

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053579.D
 Acq On : 1 Feb 2019 16:28
 Operator : JC/SP
 Sample : VN0201WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

Quant Time: Feb 01 22:50:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	680291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051092	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	911383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	435976	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353059	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	
35) Dibromofluoromethane	7.59	113	333970	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.09	98	1238731	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
62) 4-Bromofluorobenzene	12.40	95	409006	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	148678	19.593	ug/l	99
3) Chloromethane	2.06	50	160698	19.897	ug/l	99
4) Vinyl Chloride	2.19	62	162131	20.680	ug/l	97
5) Bromomethane	2.57	94	104783	20.441	ug/l	99
6) Chloroethane	2.71	64	89373	19.948	ug/l	99
7) Trichlorofluoromethane	3.02	101	214019	20.130	ug/l	99
8) Diethyl Ether	3.41	74	77748	20.024	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	127574	19.402	ug/l	98
10) Methyl Iodide	3.96	142	197482	19.135	ug/l	99
11) Tert butyl alcohol	4.80	59	41711	103.271	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	128549	20.406	ug/l	96
13) Acrolein	3.61	56	13508	61.426	ug/l	95
14) Allyl chloride	4.32	41	200677	20.007	ug/l	99
15) Acrylonitrile	4.99	53	230129	105.542	ug/l	99
16) Acetone	3.82	43	164365	93.894	ug/l	98
17) Carbon Disulfide	4.06	76	372297	18.979	ug/l	99
18) Methyl Acetate	4.33	43	108672	20.962	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	329467	20.630	ug/l	99
20) Methylene Chloride	4.55	84	142109	19.350	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	132986	19.567	ug/l	98
22) Diisopropyl ether	5.95	45	377855	20.331	ug/l	93
23) Vinyl Acetate	5.90	43	1337421	104.021	ug/l	99
24) 1,1-Dichloroethane	5.85	63	251045	20.252	ug/l	99
25) 2-Butanone	6.84	43	245018	98.139	ug/l	97
26) 2,2-Dichloropropane	6.82	77	180760	19.102	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	152406	20.166	ug/l	99
28) Bromochloromethane	7.19	49	109407	20.338	ug/l	98
29) Tetrahydrofuran	7.21	42	167317	104.366	ug/l	98
30) Chloroform	7.37	83	243872	19.846	ug/l	99
31) Cyclohexane	7.65	56	224176	19.319	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	203607	19.910	ug/l	98
36) 1,1-Dichloropropene	7.79	75	175373	18.509	ug/l	96
37) Ethyl Acetate	6.93	43	109598	20.711	ug/l	98
38) Carbon Tetrachloride	7.77	117	183976	19.275	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198464	17.655	ug/l	98
40) Benzene	8.04	78	572382	19.590	ug/l	100
41) Methacrylonitrile	7.18	41	64769	21.899	ug/l	94
42) 1,2-Dichloroethane	8.12	62	167023	19.252	ug/l	98
43) Isopropyl Acetate	8.17	43	205630	20.121	ug/l #	86
44) Trichloroethene	8.83	130	160570	19.303	ug/l	100
45) 1,2-Dichloropropane	9.12	63	148909	19.926	ug/l	100
46) Dibromomethane	9.21	93	88244	19.588	ug/l	98
47) Bromodichloromethane	9.40	83	185268	19.779	ug/l	99
48) Methyl methacrylate	9.20	41	98251	20.141	ug/l	99
49) 1,4-Dioxane	9.21	88	27390	411.438	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	507884	101.133	ug/l	99
52) Toluene	10.16	92	344631	19.874	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	175505	18.712	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	214978	19.342	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	128151	20.509	ug/l	96
56) Ethyl methacrylate	10.43	69	144992	19.614	ug/l	100
57) 1,3-Dichloropropane	10.71	76	214439	20.080	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	404827	93.485	ug/l	99
59) 2-Hexanone	10.75	43	322350	94.552	ug/l	99
60) Dibromochloromethane	10.90	129	138448	19.648	ug/l	100
61) 1,2-Dibromoethane	11.01	107	117651	19.023	ug/l	99
64) Tetrachloroethene	10.63	164	148042	18.949	ug/l	97
65) Chlorobenzene	11.43	112	376970	19.473	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	132339	19.574	ug/l	99
67) Ethyl Benzene	11.51	91	620712	19.519	ug/l	100
68) m/p-Xylenes	11.62	106	480934	39.625	ug/l	100
69) o-Xylene	11.95	106	235175	20.057	ug/l	98
70) Styrene	11.96	104	379597	19.973	ug/l	99
71) Bromoform	12.13	173	94250	20.334	ug/l #	99
73) Isopropylbenzene	12.25	105	613310	20.011	ug/l	100
74) N-amyl acetate	12.07	43	139950	18.989	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	146605	19.987	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	176873	31.585	ug/l #	100
77) Bromobenzene	12.53	156	161311	19.529	ug/l	100
78) n-propylbenzene	12.59	91	705435	19.911	ug/l	100
79) 2-Chlorotoluene	12.67	91	418233	19.897	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	522593	20.562	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35716	17.935	ug/l	96
82) 4-Chlorotoluene	12.77	91	421426	19.538	ug/l	99
83) tert-Butylbenzene	12.99	119	459284	20.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	529612	20.454	ug/l	99
85) sec-Butylbenzene	13.17	105	618171	20.223	ug/l	100
86) p-Isopropyltoluene	13.29	119	538495	20.143	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	284582	19.166	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	278212	18.941	ug/l	100
89) n-Butylbenzene	13.61	91	447566	19.342	ug/l	99
90) Hexachloroethane	13.88	117	86681	19.657	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	278605	19.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20884	19.978	ug/l	98

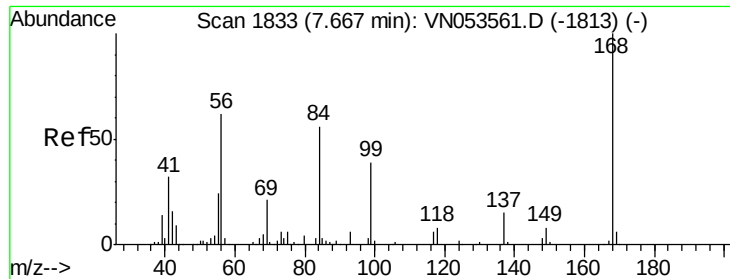
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
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QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	156223	19.162	ug/l	100
94) Hexachlorobutadiene	15.01	225	97961	19.294	ug/l	99
95) Naphthalene	15.13	128	332702	18.505	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	149597	19.775	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

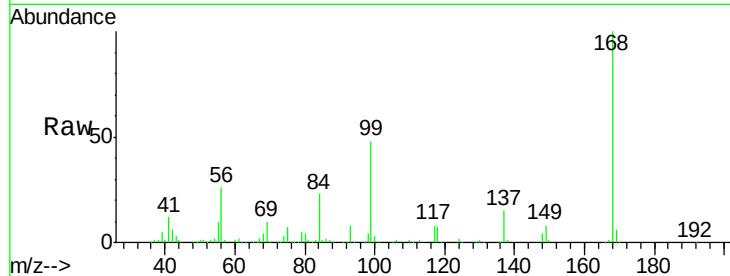
VN0201WBSD01

Tot Ion:168 Resp: 680291

Ion Ratio Lower Upper

168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

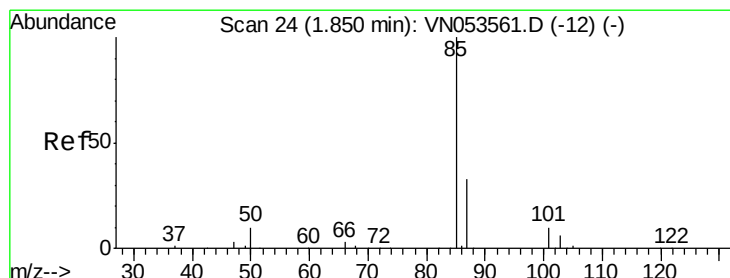
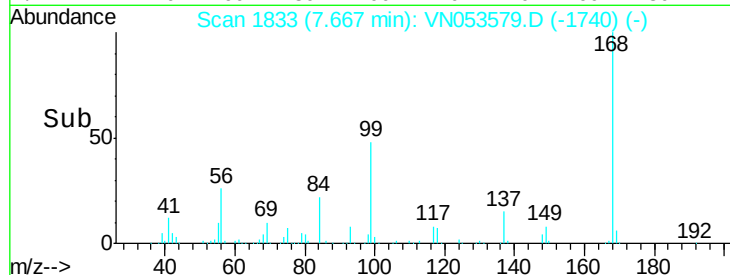
100000

50000

0

7.60 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.593 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053579.D

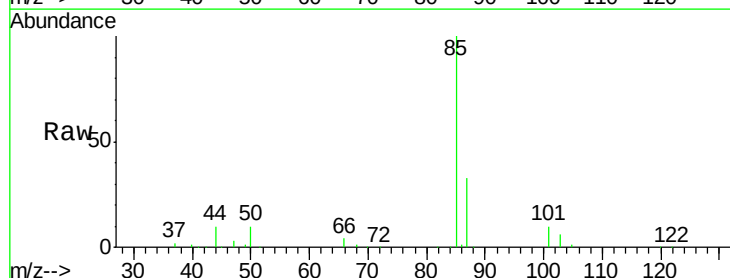
Acq: 1 Feb 2019 16:28

Tgt Ion: 85 Resp: 148678

Ion Ratio Lower Upper

85 100

87 32.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

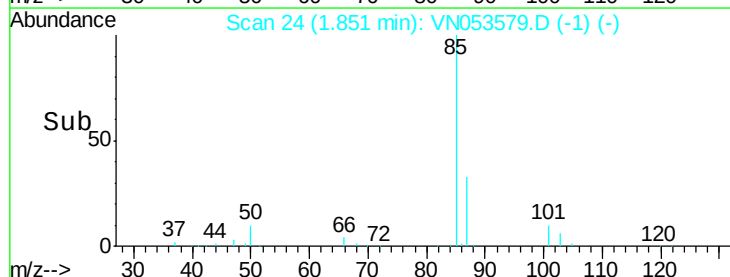
40000

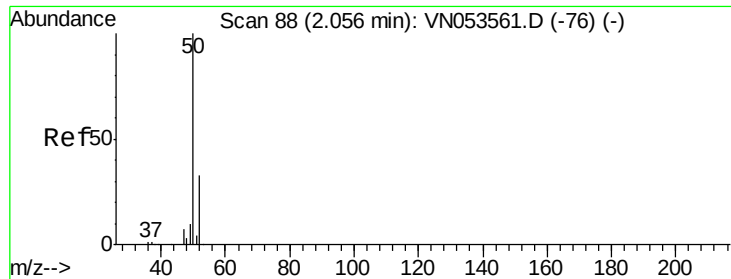
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.897 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

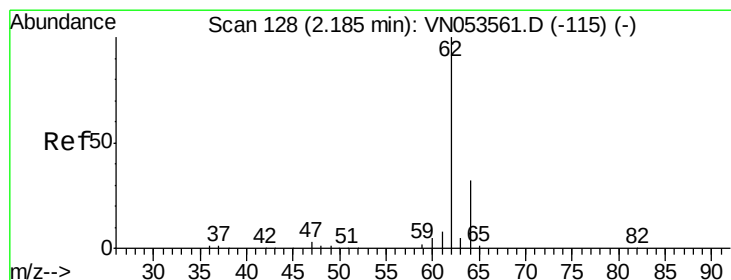
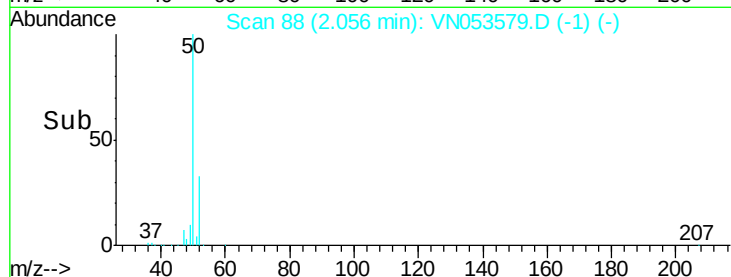
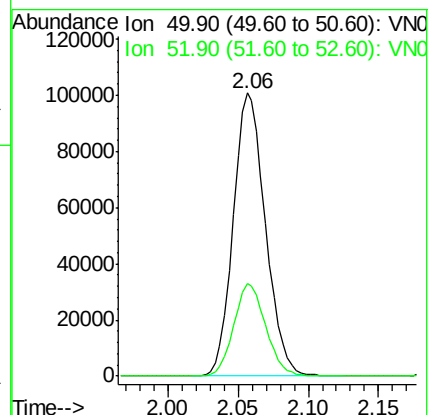
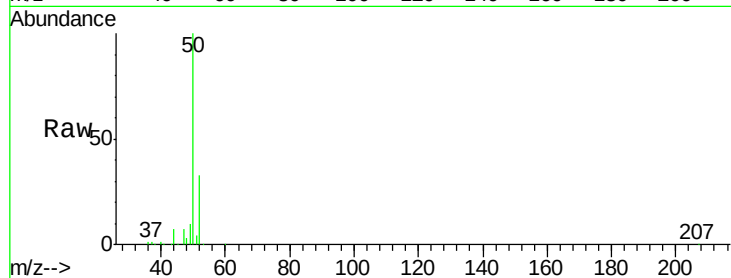
VN0201WBSD01

Tot Ion: 50 Resp: 160698

Ion Ratio Lower Upper

50 100

52 32.5 26.6 40.0



#4

Vinyl Chloride

Concen: 20.680 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053579.D

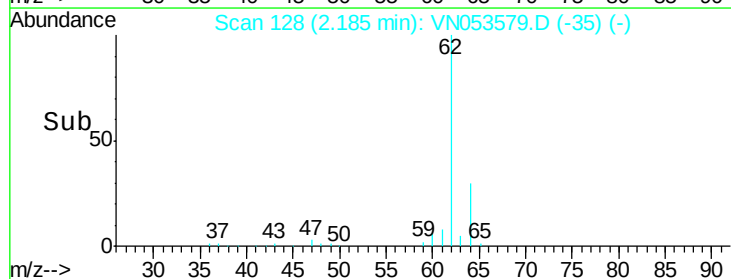
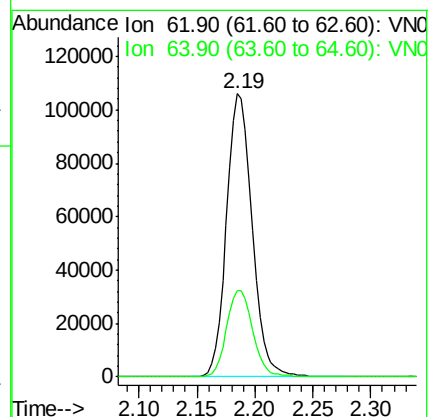
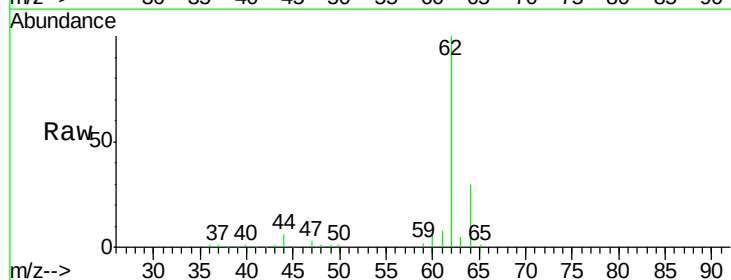
Acq: 1 Feb 2019 16:28

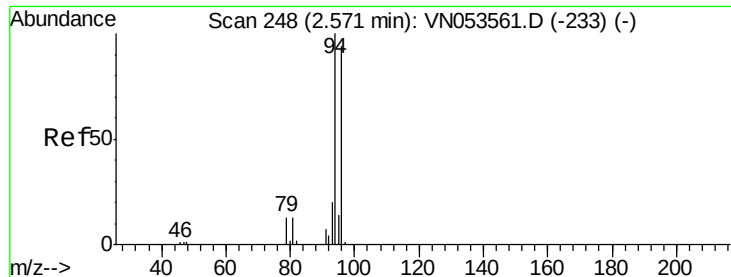
Tgt Ion: 62 Resp: 162131

Ion Ratio Lower Upper

62 100

64 30.3 25.4 38.2





#5

Bromomethane

Concen: 20.441 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

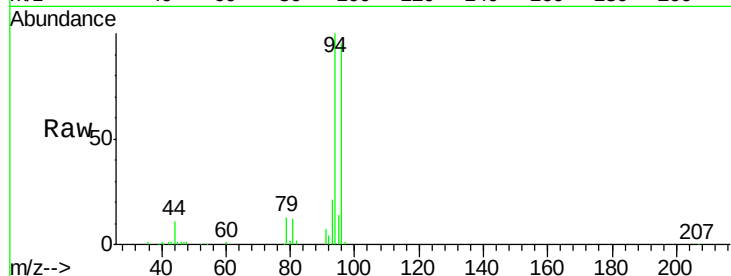
VN0201WBSD01

Tot Ion: 94 Resp: 104783

Ion Ratio Lower Upper

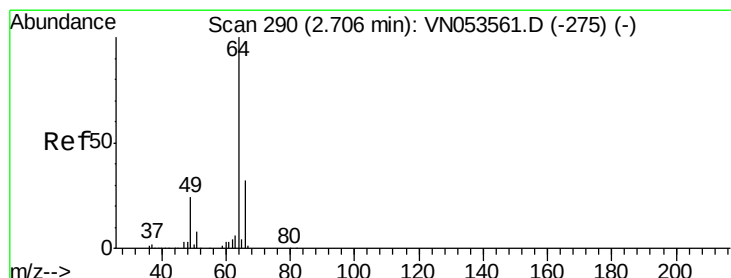
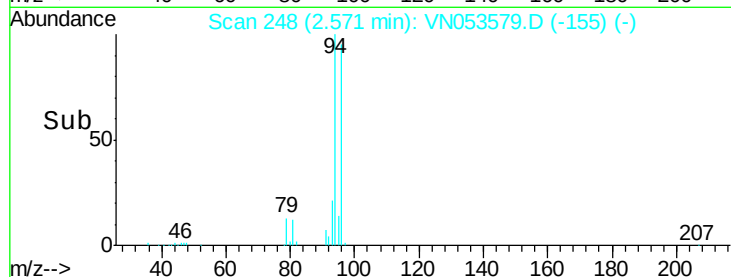
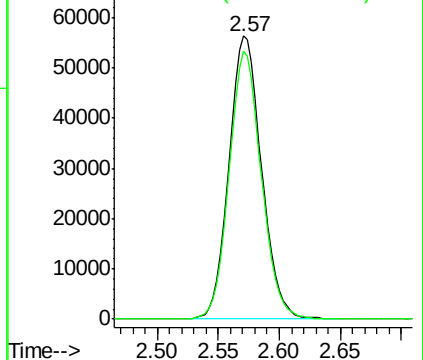
94 100

96 94.6 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.948 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053579.D

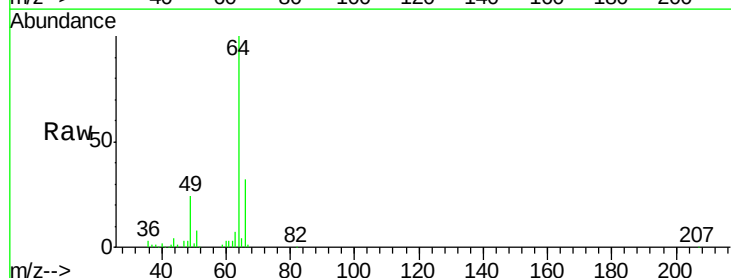
Acq: 1 Feb 2019 16:28

Tgt Ion: 64 Resp: 89373

Ion Ratio Lower Upper

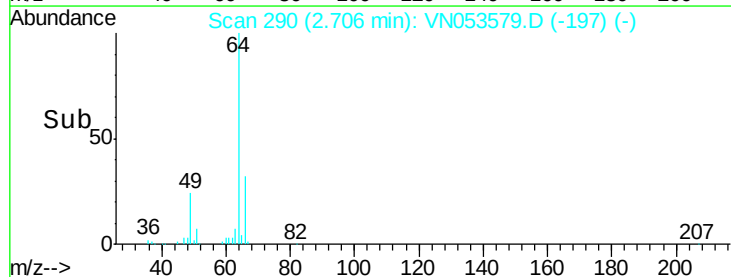
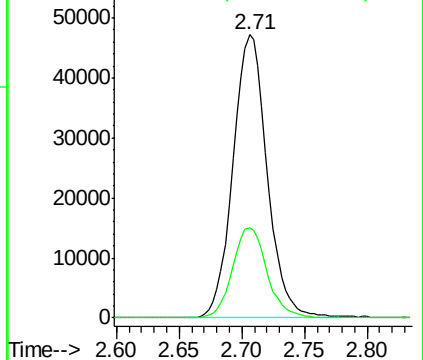
64 100

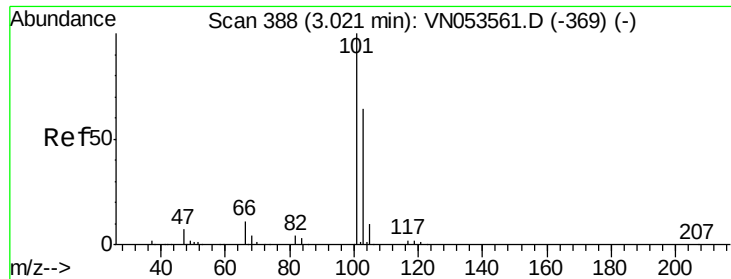
66 31.9 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



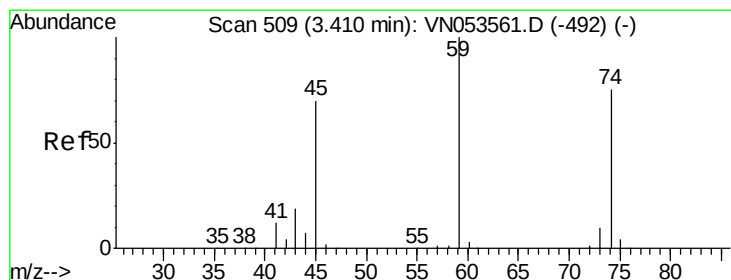
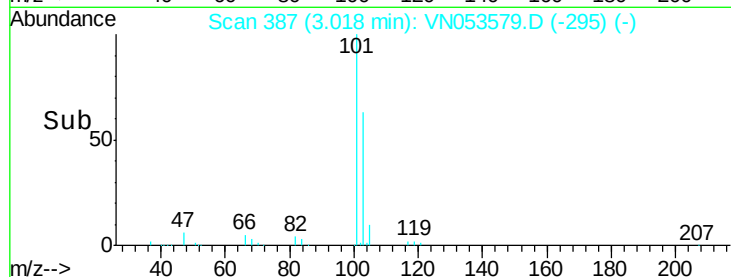
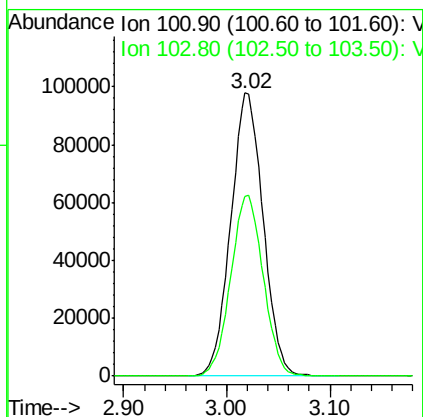
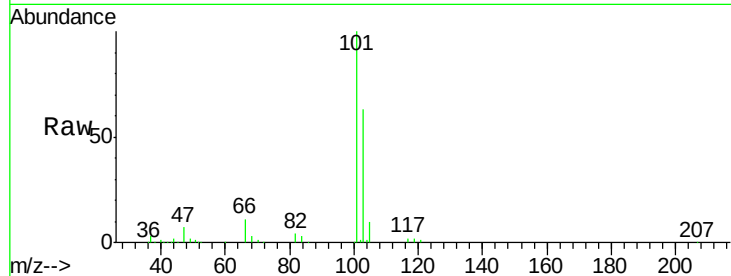


#7

Trichlorofluoromethane
 Concen: 20.130 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Instrument :
 MSVOA_N
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 VN0201WBSD01

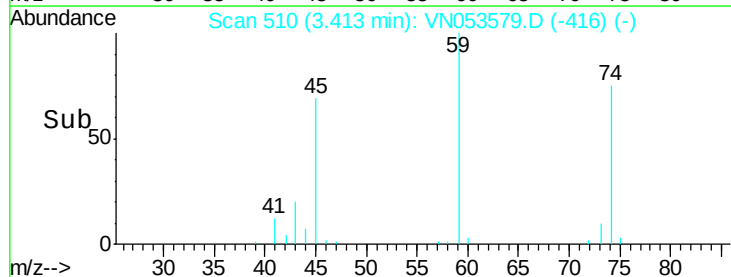
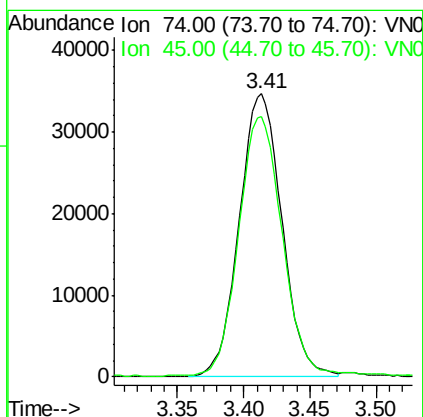
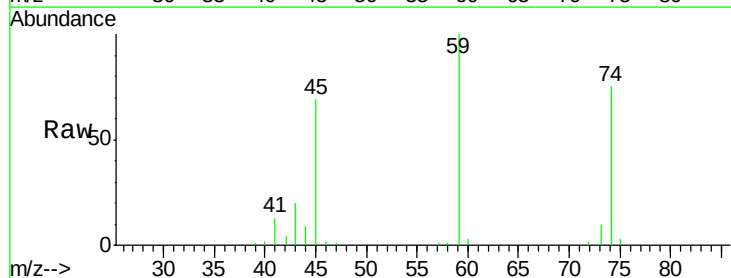
Tot Ion:101 Resp: 214019
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.6 77.4

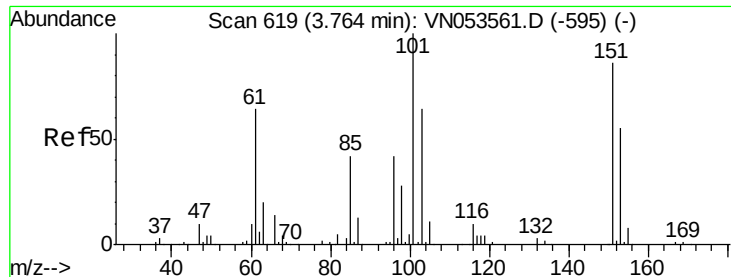


#8

Diethyl Ether
 Concen: 20.024 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 74 Resp: 77748
 Ion Ratio Lower Upper
 74 100
 45 95.1 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.402 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

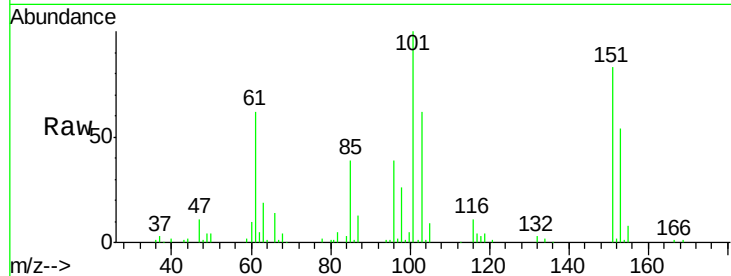
Tot Ion:101 Resp: 127574

Ion Ratio Lower Upper

101 100

85 40.5 32.8 49.2

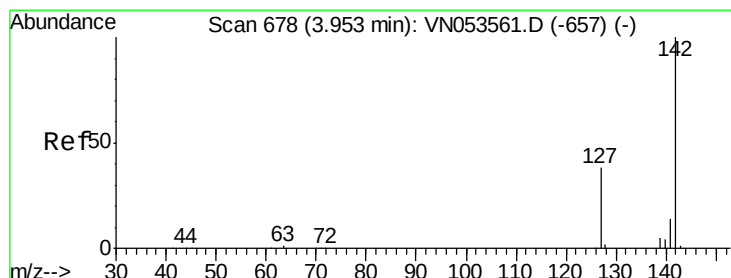
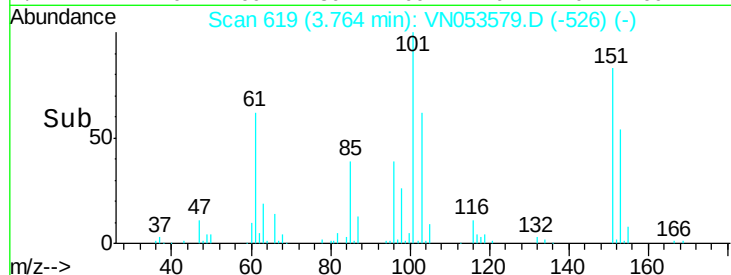
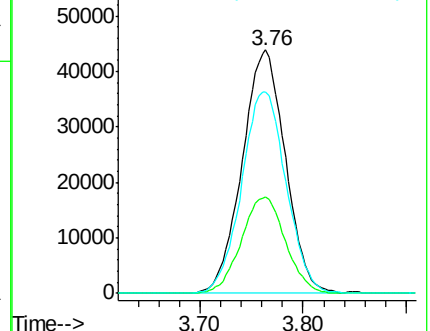
151 85.5 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.135 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

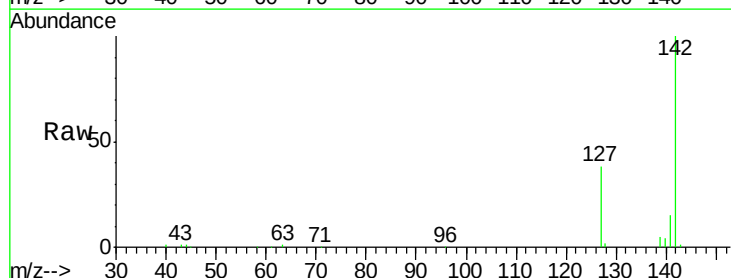
Tgt Ion:142 Resp: 197482

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

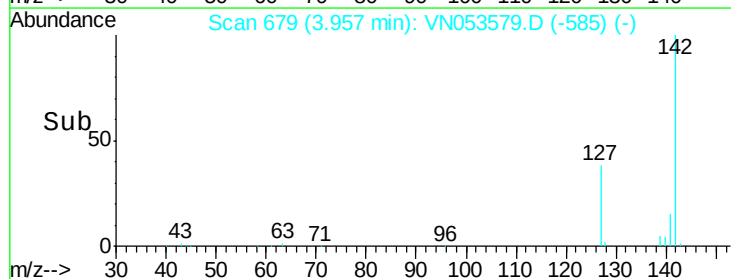
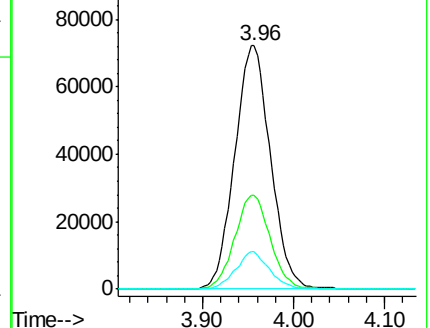
141 14.3 11.1 16.7

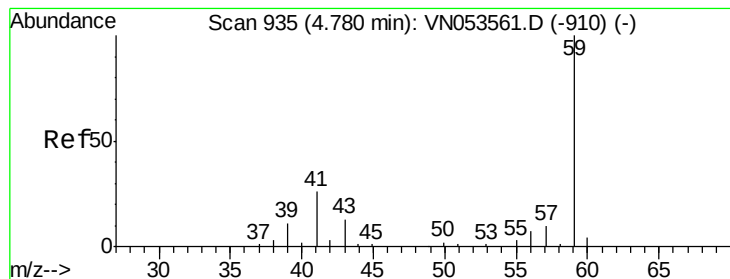


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



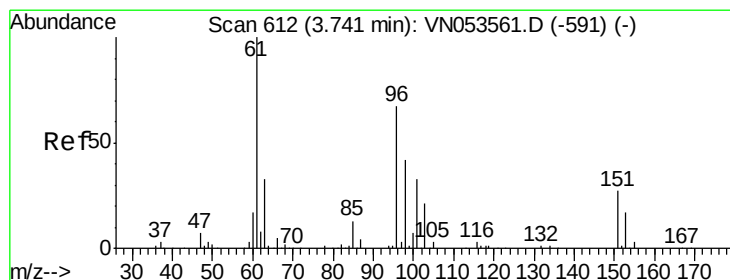
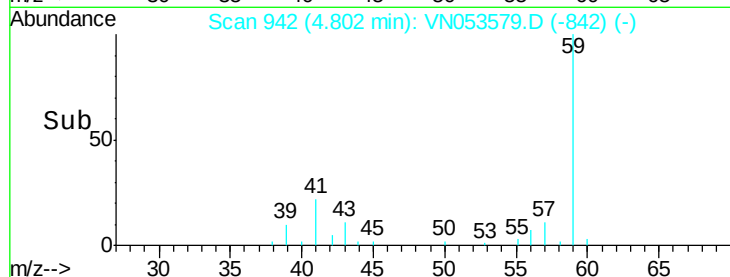
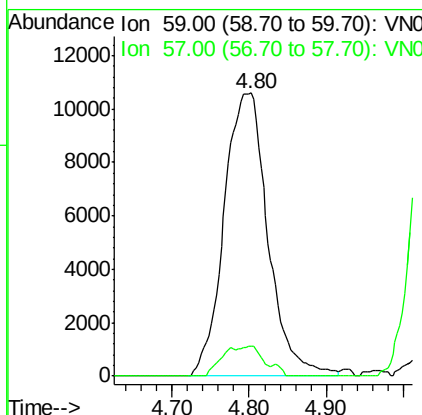
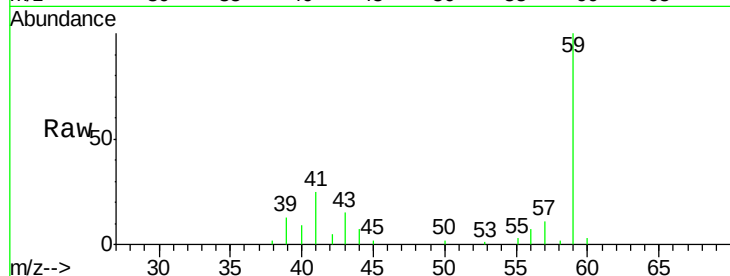


#11

Tert butyl alcohol
Concen: 103.271 ug/l
RT: 4.80 min Scan# 942
Delta R.T. 0.02 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

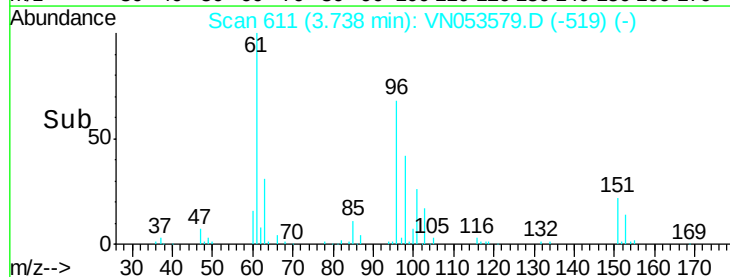
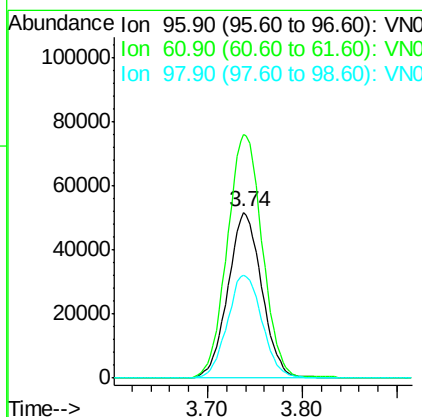
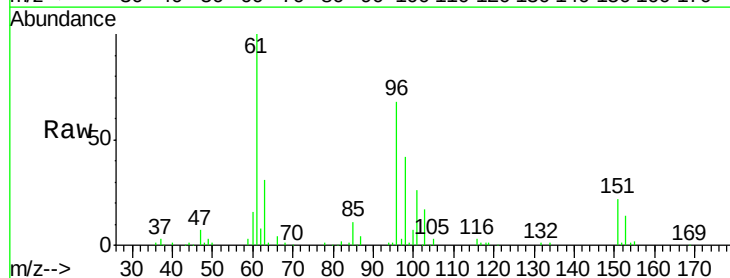
Tot Ion: 59 Resp: 41711
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

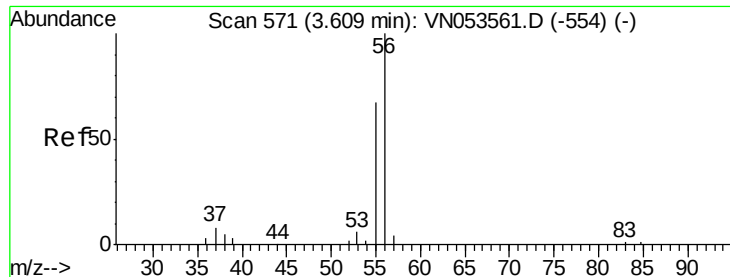


#12

1,1-Dichloroethene
Concen: 20.406 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 96 Resp: 128549
Ion Ratio Lower Upper
96 100
61 146.6 122.9 184.3
98 62.2 49.4 74.0





#13

Acrolein

Concen: 61.426 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

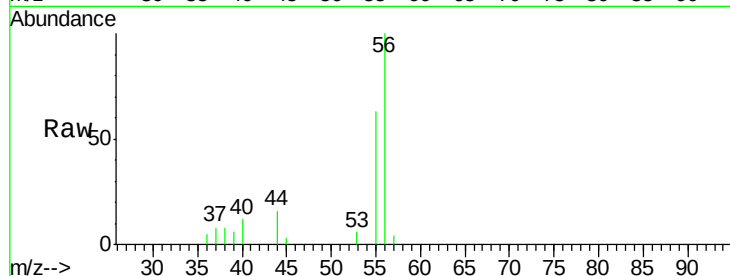
VN0201WBSD01

Tot Ion: 56 Resp: 13508

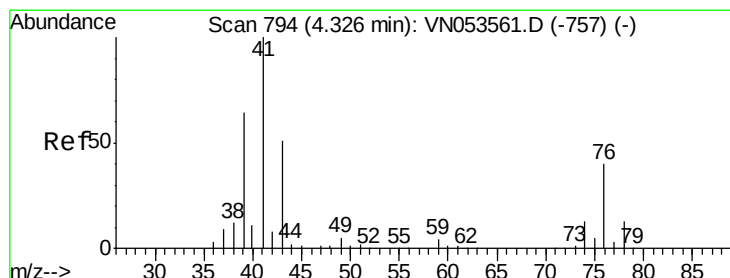
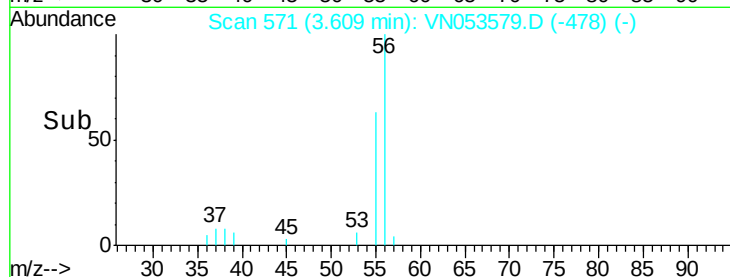
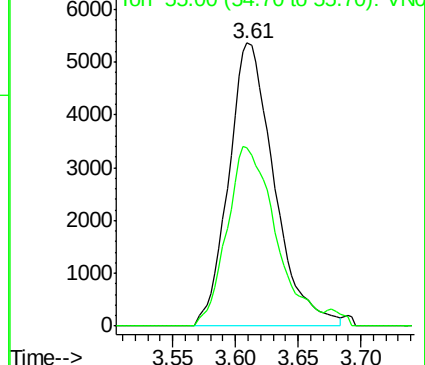
Ion Ratio Lower Upper

56 100

55 67.9 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN053561.D (-554) (-)



#14

Allyl chloride

Concen: 20.007 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

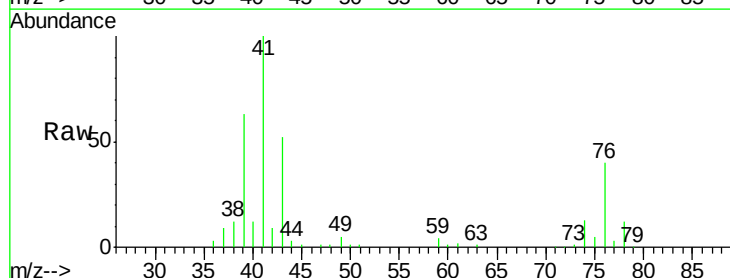
Tgt Ion: 41 Resp: 200677

Ion Ratio Lower Upper

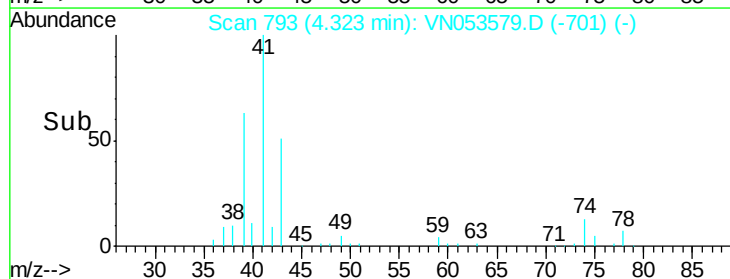
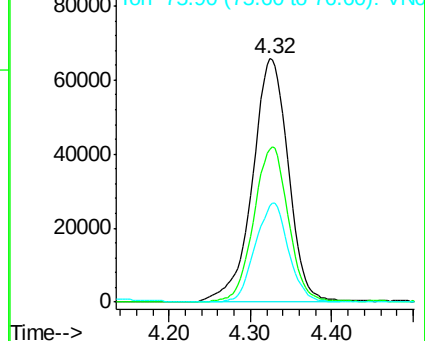
41 100

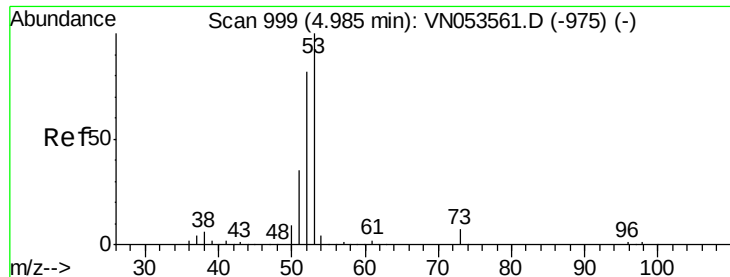
39 61.8 48.9 73.3

76 37.8 29.4 44.2



Abundance Ion 41.00 (40.70 to 41.70): VN053561.D (-757) (-)





#15

Acrylonitrile

Concen: 105.542 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

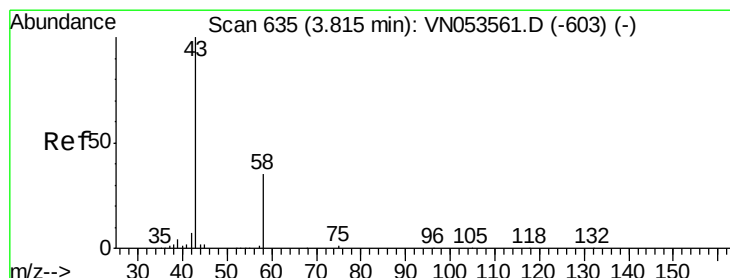
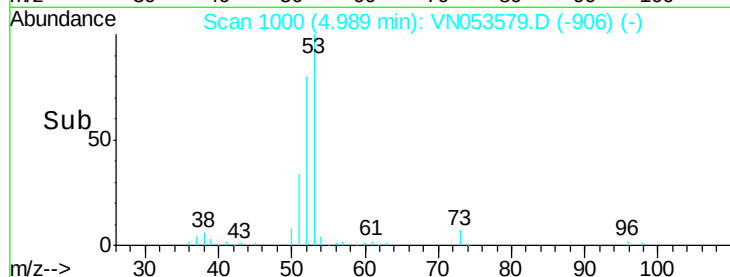
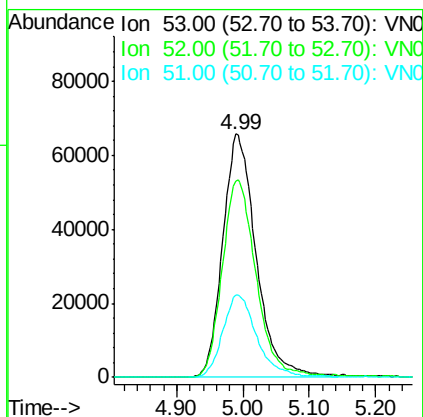
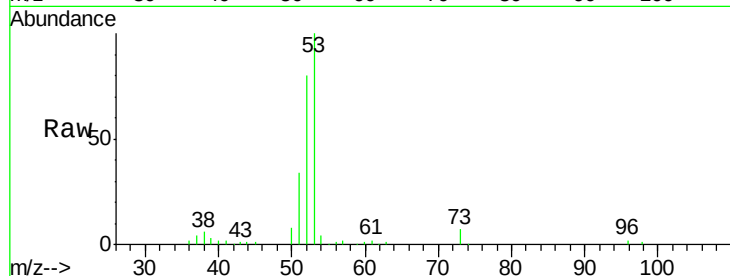
Tot Ion: 53 Resp: 230129

Ion Ratio Lower Upper

53 100

52 81.9 66.0 99.0

51 34.5 28.3 42.5



#16

Acetone

Concen: 93.894 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053579.D

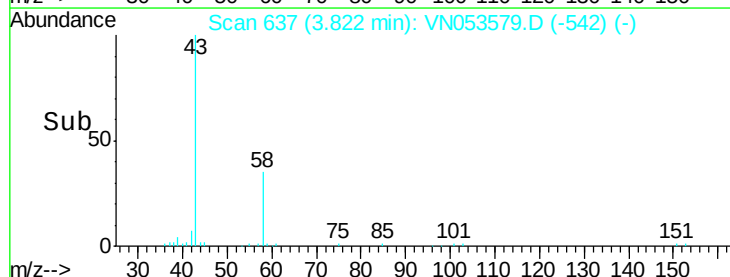
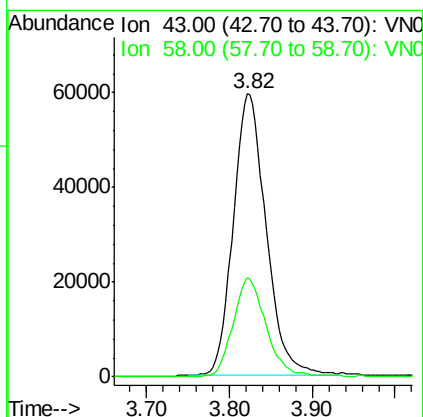
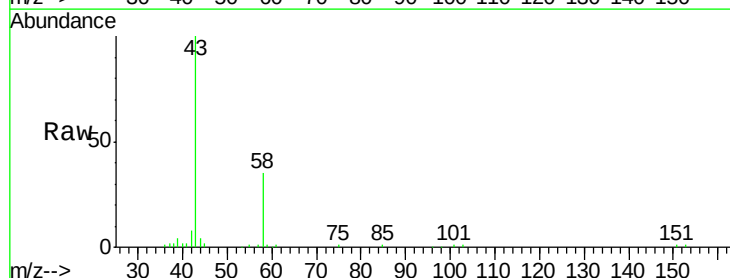
Acq: 1 Feb 2019 16:28

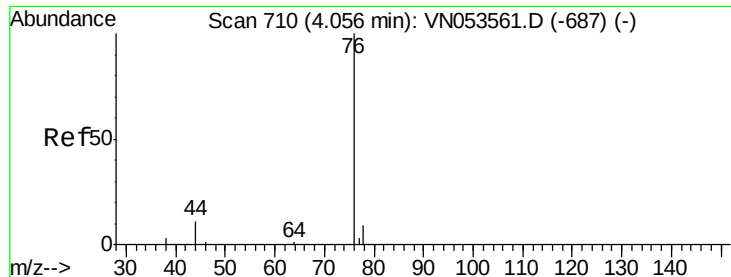
Tgt Ion: 43 Resp: 164365

Ion Ratio Lower Upper

43 100

58 35.1 27.1 40.7

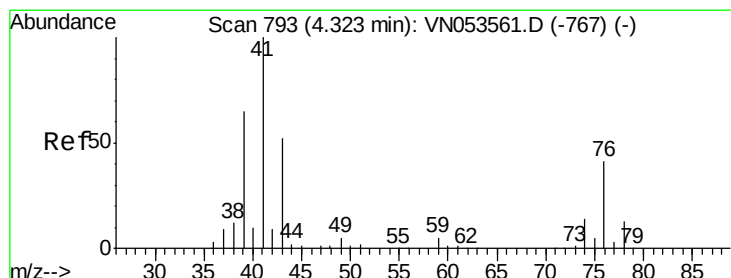
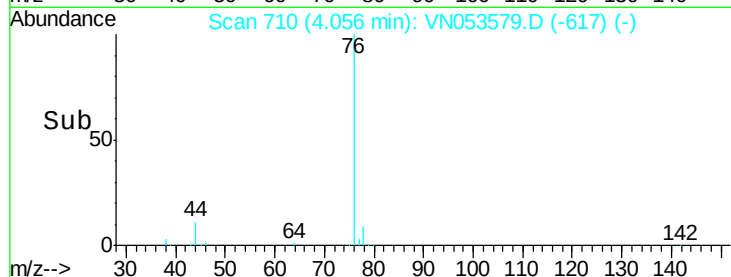
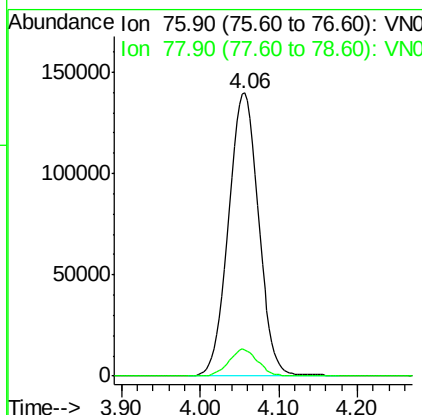
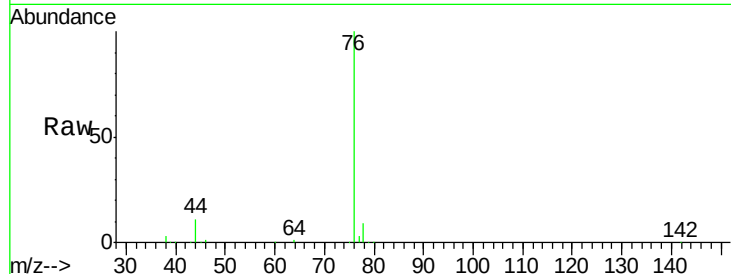




#17
Carbon Disulfide
Concen: 18.979 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

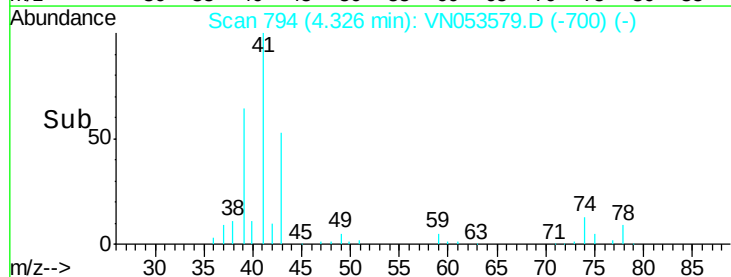
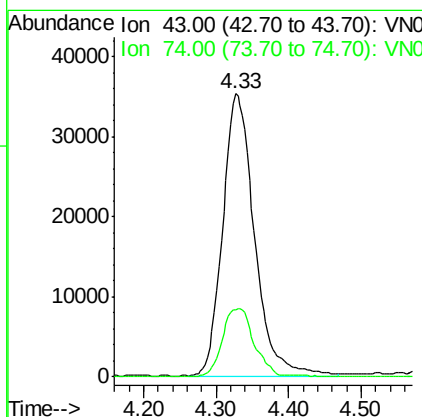
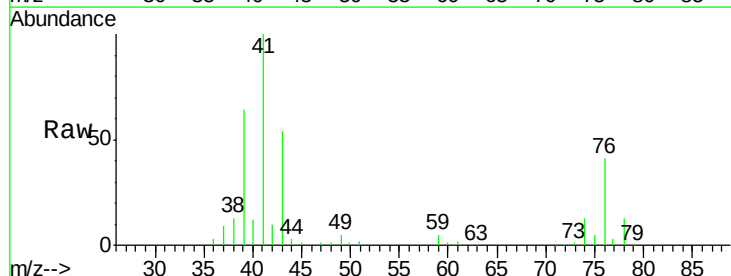
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

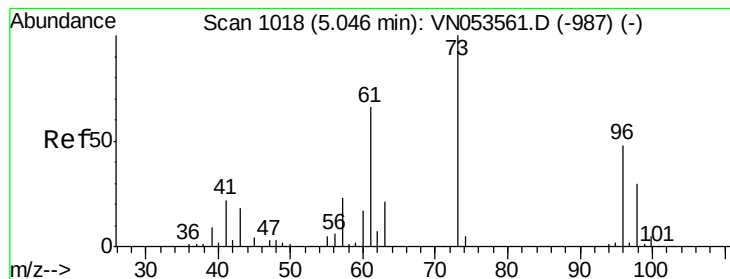
Tot Ion: 76 Resp: 372297
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#18
Methyl Acetate
Concen: 20.962 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 43 Resp: 108672
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.2





#19

Methyl tert-butyl Ether

Concen: 20.630 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleID :

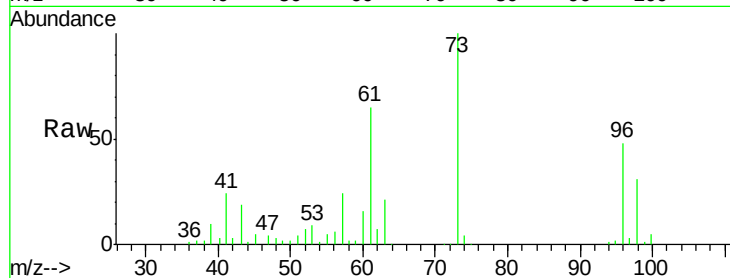
VN0201WBSD01

Tot Ion: 73 Resp: 329467

Ion Ratio Lower Upper

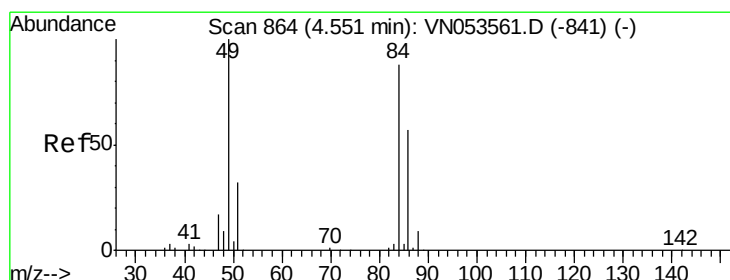
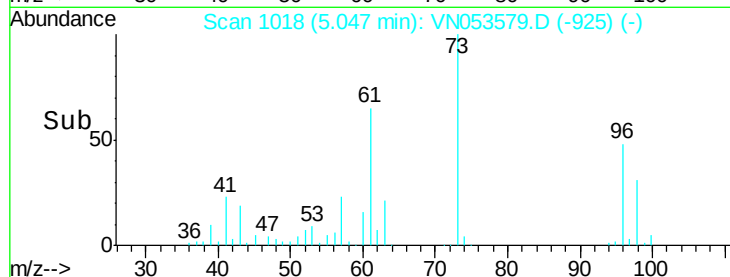
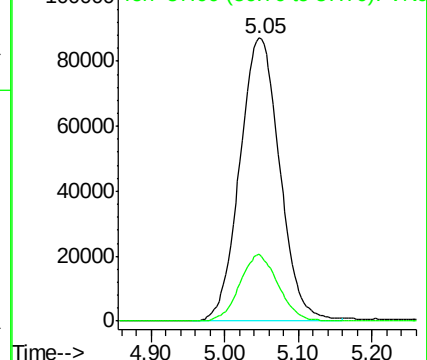
73 100

57 23.5 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.350 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Tgt Ion: 84 Resp: 142109

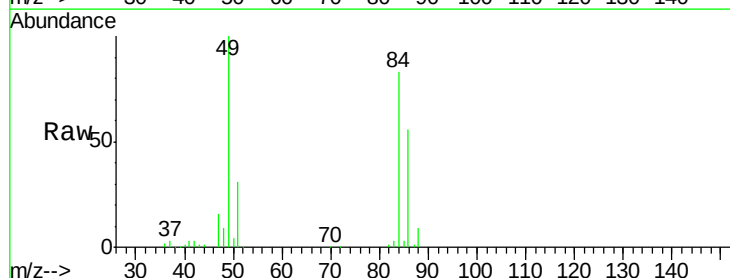
Ion Ratio Lower Upper

84 100

49 120.4 94.3 141.5

51 37.7 29.4 44.2

86 67.3 51.4 77.0

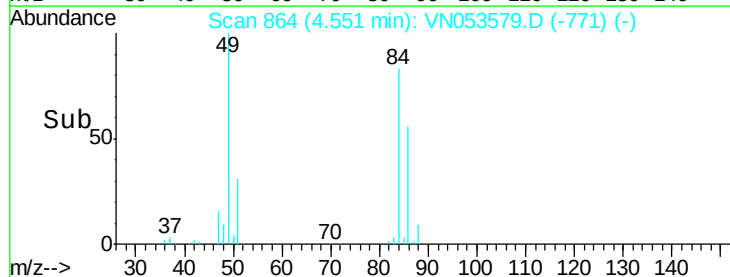
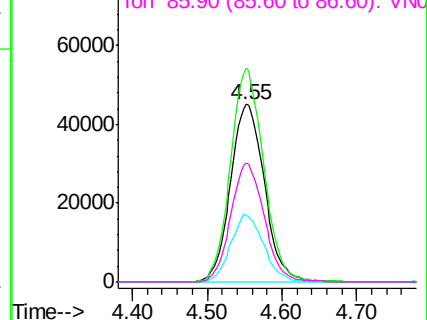


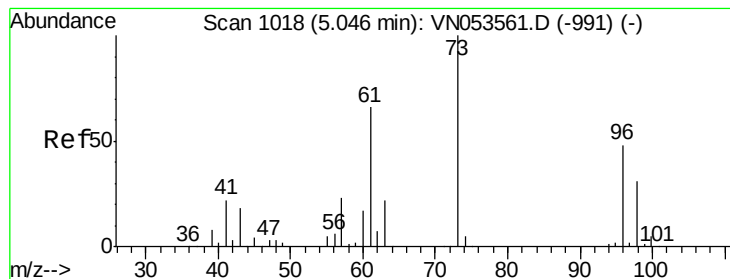
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 19.567 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

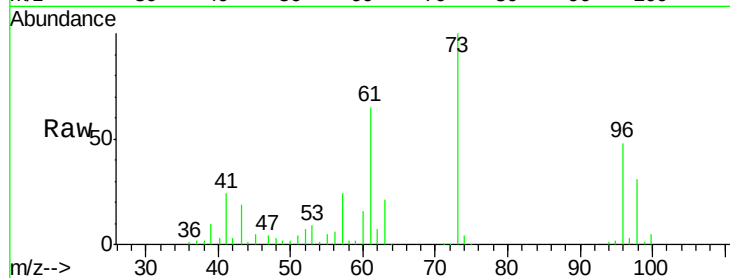
Tot Ion: 96 Resp: 132986

Ion Ratio Lower Upper

96 100

61 135.8 110.1 165.1

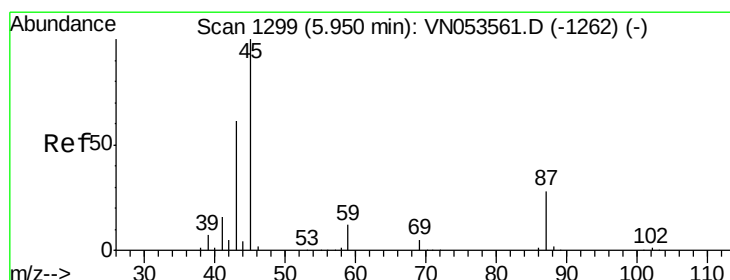
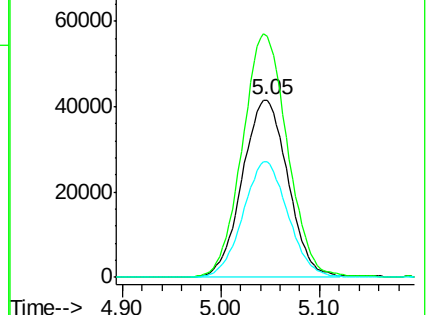
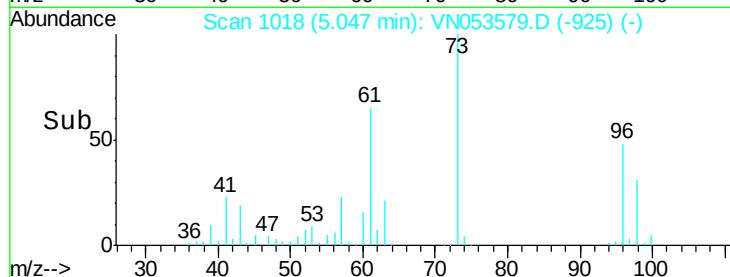
98 65.5 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.331 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Tgt Ion: 45 Resp: 377855

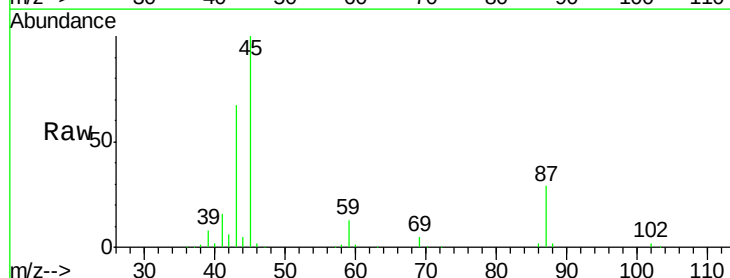
Ion Ratio Lower Upper

45 100

43 63.6 44.2 66.4

87 28.6 22.7 34.1

59 12.2 9.4 14.2

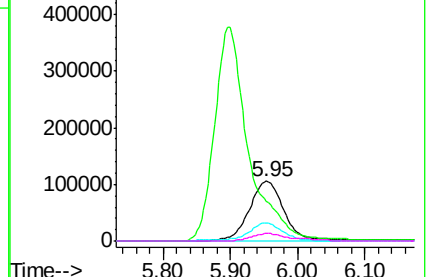
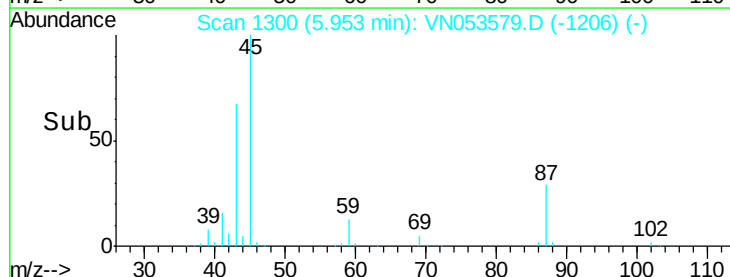


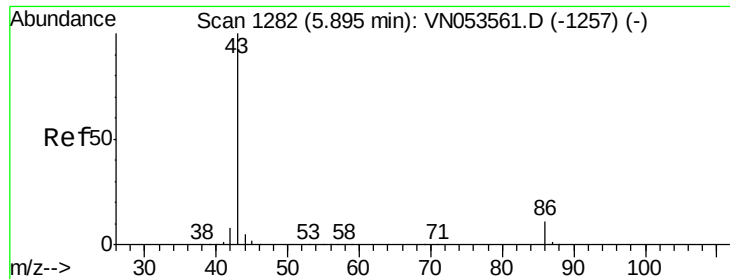
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 104.021 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

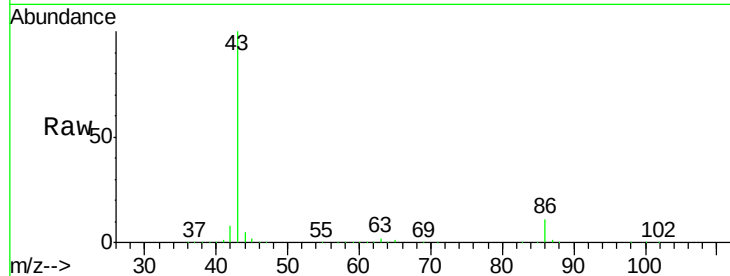
VN0201WBSD01

Tot Ion: 43 Resp: 1337421

Ion Ratio Lower Upper

43 100

86 11.0 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN053561.D (-1257) (-)

5.90

400000

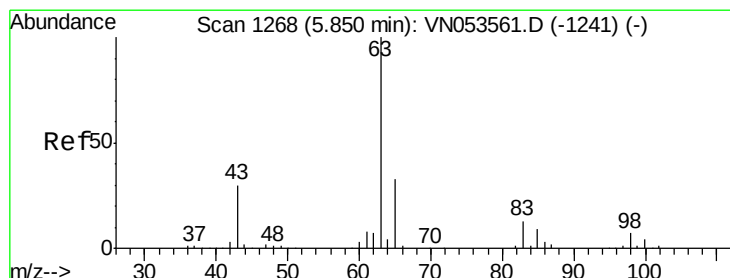
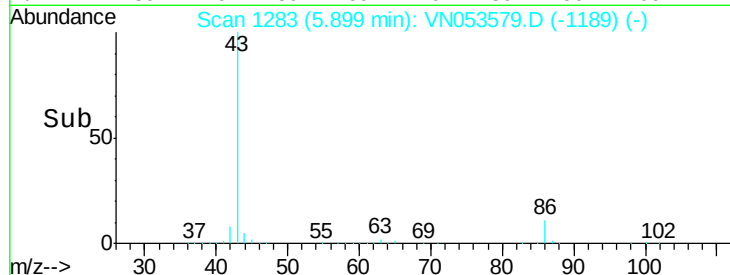
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.252 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

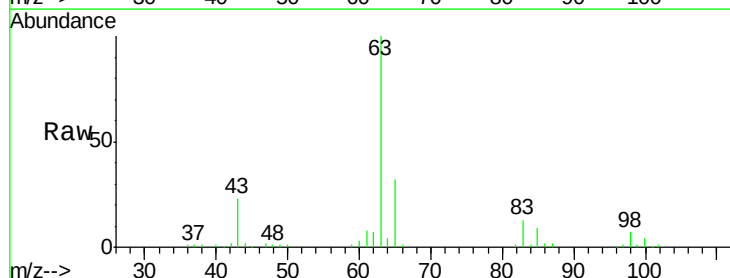
Tgt Ion: 63 Resp: 251045

Ion Ratio Lower Upper

63 100

98 7.2 3.3 9.9

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053561.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN053561.D (-1241) (-)

5.85

100000

80000

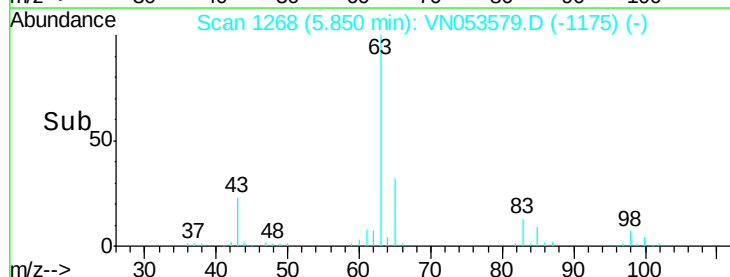
60000

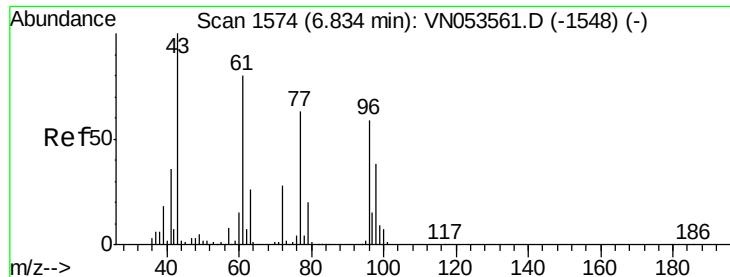
40000

20000

0

Time-->





#25

2-Butanone

Concen: 98.139 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

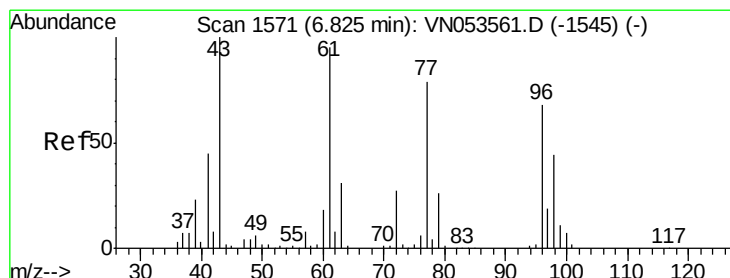
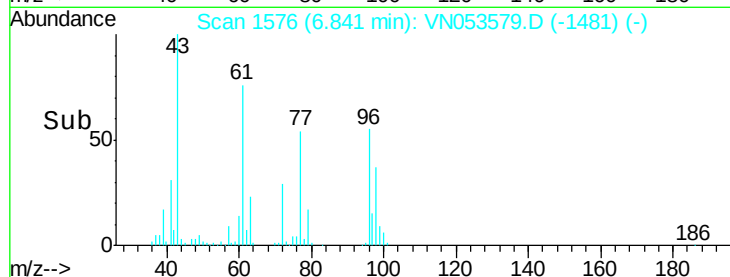
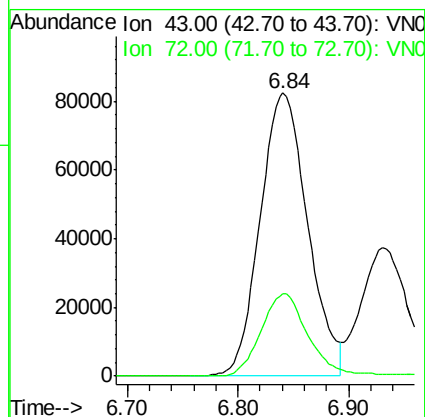
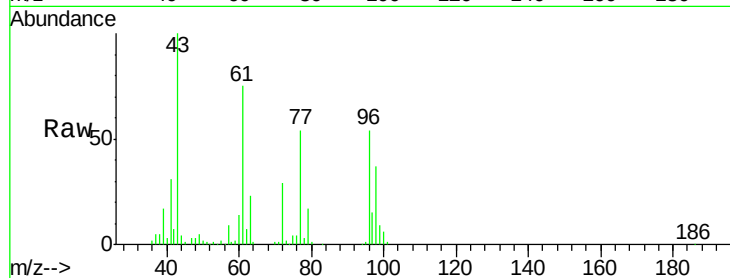
VN0201WBSD01

Tot Ion: 43 Resp: 245018

Ion Ratio Lower Upper

43 100

72 29.1 22.0 33.0



#26

2,2-Dichloropropane

Concen: 19.102 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053579.D

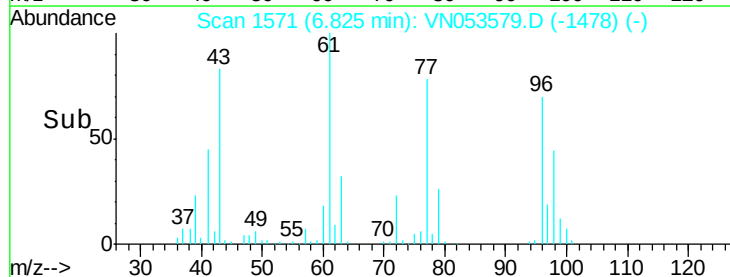
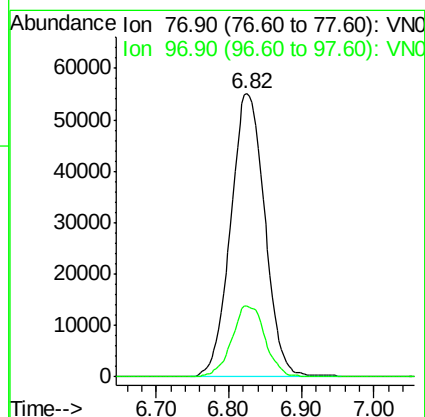
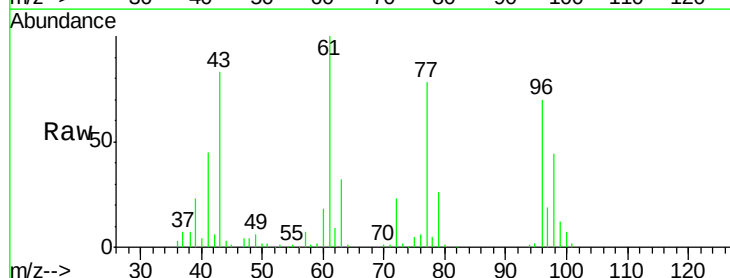
Acq: 1 Feb 2019 16:28

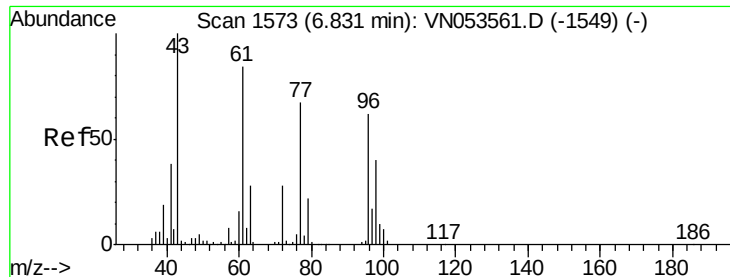
Tgt Ion: 77 Resp: 180760

Ion Ratio Lower Upper

77 100

97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.166 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

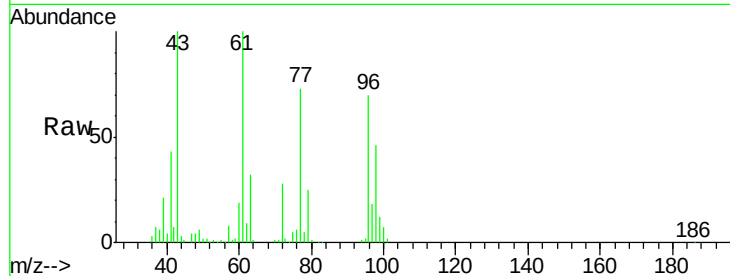
Tot Ion: 96 Resp: 152406

Ion Ratio Lower Upper

96 100

61 139.5 0.0 283.8

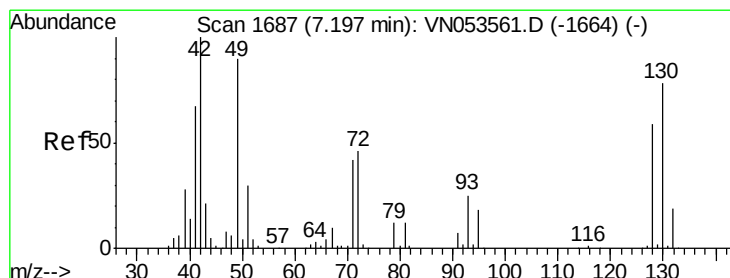
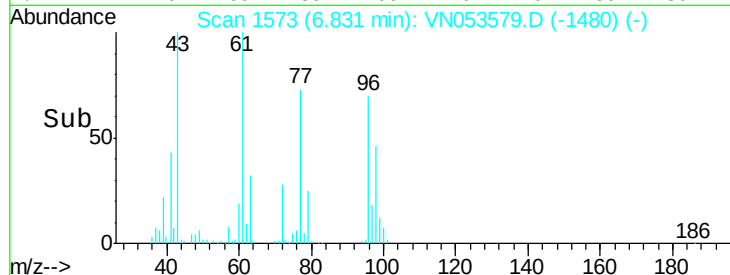
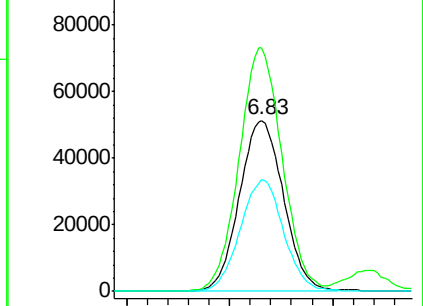
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.338 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

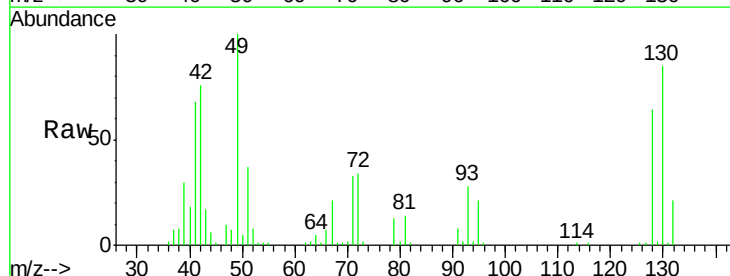
Tgt Ion: 49 Resp: 109407

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

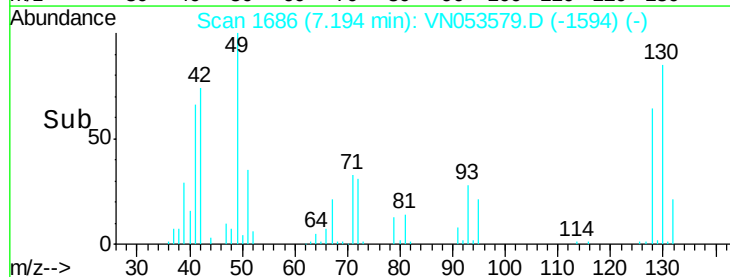
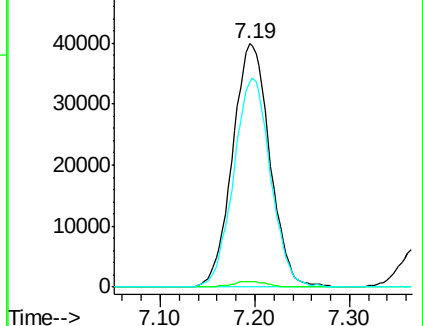
130 85.0 66.3 99.5

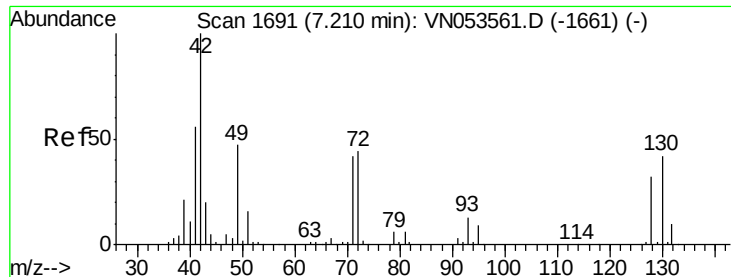


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

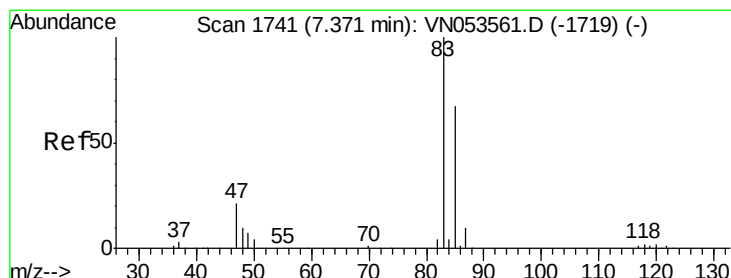
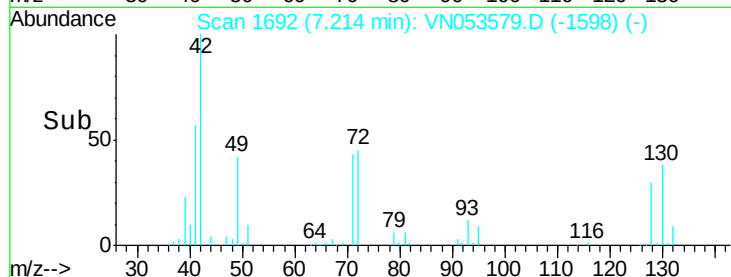
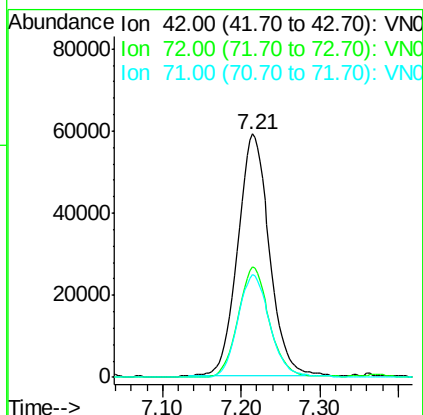
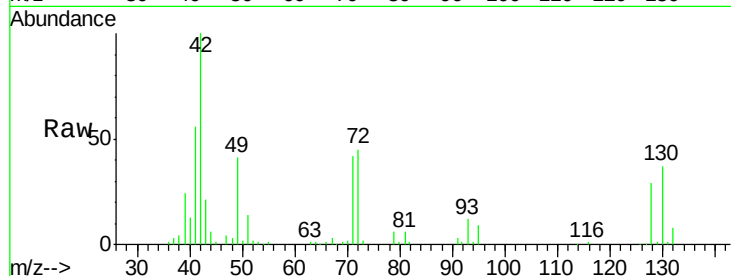




#29
Tetrahydrofuran
Concen: 104.366 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

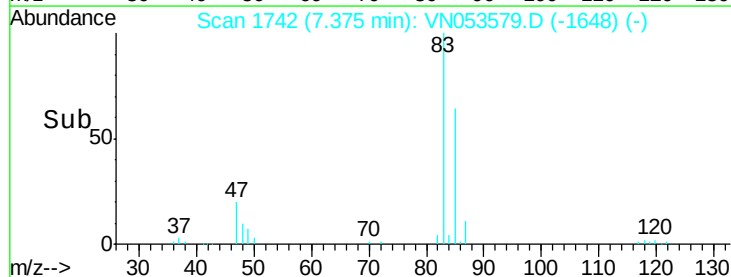
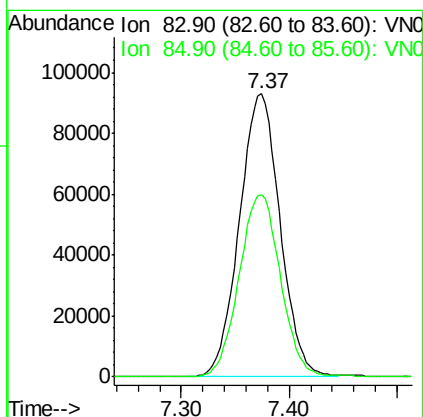
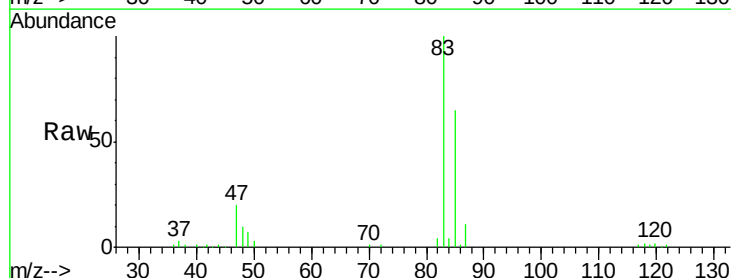
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

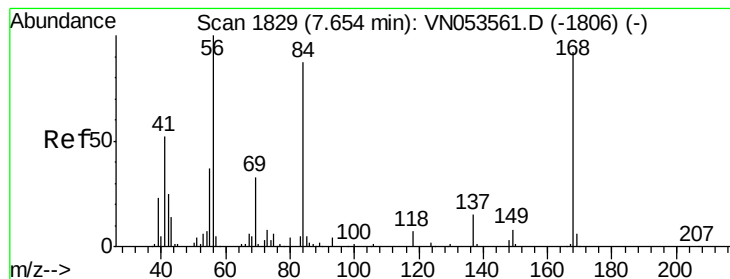
Tot Ion: 42 Resp: 167317
Ion Ratio Lower Upper
42 100
72 45.0 35.2 52.8
71 42.7 33.0 49.4



#30
Chloroform
Concen: 19.846 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 83 Resp: 243872
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.2





#31

Cyclohexane

Concen: 19.319 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

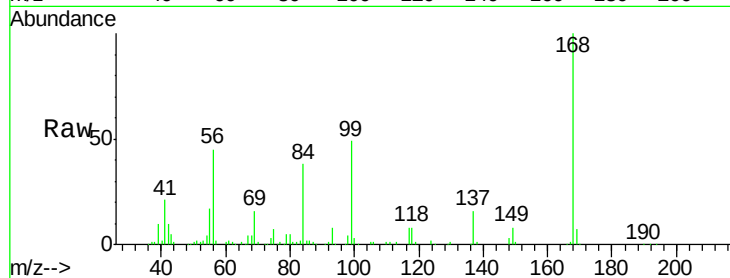
Tot Ion: 56 Resp: 224176

Ion Ratio Lower Upper

56 100

69 35.6 26.4 39.6

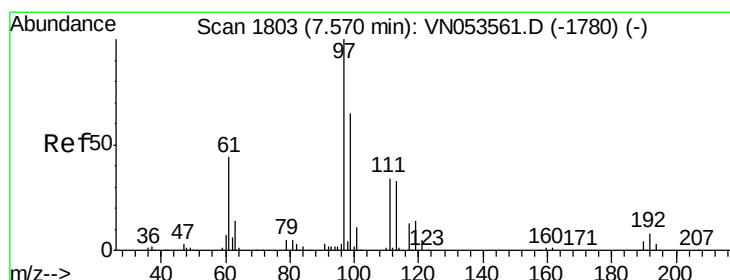
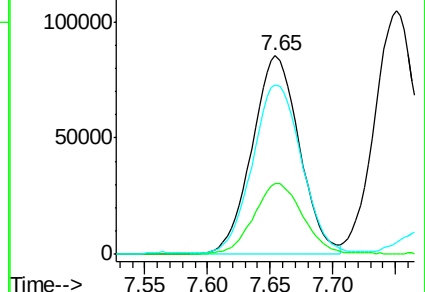
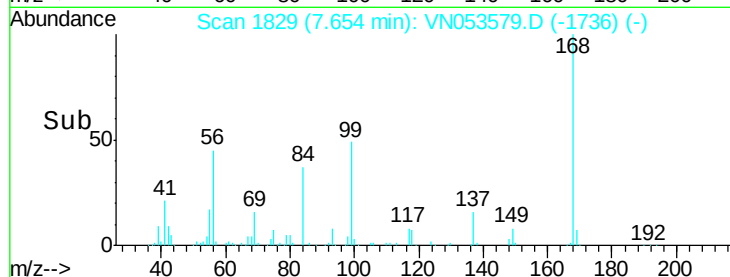
84 84.4 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.910 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

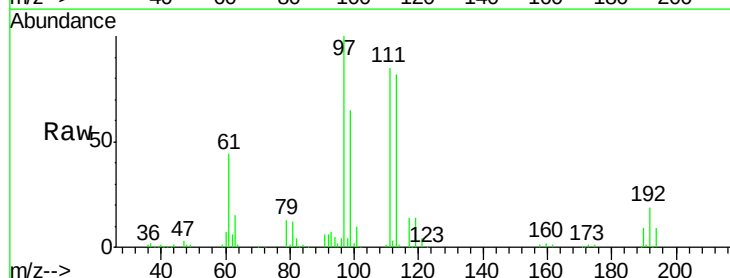
Tgt Ion: 97 Resp: 203607

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

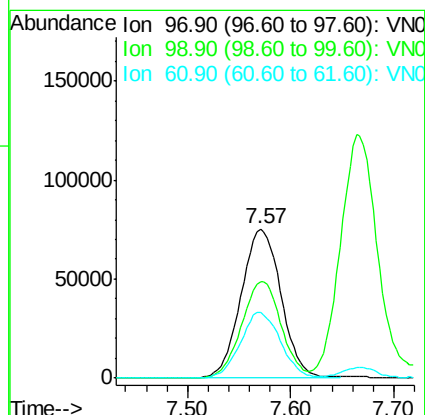
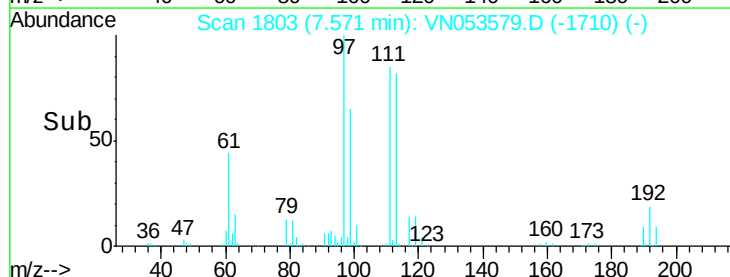
61 44.0 34.4 51.6

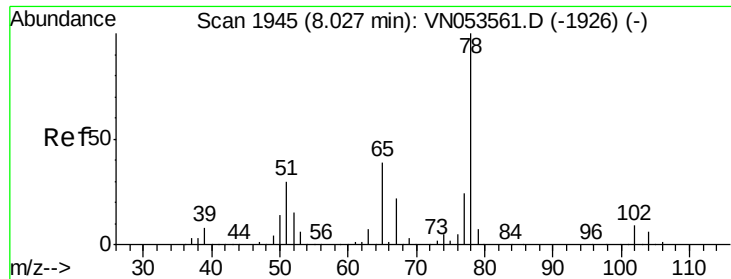


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

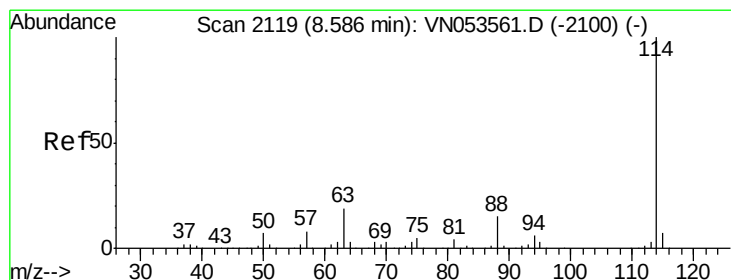
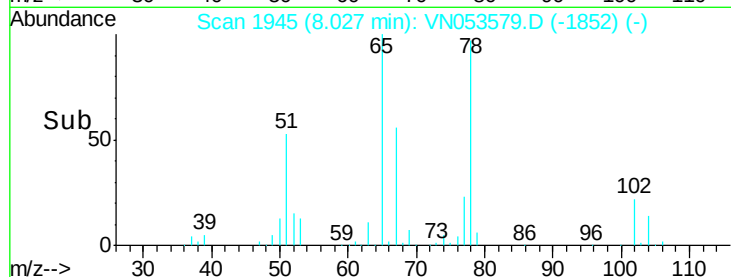
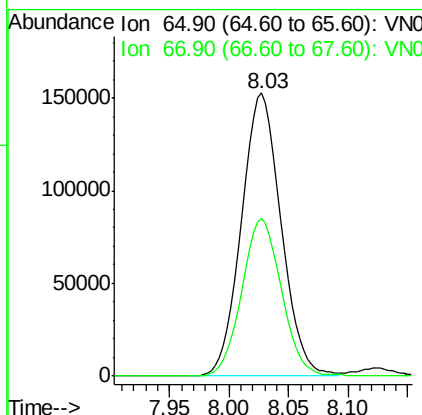
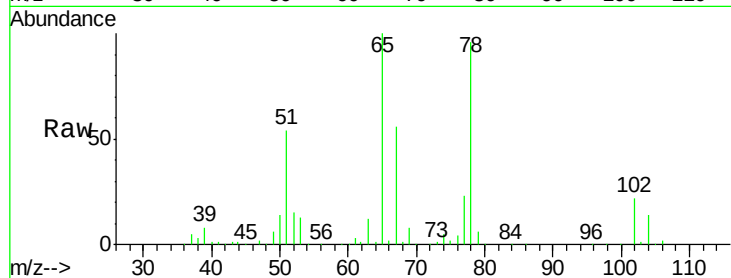




#33
 1,2-Dichloroethane-d4
 Concen: 19.910 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

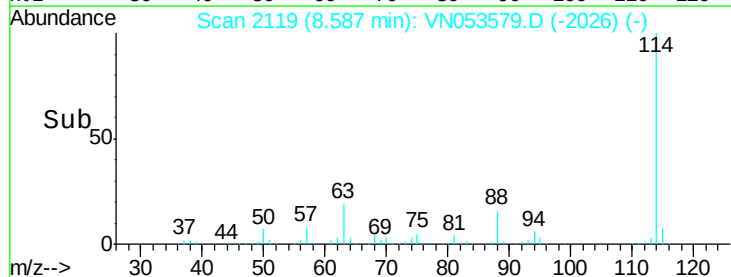
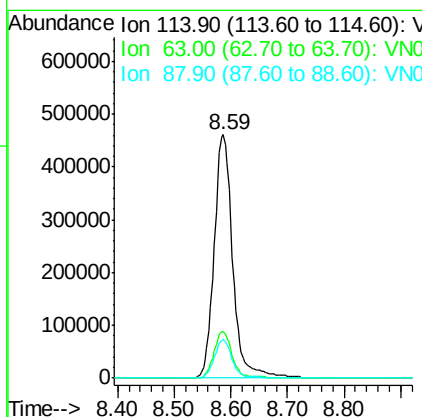
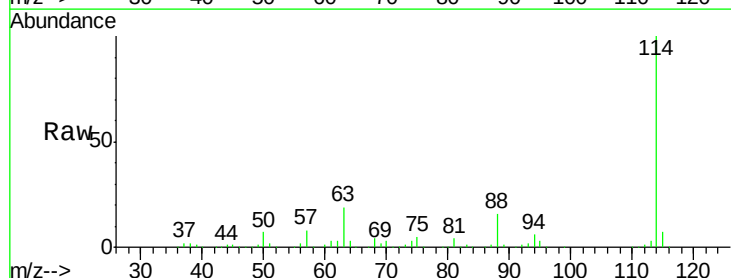
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

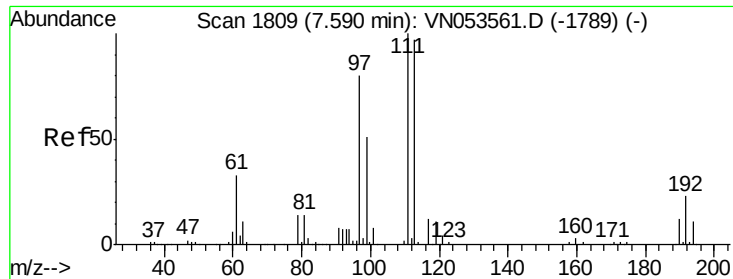
Tot Ion: 65 Resp: 353059
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 114 Resp: 1051092
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 38.6
 88 15.8 0.0 30.4

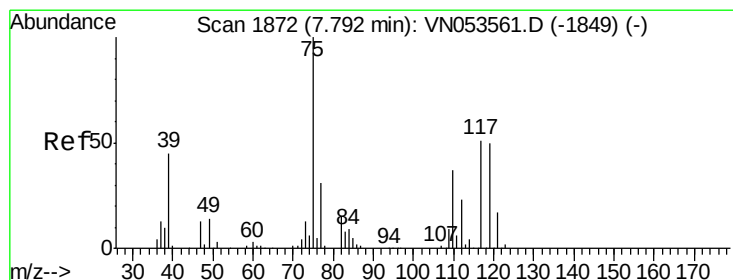
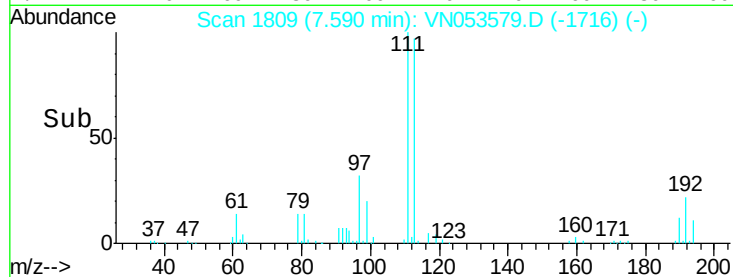
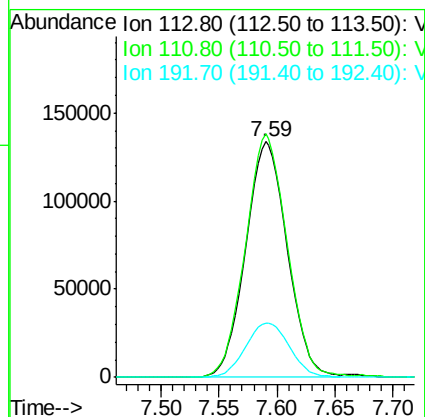
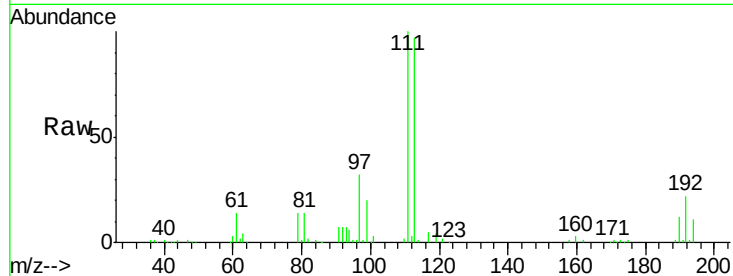




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

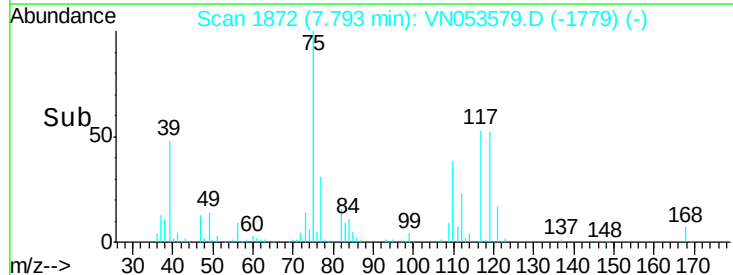
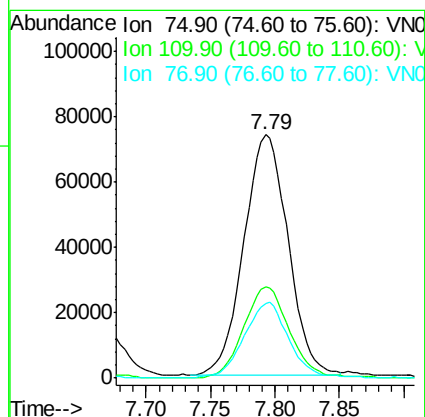
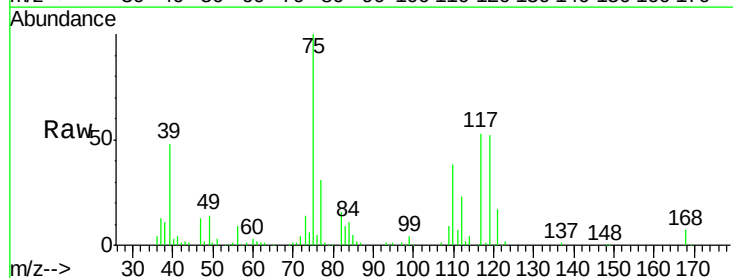
Instrument :
 MSVOA_N
 ClientSampled :
 VN0201WBSD01

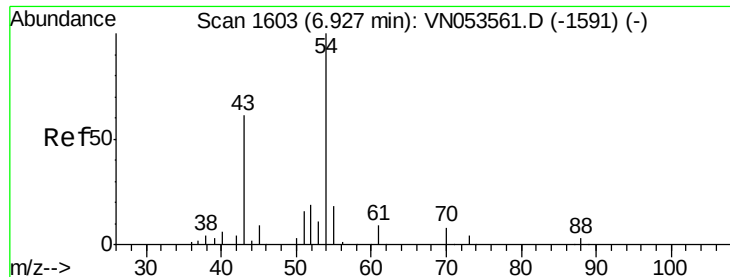
Tot Ion:113 Resp: 333970
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 24.4 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 18.509 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 75 Resp: 175373
 Ion Ratio Lower Upper
 75 100
 110 39.6 18.1 54.3
 77 32.3 25.1 37.7

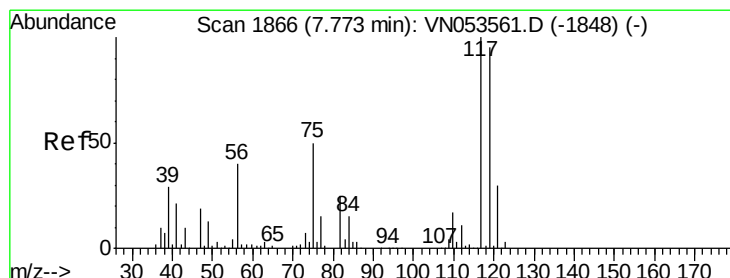
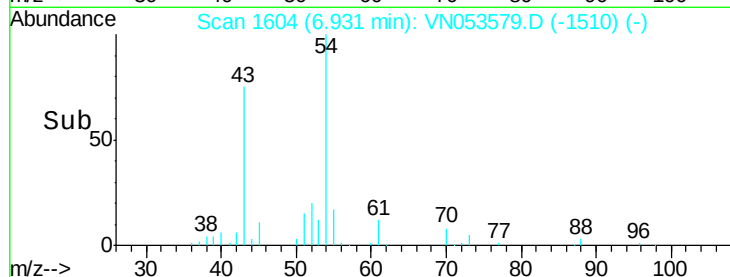
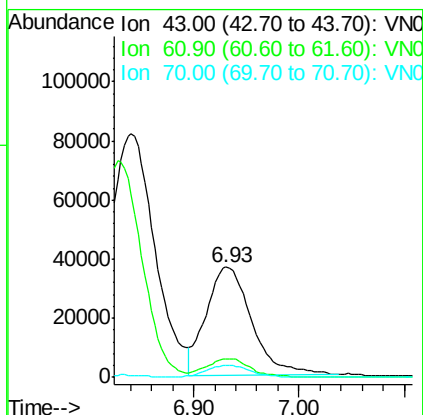
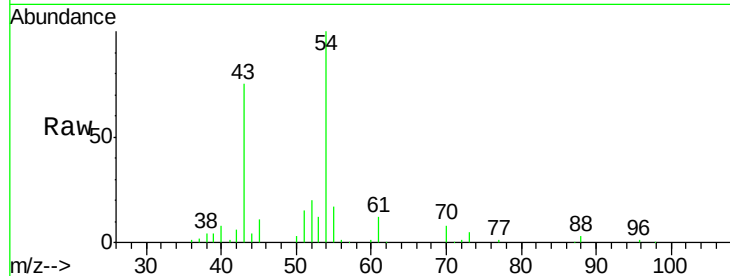




#37
Ethyl Acetate
Concen: 20.711 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

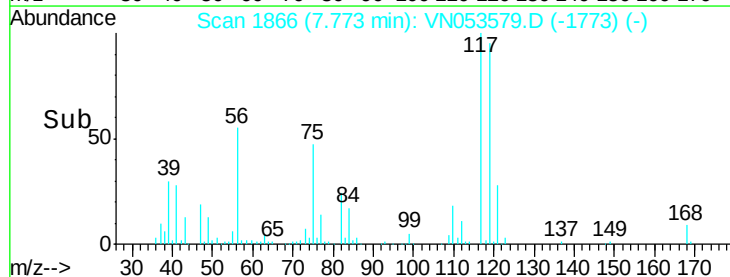
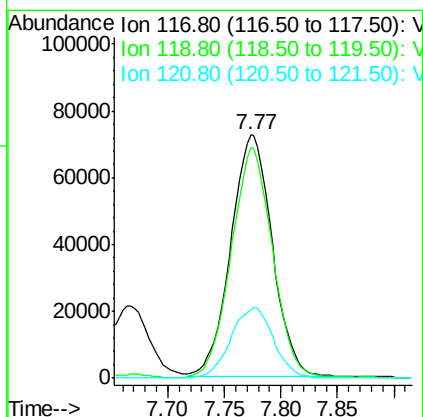
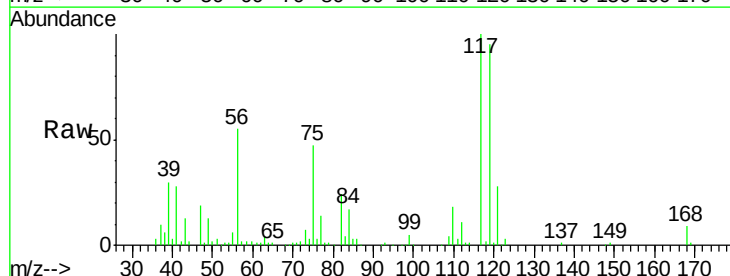
Instrument :
MSVOA_N
ClientSampled :
VN0201WBSD01

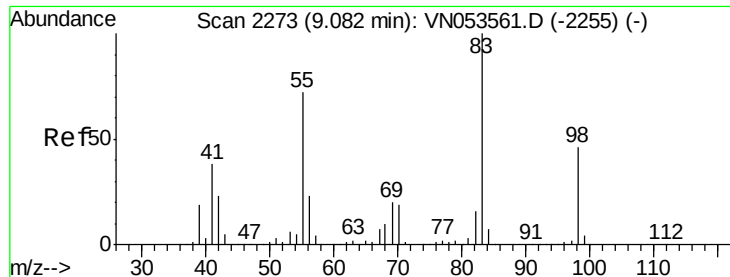
Tot Ion: 43 Resp: 109598
Ion Ratio Lower Upper
43 100
61 15.9 11.8 17.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 19.275 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 117 Resp: 183976
Ion Ratio Lower Upper
117 100
119 95.1 77.2 115.8
121 28.3 24.6 37.0

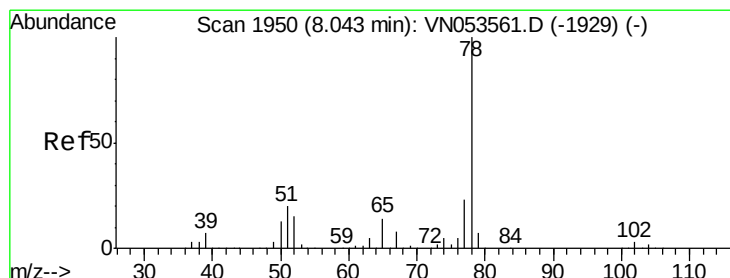
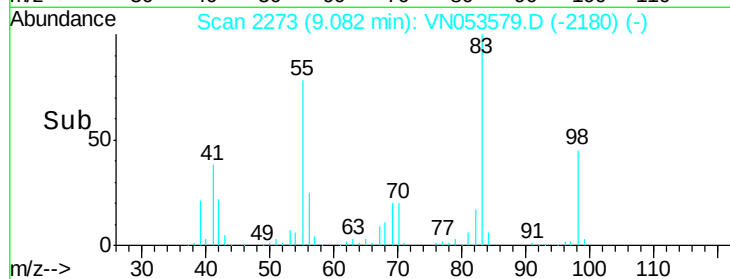
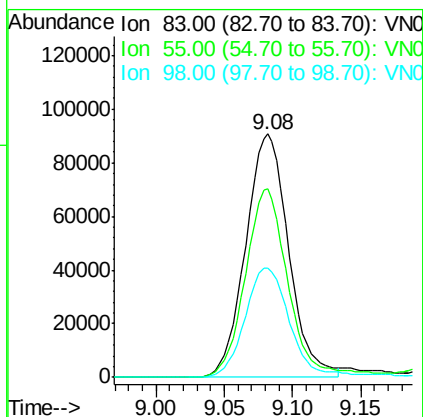
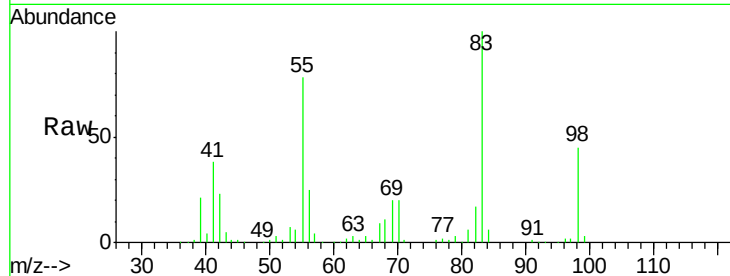




#39
Methylvlcyclohexane
Concen: 17.655 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

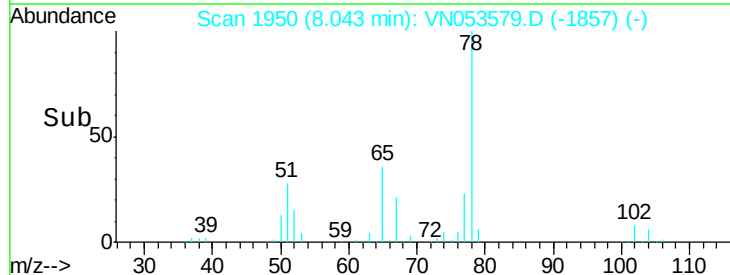
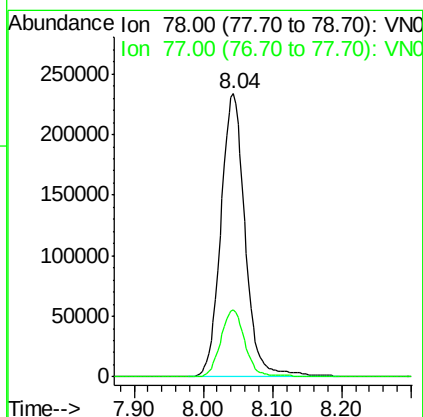
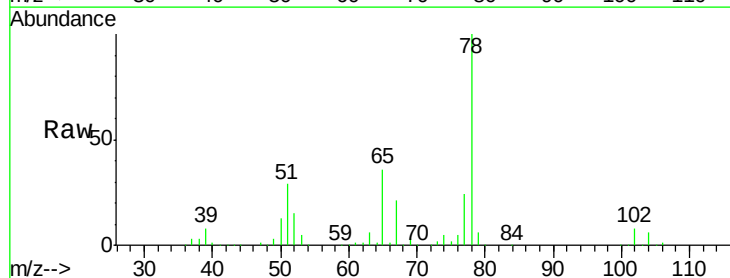
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

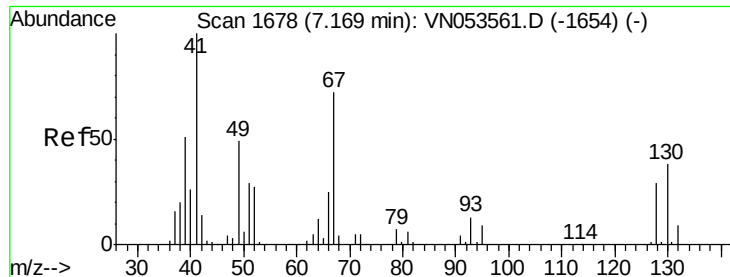
Tot Ion: 83 Resp: 198464
Ion Ratio Lower Upper
83 100
55 77.6 60.1 90.1
98 45.0 36.6 55.0



#40
Benzene
Concen: 19.590 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 78 Resp: 572382
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2





#41

Methacrylonitrile

Concen: 21.899 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

Tot Ion: 41 Resp: 64769

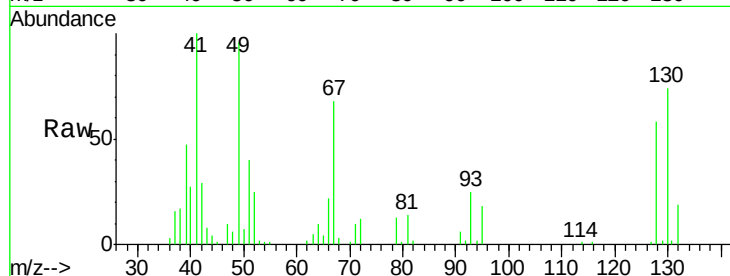
Ion Ratio Lower Upper

41 100

39 56.4 46.8 70.2

67 85.4 63.0 94.6

52 33.1 23.8 35.8



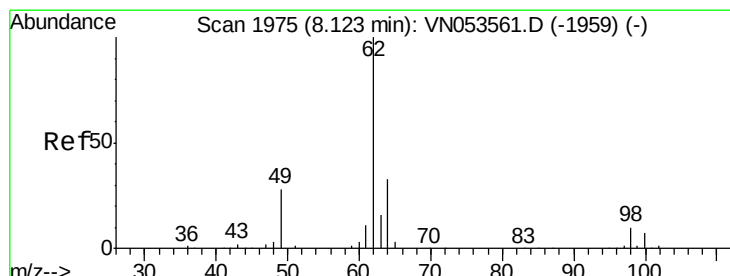
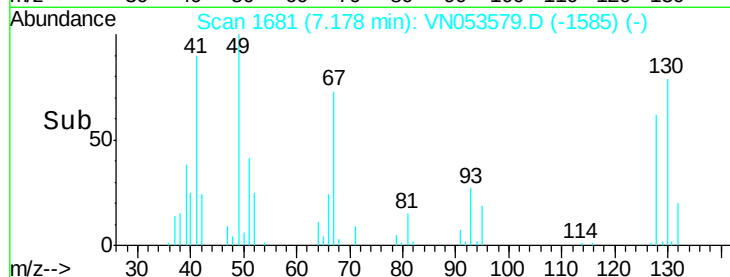
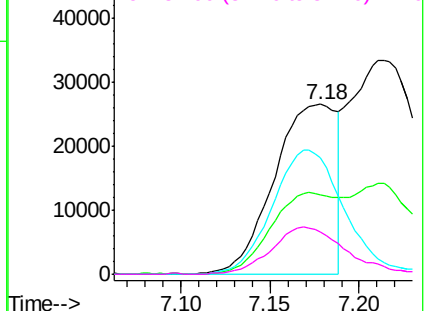
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.252 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053579.D

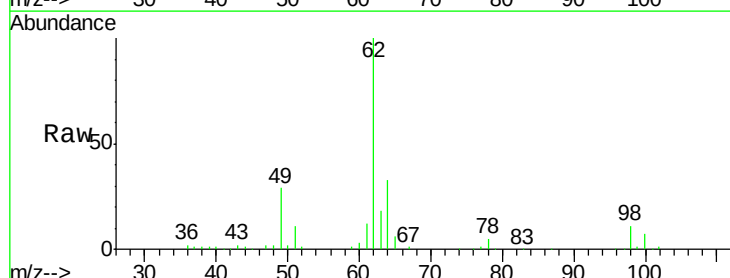
Acq: 1 Feb 2019 16:28

Tgt Ion: 62 Resp: 167023

Ion Ratio Lower Upper

62 100

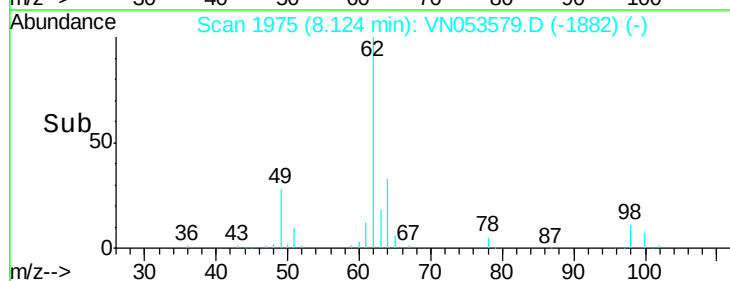
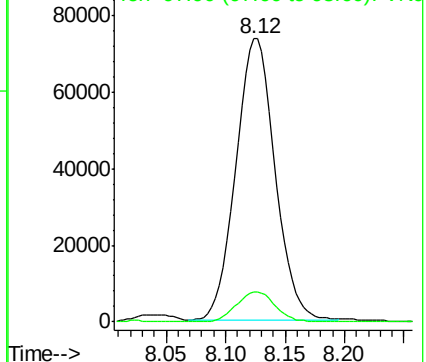
98 10.6 0.0 19.6

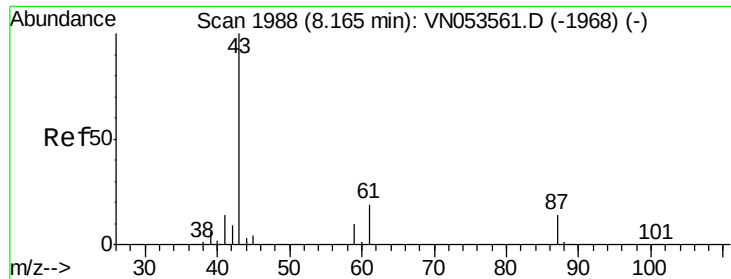


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.121 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

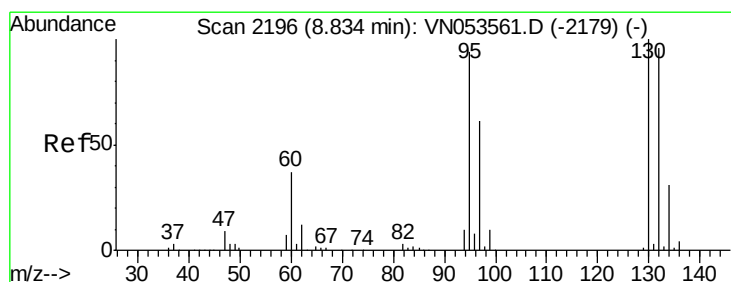
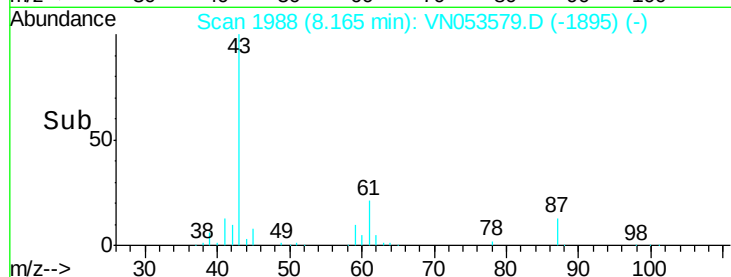
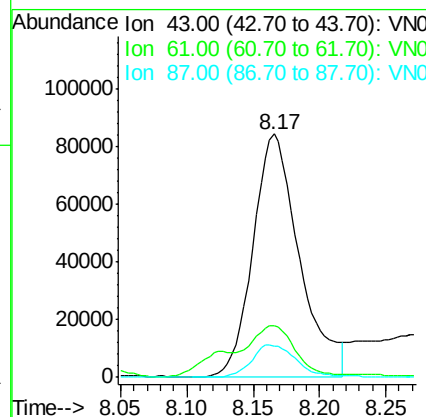
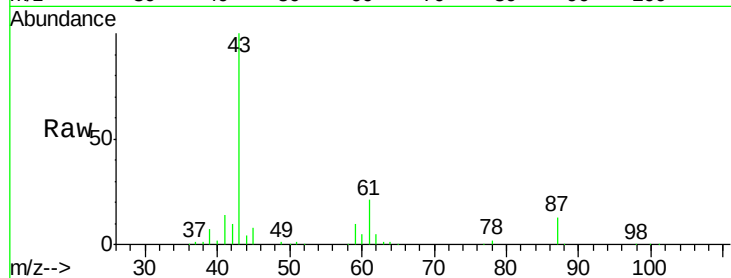
Tot Ion: 43 Resp: 205630

Ion Ratio Lower Upper

43 100

61 19.5 23.9 35.9#

87 13.1 11.0 16.6



#44

Trichloroethene

Concen: 19.303 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053579.D

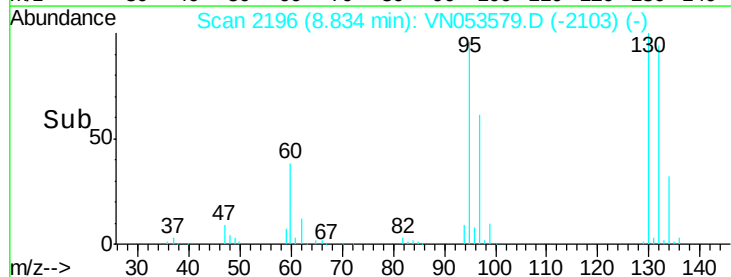
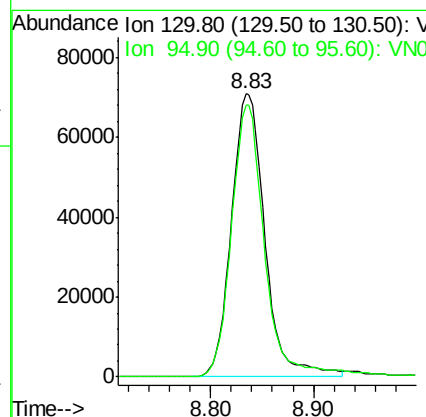
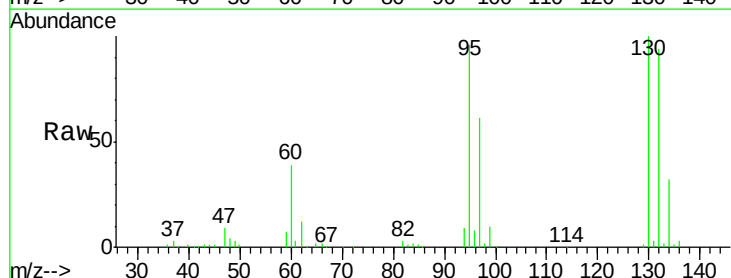
Acq: 1 Feb 2019 16:28

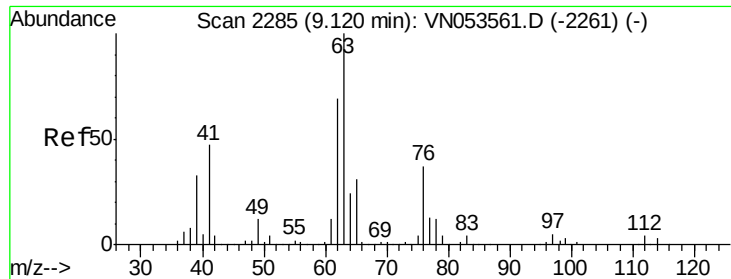
Tgt Ion:130 Resp: 160570

Ion Ratio Lower Upper

130 100

95 95.8 0.0 191.4

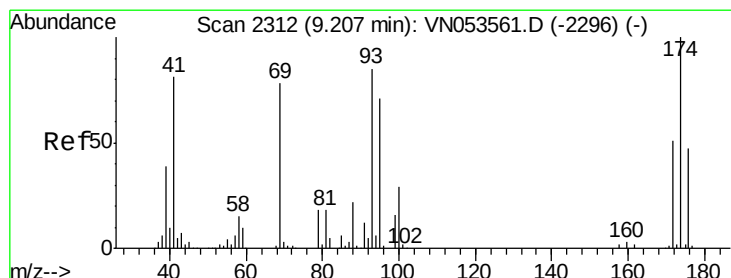
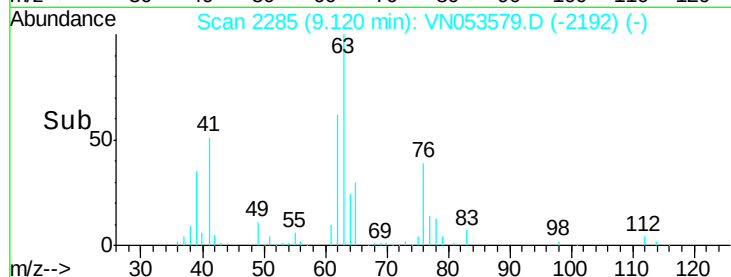
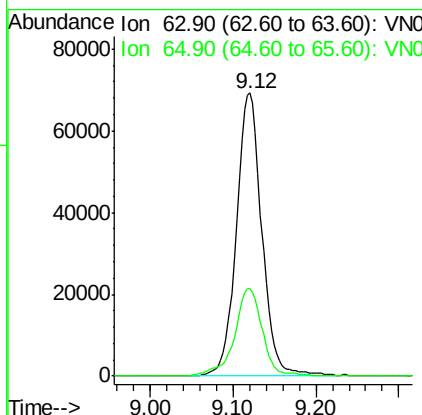
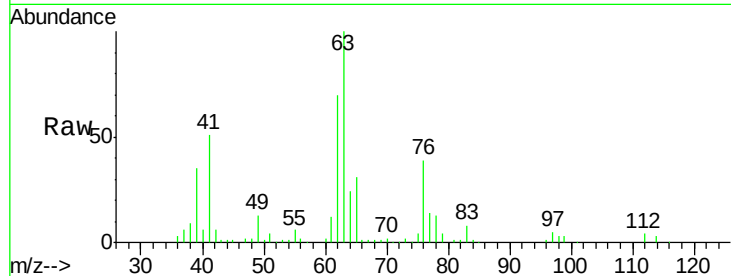




#45
 1,2-Dichloropropane
 Concen: 19.926 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

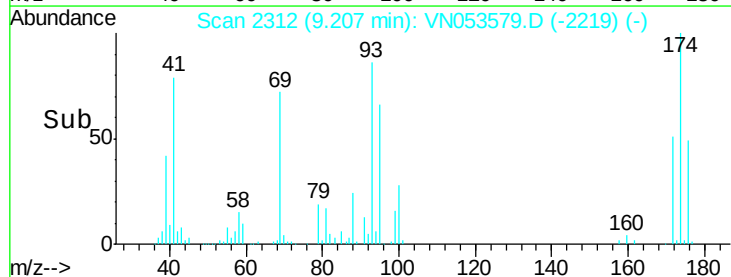
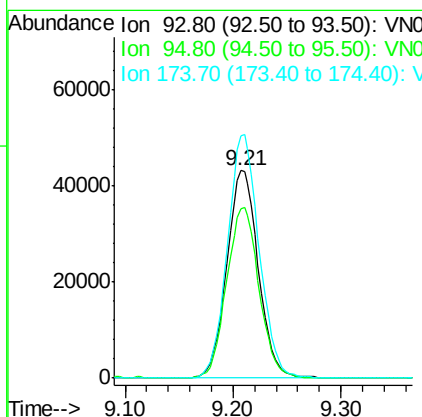
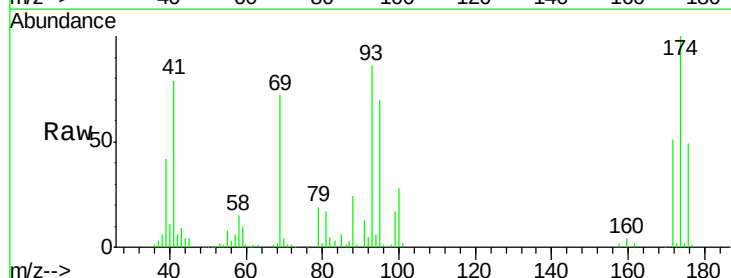
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

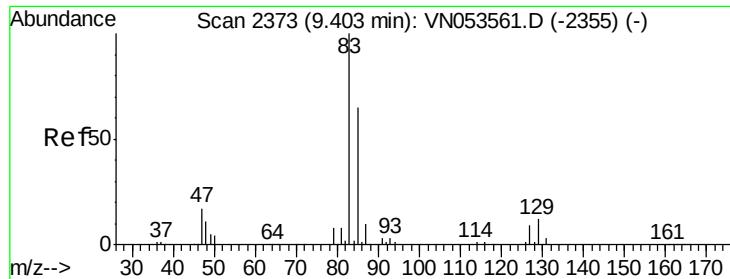
Tot Ion: 63 Resp: 148909
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.4



#46
 Dibromomethane
 Concen: 19.588 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 93 Resp: 88244
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.3 100.9
 174 117.7 91.0 136.4

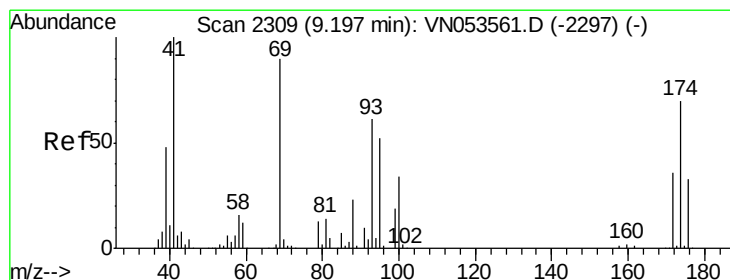
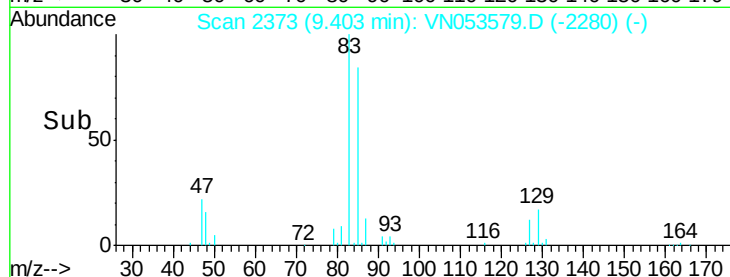
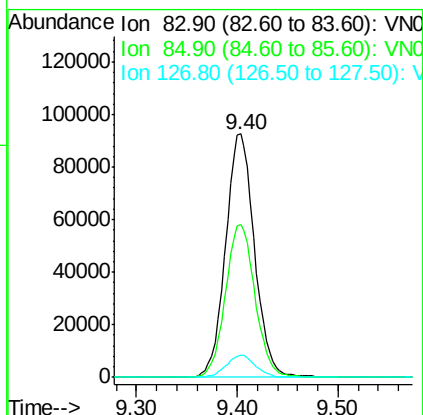
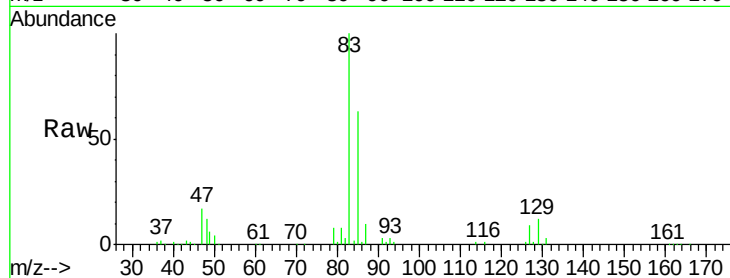




#47
Bromodichloromethane
Concen: 19.779 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

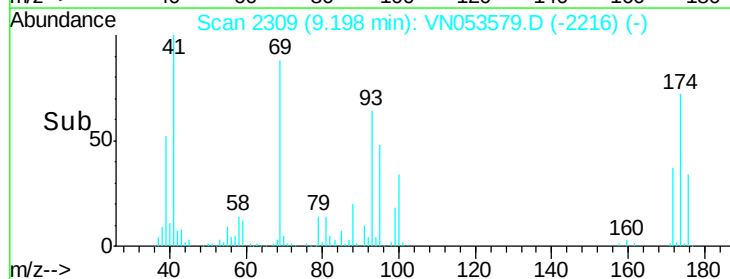
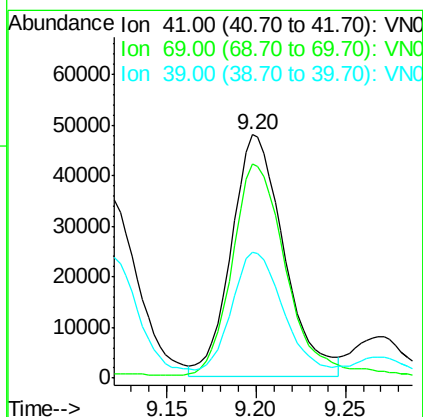
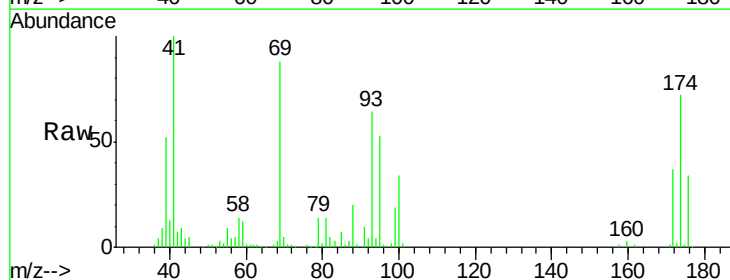
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

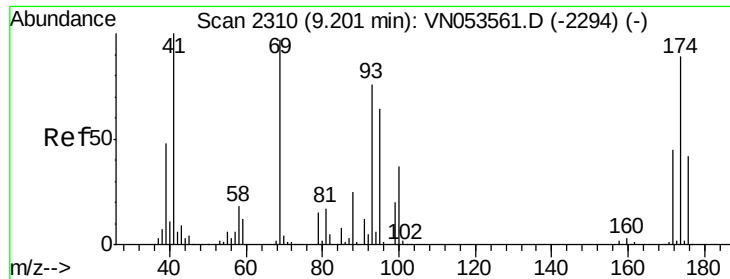
Tot Ion: 83 Resp: 185268
Ion Ratio Lower Upper
83 100
85 62.9 51.0 76.6
127 9.2 7.0 10.6



#48
Methyl methacrylate
Concen: 20.141 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 41 Resp: 98251
Ion Ratio Lower Upper
41 100
69 92.3 73.8 110.6
39 52.0 40.0 60.0





#49

1,4-Dioxane

Concen: 411.438 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

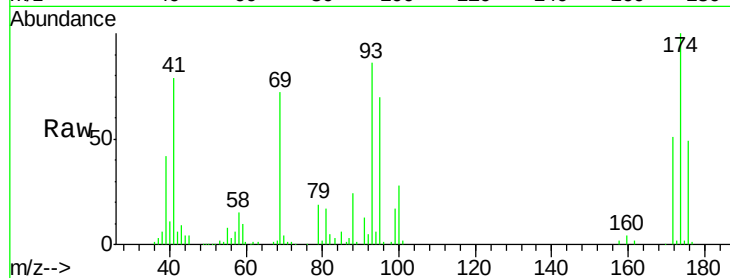
Tot Ion: 88 Resp: 27390

Ion Ratio Lower Upper

88 100

43 30.1 27.8 41.6

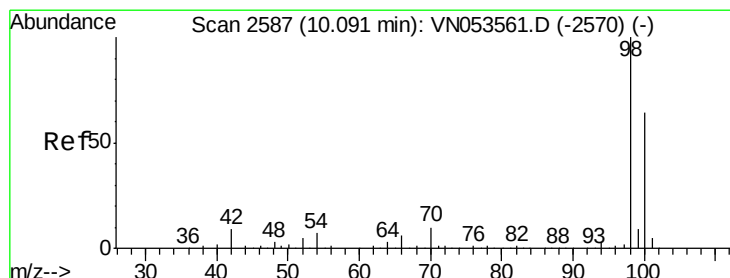
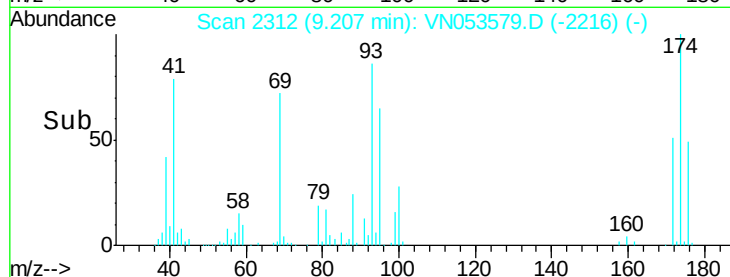
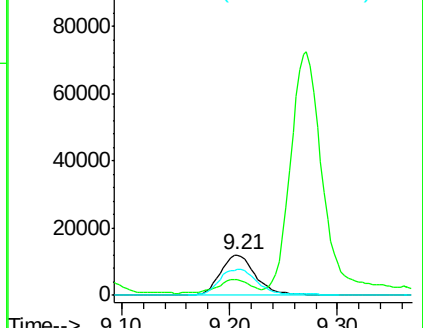
58 69.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 411.438 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053579.D

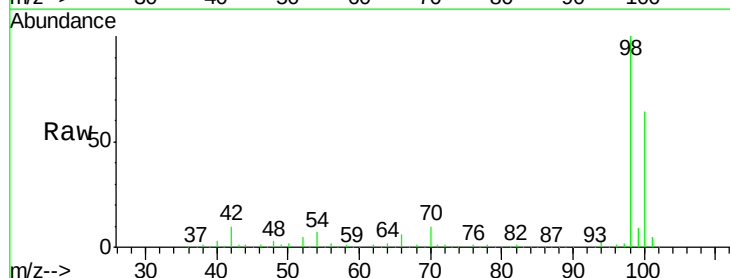
Acq: 1 Feb 2019 16:28

Tgt Ion: 98 Resp: 1238731

Ion Ratio Lower Upper

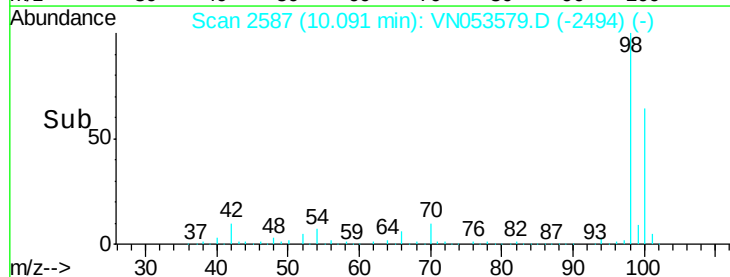
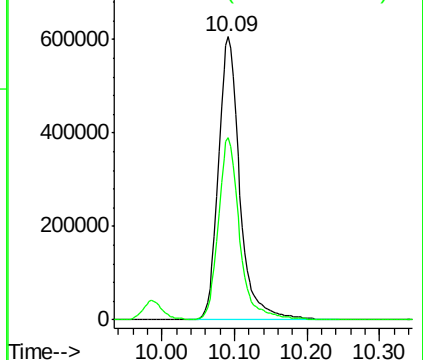
98 100

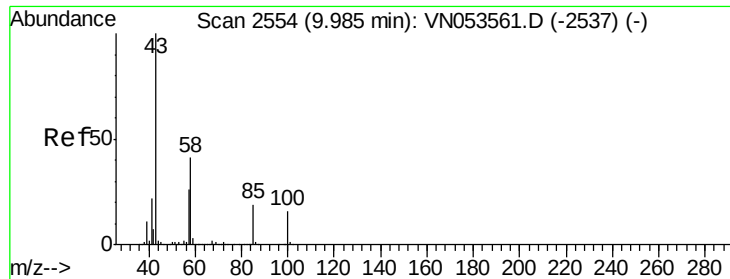
100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

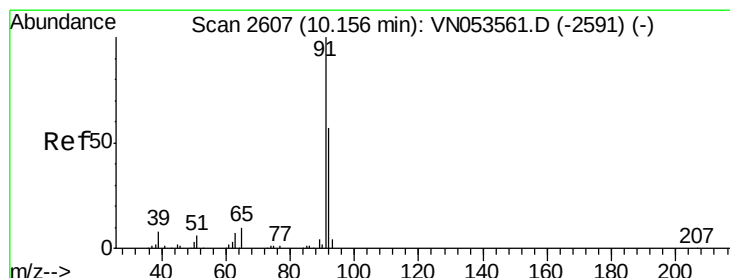
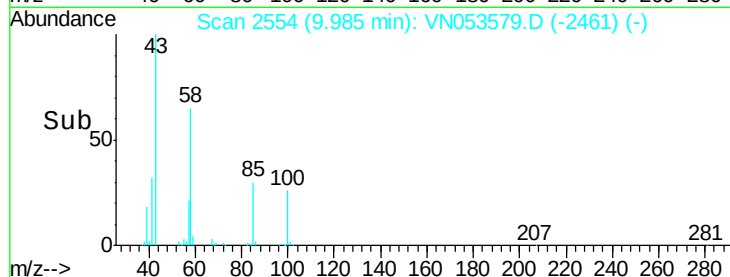
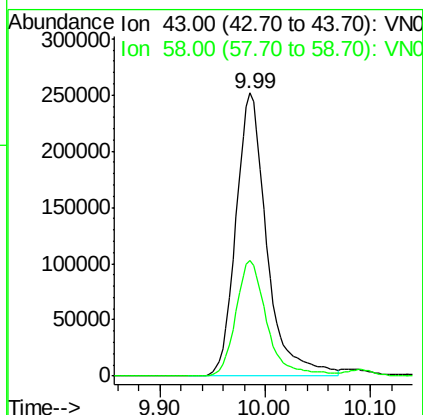
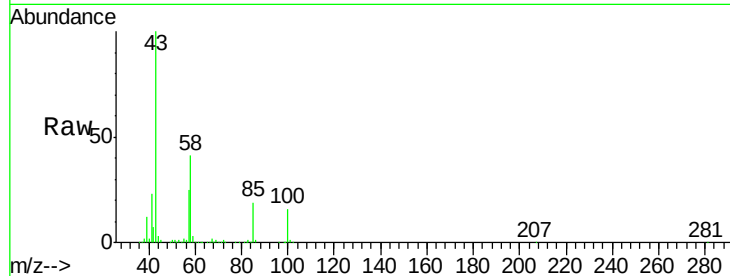




#51
 4-Methyl-2-Pentanone
 Concen: 101.133 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

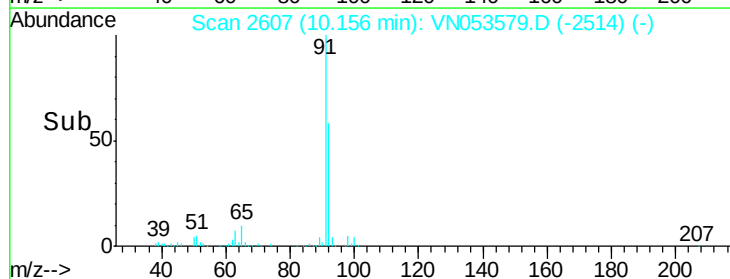
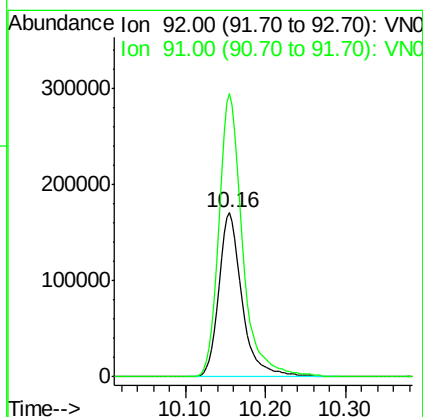
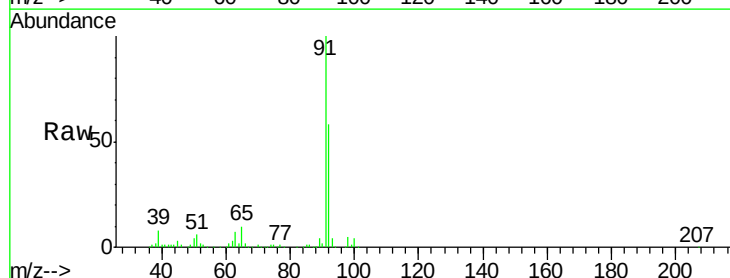
Instrument :
 MSVOA_N
 ClientSampled :
 VN0201WBSD01

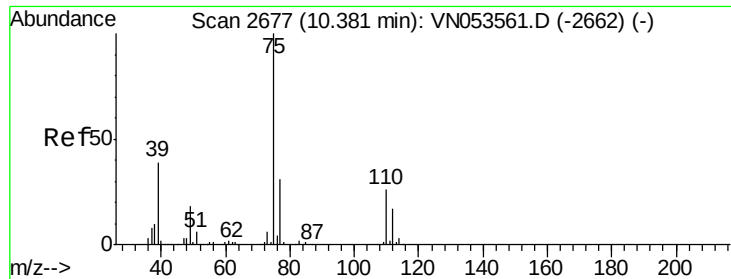
Tot Ion: 43 Resp: 507884
 Ion Ratio Lower Upper
 43 100
 58 41.4 32.8 49.2



#52
 Toluene
 Concen: 19.874 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 92 Resp: 344631
 Ion Ratio Lower Upper
 92 100
 91 174.4 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.712 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

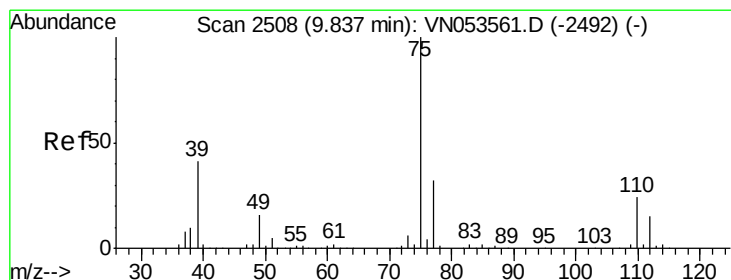
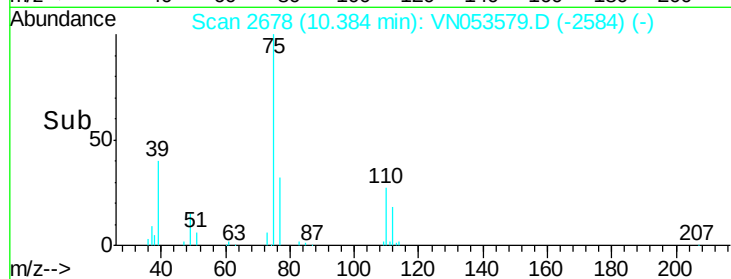
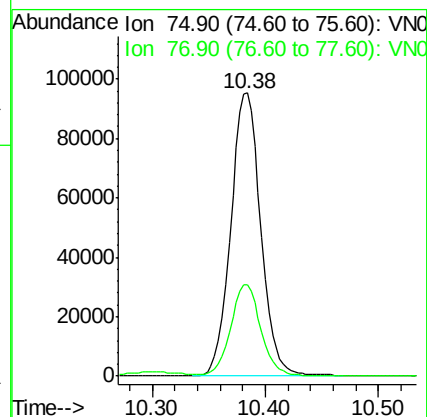
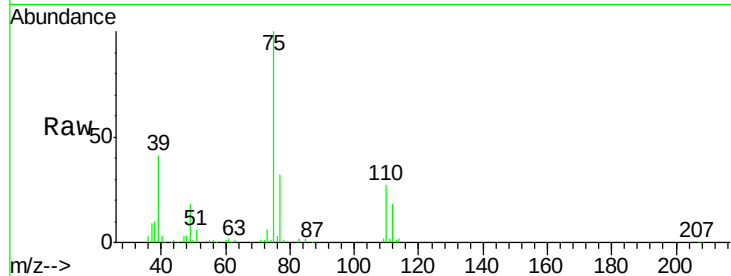
VN0201WBSD01

Tot Ion: 75 Resp: 175505

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.342 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

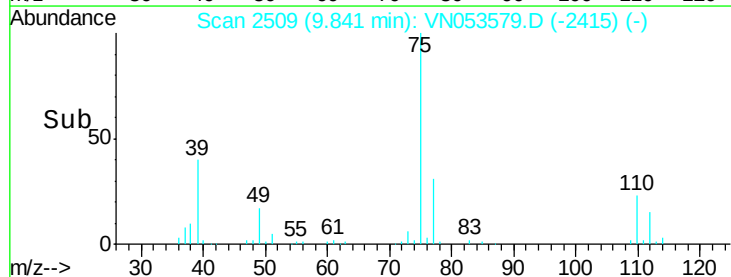
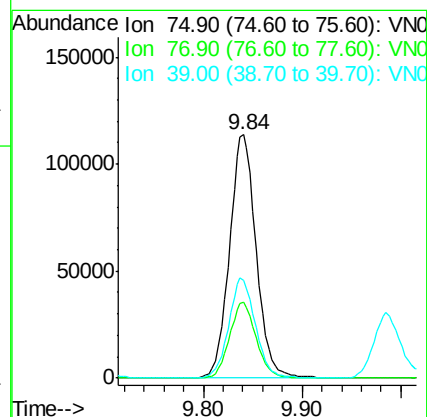
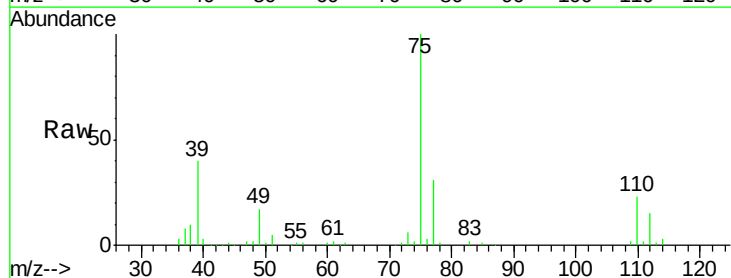
Tgt Ion: 75 Resp: 214978

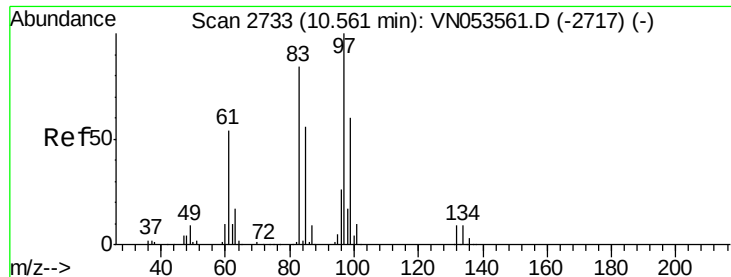
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 40.2 33.4 50.0





#55

1,1,2-Trichloroethane

Concen: 20.509 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

Tot Ion: 97 Resp: 128151

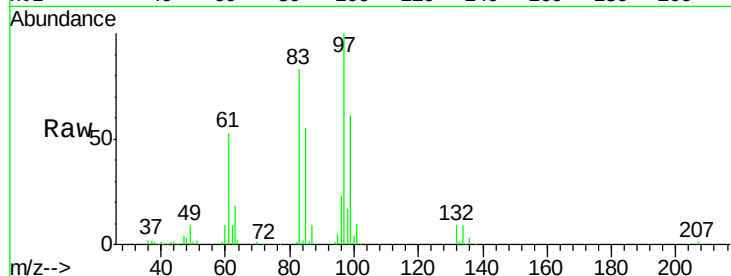
Ion Ratio Lower Upper

97 100

83 83.0 70.1 105.1

85 54.6 45.4 68.0

99 60.7 49.8 74.8



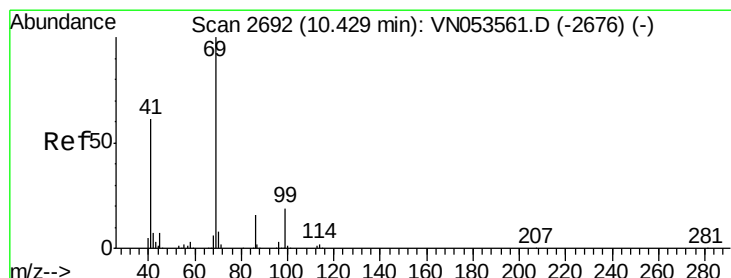
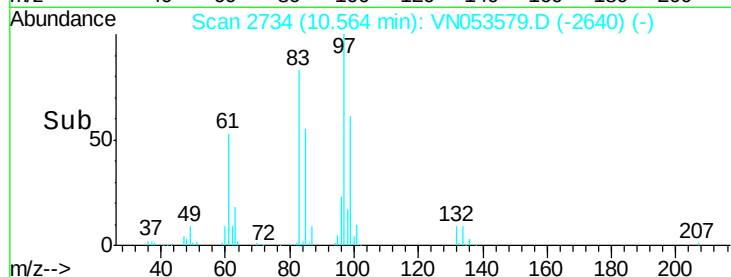
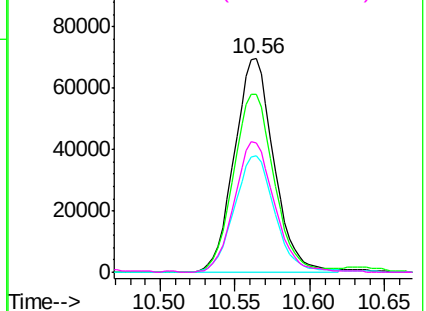
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.614 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

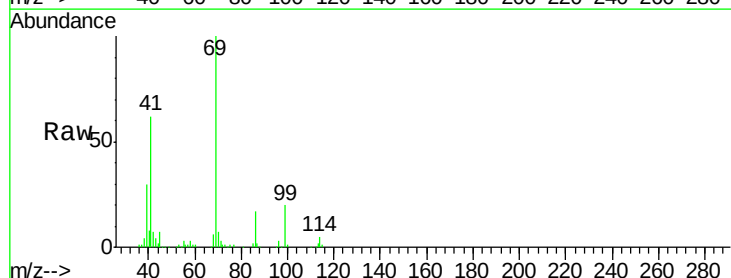
Tgt Ion: 69 Resp: 144992

Ion Ratio Lower Upper

69 100

41 61.5 49.4 74.0

39 29.4 23.3 34.9

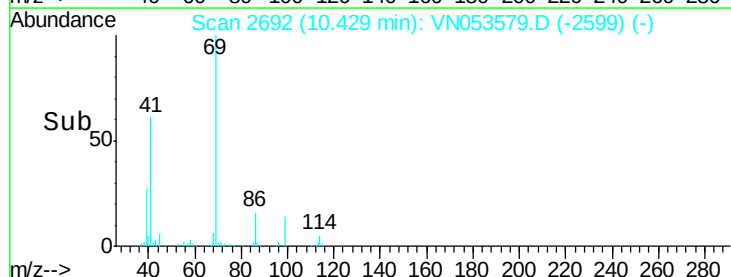
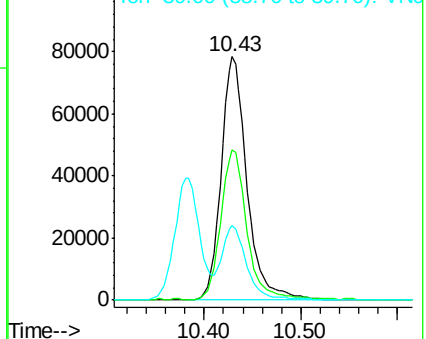


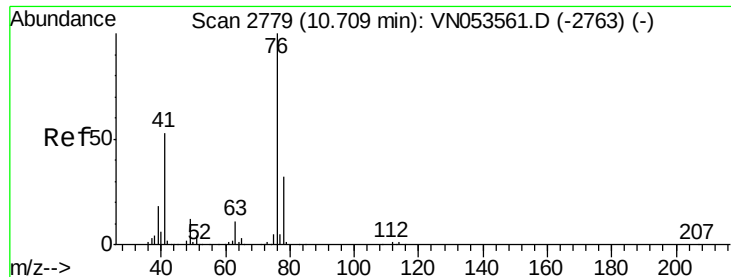
Abundance

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

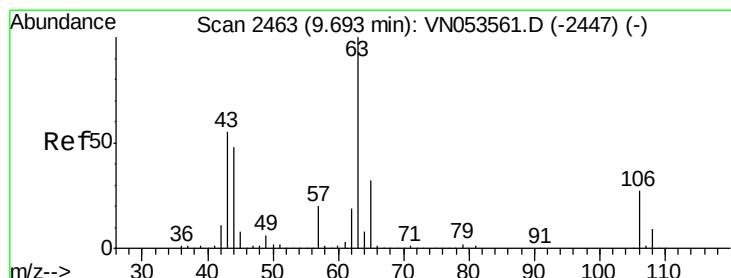
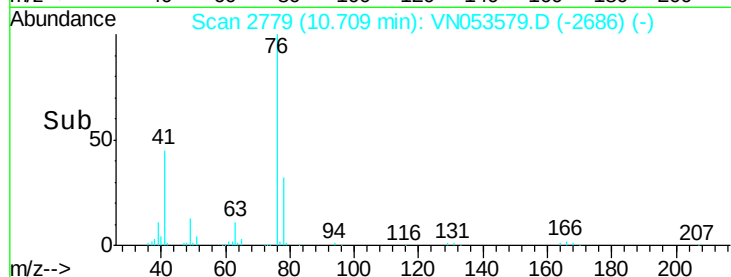
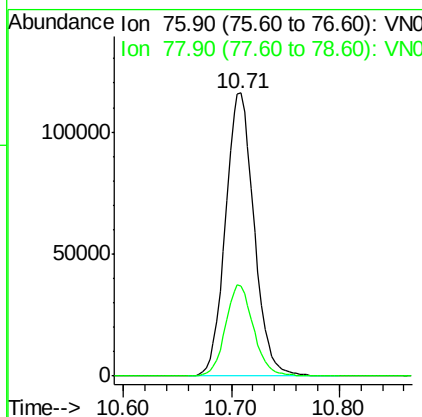
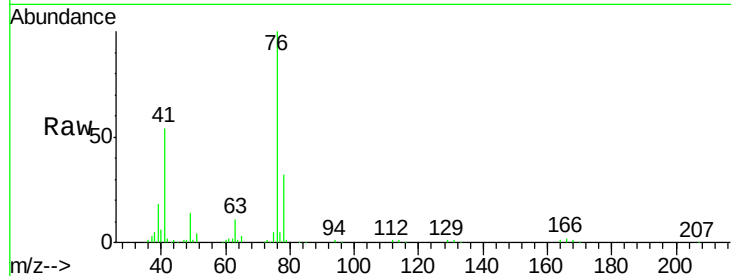




#57
 1,3-Dichloropropane
 Concen: 20.080 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

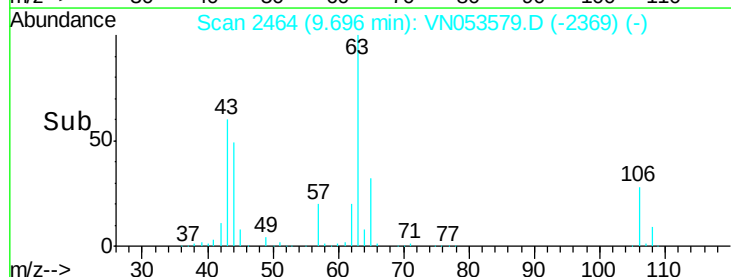
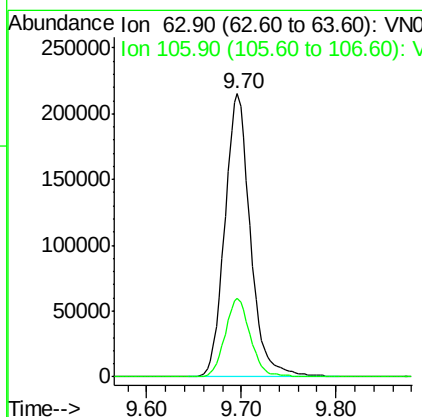
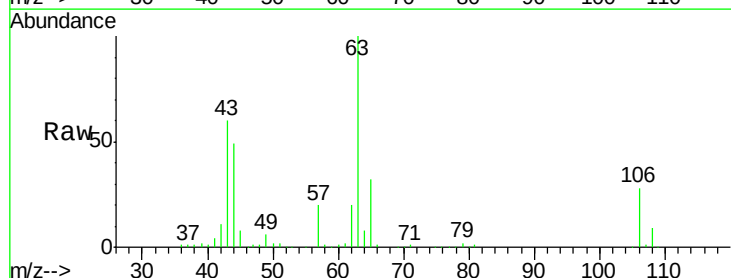
Instrument :
 MSVOA_N
 ClientSampled :
 VN0201WBSD01

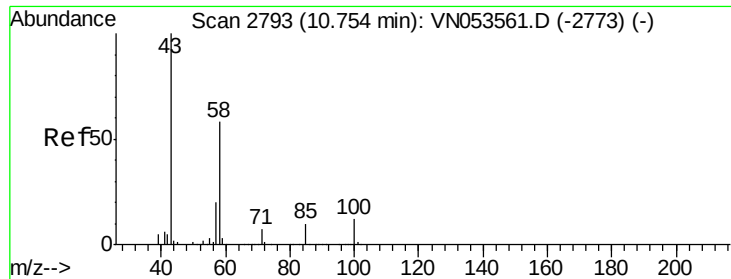
Tot Ion: 76 Resp: 214439
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.485 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 63 Resp: 404827
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.5 32.3

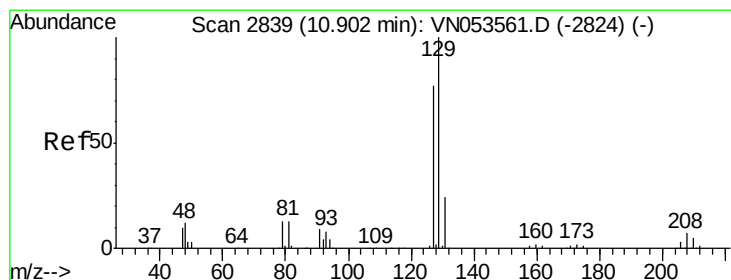
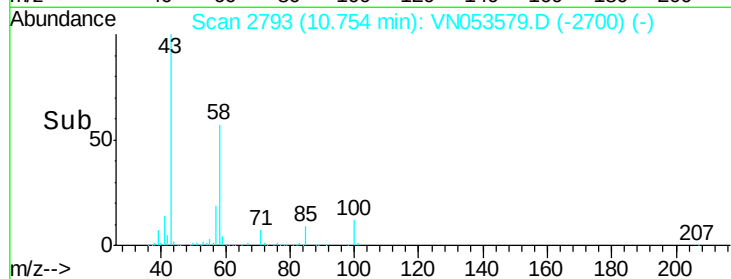
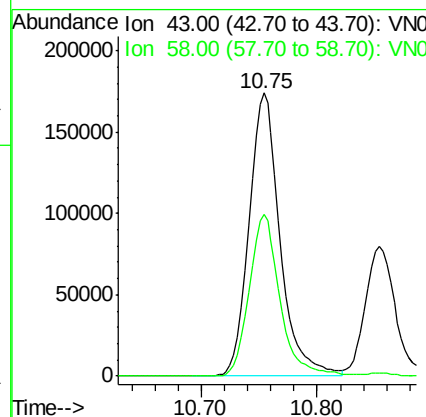
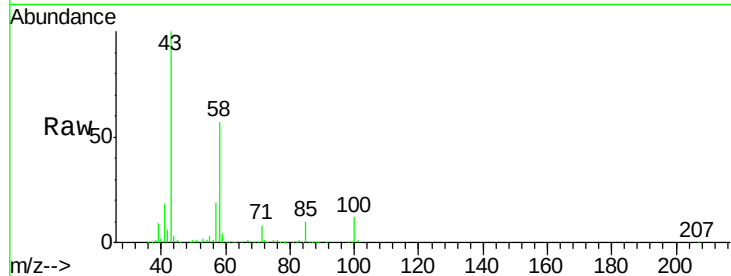




#59
2-Hexanone
Concen: 94.552 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

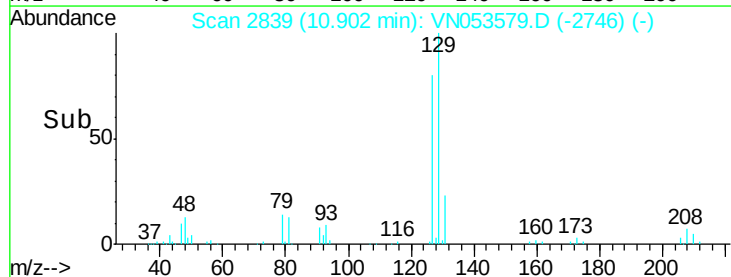
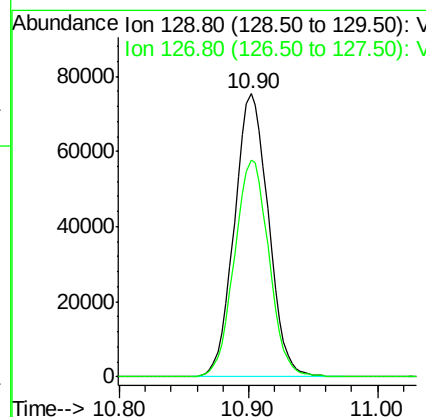
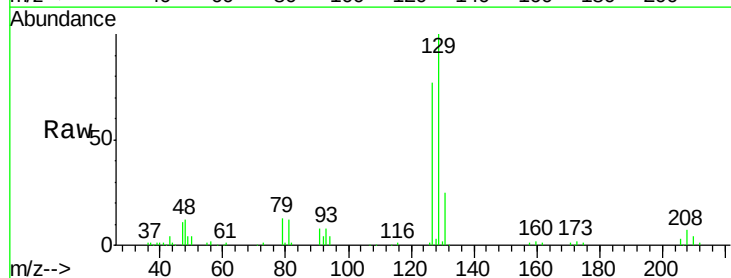
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

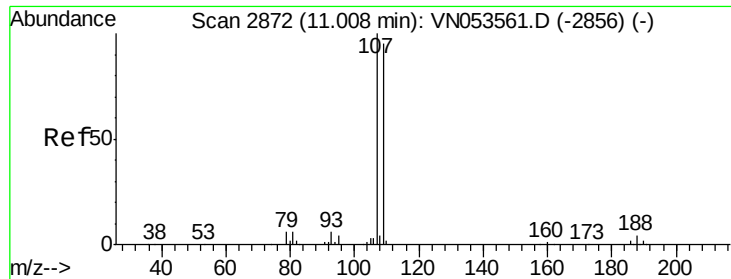
Tot Ion: 43 Resp: 322350
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.8



#60
Dibromochloromethane
Concen: 19.648 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 129 Resp: 138448
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8

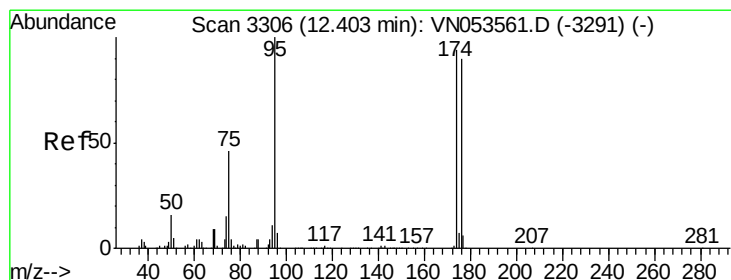
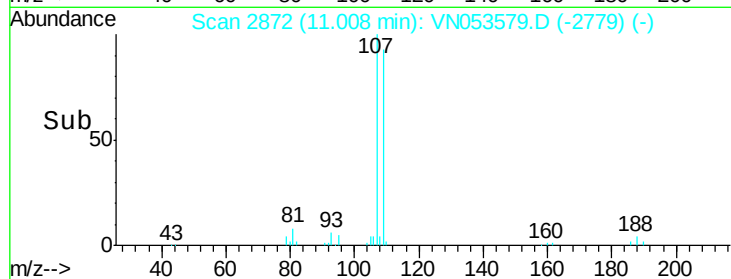
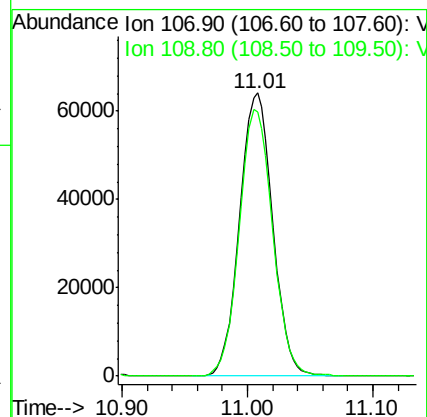
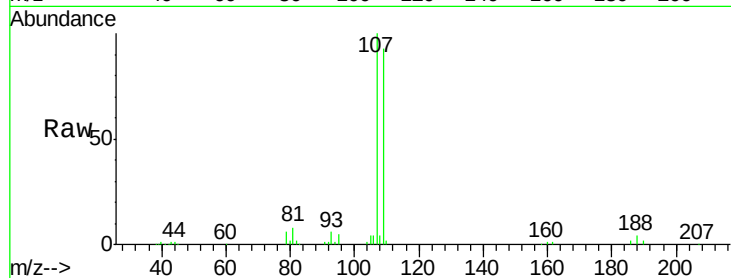




#61
 1,2-Dibromoethane
 Concen: 19.023 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

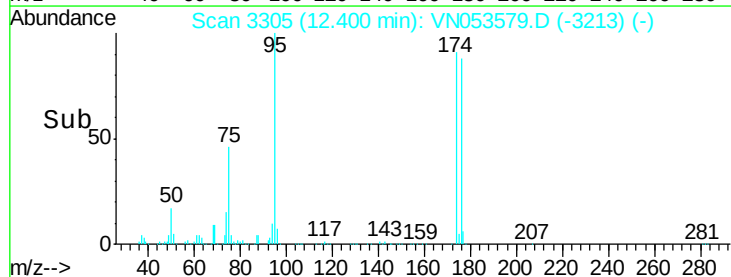
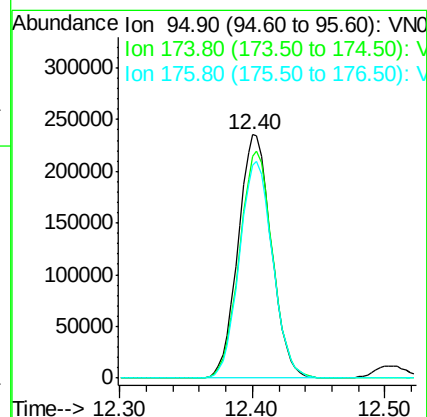
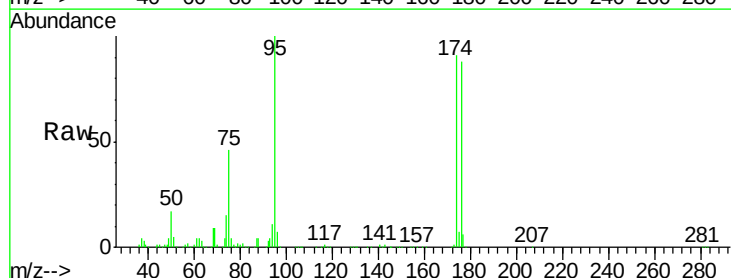
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

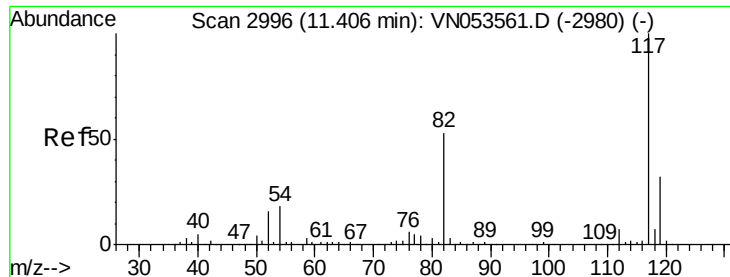
Tot Ion:107 Resp: 117651
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.023 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion: 95 Resp: 409006
 Ion Ratio Lower Upper
 95 100
 174 92.8 0.0 183.2
 176 89.2 0.0 177.4

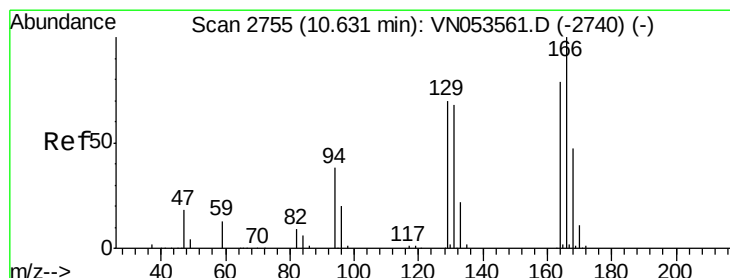
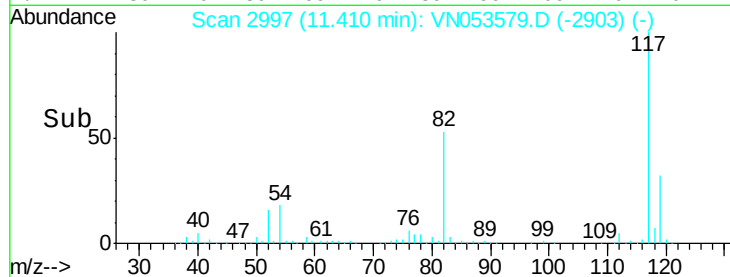
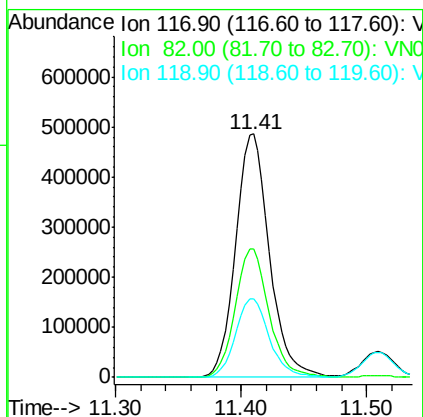
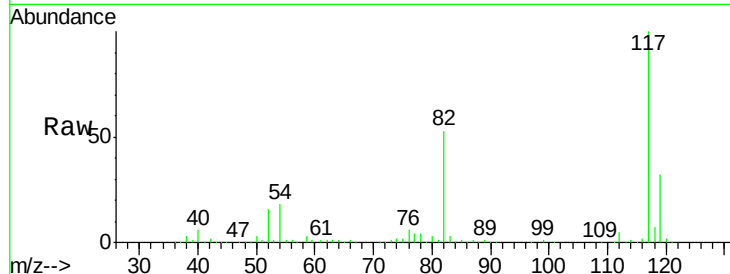




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

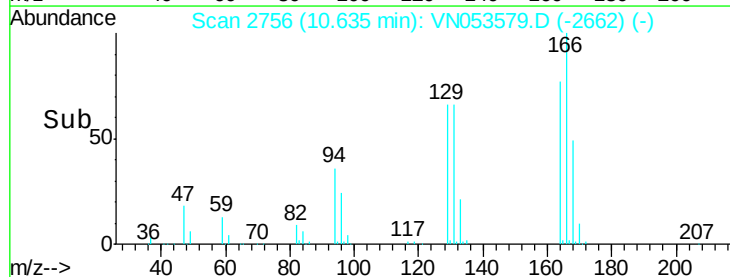
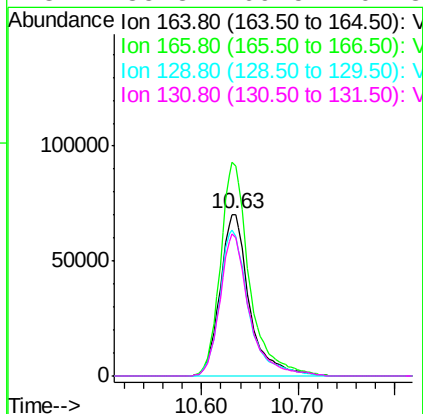
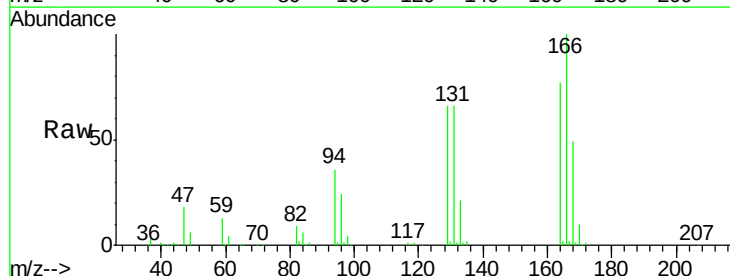
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

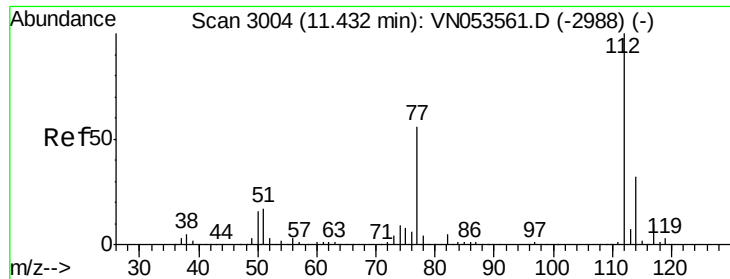
Tot Ion:117 Resp: 911383
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.4 26.0 39.0



#64
Tetrachloroethene
Concen: 18.949 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion:164 Resp: 148042
Ion Ratio Lower Upper
164 100
166 129.8 102.2 153.4
129 85.9 72.6 109.0
131 85.3 69.5 104.3

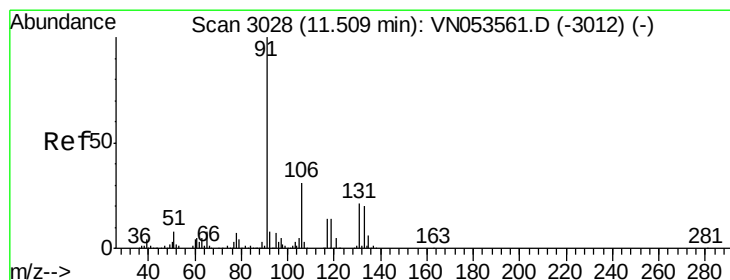
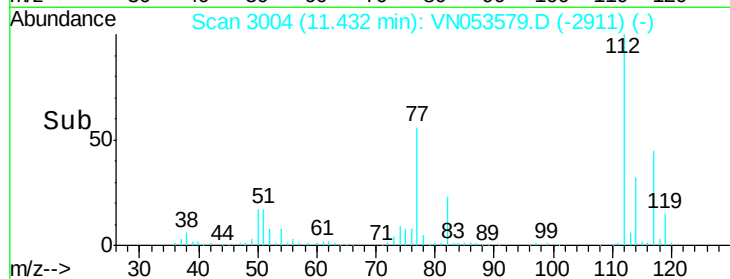
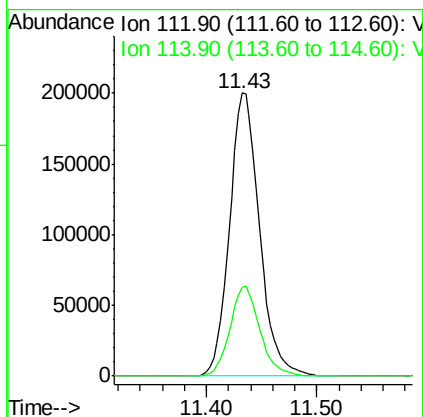
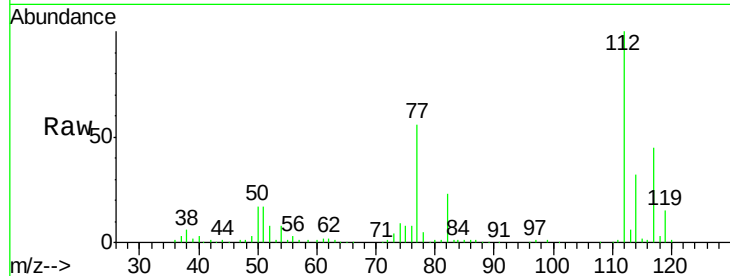




#65
Chlorobenzene
Concen: 19.473 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

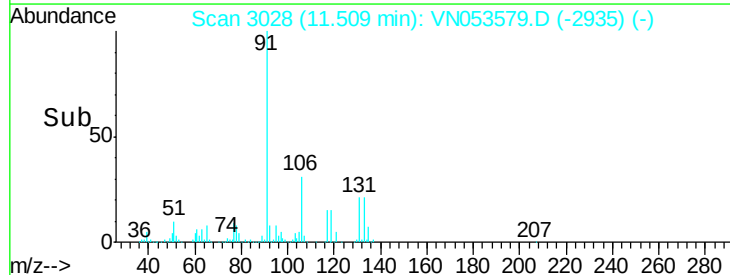
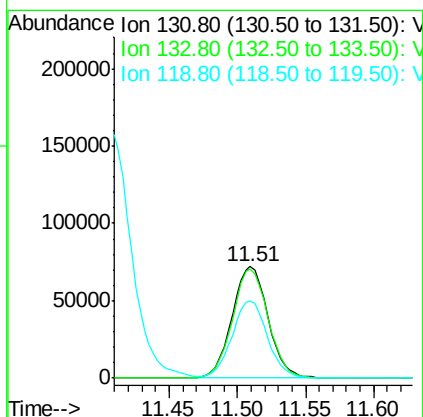
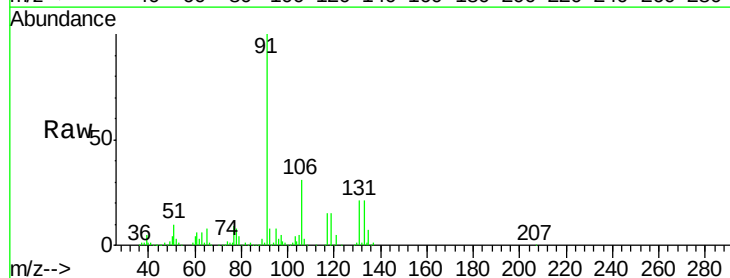
Instrument :
MSVOA_N
ClientSampled :
VN0201WBSD01

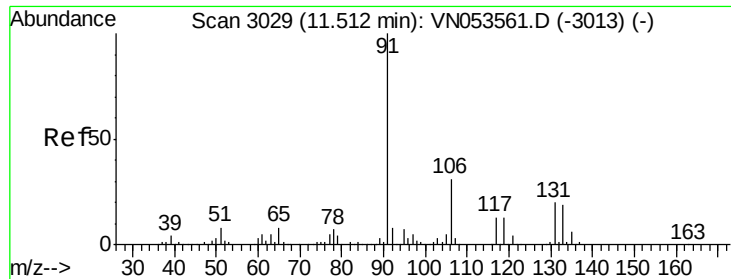
Tot Ion:112 Resp: 376970
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.574 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion:131 Resp: 132339
Ion Ratio Lower Upper
131 100
133 97.0 48.0 144.0
119 68.5 33.5 100.5

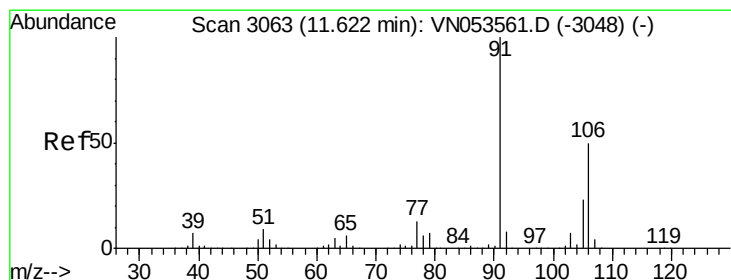
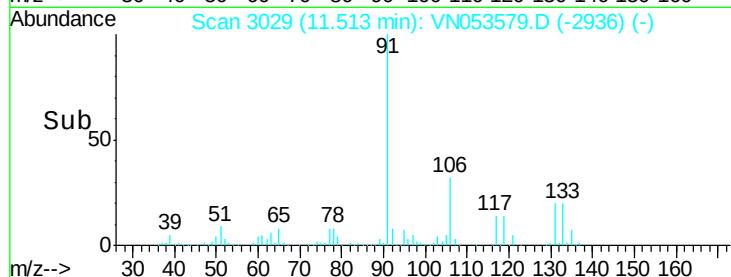
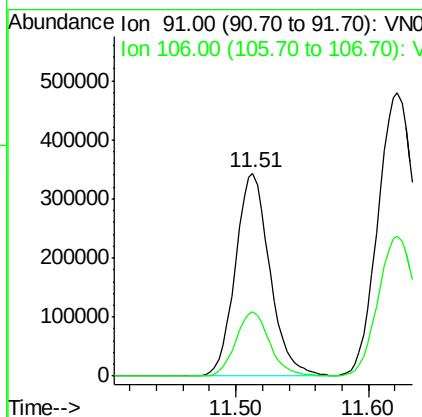
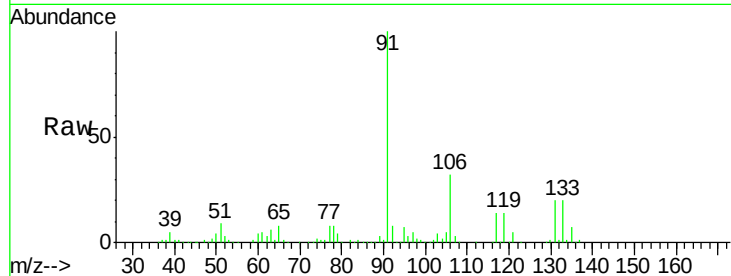




#67
Ethyl Benzene
Concen: 19.519 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

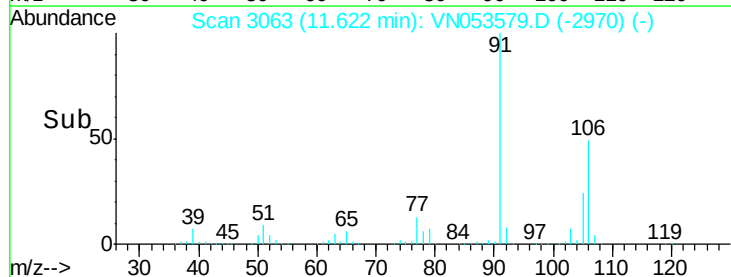
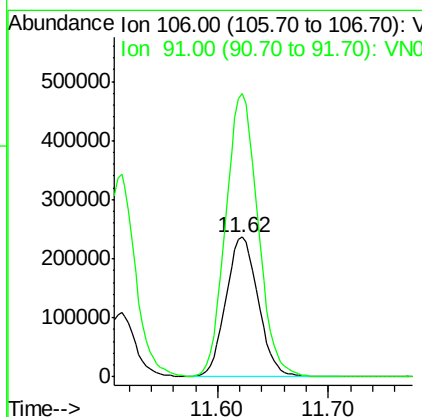
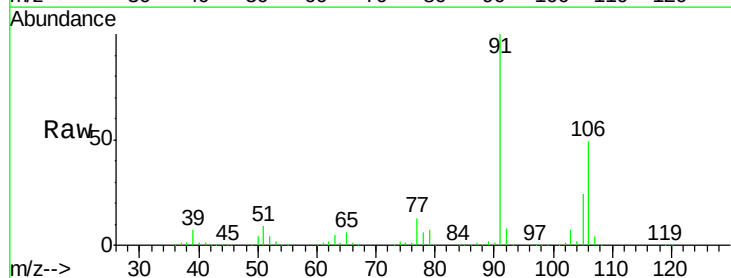
Instrument :
MSVOA_N
ClientSampled :
VN0201WBSD01

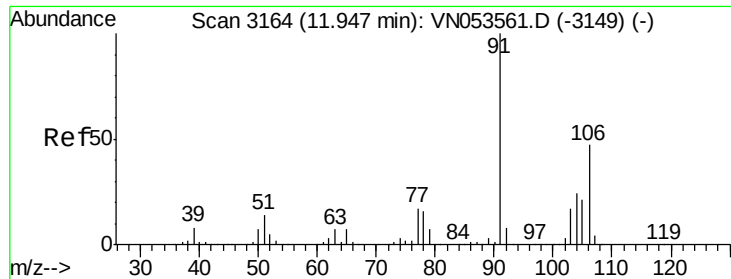
Tot Ion: 91 Resp: 620712
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 39.625 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion: 106 Resp: 480934
Ion Ratio Lower Upper
106 100
91 202.5 161.4 242.2

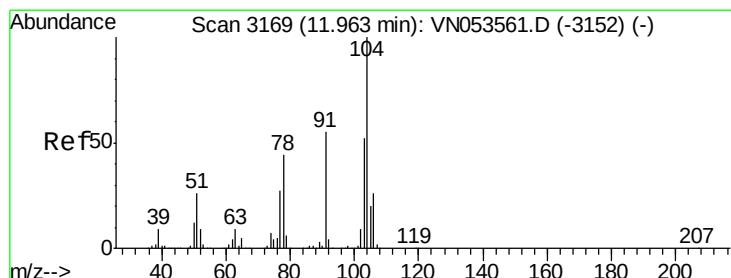
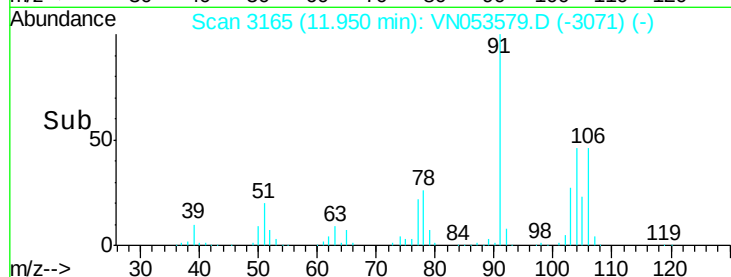
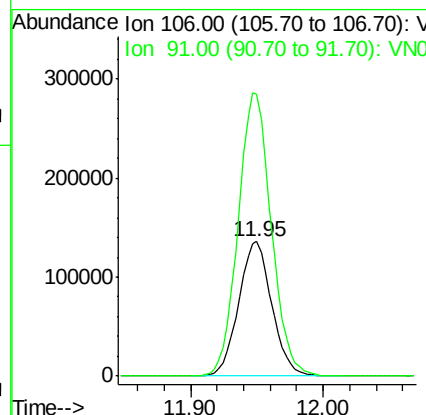
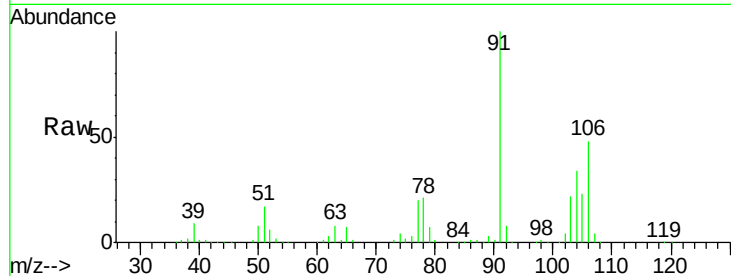




#69
o-Xylene
Concen: 20.057 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

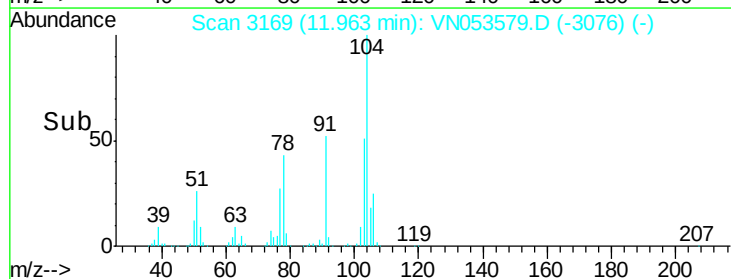
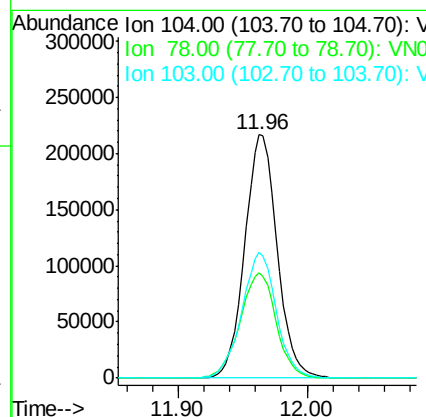
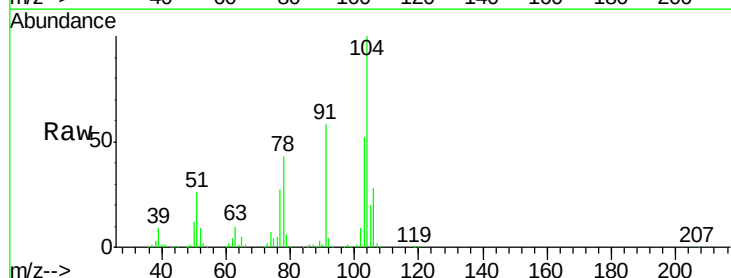
Instrument :
MSVOA_N
ClientSampleId :
VN0201WBSD01

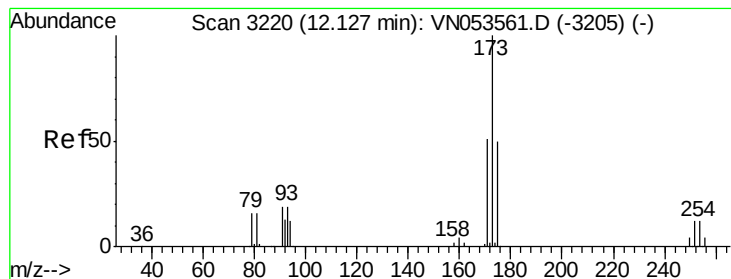
Tot Ion:106 Resp: 235175
Ion Ratio Lower Upper
106 100
91 210.7 106.9 320.8



#70
Styrene
Concen: 19.973 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053579.D
Acq: 1 Feb 2019 16:28

Tgt Ion:104 Resp: 379597
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 55.0 44.4 66.6





#71

Bromoform

Concen: 20.334 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

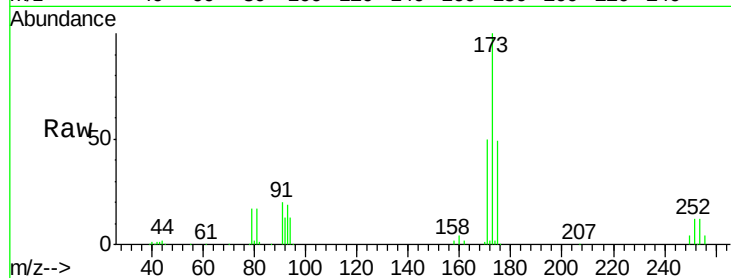
Tot Ion:173 Resp: 94250

Ion Ratio Lower Upper

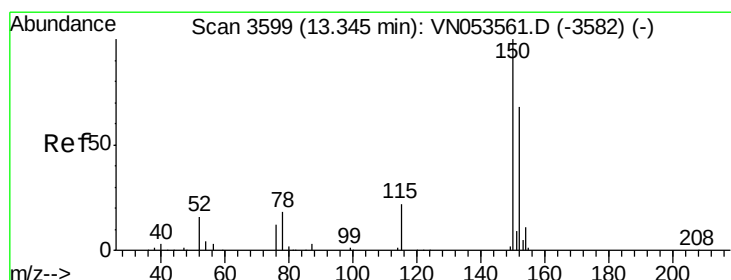
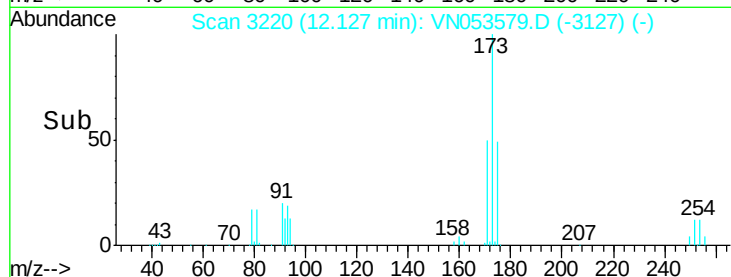
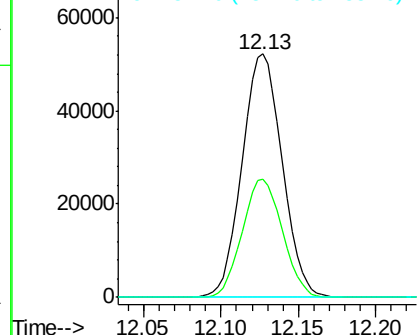
173 100

175 48.5 24.6 74.0

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

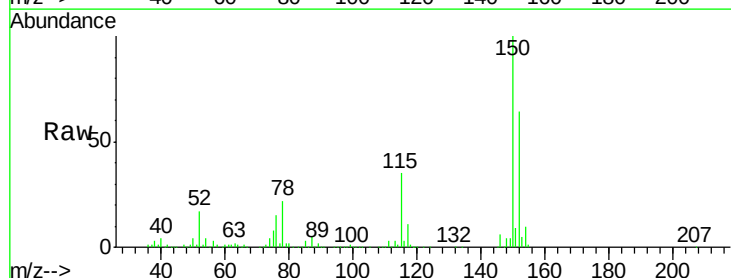
Tgt Ion:152 Resp: 435976

Ion Ratio Lower Upper

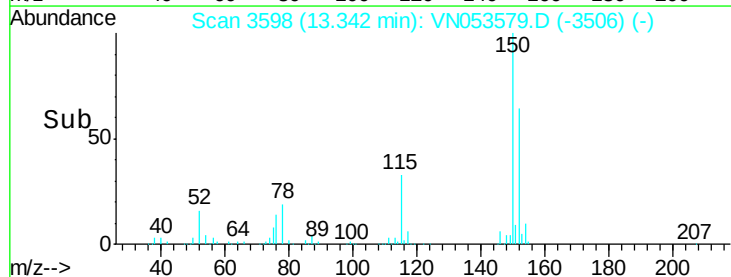
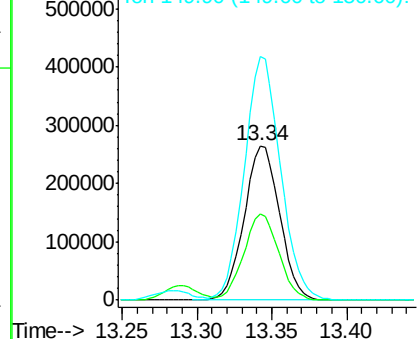
152 100

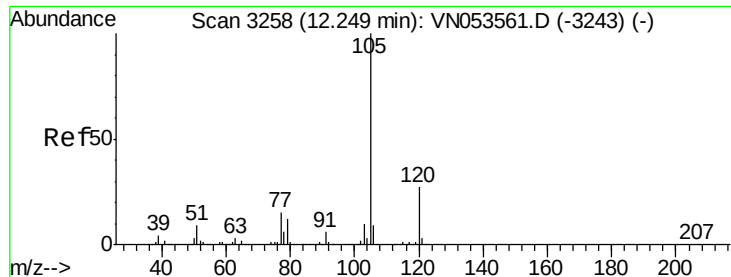
115 55.3 27.8 83.4

150 161.9 0.0 349.0



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





#73

Isopropylbenzene

Concen: 20.011 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

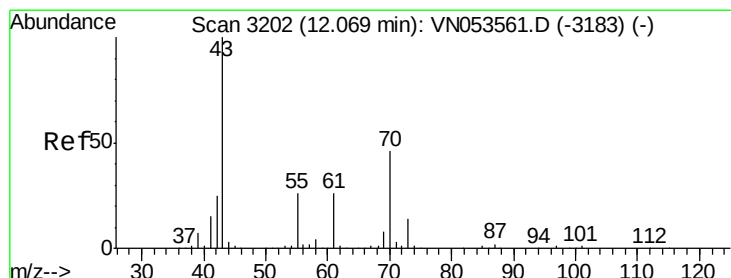
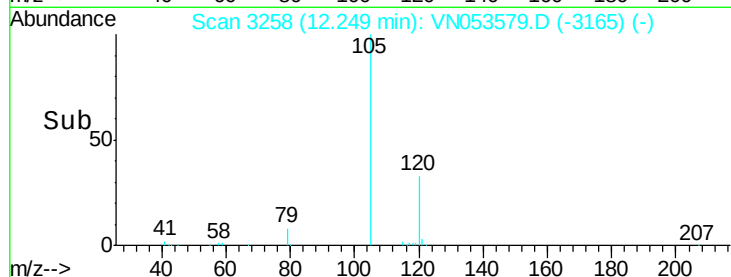
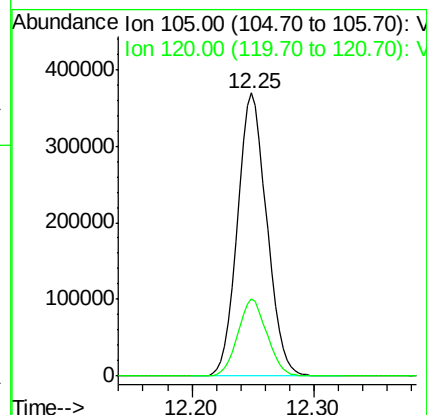
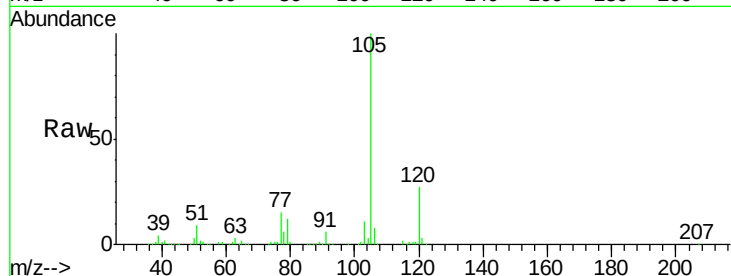
VN0201WBSD01

Tot Ion:105 Resp: 613310

Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.7



#74

N-ethyl acetate

Concen: 18.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Tgt Ion: 43 Resp: 139950

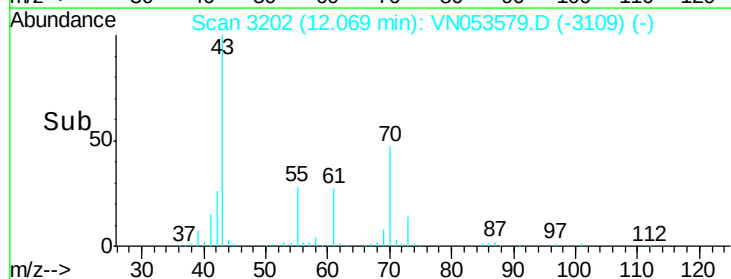
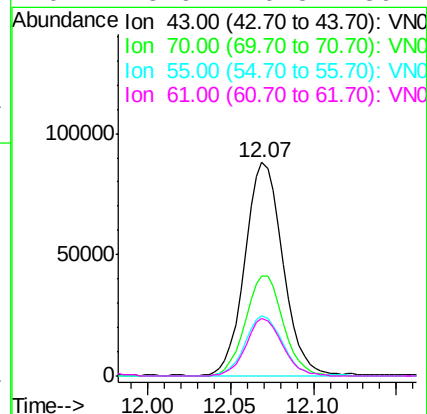
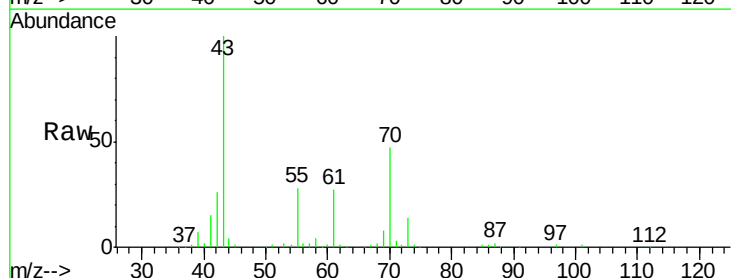
Ion Ratio Lower Upper

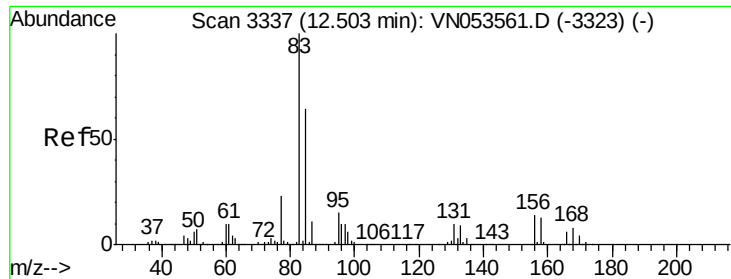
43 100

70 47.1 35.4 53.2

55 28.2 20.9 31.3

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.987 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

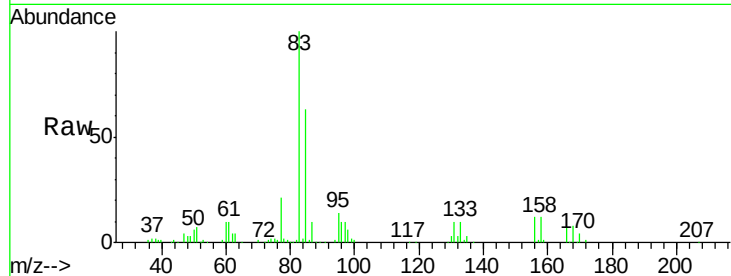
Tot Ion: 83 Resp: 146605

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

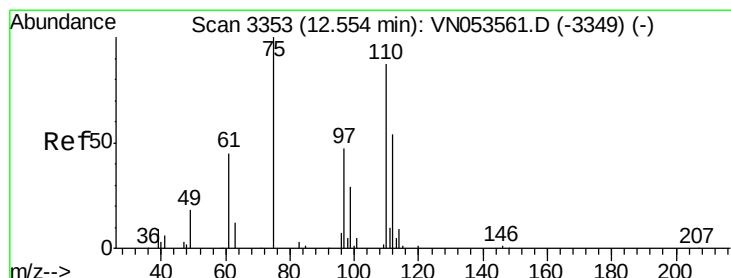
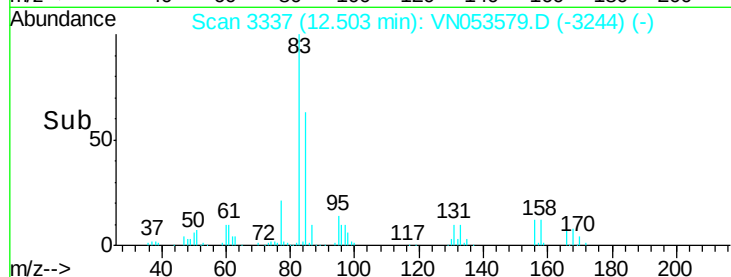
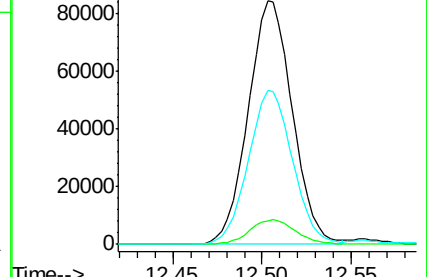
85 63.1 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.585 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN053579.D

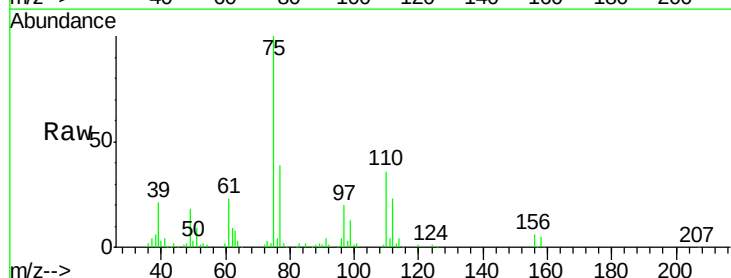
Acq: 1 Feb 2019 16:28

Tgt Ion: 75 Resp: 176873

Ion Ratio Lower Upper

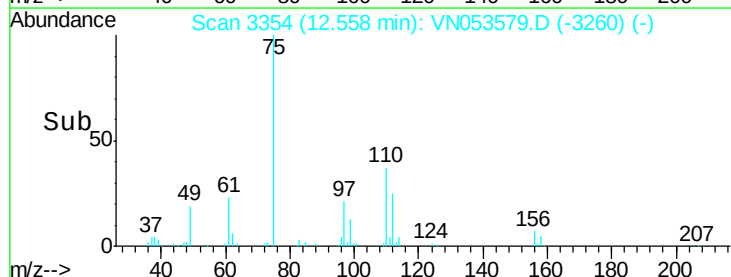
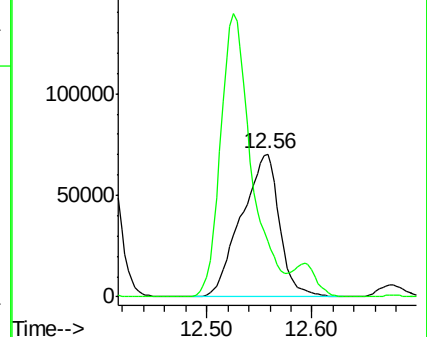
75 100

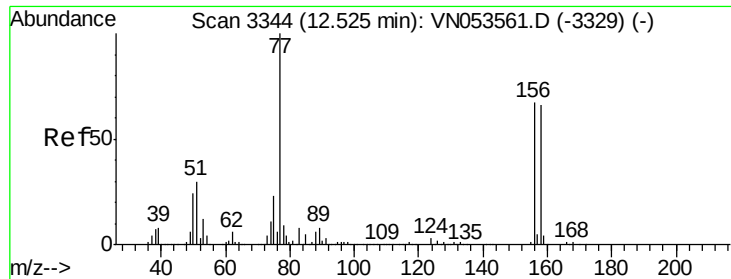
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.529 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

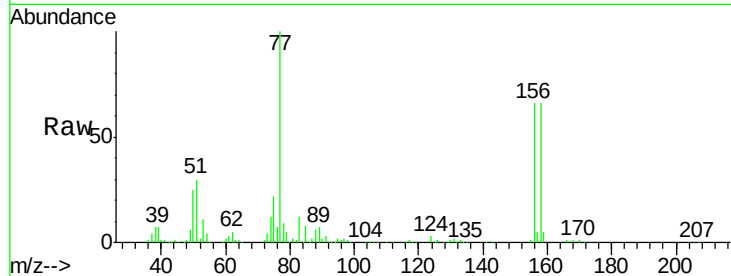
Tot Ion:156 Resp: 161311

Ion Ratio Lower Upper

156 100

77 176.3 87.9 263.8

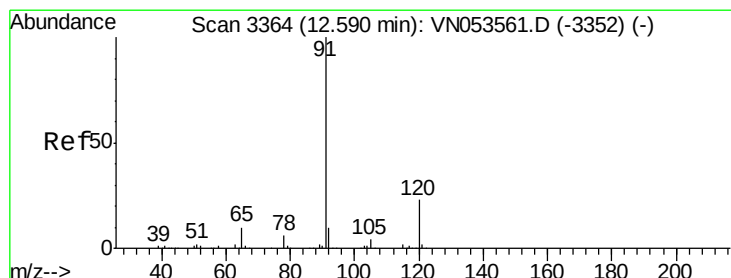
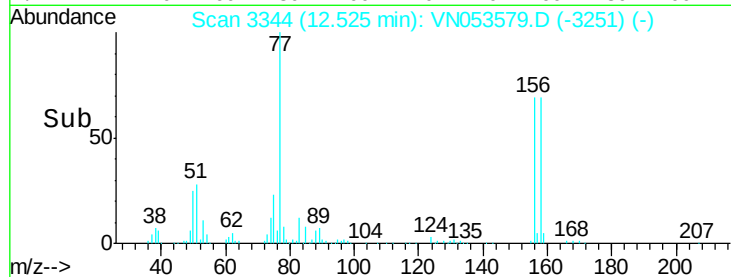
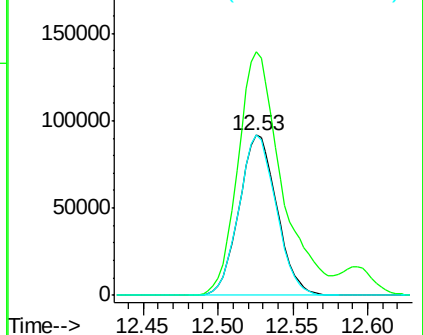
158 98.0 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.911 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053579.D

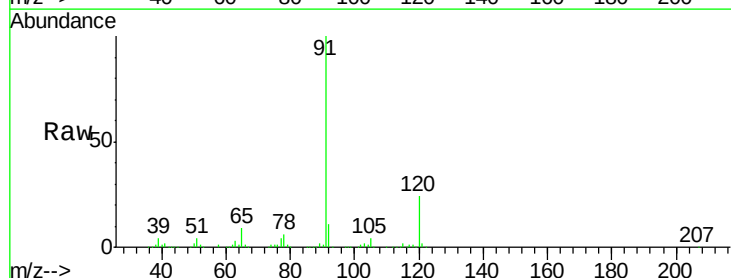
Acq: 1 Feb 2019 16:28

Tgt Ion: 91 Resp: 705435

Ion Ratio Lower Upper

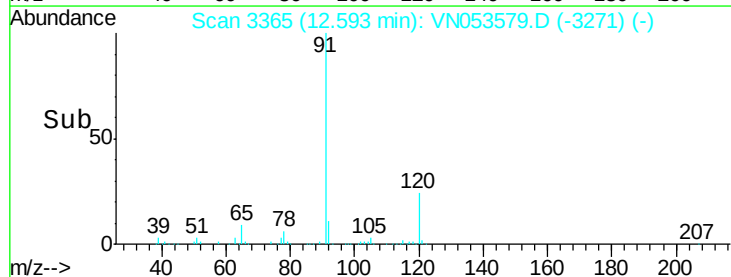
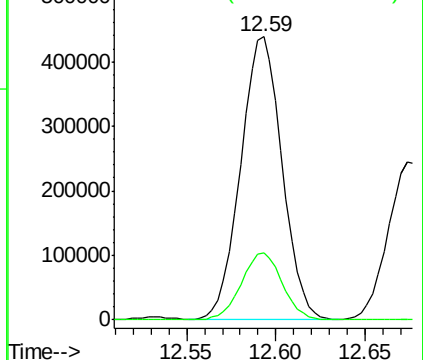
91 100

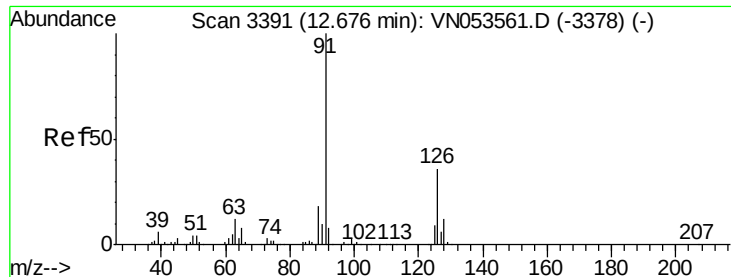
120 23.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.897 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

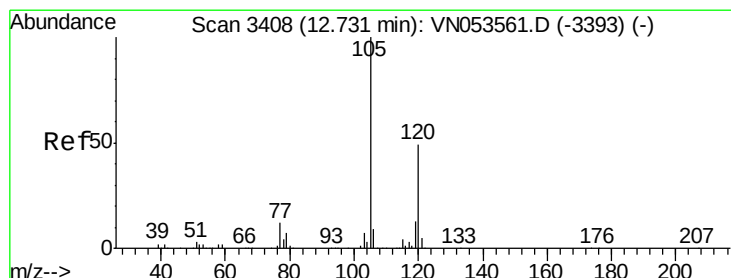
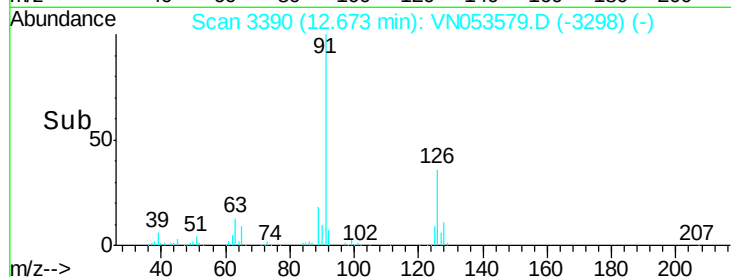
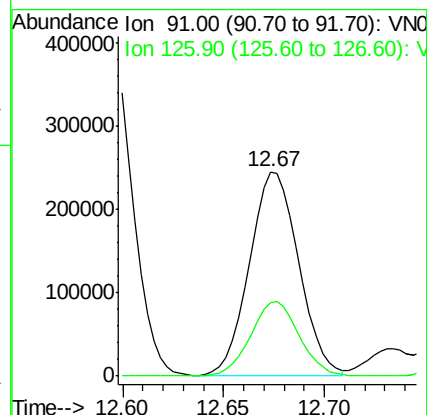
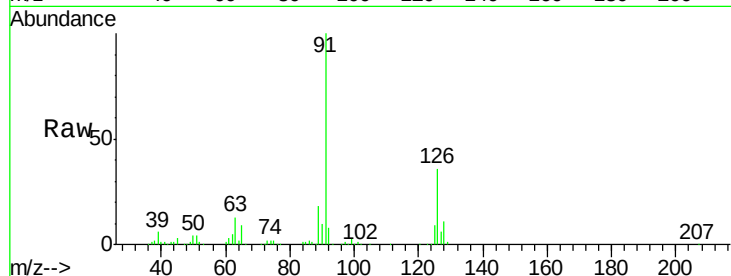
VN0201WBSD01

Tot Ion: 91 Resp: 418233

Ion Ratio Lower Upper

91 100

126 36.2 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 20.562 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053579.D

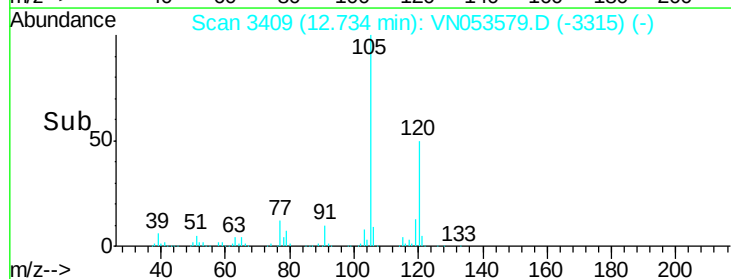
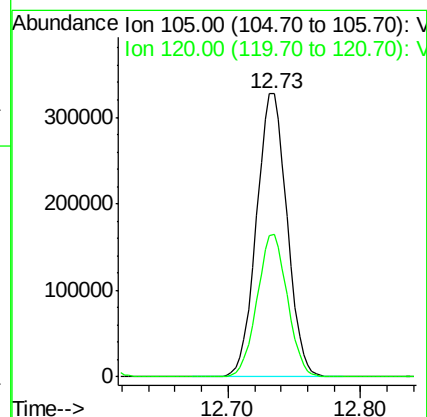
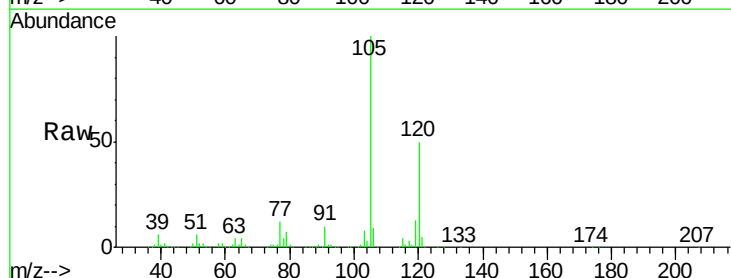
Acq: 1 Feb 2019 16:28

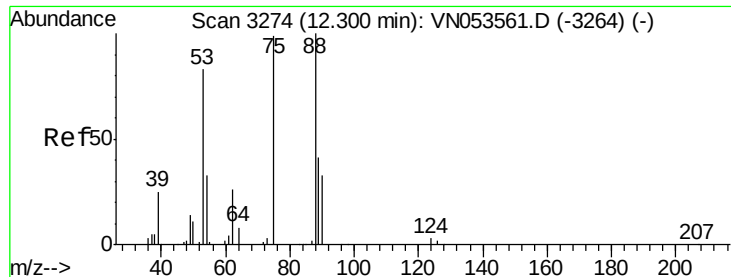
Tgt Ion: 105 Resp: 522593

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 17.935 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

VN0201WBSD01

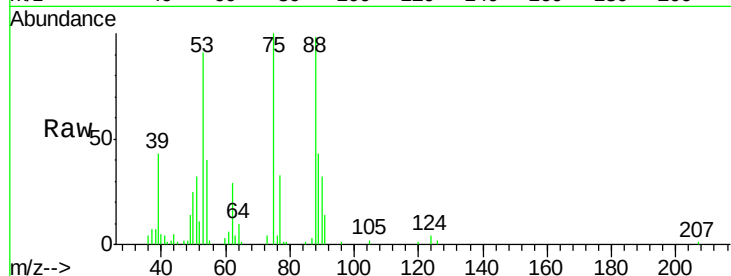
Tot Ion: 75 Resp: 35716

Ion Ratio Lower Upper

75 100

53 92.3 69.8 104.6

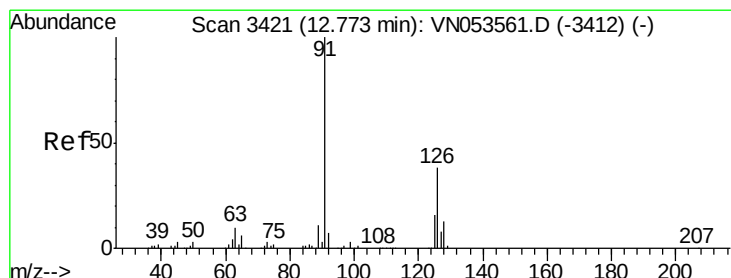
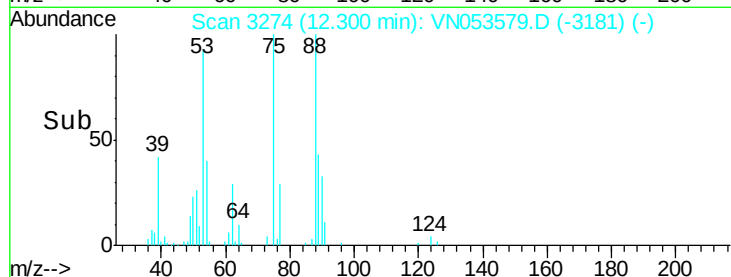
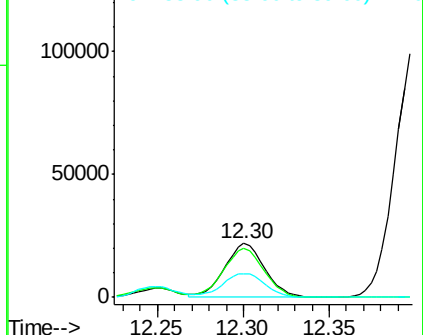
89 45.1 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.538 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053579.D

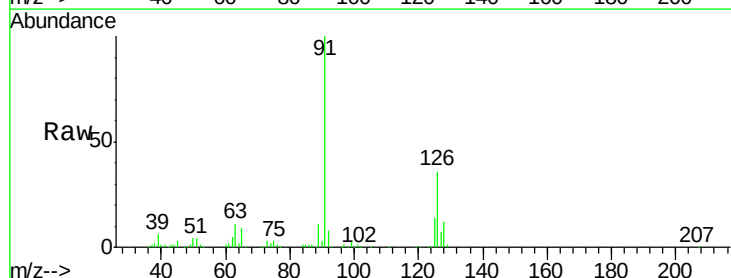
Acq: 1 Feb 2019 16:28

Tgt Ion: 91 Resp: 421426

Ion Ratio Lower Upper

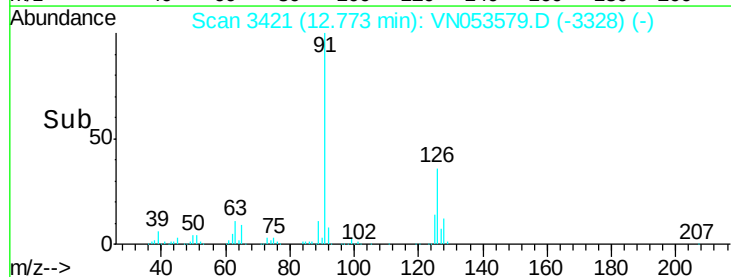
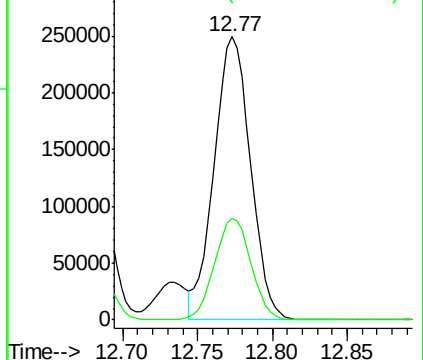
91 100

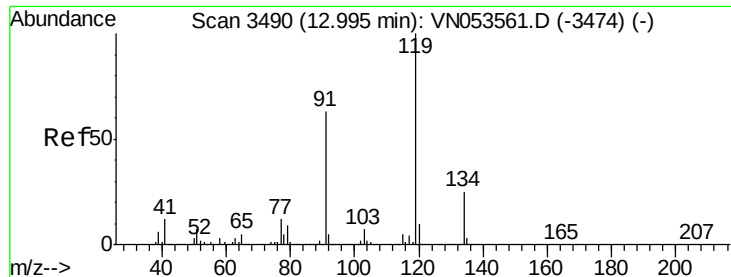
126 35.9 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

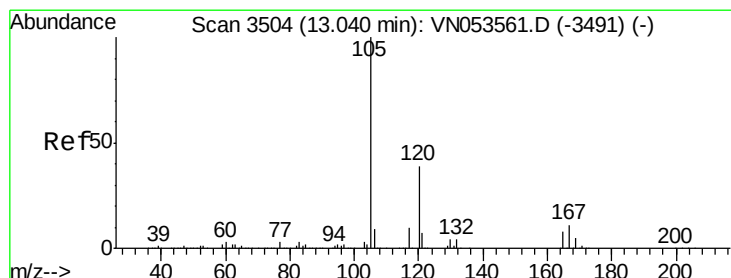
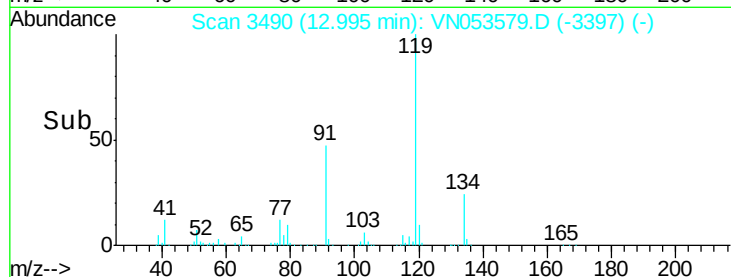
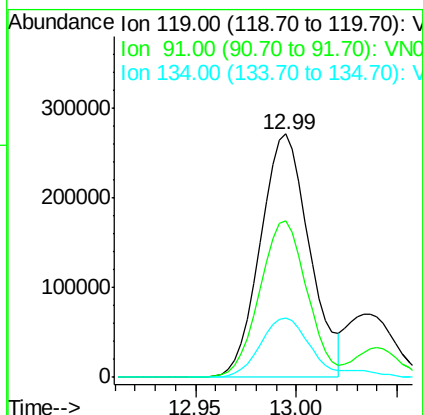
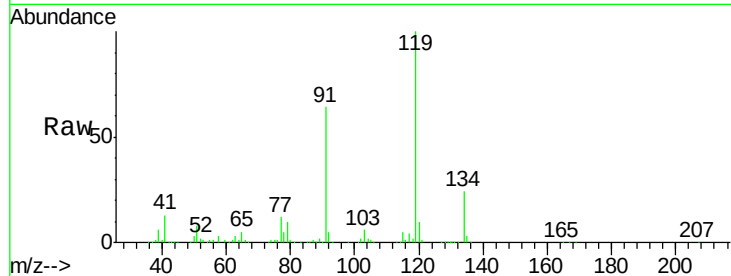




#83
 tert-Butylbenzene
 Concen: 20.447 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

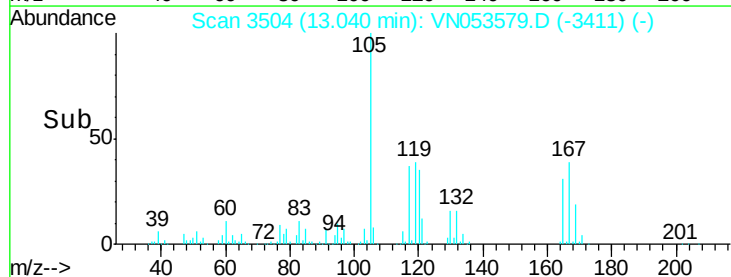
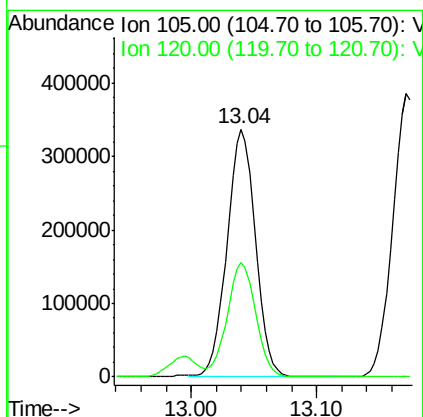
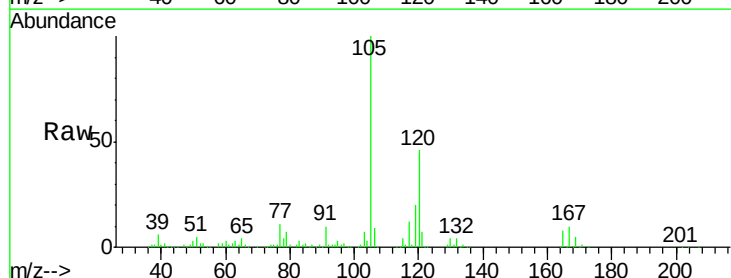
Instrument :
 MSVOA_N
 ClientSampled :
 VN0201WBSD01

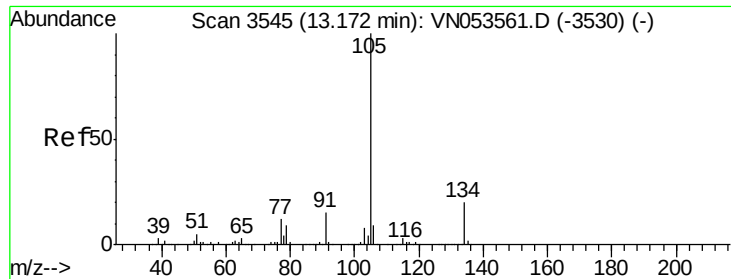
Tot Ion:119 Resp: 459284
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.3 93.8
 134 26.3 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.454 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion:105 Resp: 529612
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.223 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampled :

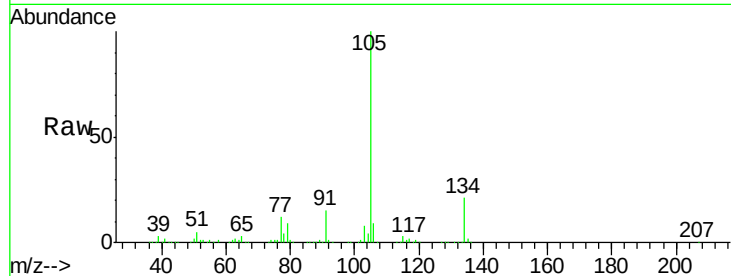
VN0201WBSD01

Tot Ion:105 Resp: 618171

Ion Ratio Lower Upper

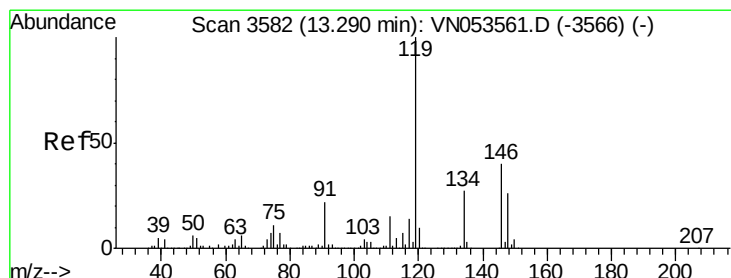
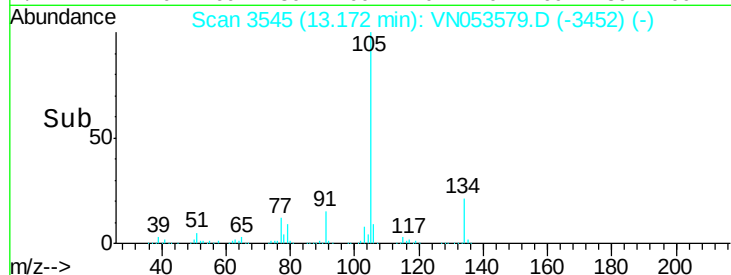
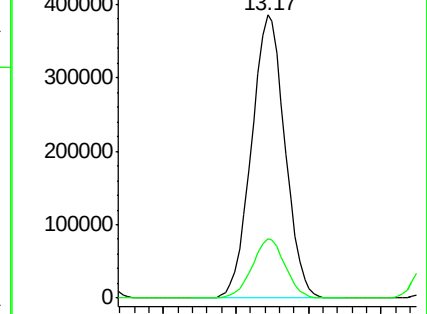
105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.143 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

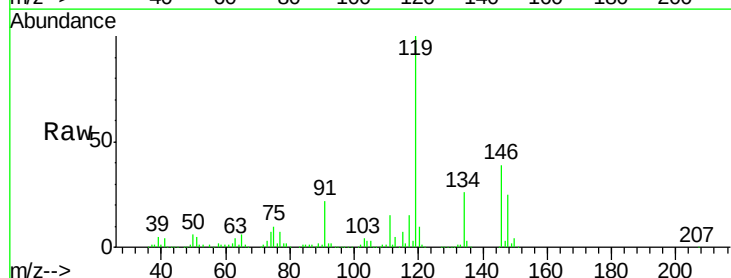
Tgt Ion:119 Resp: 538495

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

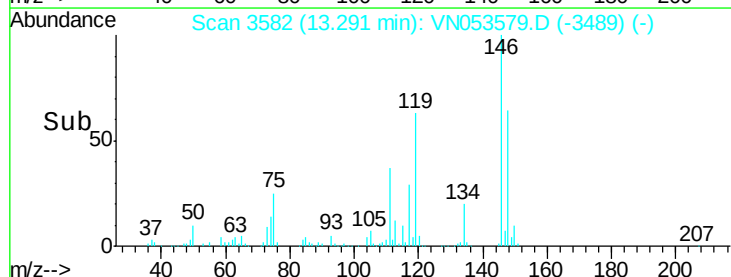
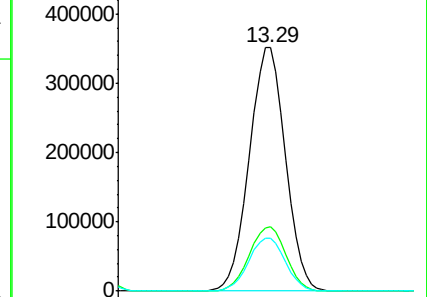
91 22.1 11.0 33.0

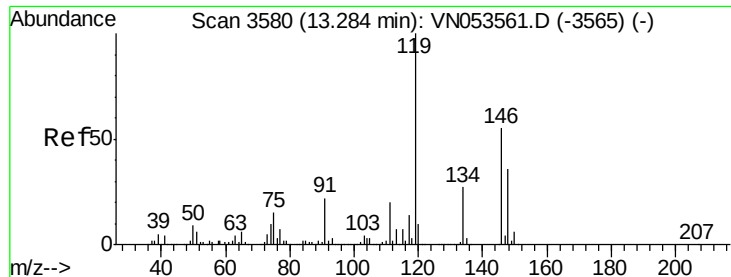


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.166 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

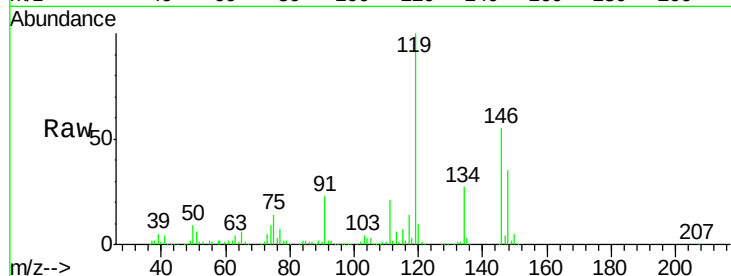
Tot Ion:146 Resp: 284582

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.3

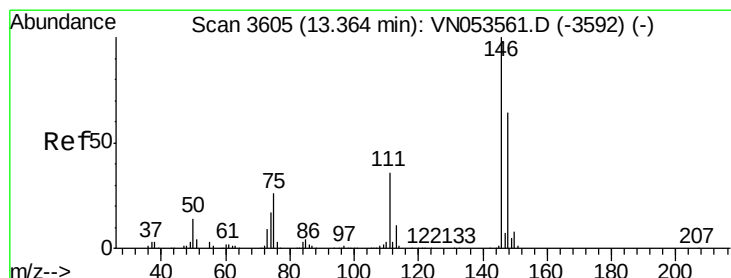
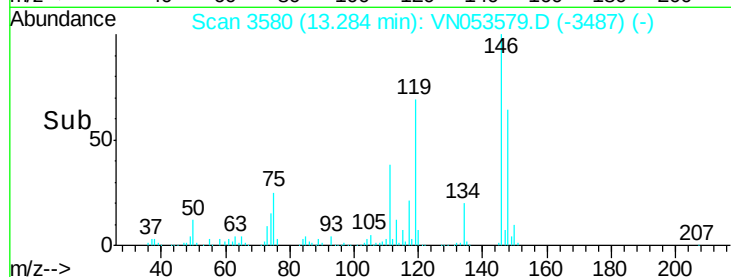
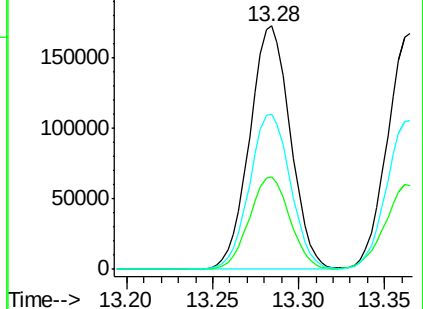
148 64.0 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.941 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

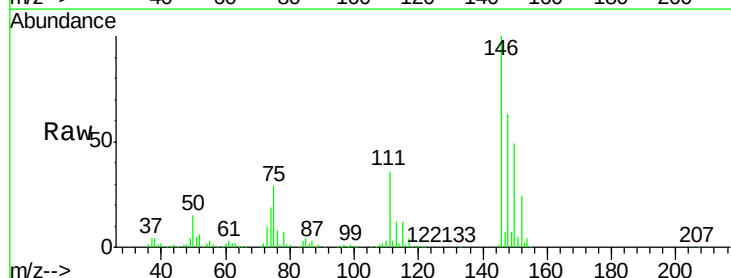
Tgt Ion:146 Resp: 278212

Ion Ratio Lower Upper

146 100

111 37.5 18.6 55.8

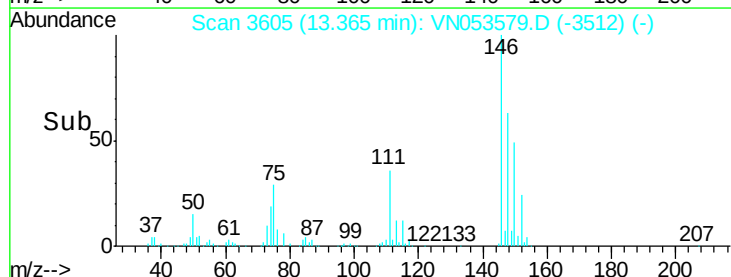
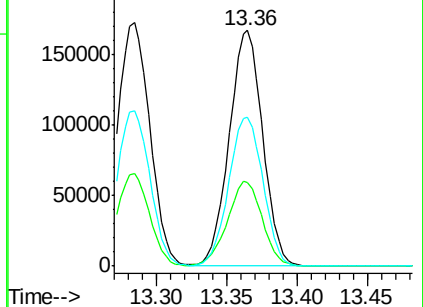
148 64.9 32.4 97.0

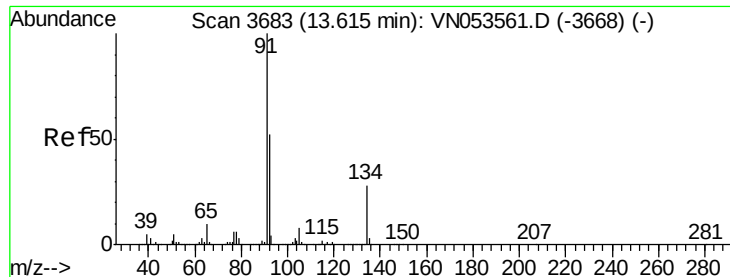


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.342 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

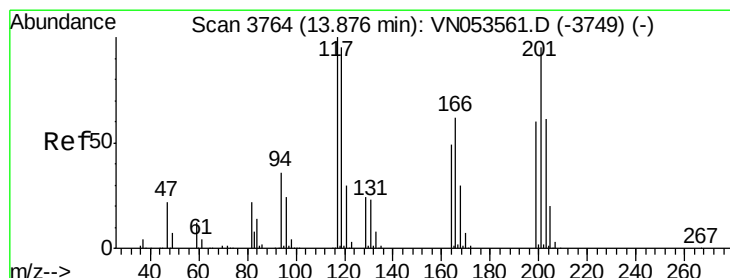
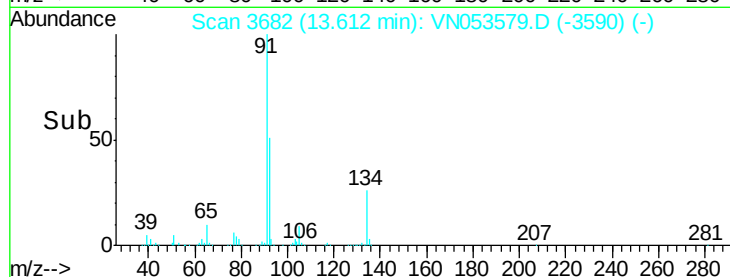
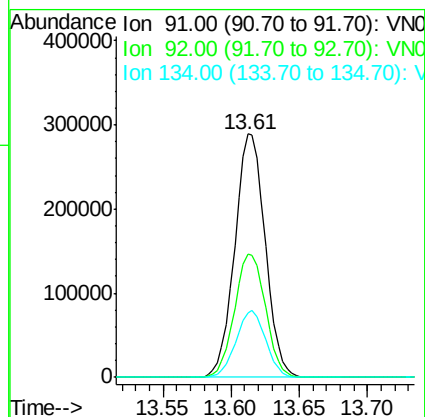
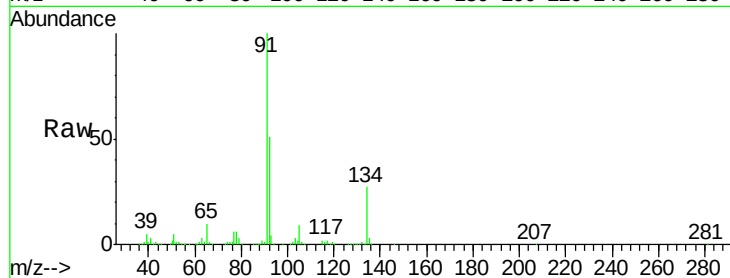
Tot Ion: 91 Resp: 447566

Ion Ratio Lower Upper

91 100

92 51.6 26.3 78.8

134 26.9 13.5 40.5



#90

Hexachloroethane

Concen: 19.657 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN053579.D

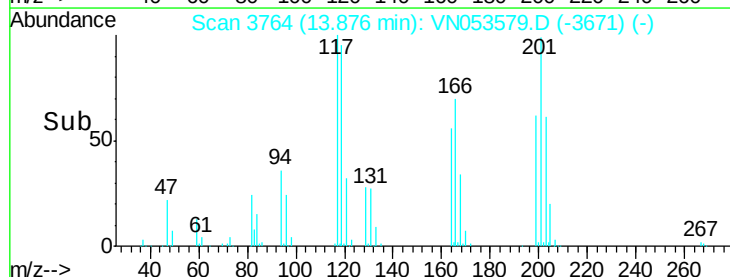
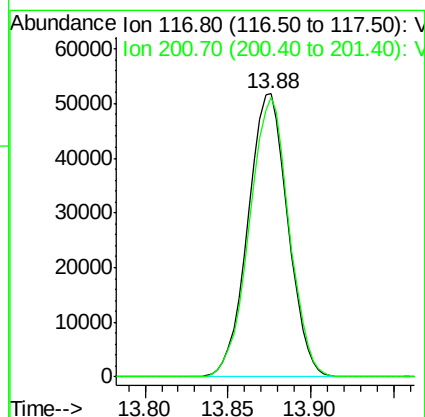
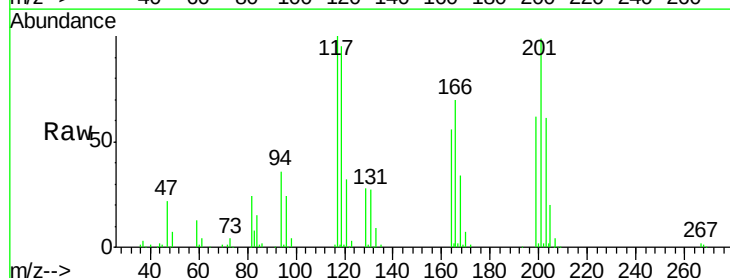
Acq: 1 Feb 2019 16:28

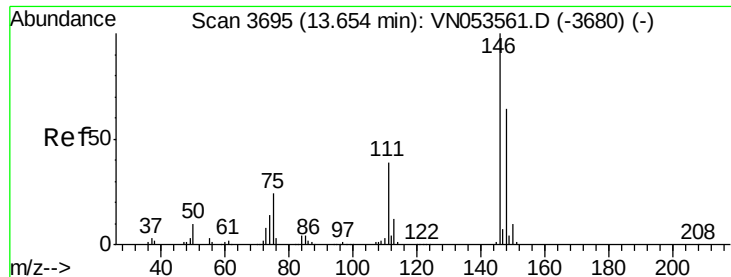
Tgt Ion: 117 Resp: 86681

Ion Ratio Lower Upper

117 100

201 97.9 46.8 140.4

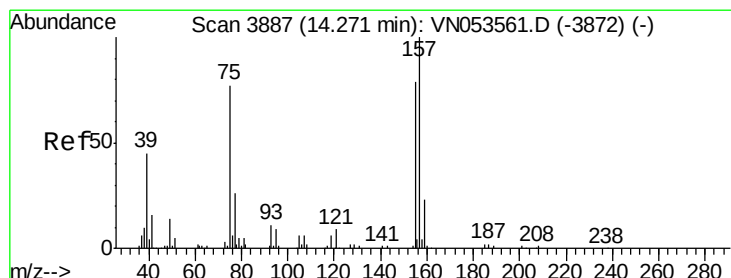
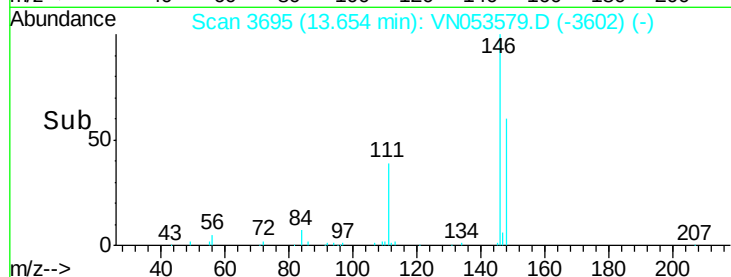
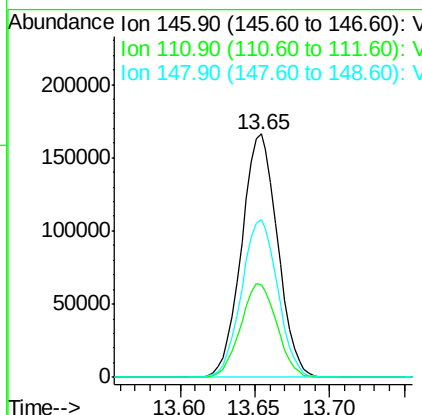
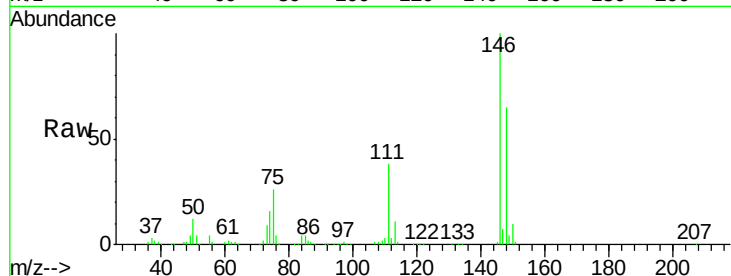




#91
 1,2-Dichlorobenzene
 Concen: 19.599 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

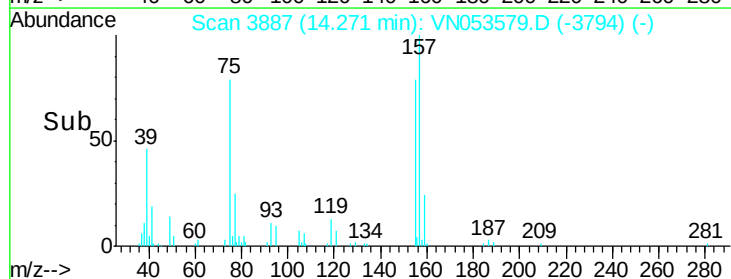
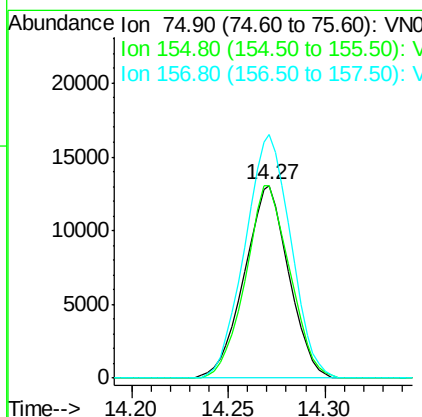
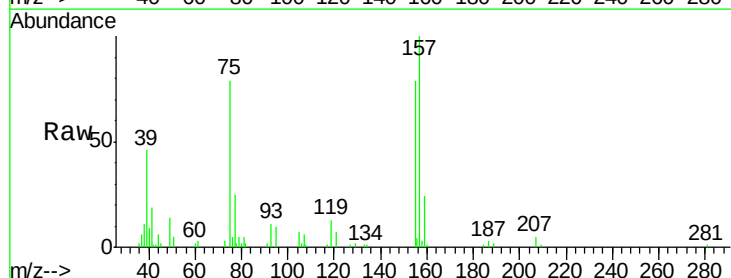
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

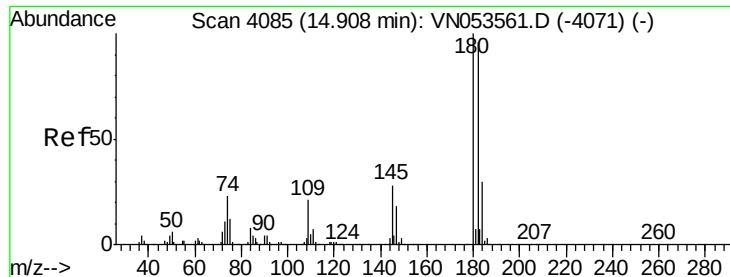
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.5	58.5
148	64.9	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.978 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.5	48.9	146.7
157	130.4	63.7	191.3

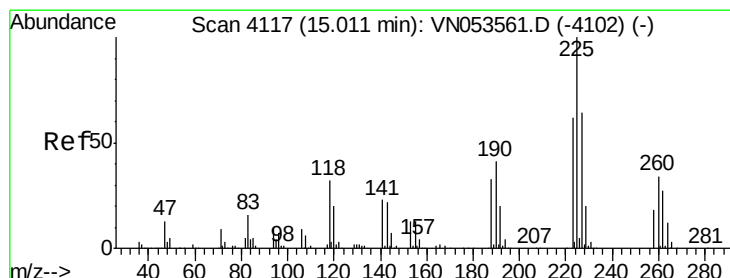
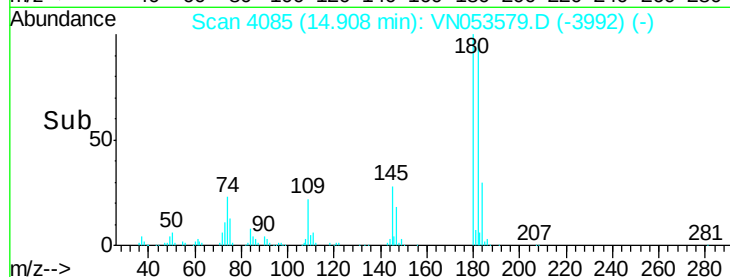
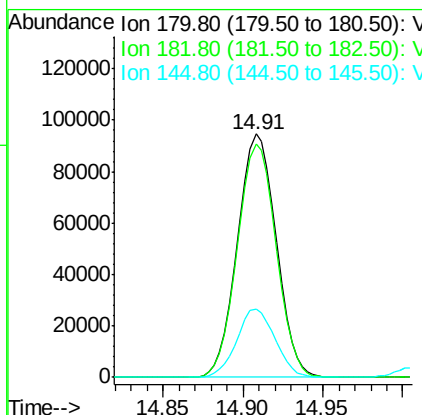
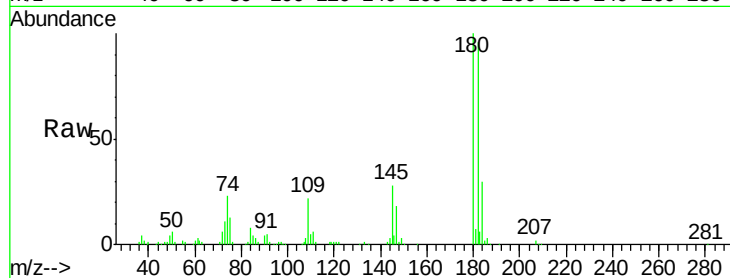




#93
 1,2,4-Trichlorobenzene
 Concen: 19.162 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

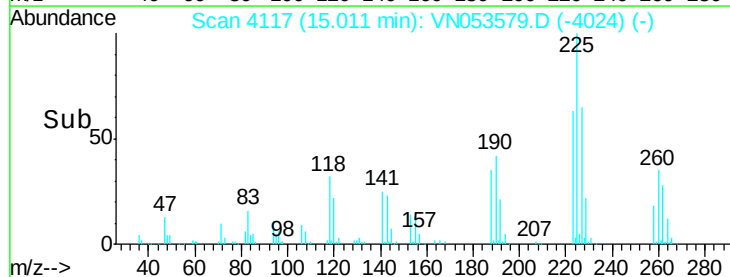
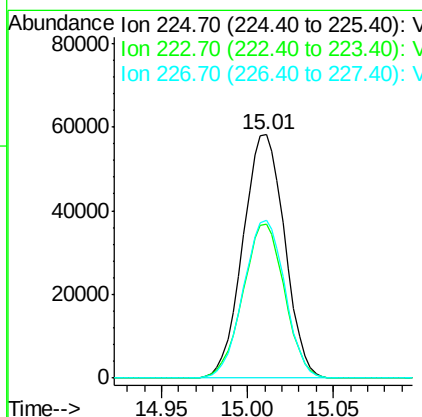
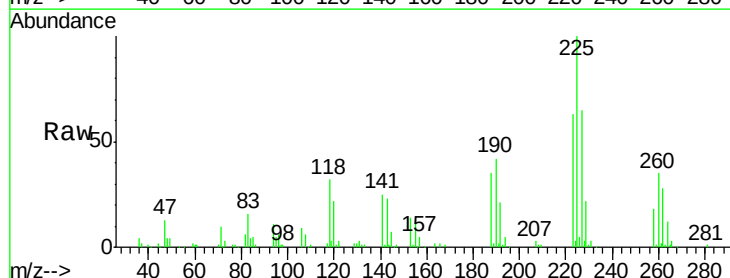
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0201WBSD01

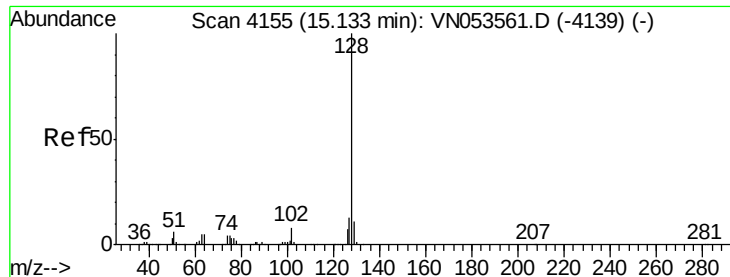
Tot Ion:180 Resp: 156223
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 19.294 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053579.D
 Acq: 1 Feb 2019 16:28

Tgt Ion:225 Resp: 97961
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.1 93.2
 227 64.5 32.0 96.2





#95

Naphthalene

Concen: 18.505 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

Instrument :

MSVOA_N

ClientSampleId :

VN0201WBSD01

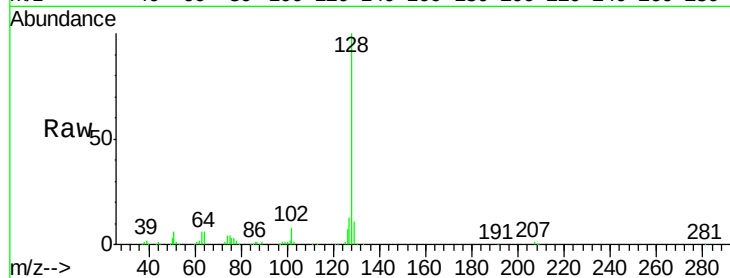
Tot Ion:128 Resp: 332702

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

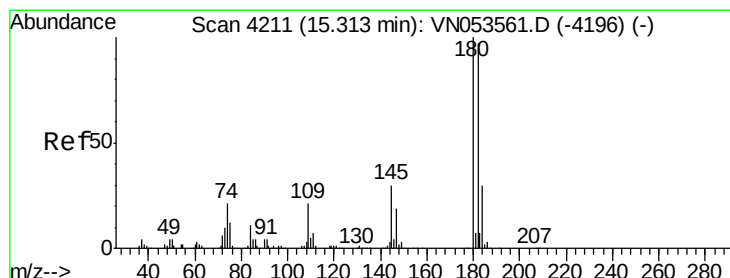
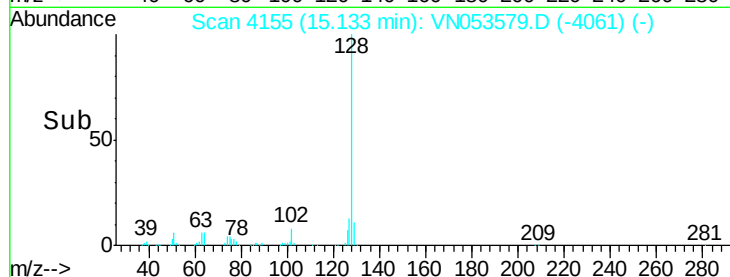
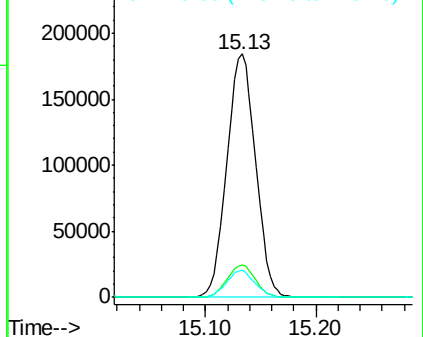
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.775 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053579.D

Acq: 1 Feb 2019 16:28

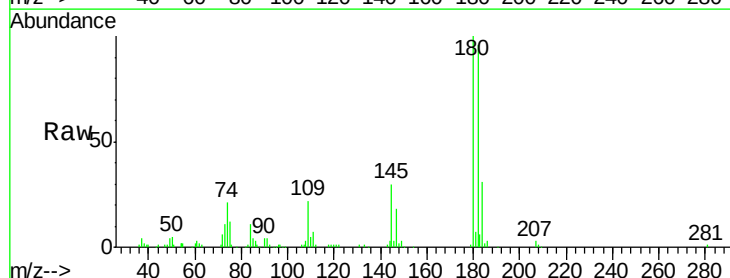
Tgt Ion:180 Resp: 149597

Ion Ratio Lower Upper

180 100

182 94.0 47.9 143.8

145 29.1 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

