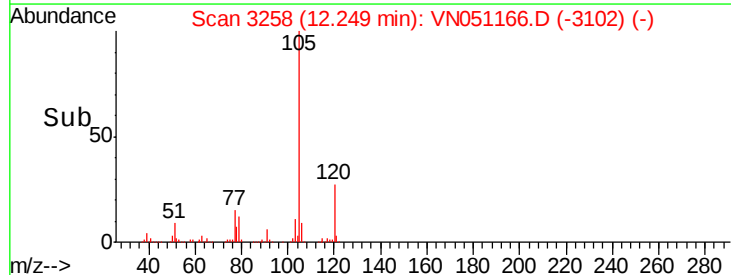
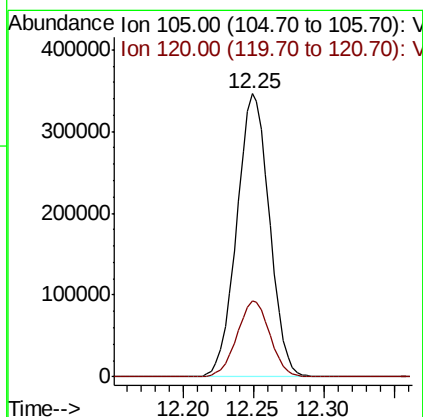
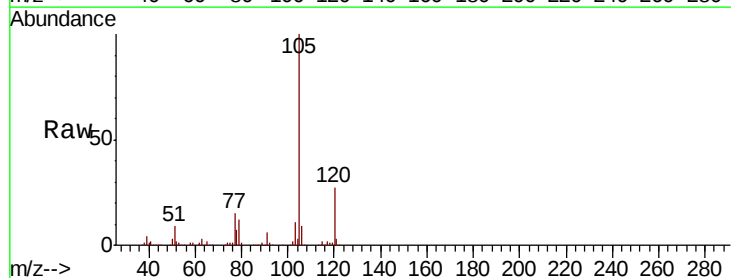
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

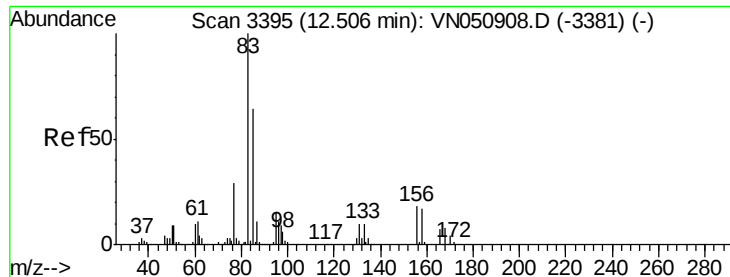
Tot Ion:104 Resp: 338674
Ion Ratio Lower Upper
104 100
78 48.6 38.6 58.0
103 56.1 45.4 68.2



#70
Isopropylbenzene
Concen: 18.61 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion:105 Resp: 561444
Ion Ratio Lower Upper
105 100
120 27.1 18.6 34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.91 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

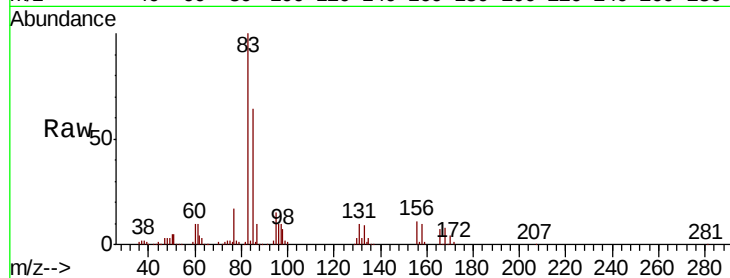
Tot Ion: 83 Resp: 162602

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

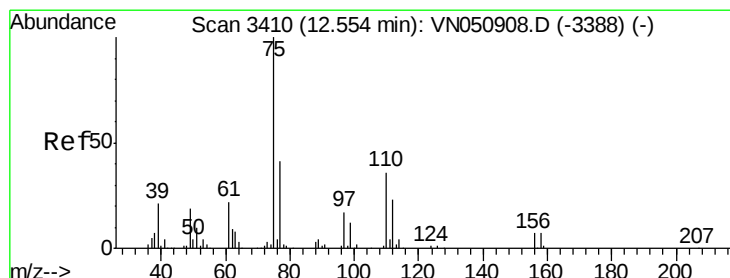
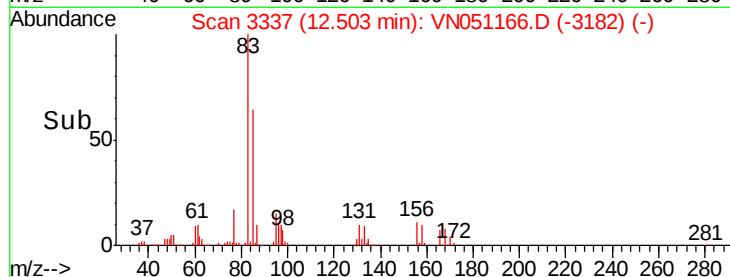
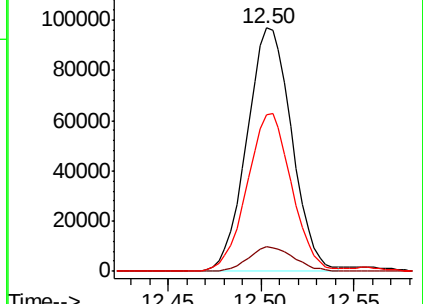
85 64.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN050908.D (-3381) (-)

Ion 131.00 (130.70 to 131.70): VN050908.D (-3381) (-)

Ion 85.00 (84.70 to 85.70): VN050908.D (-3381) (-)



#72

1,2,3-Trichloropropane

Concen: 26.03 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051166.D

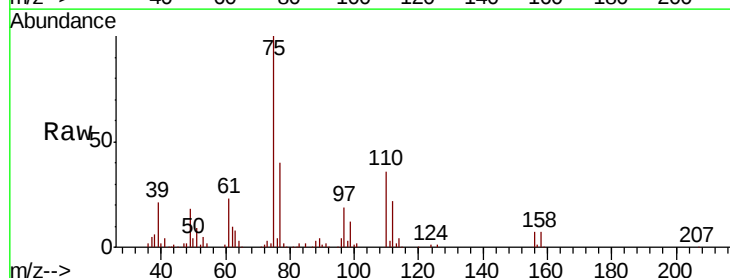
Acq: 13 Sep 2018 12:42

Tgt Ion: 75 Resp: 183390

Ion Ratio Lower Upper

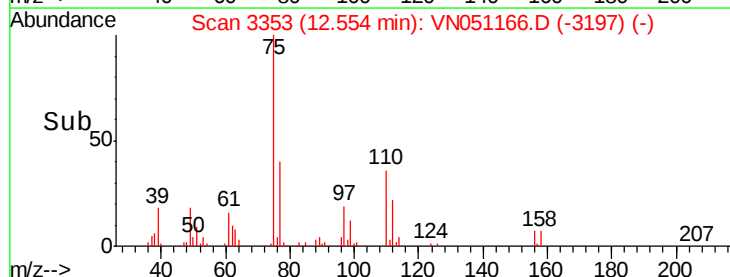
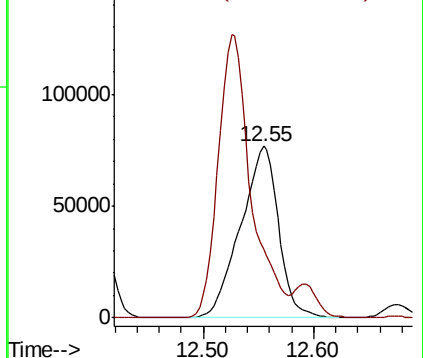
75 100

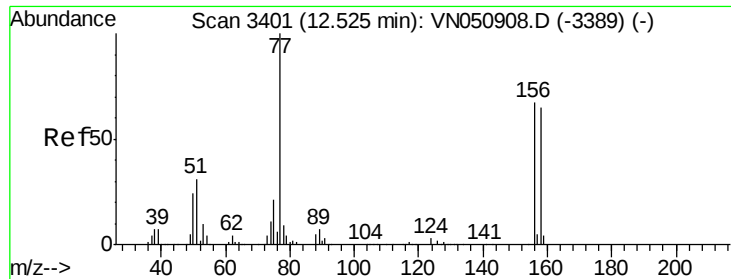
77 143.2 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-3388) (-)

Ion 77.00 (76.70 to 77.70): VN050908.D (-3388) (-)





#73

Bromobenzene

Concen: 18.86 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

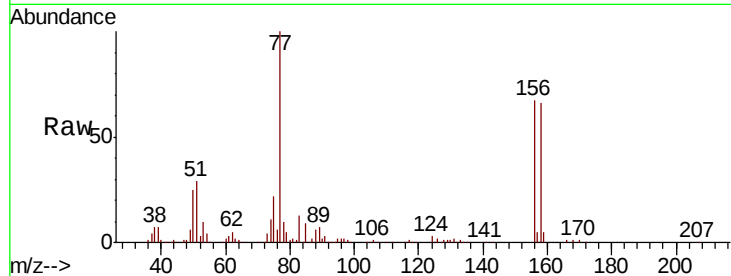
Tot Ion:156 Resp: 149704

Ion Ratio Lower Upper

156 100

77 175.4 0.0 359.4

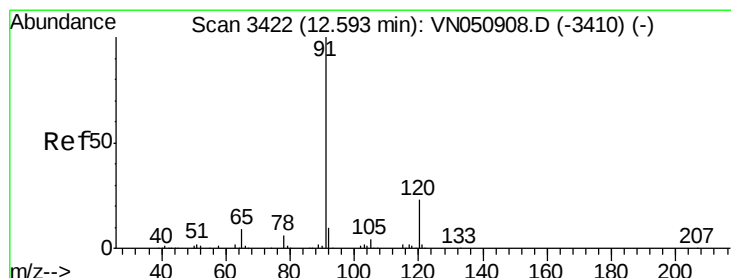
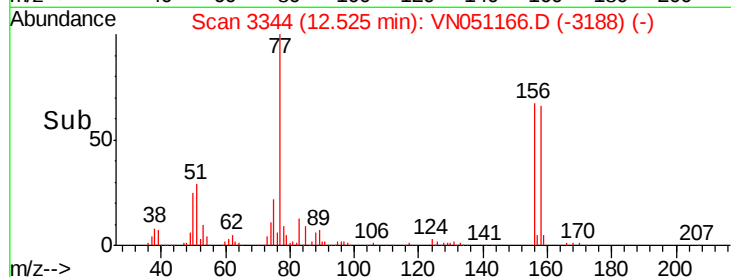
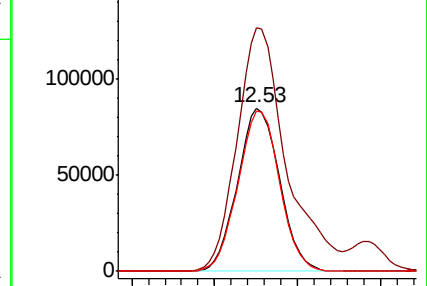
158 97.4 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.08 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051166.D

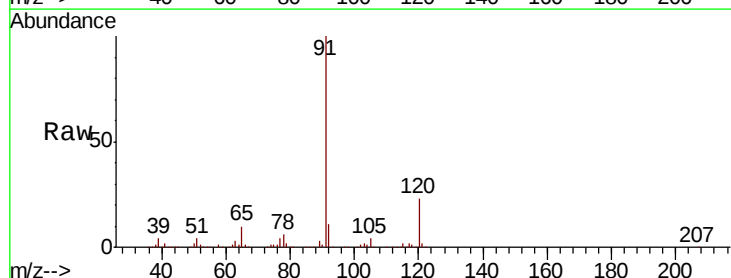
Acq: 13 Sep 2018 12:42

Tgt Ion: 91 Resp: 616607

Ion Ratio Lower Upper

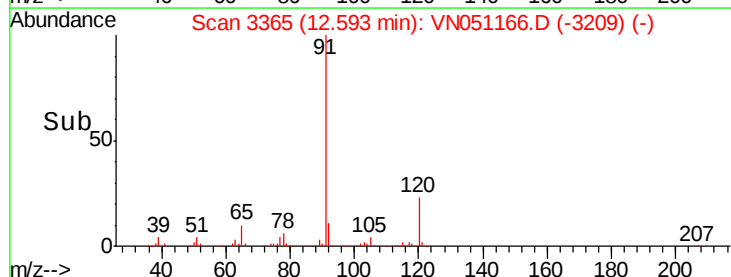
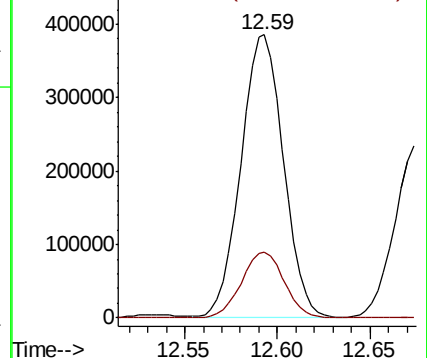
91 100

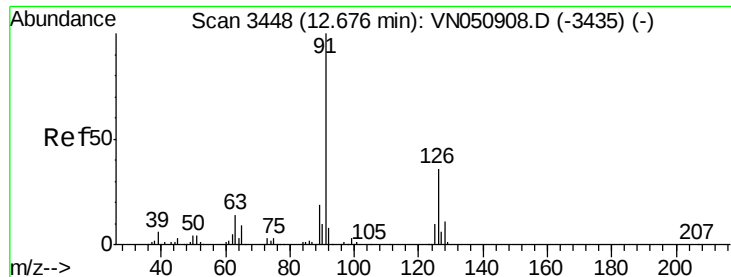
120 23.3 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.62 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

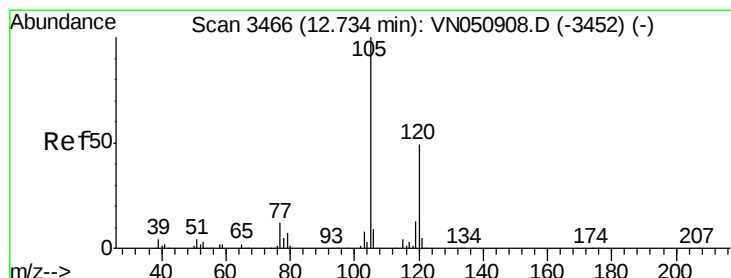
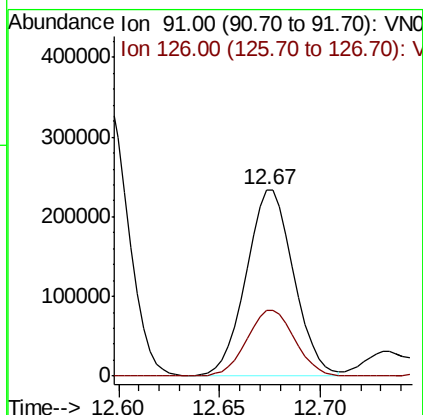
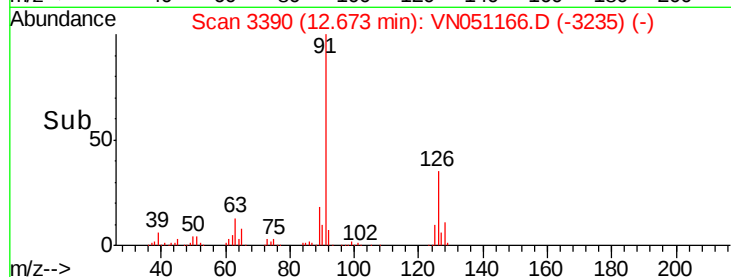
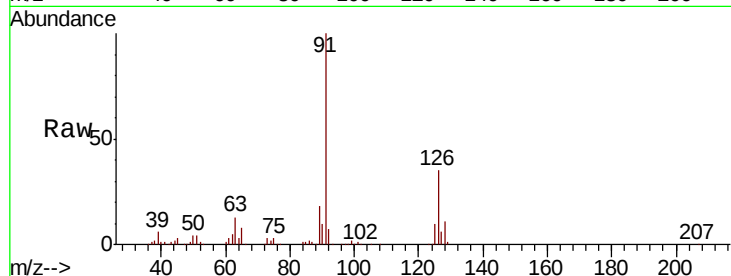
VSTDCCC020

Tot Ion: 91 Resp: 385667

Ion Ratio Lower Upper

91 100

126 35.8 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 18.64 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051166.D

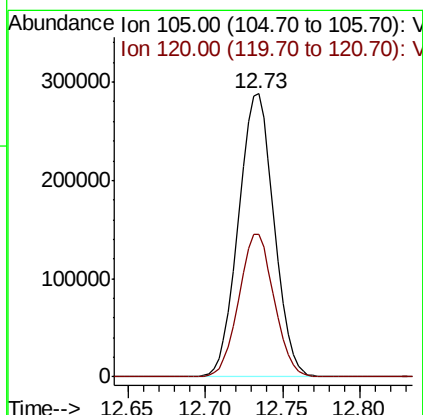
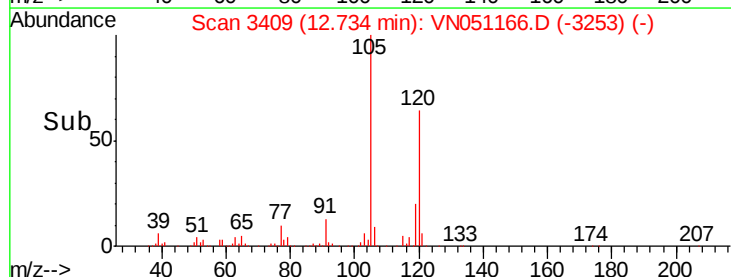
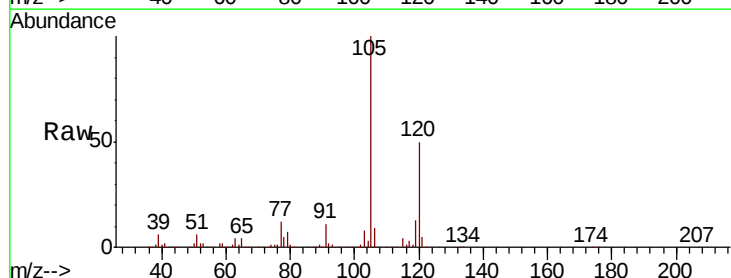
Acq: 13 Sep 2018 12:42

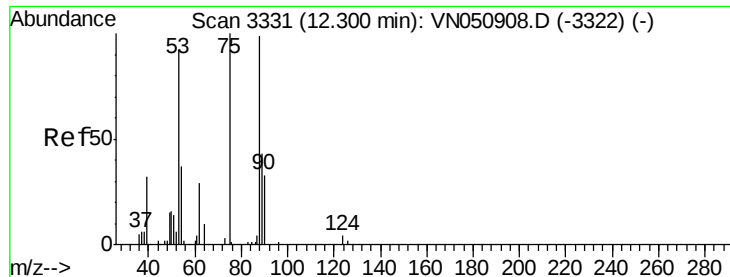
Tgt Ion: 105 Resp: 459474

Ion Ratio Lower Upper

105 100

120 50.0 0.0 99.6



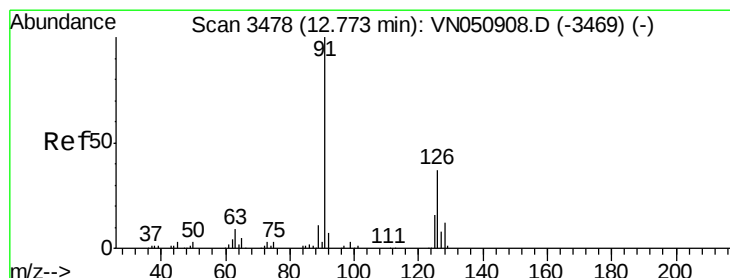
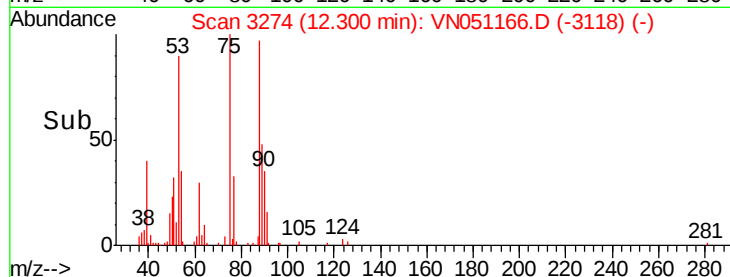
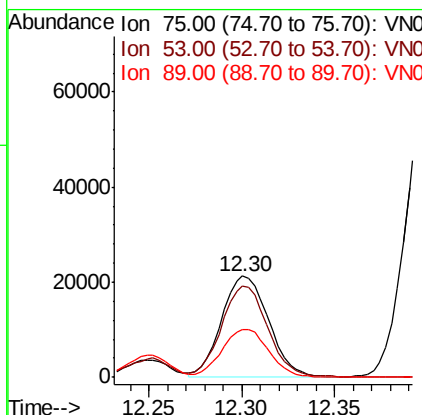
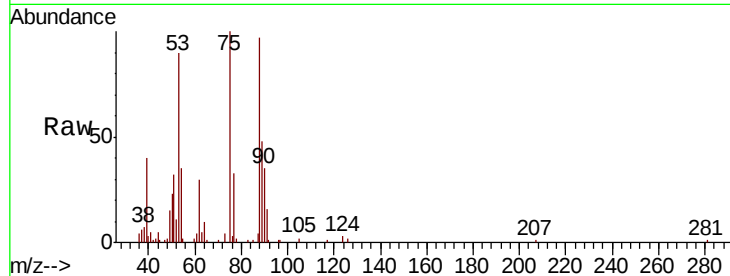


#77
t-1,4-Dichloro-2-butene
Concen: 18.73 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 75 Resp: 37602

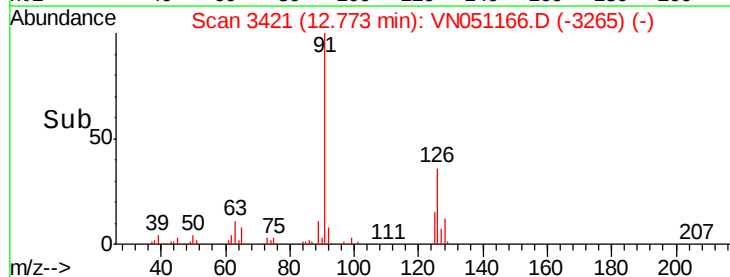
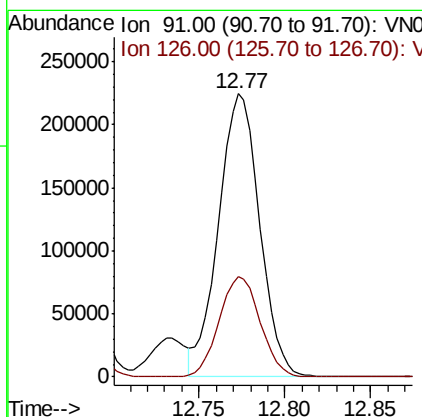
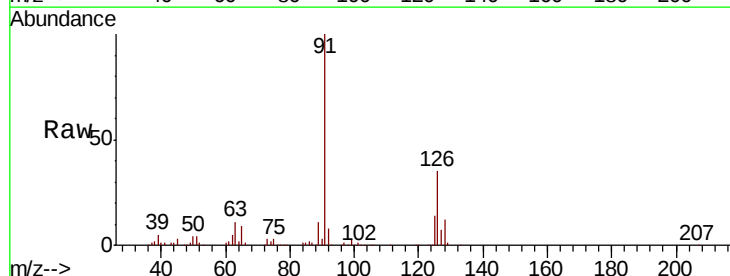
Ion	Ratio	Lower	Upper
75	100		
53	89.5	45.5	136.4
89	47.6	21.9	65.8

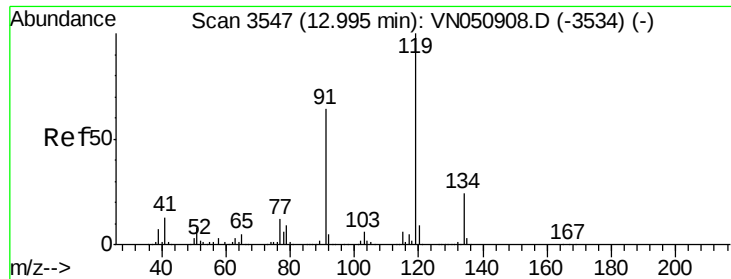


#78
4-Chlorotoluene
Concen: 18.27 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 91 Resp: 372699

Ion	Ratio	Lower	Upper
91	100		
126	35.5	0.0	69.8

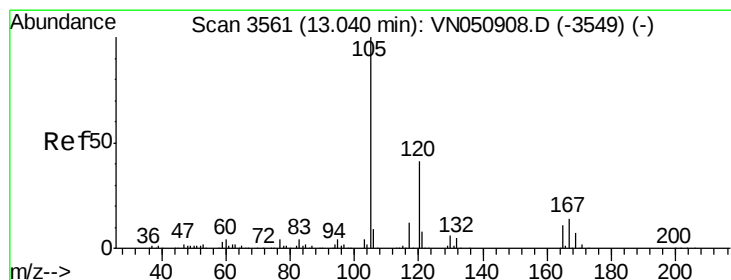
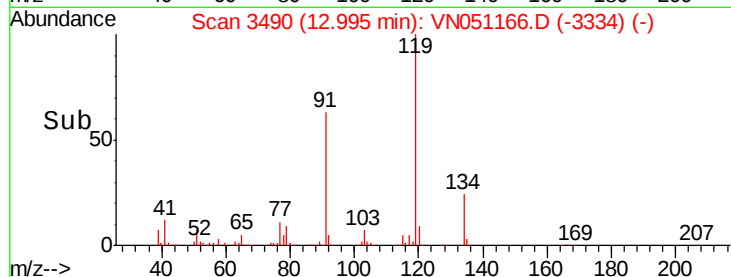
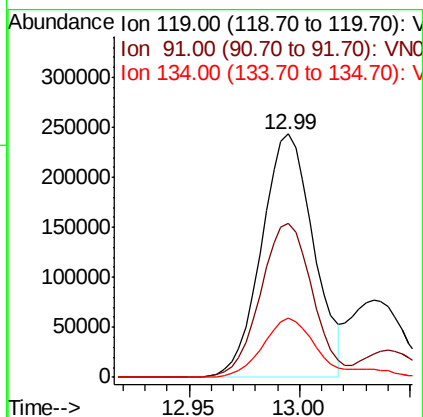
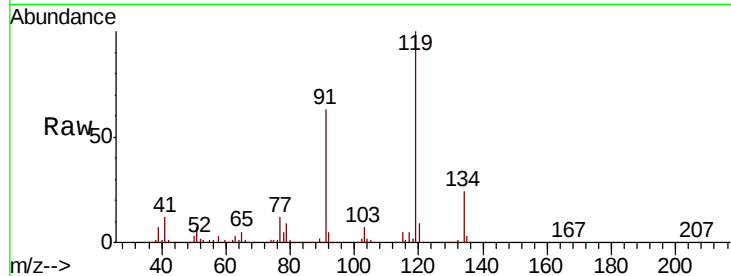




#79
tert-butylbenzene
Concen: 18.54 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

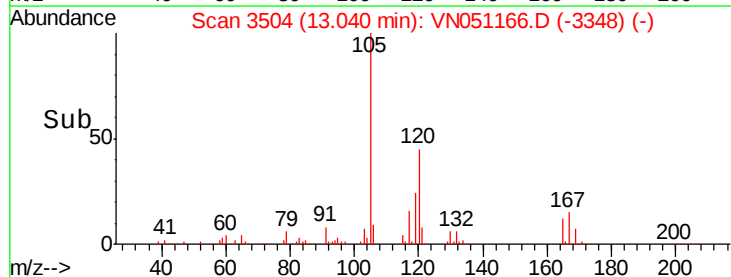
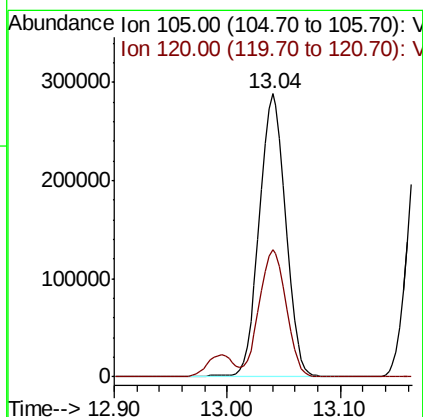
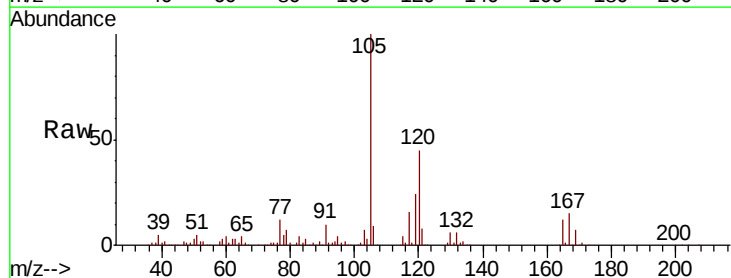
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

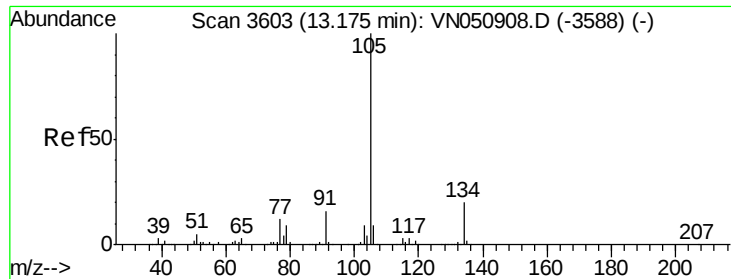
Tot Ion:119 Resp: 396934
Ion Ratio Lower Upper
119 100
91 62.9 0.0 125.6
134 24.1 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.10 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion:105 Resp: 469506
Ion Ratio Lower Upper
105 100
120 45.7 0.0 93.6





#81

sec-Butylbenzene

Concen: 18.29 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

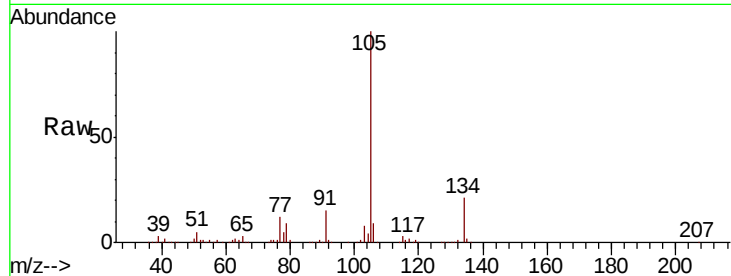
VSTDCCC020

Tot Ion:105 Resp: 512197

Ion Ratio Lower Upper

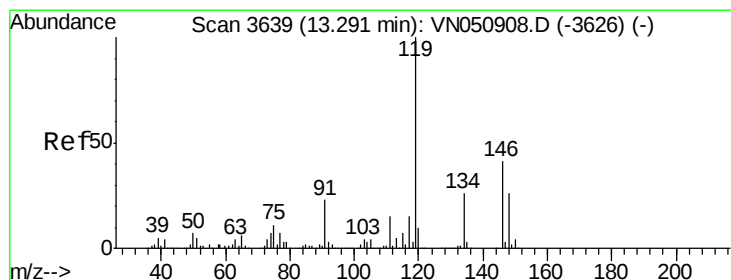
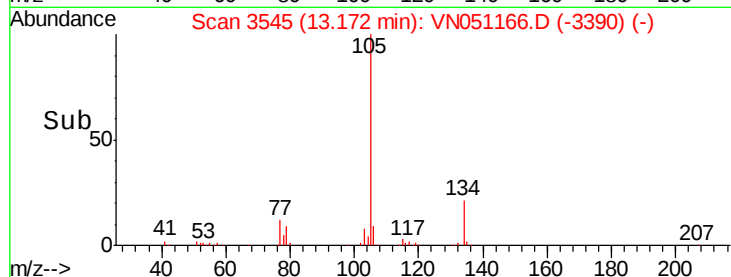
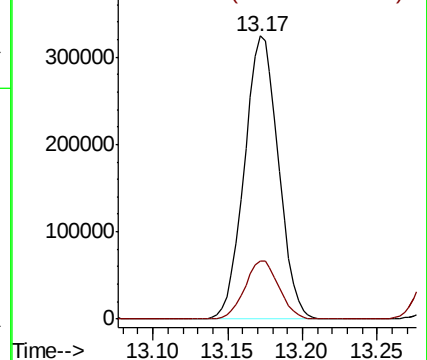
105 100

134 20.6 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 18.10 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

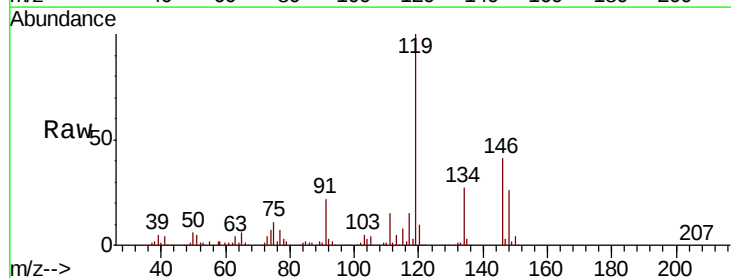
Tgt Ion:119 Resp: 437602

Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

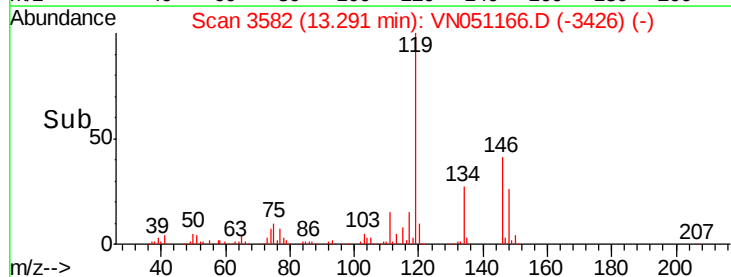
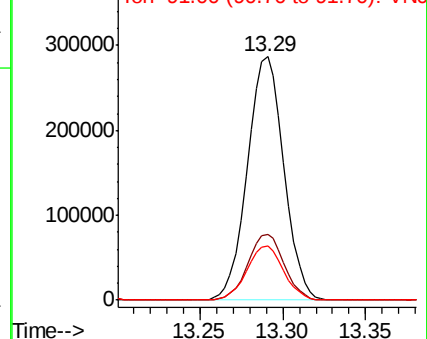
91 22.4 0.0 46.0

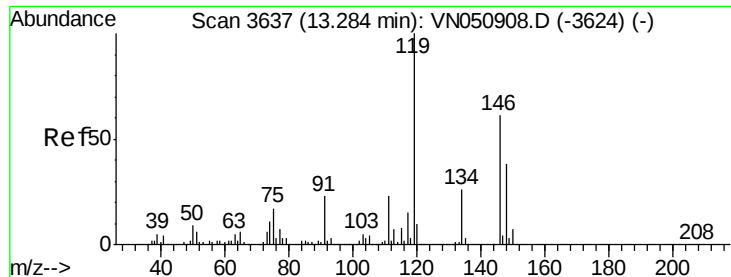


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

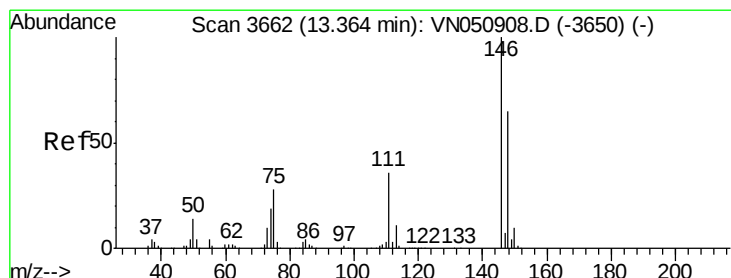
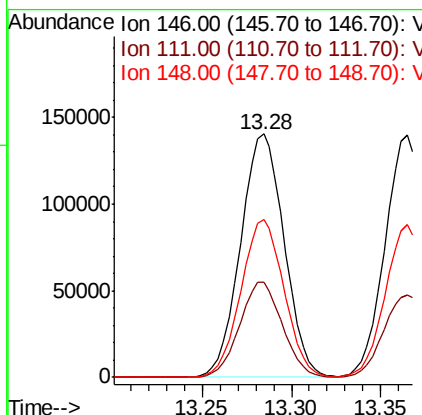
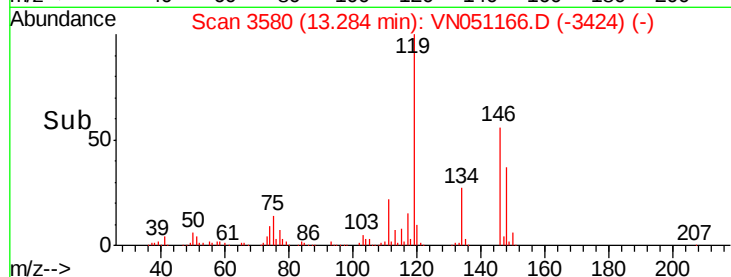
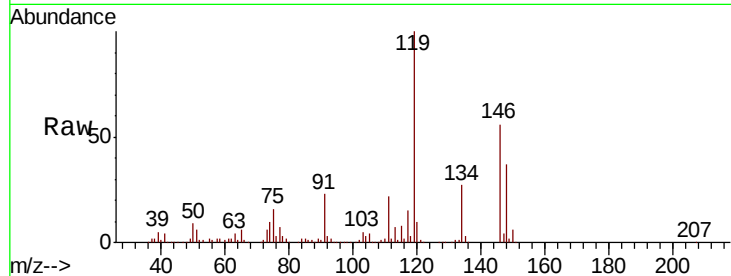




#83
 1,3-Dichlorobenzene
 Concen: 17.90 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

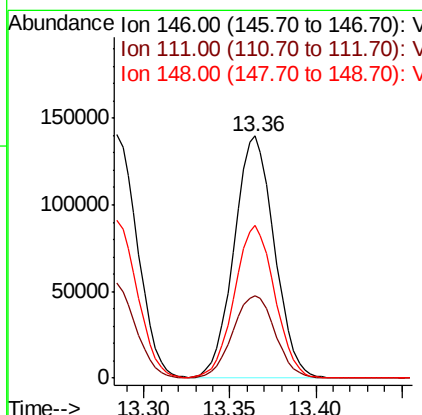
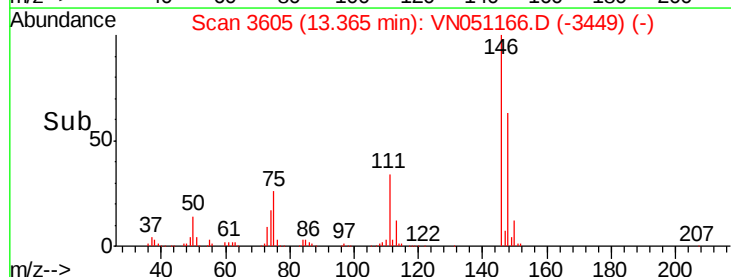
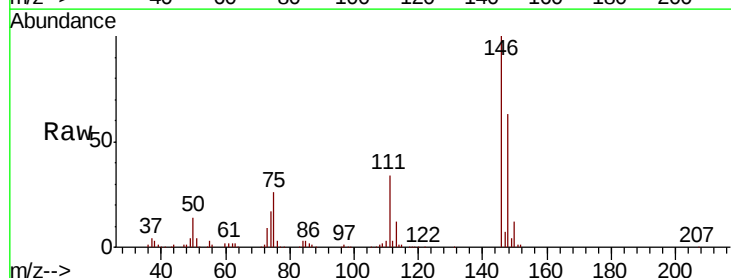
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

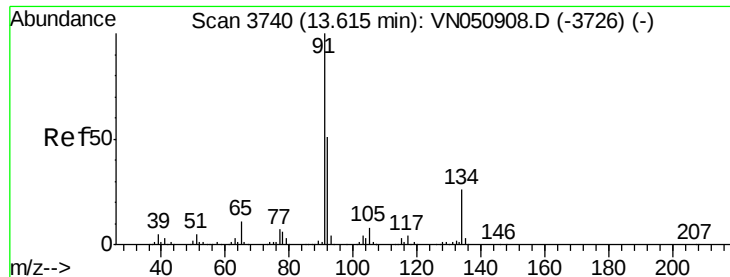
Tot Ion:146 Resp: 240112
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.6
 148 64.1 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 17.96 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion:146 Resp: 228350
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.7 53.1
 148 63.1 31.6 94.8

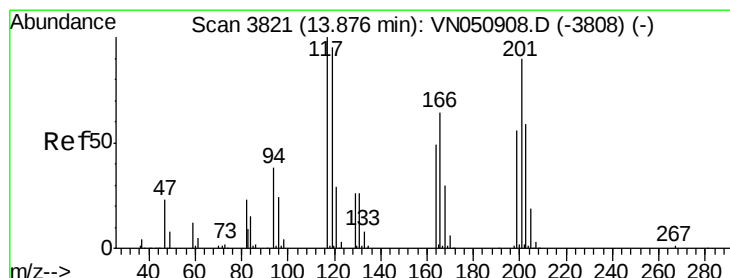
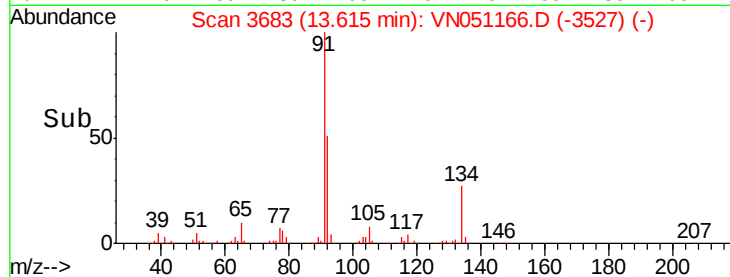
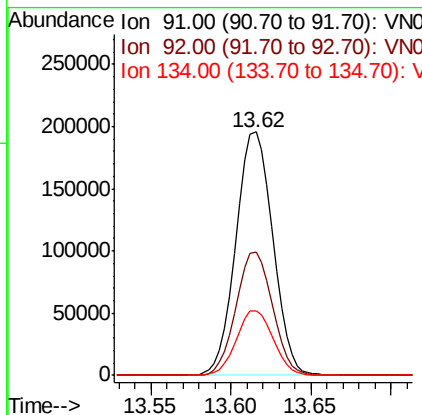
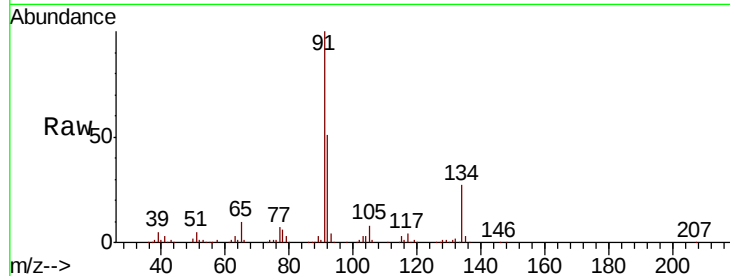




#85
n-Butylbenzene
Concen: 16.67 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

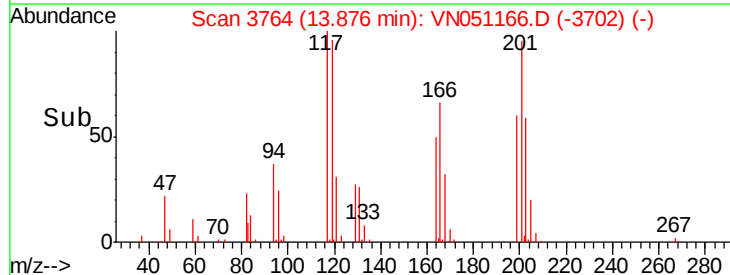
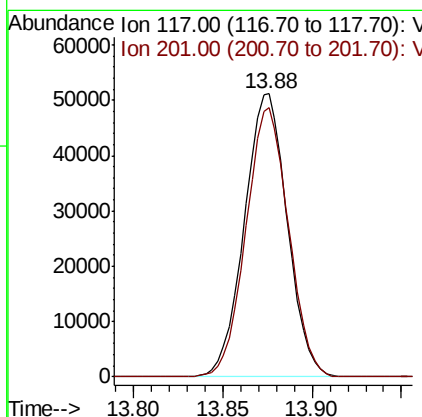
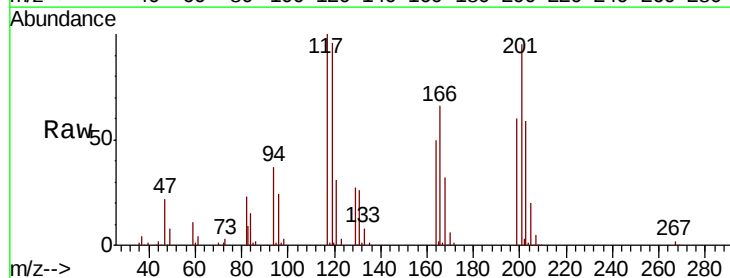
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

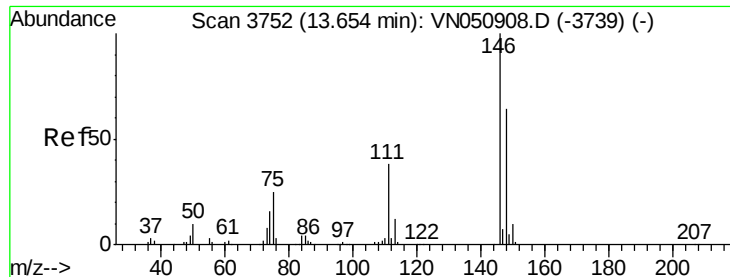
Tot Ion: 91 Resp: 307588
Ion Ratio Lower Upper
91 100
92 49.9 0.0 101.8
134 26.5 0.0 52.2



#86
Hexachloroethane
Concen: 18.57 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051166.D
Acq: 13 Sep 2018 12:42

Tgt Ion: 117 Resp: 86184
Ion Ratio Lower Upper
117 100
201 94.2 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 18.69 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

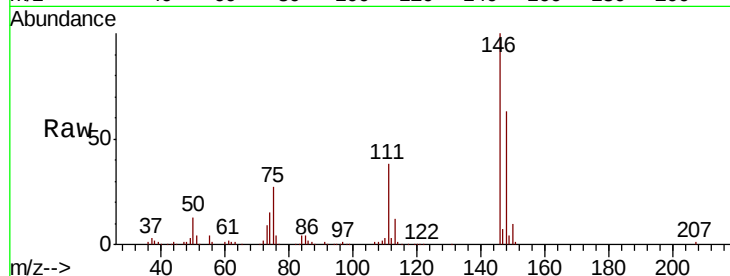
Tot Ion:146 Resp: 246885

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.1

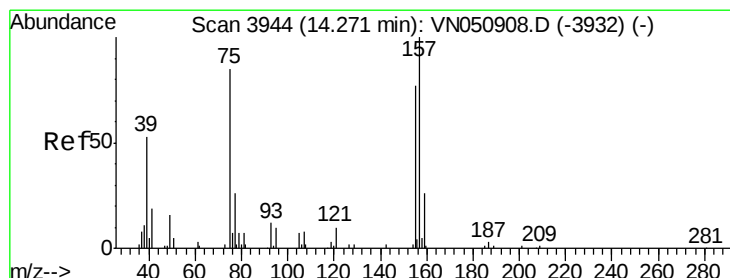
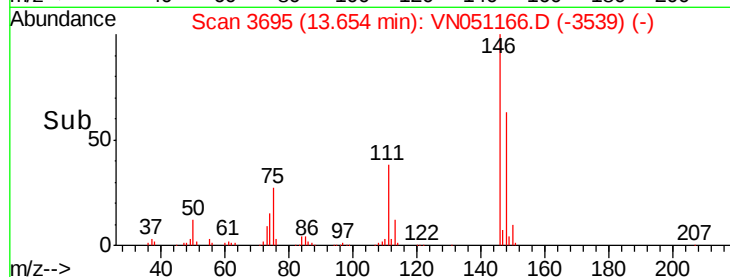
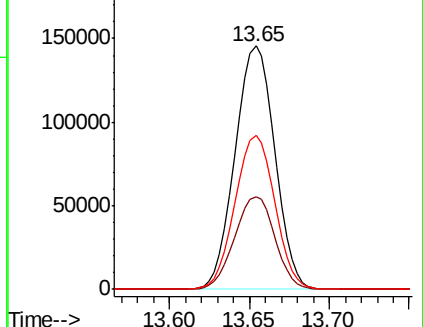
148 63.3 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.53 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

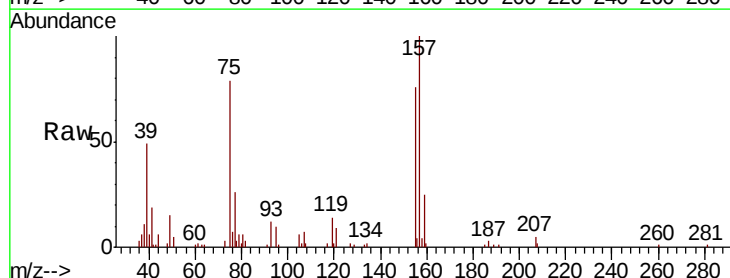
Tgt Ion: 75 Resp: 21170

Ion Ratio Lower Upper

75 100

155 98.5 71.8 107.6

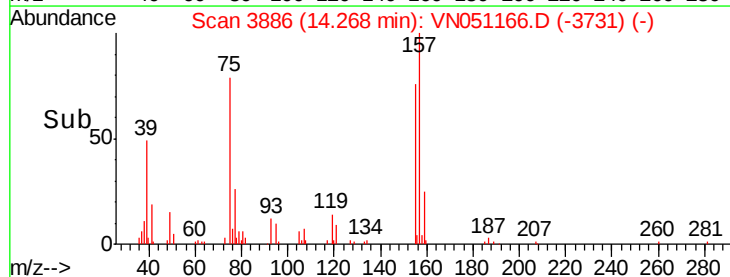
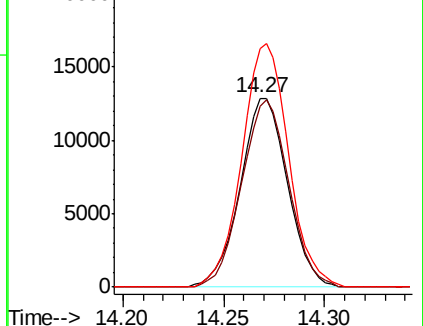
157 127.1 91.1 136.7

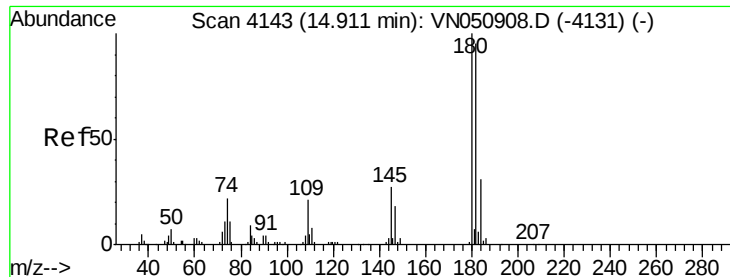


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

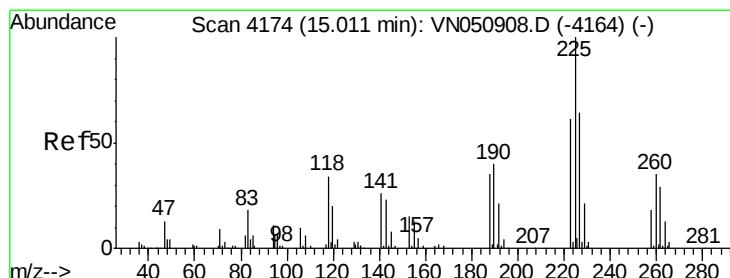
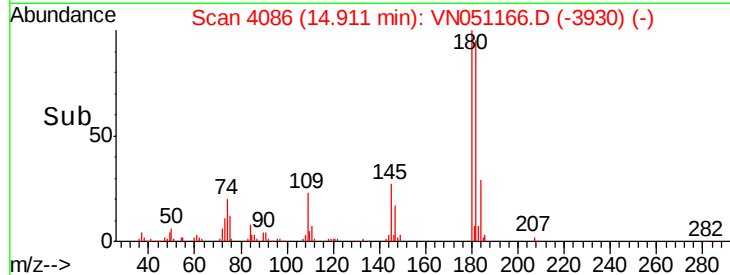
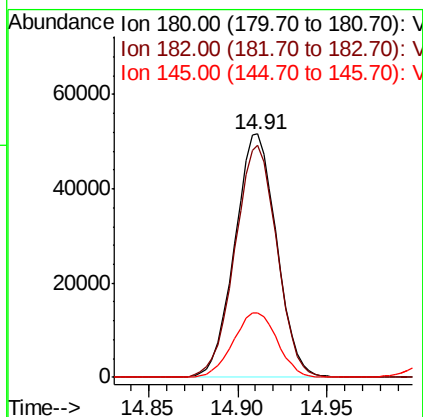
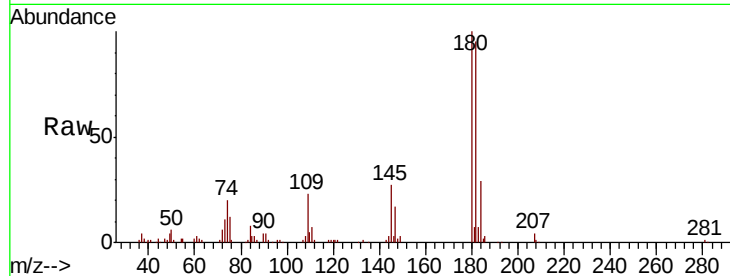




#89
 1,2,4-Trichlorobenzene
 Concen: 14.32 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

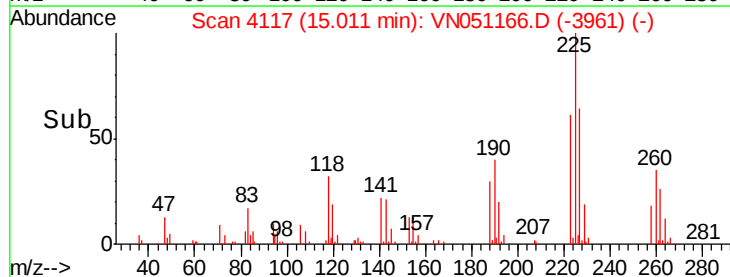
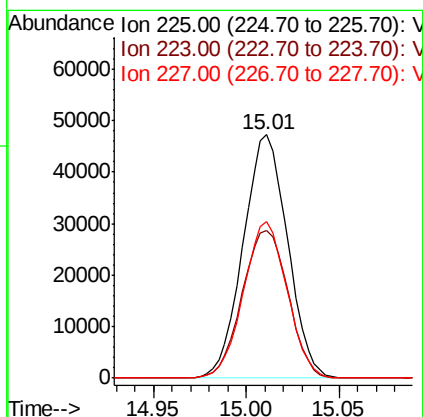
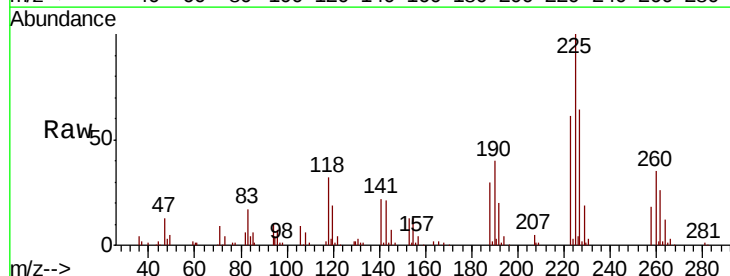
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

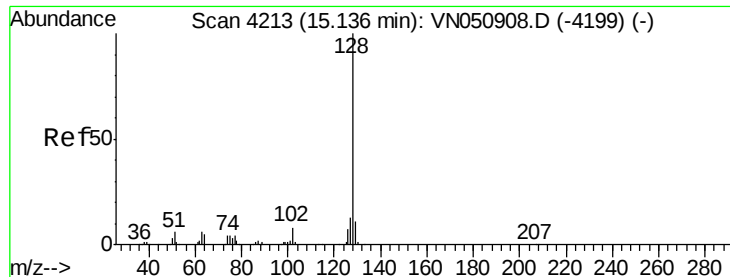
Tot Ion:180 Resp: 84207
 Ion Ratio Lower Upper
 180 100
 182 95.8 76.2 114.4
 145 28.0 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 19.65 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051166.D
 Acq: 13 Sep 2018 12:42

Tgt Ion:225 Resp: 78484
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 127.8
 227 63.0 0.0 128.4





#91

Naphthalene

Concen: 17.85 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

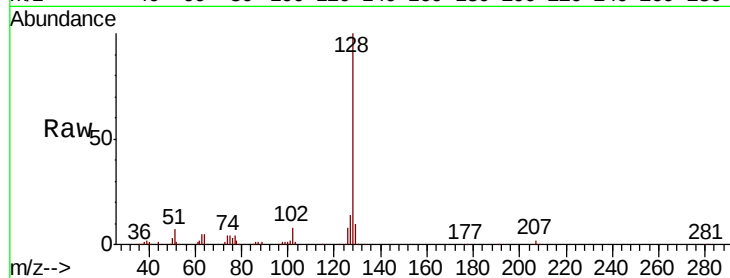
Tot Ion:128 Resp: 170450

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

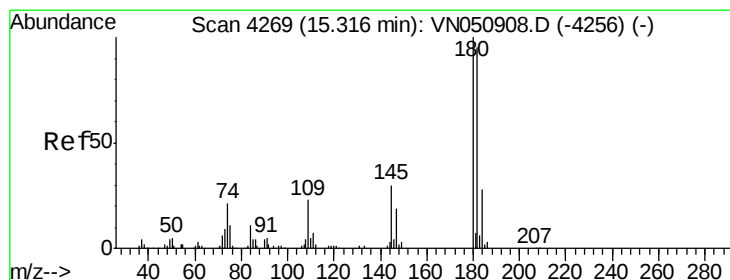
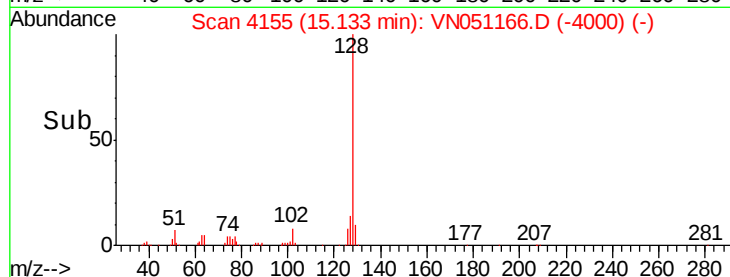
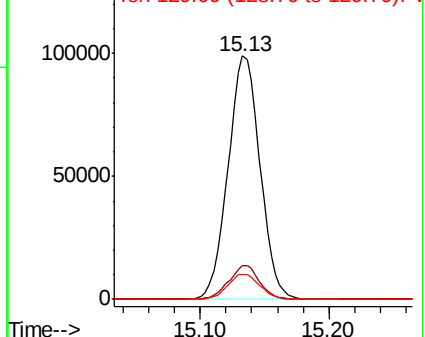
129 10.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.71 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051166.D

Acq: 13 Sep 2018 12:42

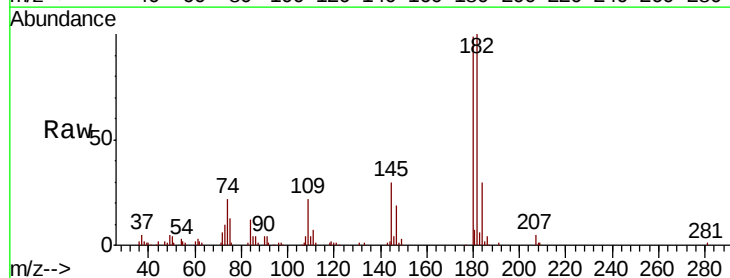
Tgt Ion:180 Resp: 92687

Ion Ratio Lower Upper

180 100

182 97.5 0.0 192.8

145 29.2 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

