

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091318\
 Data File : VN051169.D
 Acq On : 13 Sep 2018 14:54
 Operator : MD\SY
 Sample : VN0913WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

Quant Time: Sep 14 01:09:59 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	7.19	128	111401	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	563480	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	520617	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	207243	29.15	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.17%
60) 4-Bromofluorobenzene	12.40	95	225617	29.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.13%
63) Toluene-d8	10.09	98	707621	29.15	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.17%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	88593	12.81	ug/l	99
3) Chloromethane	2.06	50	122250	14.96	ug/l	100
4) Vinyl Chloride	2.18	62	123176	15.26	ug/l	99
5) Bromomethane	2.56	94	74504	15.14	ug/l	99
6) Chloroethane	2.70	64	75764	15.91	ug/l	98
7) Trichlorofluoromethane	3.01	101	174870	16.34	ug/l	99
8) Diethyl Ether	3.41	74	67530	17.90	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	111523	16.83	ug/l	98
10) 1,1-Dichloroethene	3.73	96	100059	16.62	ug/l	97
11) Methyl Iodide	3.95	142	77381	13.78	ug/l	99
12) Methyl Acetate	4.33	43	107560	15.45	ug/l	99
13) Acrolein	3.61	56	48531	314.87	ug/l	98
14) Acrylonitrile	4.99	53	218242	92.73	ug/l	96
15) Acetone	3.82	58	55524	92.20	ug/l	97
16) Carbon Disulfide	4.05	76	285840	15.79	ug/l	100
17) Allyl chloride	4.32	41	156517	16.53	ug/l	98
18) Methylene Chloride	4.54	84	126254	17.87	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	109821	17.12	ug/l	93
20) Diisopropyl ether	5.95	45	357820	18.20	ug/l	97
21) 1,1-Dichloroethane	5.85	63	211797	17.57	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	127107	17.55	ug/l	100
23) tert-Butyl Alcohol	4.79	59	29204	58.35	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	305586	18.56	ug/l	99
25) Chloroform	7.37	83	213490	17.74	ug/l	95
26) Cyclohexane	7.65	56	158890	15.91	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	151467	17.96	ug/l	99
30) 2-Butanone	6.84	43	240372	92.62	ug/l	99
31) 2,2-Dichloropropane	6.82	77	173189	21.10	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	175923	18.39	ug/l	99
33) Carbon Tetrachloride	7.77	117	155981	18.11	ug/l	96
34) Benzene	8.04	78	480890	18.43	ug/l	99
35) Methacrylonitrile	7.17	41	50802	17.87	ug/l	95
36) 1,2-Dichloroethane	8.12	62	151804	19.23	ug/l	99
37) Trichloroethene	8.83	130	131555	19.29	ug/l	97
38) Methylcyclohexane	9.08	83	166052	18.33	ug/l	99
39) 1,2-Dichloropropane	9.12	63	129620	19.02	ug/l	99
40) Dibromomethane	9.21	93	80937	19.71	ug/l	98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	169335	19.57	ug/l	100
42) Vinyl Acetate	5.90	43	1188716	99.45	ug/l	99
43) Ethyl Acetate	6.93	43	104031	19.57	ug/l	98
44) Isopropyl Acetate	8.16	43	191721	20.44	ug/l	100
45) 1,4-Dioxane	9.20	88	27783	398.69	ug/l	97
46) Methyl methacrylate	9.20	41	90356	19.23	ug/l	93
47) n-amyl Acetate	12.07	43	135370	17.95	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	161724	19.06	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	189484	19.44	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	137813	23.10	ug/l	98
51) Ethyl methacrylate	10.43	69	139031	19.05	ug/l	99
52) 1,3-Dichloropropane	10.71	76	198759	20.11	ug/l	91
53) Dibromochloromethane	10.90	129	133616	19.70	ug/l	98
54) 1,2-Dibromoethane	11.01	107	115095	19.51	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	314306	103.49	ug/l #	85
56) Bromoform	12.13	173	94798	19.65	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	538138	90.34	ug/l	98
59) 2-Hexanone	10.75	43	356295	91.51	ug/l	95
61) Tetrachloroethene	10.63	164	117767	18.15	ug/l	98
62) Toluene	10.16	91	522772	18.00	ug/l	100
64) Chlorobenzene	11.43	112	339256	18.85	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	131744	19.38	ug/l #	1
66) Ethyl Benzene	11.51	91	654008	21.74	ug/l	94
67) m/p-Xylenes	11.62	106	432704	37.38	ug/l	99
68) o-Xylene	11.95	106	202750	18.33	ug/l	99
69) Styrene	11.96	104	323314	18.39	ug/l	98
70) Isopropylbenzene	12.25	105	571947	19.46	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	156000	19.60	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	171441	24.97	ug/l	97
73) Bromobenzene	12.53	156	138872	17.96	ug/l	99
74) n-propylbenzene	12.59	91	579542	17.44	ug/l	99
75) 2-Chlorotoluene	12.67	91	362737	17.97	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	433807	18.06	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	34936	17.86	ug/l	95
78) 4-Chlorotoluene	12.77	91	350508	17.63	ug/l	99
79) tert-butylbenzene	12.99	119	370248	17.75	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	427729	17.86	ug/l	100
81) sec-Butylbenzene	13.17	105	479543	17.57	ug/l	99
82) p-Isopropyltoluene	13.29	119	410426	17.42	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	228153	17.45	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	211016	17.03	ug/l	98
85) n-Butylbenzene	13.62	91	288147	16.03	ug/l	99
86) Hexachloroethane	13.87	117	84317	18.65	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	224917	17.48	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20299	18.23	ug/l	87
89) 1,2,4-Trichlorobenzene	14.91	180	87713	15.31	ug/l	98
90) Hexachlorobutadiene	15.01	225	72499	18.63	ug/l	97
91) Naphthalene	15.13	128	176186	18.42	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	93566	16.28	ug/l	97

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Quant Time: Sep 14 01:09:59 2018
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QLast Update : Wed Aug 29 01:38:44 2018
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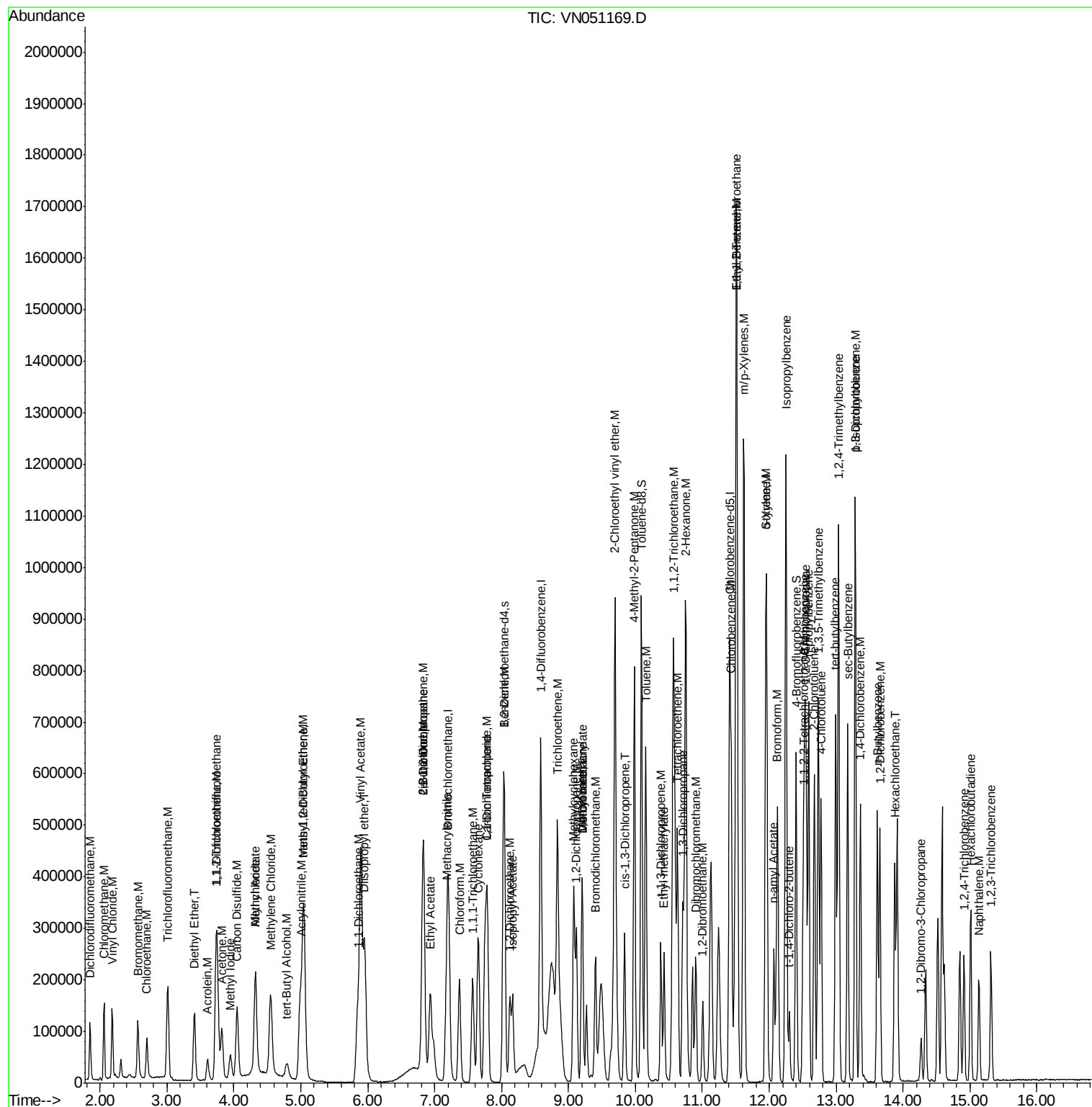
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Sep 14 01:09:59 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

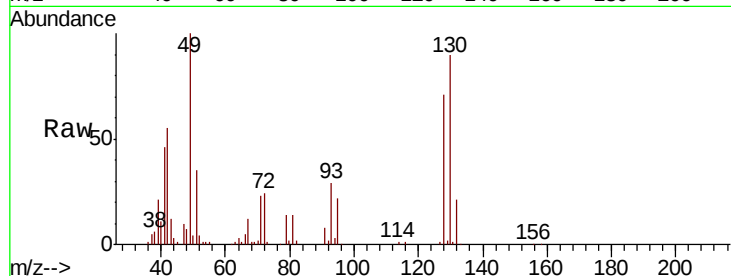
Tot Ion:128 Resp: 111401

Ion Ratio Lower Upper

128 100

49 141.9 0.0 380.3

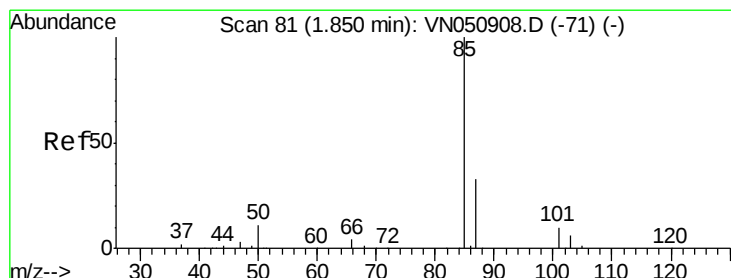
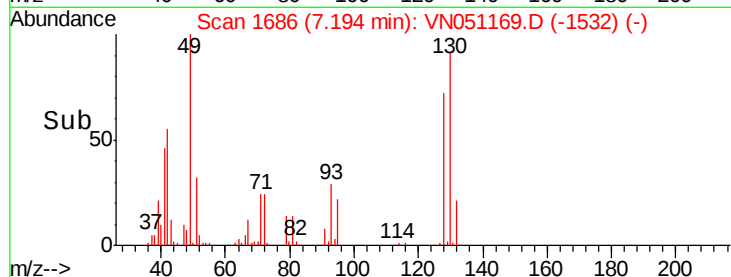
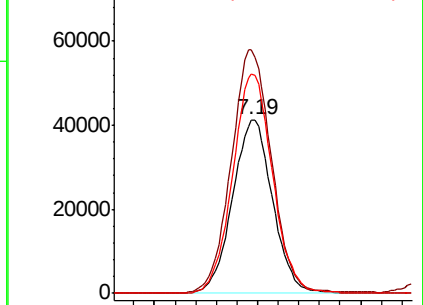
130 126.5 0.0 325.3



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: 12.81 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051169.D

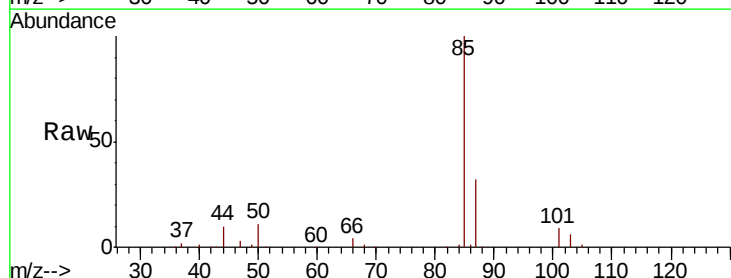
Acq: 13 Sep 2018 14:54

Tgt Ion: 85 Resp: 88593

Ion Ratio Lower Upper

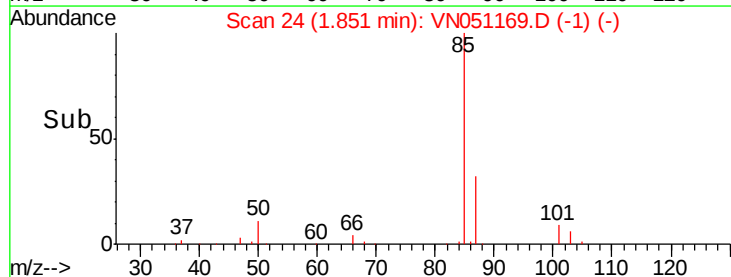
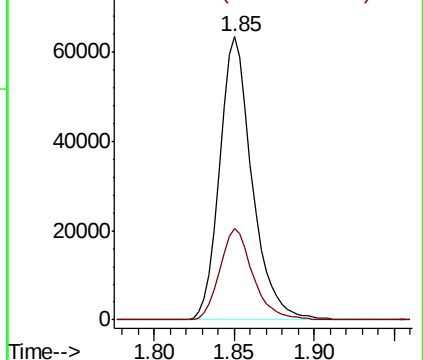
85 100

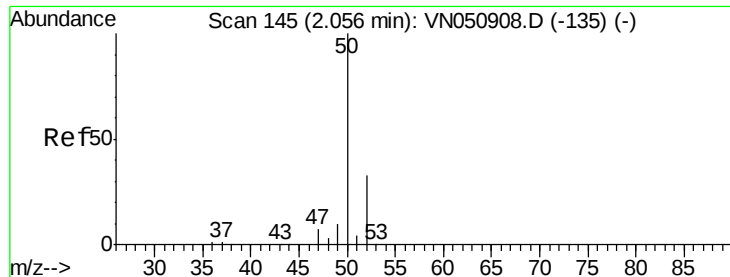
87 32.4 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 14.96 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

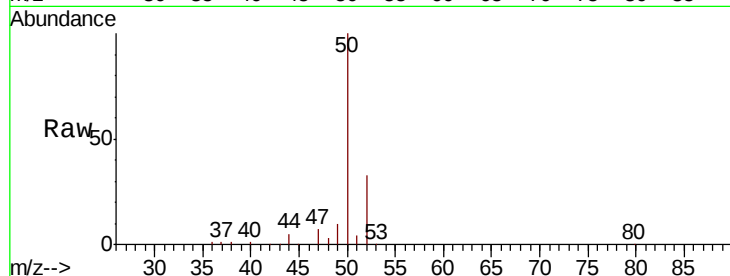
VN0913WBSD02

Tot Ion: 50 Resp: 122250

Ion Ratio Lower Upper

50 100

52 32.7 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.06

100000

80000

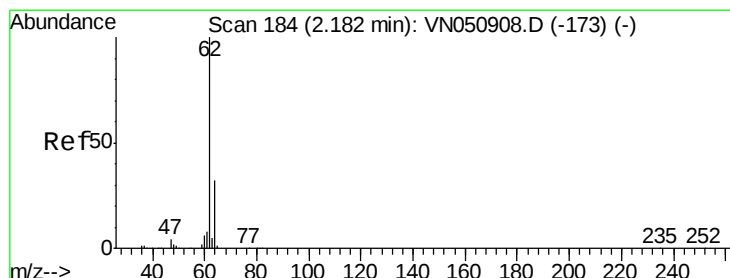
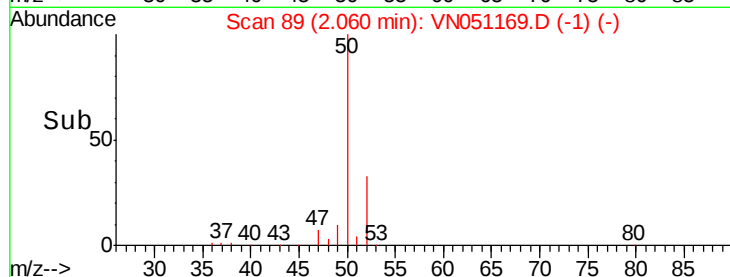
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 15.26 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051169.D

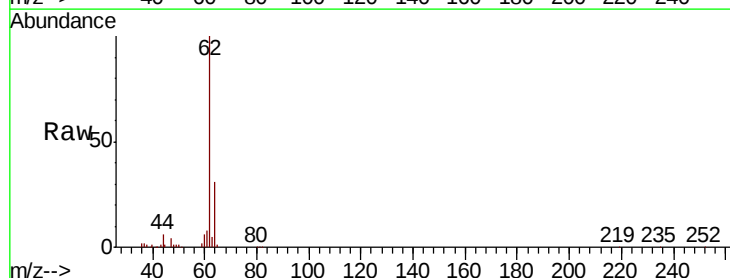
Acq: 13 Sep 2018 14:54

Tgt Ion: 62 Resp: 123176

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.18

80000

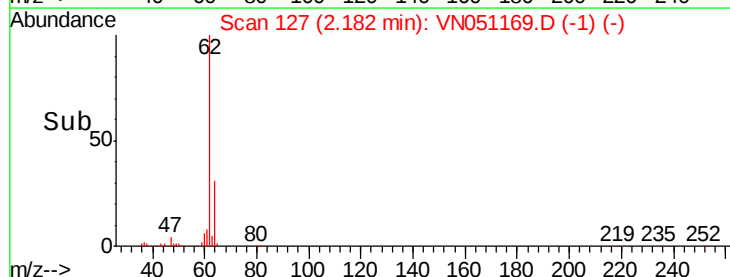
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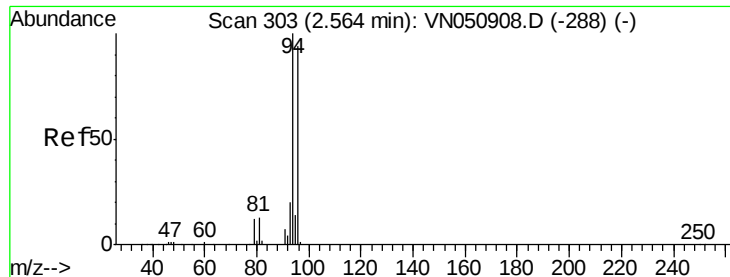
40000

20000

0

Time-->





#5

Bromomethane

Concen: 15.14 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

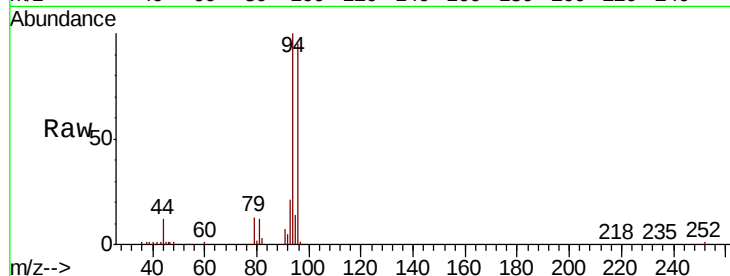
VN0913WBSD02

Tot Ion: 94 Resp: 74504

Ion Ratio Lower Upper

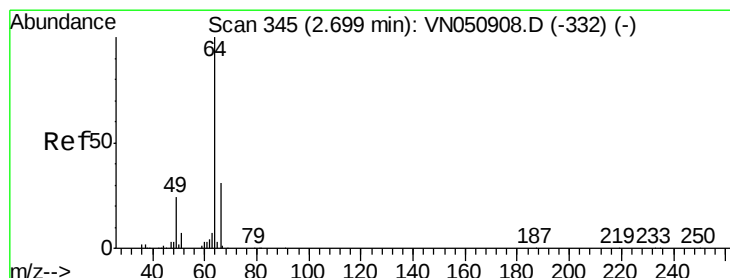
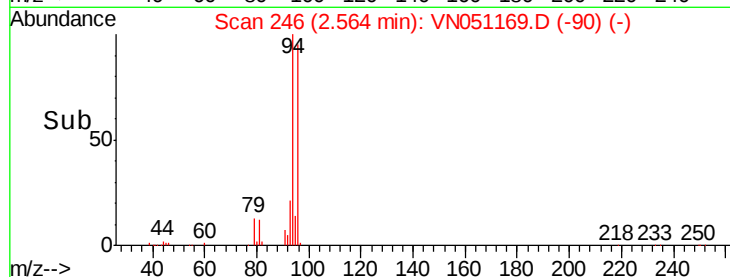
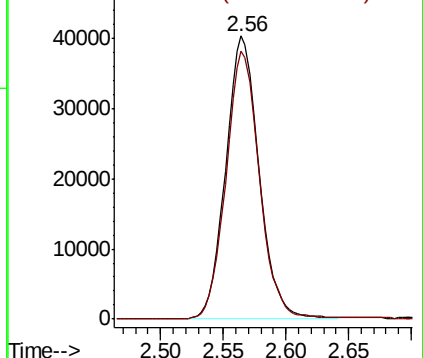
94 100

96 94.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 15.91 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051169.D

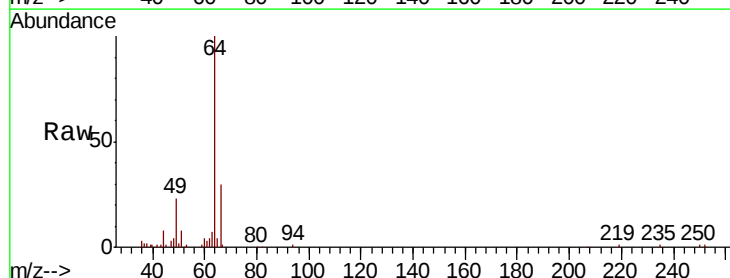
Acq: 13 Sep 2018 14:54

Tgt Ion: 64 Resp: 75764

Ion Ratio Lower Upper

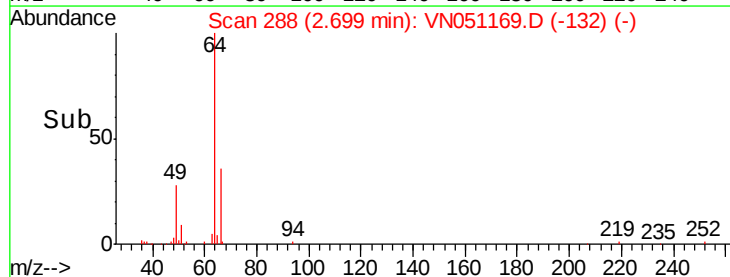
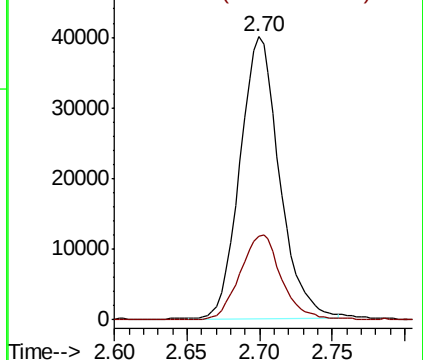
64 100

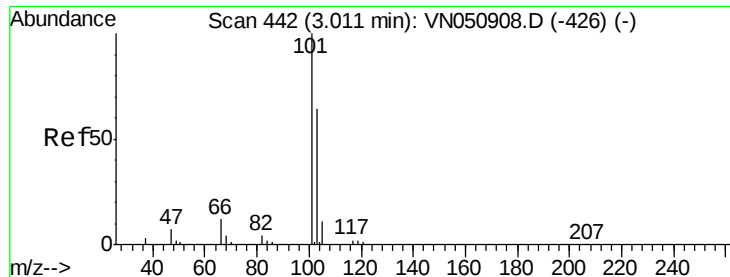
66 29.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



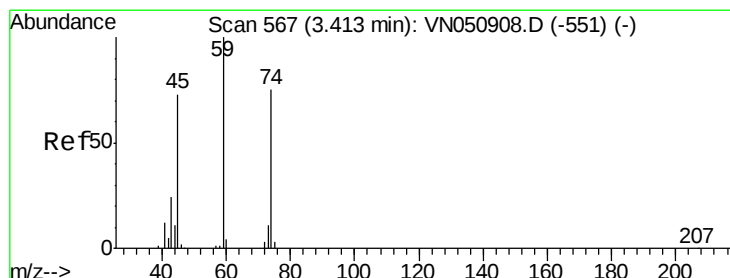
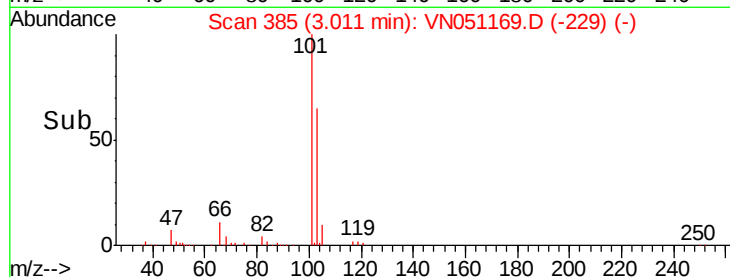
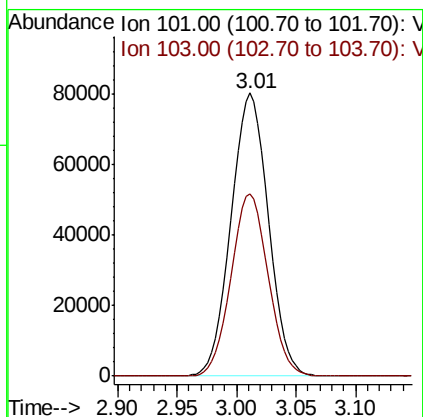
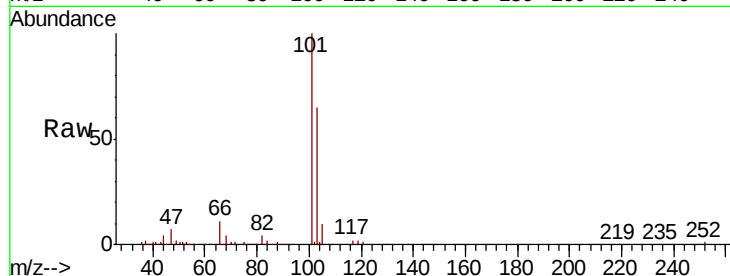


#7

Trichlorofluoromethane
 Concen: 16.34 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Instrument :
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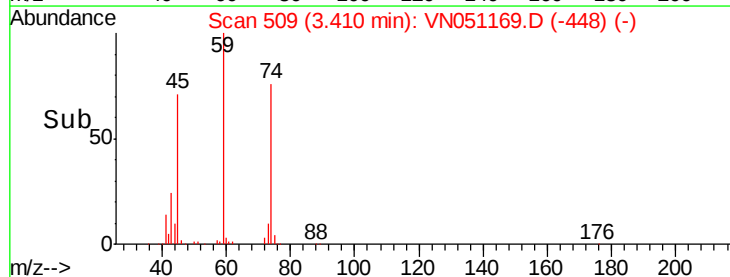
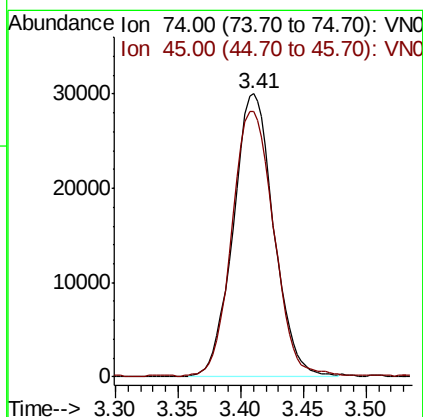
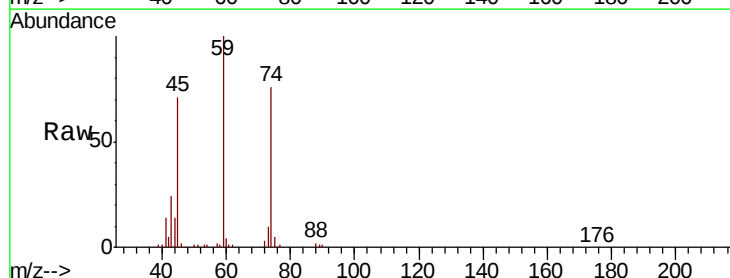
Tot Ion:101 Resp: 174870
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9

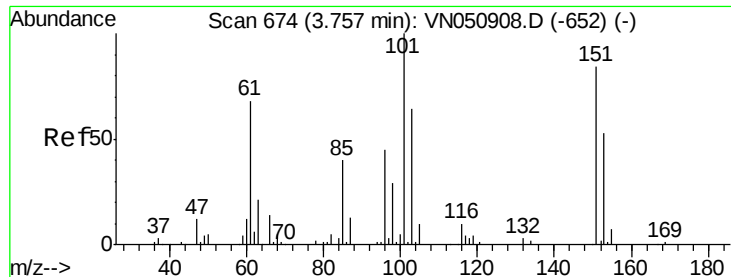


#8

Diethyl Ether
 Concen: 17.90 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion: 74 Resp: 67530
 Ion Ratio Lower Upper
 74 100
 45 97.5 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.83 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

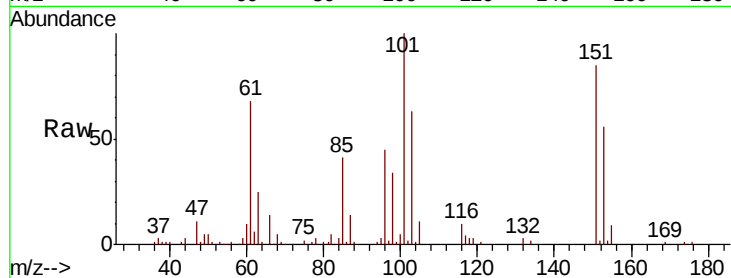
Tot Ion:101 Resp: 111523

Ion Ratio Lower Upper

101 100

85 41.3 0.0 83.6

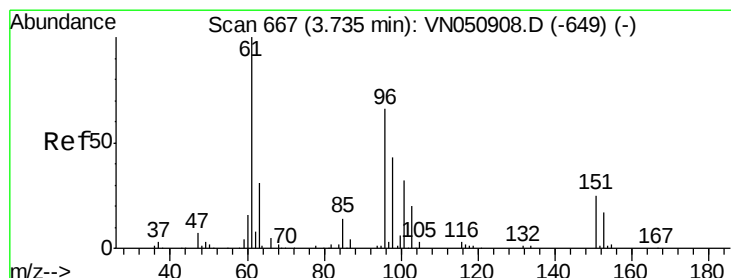
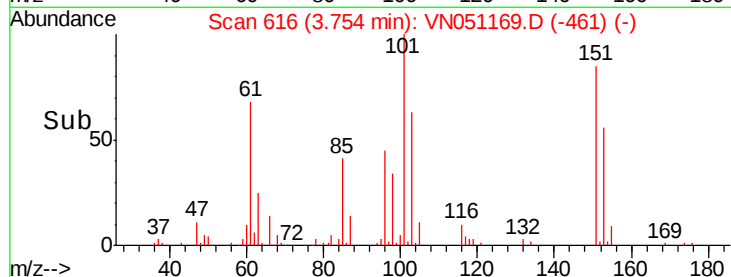
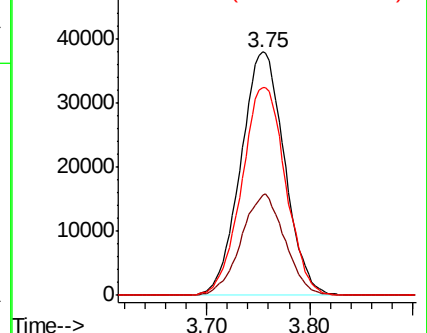
151 85.7 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 16.62 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

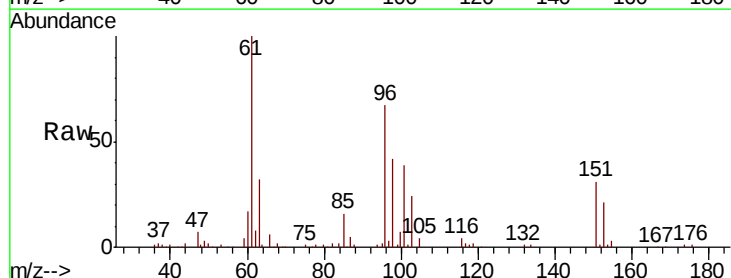
Tgt Ion: 96 Resp: 100059

Ion Ratio Lower Upper

96 100

61 149.1 121.8 182.8

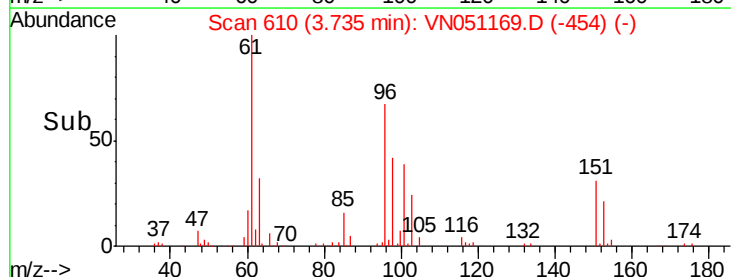
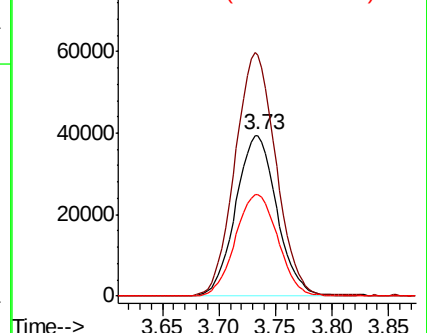
98 63.4 52.3 78.5

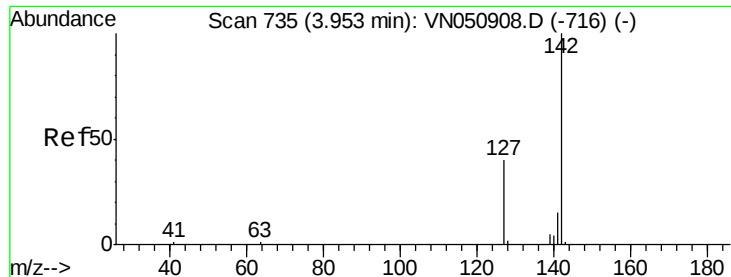


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

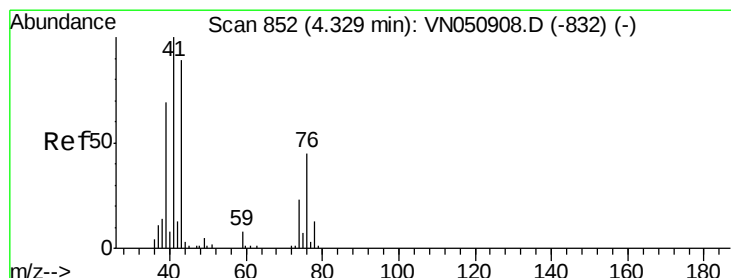
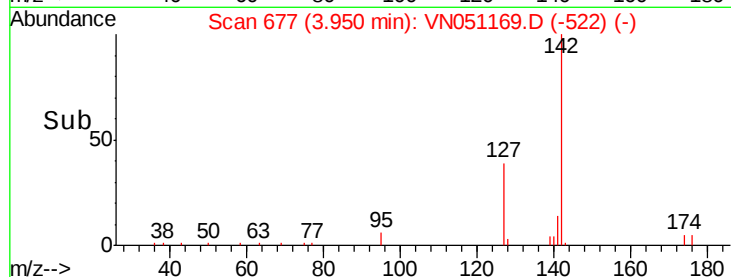
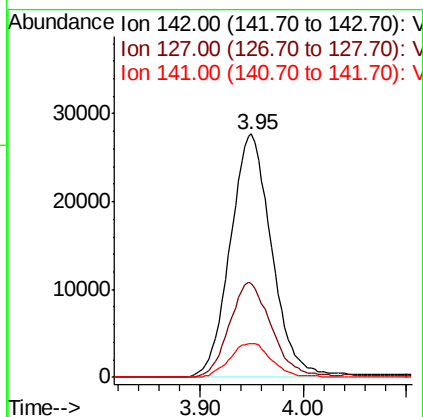
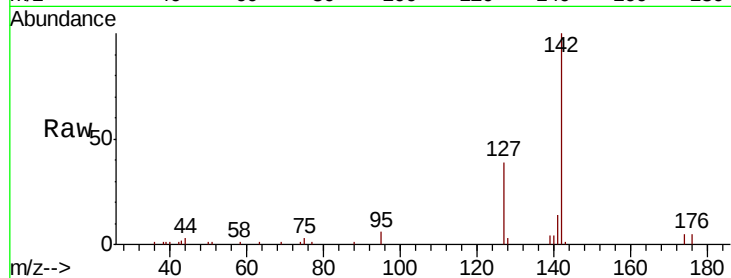




#11
Methyl Iodide
Concen: 13.78 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

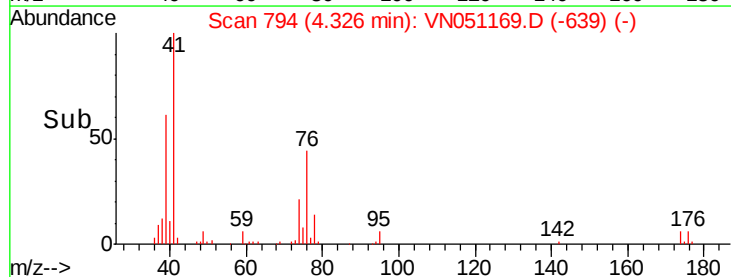
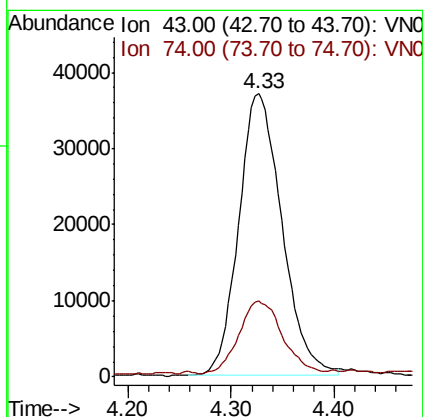
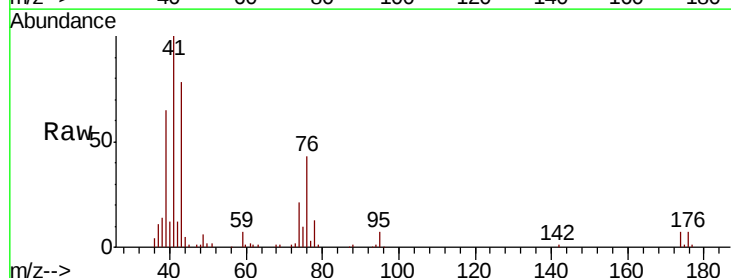
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

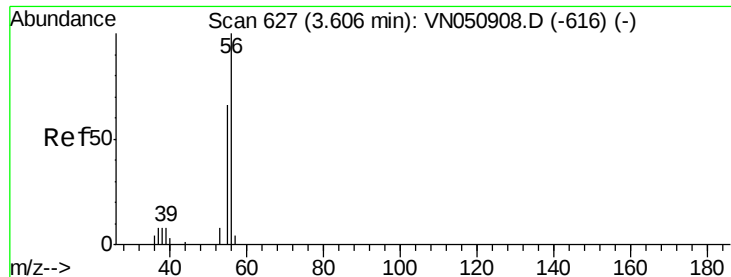
Tot Ion:142 Resp: 77381
Ion Ratio Lower Upper
142 100
127 38.8 19.7 59.1
141 14.0 7.3 22.0



#12
Methyl Acetate
Concen: 15.45 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 43 Resp: 107560
Ion Ratio Lower Upper
43 100
74 25.3 20.6 31.0





#13

Acrolein

Concen: 314.87 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

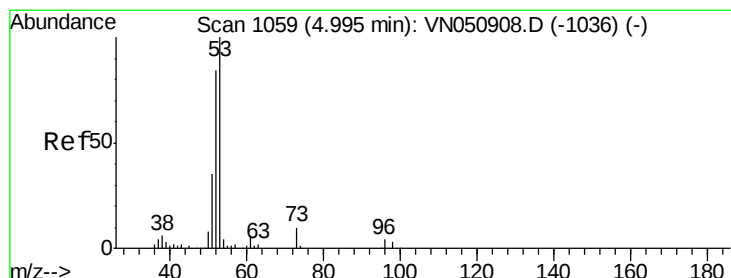
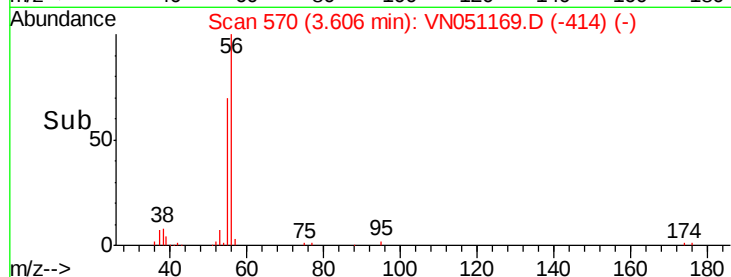
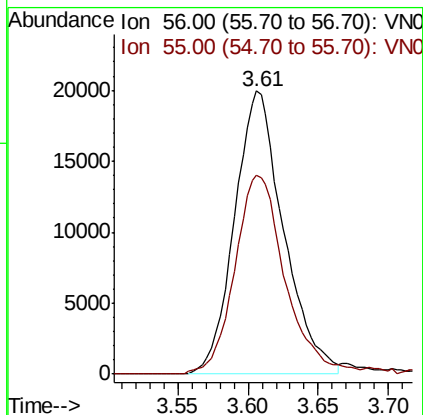
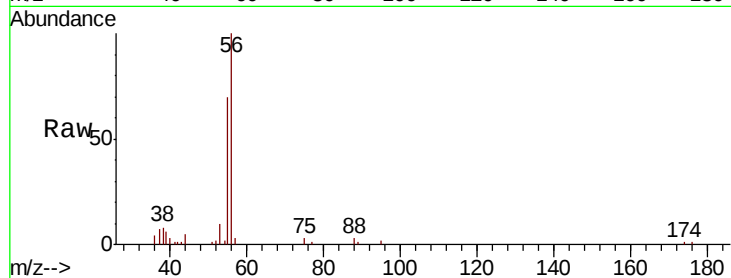
VN0913WBSD02

Tot Ion: 56 Resp: 48531

Ion Ratio Lower Upper

56 100

55 71.9 59.1 88.7



#14

Acrylonitrile

Concen: 92.73 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

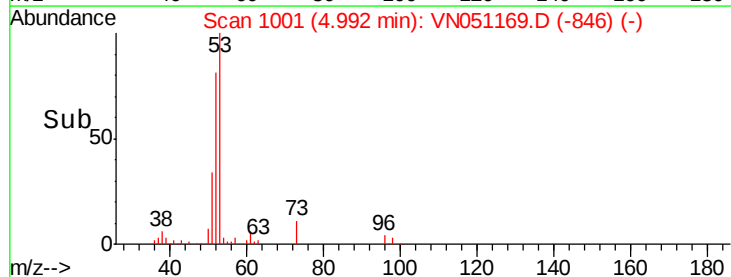
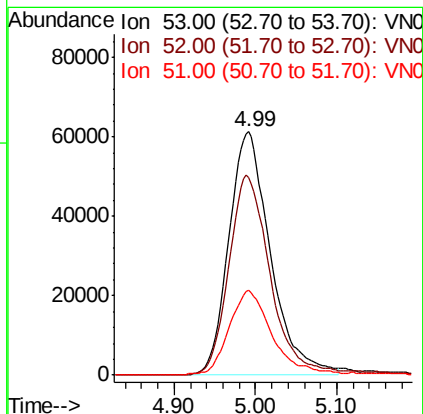
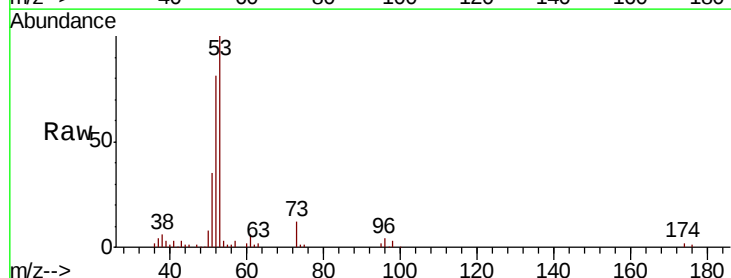
Tgt Ion: 53 Resp: 218242

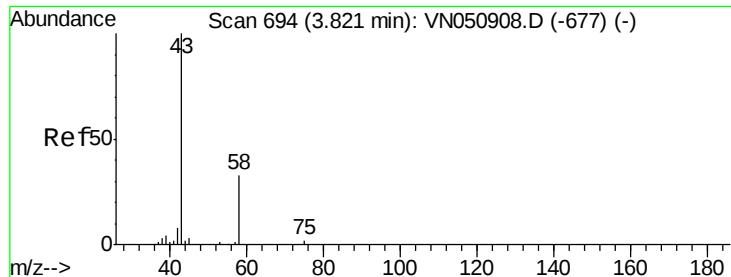
Ion Ratio Lower Upper

53 100

52 80.2 42.2 126.6

51 33.1 17.7 53.1





#15

Acetone

Concen: 92.20 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

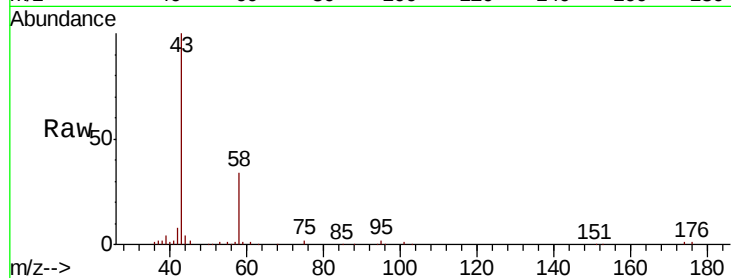
VN0913WBSD02

Tot Ion: 58 Resp: 55524

Ion Ratio Lower Upper

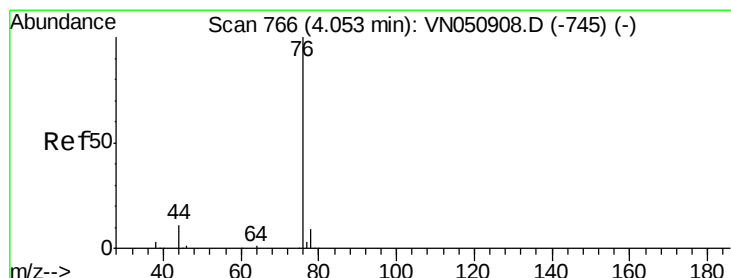
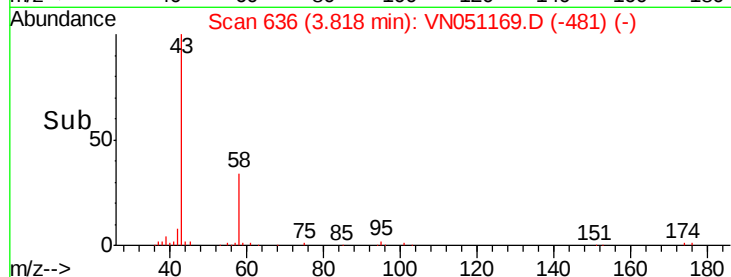
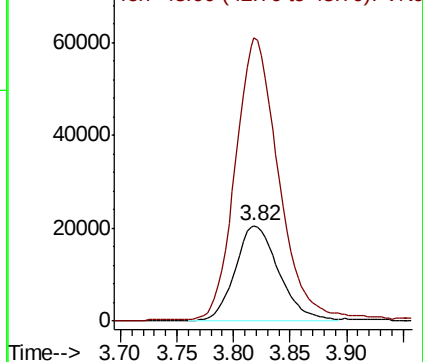
58 100

43 294.3 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.79 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN051169.D

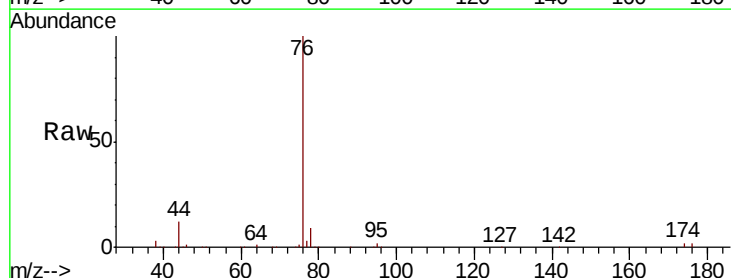
Acq: 13 Sep 2018 14:54

Tgt Ion: 76 Resp: 285840

Ion Ratio Lower Upper

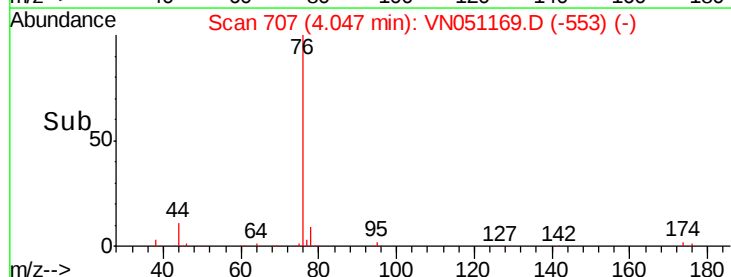
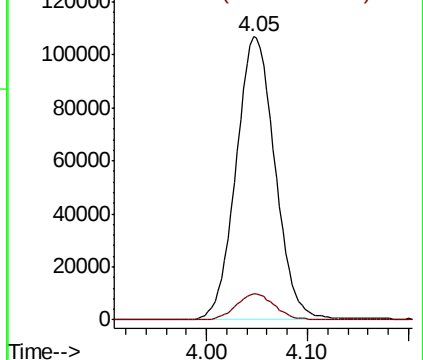
76 100

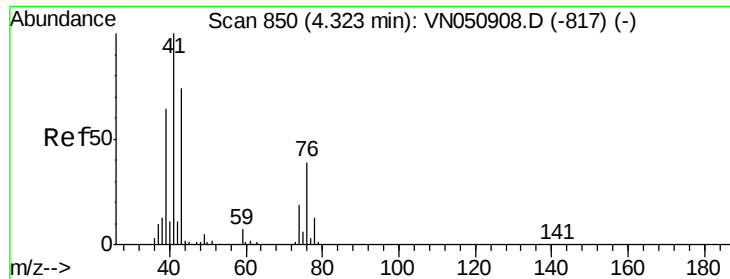
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

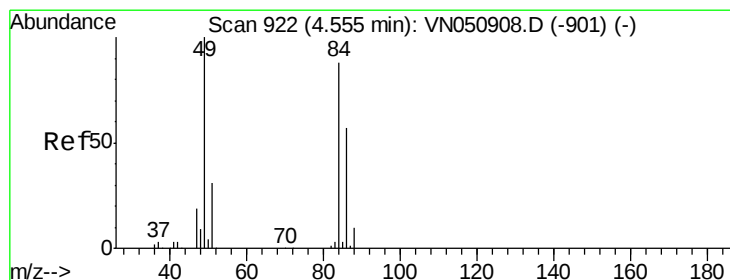
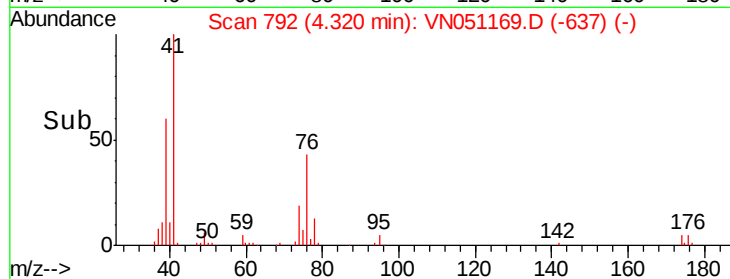
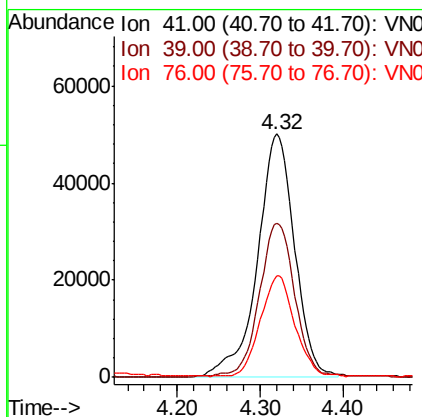
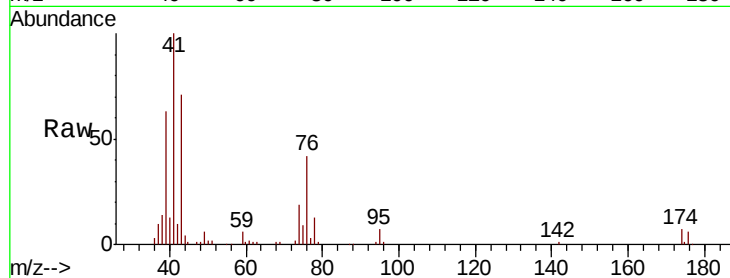




#17
Allvl chloride
Concen: 16.53 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

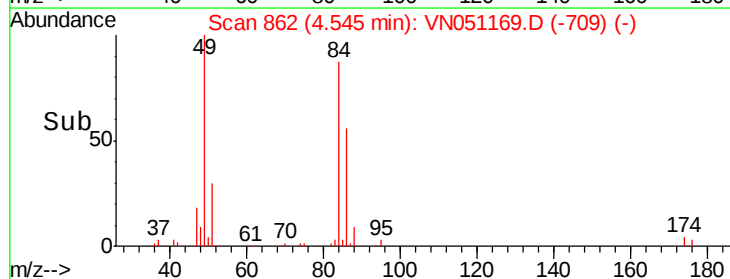
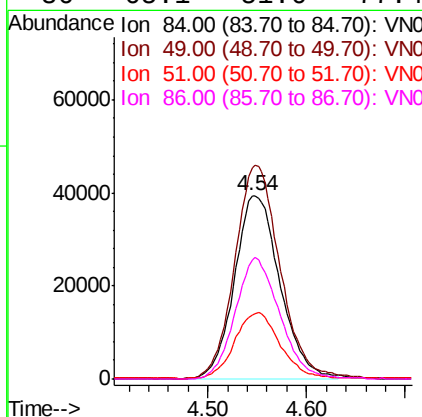
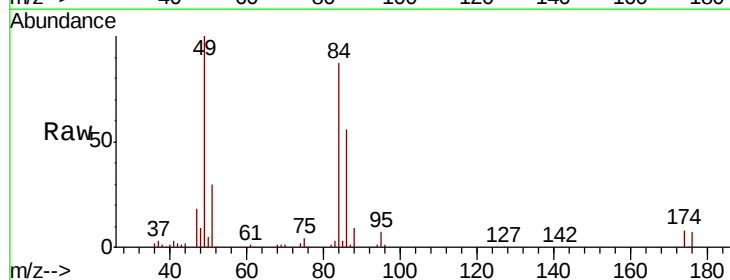
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

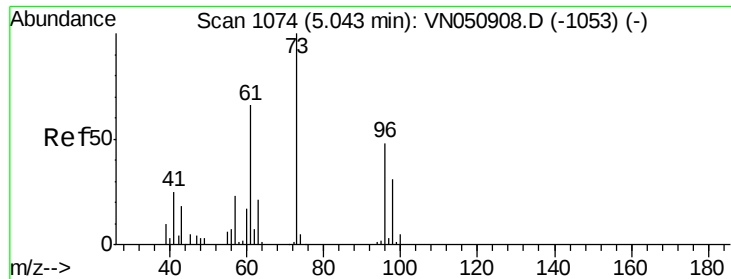
Tot Ion	Ratio	Lower	Upper
41	100		
39	62.9	32.2	96.6
76	40.9	19.6	58.7



#18
Methylene Chloride
Concen: 17.87 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	90.6	135.8
51	34.4	28.4	42.6
86	65.1	51.6	77.4

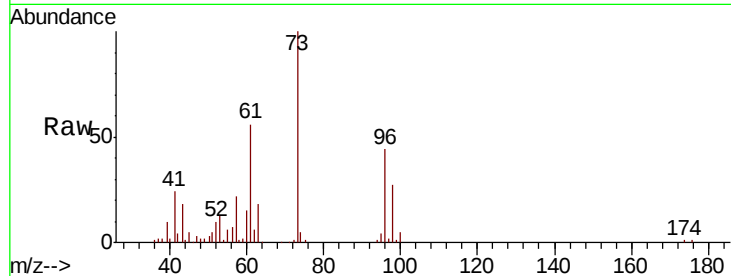




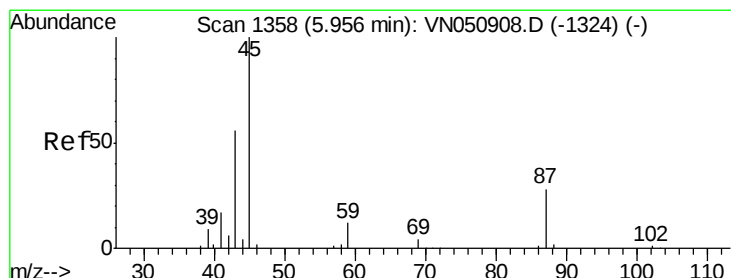
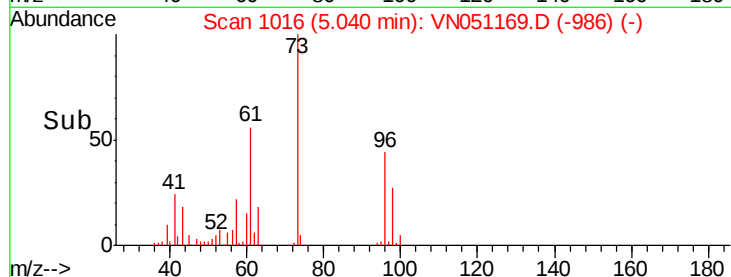
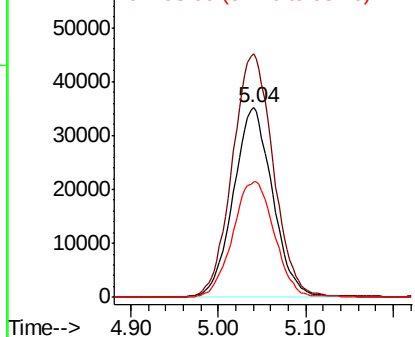
#19
trans-1,2-Dichloroethene
Concen: 17.12 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion: 96 Resp: 109821
Ion Ratio Lower Upper
96 100
61 127.6 109.5 164.3
98 60.9 51.9 77.9

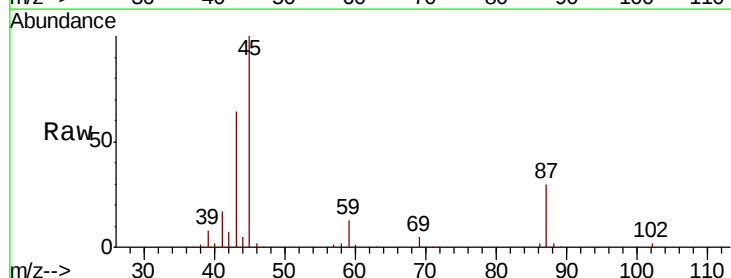


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

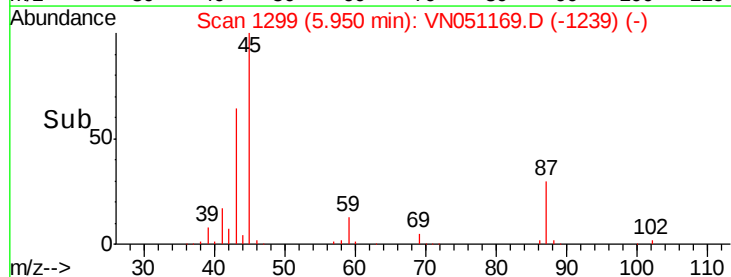
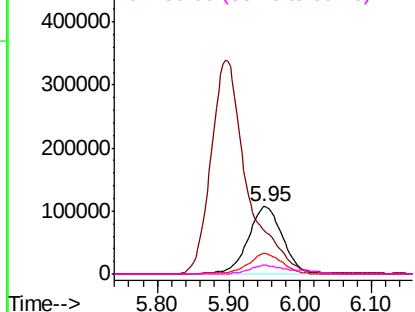


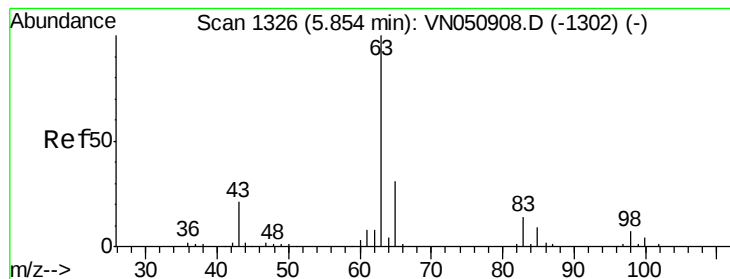
#20
Diisopropyl ether
Concen: 18.20 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 45 Resp: 357820
Ion Ratio Lower Upper
45 100
43 61.8 47.0 70.6
87 30.2 22.8 34.2
59 12.5 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: 17.57 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

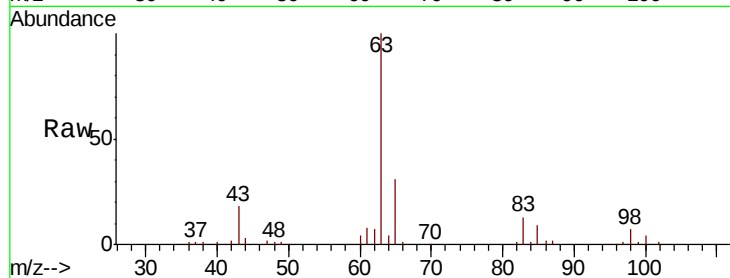
Tot Ion: 63 Resp: 211797

Ion Ratio Lower Upper

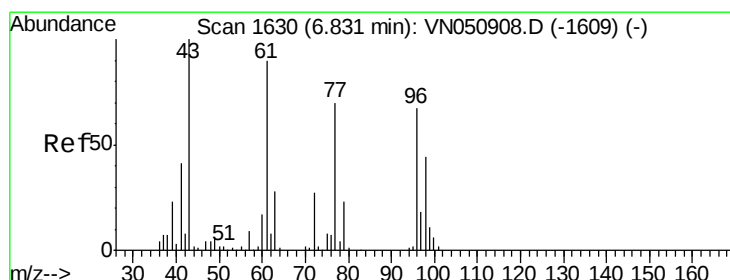
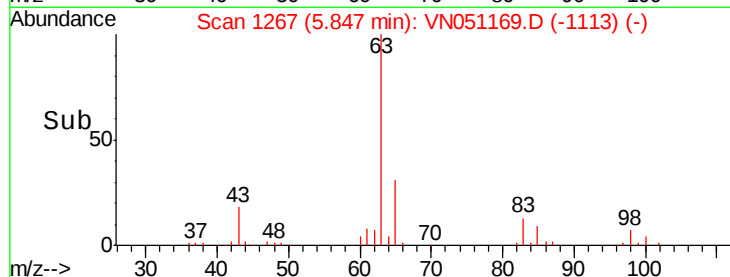
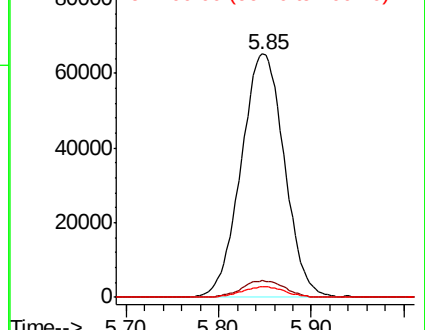
63 100

98 6.8 3.3 9.9

100 4.4 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: 17.55 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

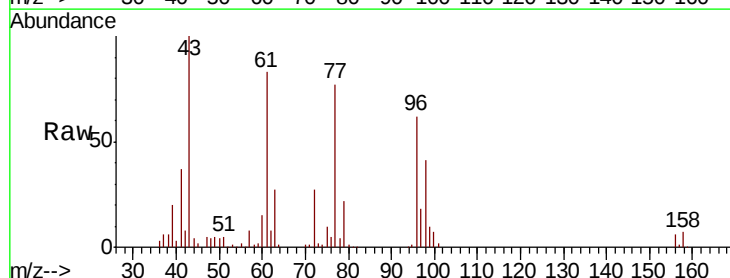
Tgt Ion: 96 Resp: 127107

Ion Ratio Lower Upper

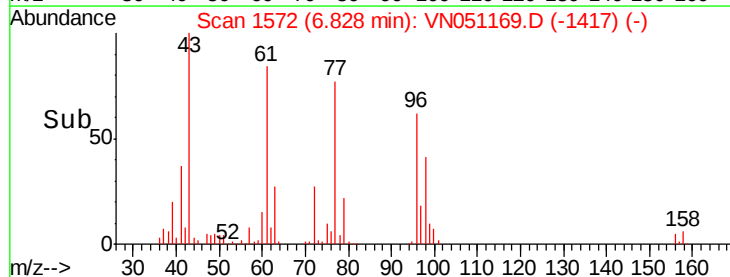
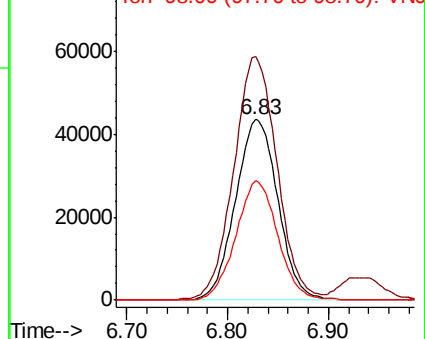
96 100

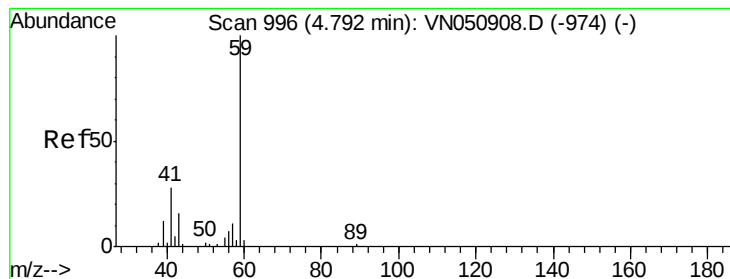
61 137.9 110.0 165.0

98 65.1 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: 58.35 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.01 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

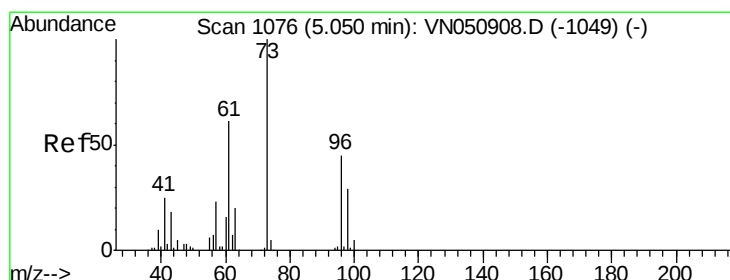
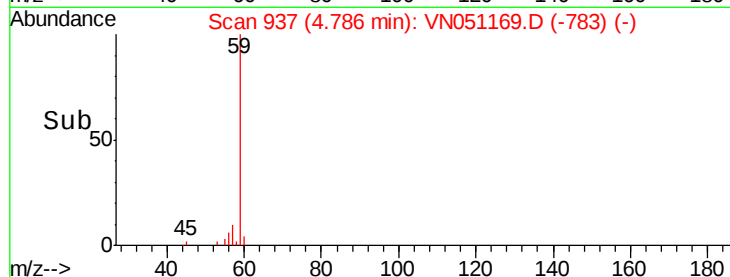
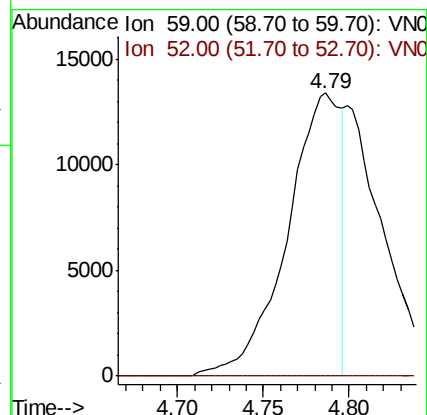
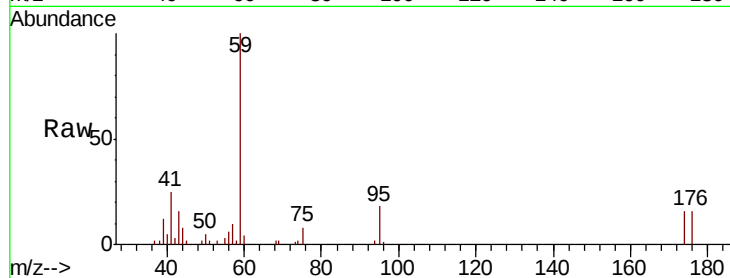
VN0913WBSD02

Tot Ion: 59 Resp: 29204

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 18.56 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051169.D

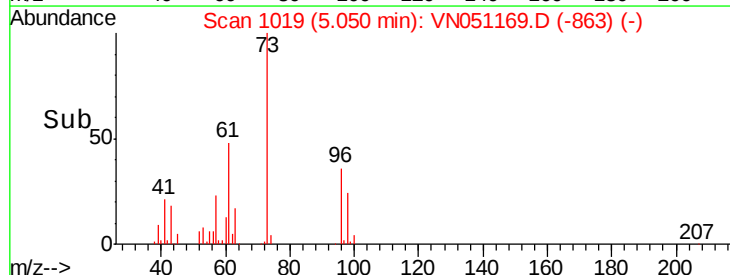
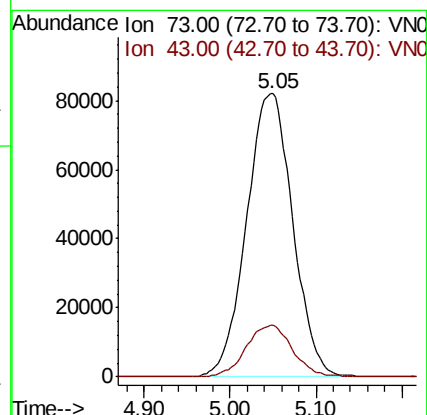
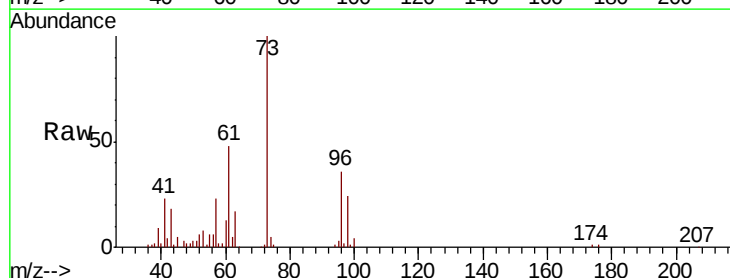
Acq: 13 Sep 2018 14:54

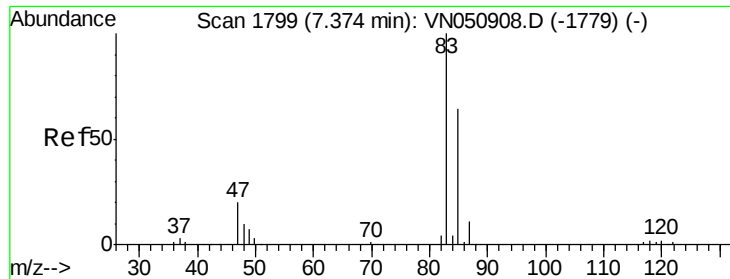
Tgt Ion: 73 Resp: 305586

Ion Ratio Lower Upper

73 100

43 18.4 14.4 21.6

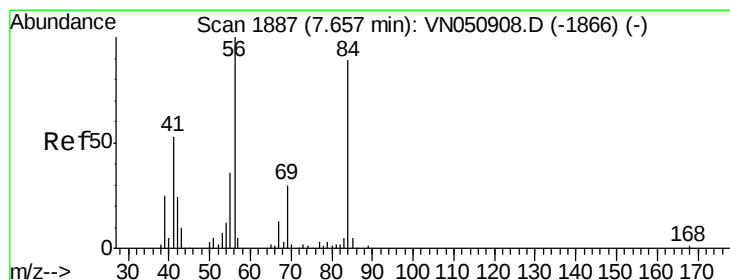
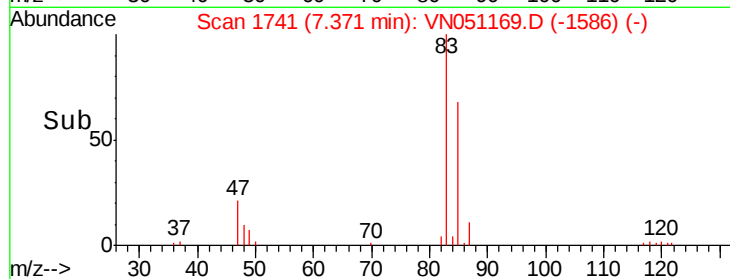
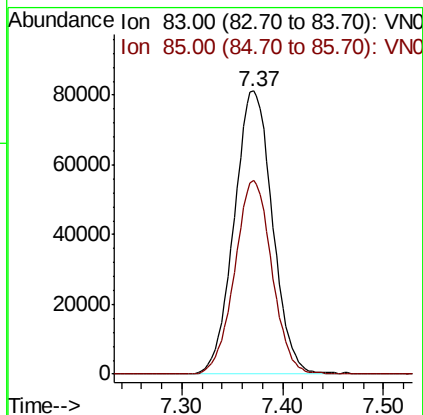
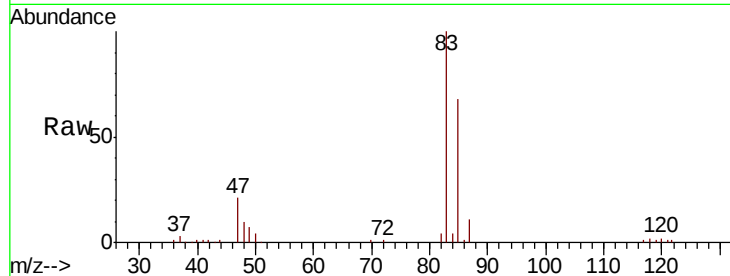




#25
Chloroform
Concen: 17.74 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

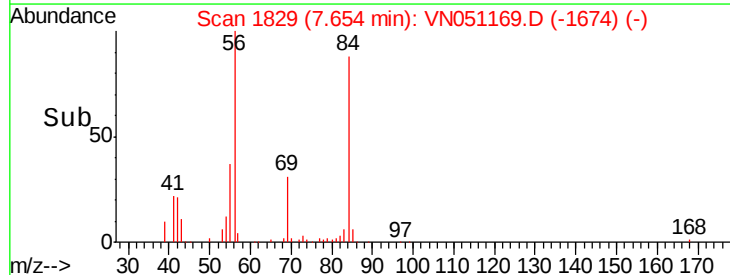
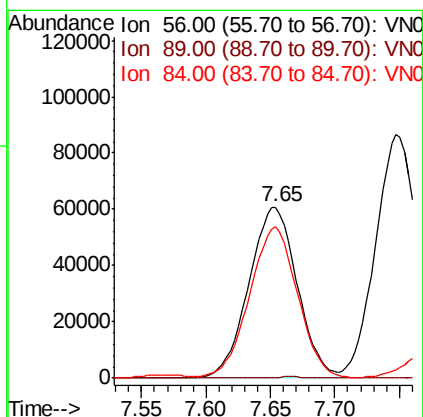
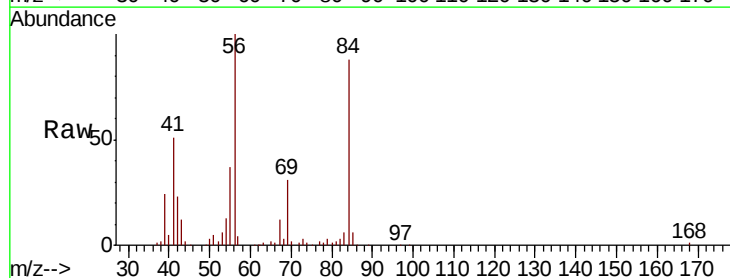
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

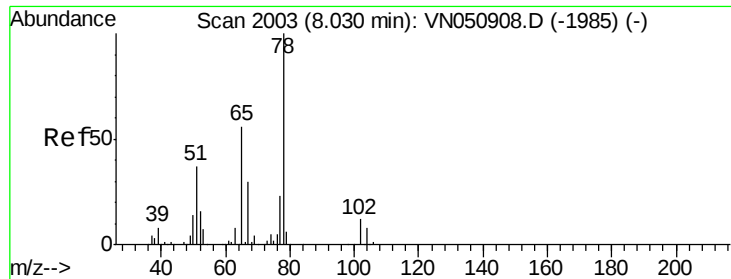
Tot Ion: 83 Resp: 213490
Ion Ratio Lower Upper
83 100
85 68.4 51.4 77.0



#26
Cyclohexane
Concen: 15.91 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 56 Resp: 158890
Ion Ratio Lower Upper
56 100
89 0.2 0.4 0.6#
84 86.4 70.4 105.6

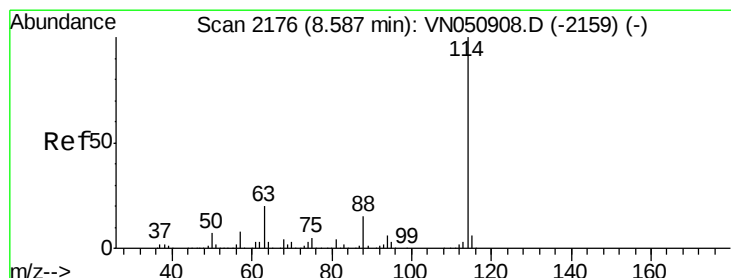
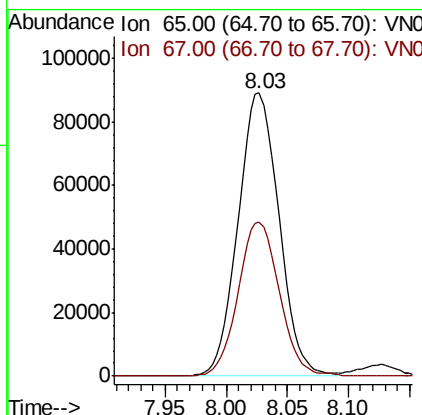
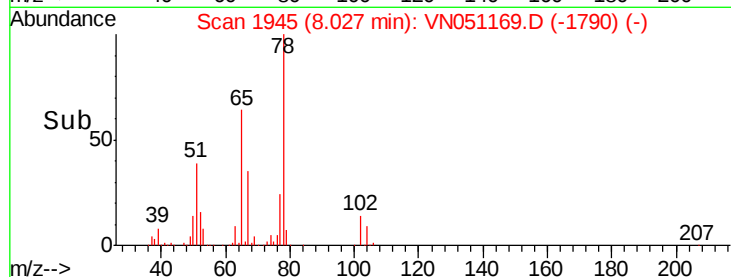
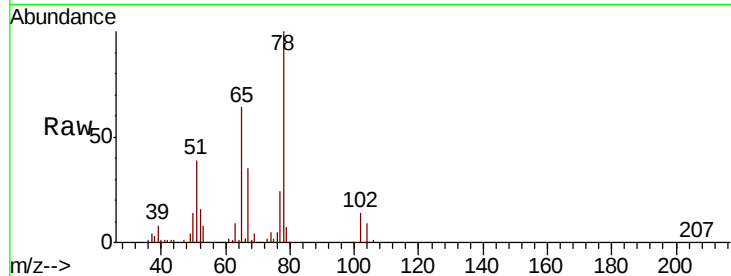




#27
 1,2-Dichloroethane-d4
 Concen: 29.15 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

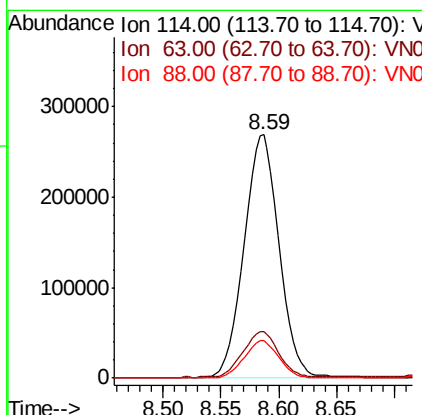
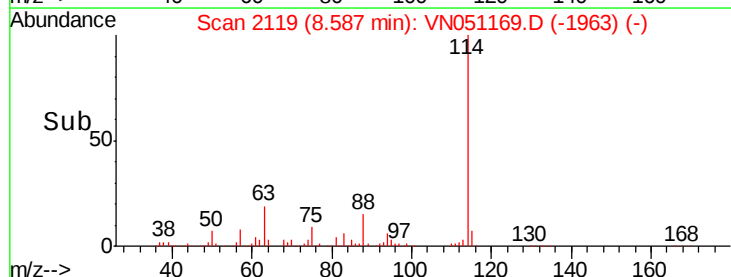
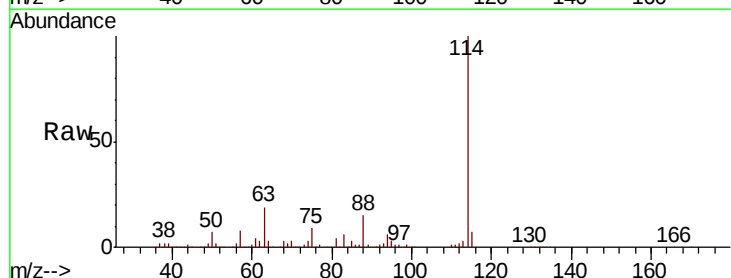
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

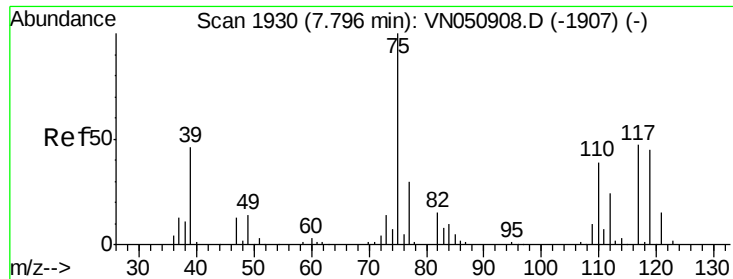
Tot Ion: 65 Resp: 207243
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion: 114 Resp: 563480
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.6 23.4
 88 15.3 12.2 18.4

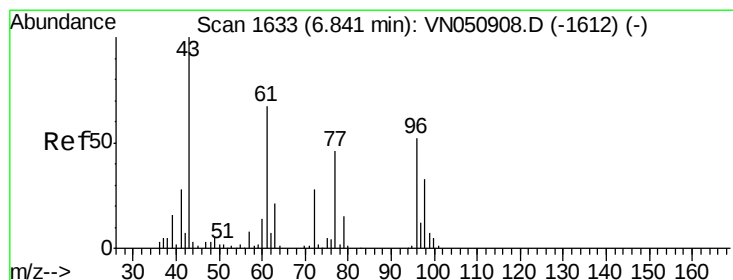
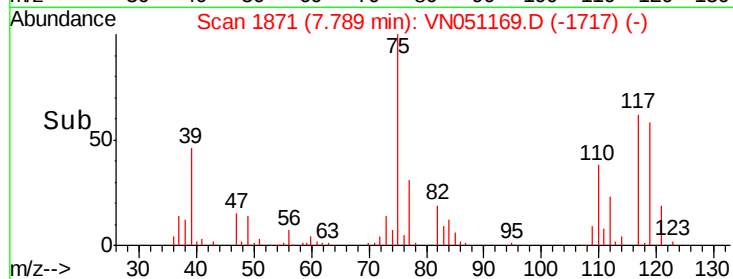
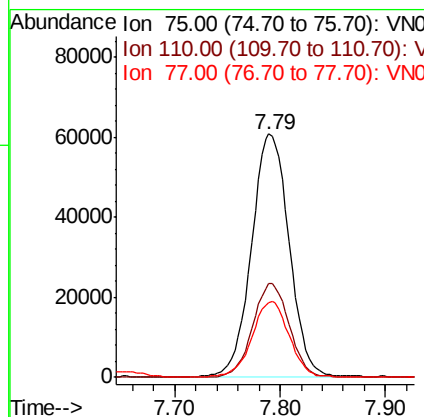
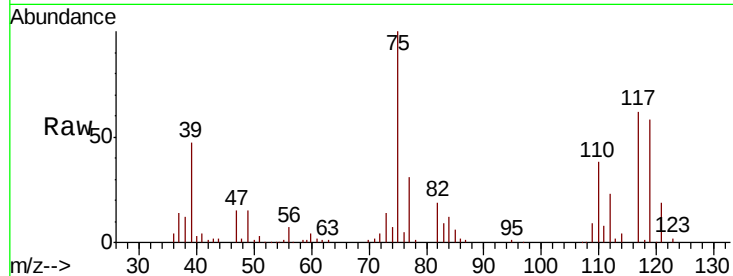




#29
 1,1-Dichloropropene
 Concen: 17.96 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.01 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

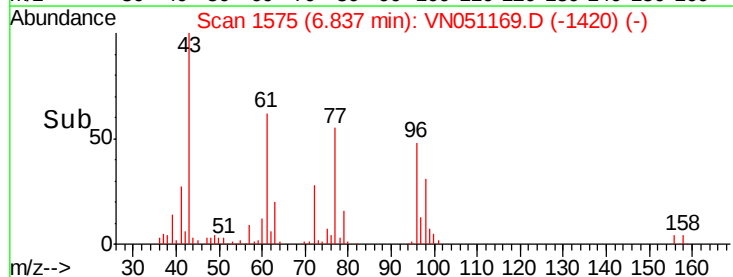
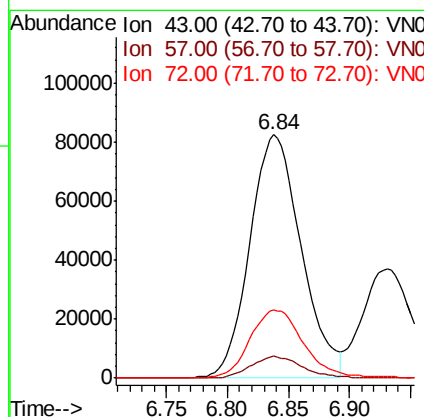
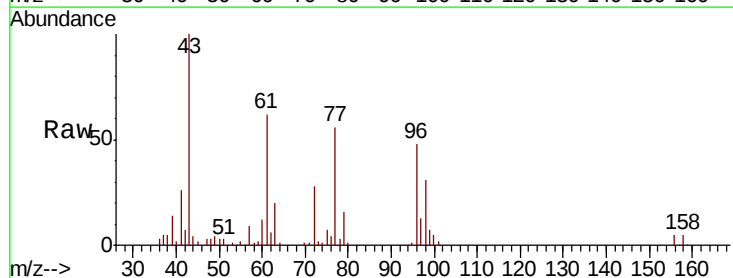
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

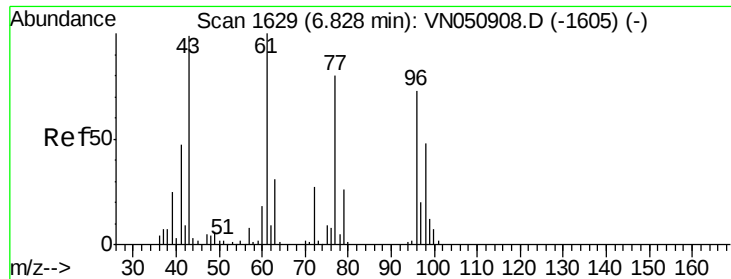
Tot Ion	75	Resp	151467
Ion Ratio	Lower	Upper	
75	100		
110	37.3	0.0	75.0
77	30.7	0.0	60.6



#30
 2-Butanone
 Concen: 92.62 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion	43	Resp	240372
Ion Ratio	Lower	Upper	
43	100		
57	8.9	6.9	10.3
72	29.1	22.8	34.2





#31

2,2-Dichloropropane

Concen: 21.10 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

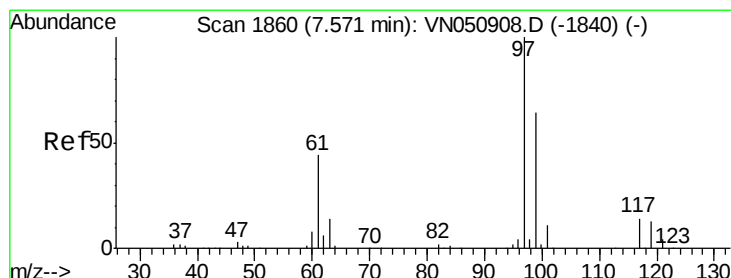
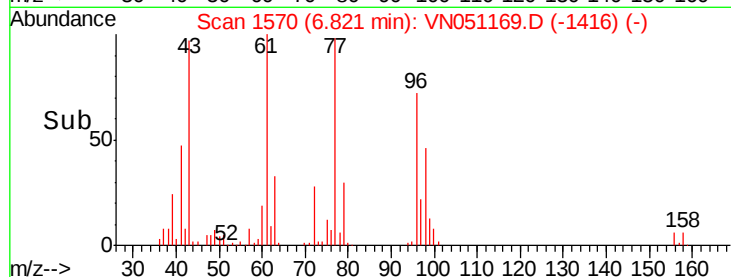
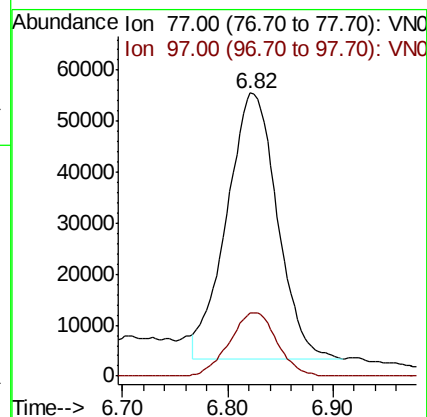
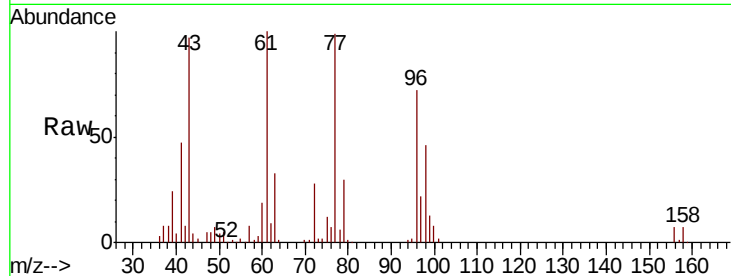
VN0913WBSD02

Tot Ion: 77 Resp: 173189

Ion Ratio Lower Upper

77 100

97 22.6 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 18.39 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

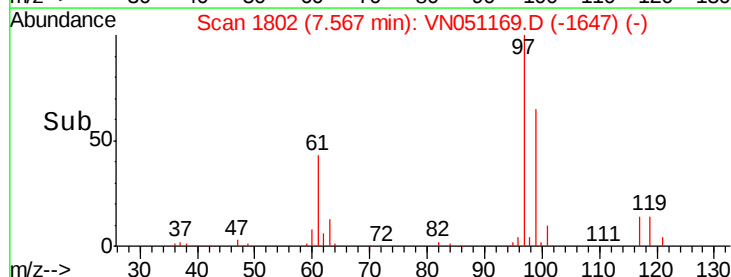
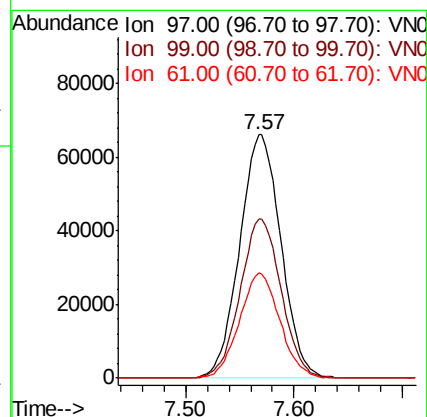
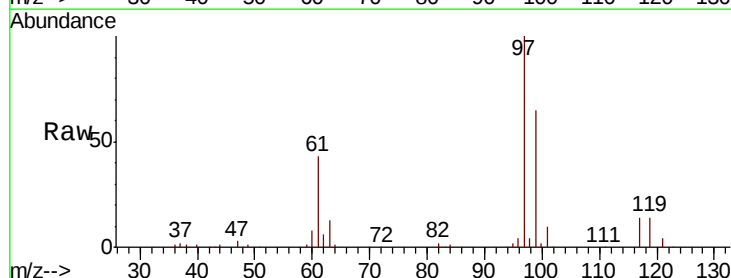
Tgt Ion: 97 Resp: 175923

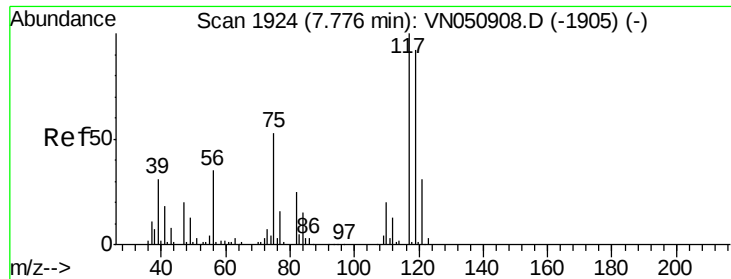
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 42.1 35.0 52.6

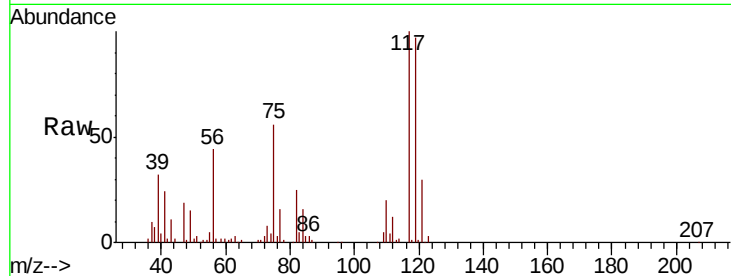




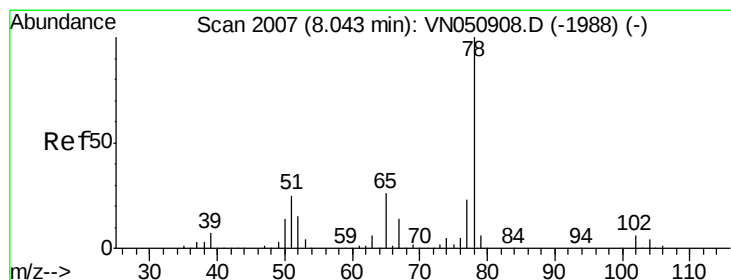
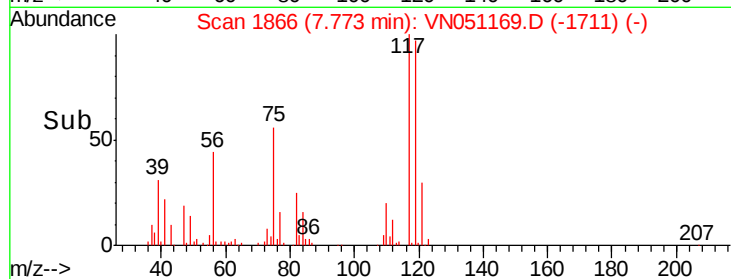
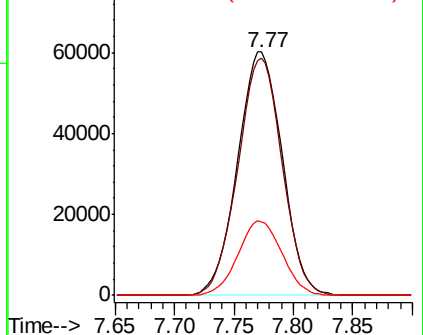
#33
Carbon Tetrachloride
Concen: 18.11 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

Tot Ion:117 Resp: 155981
Ion Ratio Lower Upper
117 100
119 97.2 73.5 110.3
121 30.3 24.6 37.0

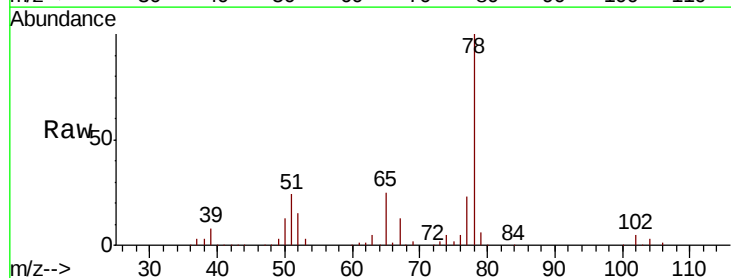


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

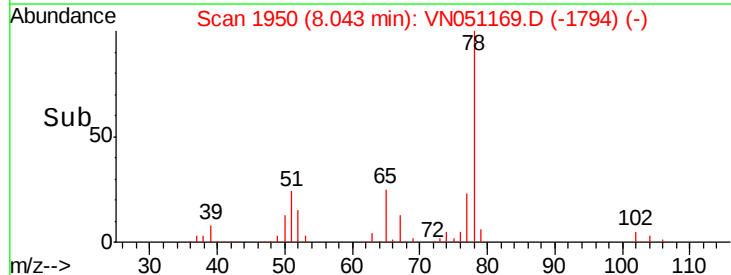
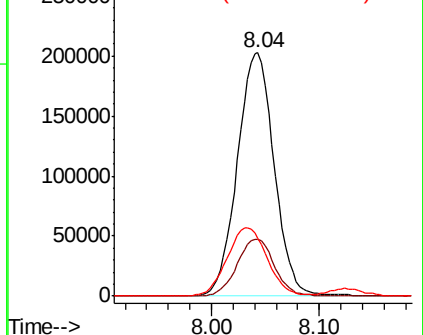


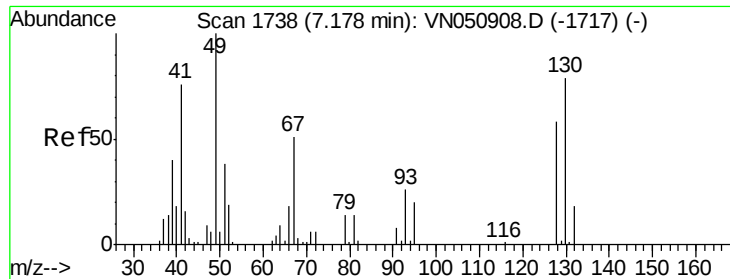
#34
Benzene
Concen: 18.43 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 78 Resp: 480890
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0
51 23.7 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

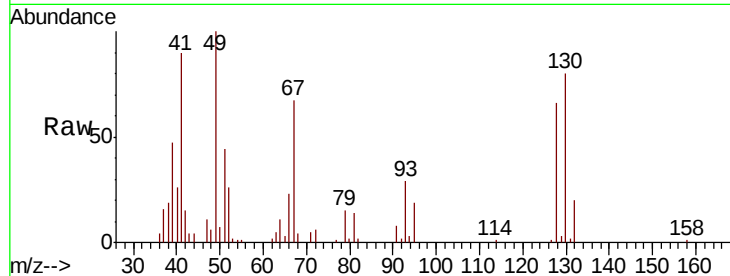




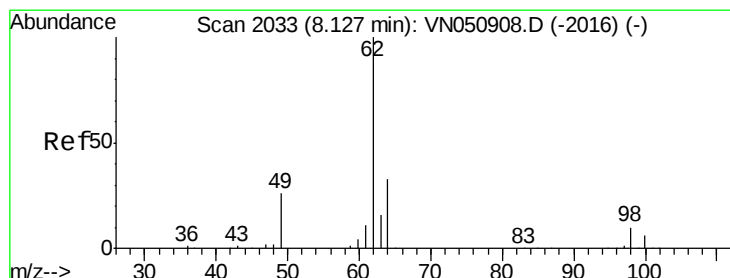
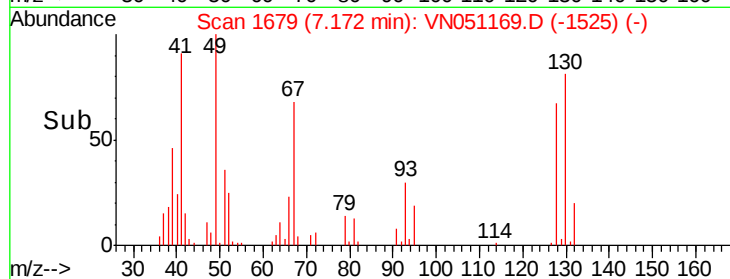
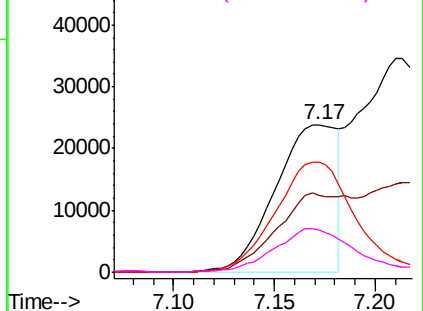
#35
Methacrylonitrile
Concen: 17.87 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD02

Tot Ion: 41 Resp: 50802
Ion Ratio Lower Upper
41 100
39 52.2 26.2 78.5
67 74.7 33.9 101.6
52 28.5 12.5 37.5

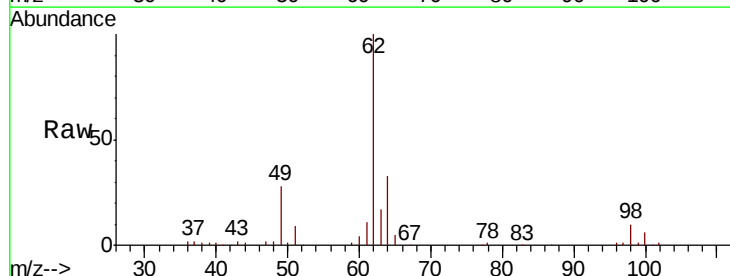


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

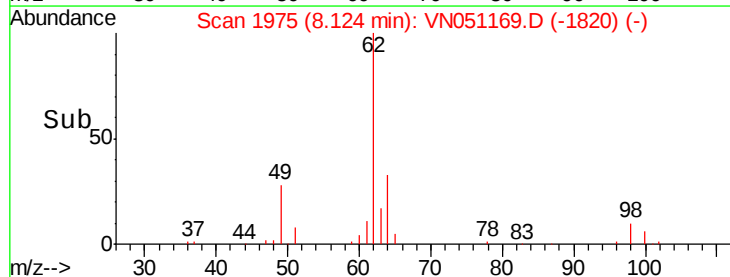
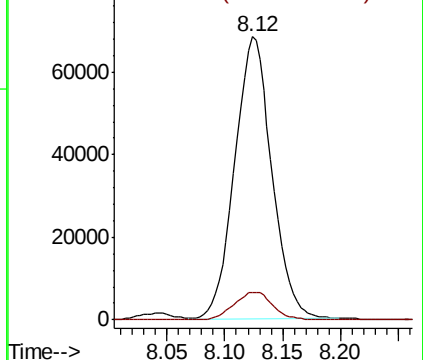


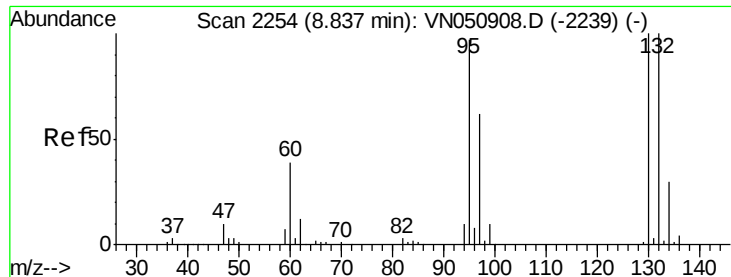
#36
1,2-Dichloroethane
Concen: 19.23 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 62 Resp: 151804
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0



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

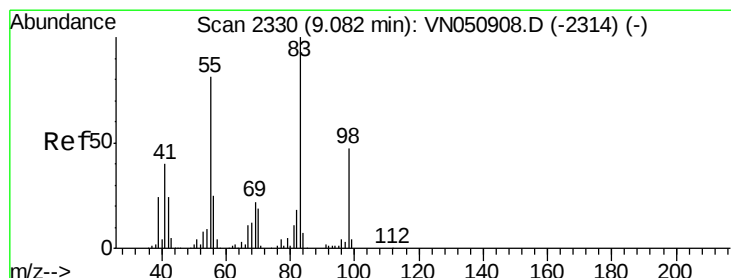
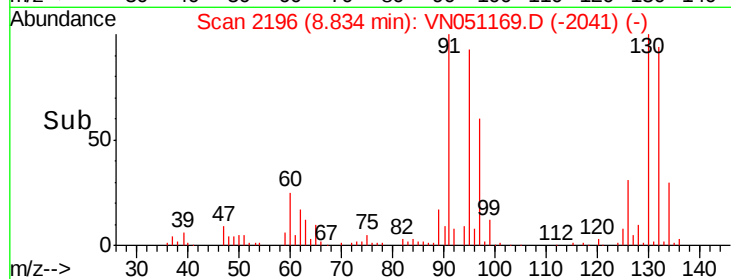
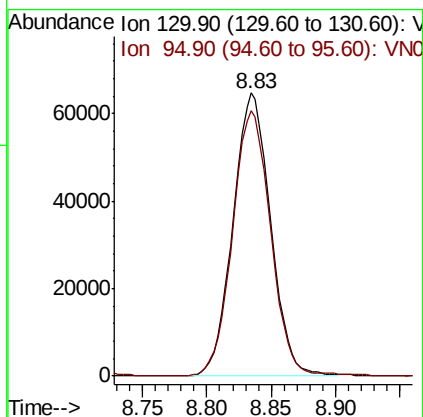
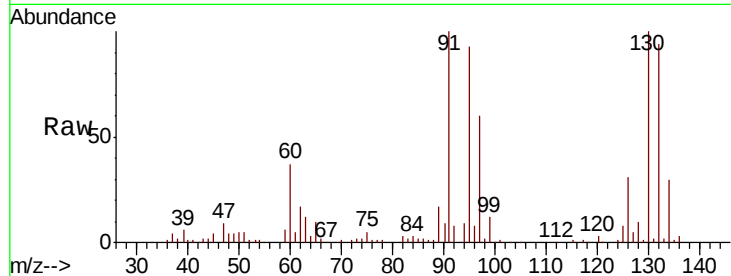




#37
 Trichloroethene
 Concen: 19.29 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

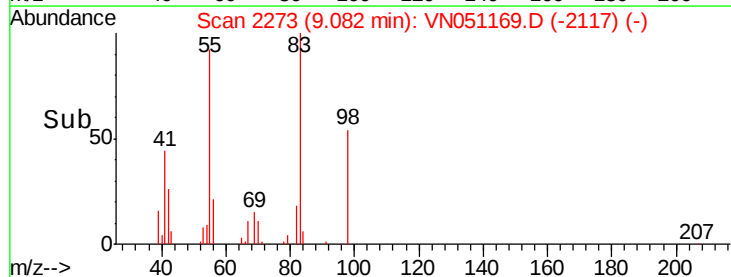
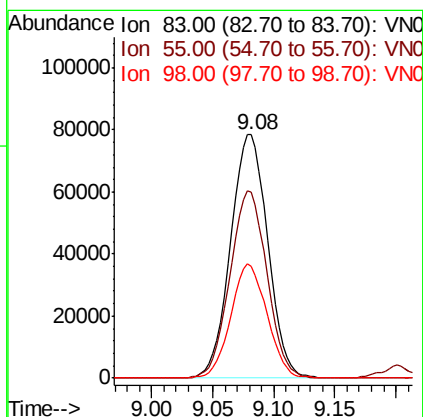
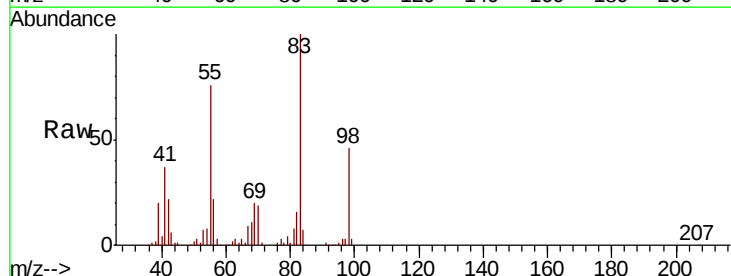
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

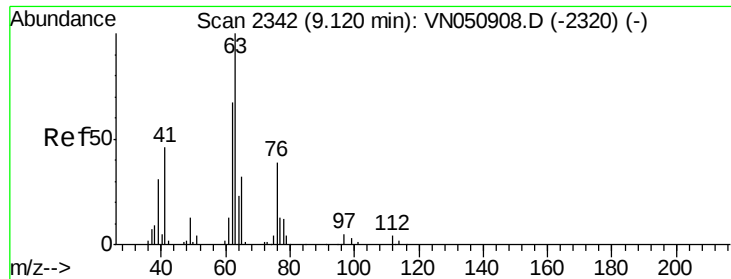
Tot Ion:130 Resp: 131555
 Ion Ratio Lower Upper
 130 100
 95 93.5 77.4 116.0



#38
 Methylcyclohexane
 Concen: 18.33 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion: 83 Resp: 166052
 Ion Ratio Lower Upper
 83 100
 55 76.3 38.9 116.7
 98 45.8 22.9 68.7





#39

1,2-Dichloropropane

Concen: 19.02 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

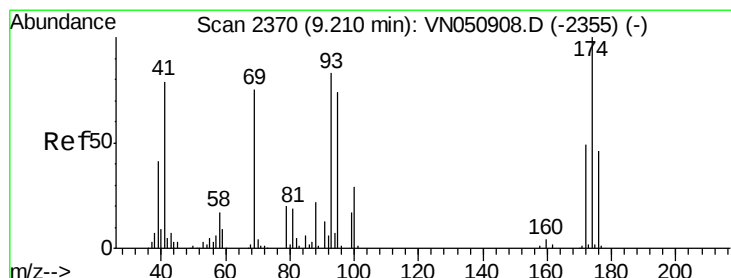
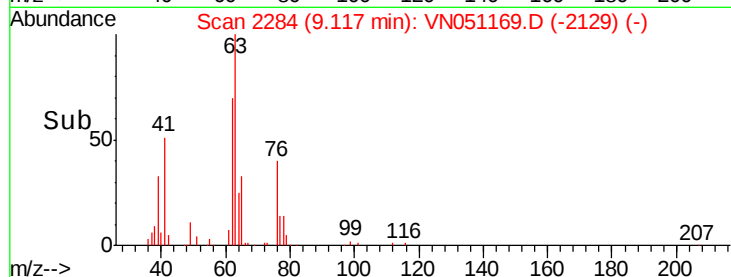
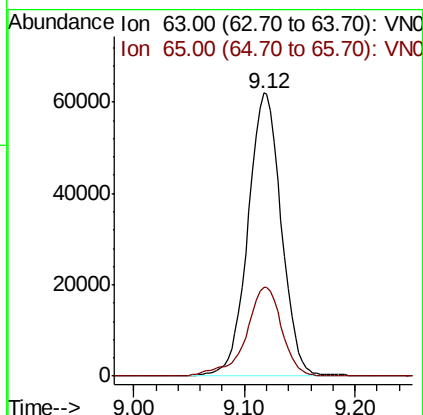
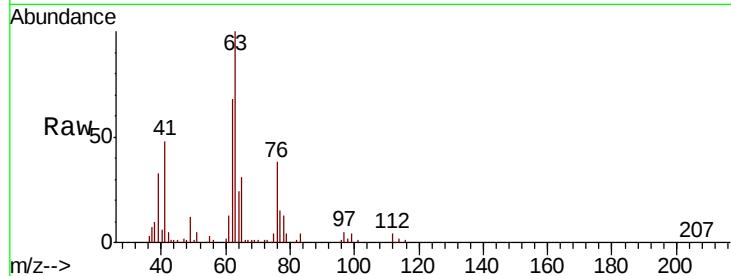
VN0913WBSD02

Tot Ion: 63 Resp: 129620

Ion Ratio Lower Upper

63 100

65 31.3 25.6 38.4



#40

Dibromomethane

Concen: 19.71 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

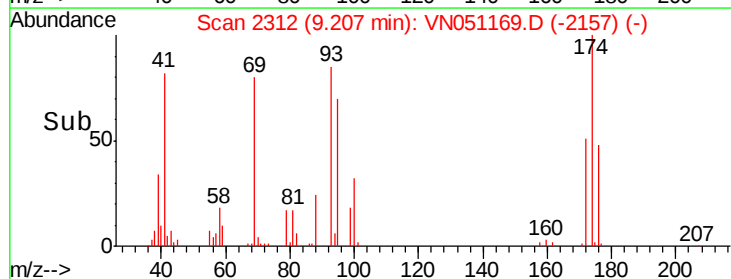
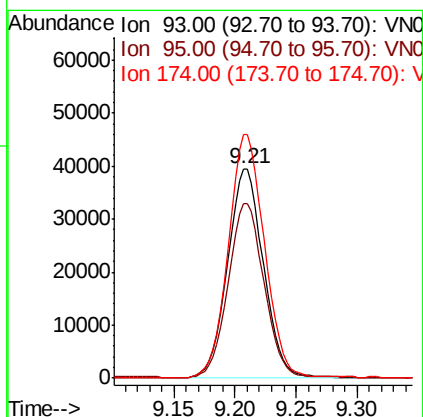
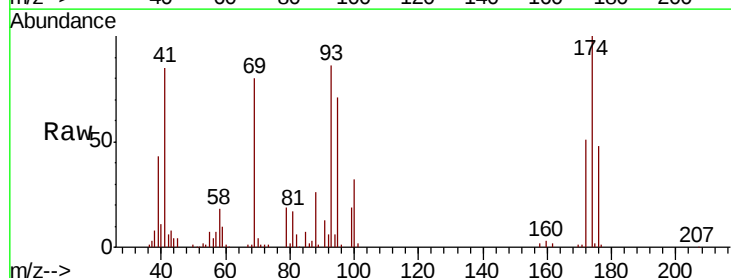
Tgt Ion: 93 Resp: 80937

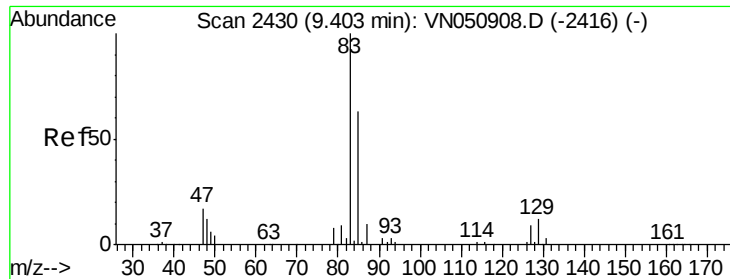
Ion Ratio Lower Upper

93 100

95 83.6 0.0 173.4

174 116.6 0.0 234.8





#41

Bromodichloromethane

Concen: 19.57 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

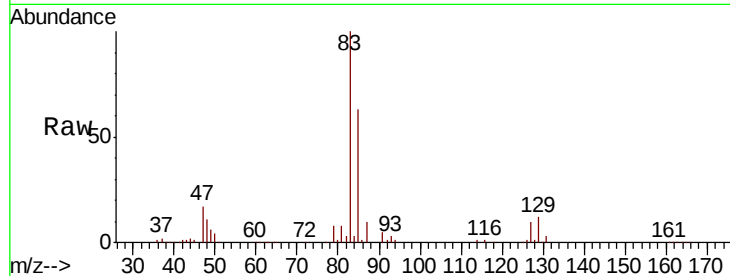
Tot Ion: 83 Resp: 169335

Ion Ratio Lower Upper

83 100

85 63.2 50.6 76.0

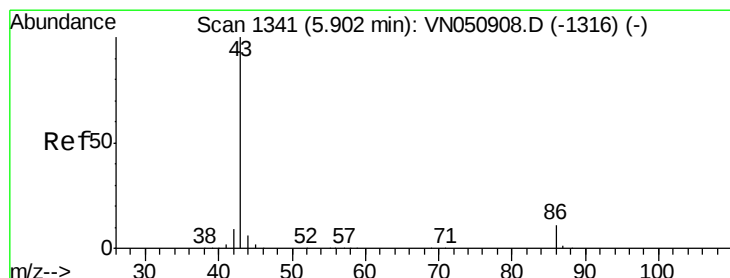
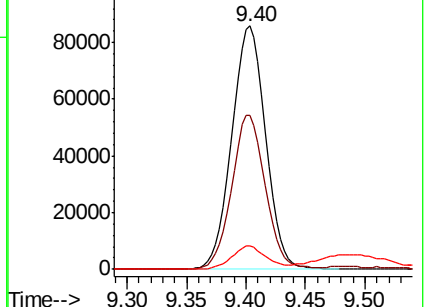
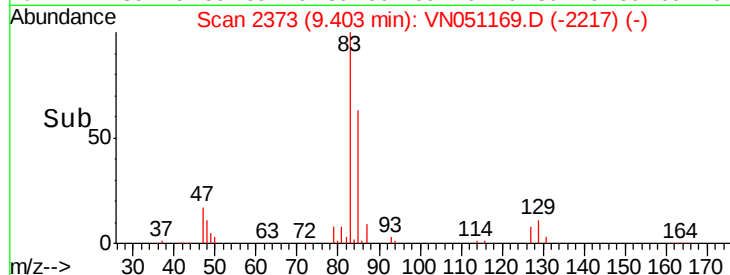
127 9.8 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN051169.D (-2217) (-)

Ion 85.00 (84.70 to 85.70): VN051169.D (-2217) (-)

Ion 127.00 (126.70 to 127.70): VN051169.D (-2217) (-)



#42

Vinyl Acetate

Concen: 99.45 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VN051169.D

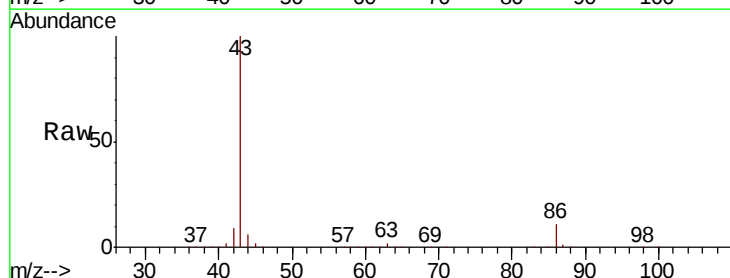
Acq: 13 Sep 2018 14:54

Tgt Ion: 43 Resp: 1188716

Ion Ratio Lower Upper

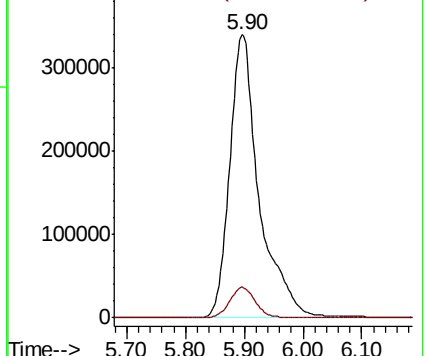
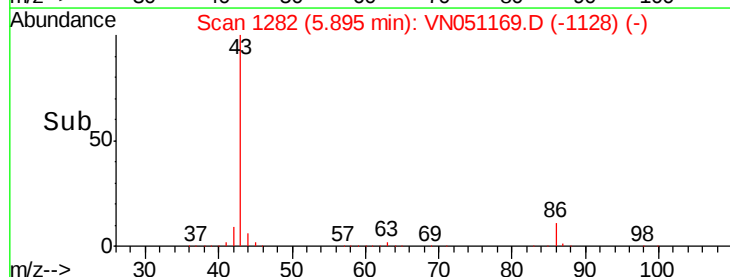
43 100

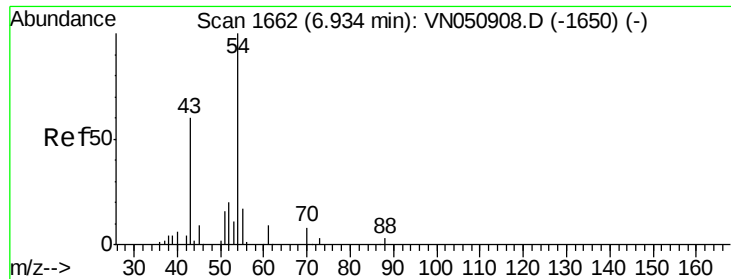
86 9.4 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN051169.D (-1128) (-)

Ion 86.00 (85.70 to 86.70): VN051169.D (-1128) (-)

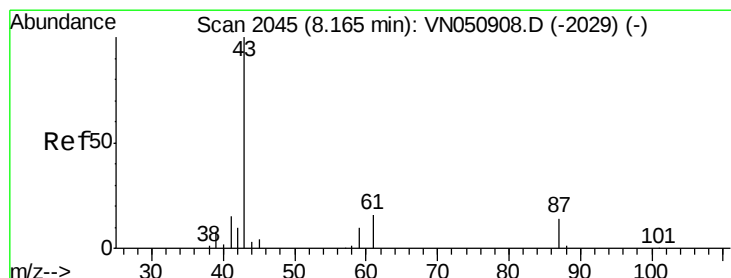
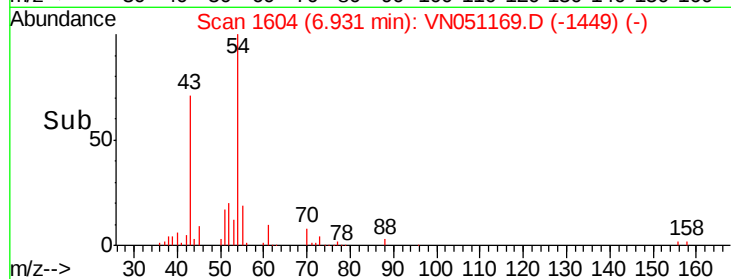
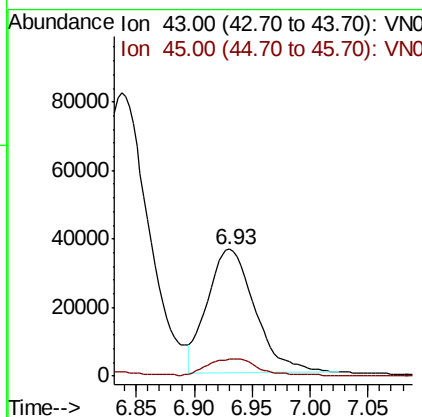
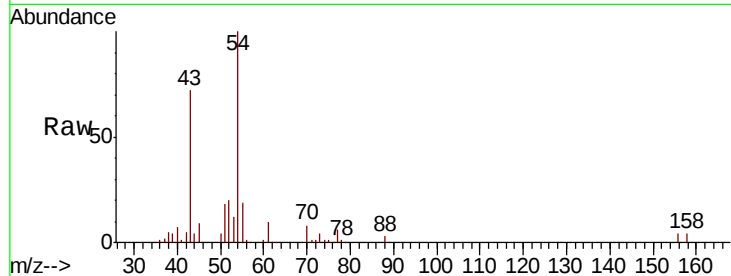




#43
Ethyl Acetate
Concen: 19.57 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

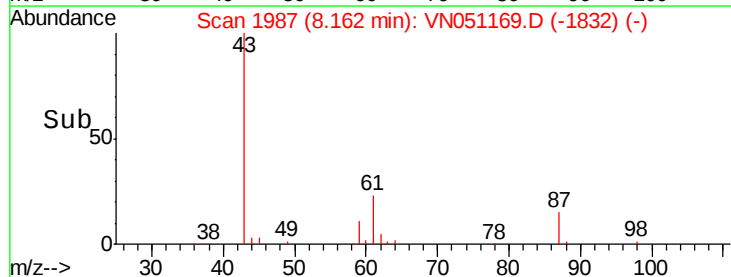
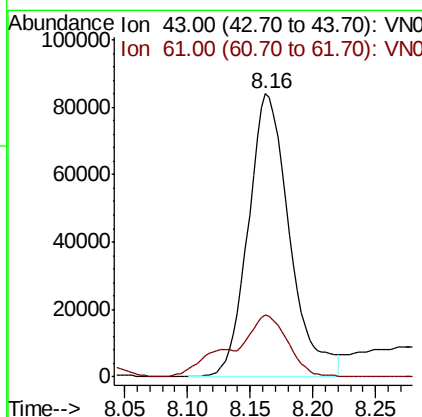
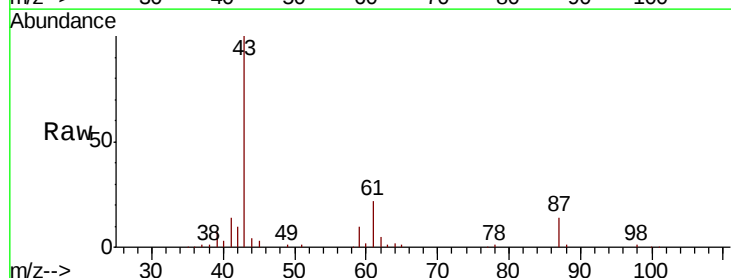
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

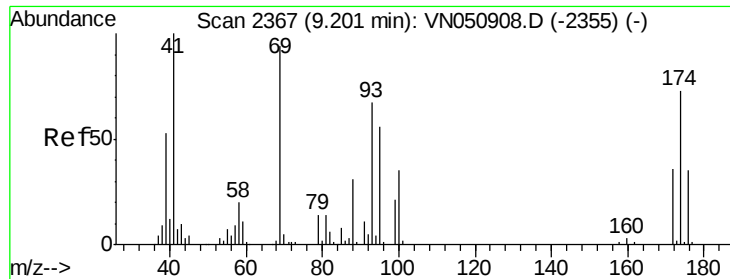
Tot Ion: 43 Resp: 104031
Ion Ratio Lower Upper
43 100
45 13.3 10.2 15.2



#44
Isopropyl Acetate
Concen: 20.44 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 43 Resp: 191721
Ion Ratio Lower Upper
43 100
61 20.6 16.3 24.5





#45

1,4-Dioxane

Concen: 398.69 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

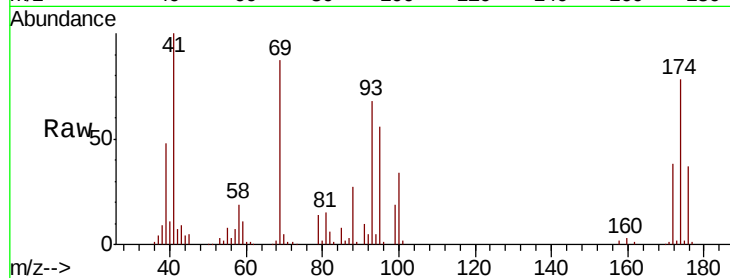
Tot Ion: 88 Resp: 27783

Ion Ratio Lower Upper

88 100

43 32.3 23.5 35.3

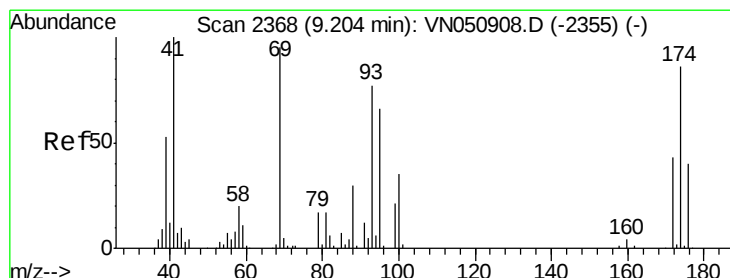
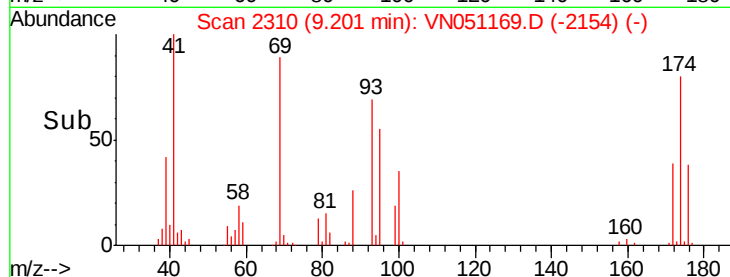
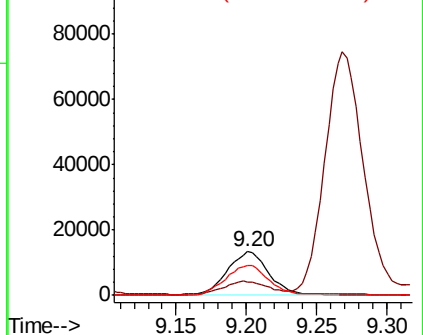
58 70.4 55.2 82.8



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: 19.23 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

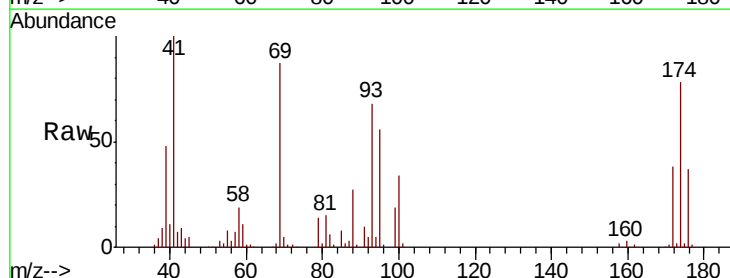
Tgt Ion: 41 Resp: 90356

Ion Ratio Lower Upper

41 100

69 88.0 47.4 142.2

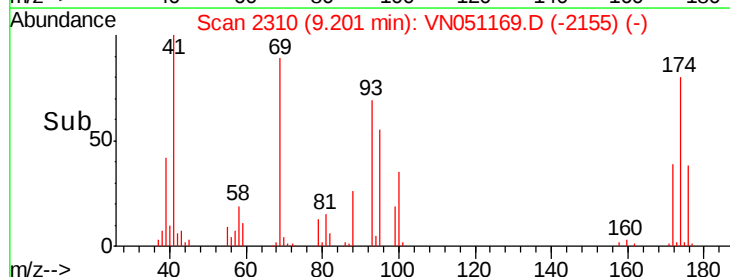
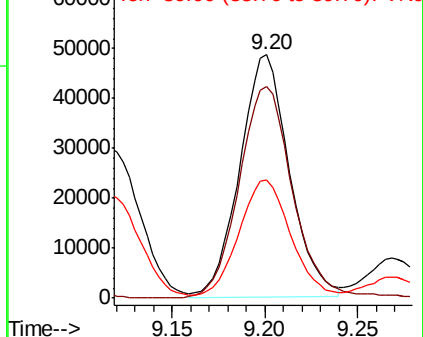
39 48.1 26.6 79.7

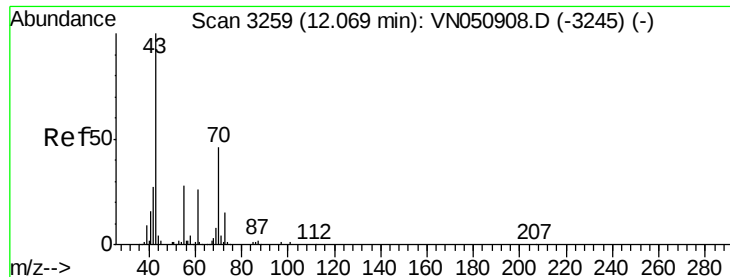


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 17.95 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

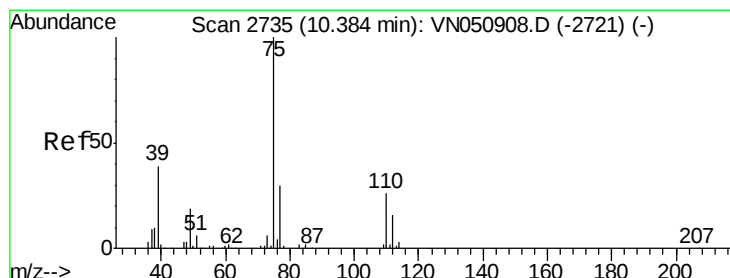
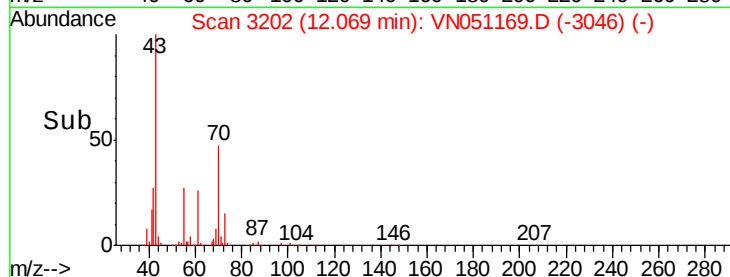
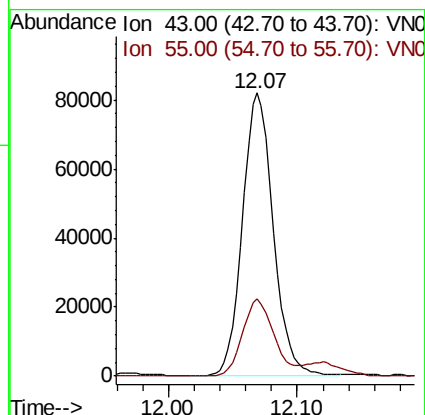
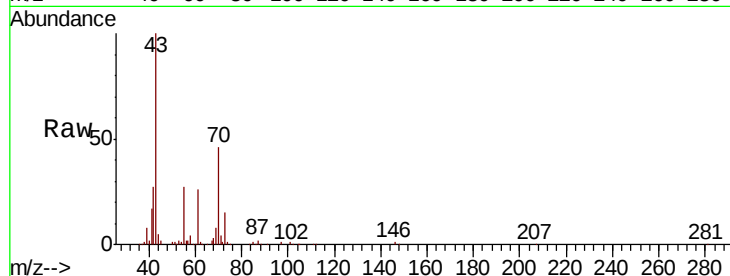
VN0913WBSD02

Tot Ion: 43 Resp: 135370

Ion Ratio Lower Upper

43 100

55 28.1 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 19.06 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051169.D

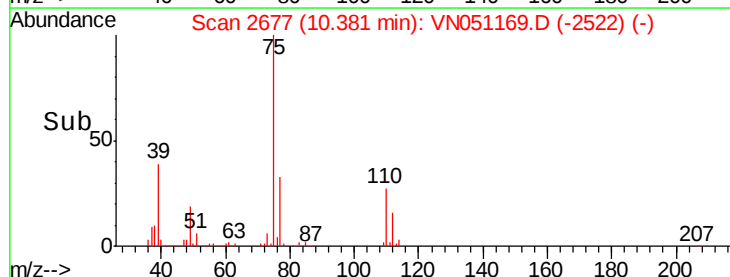
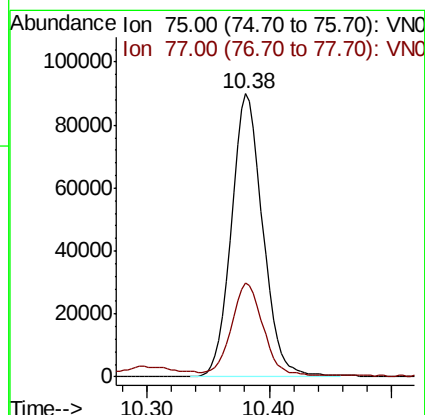
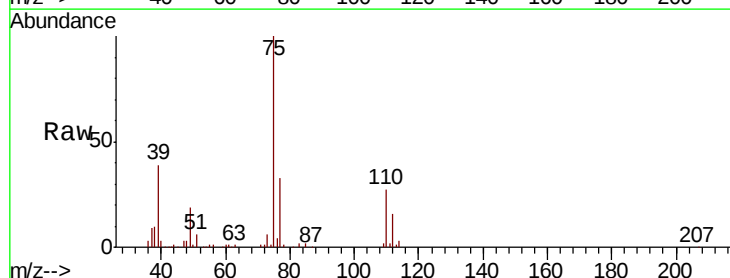
Acq: 13 Sep 2018 14:54

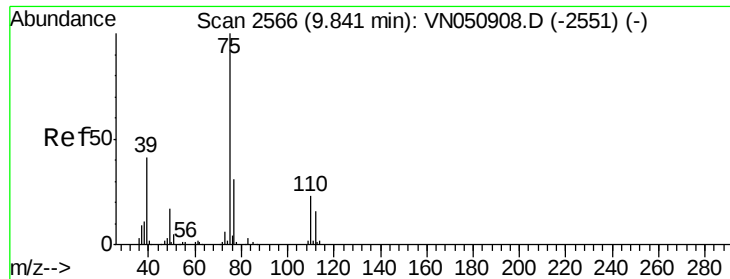
Tgt Ion: 75 Resp: 161724

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2





#49

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampled :

VN0913WBSD02

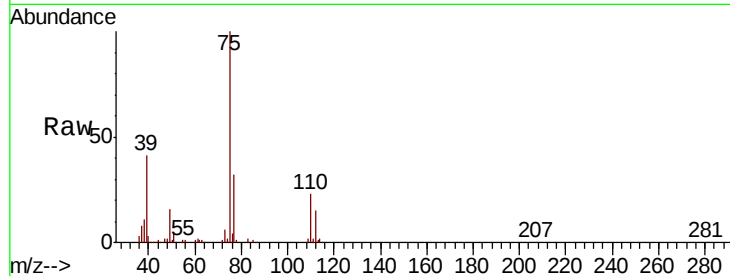
Tot Ion: 75 Resp: 189484

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

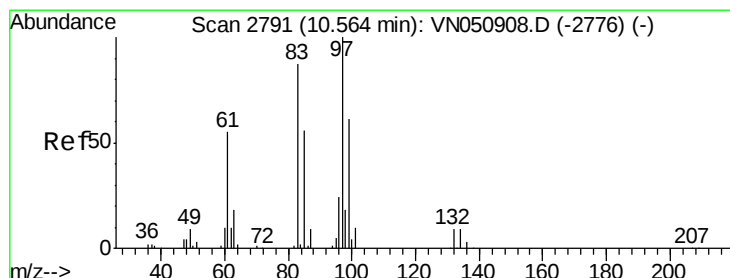
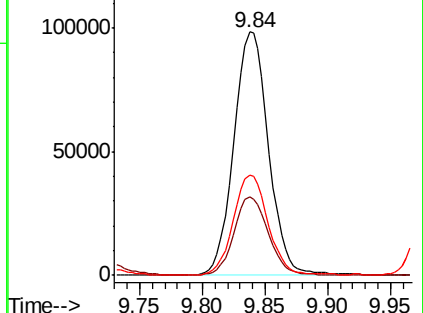
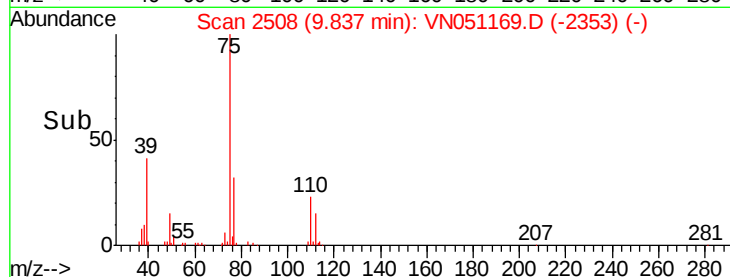
39 41.3 32.9 49.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 23.10 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Tgt Ion: 97 Resp: 137813

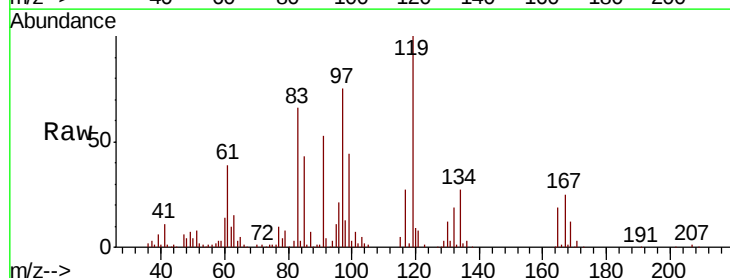
Ion Ratio Lower Upper

97 100

83 88.1 69.8 104.6

85 57.8 45.0 67.6

99 58.2 49.1 73.7

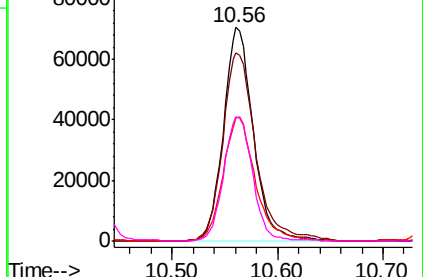
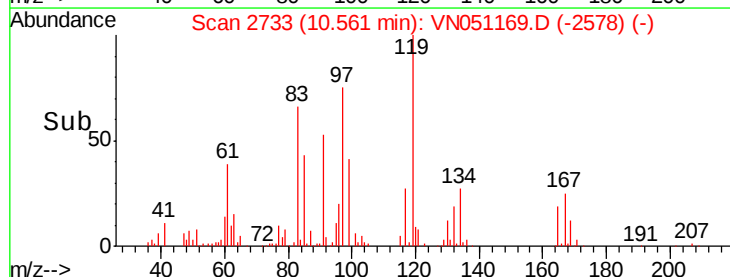


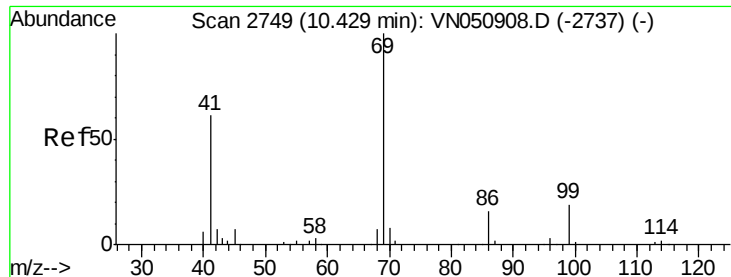
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.05 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleID :

VN0913WBSD02

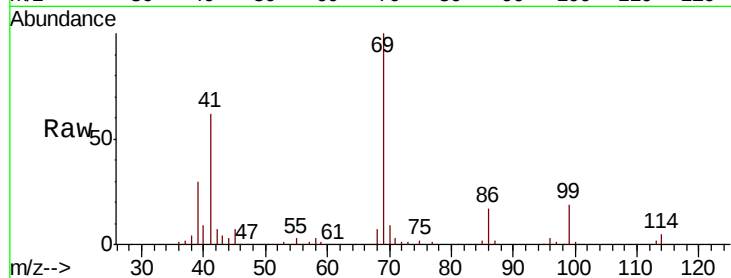
Tot Ion: 69 Resp: 139031

Ion Ratio Lower Upper

69 100

41 61.4 30.5 91.5

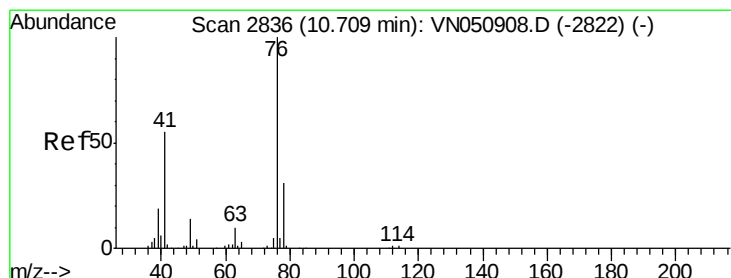
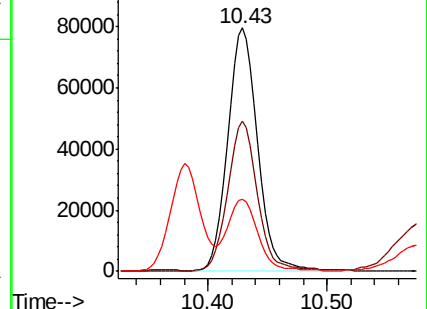
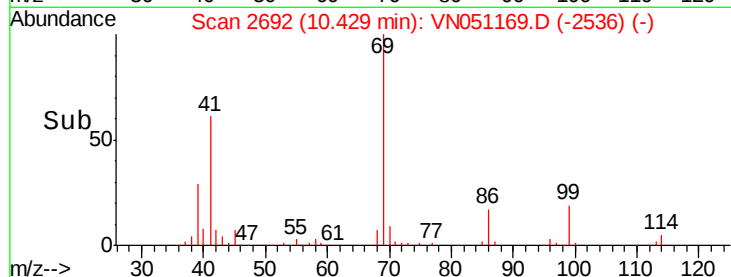
39 29.4 15.3 45.8



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: 20.11 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN051169.D

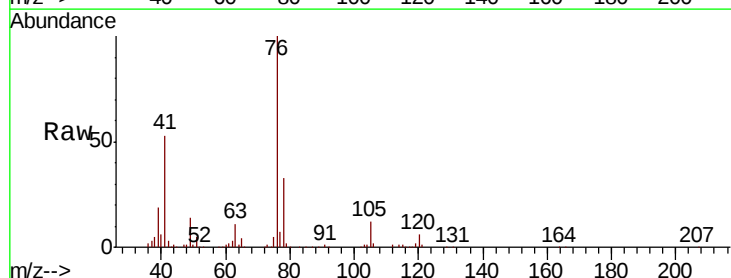
Acq: 13 Sep 2018 14:54

Tgt Ion: 76 Resp: 198759

Ion Ratio Lower Upper

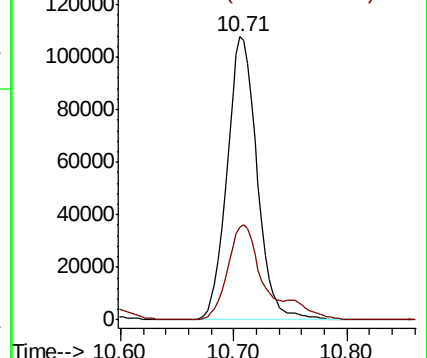
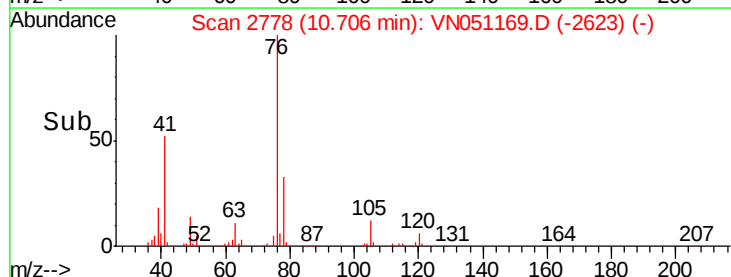
76 100

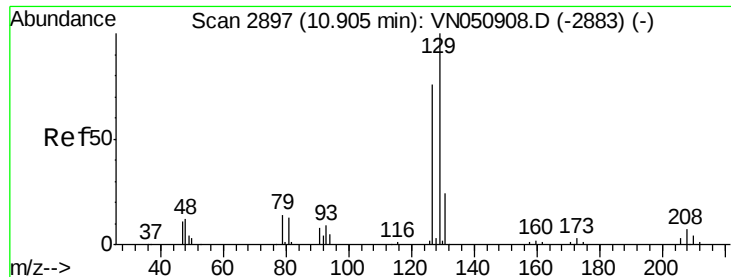
78 36.6 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.70 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

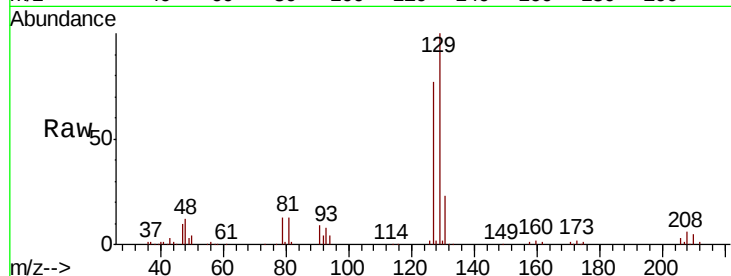
VN0913WBSD02

Tot Ion:129 Resp: 133616

Ion Ratio Lower Upper

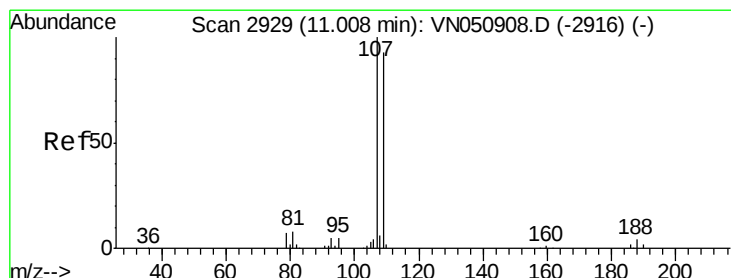
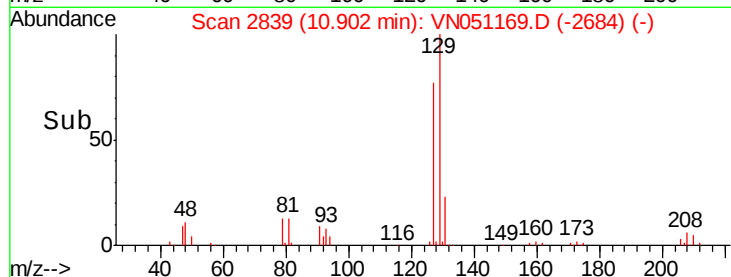
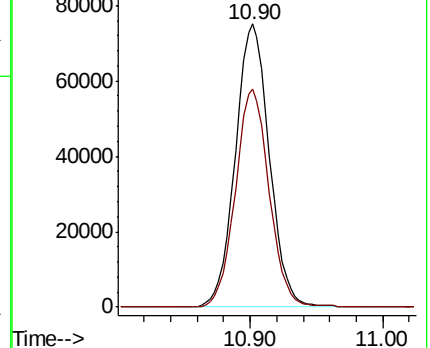
129 100

127 76.4 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.51 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051169.D

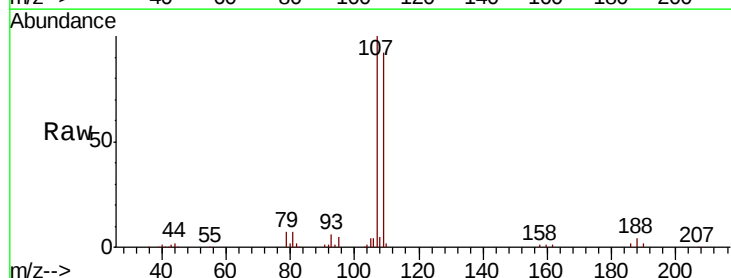
Acq: 13 Sep 2018 14:54

Tgt Ion:107 Resp: 115095

Ion Ratio Lower Upper

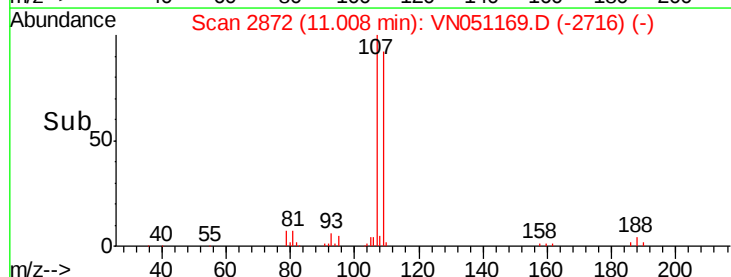
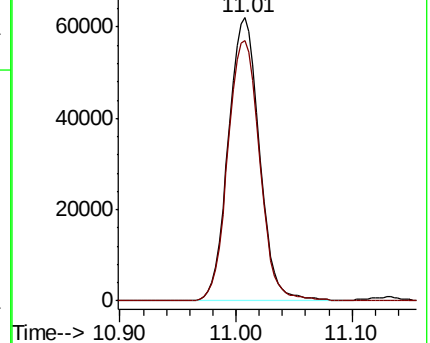
107 100

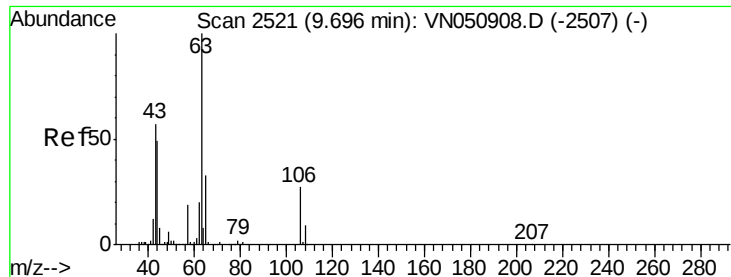
109 93.8 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

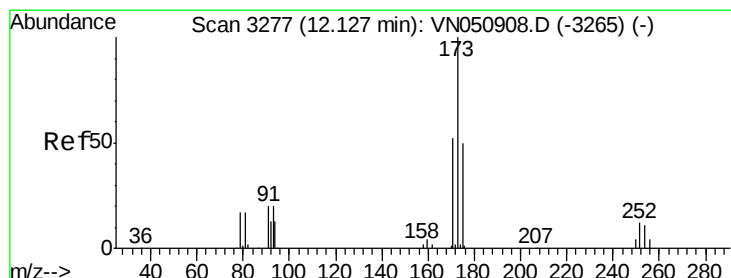
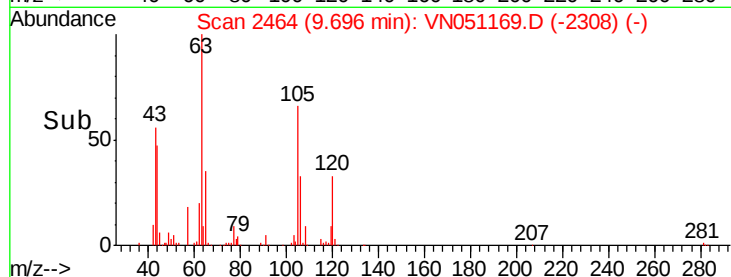
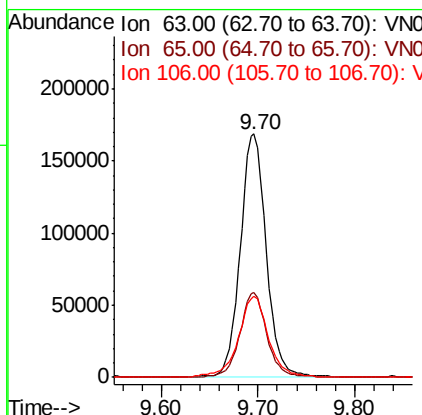
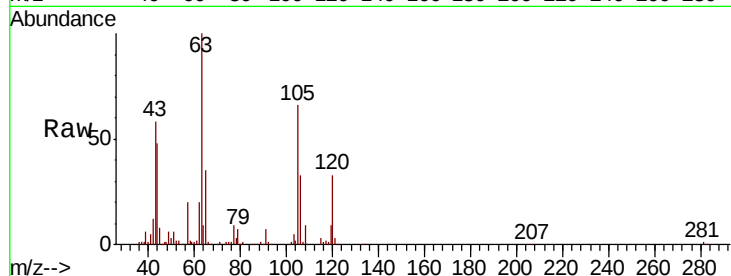




#55
2-Chloroethyl vinyl ether
Concen: 103.49 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

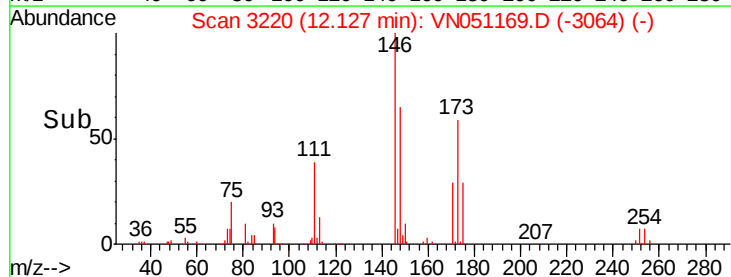
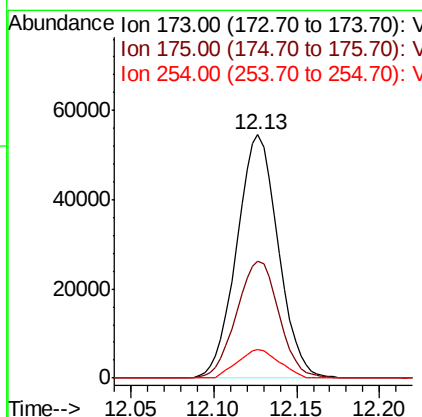
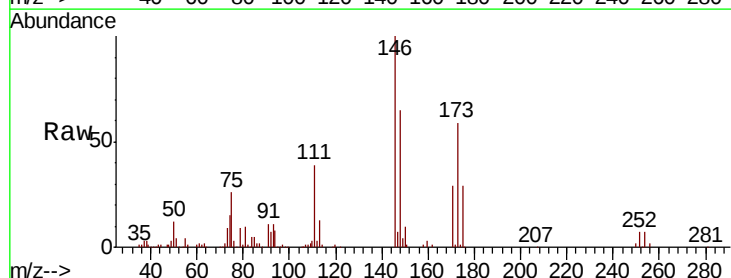
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

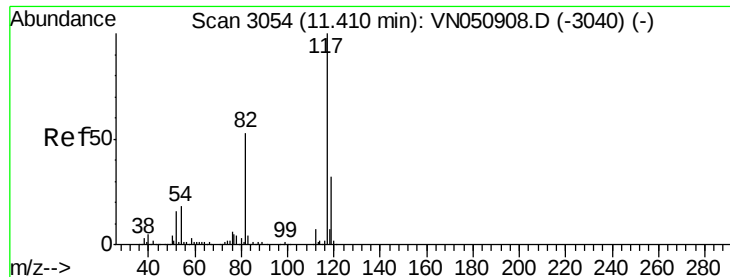
Tot Ion: 63 Resp: 314306
Ion Ratio Lower Upper
63 100
65 36.4 25.4 38.2
106 38.8 22.0 33.0#



#56
Bromoform
Concen: 19.65 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 173 Resp: 94798
Ion Ratio Lower Upper
173 100
175 49.4 39.2 58.8
254 11.7 9.0 13.6

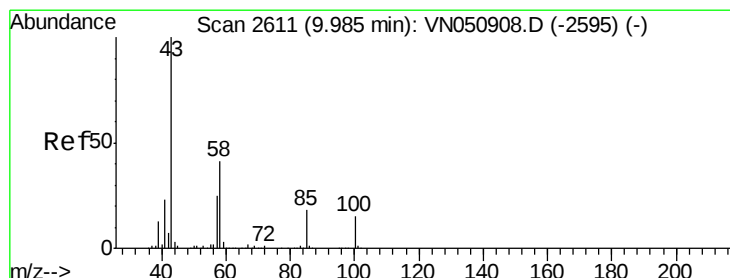
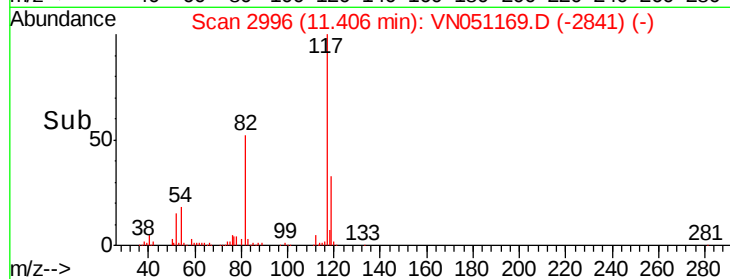
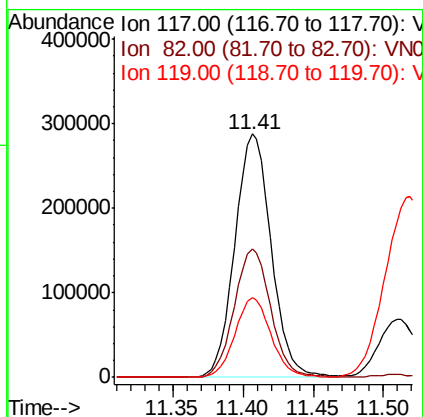
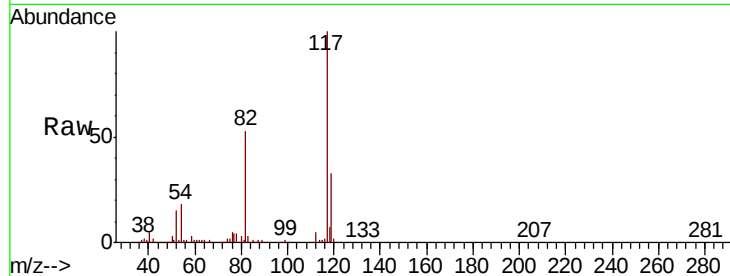




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

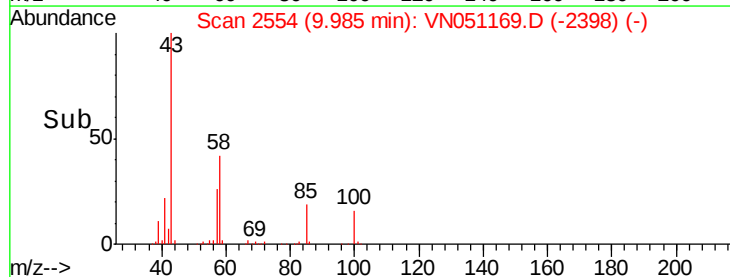
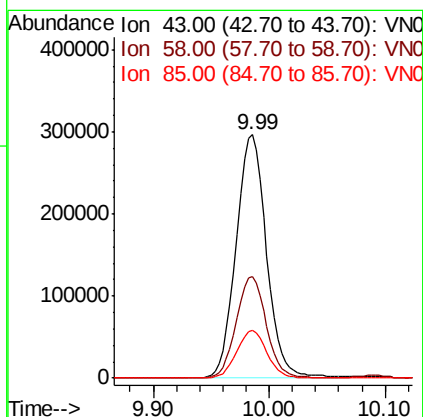
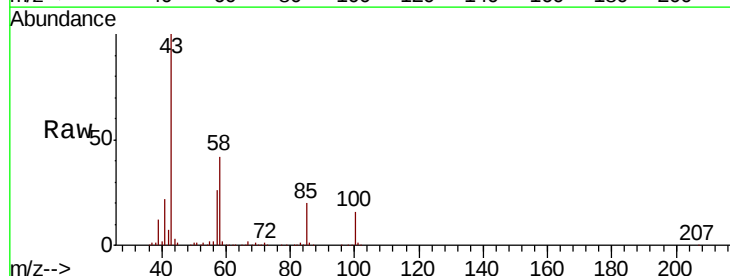
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

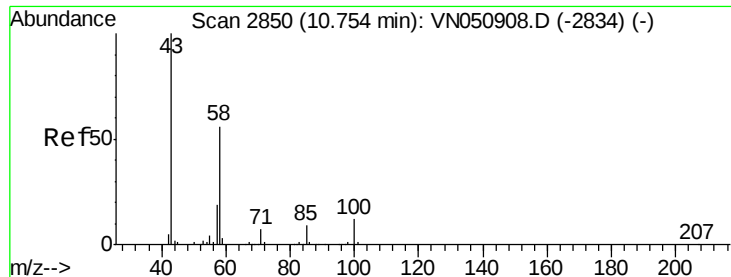
Tot Ion:117 Resp: 520617
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 32.4 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 90.34 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 43 Resp: 538138
Ion Ratio Lower Upper
43 100
58 41.3 32.3 48.5
85 19.5 14.9 22.3

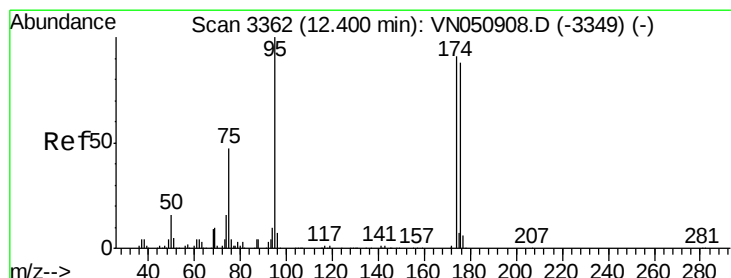
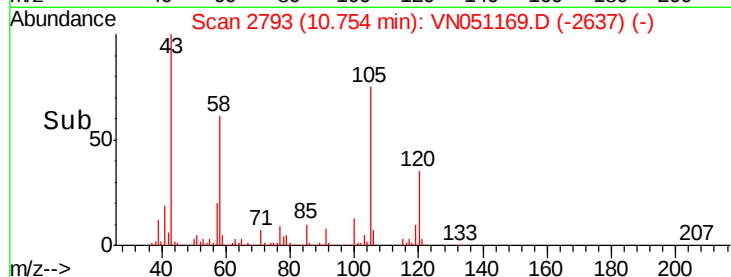
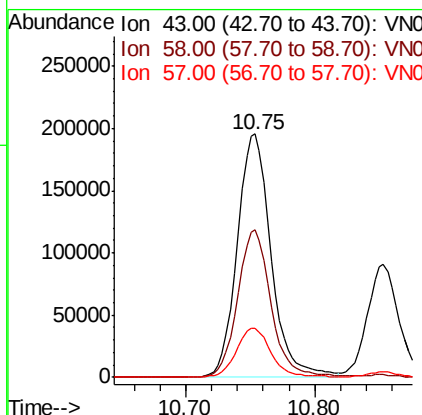
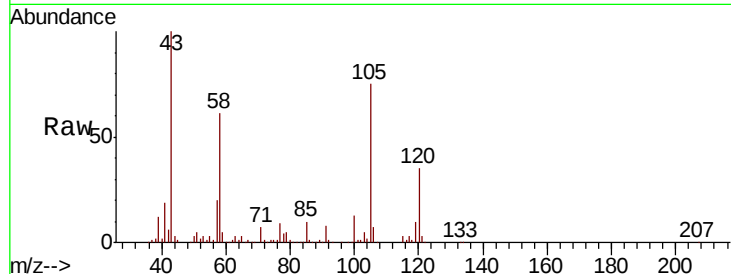




#59
2-Hexanone
Concen: 91.51 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

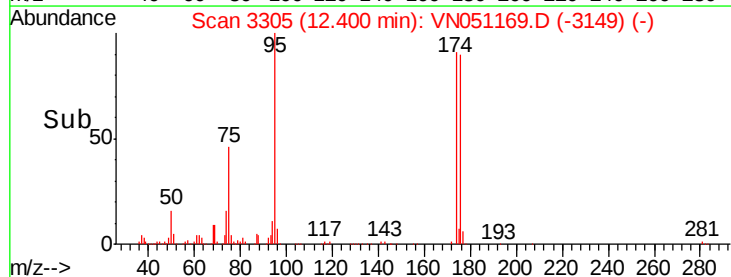
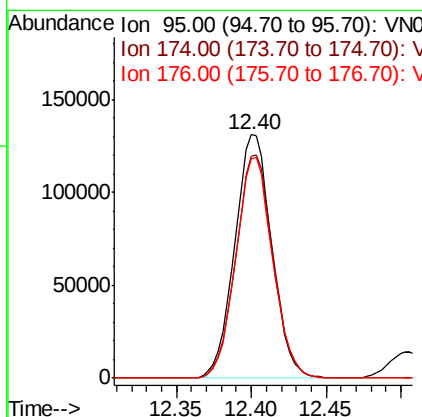
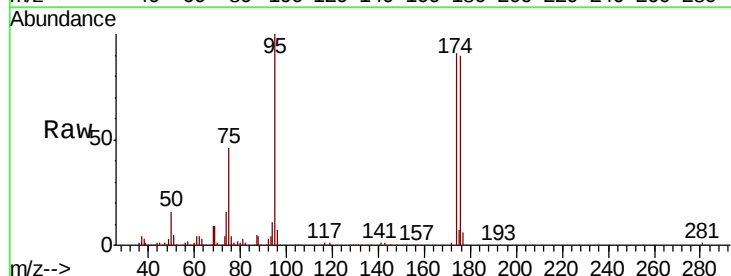
Instrument :
MSVOA_N
ClientSampled :
VN0913WBSD02

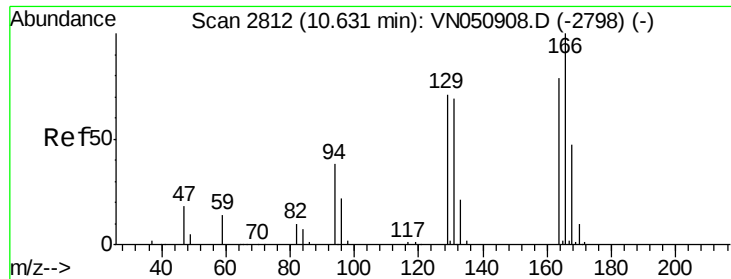
Tot Ion	Ratio	Lower	Upper
43	100		
58	60.4	45.5	68.3
57	21.0	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 29.14 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.6	112.0
176	90.2	71.5	107.3





#61

Tetrachloroethene

Concen: 18.15 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

Tot Ion:164 Resp: 117767

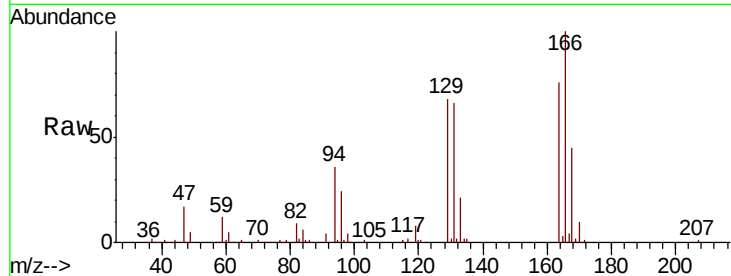
Ion Ratio Lower Upper

164 100

166 130.8 100.6 151.0

129 89.5 71.0 106.6

131 86.4 69.3 103.9

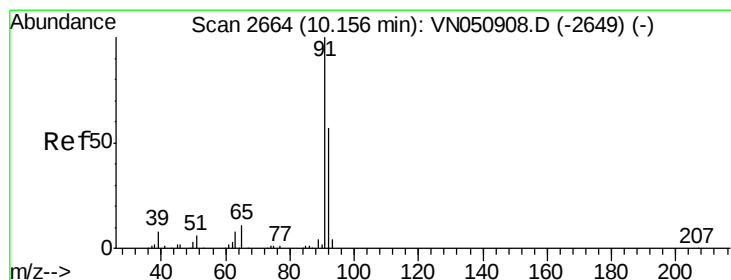
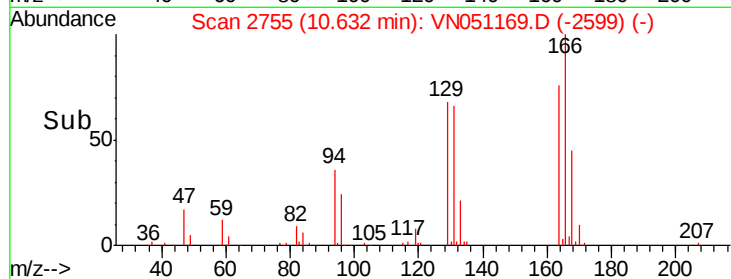
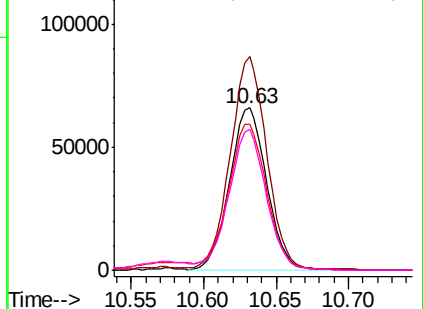


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.00 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051169.D

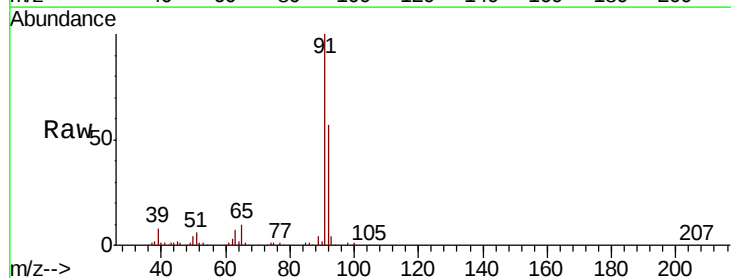
Acq: 13 Sep 2018 14:54

Tgt Ion: 91 Resp: 522772

Ion Ratio Lower Upper

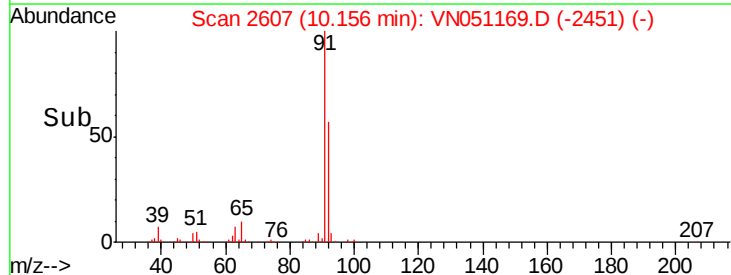
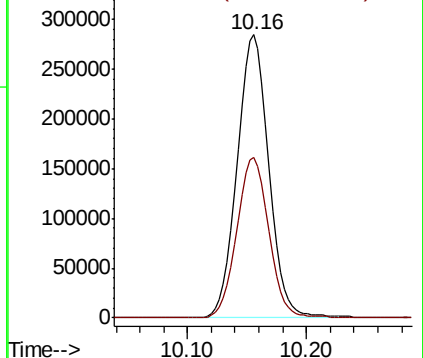
91 100

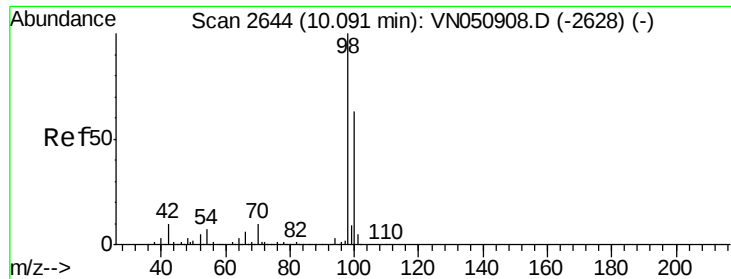
92 57.5 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.15 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

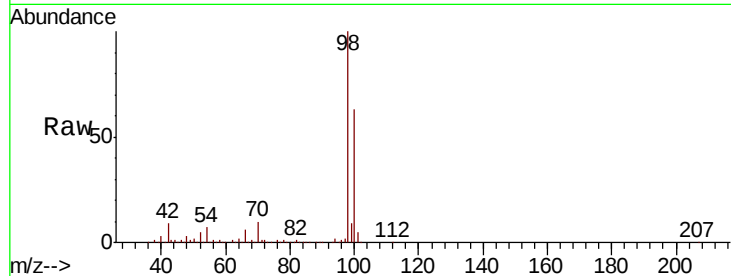
VN0913WBSD02

Tot Ion: 98 Resp: 707621

Ion Ratio Lower Upper

98 100

100 62.5 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

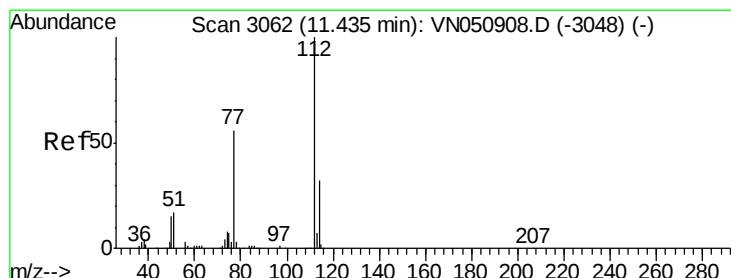
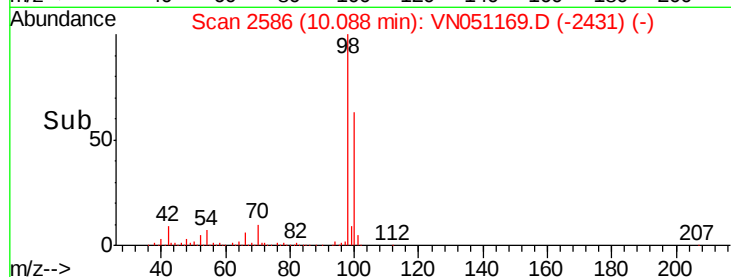
200000

100000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 18.85 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051169.D

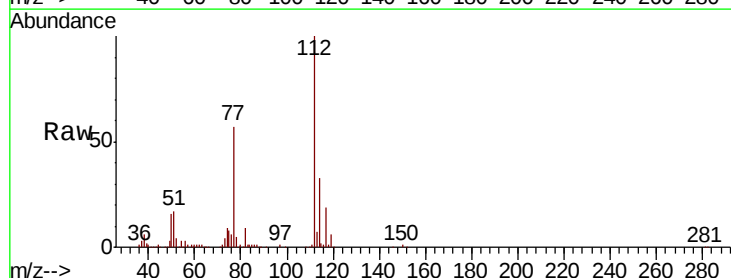
Acq: 13 Sep 2018 14:54

Tgt Ion: 112 Resp: 339256

Ion Ratio Lower Upper

112 100

114 32.5 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) (-)

11.43

200000

150000

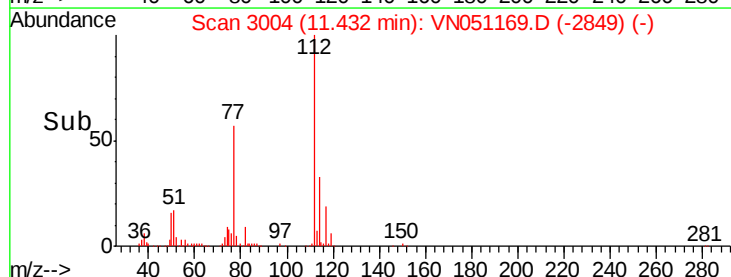
100000

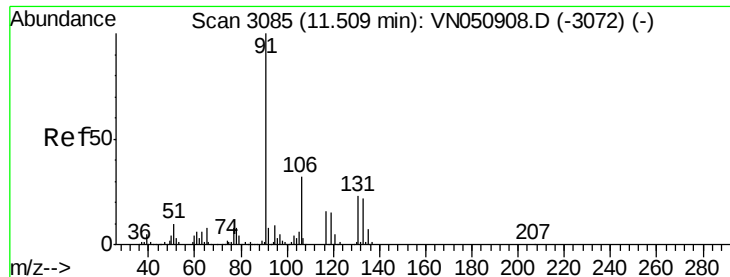
50000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.38 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

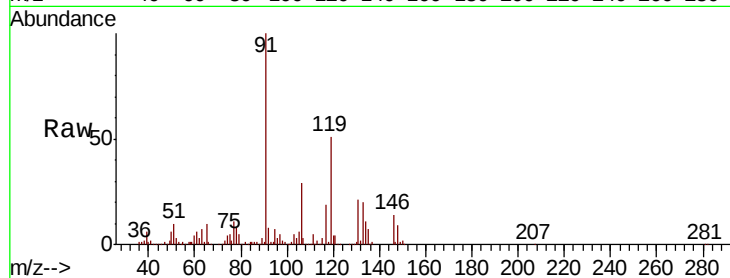
Tot Ion:131 Resp: 131744

Ion Ratio Lower Upper

131 100

133 96.0 0.0 189.4

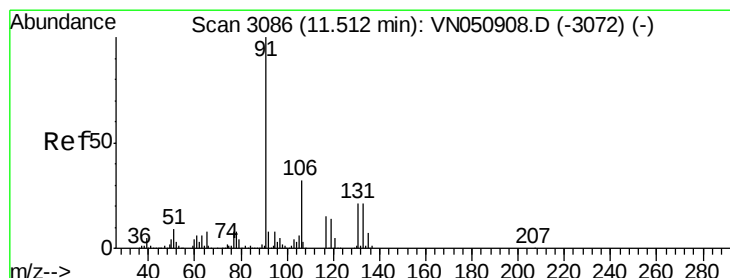
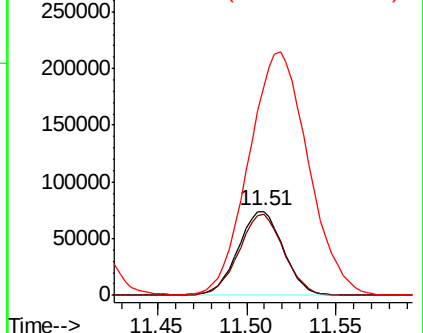
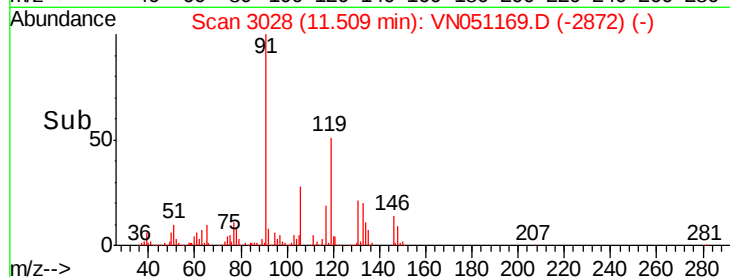
119 380.5 0.0 132.2#



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: 21.74 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051169.D

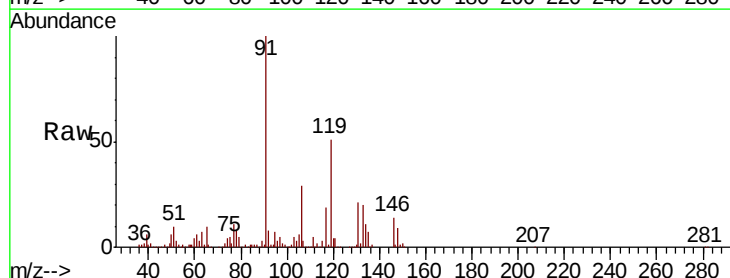
Acq: 13 Sep 2018 14:54

Tgt Ion: 91 Resp: 654008

Ion Ratio Lower Upper

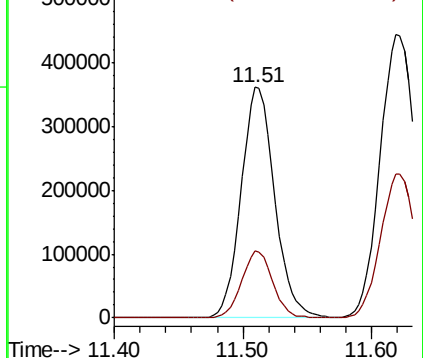
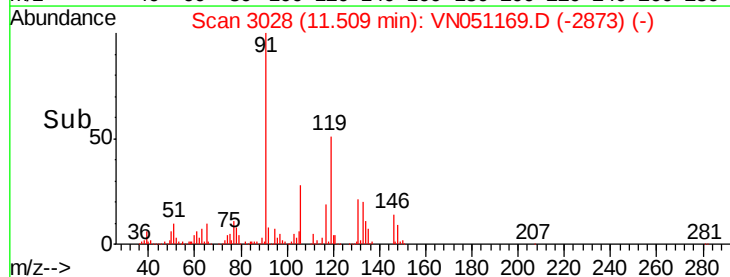
91 100

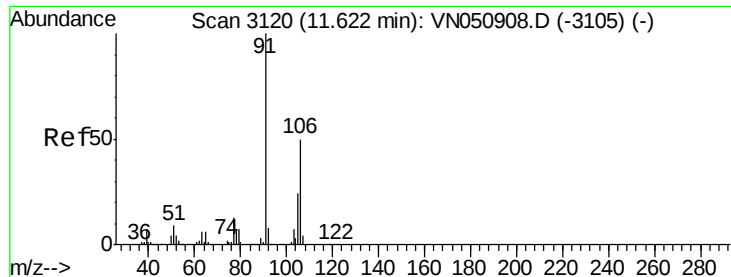
106 29.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 37.38 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

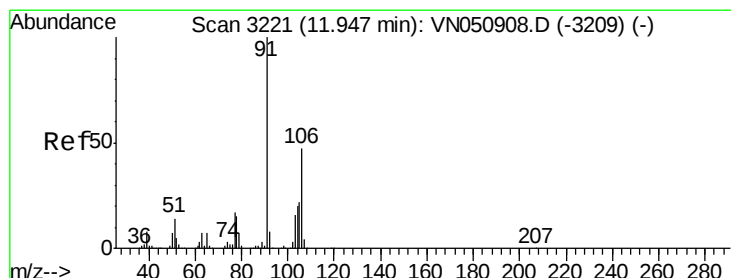
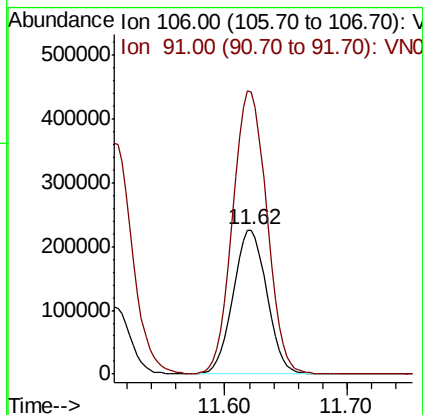
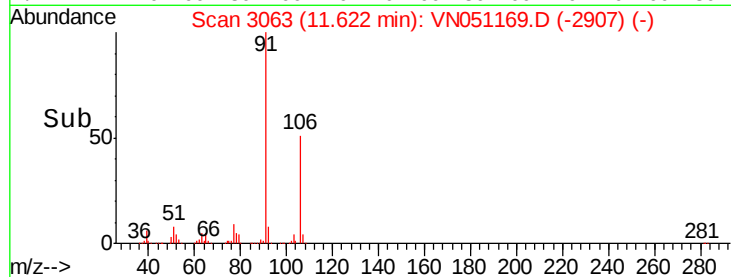
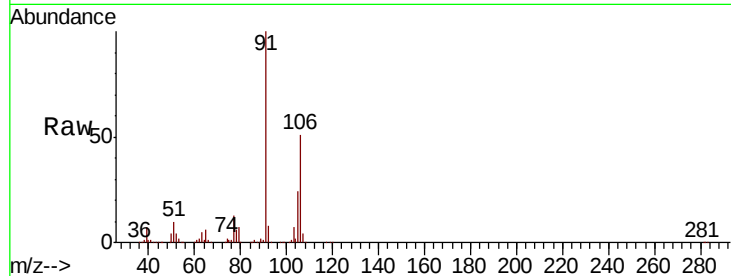
VN0913WBSD02

Tot Ion:106 Resp: 432704

Ion Ratio Lower Upper

106 100

91 199.0 160.6 241.0



#68

o-Xylene

Concen: 18.33 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051169.D

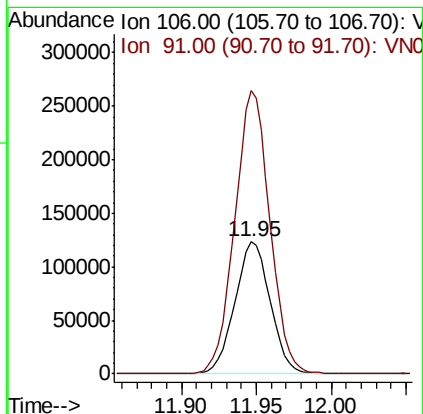
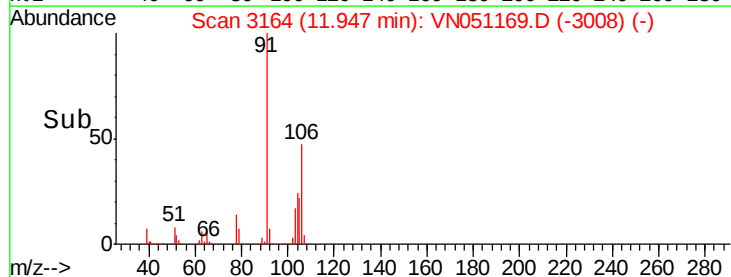
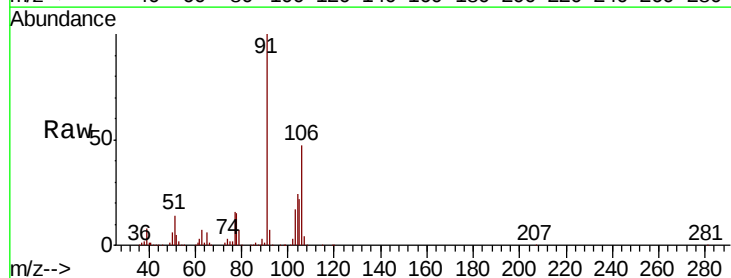
Acq: 13 Sep 2018 14:54

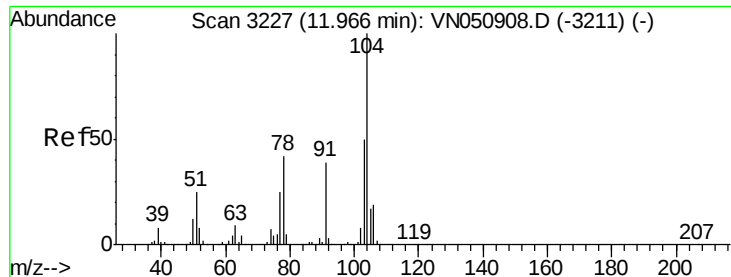
Tgt Ion:106 Resp: 202750

Ion Ratio Lower Upper

106 100

91 211.8 106.4 319.2





#69

Stvrene

Concen: 18.39 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

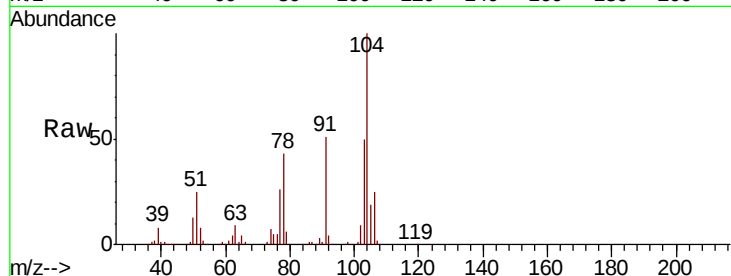
Tot Ion:104 Resp: 323314

Ion Ratio Lower Upper

104 100

78 47.8 38.6 58.0

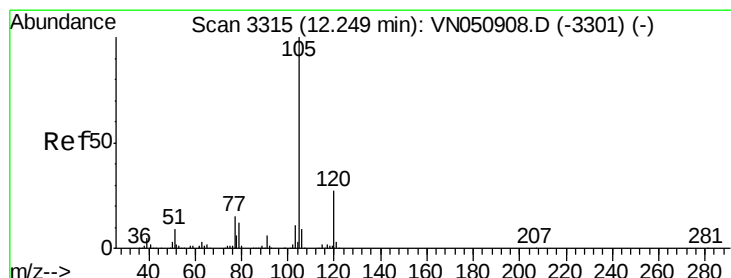
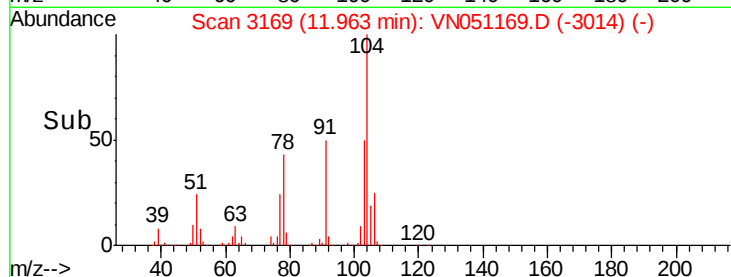
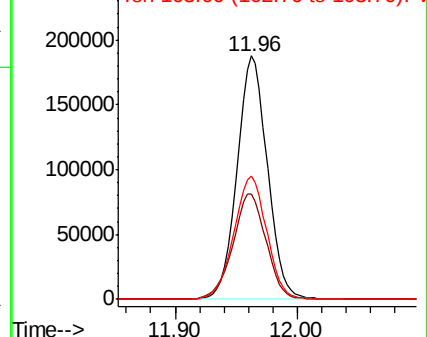
103 55.3 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.46 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051169.D

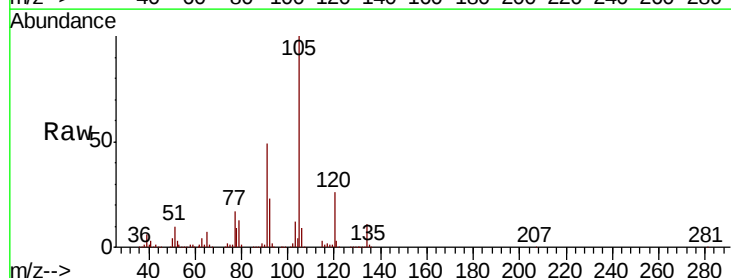
Acq: 13 Sep 2018 14:54

Tgt Ion:105 Resp: 571947

Ion Ratio Lower Upper

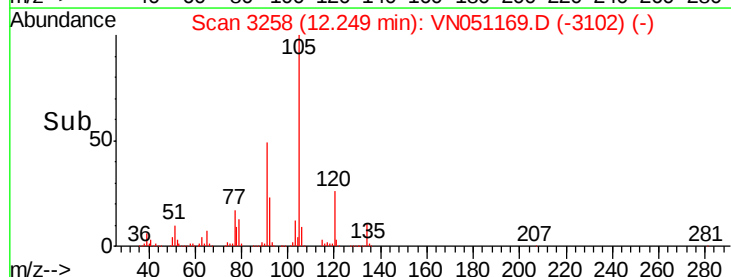
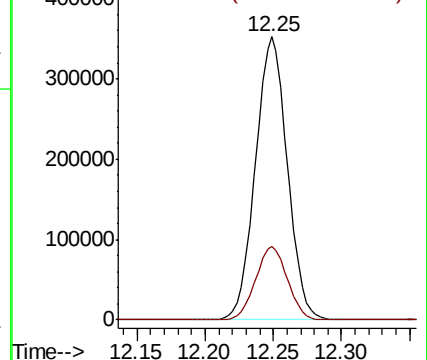
105 100

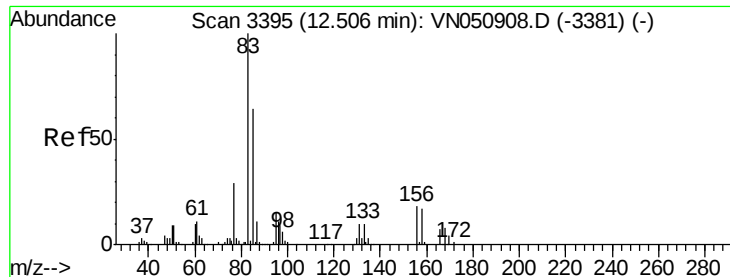
120 25.8 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 19.60 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

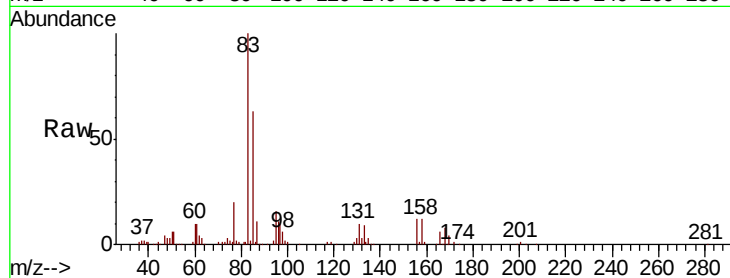
Tot Ion: 83 Resp: 156000

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.9

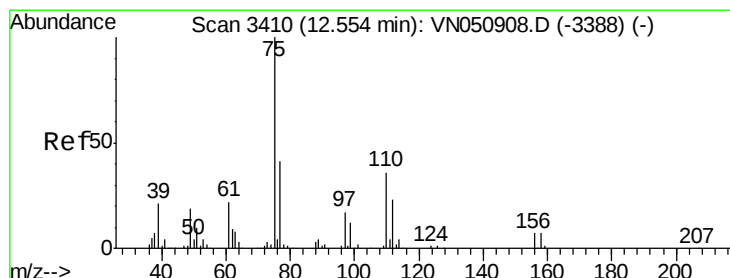
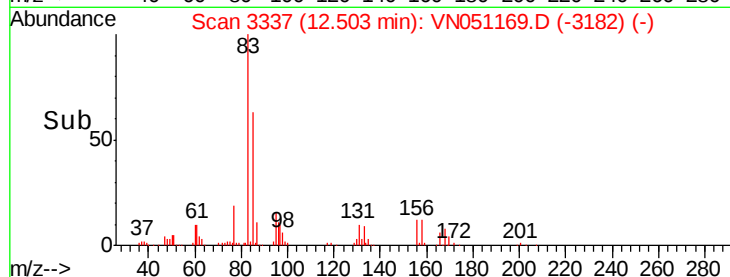
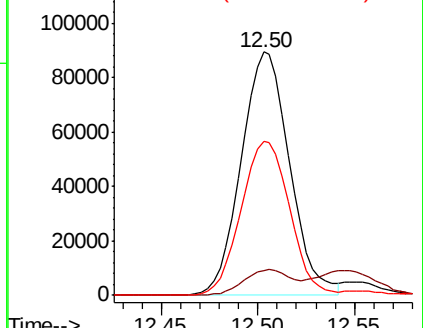
85 63.4 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 24.97 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051169.D

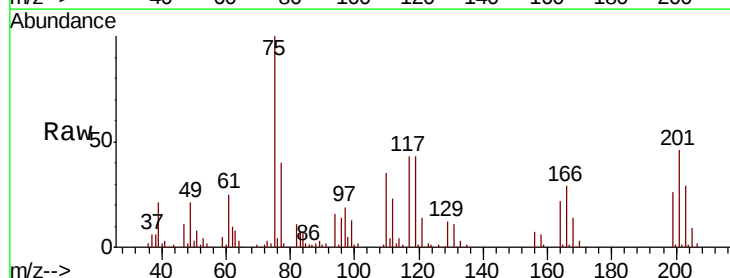
Acq: 13 Sep 2018 14:54

Tgt Ion: 75 Resp: 171441

Ion Ratio Lower Upper

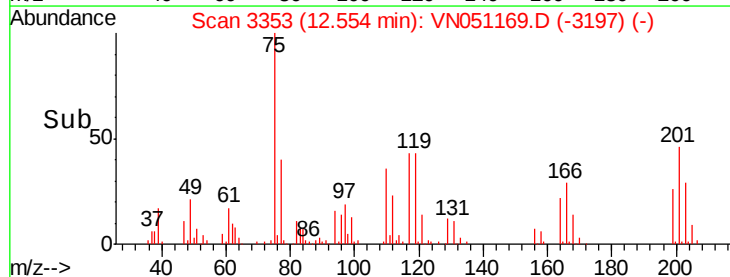
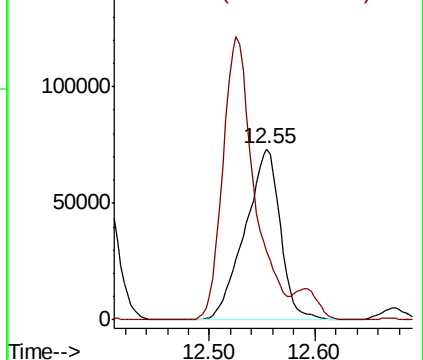
75 100

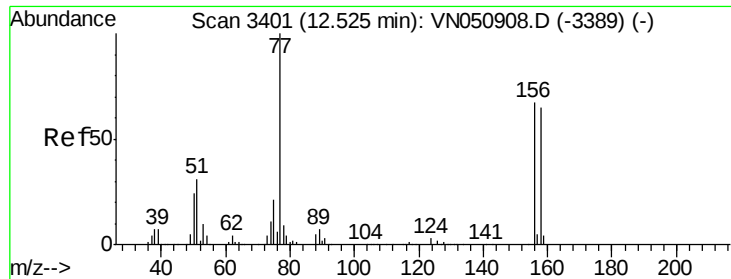
77 147.0 0.0 301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 17.96 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

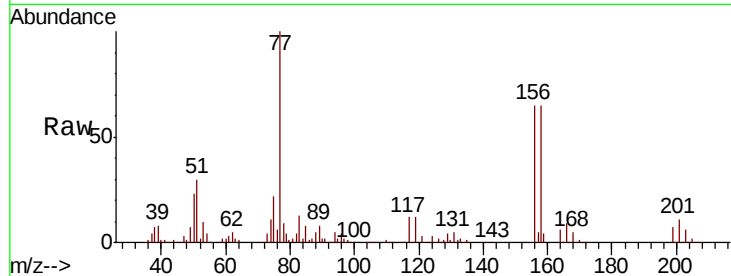
Tot Ion:156 Resp: 138872

Ion Ratio Lower Upper

156 100

77 181.5 0.0 359.4

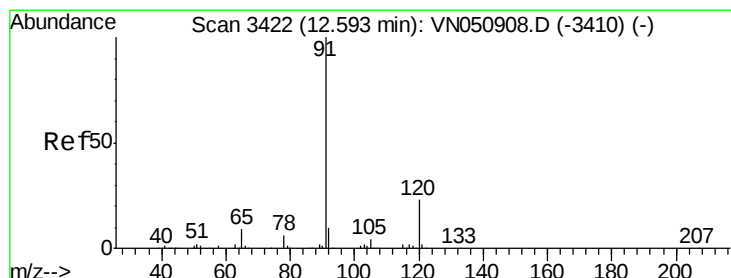
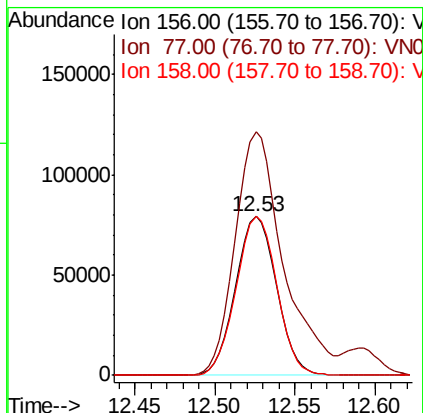
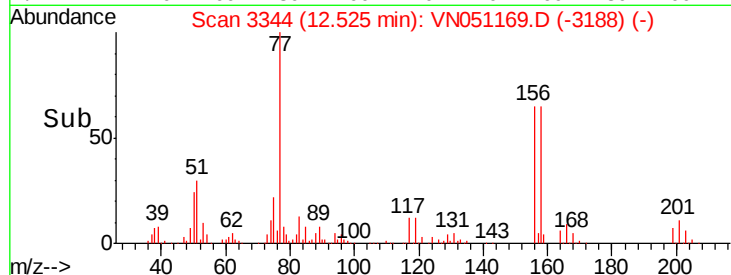
158 99.1 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.44 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051169.D

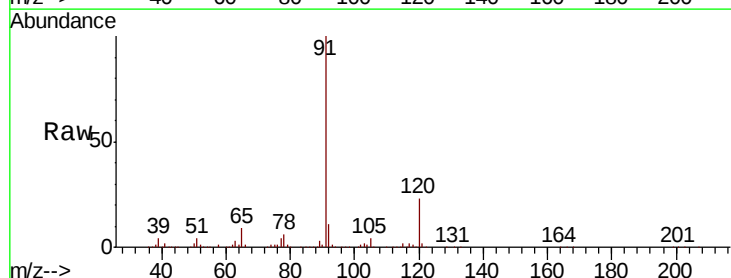
Acq: 13 Sep 2018 14:54

Tgt Ion: 91 Resp: 579542

Ion Ratio Lower Upper

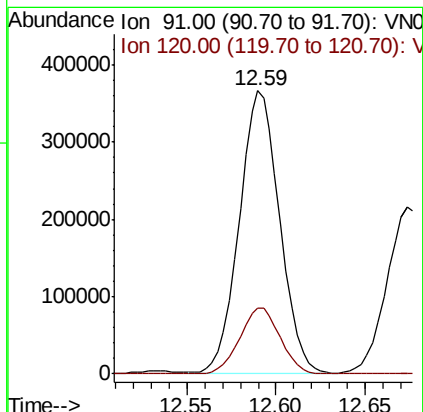
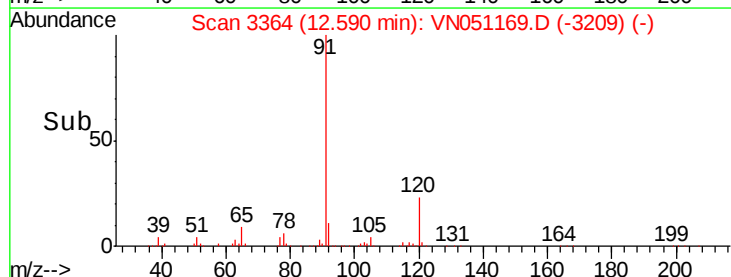
91 100

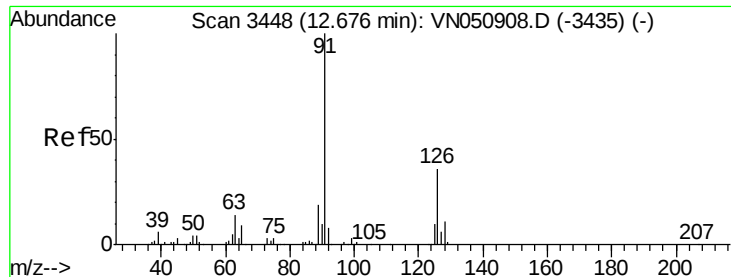
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.97 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

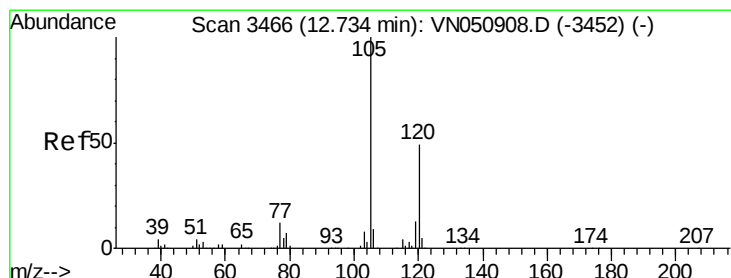
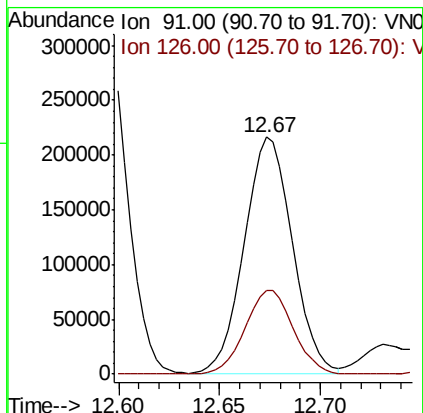
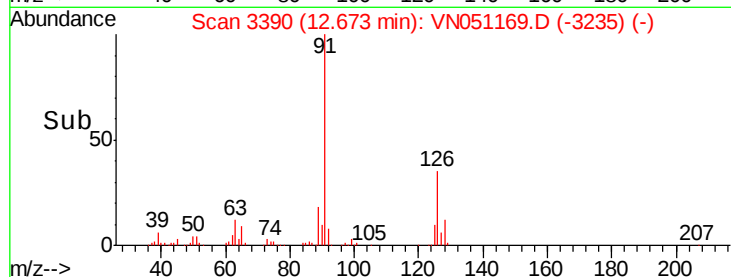
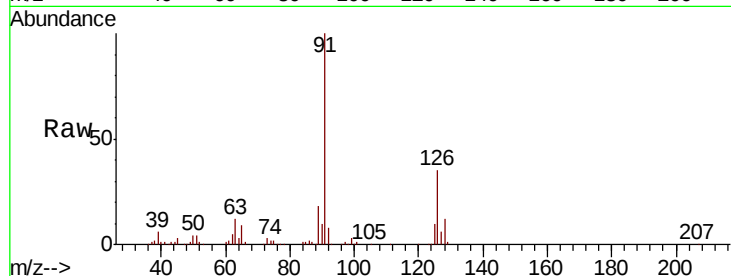
VN0913WBSD02

Tot Ion: 91 Resp: 362737

Ion Ratio Lower Upper

91 100

126 35.4 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 18.06 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051169.D

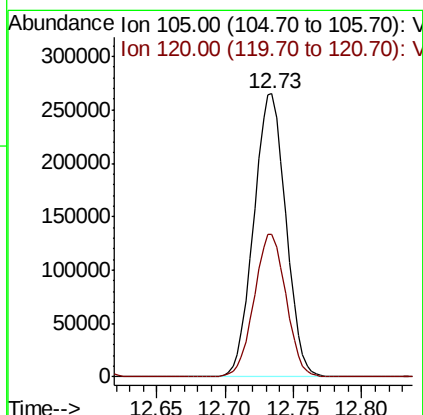
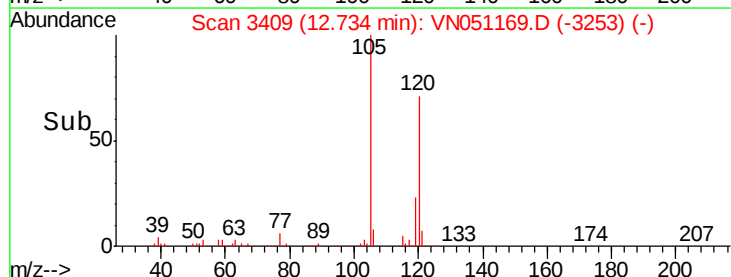
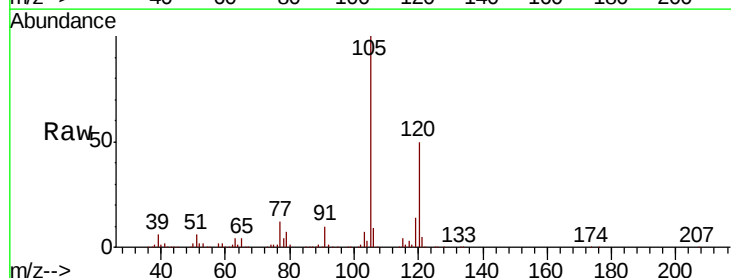
Acq: 13 Sep 2018 14:54

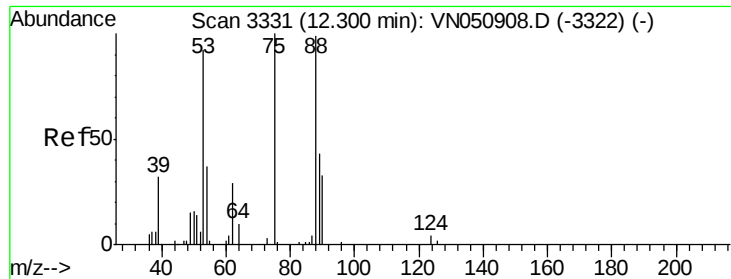
Tgt Ion: 105 Resp: 433807

Ion Ratio Lower Upper

105 100

120 49.8 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.86 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

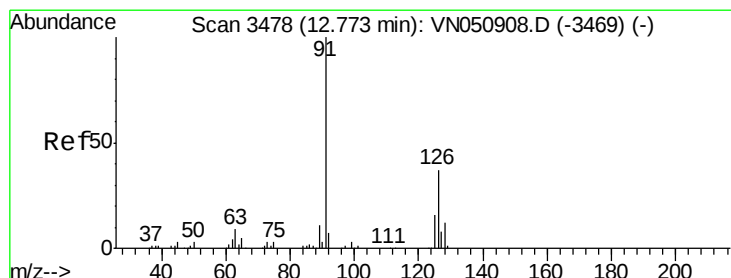
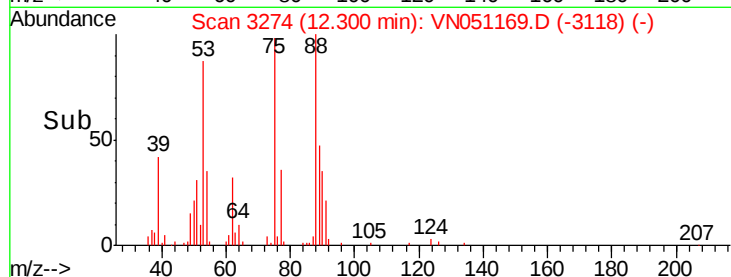
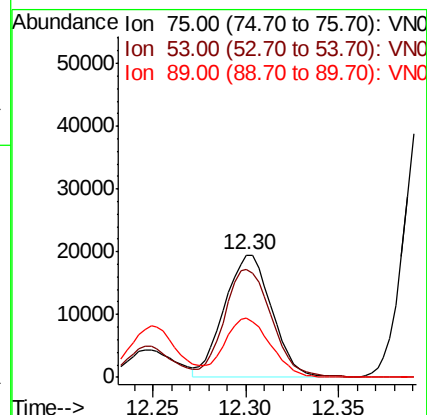
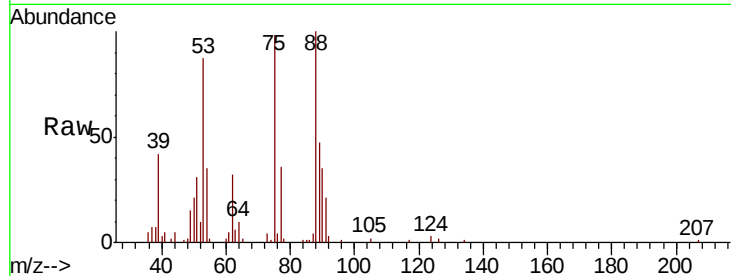
Tot Ion: 75 Resp: 34936

Ion Ratio Lower Upper

75 100

53 87.1 45.5 136.4

89 48.1 21.9 65.8



#78

4-Chlorotoluene

Concen: 17.63 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051169.D

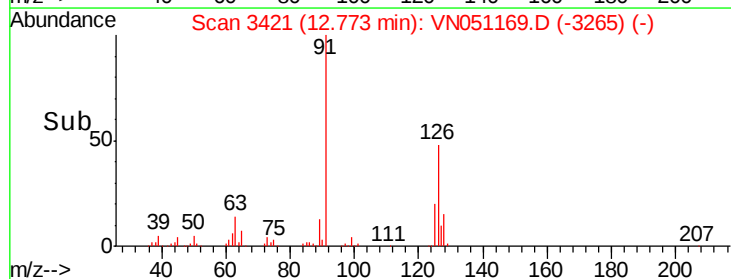
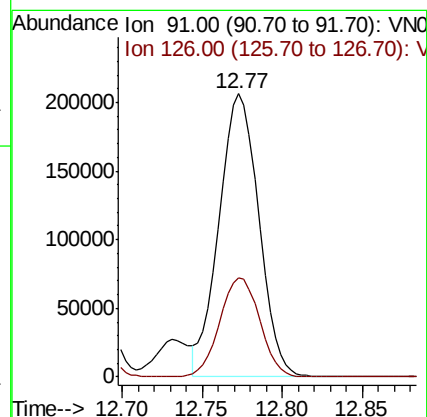
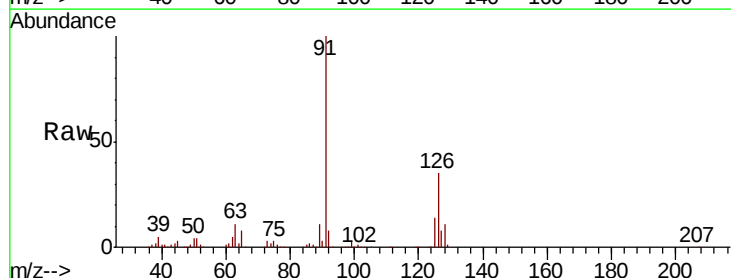
Acq: 13 Sep 2018 14:54

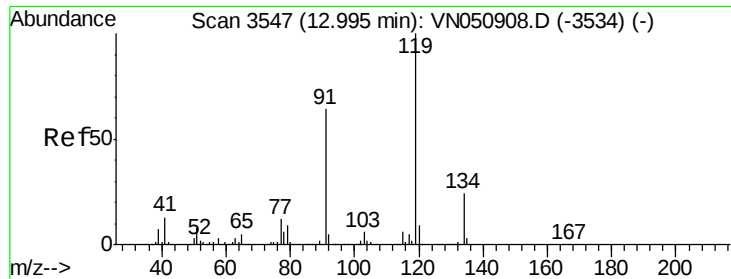
Tgt Ion: 91 Resp: 350508

Ion Ratio Lower Upper

91 100

126 35.3 0.0 69.8

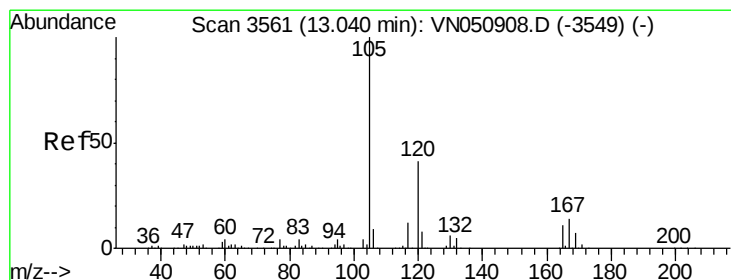
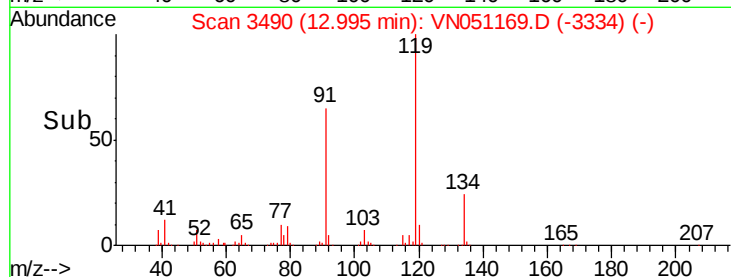
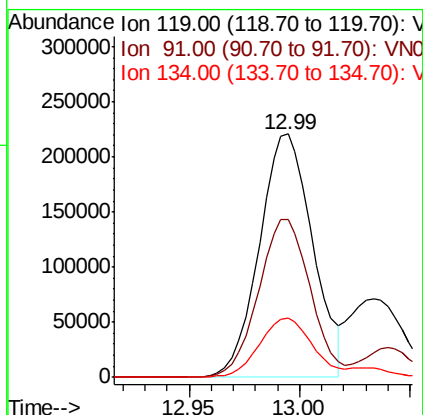
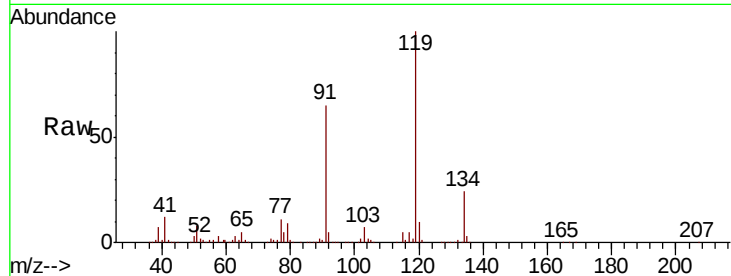




#79
tert-butylbenzene
Concen: 17.75 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

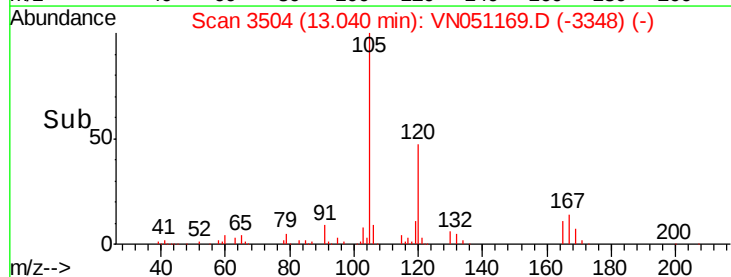
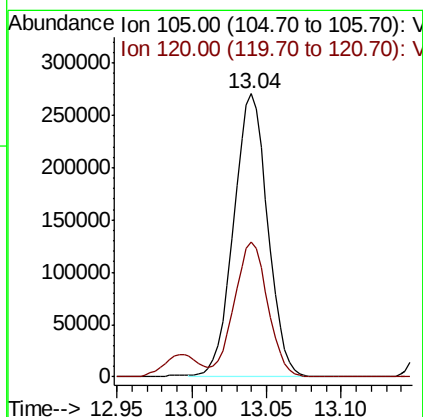
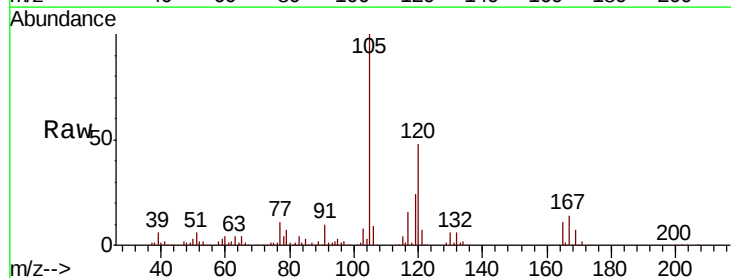
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

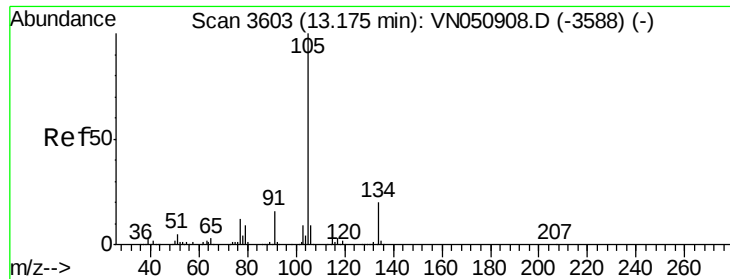
Tot Ion:119 Resp: 370248
Ion Ratio Lower Upper
119 100
91 62.8 0.0 125.6
134 24.4 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 17.86 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion:105 Resp: 427729
Ion Ratio Lower Upper
105 100
120 47.1 0.0 93.6





#81

sec-Butylbenzene

Concen: 17.57 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

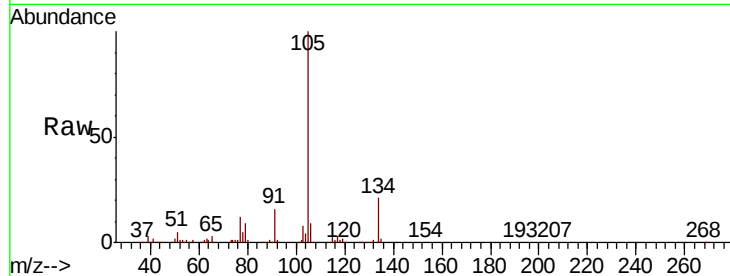
VN0913WBSD02

Tot Ion:105 Resp: 479543

Ion Ratio Lower Upper

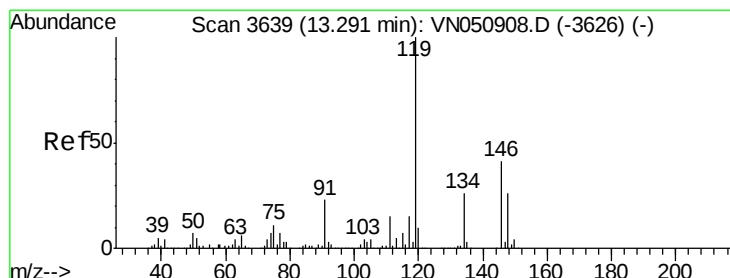
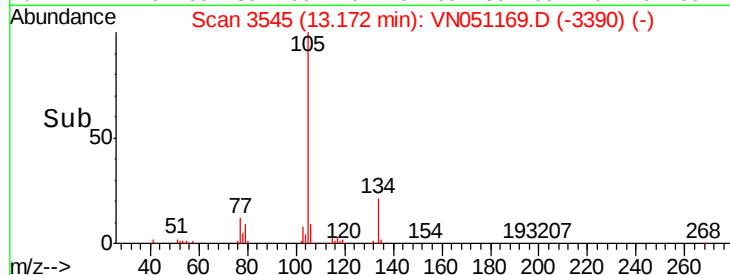
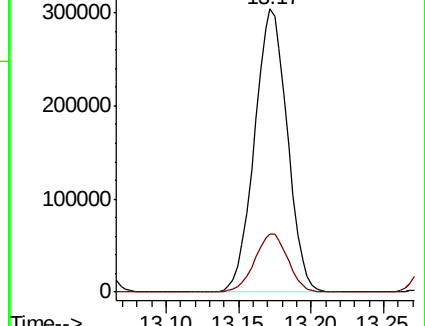
105 100

134 20.8 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: 17.42 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

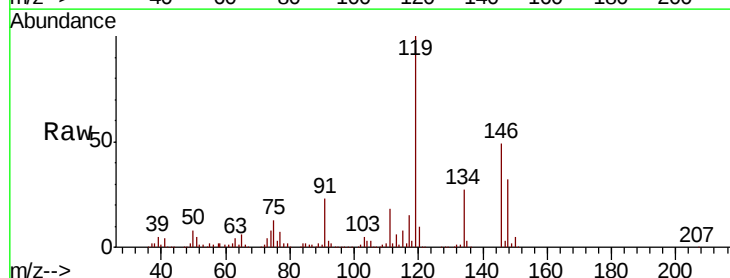
Tgt Ion:119 Resp: 410426

Ion Ratio Lower Upper

119 100

134 26.6 0.0 53.2

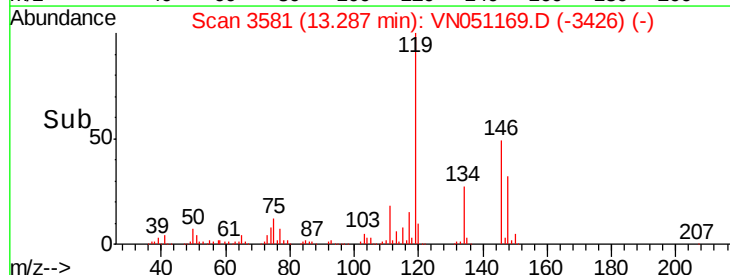
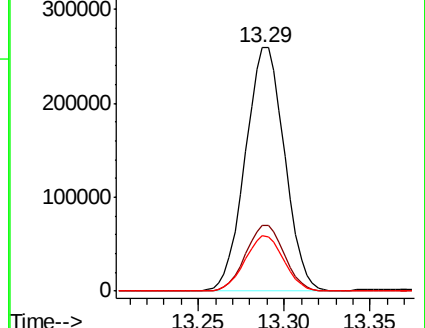
91 22.4 0.0 46.0

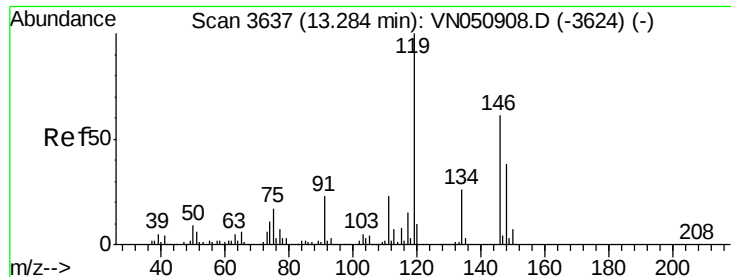


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

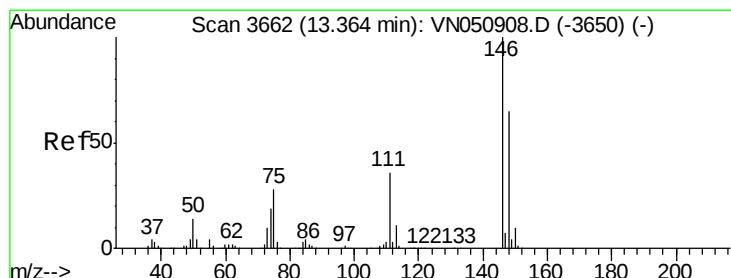
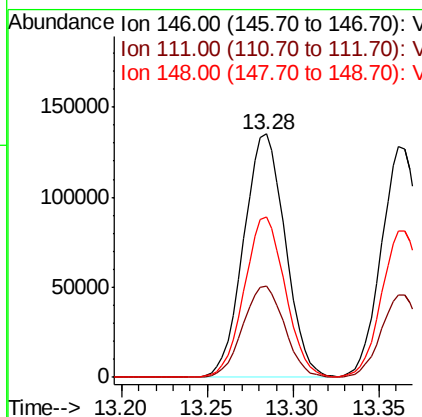
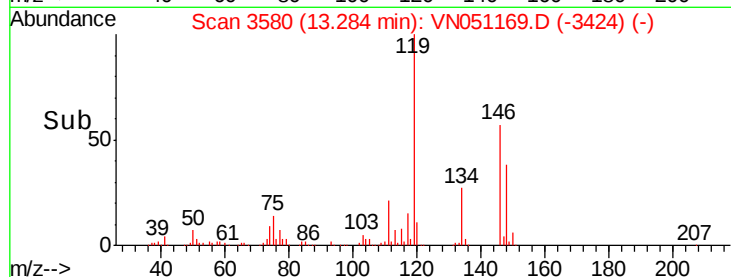
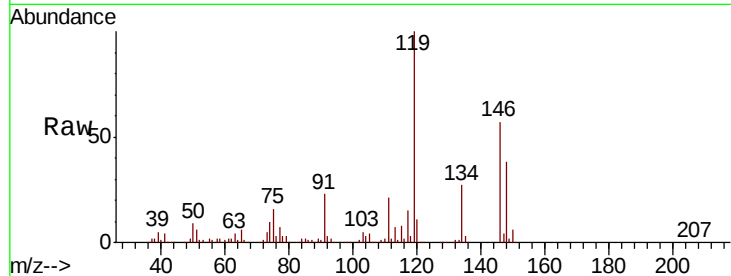




#83
 1,3-Dichlorobenzene
 Concen: 17.45 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

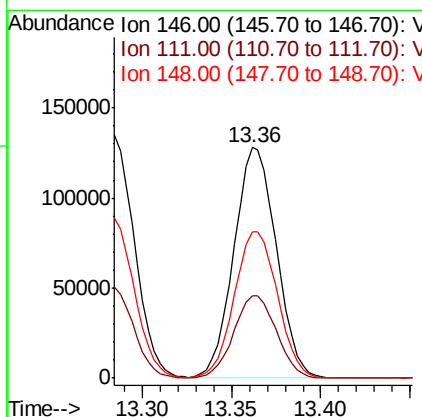
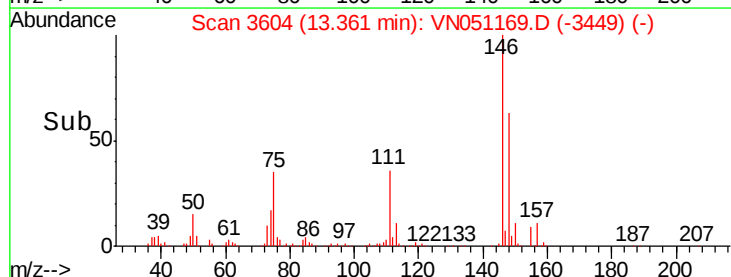
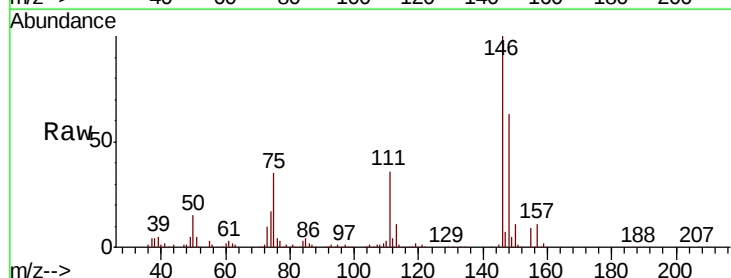
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

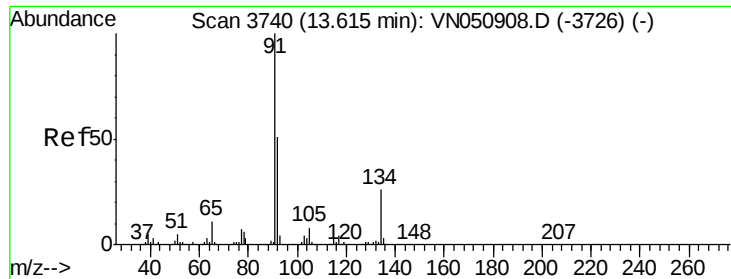
Tot Ion:146 Resp: 228153
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 64.6 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 17.03 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion:146 Resp: 211016
 Ion Ratio Lower Upper
 146 100
 111 36.2 17.7 53.1
 148 65.0 31.6 94.8

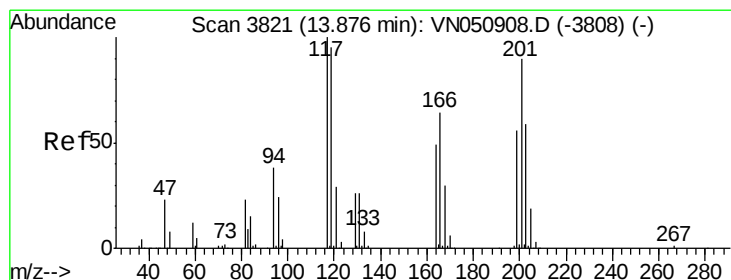
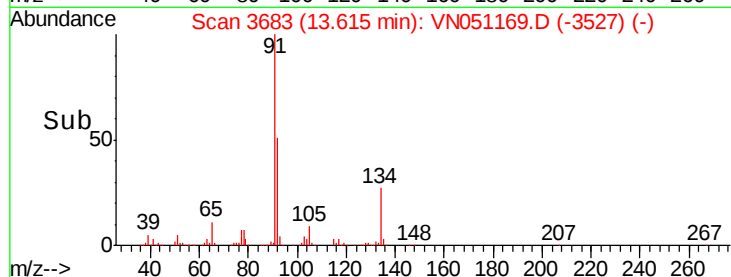
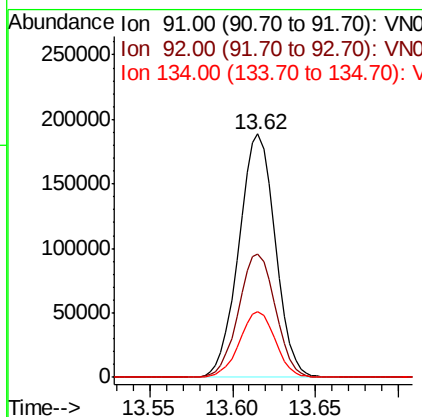
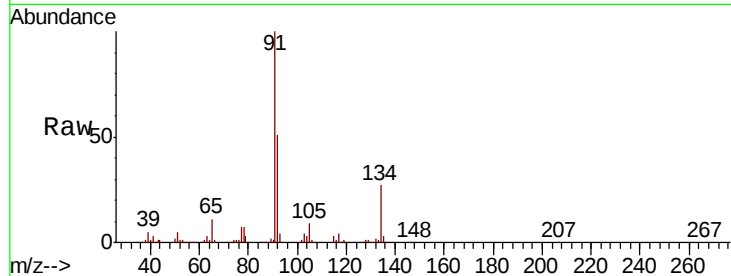




#85
n-Butylbenzene
Concen: 16.03 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

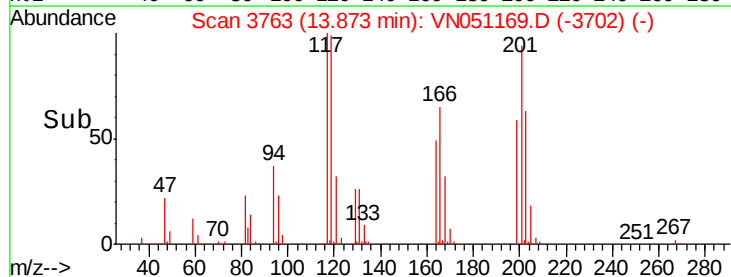
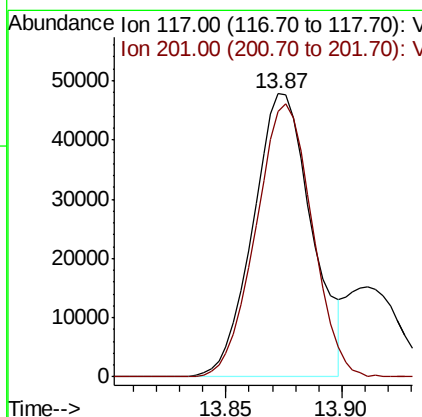
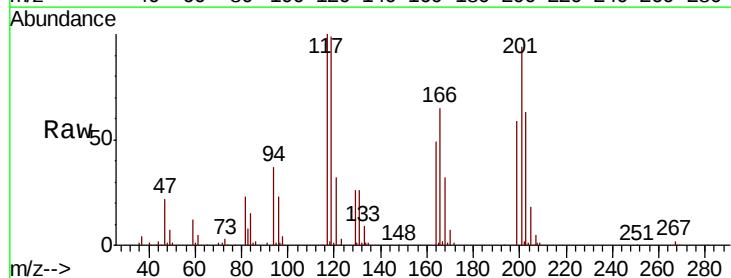
Instrument :
MSVOA_N
ClientSampleId :
VN0913WBSD02

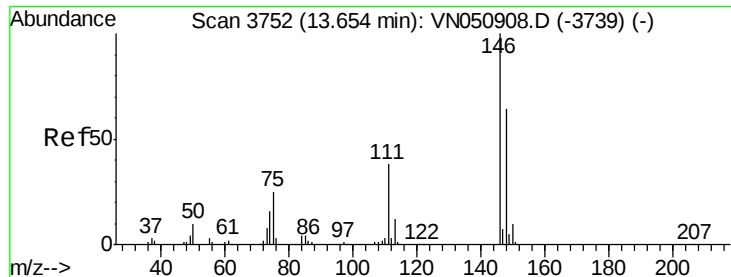
Tot Ion: 91 Resp: 288147
Ion Ratio Lower Upper
91 100
92 51.3 0.0 101.8
134 26.5 0.0 52.2



#86
Hexachloroethane
Concen: 18.65 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051169.D
Acq: 13 Sep 2018 14:54

Tgt Ion: 117 Resp: 84317
Ion Ratio Lower Upper
117 100
201 92.2 45.8 137.4

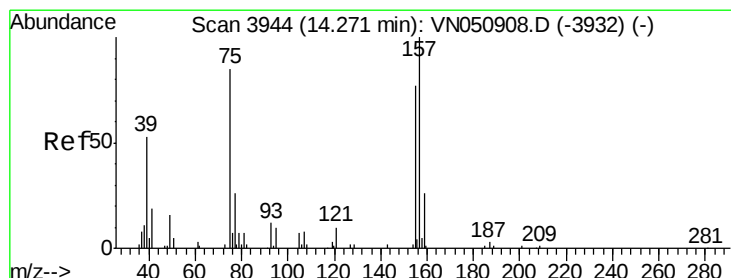
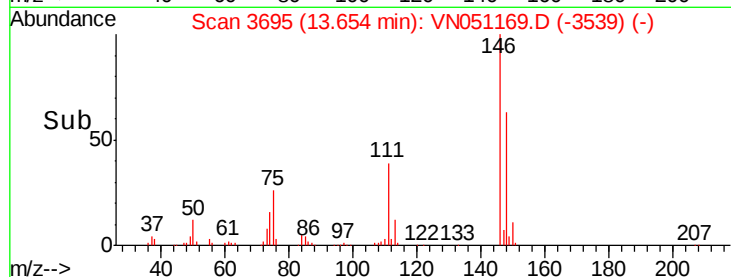
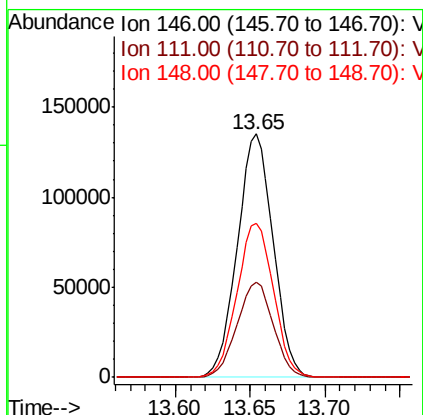
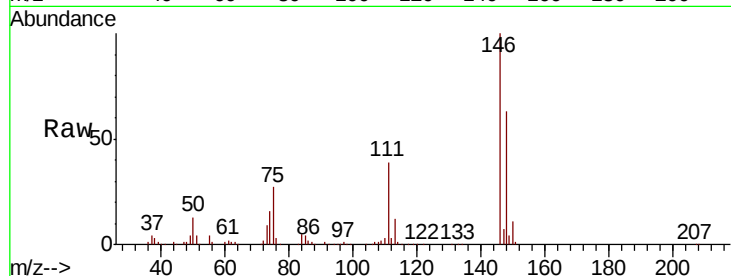




#87
 1,2-Dichlorobenzene
 Concen: 17.48 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

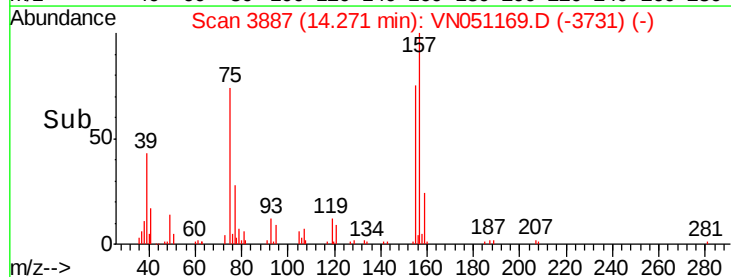
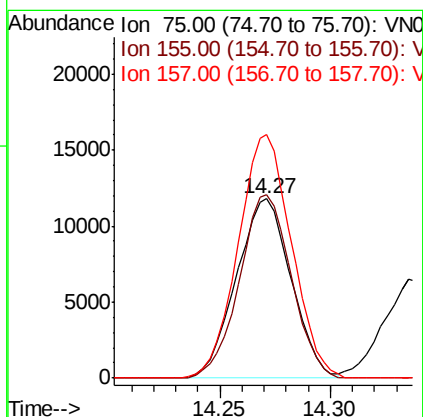
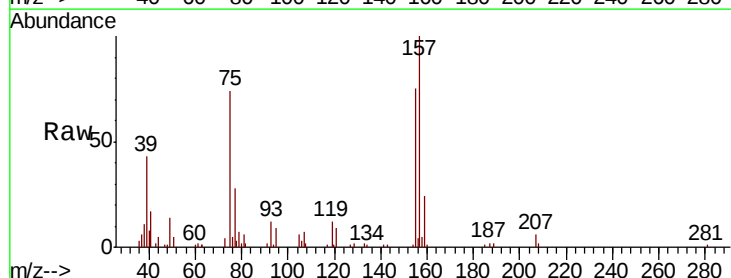
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

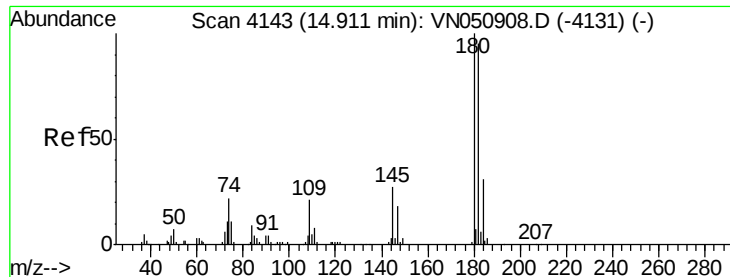
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	64.5	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.23 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	71.8	107.6
157	132.0	91.1	136.7

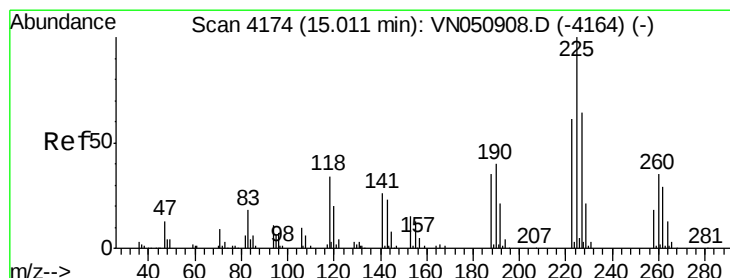
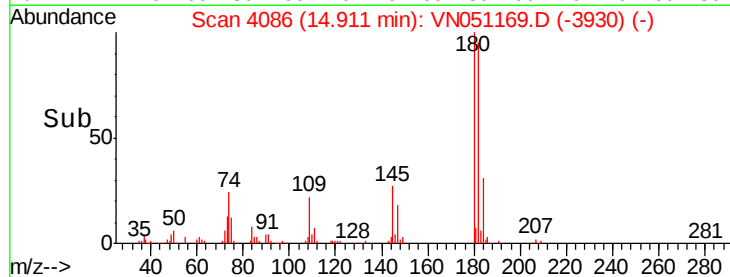
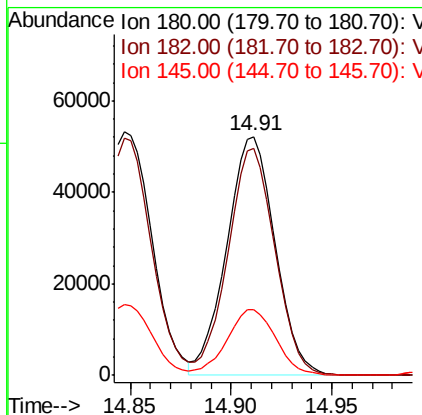
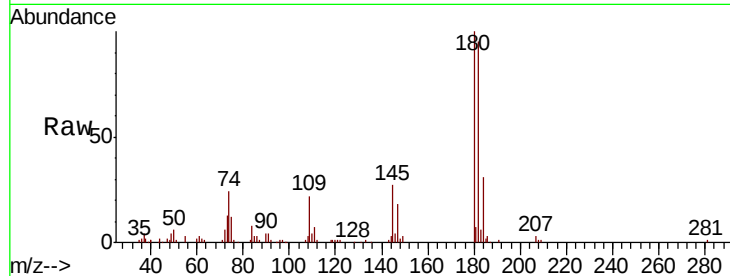




#89
 1,2,4-Trichlorobenzene
 Concen: 15.31 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

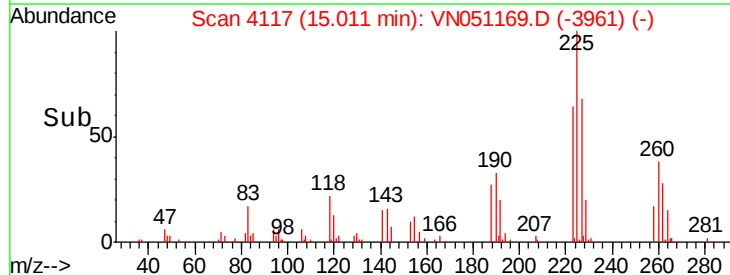
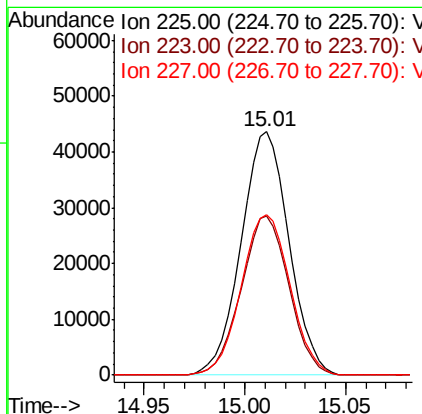
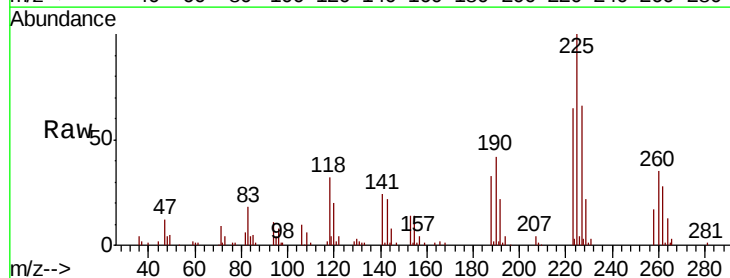
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0913WBSD02

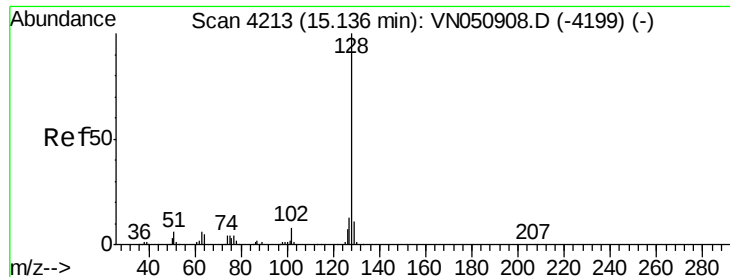
Tot Ion:180 Resp: 87713
 Ion Ratio Lower Upper
 180 100
 182 92.7 76.2 114.4
 145 27.7 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 18.63 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051169.D
 Acq: 13 Sep 2018 14:54

Tgt Ion:225 Resp: 72499
 Ion Ratio Lower Upper
 225 100
 223 65.2 0.0 127.8
 227 67.1 0.0 128.4





#91

Naphthalene

Concen: 18.42 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

Instrument :

MSVOA_N

ClientSampleId :

VN0913WBSD02

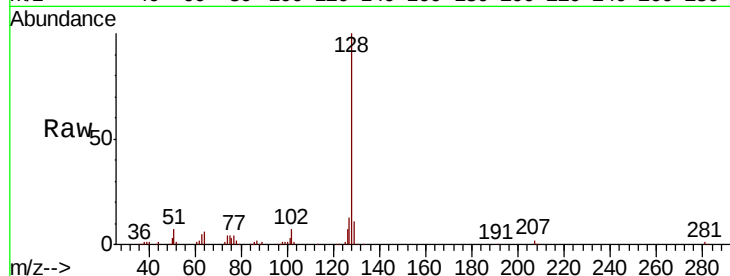
Tot Ion:128 Resp: 176186

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

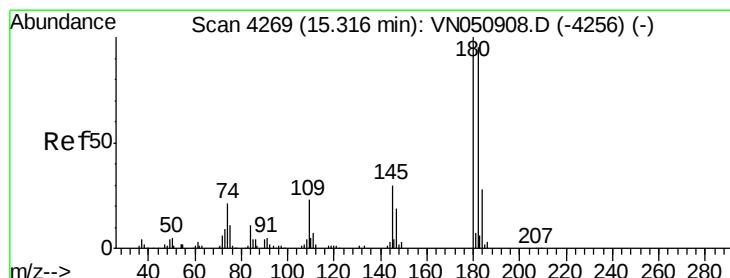
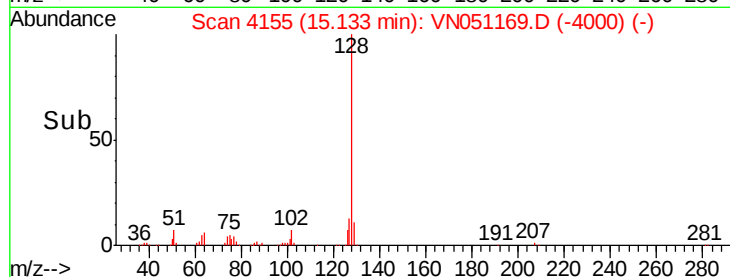
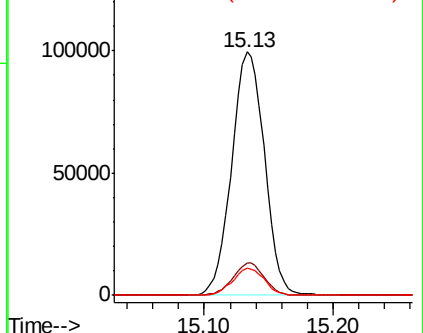
129 10.7 8.7 13.1



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: 16.28 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051169.D

Acq: 13 Sep 2018 14:54

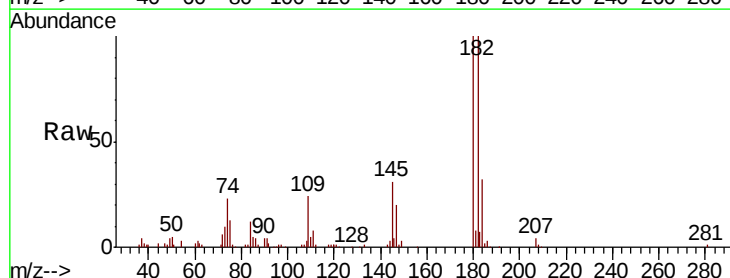
Tgt Ion:180 Resp: 93566

Ion Ratio Lower Upper

180 100

182 99.2 0.0 192.8

145 30.8 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

