

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053321.D
 Acq On : 9 Jan 2019 10:47
 Operator : MD\SY
 Sample : VN0109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Quant Time: Jan 10 03:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1030651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1536552	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1369610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	632761	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	511132	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
35) Dibromofluoromethane	7.59	113	434220	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.09	98	1853722	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
62) 4-Bromofluorobenzene	12.40	95	643423	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	174414	19.195	ug/l	100
3) Chloromethane	2.06	50	225253	17.752	ug/l	99
4) Vinyl Chloride	2.19	62	226340	18.689	ug/l	99
5) Bromomethane	2.57	94	151264	19.114	ug/l	97
6) Chloroethane	2.71	64	132432	18.116	ug/l	100
7) Trichlorofluoromethane	3.02	101	300000	19.124	ug/l	99
8) Diethyl Ether	3.41	74	116512	18.949	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	190029	19.114	ug/l	98
10) Methyl Iodide	3.96	142	266455	19.120	ug/l	99
11) Tert butyl alcohol	4.78	59	58609	90.875	ug/l	99
12) 1,1-Dichloroethene	3.74	96	183192	19.049	ug/l	99
13) Acrolein	3.61	56	64315	79.313	ug/l	97
14) Allyl chloride	4.33	41	299020	19.292	ug/l	95
15) Acrylonitrile	4.99	53	352017	91.432	ug/l	99
16) Acetone	3.82	43	266077	101.780	ug/l	98
17) Carbon Disulfide	4.06	76	528198	17.815	ug/l	99
18) Methyl Acetate	4.33	43	164344	16.935	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	516254	19.128	ug/l	100
20) Methylene Chloride	4.55	84	210135	18.247	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	193153	18.706	ug/l	98
22) Diisopropyl ether	5.95	45	636702	19.068	ug/l	97
23) Vinyl Acetate	5.90	43	1975628	94.034	ug/l	99
24) 1,1-Dichloroethane	5.85	63	364887	18.947	ug/l	99
25) 2-Butanone	6.83	43	409515	93.091	ug/l	99
26) 2,2-Dichloropropane	6.83	77	267043	18.969	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	223426	18.948	ug/l	99
28) Bromochloromethane	7.20	49	173255	21.112	ug/l	99
29) Tetrahydrofuran	7.21	42	265209	91.357	ug/l	99
30) Chloroform	7.37	83	356154	18.789	ug/l	99
31) Cyclohexane	7.66	56	348999	18.950	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	298811	18.918	ug/l	100
36) 1,1-Dichloropropene	7.79	75	281753	19.642	ug/l	100
37) Ethyl Acetate	6.93	43	178282	19.081	ug/l	99
38) Carbon Tetrachloride	7.77	117	257638	19.459	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053321.D
 Acq On : 9 Jan 2019 10:47
 Operator : MD\SY
 Sample : VN0109WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Quant Time: Jan 10 03:04:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	322592	19.412	ug/l	99
40) Benzene	8.04	78	848680	19.368	ug/l	98
41) Methacrylonitrile	7.17	41	92731	15.986	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	249378	19.187	ug/l	99
43) Isopropyl Acetate	8.16	43	321468	17.489	ug/l	99
44) Trichloroethene	8.83	130	230871	19.189	ug/l	100
45) 1,2-Dichloropropane	9.12	63	223893	19.482	ug/l	99
46) Dibromomethane	9.21	93	128811	19.223	ug/l	99
47) Bromodichloromethane	9.40	83	271774	19.462	ug/l	99
48) Methyl methacrylate	9.20	41	155848	18.663	ug/l	98
49) 1,4-Dioxane	9.20	88	32467	364.914	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	888771	96.151	ug/l	100
52) Toluene	10.16	92	525423	19.546	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	275836	19.309	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	325596	19.724	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	190751	19.298	ug/l	100
56) Ethyl methacrylate	10.43	69	248422	19.340	ug/l	99
57) 1,3-Dichloropropane	10.71	76	319964	19.357	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	663425	95.536	ug/l	100
59) 2-Hexanone	10.75	43	612667	96.737	ug/l	100
60) Dibromochloromethane	10.90	129	204859	19.216	ug/l	100
61) 1,2-Dibromoethane	11.00	107	186449	19.115	ug/l	98
64) Tetrachloroethene	10.63	164	253004	19.627	ug/l	99
65) Chlorobenzene	11.43	112	578910	19.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	203475	19.539	ug/l	99
67) Ethyl Benzene	11.51	91	1000116	19.782	ug/l	100
68) m/p-Xylenes	11.62	106	758854	39.917	ug/l	100
69) o-Xylene	11.95	106	368535	19.801	ug/l	98
70) Styrene	11.96	104	612086	20.207	ug/l	98
71) Bromoform	12.13	173	141733	19.268	ug/l #	99
73) Isopropylbenzene	12.25	105	977029	20.739	ug/l	100
74) N-amyl acetate	12.07	43	273169	19.418	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	213662	19.716	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	283917	30.763	ug/l #	100
77) Bromobenzene	12.53	156	251543	20.006	ug/l	99
78) n-propylbenzene	12.59	91	1092791	20.507	ug/l	99
79) 2-Chlorotoluene	12.67	91	657622	20.395	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	785794	20.707	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	62688	19.984	ug/l	98
82) 4-Chlorotoluene	12.77	91	664883	20.109	ug/l	100
83) tert-Butylbenzene	12.99	119	675104	20.277	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	794832	20.560	ug/l	100
85) sec-Butylbenzene	13.17	105	894470	20.371	ug/l	100
86) p-Isopropyltoluene	13.29	119	773621	20.350	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436249	19.702	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	428024	19.487	ug/l	99
89) n-Butylbenzene	13.62	91	621579	19.502	ug/l	100
90) Hexachloroethane	13.87	117	116547	19.127	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	410807	19.807	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26912	20.474	ug/l	100

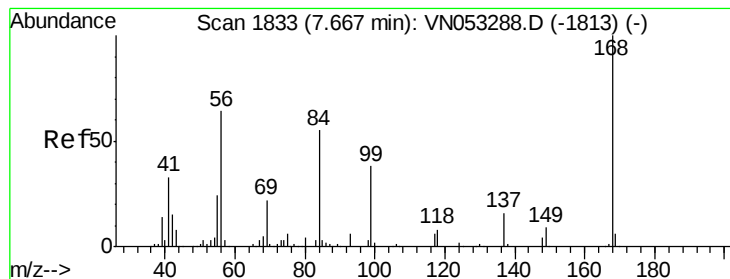
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
Data File : VN053321.D
Acq On : 9 Jan 2019 10:47
Operator : MD\SY
Sample : VN0109WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Quant Time: Jan 10 03:04:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	142106	21.791	ug/l	99
94) Hexachlorobutadiene	15.01	225	114668	21.497	ug/l	98
95) Naphthalene	15.13	128	252396	22.687	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96078	22.503	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: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

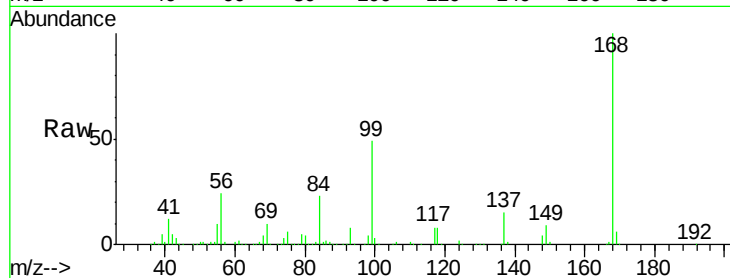
VN0109WBS01

Tot Ion:168 Resp: 1030651

Ion Ratio Lower Upper

168 100

99 49.0 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

400000

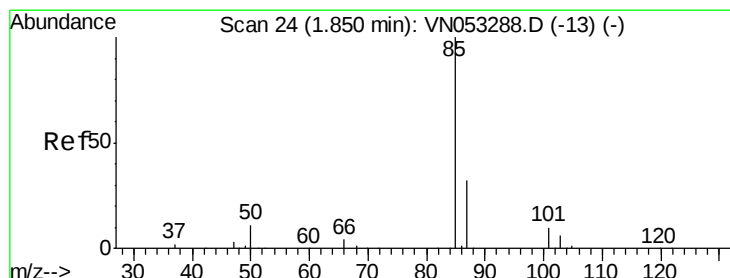
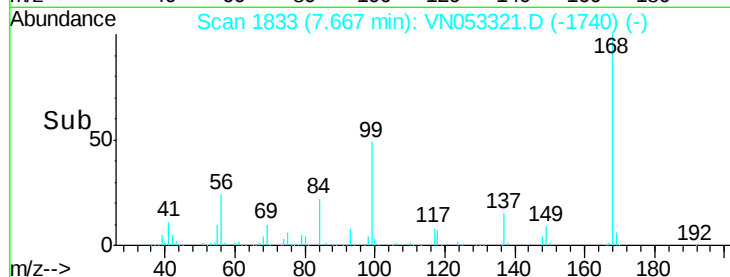
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.195 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053321.D

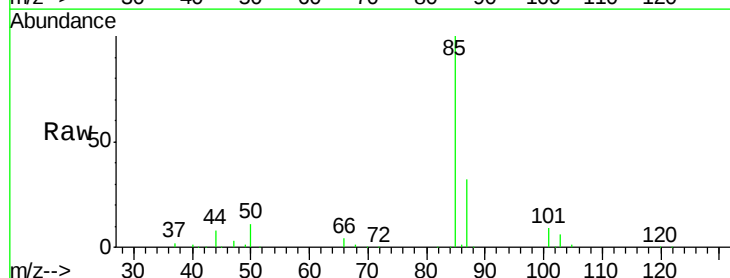
Acq: 9 Jan 2019 10:47

Tgt Ion: 85 Resp: 174414

Ion Ratio Lower Upper

85 100

87 31.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

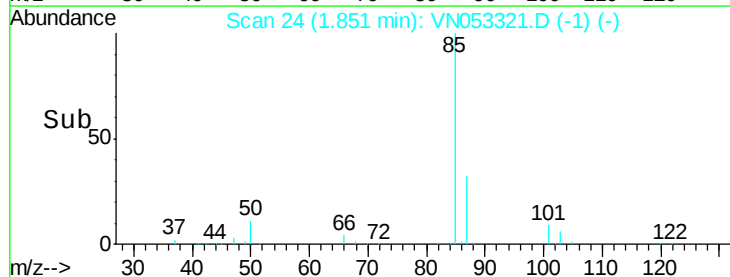
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 17.752 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

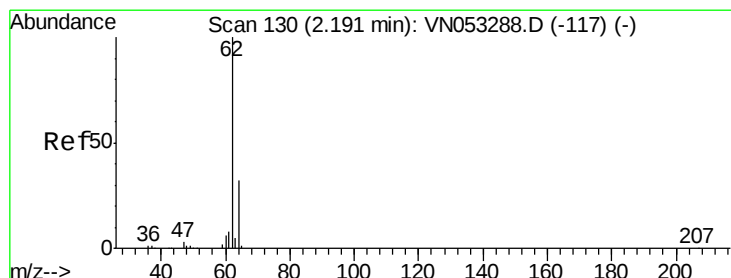
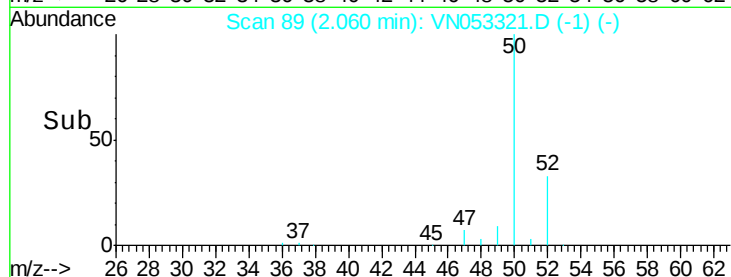
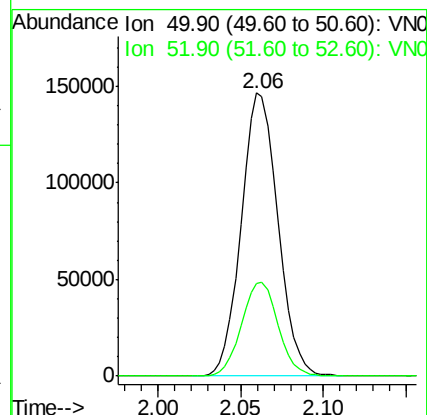
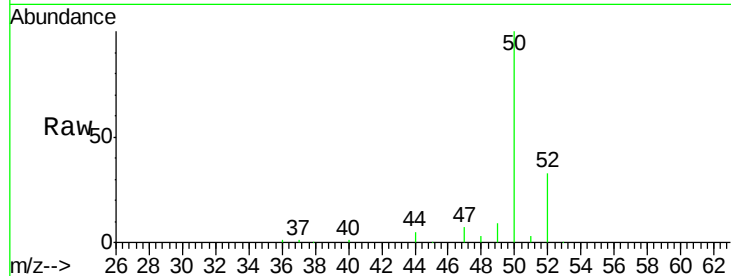
VN0109WBS01

Tot Ion: 50 Resp: 225253

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



#4

Vinyl Chloride

Concen: 18.689 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053321.D

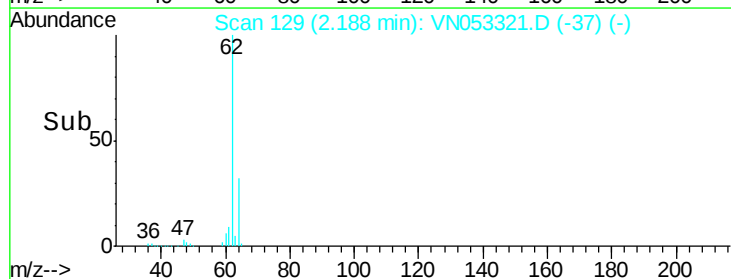
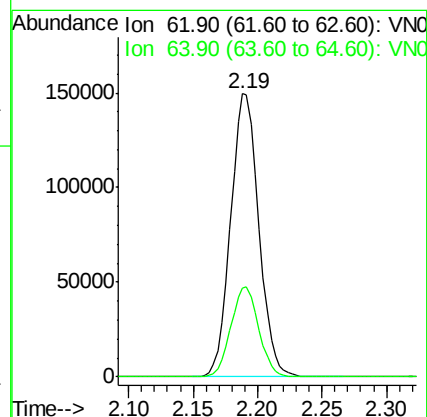
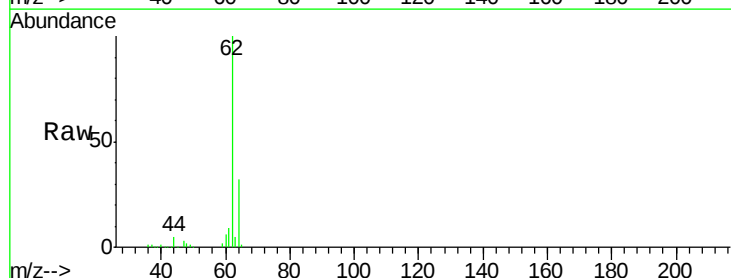
Acq: 9 Jan 2019 10:47

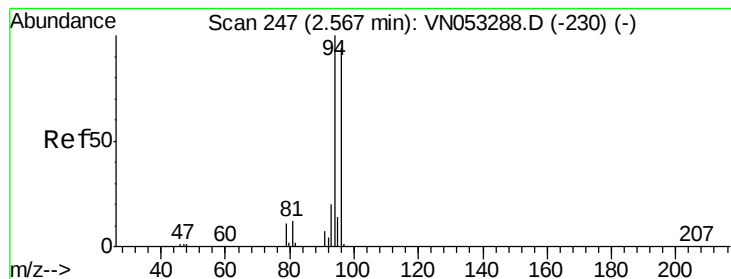
Tgt Ion: 62 Resp: 226340

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4





#5

Bromomethane

Concen: 19.114 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

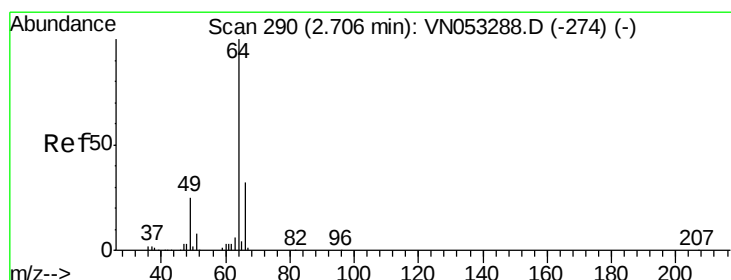
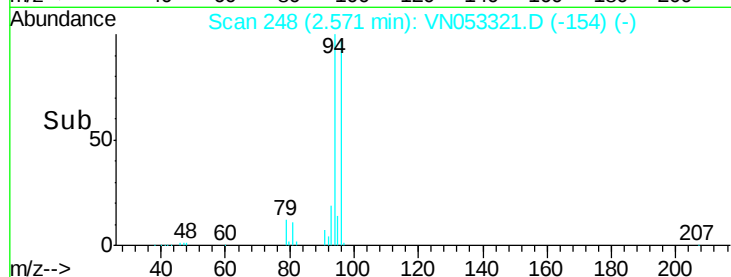
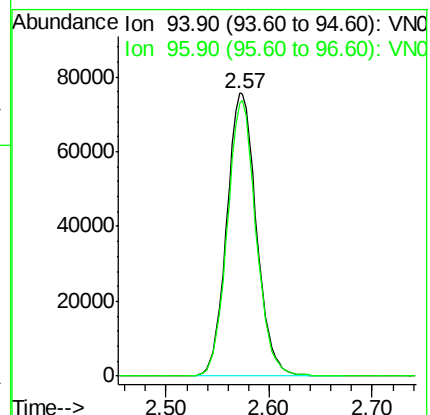
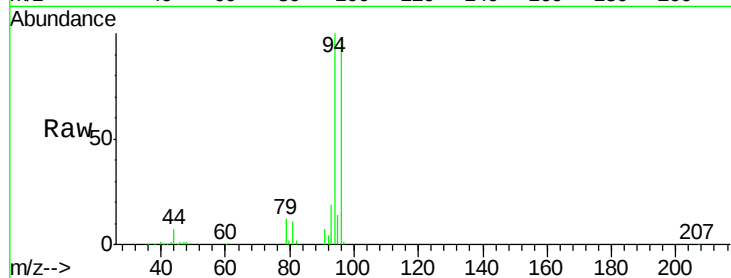
VN0109WBS01

Tot Ion: 94 Resp: 151264

Ion Ratio Lower Upper

94 100

96 96.6 74.9 112.3



#6

Chloroethane

Concen: 18.116 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053321.D

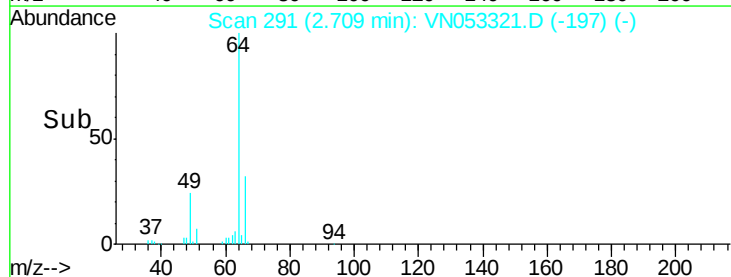
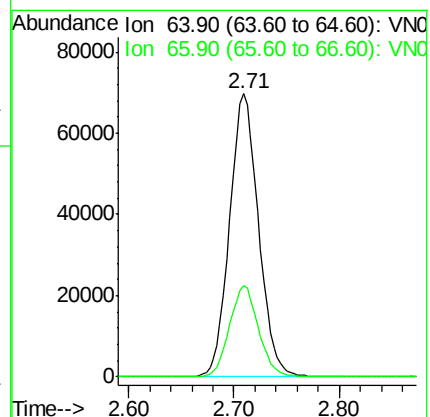
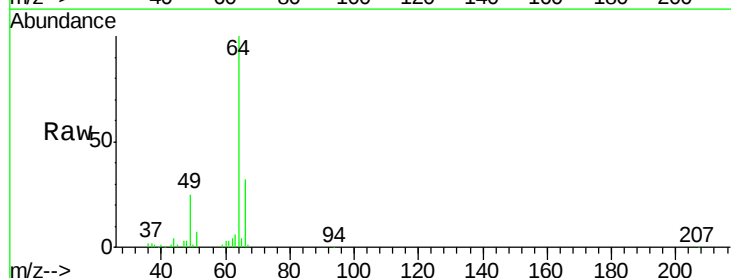
Acq: 9 Jan 2019 10:47

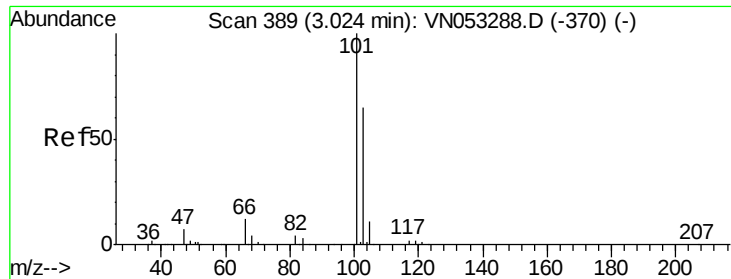
Tgt Ion: 64 Resp: 132432

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4



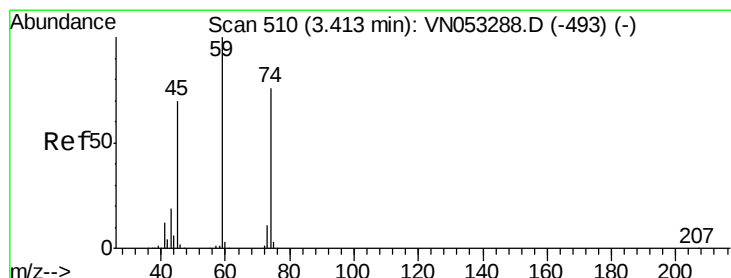
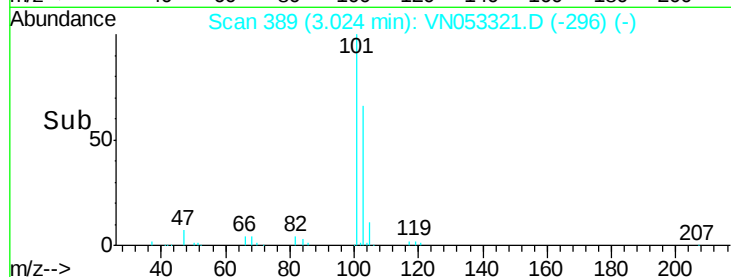
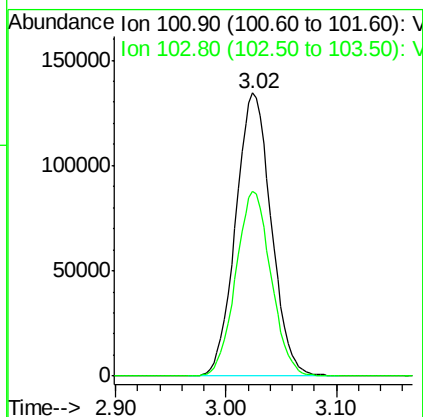
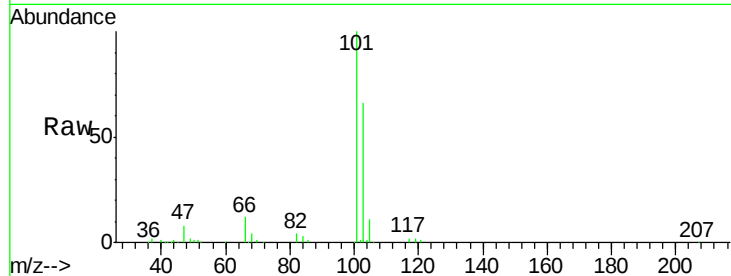


#7

Trichlorofluoromethane
 Concen: 19.124 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

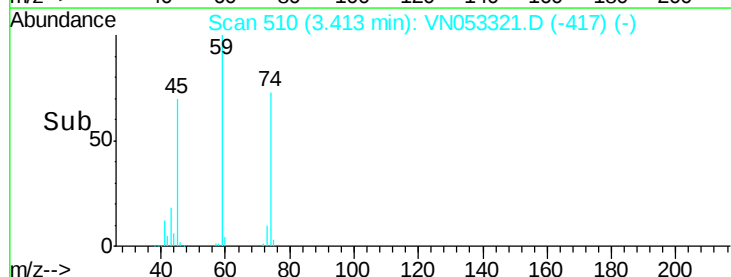
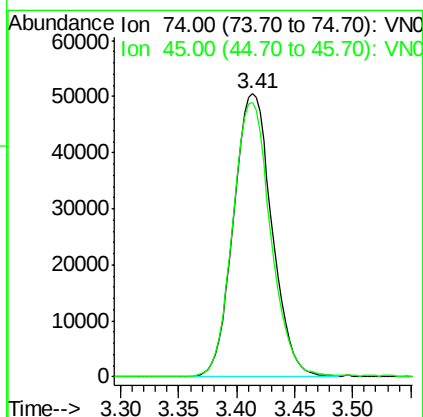
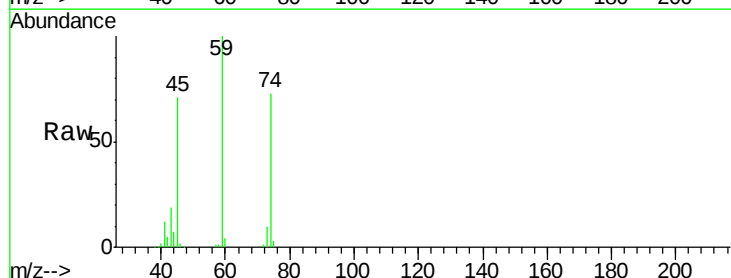
Tot Ion:101 Resp: 300000
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

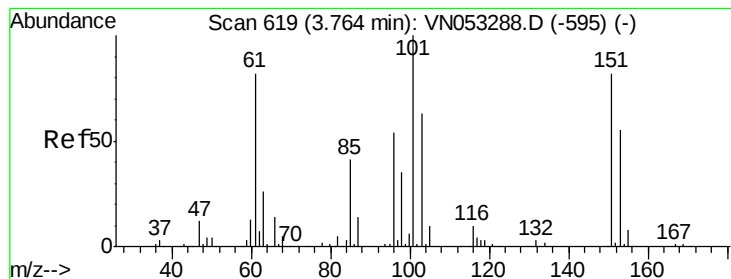


#8

Diethyl Ether
 Concen: 18.949 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 74 Resp: 116512
 Ion Ratio Lower Upper
 74 100
 45 95.8 48.3 144.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.114 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

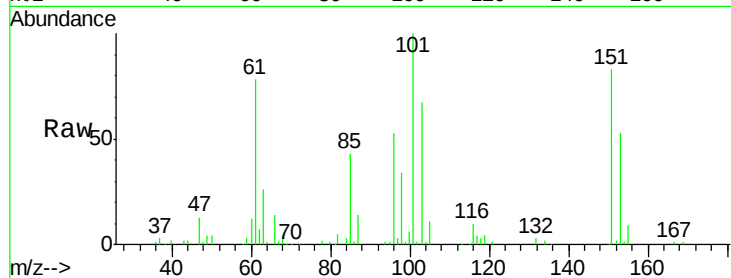
Tot Ion:101 Resp: 190029

Ion Ratio Lower Upper

101 100

85 42.3 33.3 49.9

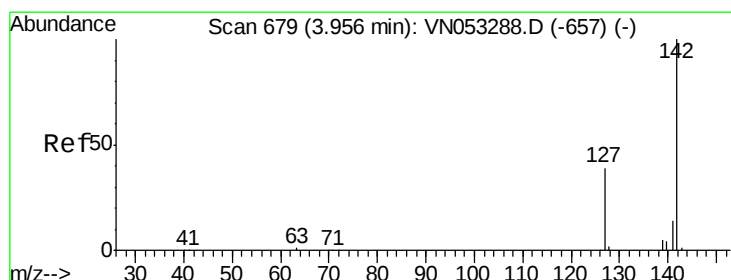
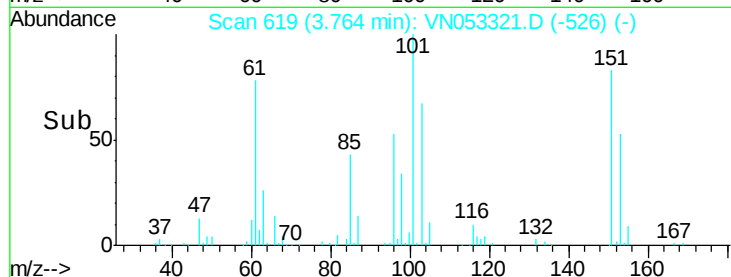
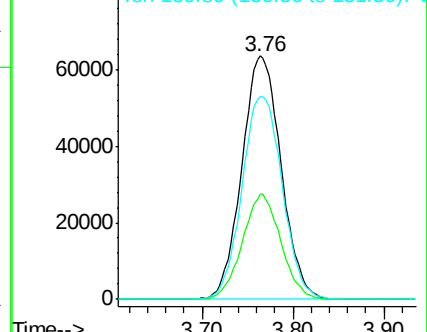
151 85.8 67.0 100.4



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: 19.120 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

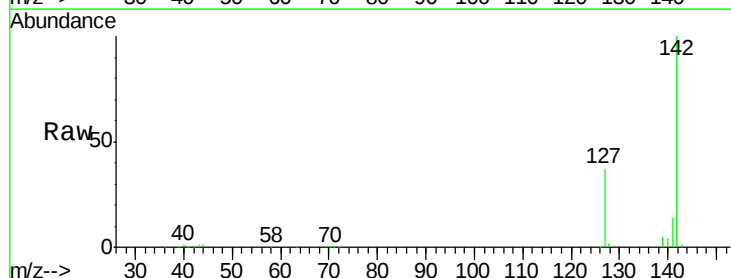
Tgt Ion:142 Resp: 266455

Ion Ratio Lower Upper

142 100

127 37.9 30.9 46.3

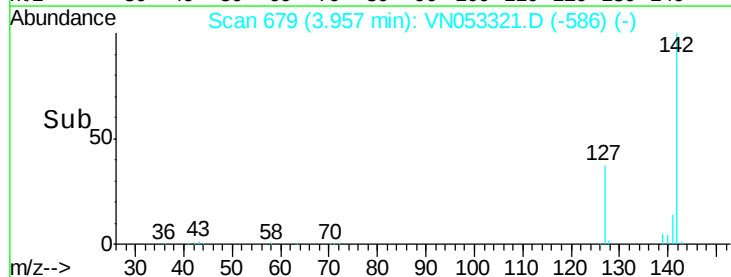
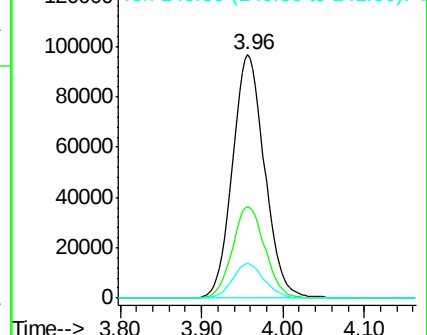
141 13.9 11.2 16.8

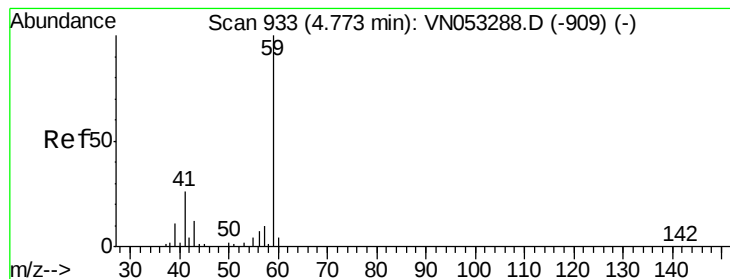


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



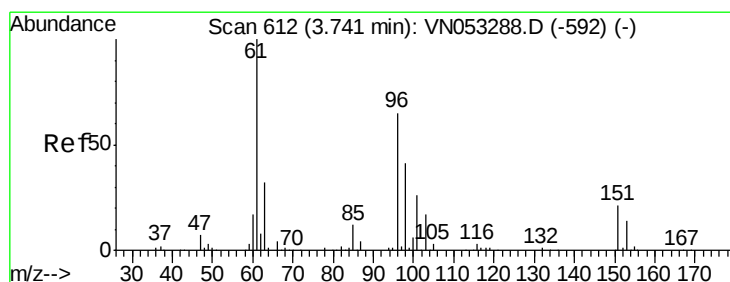
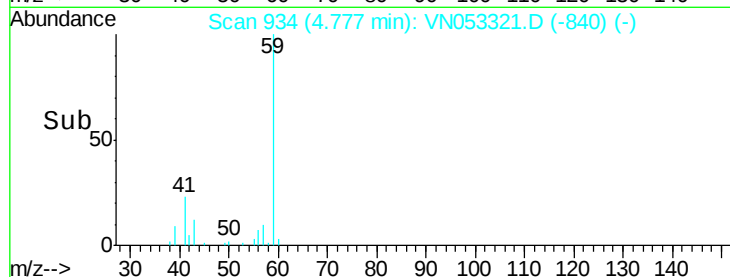
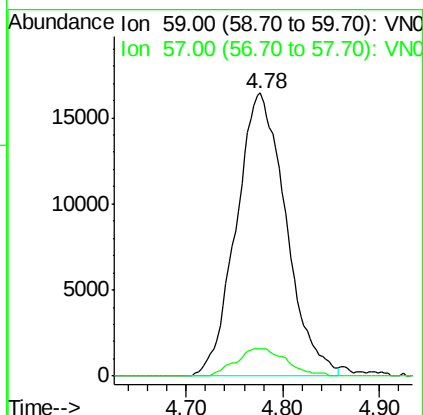
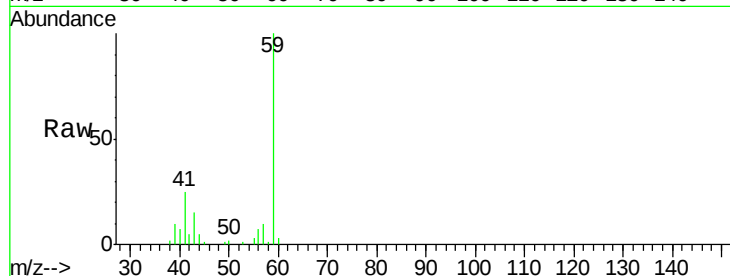


#11

Tert butyl alcohol
 Concen: 90.875 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

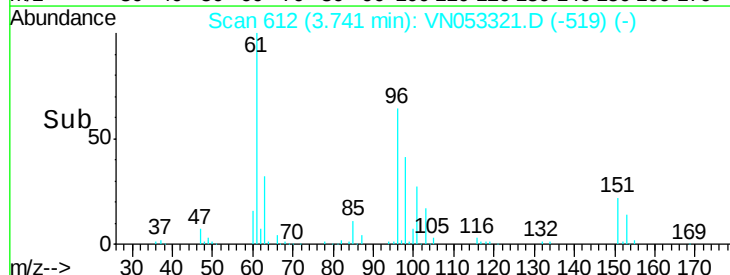
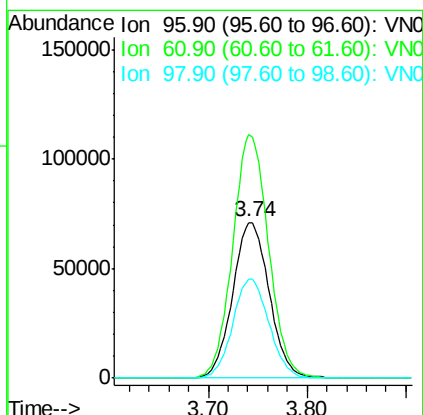
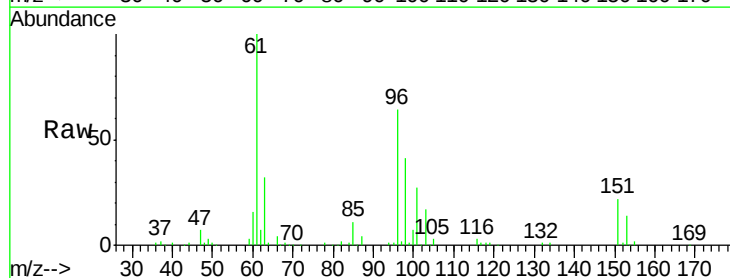
Tot Ion: 59 Resp: 58609
 Ion Ratio Lower Upper
 59 100
 57 9.8 8.0 12.0

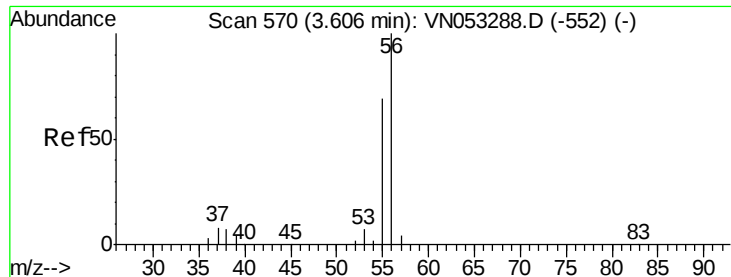


#12

1,1-Dichloroethene
 Concen: 19.049 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 96 Resp: 183192
 Ion Ratio Lower Upper
 96 100
 61 156.3 123.2 184.8
 98 63.6 50.5 75.7





#13

Acrolein

Concen: 79.313 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

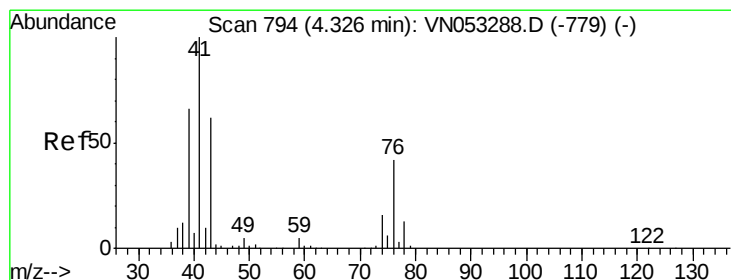
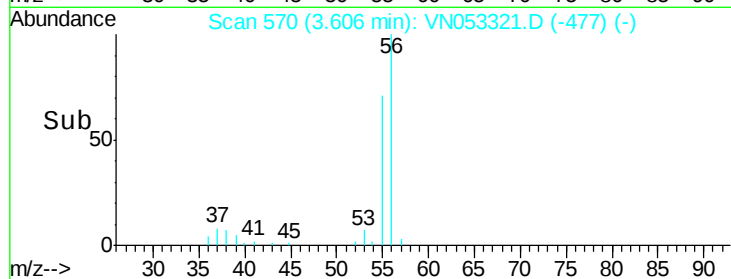
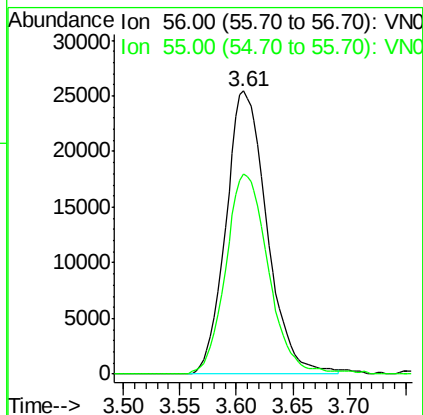
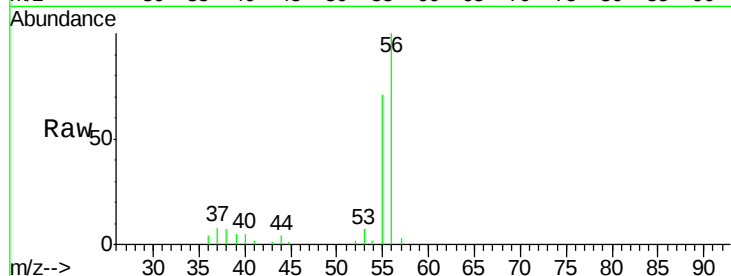
VN0109WBS01

Tot Ion: 56 Resp: 64315

Ion Ratio Lower Upper

56 100

55 72.9 56.3 84.5



#14

Allyl chloride

Concen: 19.292 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

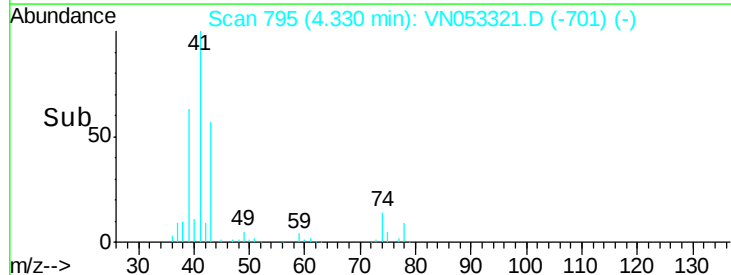
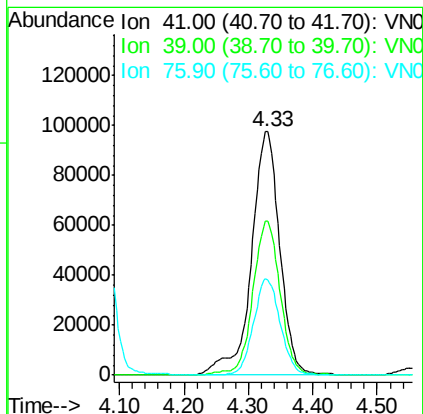
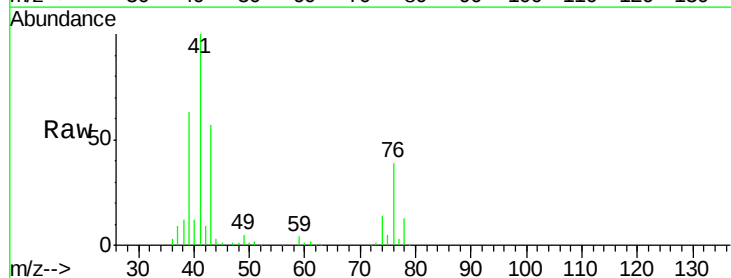
Tgt Ion: 41 Resp: 299020

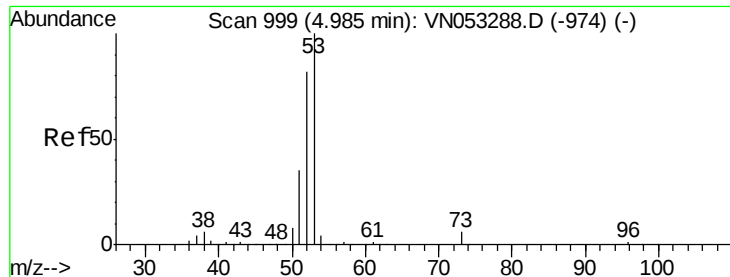
Ion Ratio Lower Upper

41 100

39 60.7 51.9 77.9

76 36.5 31.2 46.8





#15

Acrylonitrile

Concen: 91.432 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0109WBS01

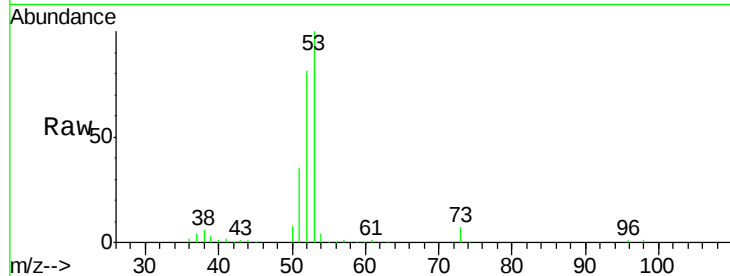
Tot Ion: 53 Resp: 352017

Ion Ratio Lower Upper

53 100

52 82.5 65.2 97.8

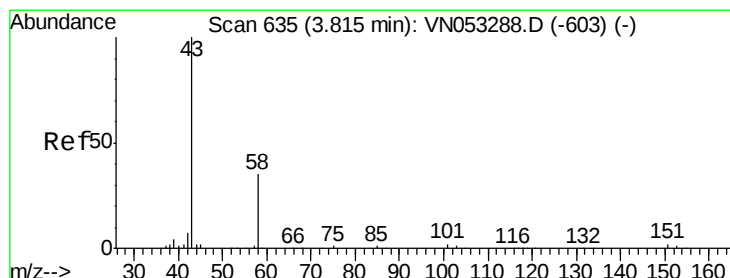
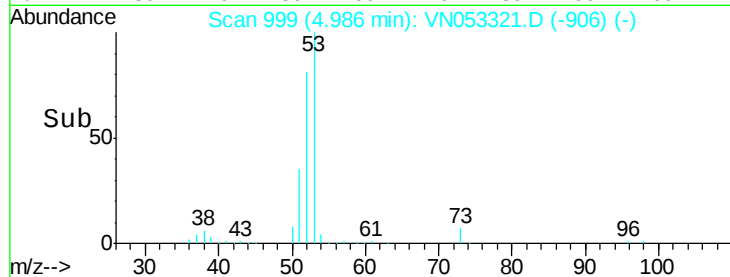
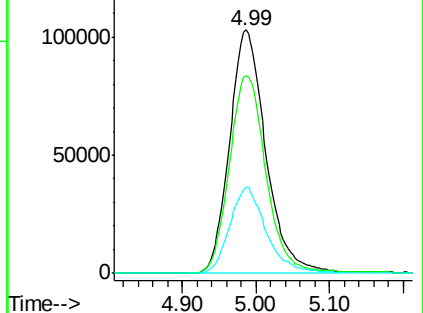
51 35.8 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 101.780 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053321.D

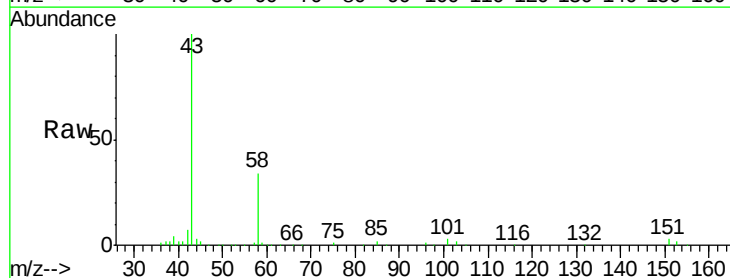
Acq: 9 Jan 2019 10:47

Tgt Ion: 43 Resp: 266077

Ion Ratio Lower Upper

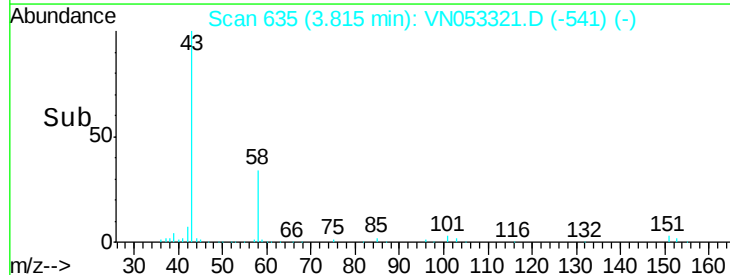
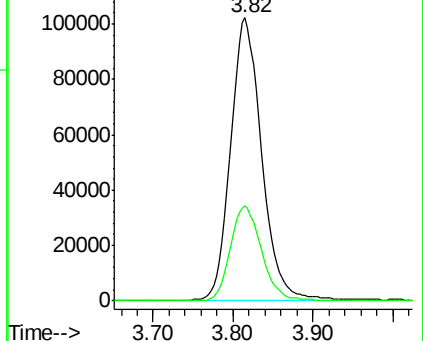
43 100

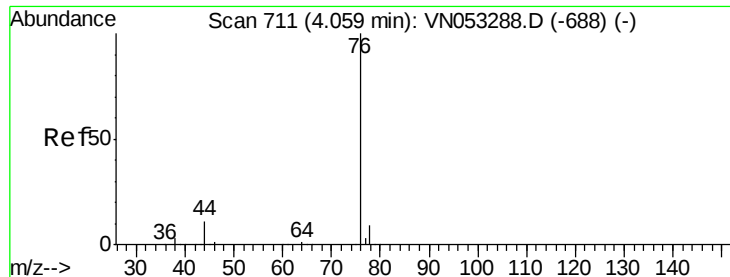
58 33.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

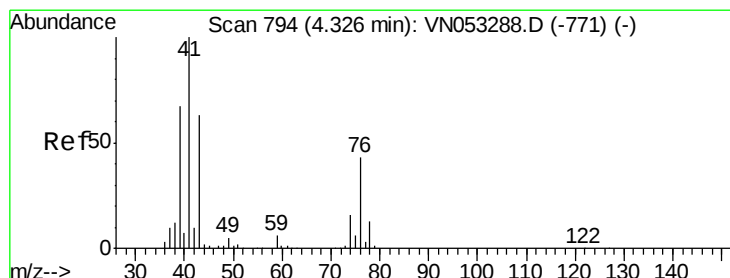
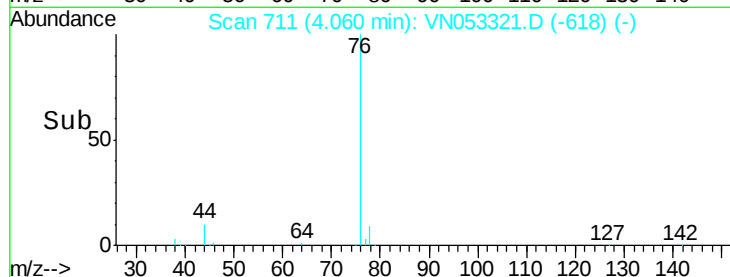
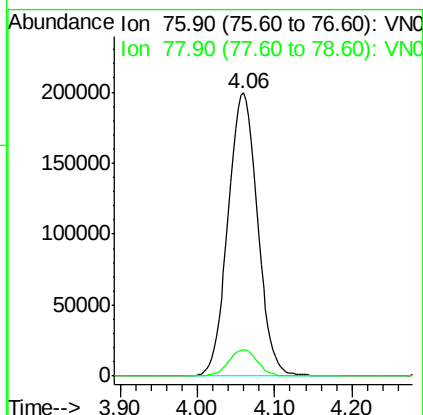
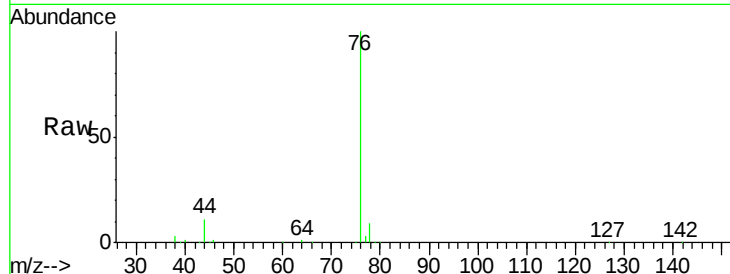




#17
Carbon Disulfide
Concen: 17.815 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

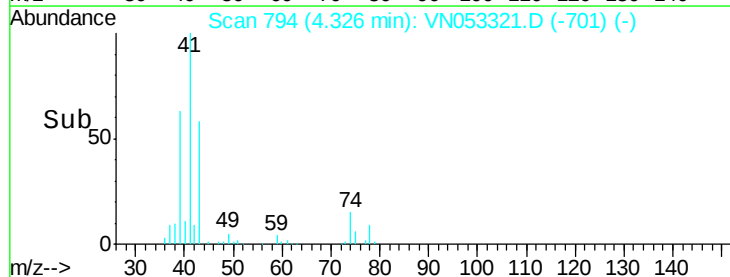
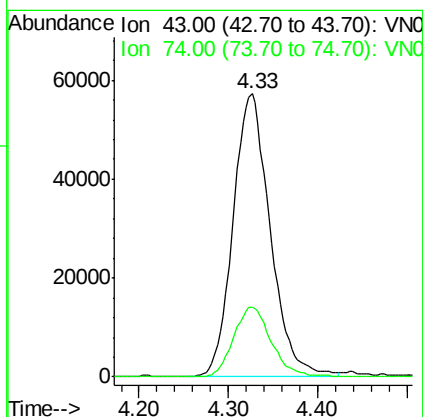
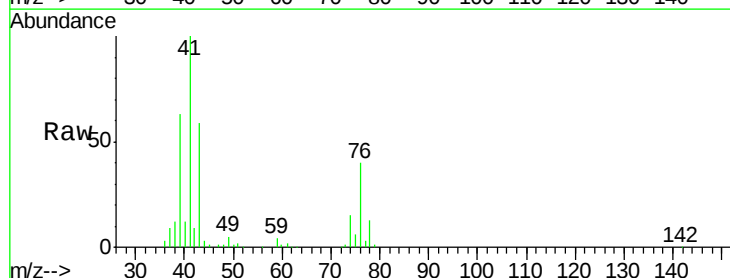
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

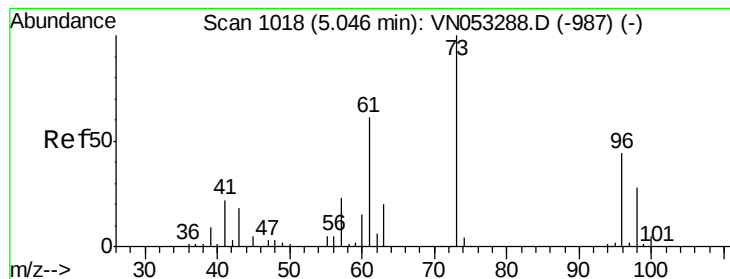
Tot Ion: 76 Resp: 528198
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 16.935 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 43 Resp: 164344
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8



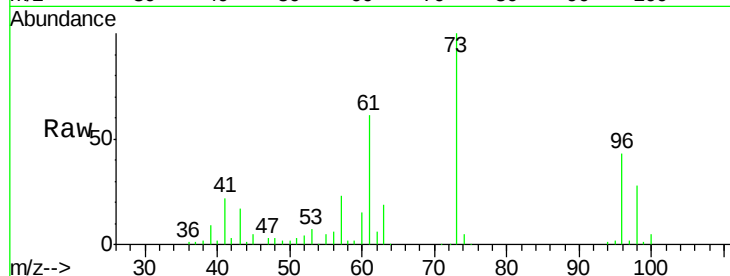


#19

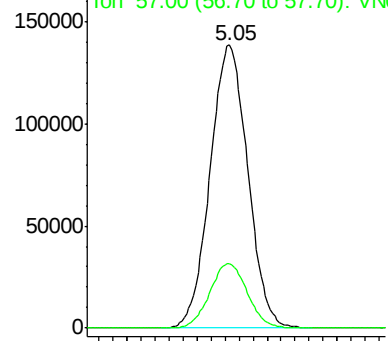
Methyl tert-butyl Ether
 Concen: 19.128 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

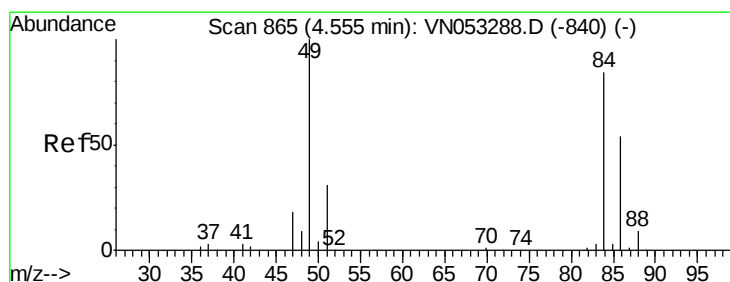
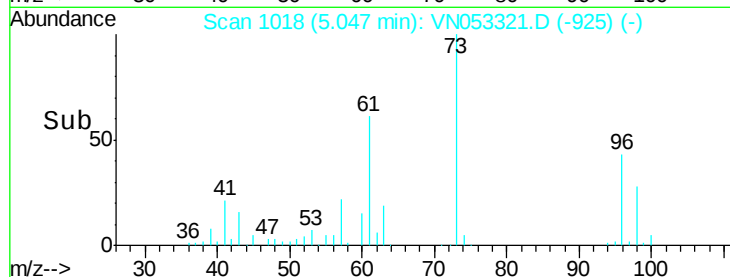
Tot Ion: 73 Resp: 516254
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VN053288.D (-987) (-)
 Ion 57.00 (56.70 to 57.70): VN053288.D (-987) (-)



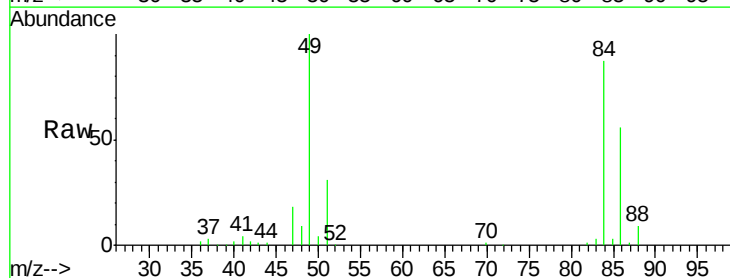
Time-->



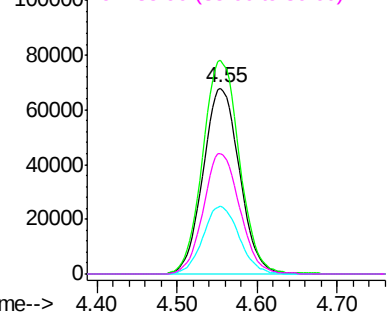
#20

Methylene Chloride
 Concen: 18.247 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

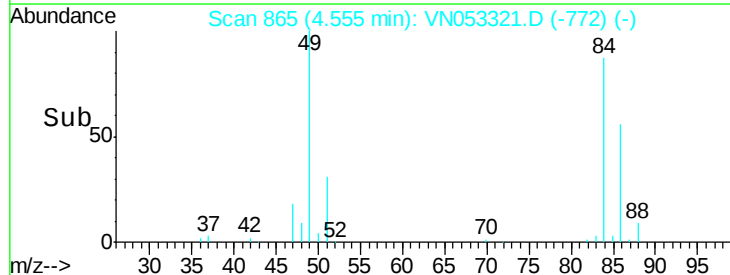
Tgt Ion: 84 Resp: 210135
 Ion Ratio Lower Upper
 84 100
 49 114.7 95.3 142.9
 51 36.1 29.0 43.6
 86 64.8 51.7 77.5

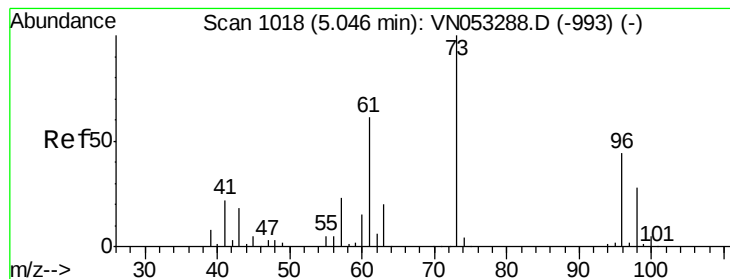


Abundance Ion 83.90 (83.60 to 84.60): VN053288.D (-840) (-)
 Ion 48.90 (48.60 to 49.60): VN053288.D (-840) (-)
 Ion 50.90 (50.60 to 51.60): VN053288.D (-840) (-)
 Ion 85.90 (85.60 to 86.60): VN053288.D (-840) (-)



Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.706 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

VN0109WBS01

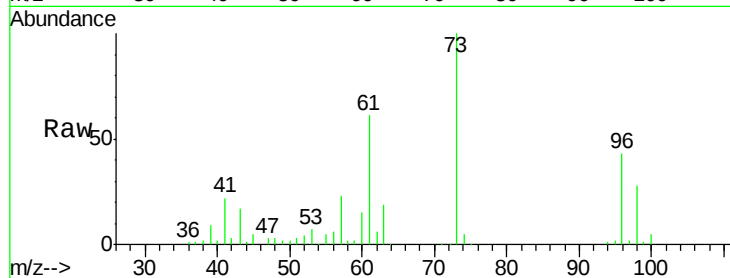
Tot Ion: 96 Resp: 193153

Ion Ratio Lower Upper

96 100

61 139.7 110.2 165.4

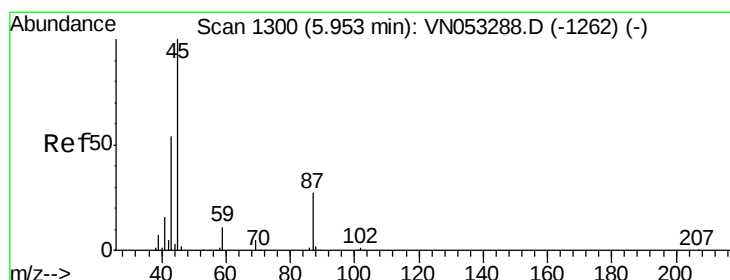
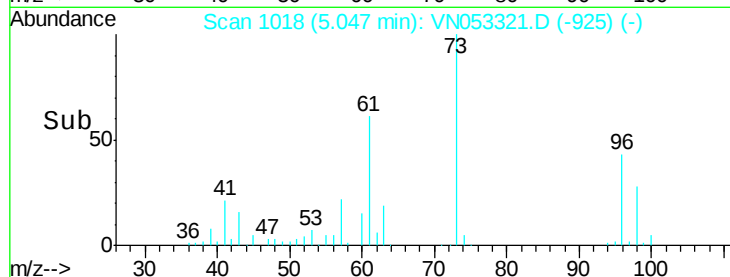
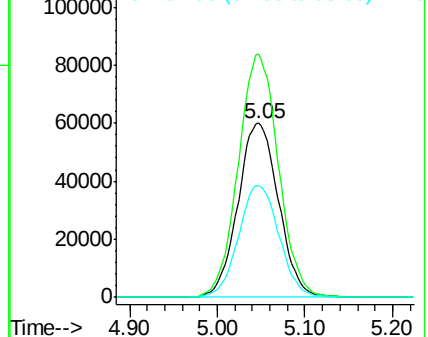
98 64.5 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.068 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion: 45 Resp: 636702

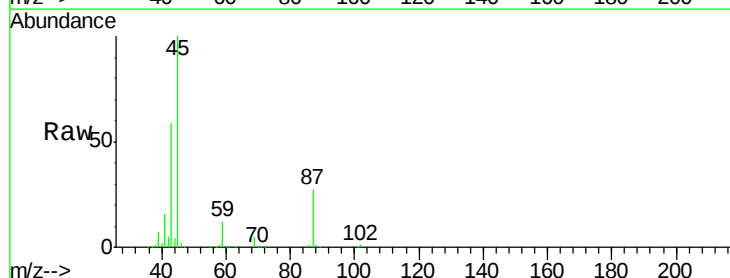
Ion Ratio Lower Upper

45 100

43 57.4 43.0 64.6

87 27.4 22.1 33.1

59 12.0 9.0 13.4

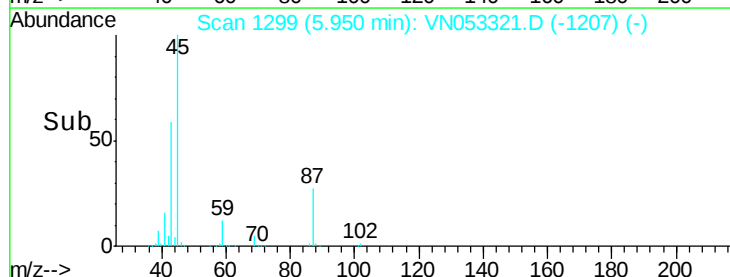
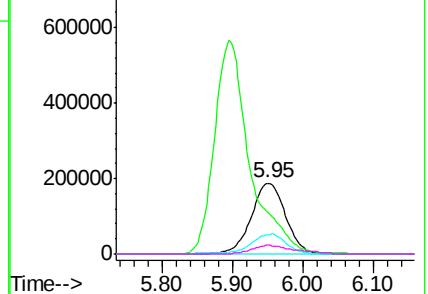


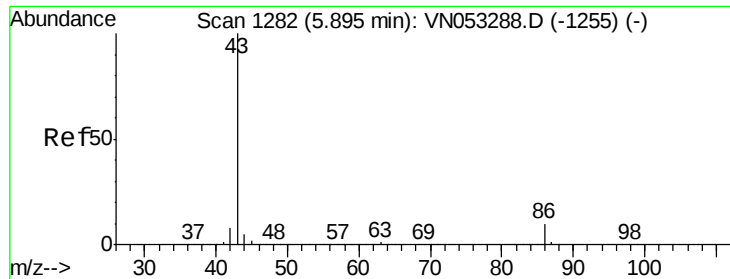
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

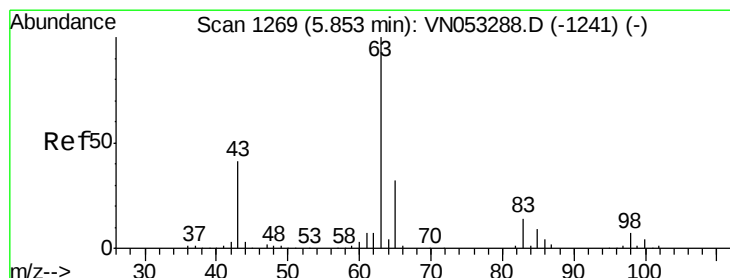
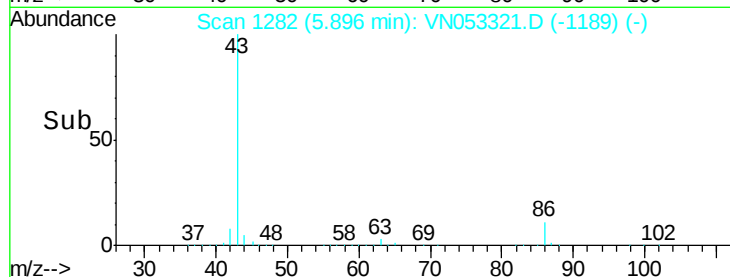
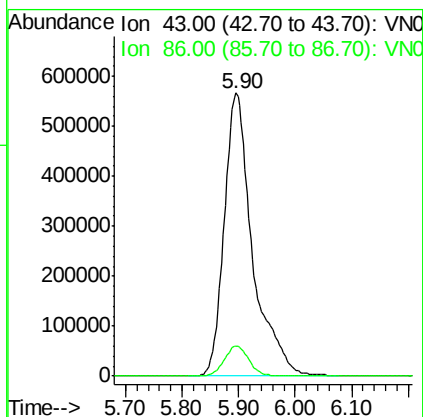
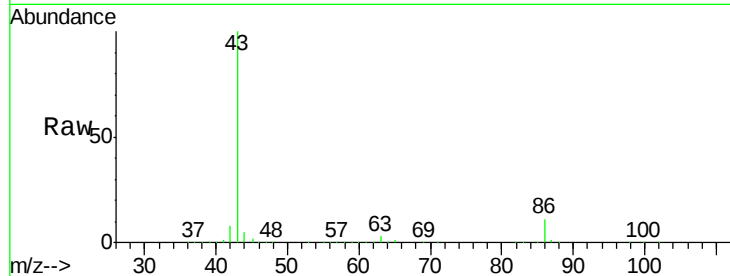




#23
 Vinyl Acetate
 Concen: 94.034 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

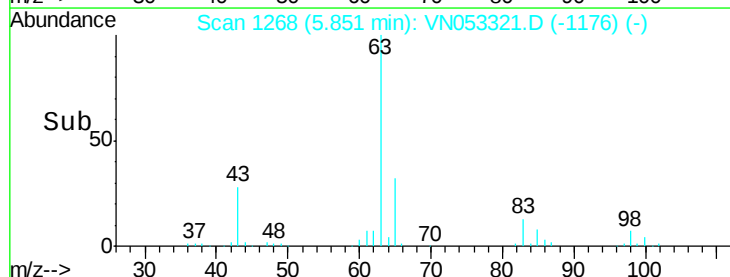
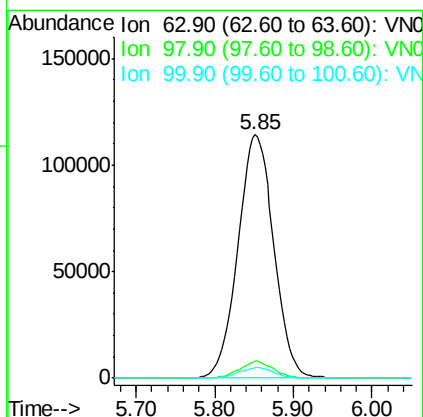
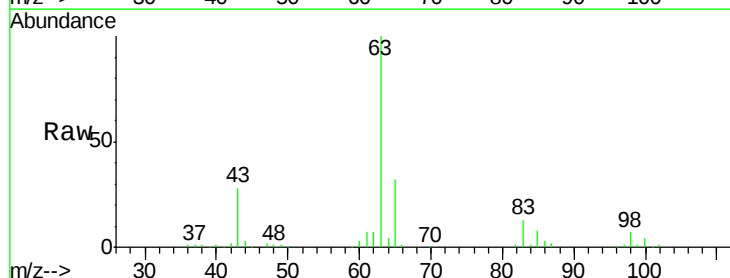
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

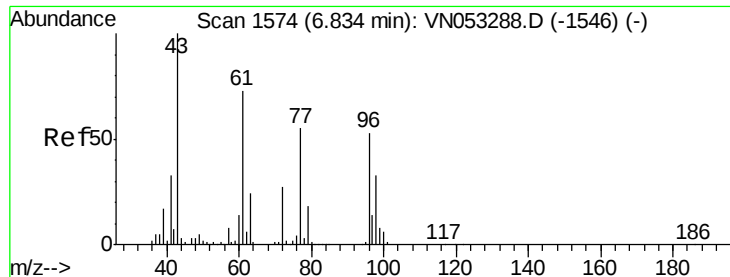
Tot Ion: 43 Resp: 1975628
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 18.947 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 63 Resp: 364887
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.2 2.1 6.5

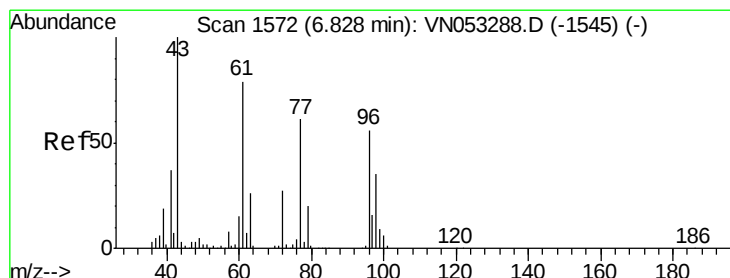
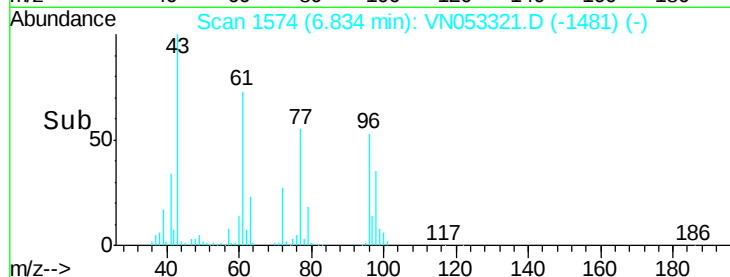
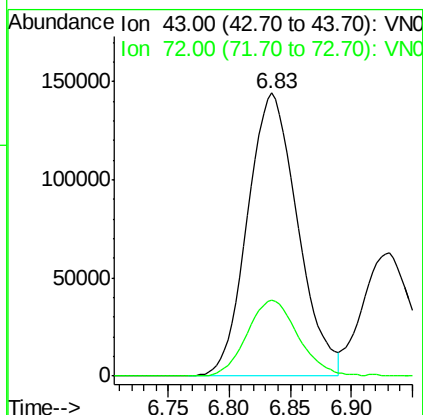
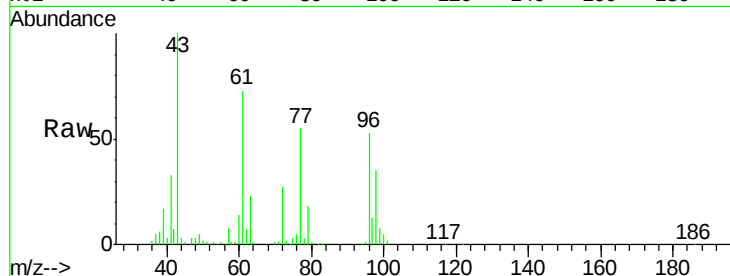




#25
2-Butanone
Concen: 93.091 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

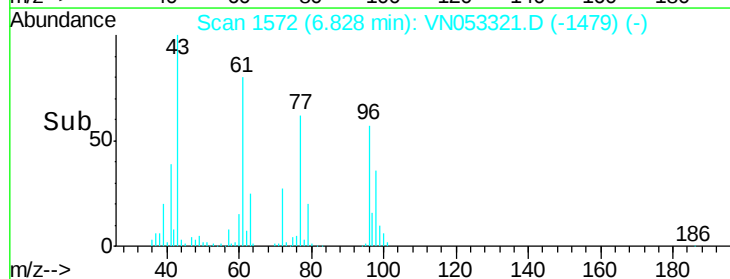
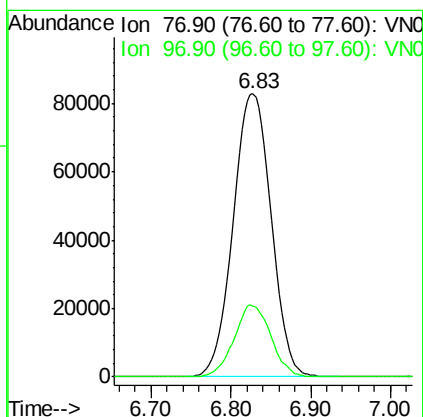
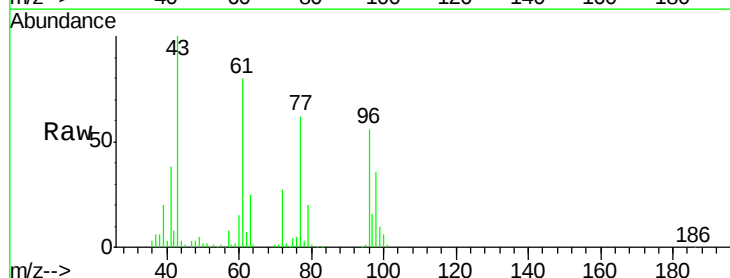
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

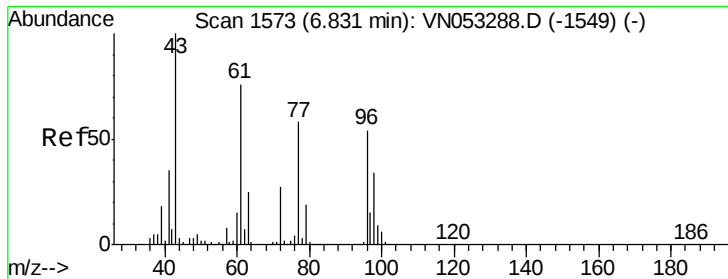
Tot Ion: 43 Resp: 409515
Ion Ratio Lower Upper
43 100
72 26.9 22.0 33.0



#26
2,2-Dichloropropane
Concen: 18.969 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 77 Resp: 267043
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.948 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

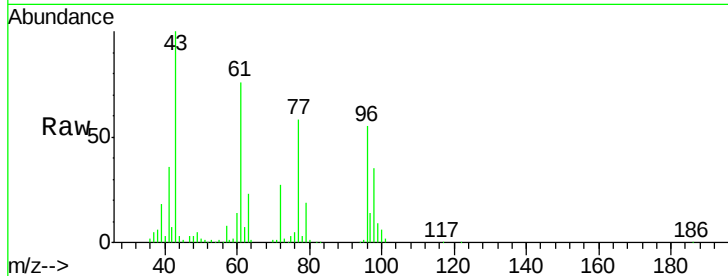
Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

Tot Ion: 96 Resp: 223426

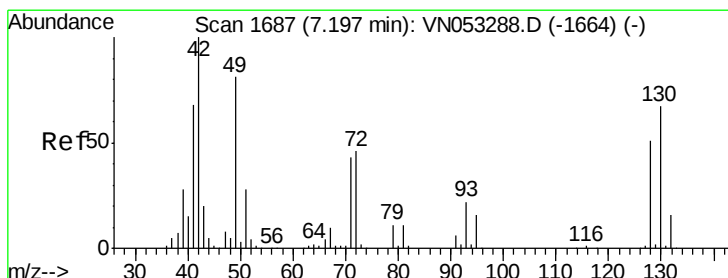
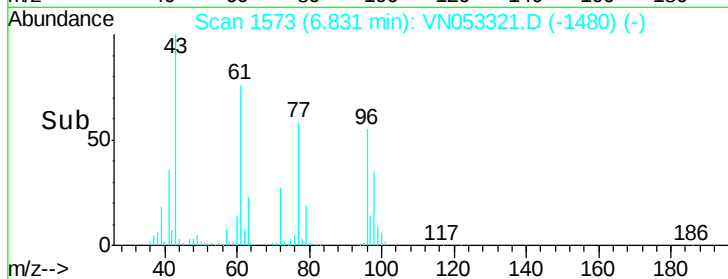
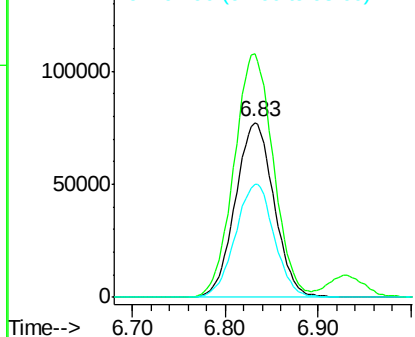
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	280.6
98	64.9	0.0	127.6



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: 21.112 ug/l

RT: 7.20 min Scan# 1687

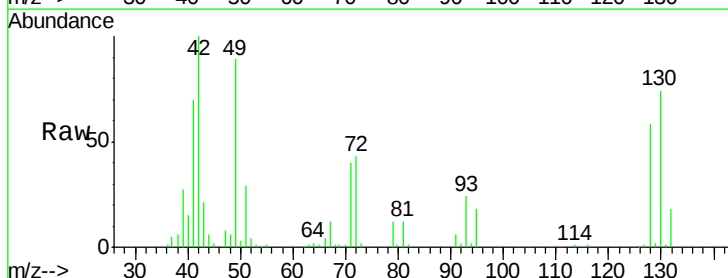
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion: 49 Resp: 173255

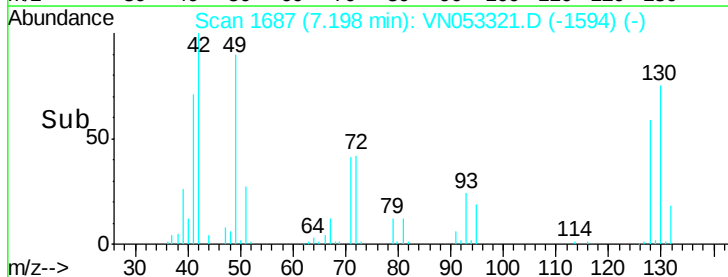
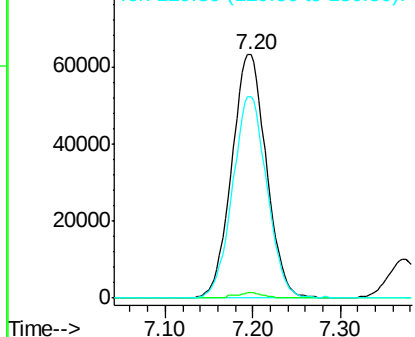
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	82.4	65.4	98.0

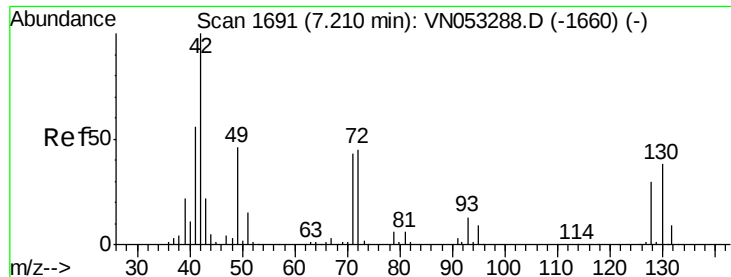


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

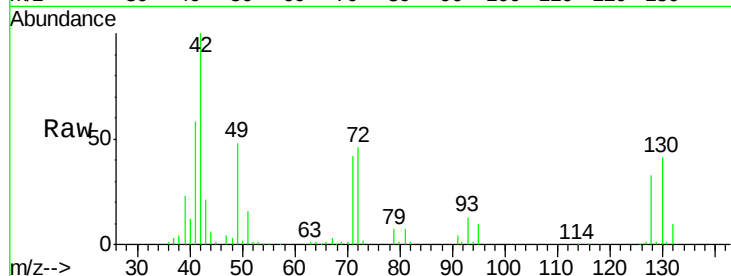




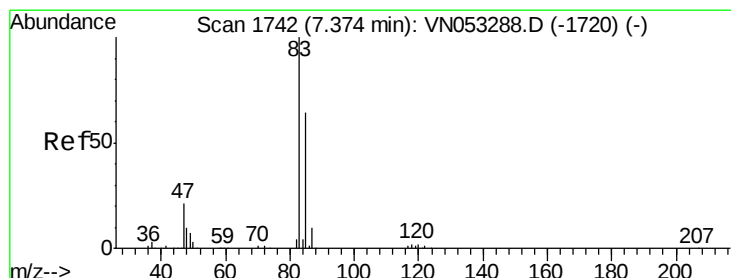
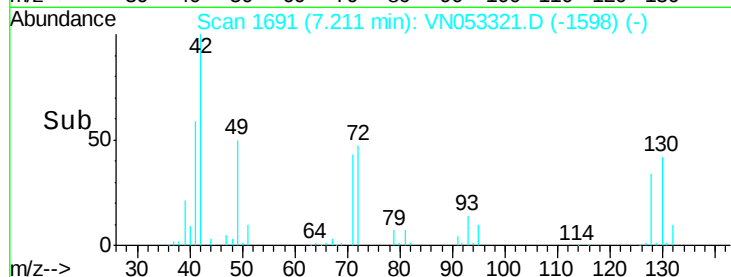
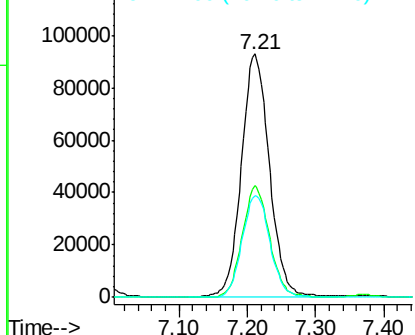
#29
Tetrahydrofuran
Concen: 91.357 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

Tot Ion: 42 Resp: 265209
Ion Ratio Lower Upper
42 100
72 44.6 35.6 53.4
71 41.6 33.8 50.8

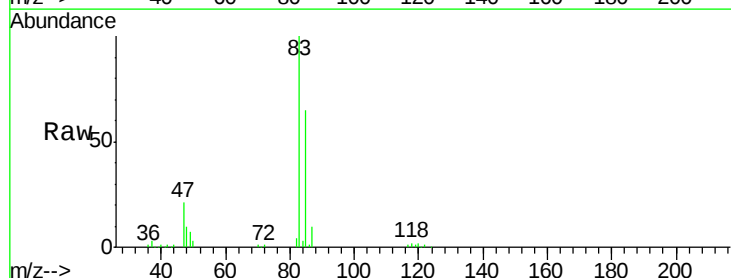


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

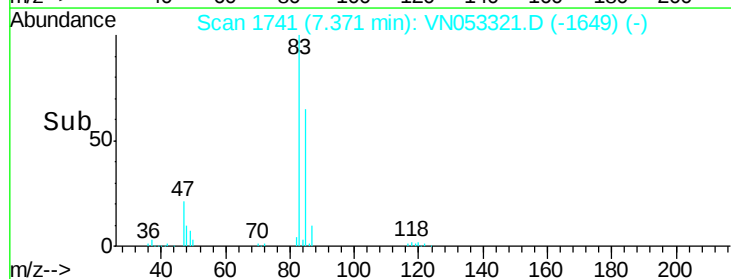
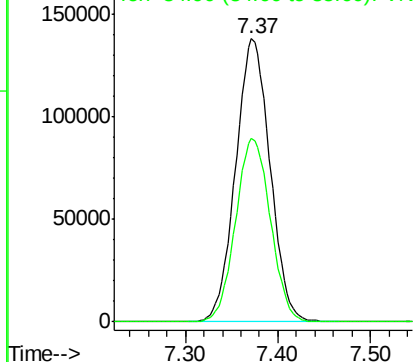


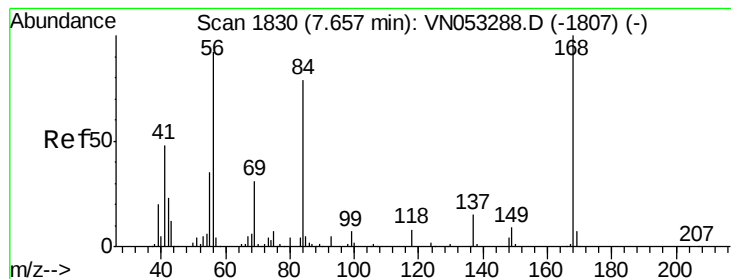
#30
Chloroform
Concen: 18.789 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 83 Resp: 356154
Ion Ratio Lower Upper
83 100
85 64.6 51.3 76.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.950 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

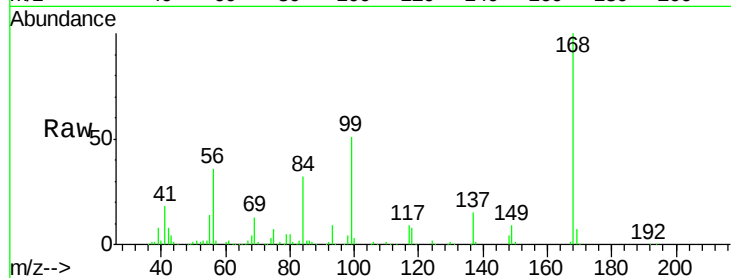
Tot Ion: 56 Resp: 348999

Ion Ratio Lower Upper

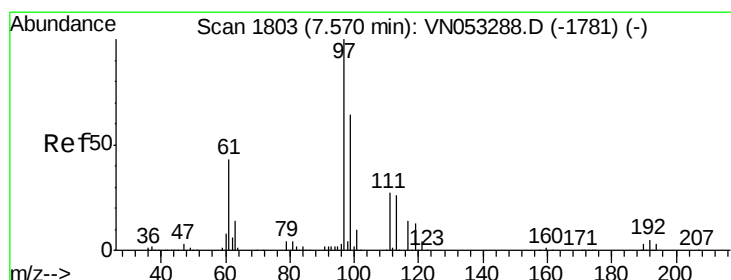
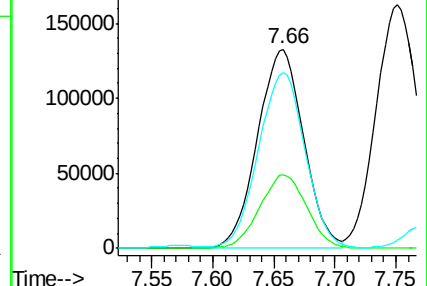
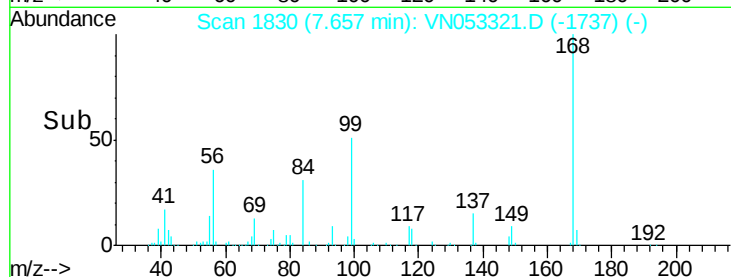
56 100

69 37.2 26.7 40.1

84 87.4 68.2 102.4



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 18.918 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

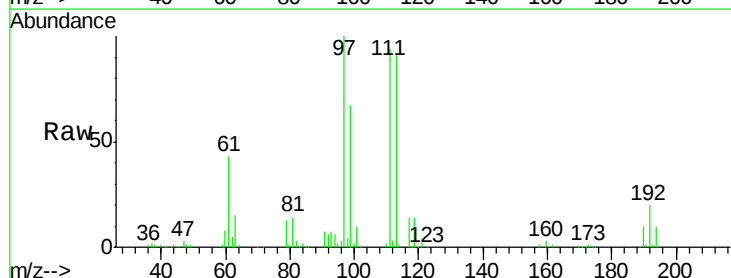
Tgt Ion: 97 Resp: 298811

Ion Ratio Lower Upper

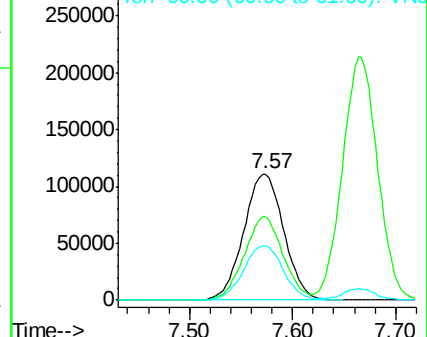
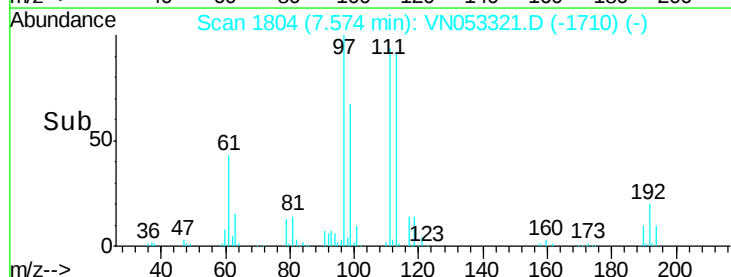
97 100

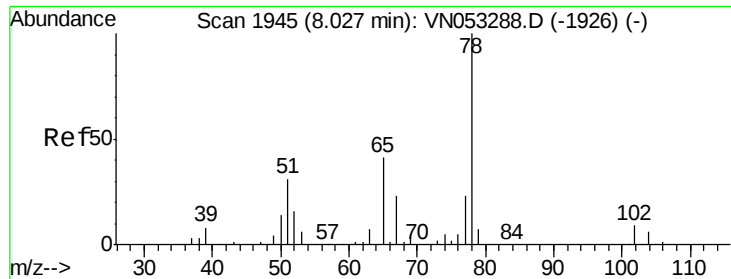
99 64.4 51.6 77.4

61 43.0 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

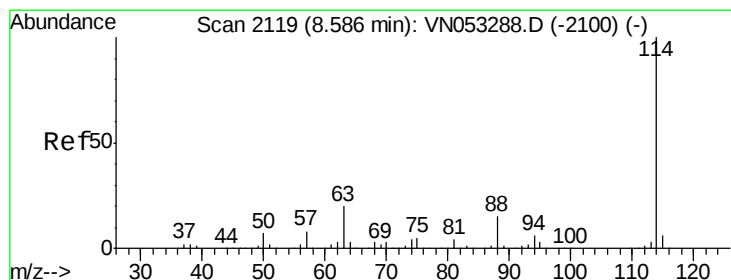
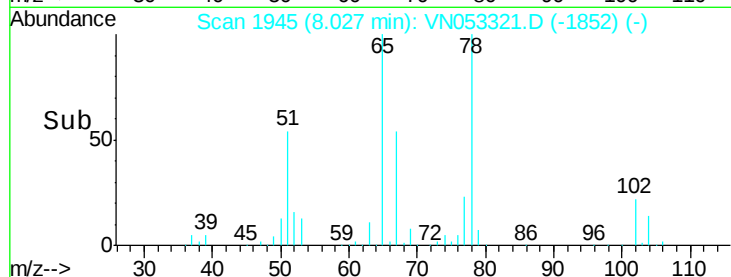
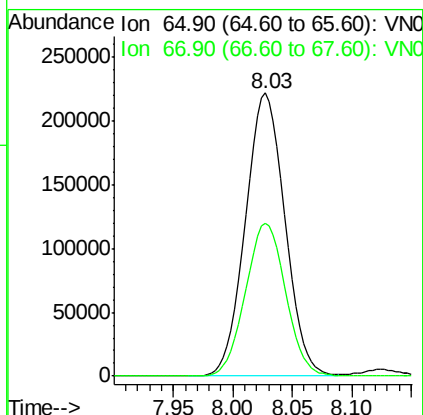
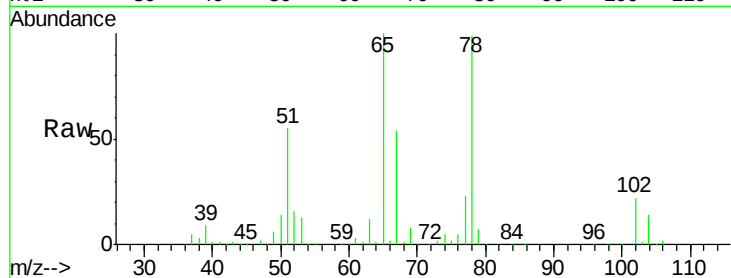




#33
 1,2-Dichloroethane-d4
 Concen: 18.918 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

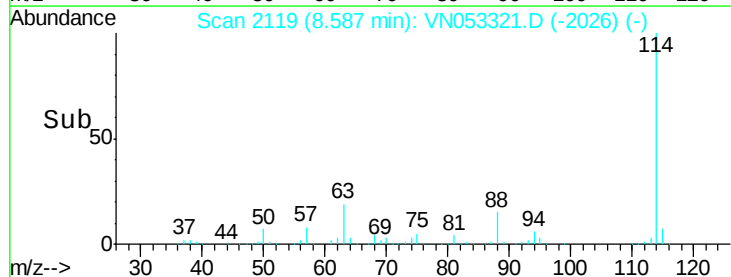
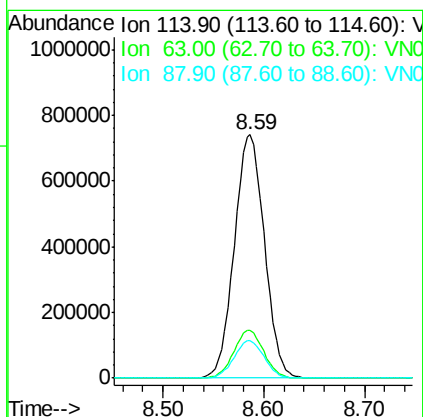
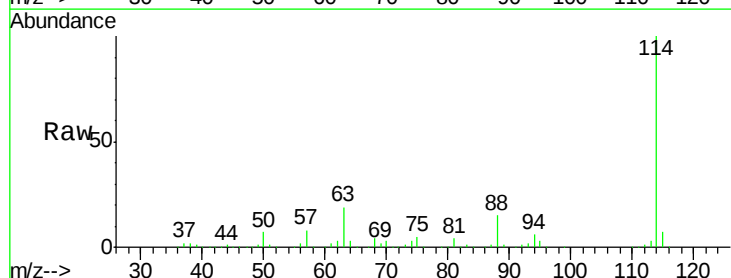
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

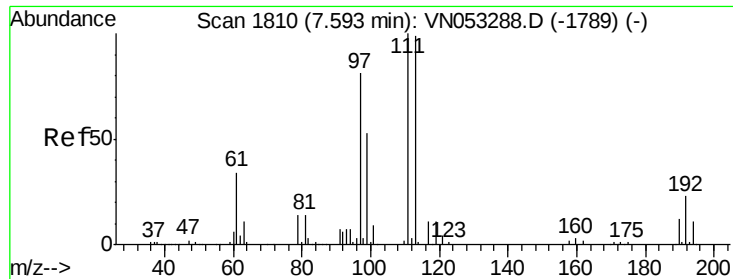
Tot Ion: 65 Resp: 511132
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 114 Resp: 1536552
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.0
 88 15.5 0.0 30.8

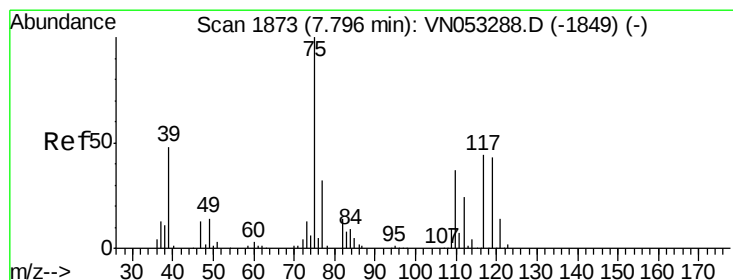
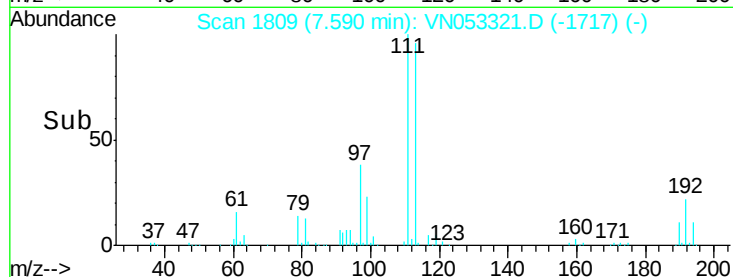
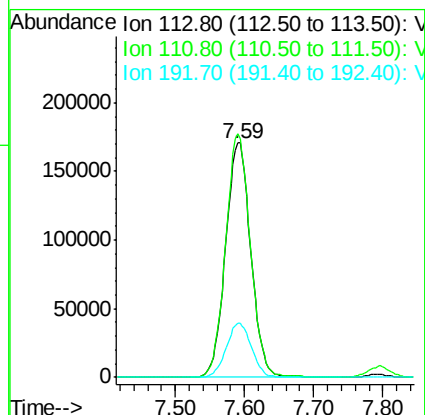
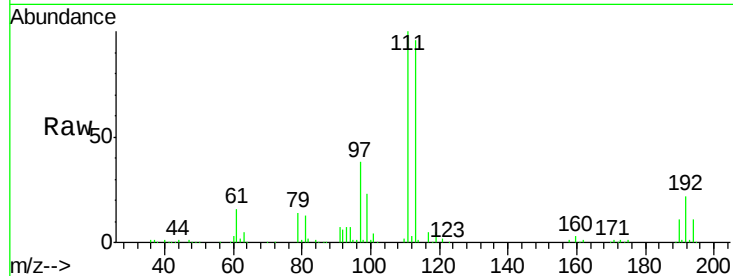




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

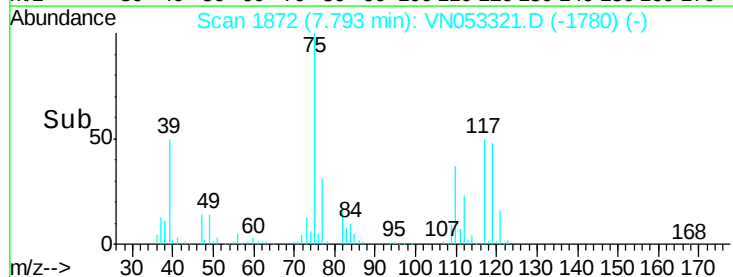
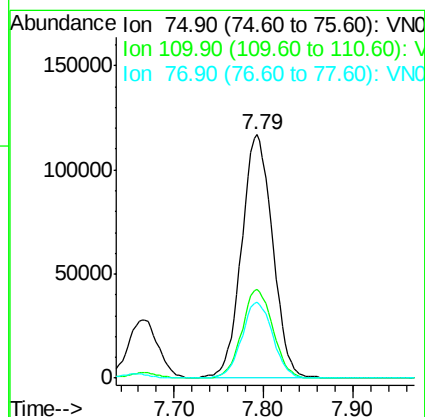
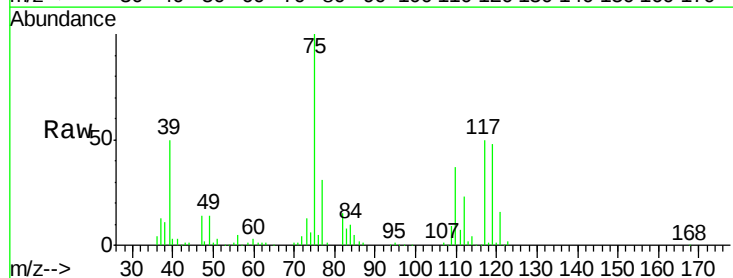
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

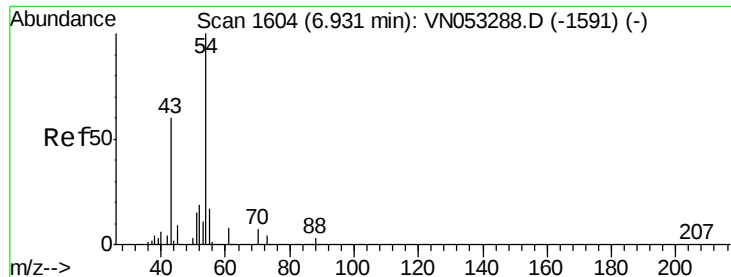
Tot Ion:113 Resp: 434220
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.2
192 23.0 17.9 26.9



#36
1,1-Dichloropropene
Concen: 19.642 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 75 Resp: 281753
Ion Ratio Lower Upper
75 100
110 36.5 18.4 55.0
77 31.4 25.3 37.9

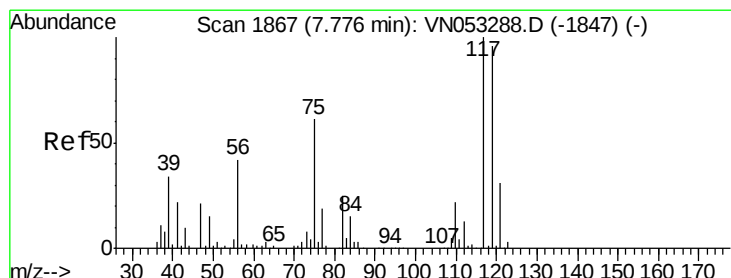
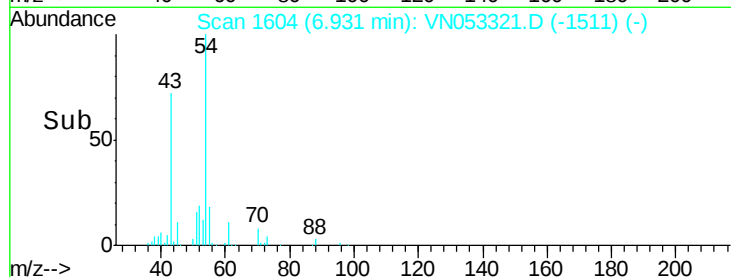
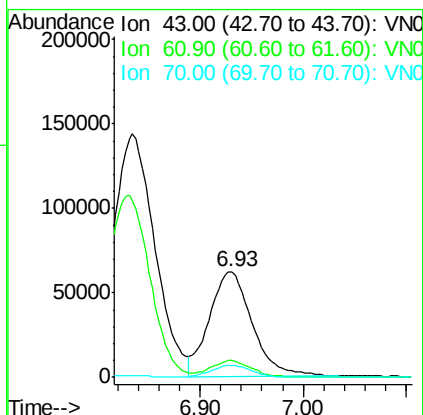
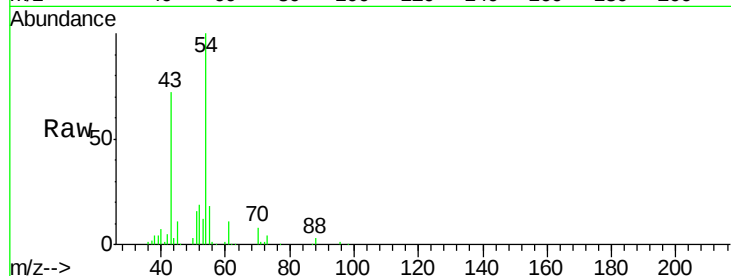




#37
Ethyl Acetate
Concen: 19.081 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

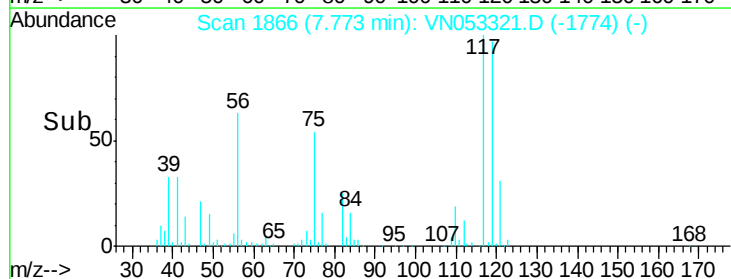
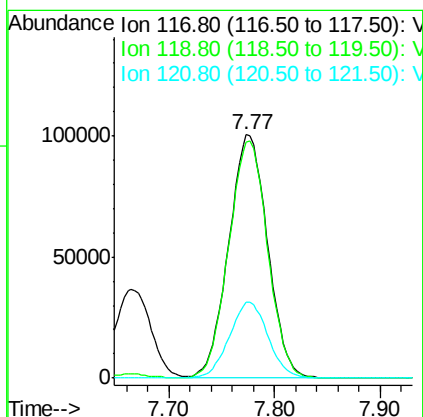
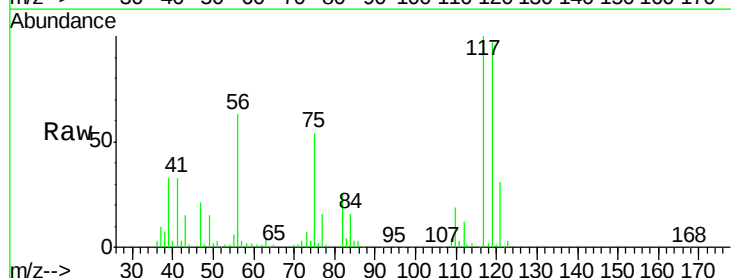
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

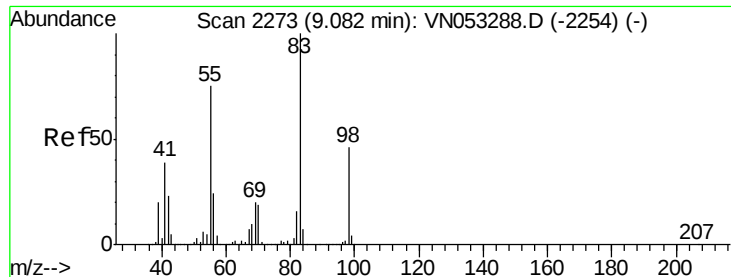
Tot Ion: 43 Resp: 178282
Ion Ratio Lower Upper
43 100
61 14.8 11.9 17.9
70 11.2 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.459 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 117 Resp: 257638
Ion Ratio Lower Upper
117 100
119 96.7 76.6 115.0
121 31.2 25.0 37.4

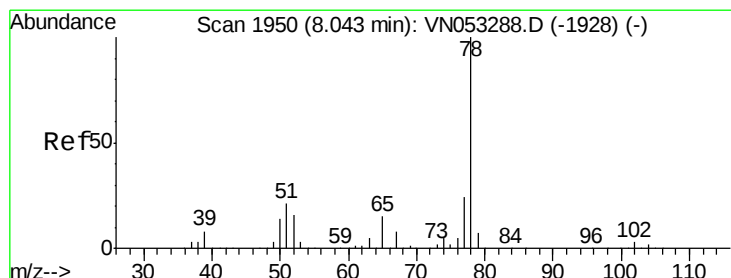
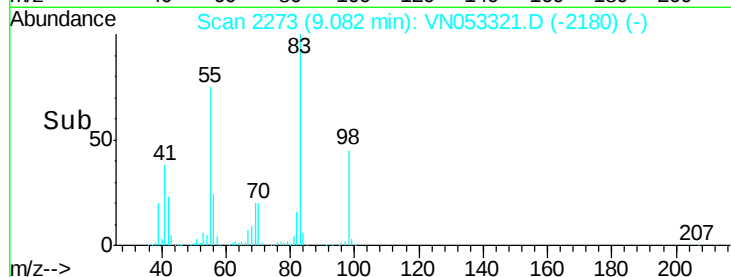
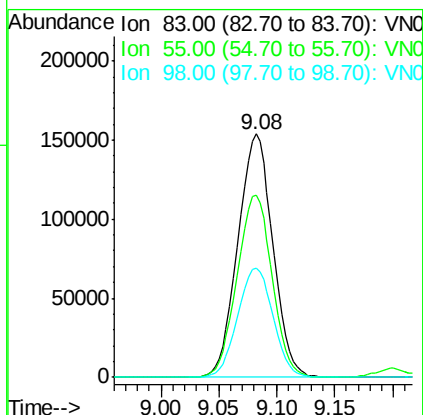
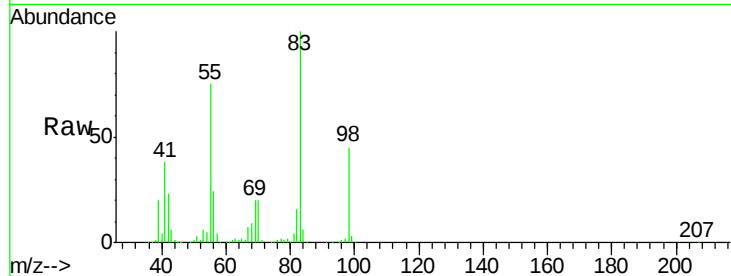




#39
Methvlcvclohexane
Concen: 19.412 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

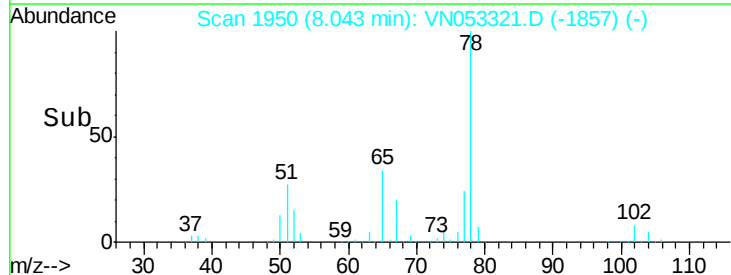
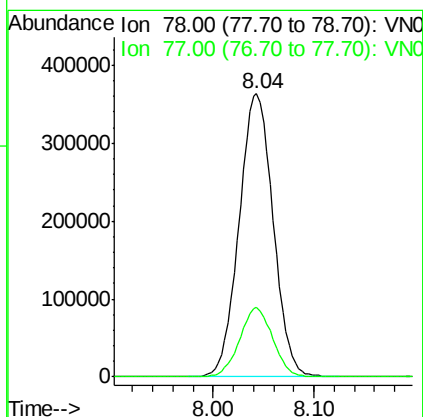
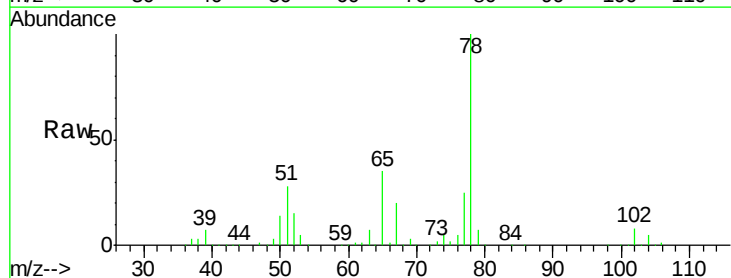
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

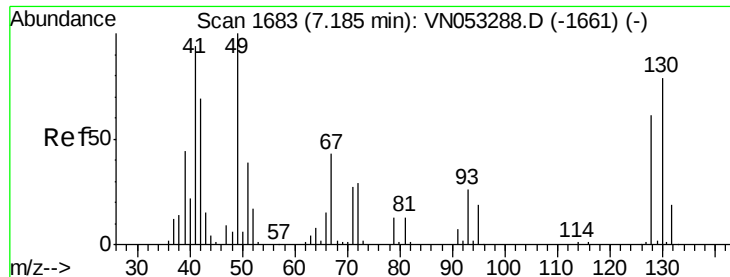
Tot Ion: 83 Resp: 322592
Ion Ratio Lower Upper
83 100
55 74.9 60.1 90.1
98 44.8 36.7 55.1



#40
Benzene
Concen: 19.368 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 78 Resp: 848680
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.4

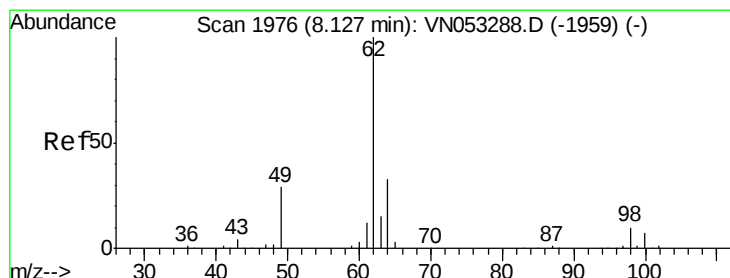
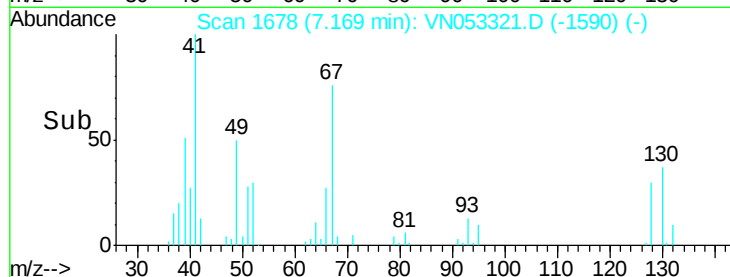
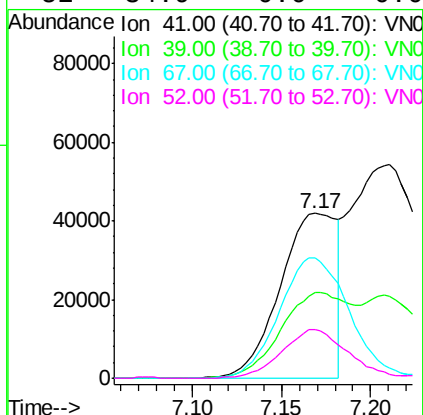
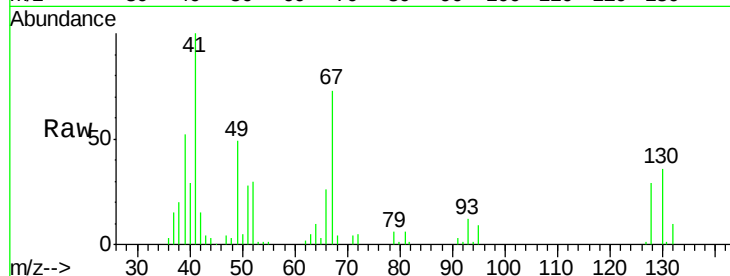




#41
Methacrylonitrile
Concen: 15.986 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

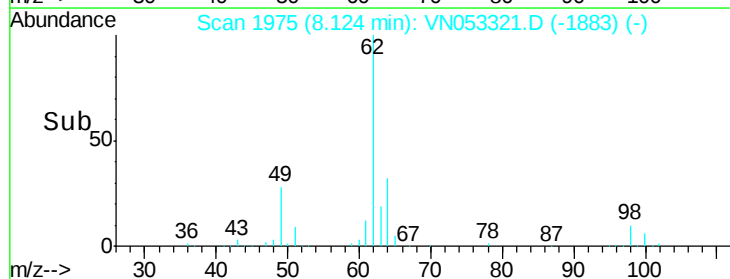
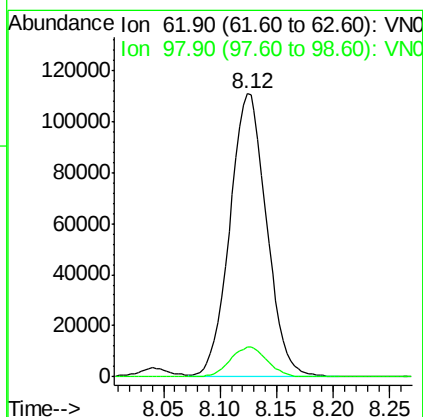
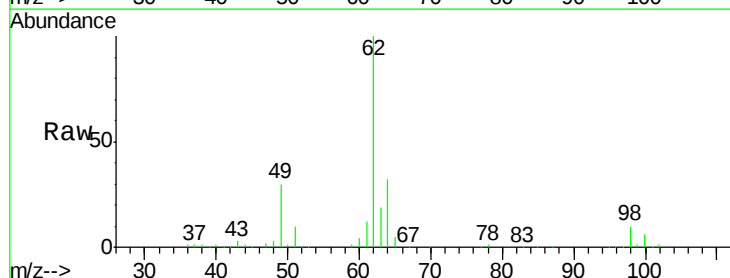
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

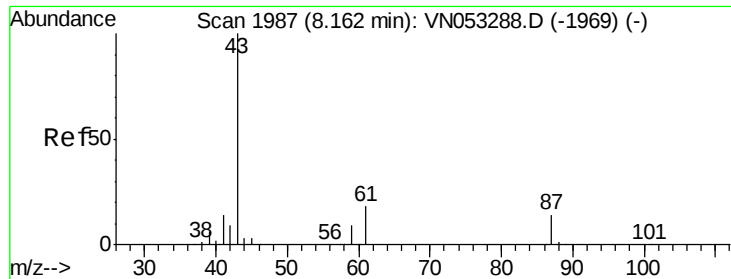
Tot Ion: 41 Resp: 92731
Ion Ratio Lower Upper
41 100
39 66.8 0.0 0.0#
67 90.7 0.0 0.0#
52 34.9 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.187 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 62 Resp: 249378
Ion Ratio Lower Upper
62 100
98 10.6 0.0 20.2





#43

Isopropyl Acetate

Concen: 17.489 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

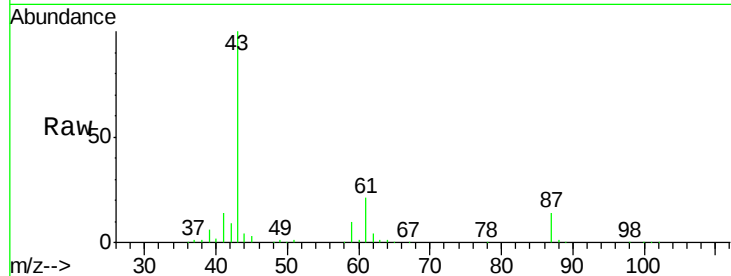
Tot Ion: 43 Resp: 321468

Ion Ratio Lower Upper

43 100

61 29.2 23.3 34.9

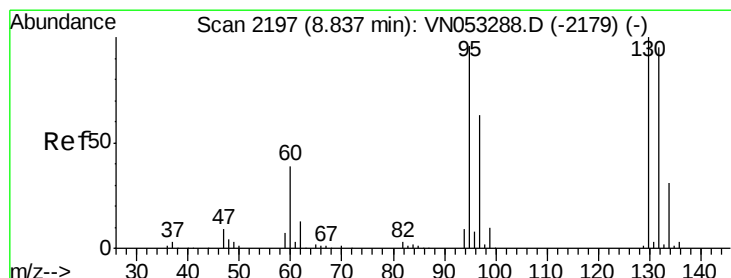
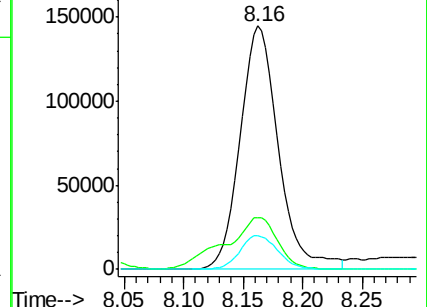
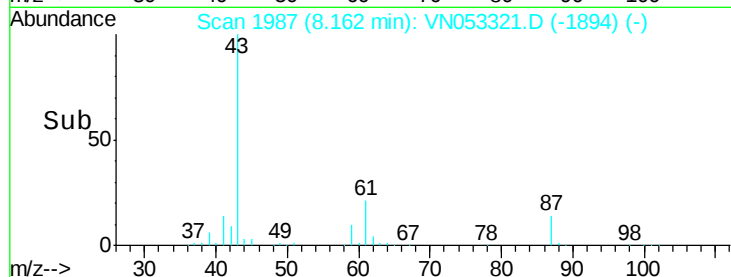
87 13.9 10.8 16.2



Abundance Ion 43.00 (42.70 to 43.70): VN053321.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053321.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053321.D (-1894) (-)



#44

Trichloroethene

Concen: 19.189 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053321.D

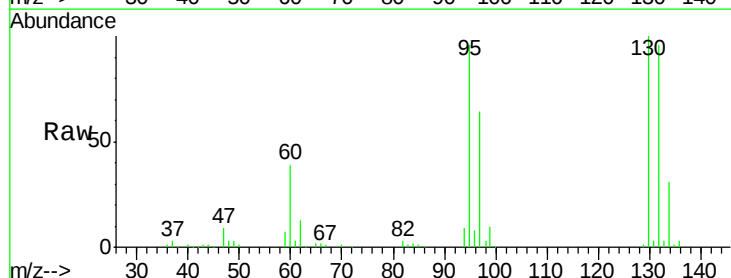
Acq: 9 Jan 2019 10:47

Tgt Ion:130 Resp: 230871

Ion Ratio Lower Upper

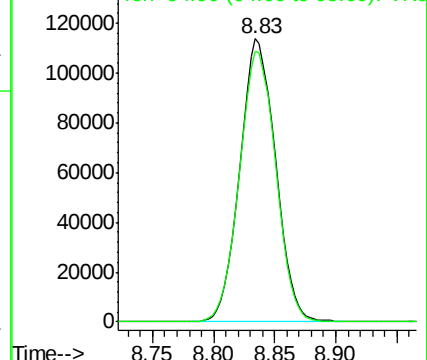
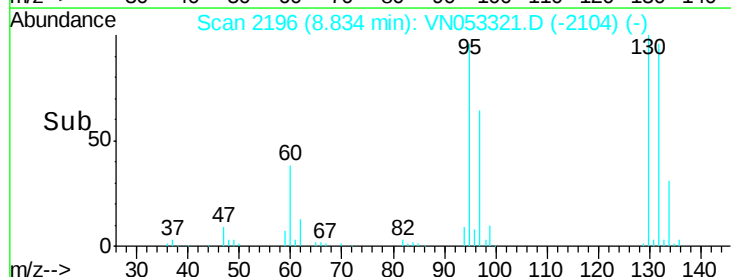
130 100

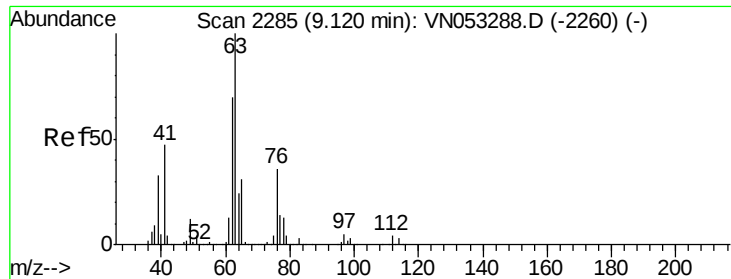
95 95.6 0.0 191.8



Abundance Ion 129.80 (129.50 to 130.50): VN053321.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053321.D (-2104) (-)

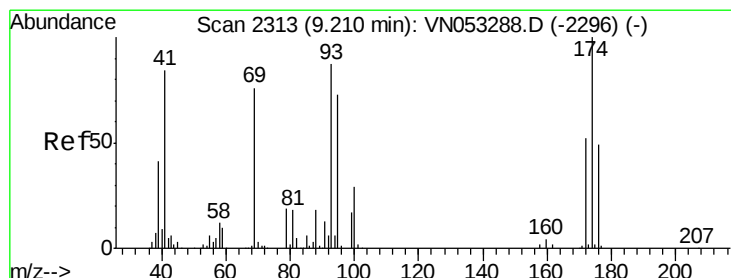
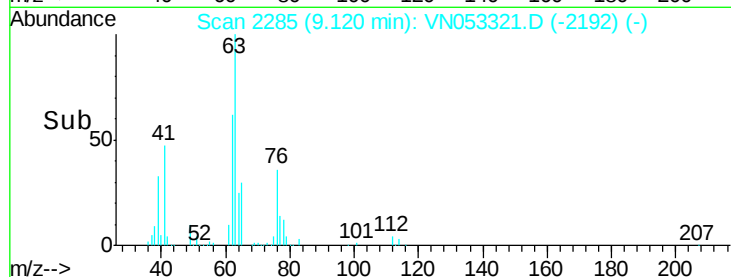
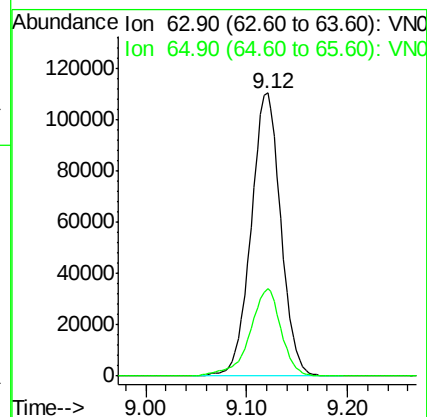
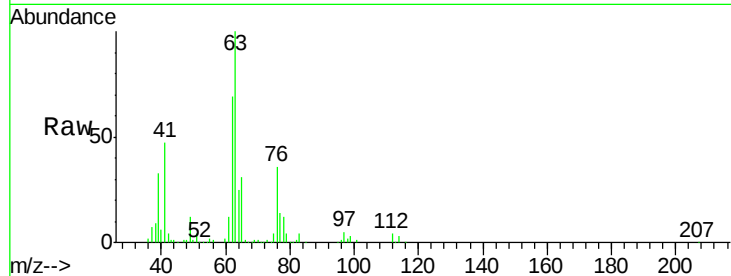




#45
 1,2-Dichloropropane
 Concen: 19.482 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

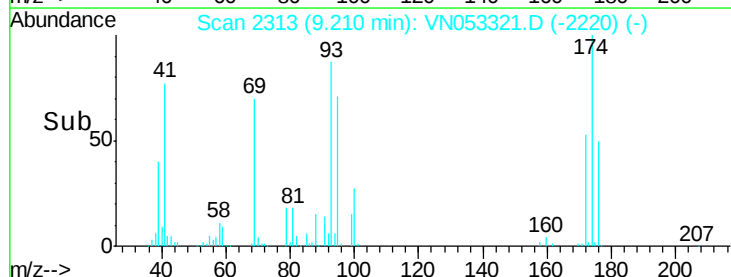
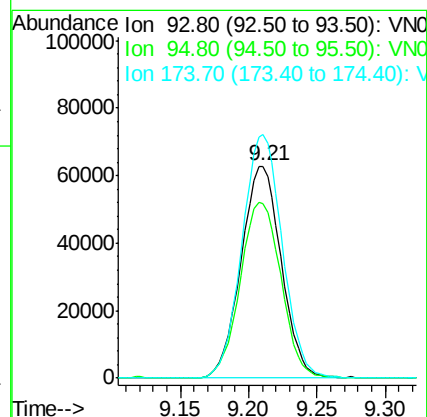
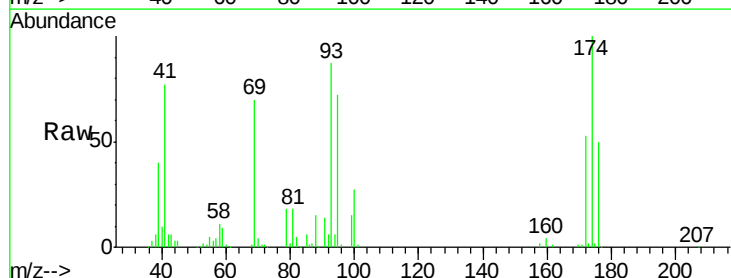
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

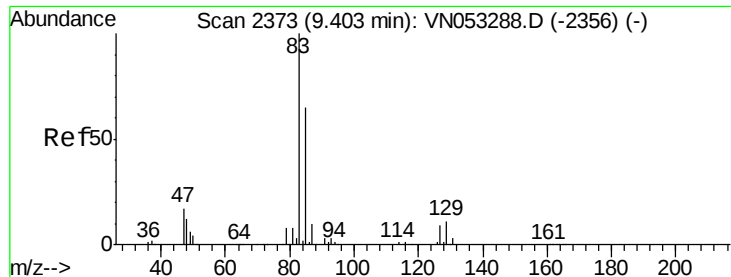
Tot Ion: 63 Resp: 223893
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 19.223 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 93 Resp: 128811
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.6 100.0
 174 115.1 91.4 137.0

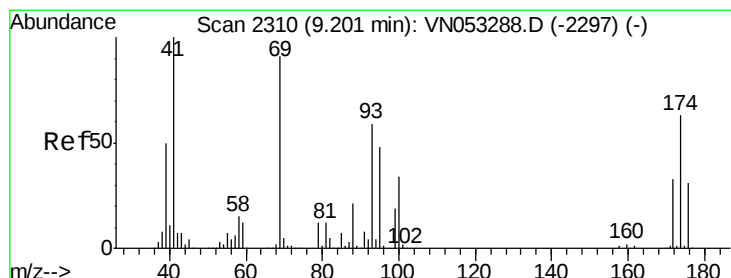
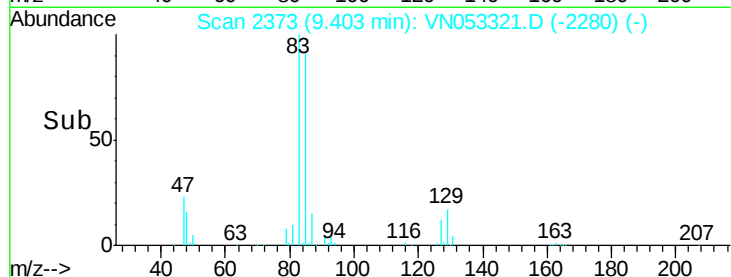
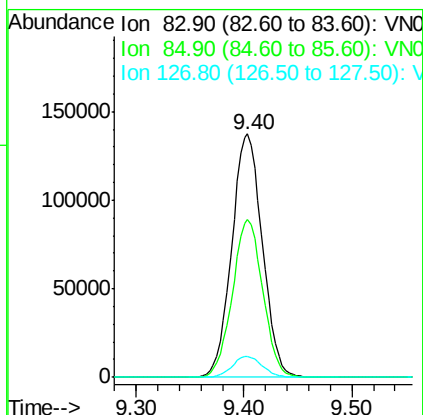
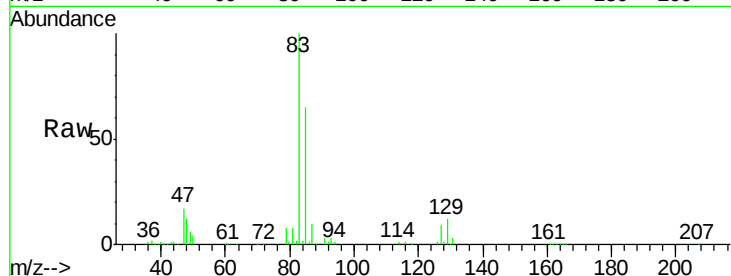




#47
 Bromodichloromethane
 Concen: 19.462 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

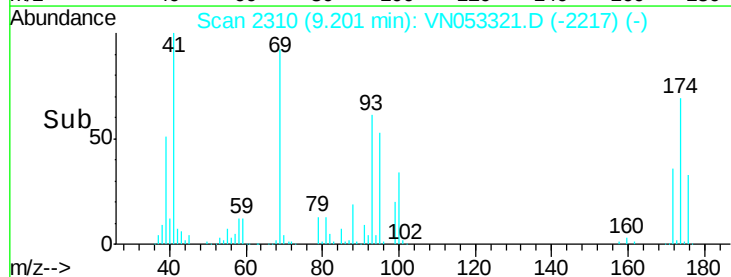
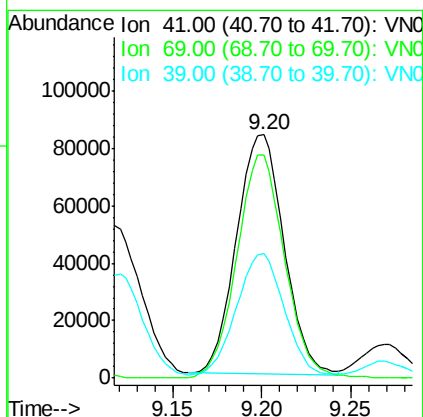
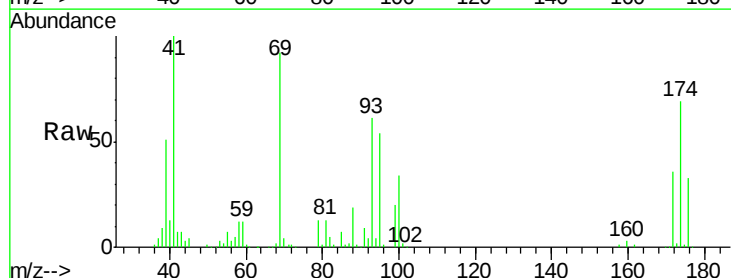
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

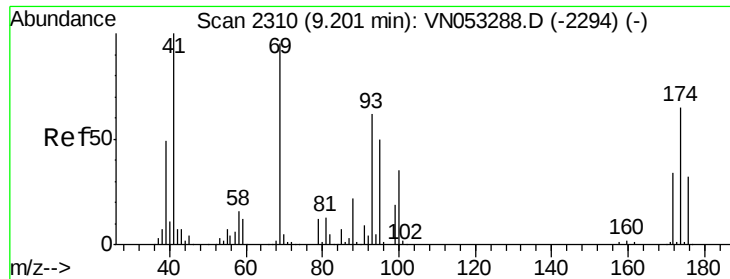
Tot Ion: 83 Resp: 271774
 Ion Ratio Lower Upper
 83 100
 85 65.1 51.7 77.5
 127 8.7 7.0 10.6



#48
 Methyl methacrylate
 Concen: 18.663 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 41 Resp: 155848
 Ion Ratio Lower Upper
 41 100
 69 93.7 73.5 110.3
 39 53.4 41.6 62.4





#49

1,4-Dioxane

Concen: 364.914 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

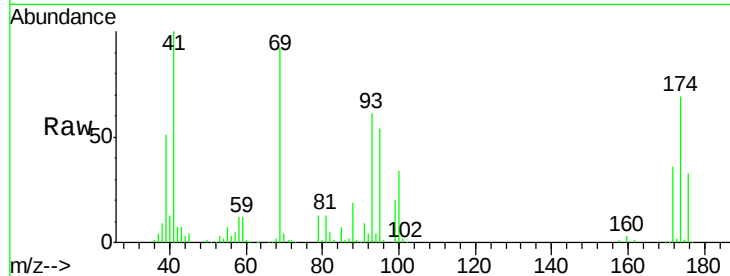
MSVOA_N

ClientSampleId :

VN0109WBS01

Tot Ion: 88 Resp: 32467

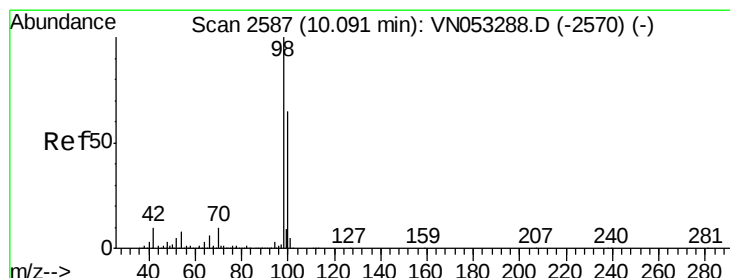
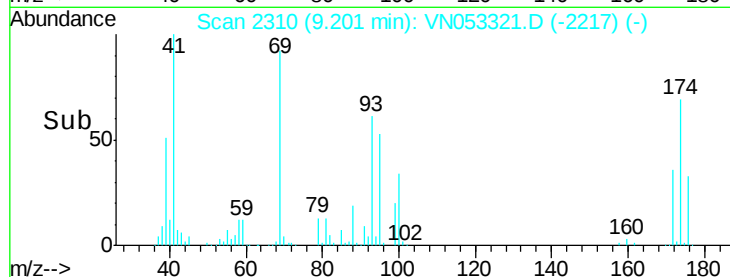
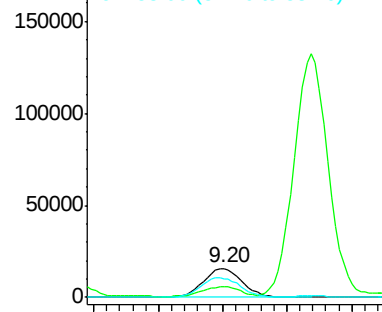
Ion	Ratio	Lower	Upper
88	100		
43	33.6	26.2	39.4
58	69.5	55.5	83.3



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 364.914 ug/l

RT: 10.09 min Scan# 2587

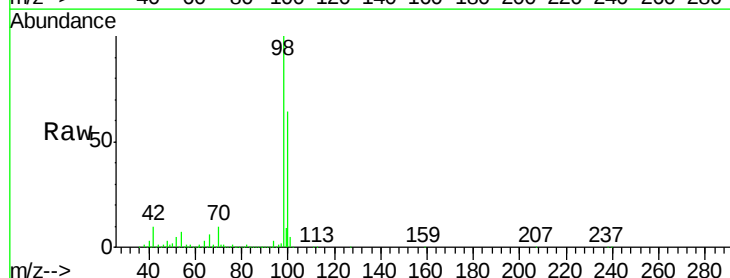
Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

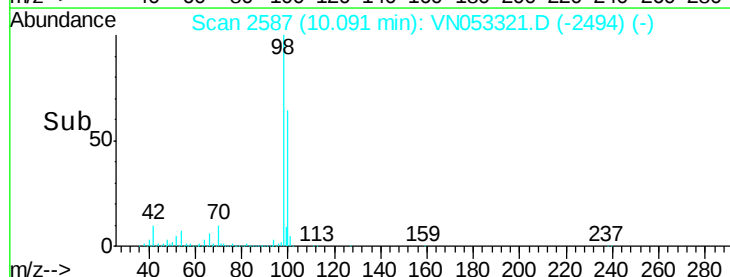
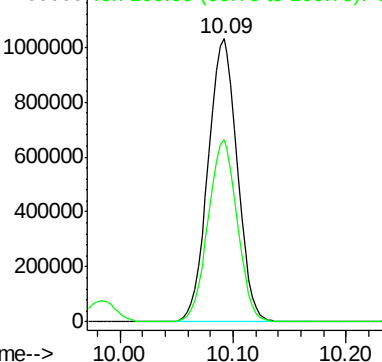
Tgt Ion: 98 Resp: 1853722

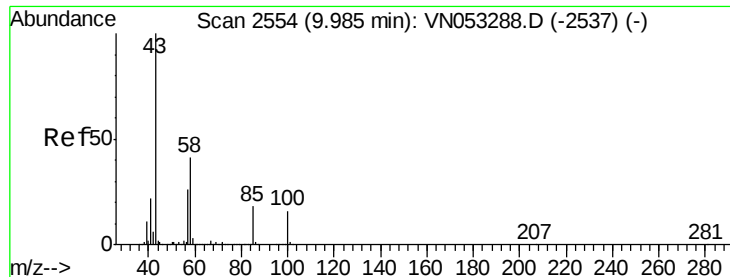
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.5	77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 96.151 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

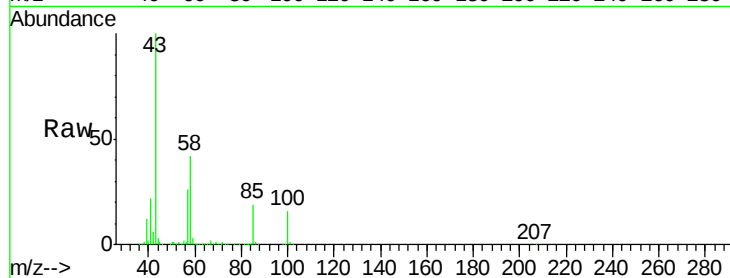
VN0109WBS01

Tot Ion: 43 Resp: 888771

Ion Ratio Lower Upper

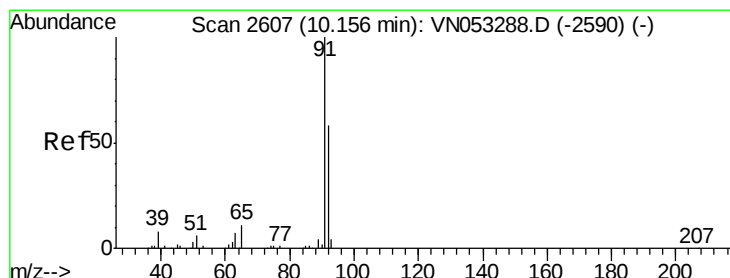
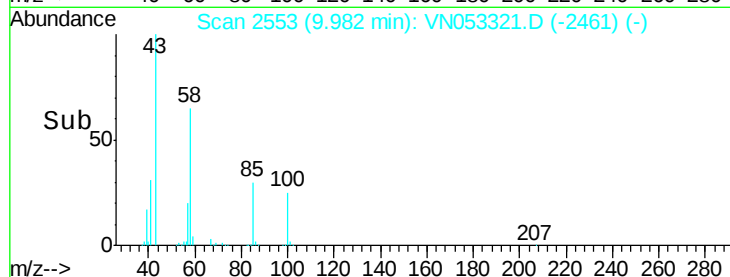
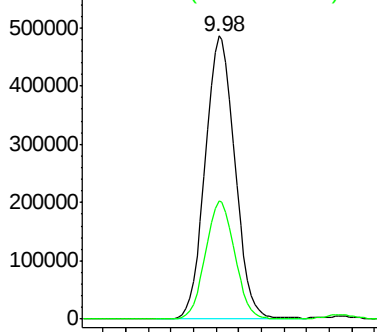
43 100

58 41.1 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.546 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053321.D

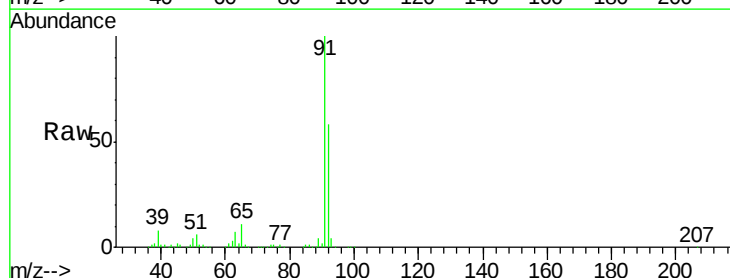
Acq: 9 Jan 2019 10:47

Tgt Ion: 92 Resp: 525423

Ion Ratio Lower Upper

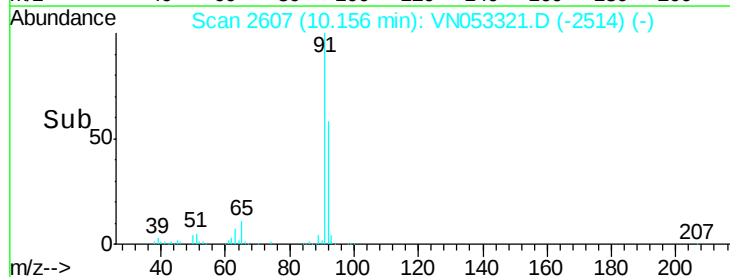
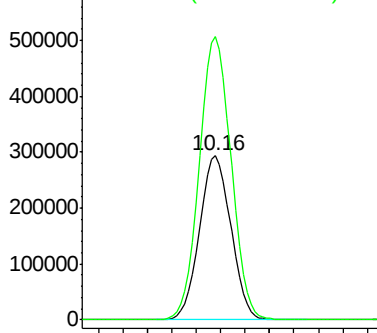
92 100

91 174.4 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.309 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

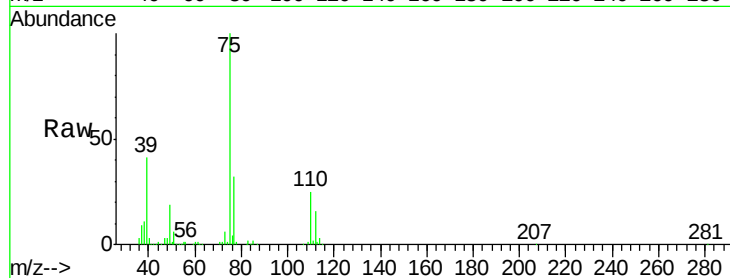
VN0109WBS01

Tot Ion: 75 Resp: 275836

Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

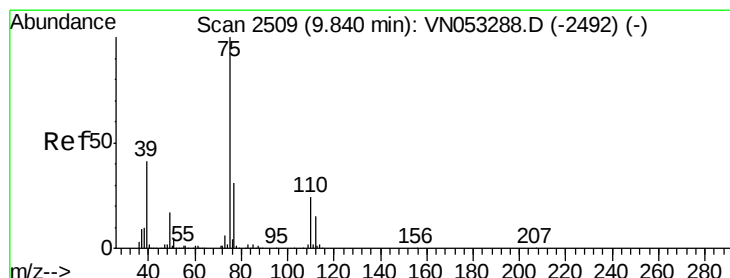
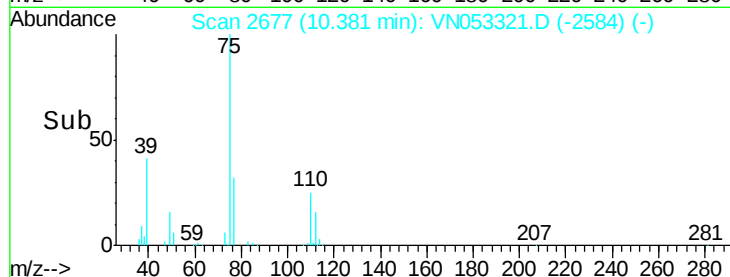
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.724 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

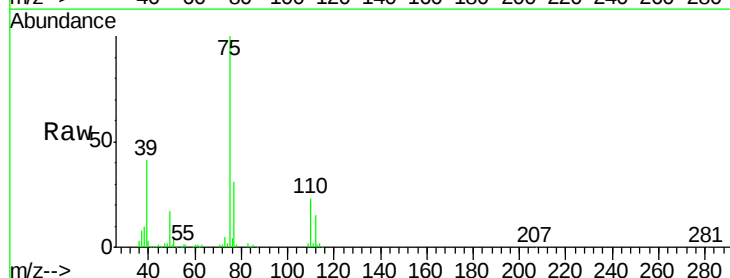
Tgt Ion: 75 Resp: 325596

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

39 41.3 33.1 49.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

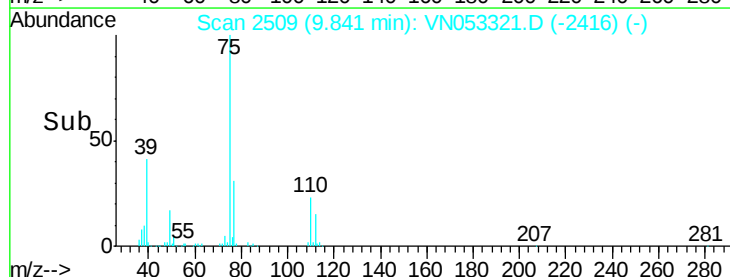
150000

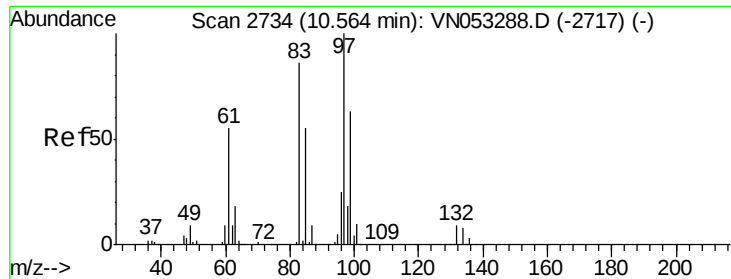
100000

50000

0

Time-->

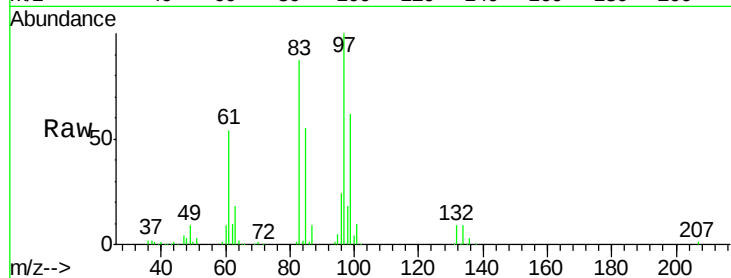




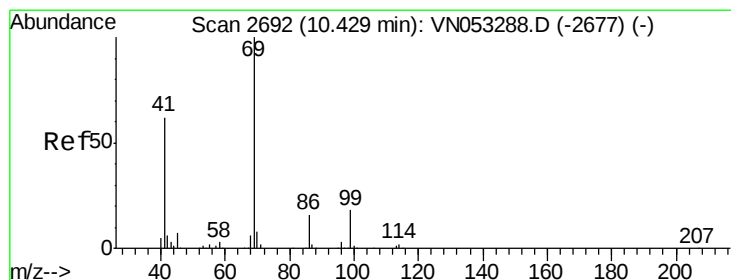
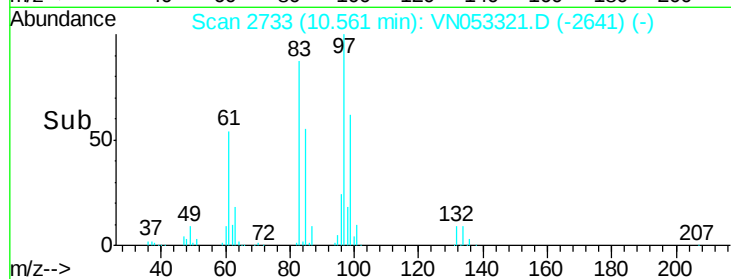
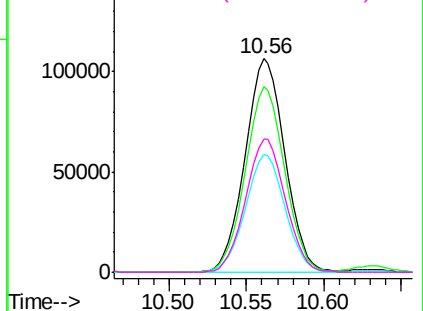
#55
 1,1,2-Trichloroethane
 Concen: 19.298 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

Tot Ion: 97 Resp: 190751
 Ion Ratio Lower Upper
 97 100
 83 86.7 69.1 103.7
 85 55.3 44.2 66.4
 99 62.3 50.3 75.5

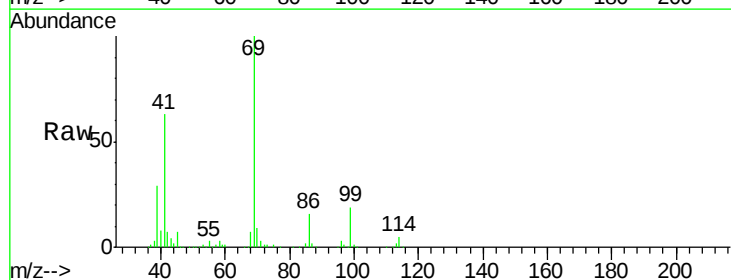


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

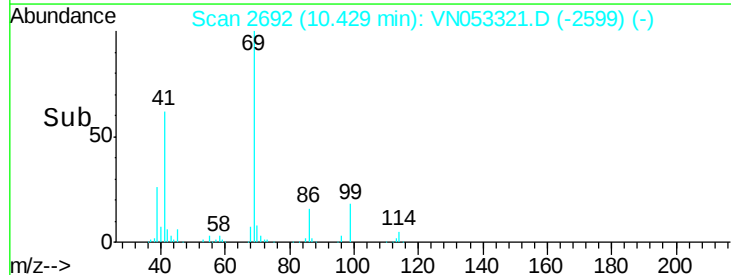
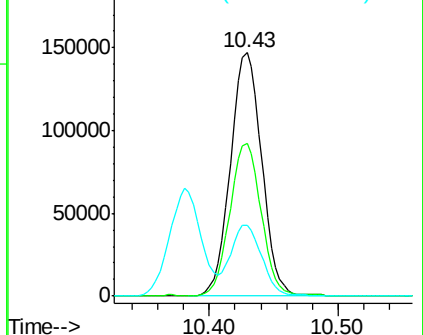


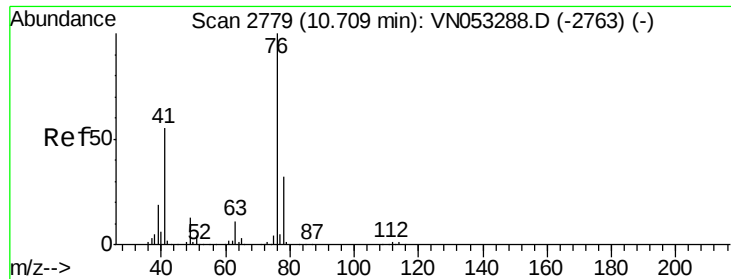
#56
 Ethyl methacrylate
 Concen: 19.340 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion: 69 Resp: 248422
 Ion Ratio Lower Upper
 69 100
 41 62.3 49.2 73.8
 39 28.9 23.4 35.0



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





#57

1,3-Dichloropropane

Concen: 19.357 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

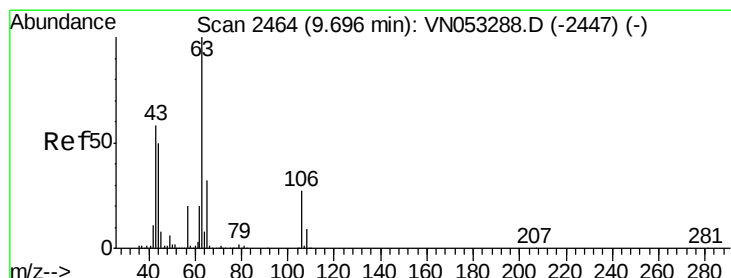
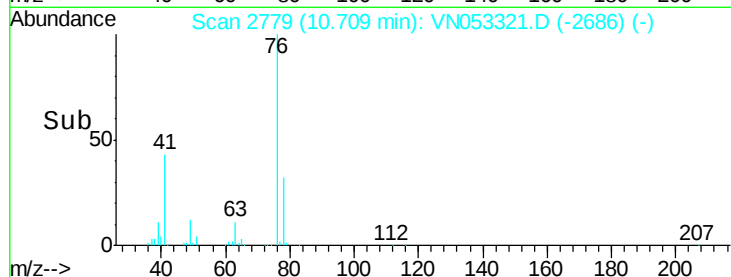
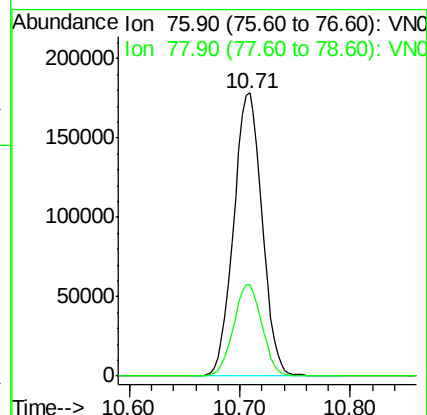
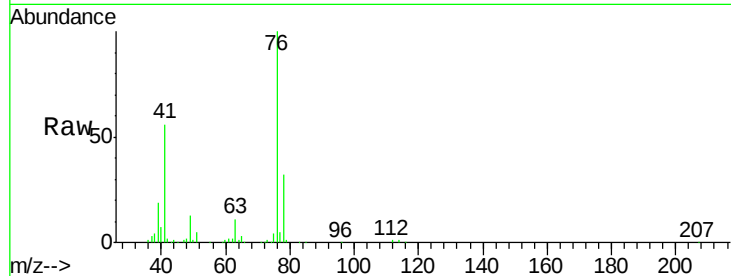
VN0109WBS01

Tot Ion: 76 Resp: 319964

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 95.536 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053321.D

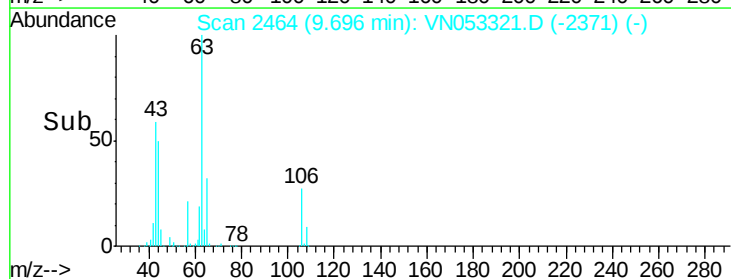
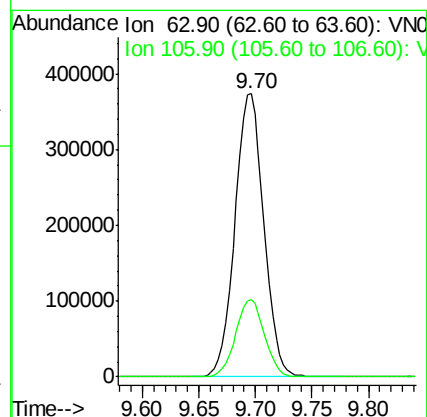
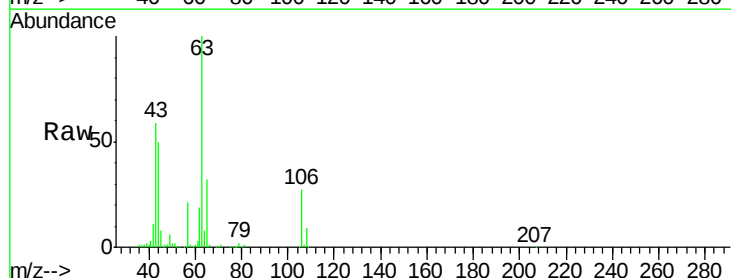
Acq: 9 Jan 2019 10:47

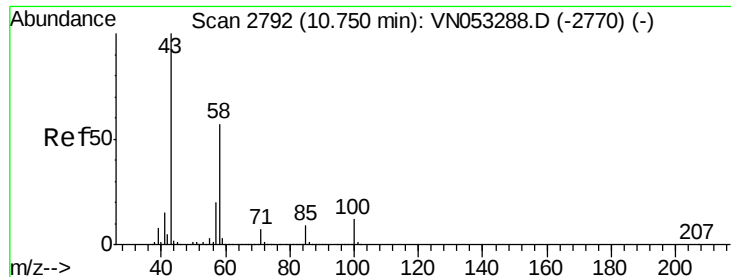
Tgt Ion: 63 Resp: 663425

Ion Ratio Lower Upper

63 100

106 27.3 21.7 32.5

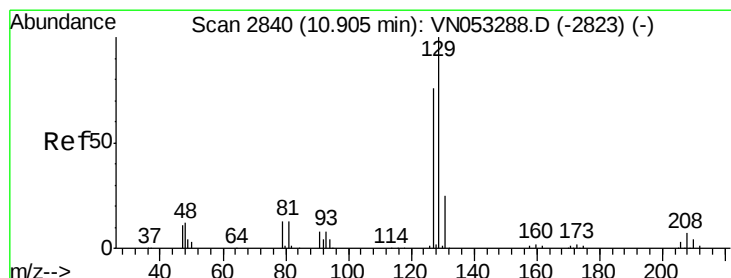
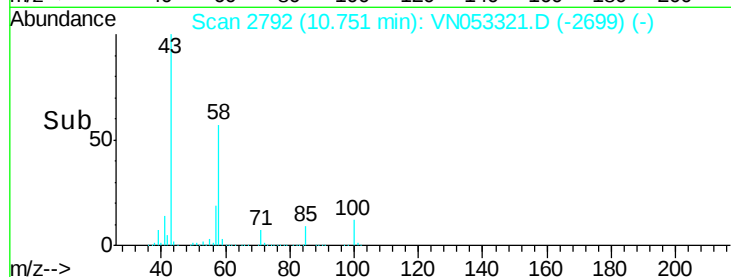
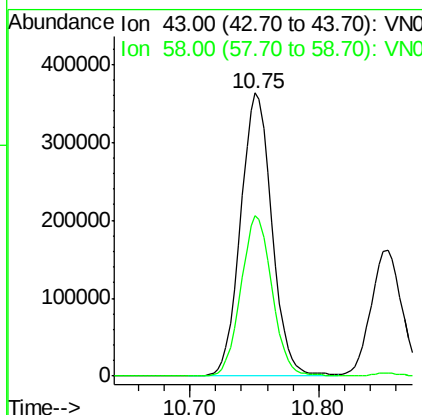
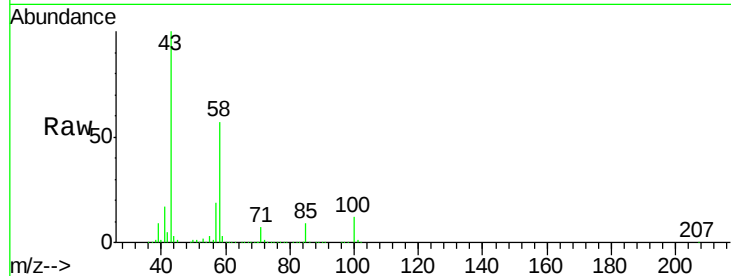




#59
2-Hexanone
Concen: 96.737 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

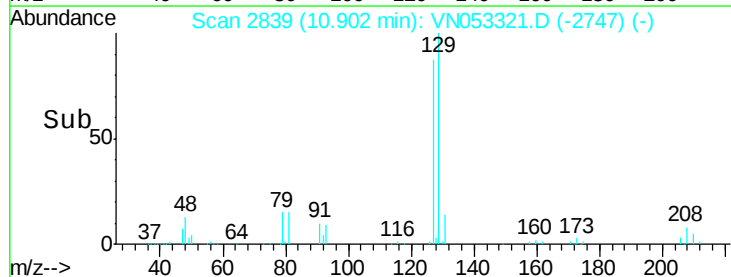
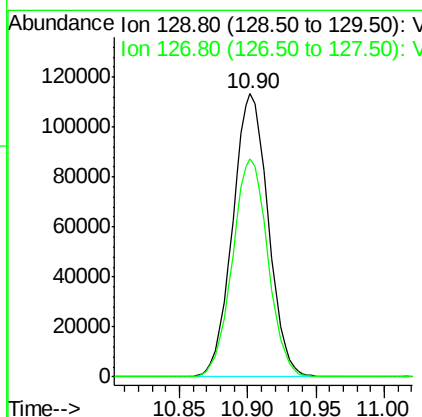
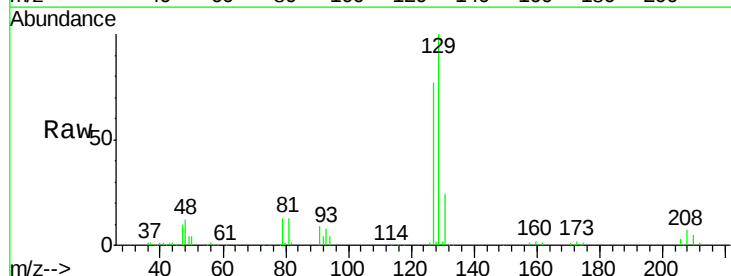
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

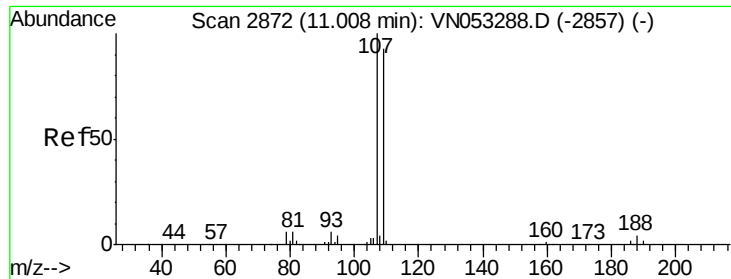
Tot Ion: 43 Resp: 612667
Ion Ratio Lower Upper
43 100
58 56.5 28.3 85.0



#60
Dibromochloromethane
Concen: 19.216 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 129 Resp: 204859
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.115 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

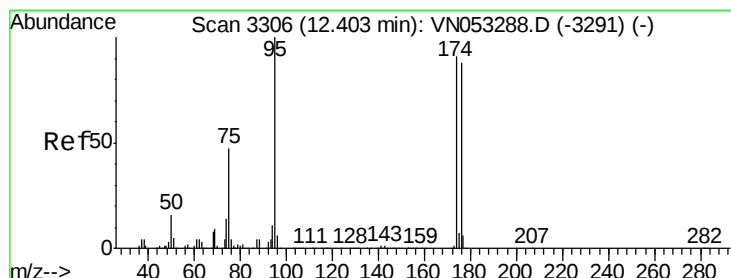
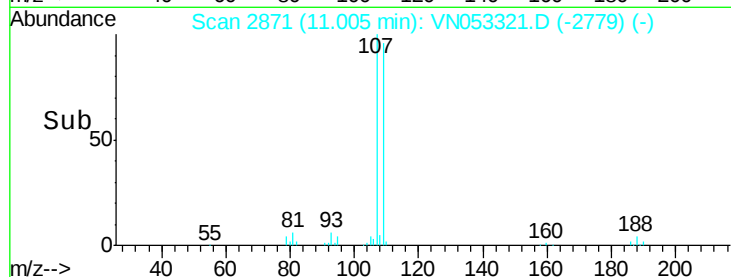
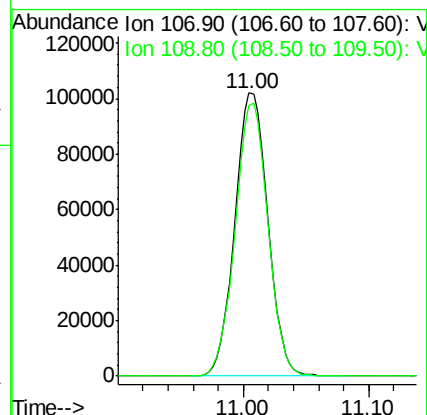
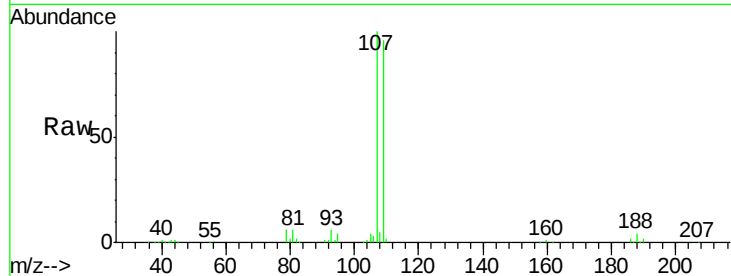
VN0109WBS01

Tot Ion:107 Resp: 186449

Ion Ratio Lower Upper

107 100

109 95.8 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 19.115 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

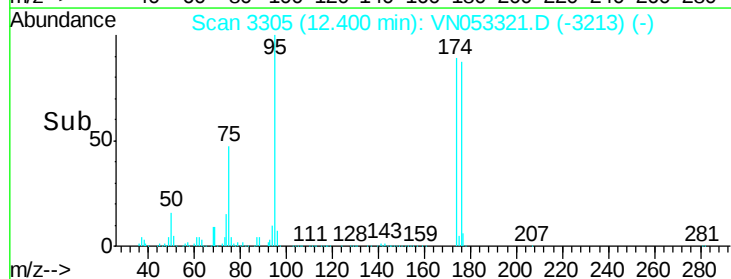
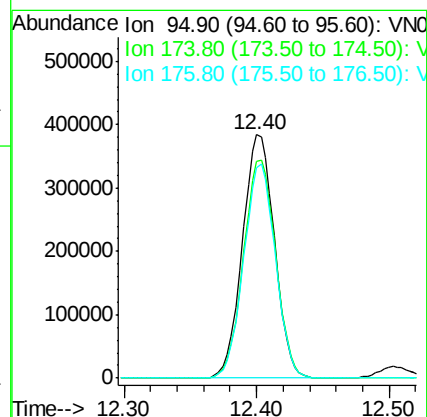
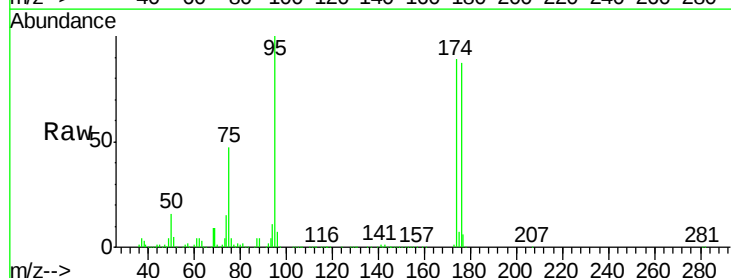
Tgt Ion: 95 Resp: 643423

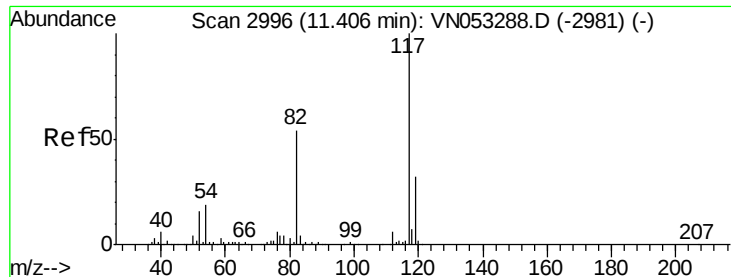
Ion Ratio Lower Upper

95 100

174 90.5 0.0 180.4

176 87.2 0.0 175.6

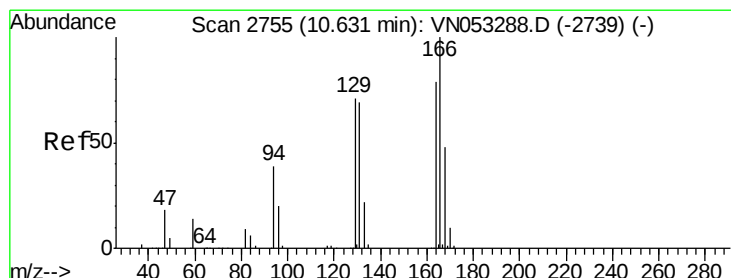
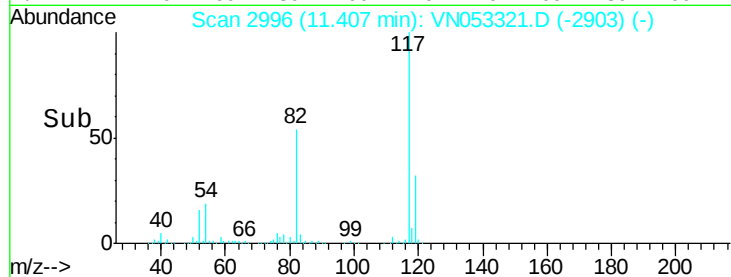
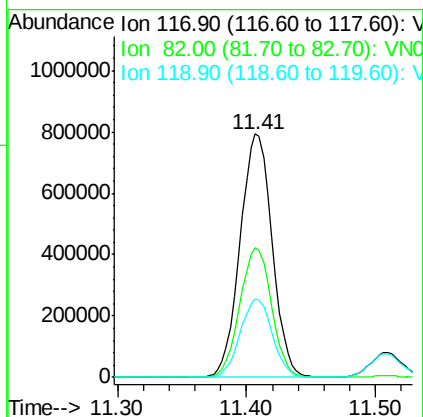
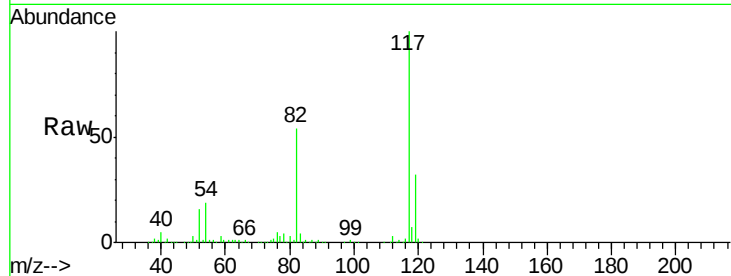




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

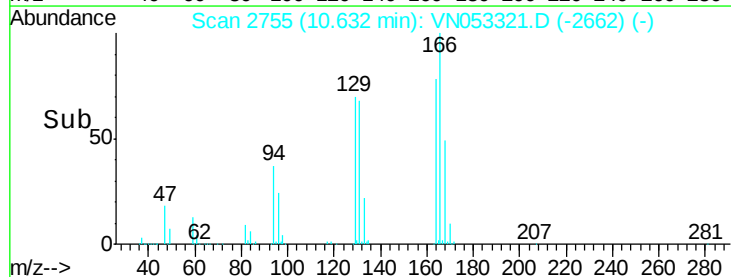
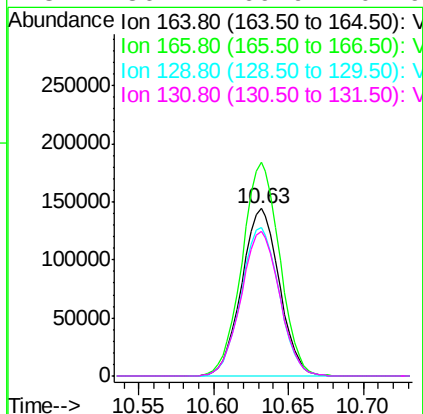
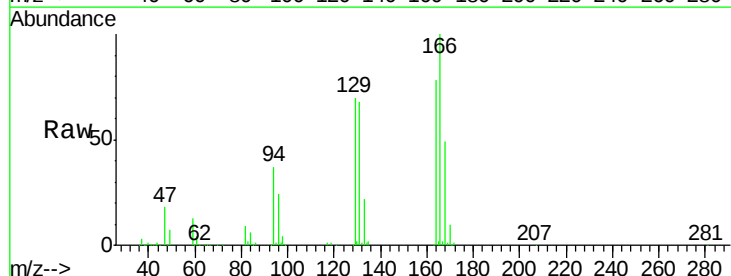
Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

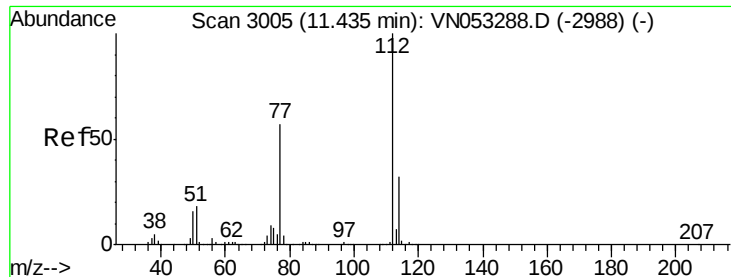
Tot Ion:117 Resp: 1369610
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 32.1 25.6 38.4



#64
Tetrachloroethene
Concen: 19.627 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:164 Resp: 253004
Ion Ratio Lower Upper
164 100
166 127.6 101.7 152.5
129 88.8 72.1 108.1
131 86.7 69.9 104.9

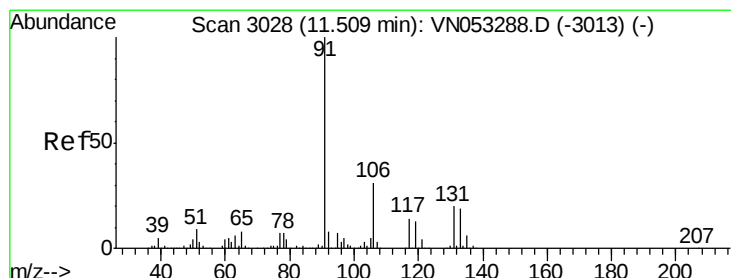
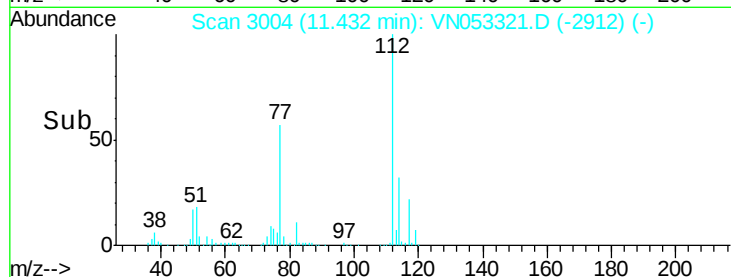
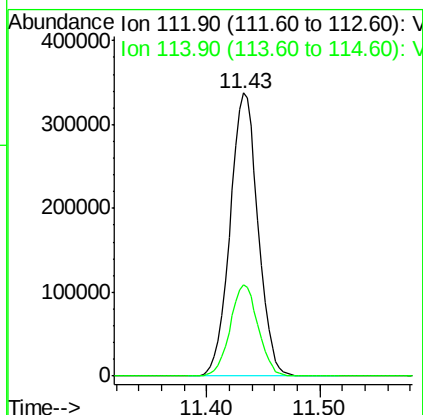
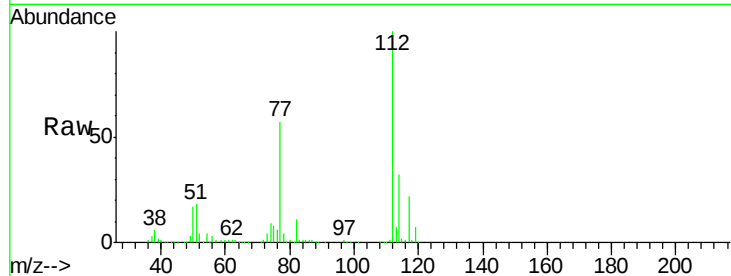




#65
Chlorobenzene
Concen: 19.457 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

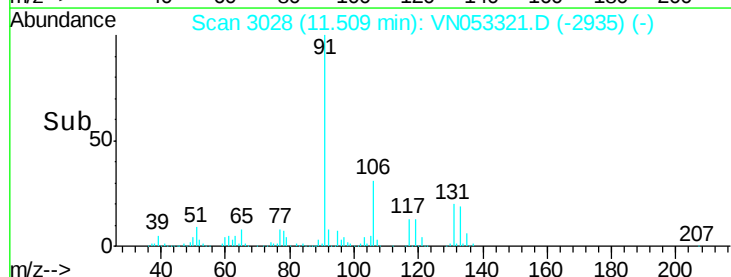
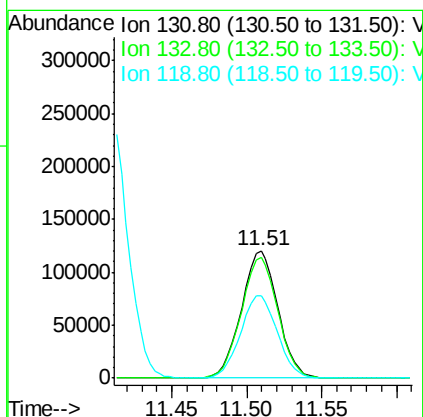
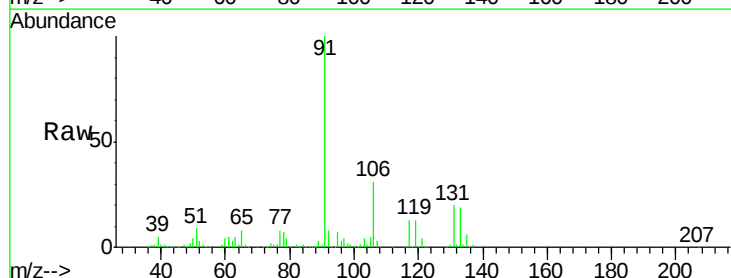
Instrument :
MSVOA_N
ClientSampleId :
VN0109WBS01

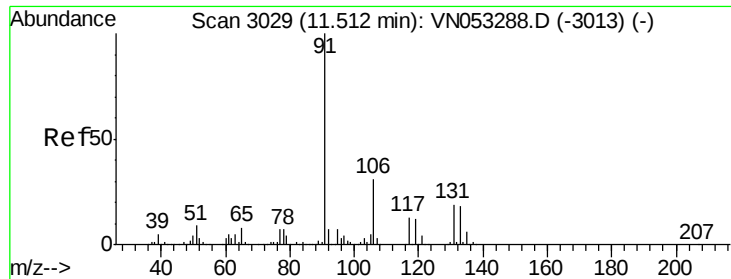
Tot Ion:112 Resp: 578910
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.539 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:131 Resp: 203475
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.0 33.3 99.9





#67

Ethyl Benzene

Concen: 19.782 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

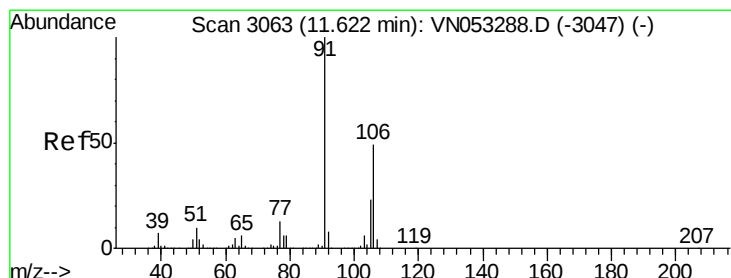
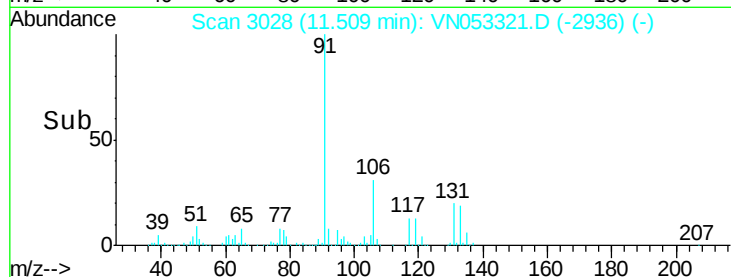
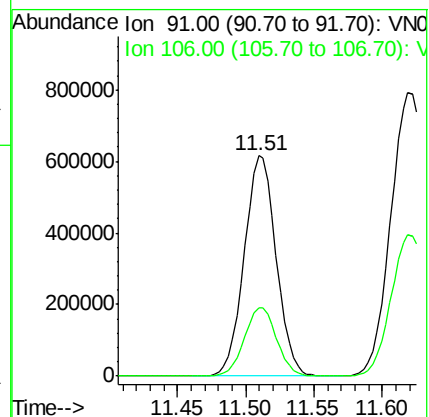
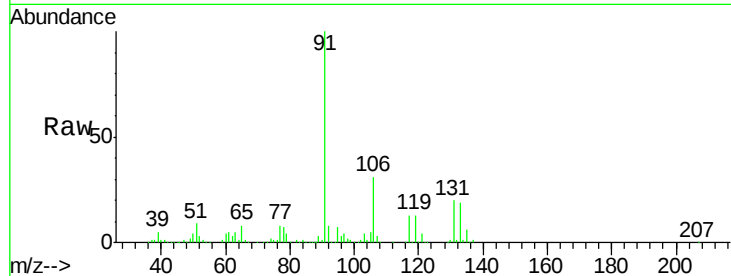
VN0109WBS01

Tot Ion: 91 Resp: 1000116

Ion Ratio Lower Upper

91 100

106 31.2 25.0 37.4



#68

m/p-Xylenes

Concen: 39.917 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053321.D

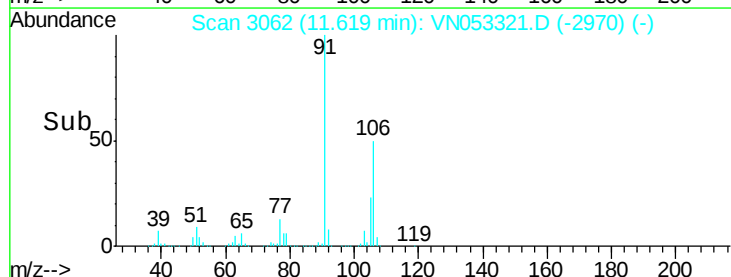
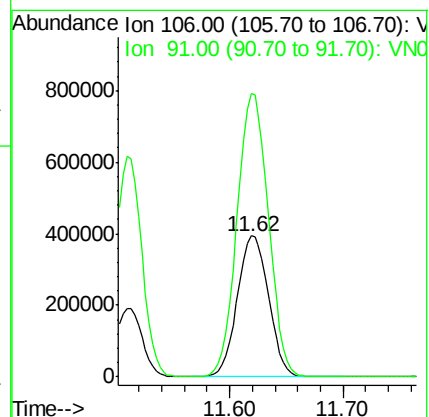
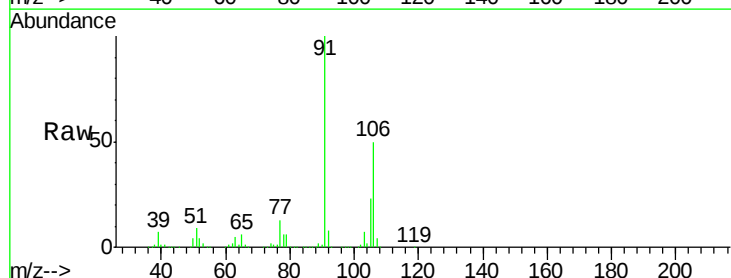
Acq: 9 Jan 2019 10:47

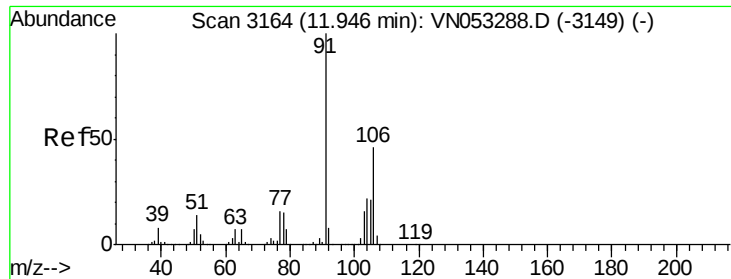
Tgt Ion: 106 Resp: 758854

Ion Ratio Lower Upper

106 100

91 201.3 161.4 242.2

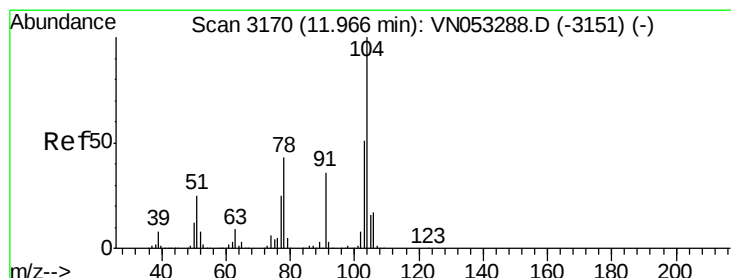
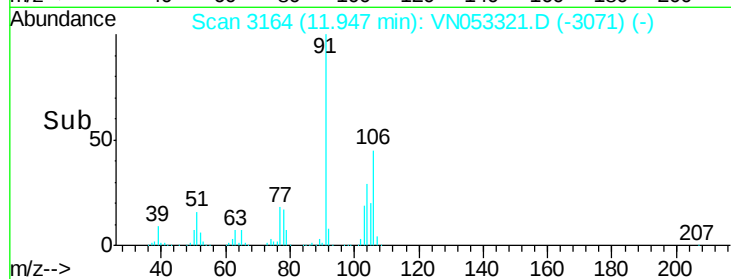
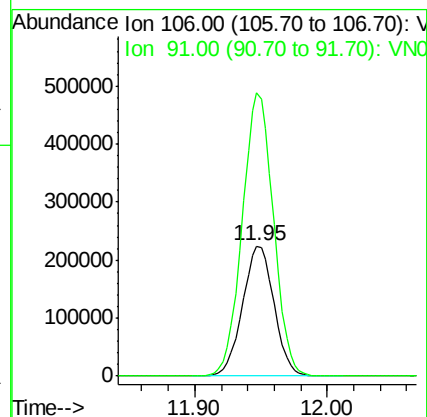
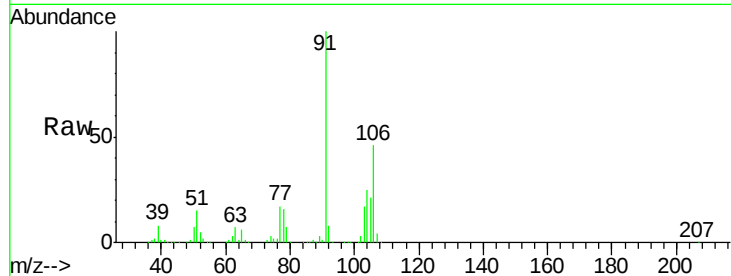




#69
o-Xylene
Concen: 19.801 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

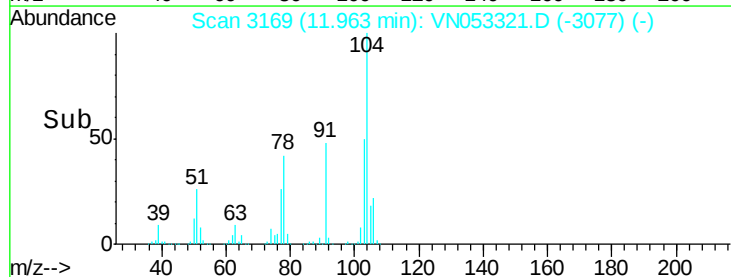
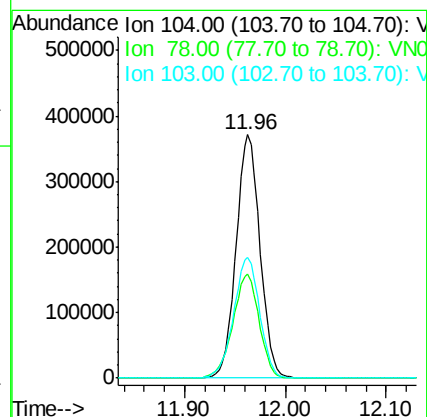
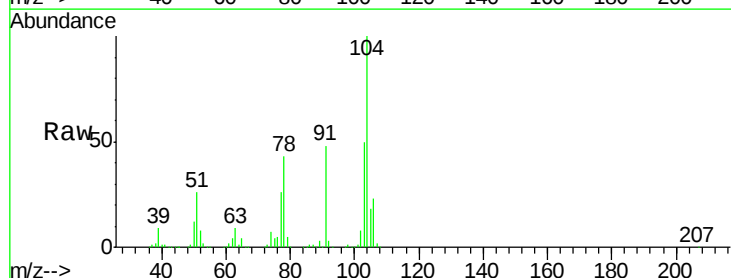
Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

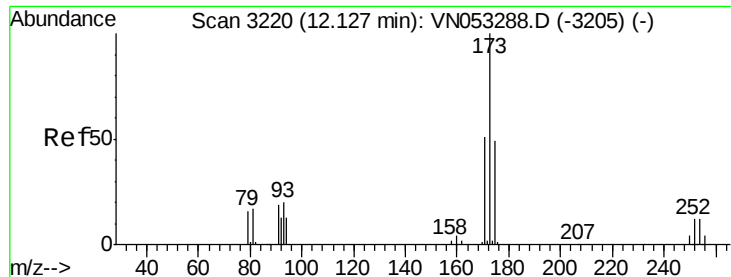
Tot Ion:106 Resp: 368535
Ion Ratio Lower Upper
106 100
91 216.2 106.8 320.4



#70
Styrene
Concen: 20.207 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:104 Resp: 612086
Ion Ratio Lower Upper
104 100
78 47.1 38.5 57.7
103 54.2 44.5 66.7

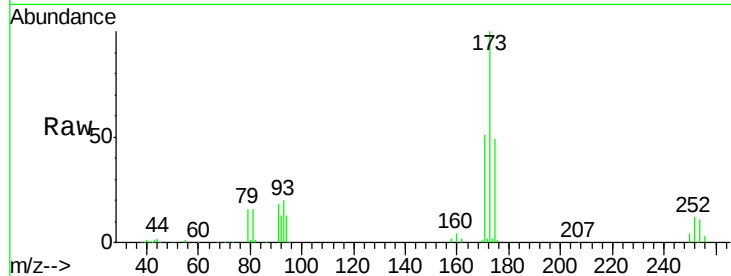




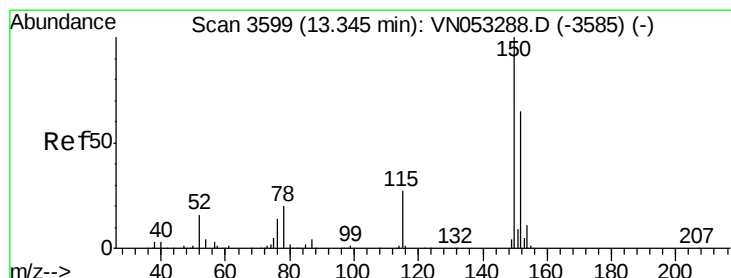
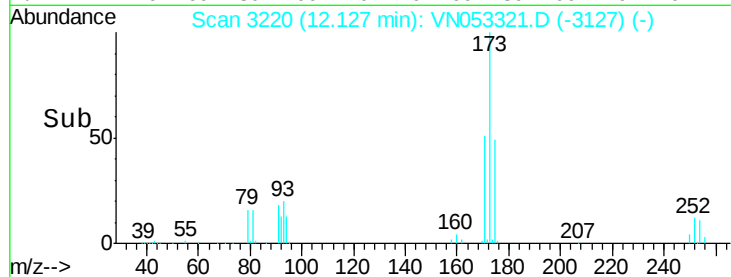
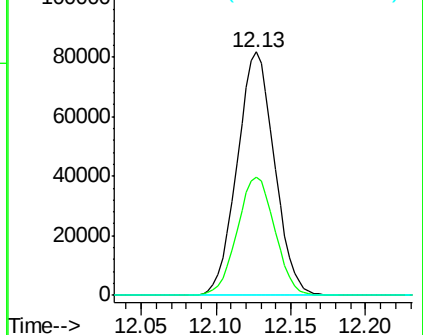
#71
Bromoform
Concen: 19.268 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

Tot Ion:173 Resp: 141733
Ion Ratio Lower Upper
173 100
175 48.9 24.3 72.8
254 0.0 0.2 0.2#

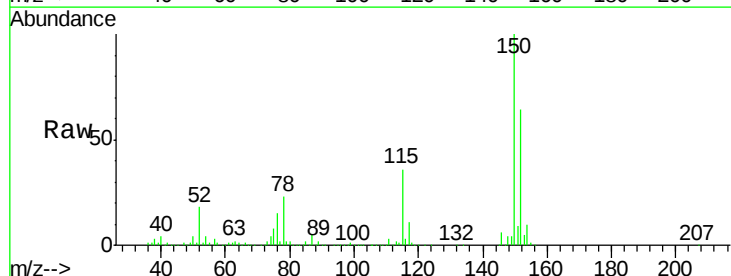


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

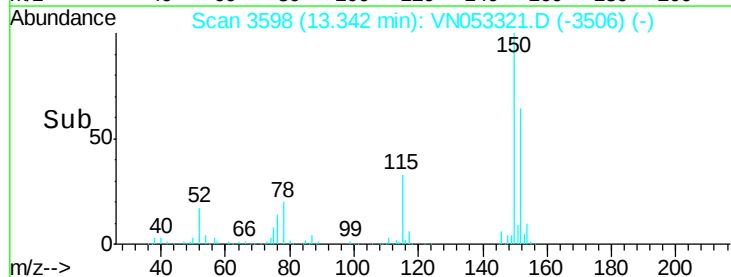
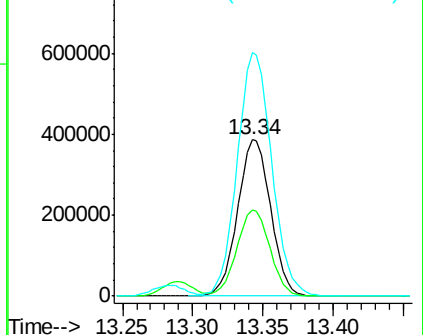


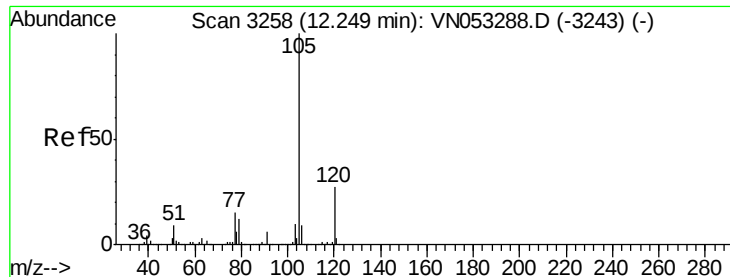
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:152 Resp: 632761
Ion Ratio Lower Upper
152 100
115 55.5 28.0 84.0
150 163.3 0.0 346.6



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





#73

Isopropylbenzene

Concen: 20.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

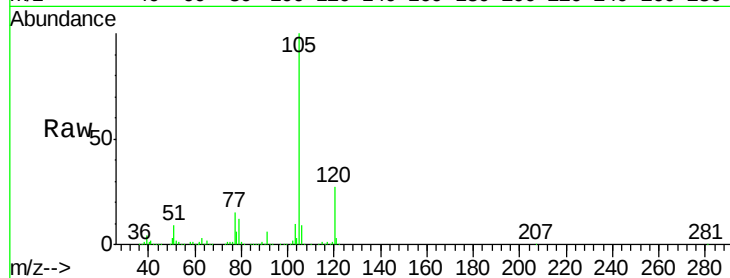
VN0109WBS01

Tot Ion:105 Resp: 977029

Ion Ratio Lower Upper

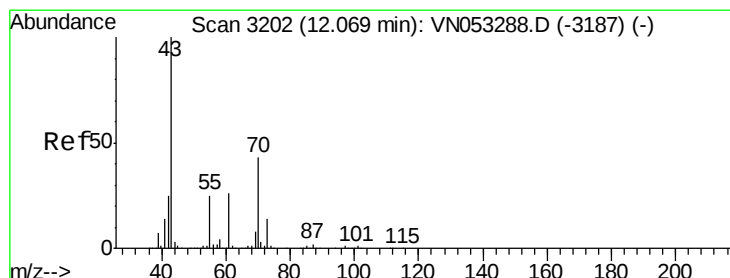
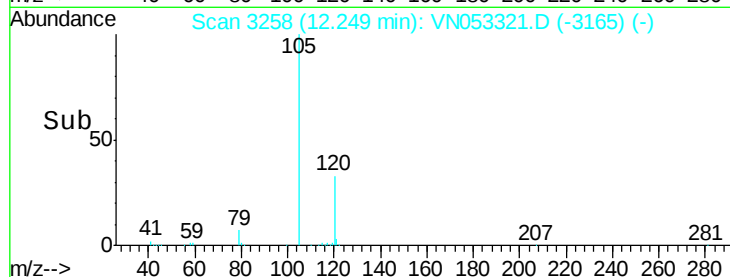
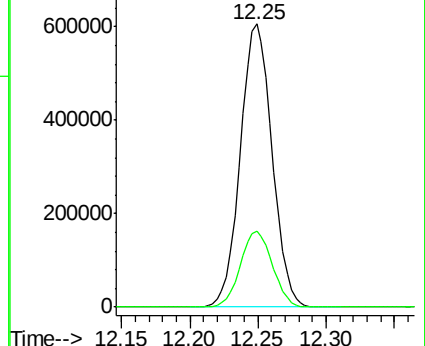
105 100

120 27.1 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.418 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Tgt Ion: 43 Resp: 273169

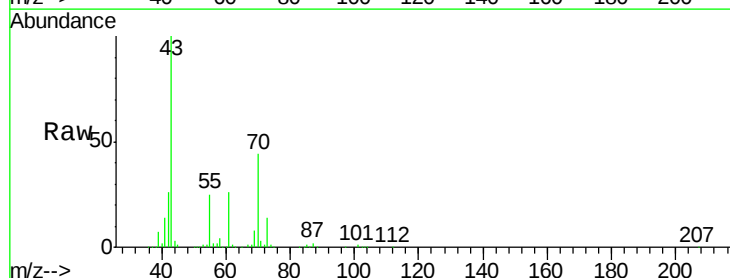
Ion Ratio Lower Upper

43 100

70 43.9 35.0 52.6

55 25.5 20.0 30.0

61 25.3 20.3 30.5

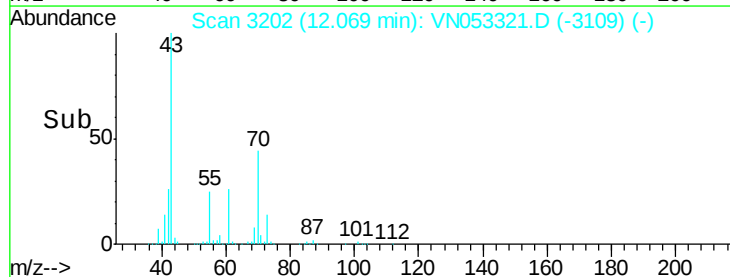
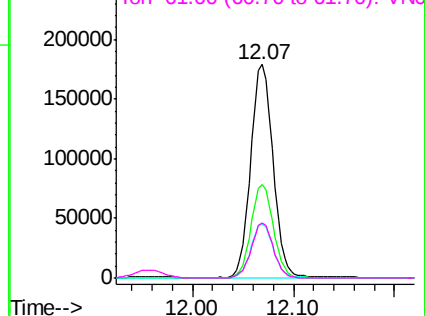


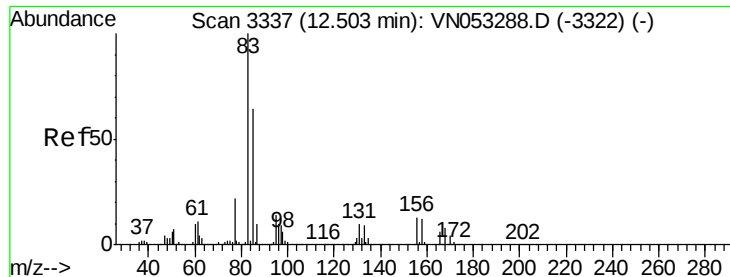
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.716 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

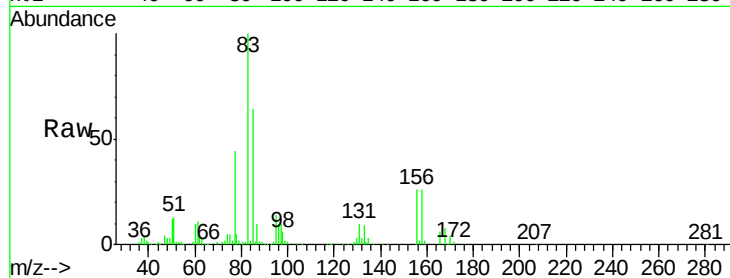
Tot Ion: 83 Resp: 213662

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.9

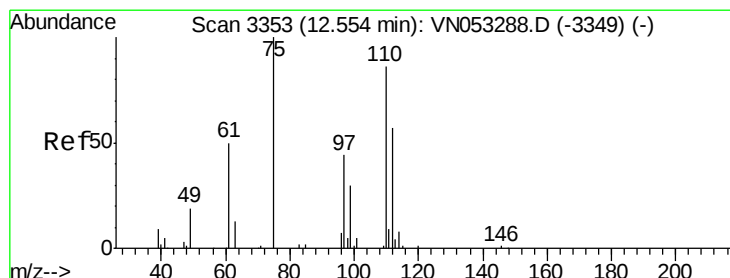
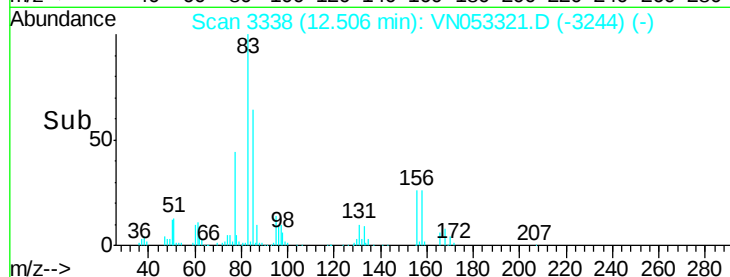
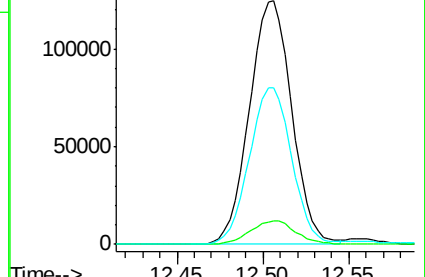
85 64.1 32.3 96.8



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: 30.763 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053321.D

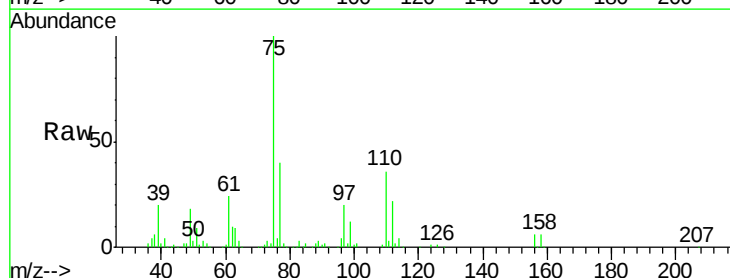
Acq: 9 Jan 2019 10:47

Tgt Ion: 75 Resp: 283917

Ion Ratio Lower Upper

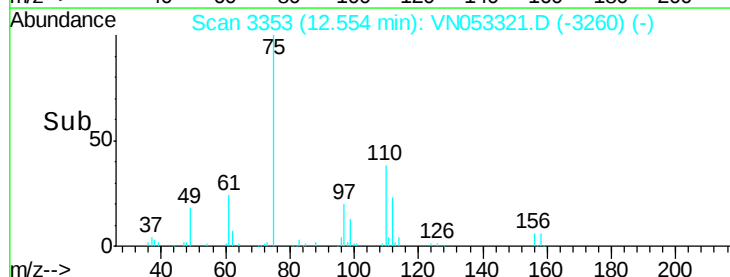
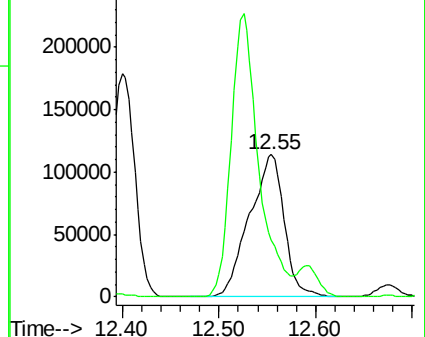
75 100

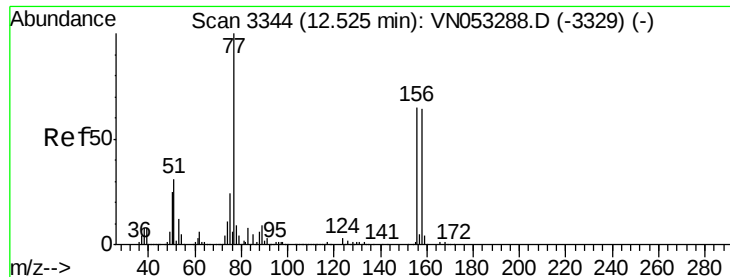
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.006 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

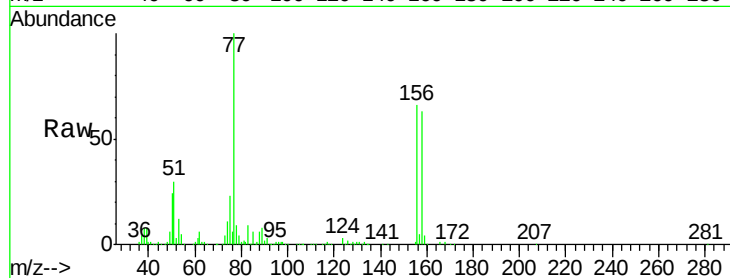
Tot Ion:156 Resp: 251543

Ion Ratio Lower Upper

156 100

77 180.0 89.3 268.1

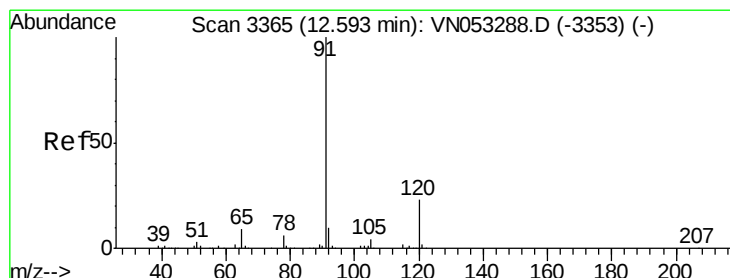
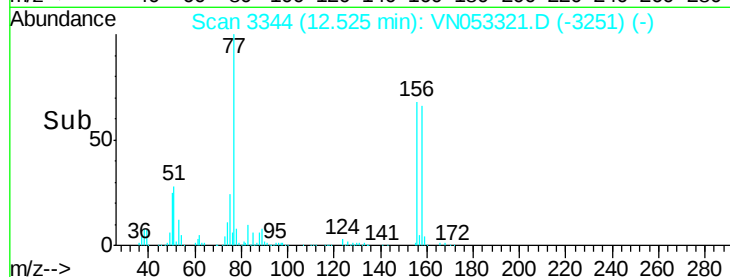
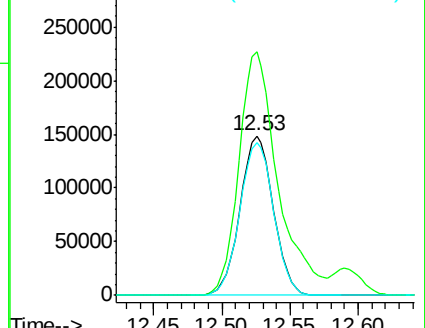
158 97.4 48.9 146.8



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: 20.507 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053321.D

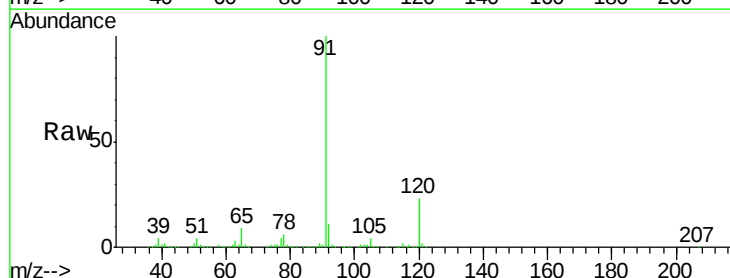
Acq: 9 Jan 2019 10:47

Tgt Ion: 91 Resp: 1092791

Ion Ratio Lower Upper

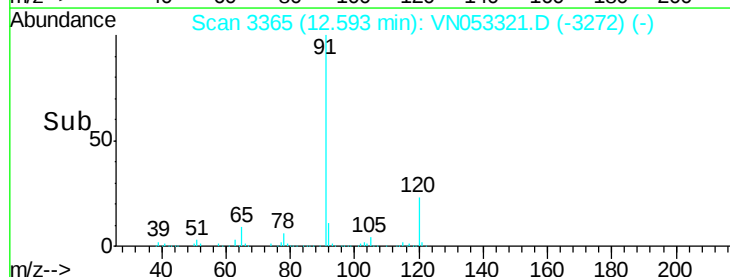
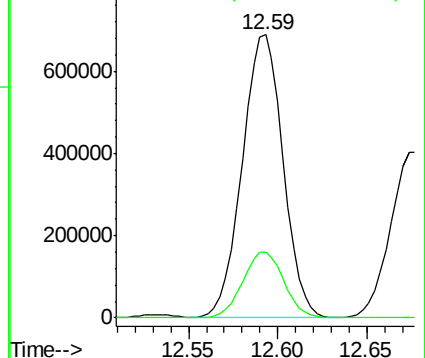
91 100

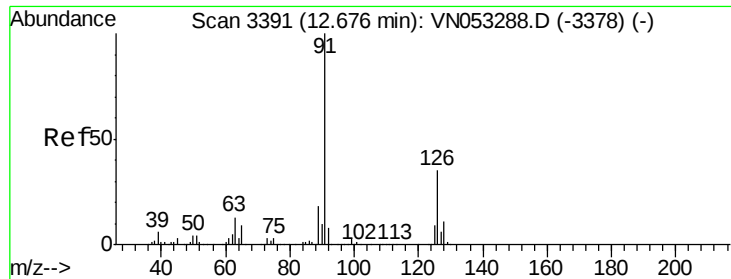
120 23.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.395 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

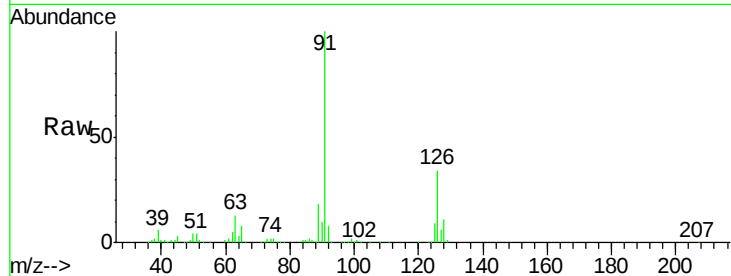
VN0109WBS01

Tot Ion: 91 Resp: 657622

Ion Ratio Lower Upper

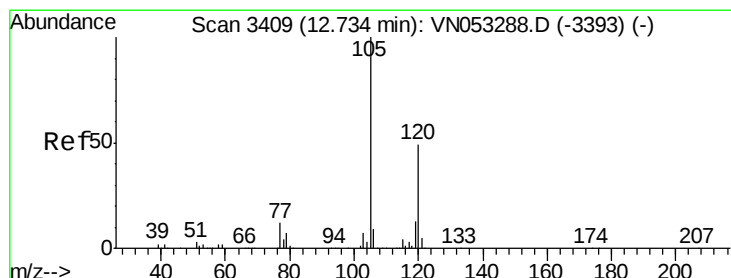
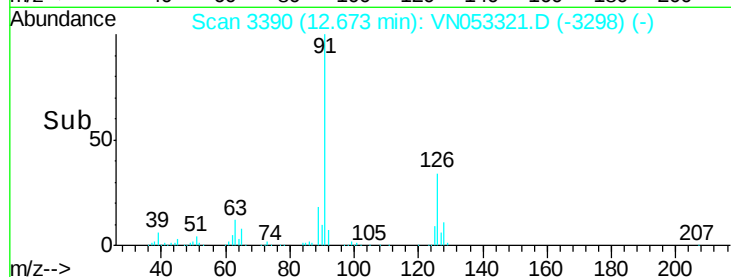
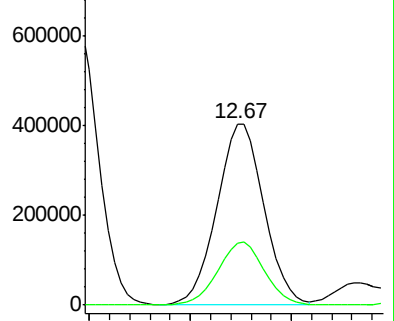
91 100

126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN053321.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053321.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.707 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053321.D

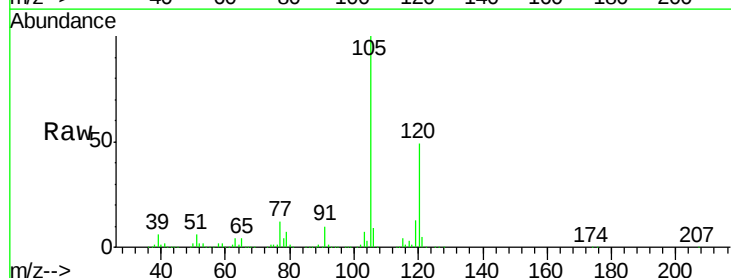
Acq: 9 Jan 2019 10:47

Tgt Ion: 105 Resp: 785794

Ion Ratio Lower Upper

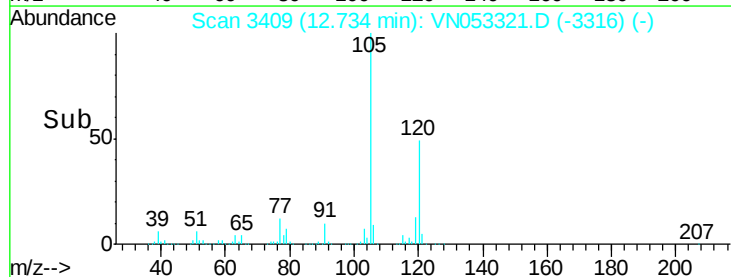
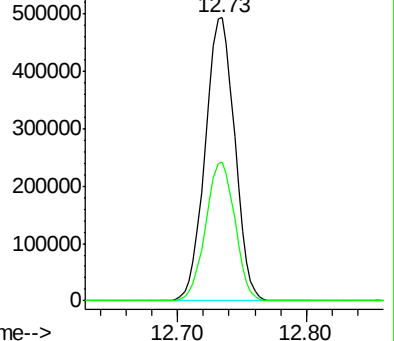
105 100

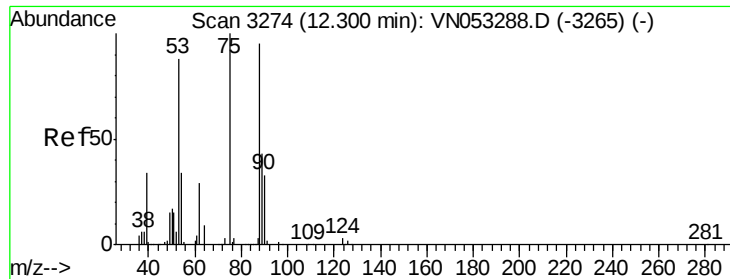
120 48.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN053321.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN053321.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.984 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

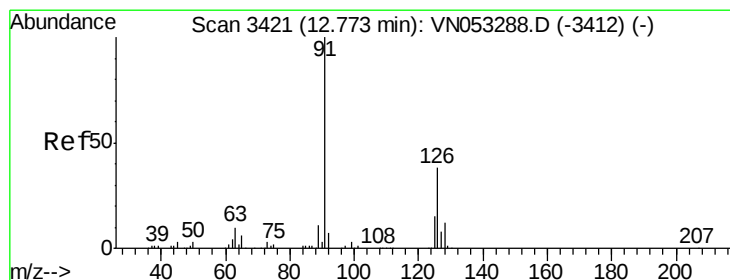
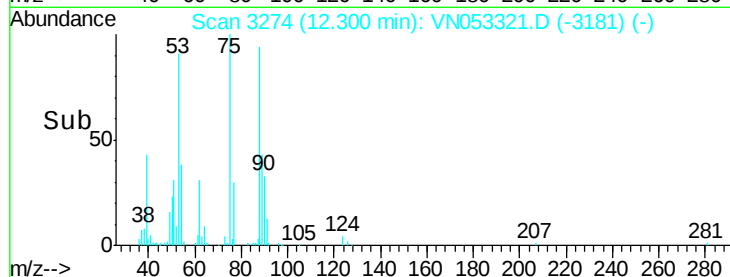
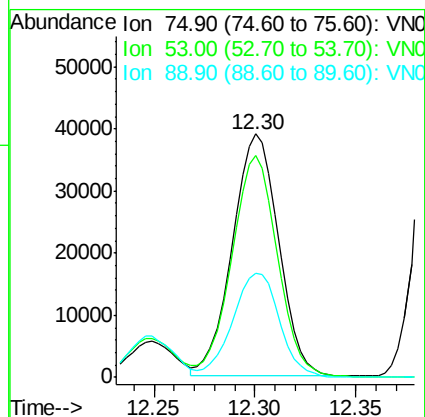
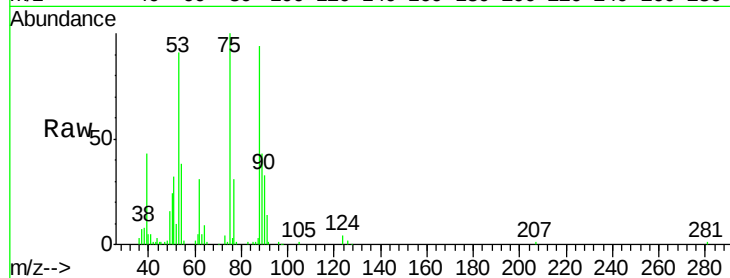
Tot Ion: 75 Resp: 62688

Ion Ratio Lower Upper

75 100

53 90.5 70.5 105.7

89 43.5 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.109 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053321.D

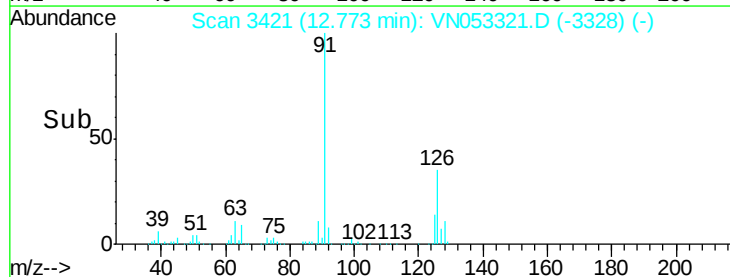
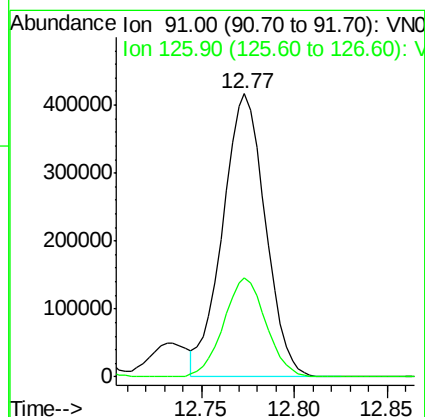
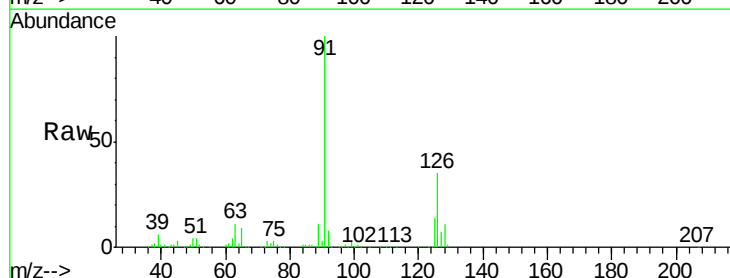
Acq: 9 Jan 2019 10:47

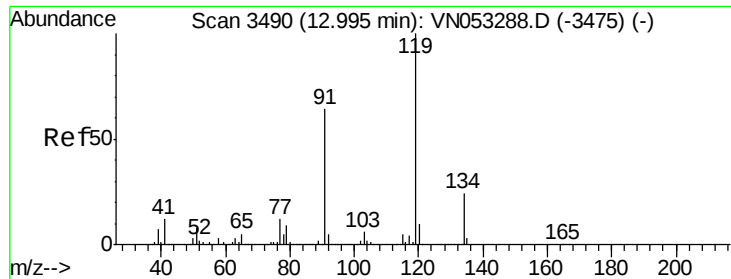
Tgt Ion: 91 Resp: 664883

Ion Ratio Lower Upper

91 100

126 34.7 17.4 52.2

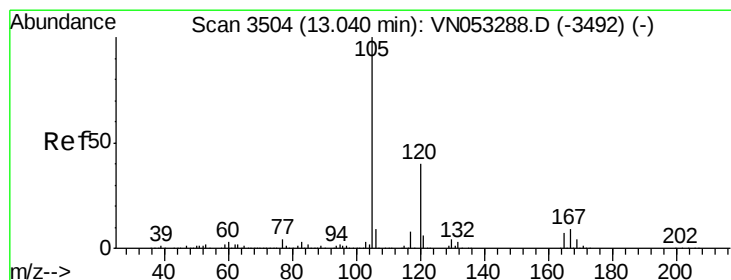
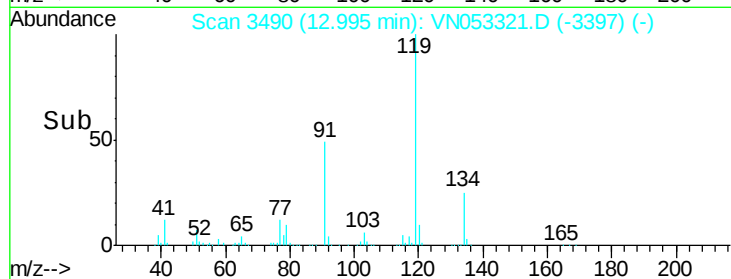
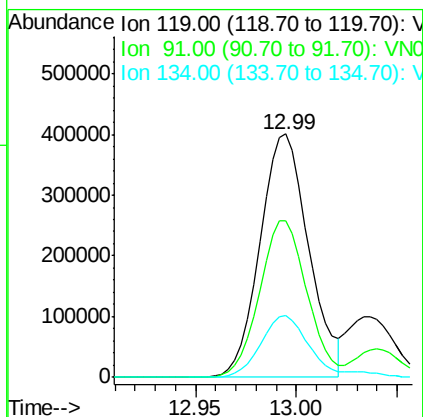
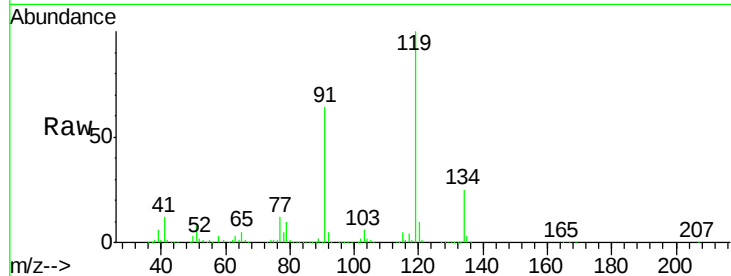




#83
tert-Butylbenzene
Concen: 20.277 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

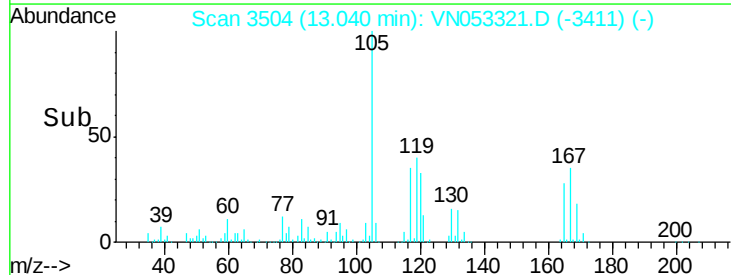
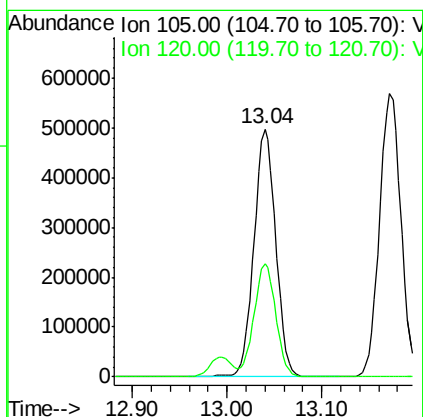
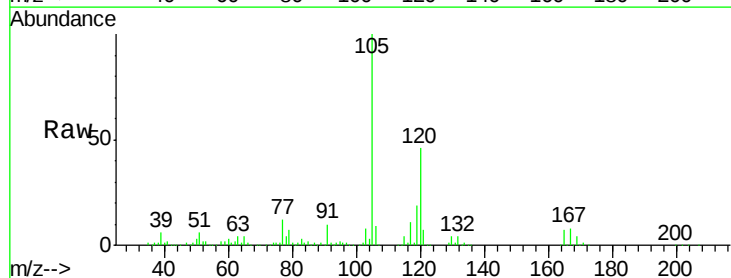
Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

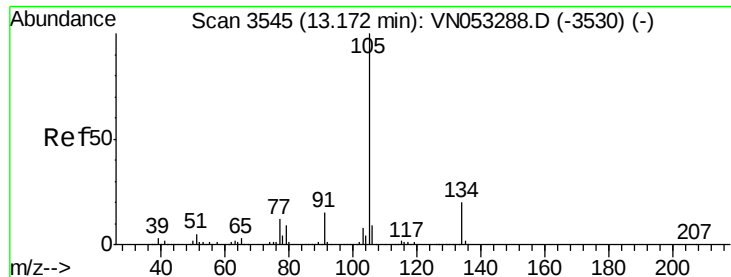
Tot Ion:119 Resp: 675104
Ion Ratio Lower Upper
119 100
91 62.4 31.6 95.0
134 26.2 12.9 38.6



#84
1,2,4-Trimethylbenzene
Concen: 20.560 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion:105 Resp: 794832
Ion Ratio Lower Upper
105 100
120 45.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.371 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

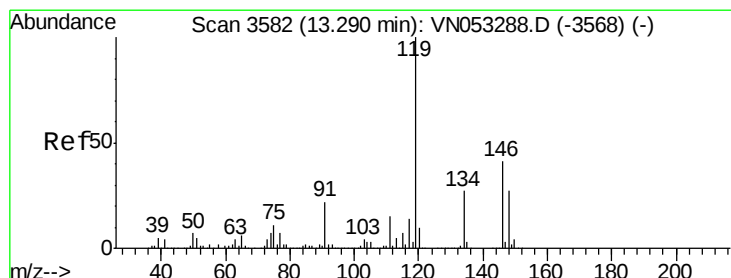
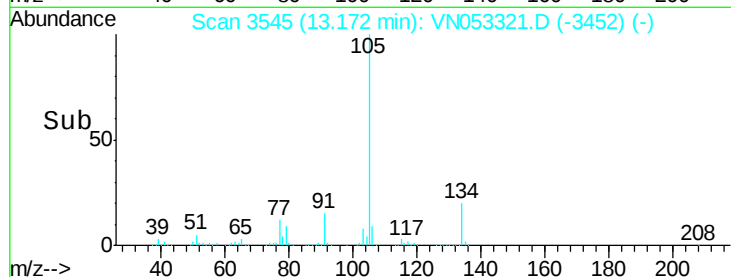
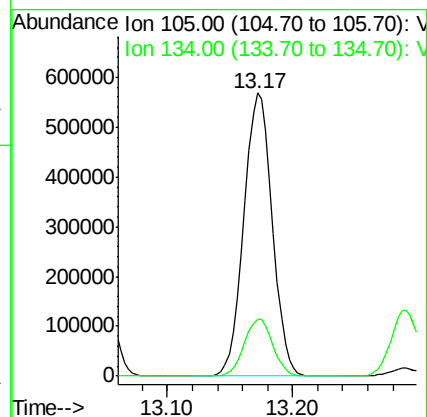
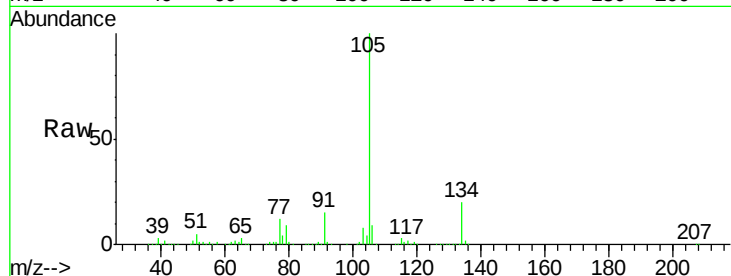
VN0109WBS01

Tot Ion:105 Resp: 894470

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.350 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

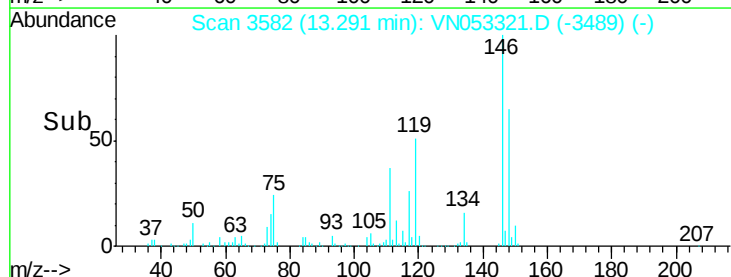
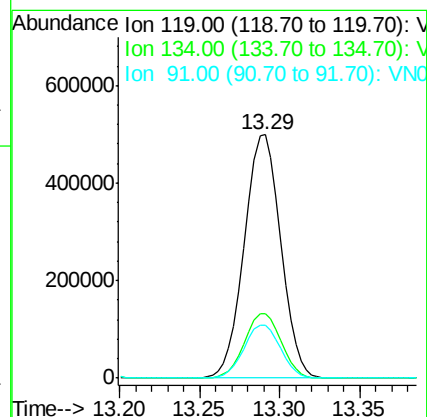
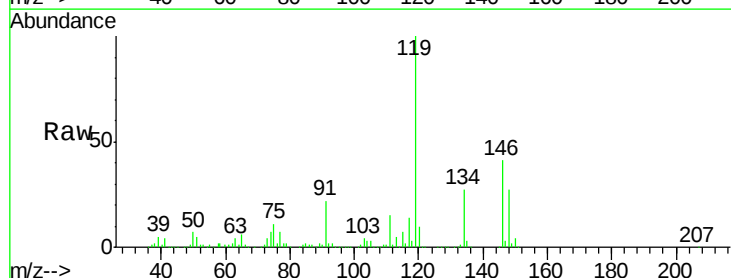
Tgt Ion:119 Resp: 773621

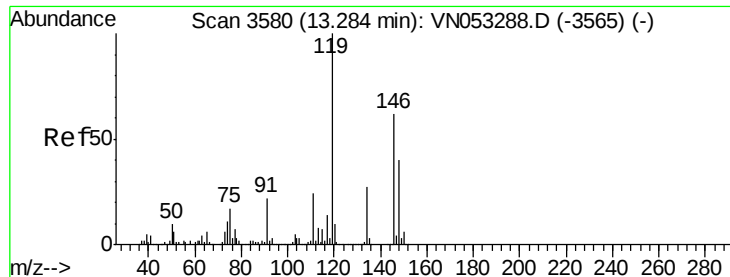
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 19.702 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

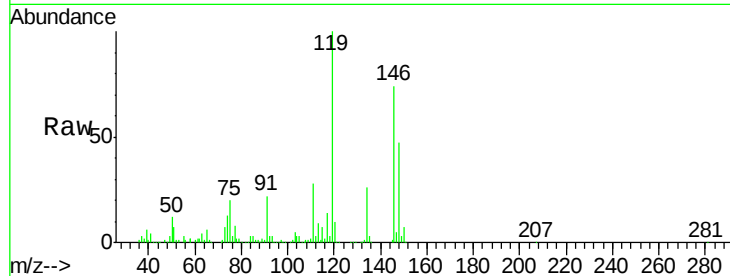
Tot Ion:146 Resp: 436249

Ion Ratio Lower Upper

146 100

111 37.8 18.9 56.5

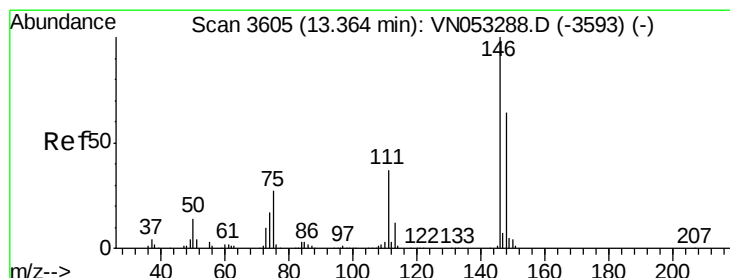
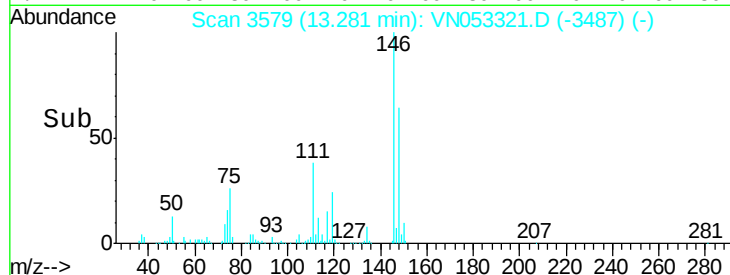
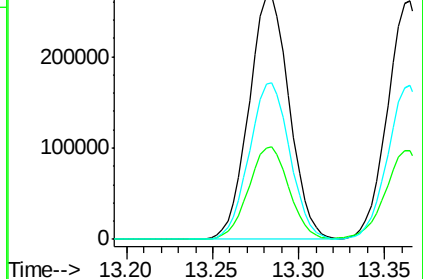
148 64.2 32.0 96.2



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: 19.487 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

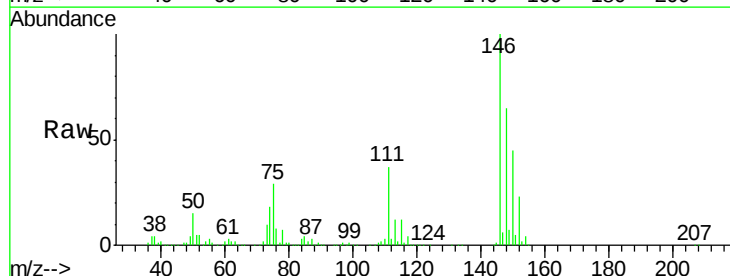
Tgt Ion:146 Resp: 428024

Ion Ratio Lower Upper

146 100

111 38.3 18.6 55.8

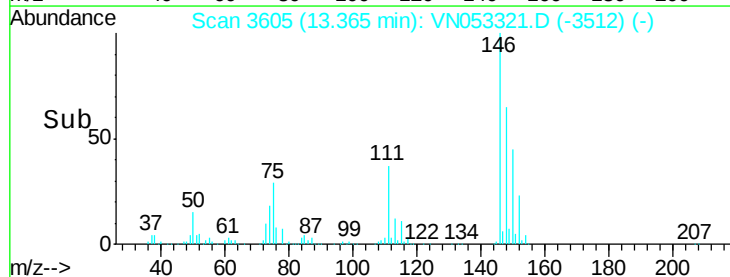
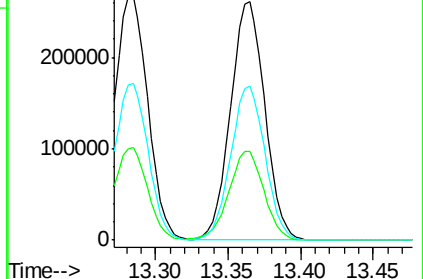
148 64.7 32.0 96.0

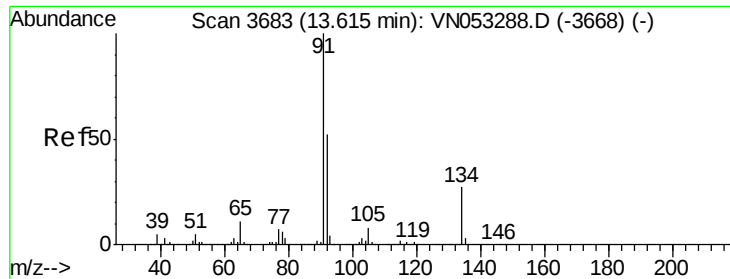


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

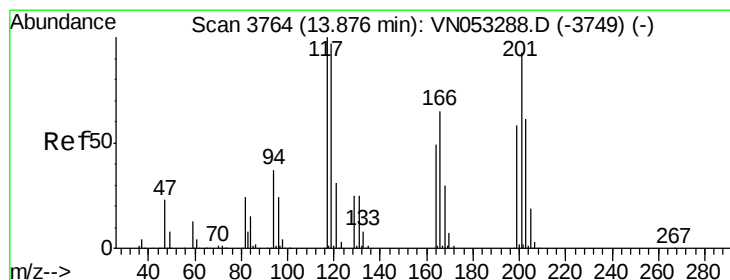
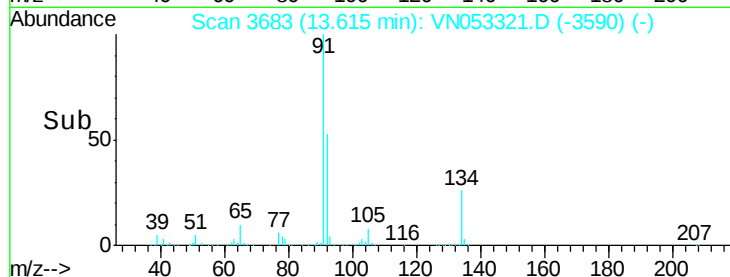
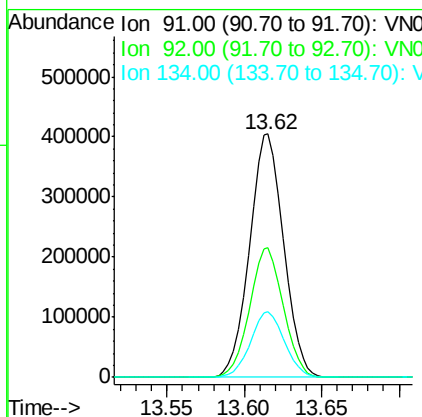
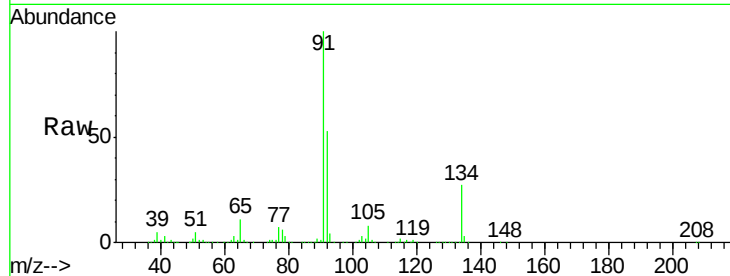




#89
n-Butylbenzene
Concen: 19.502 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

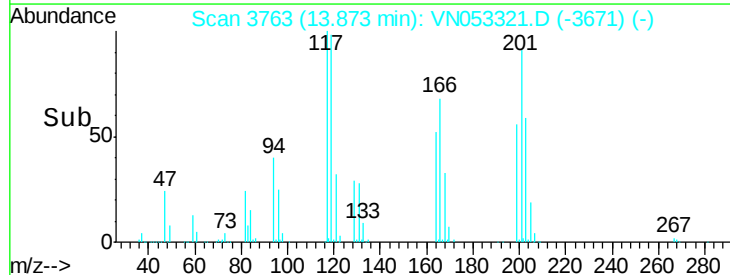
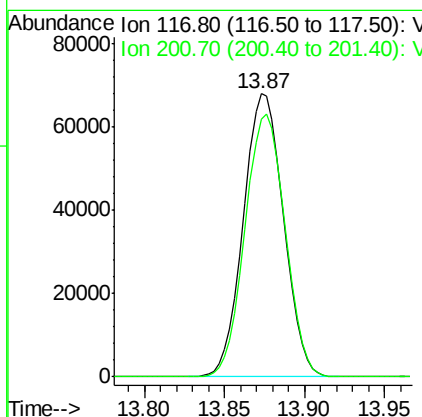
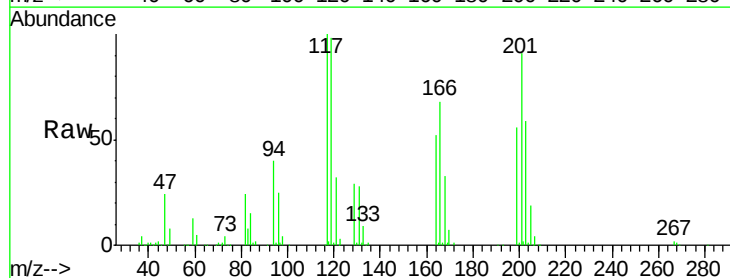
Instrument :
MSVOA_N
ClientSampled :
VN0109WBS01

Tot Ion: 91 Resp: 621579
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.8
134 26.9 13.5 40.5



#90
Hexachloroethane
Concen: 19.127 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053321.D
Acq: 9 Jan 2019 10:47

Tgt Ion: 117 Resp: 116547
Ion Ratio Lower Upper
117 100
201 92.8 46.1 138.3





#91

1,2-Dichlorobenzene

Concen: 19.807 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

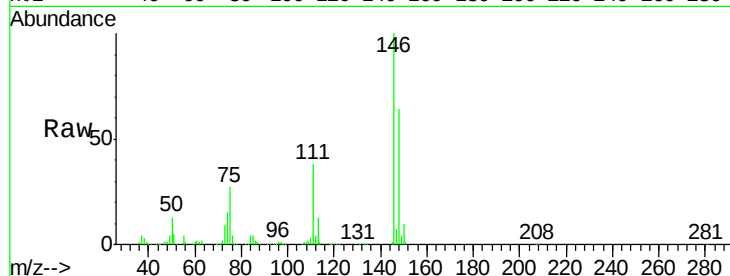
Tot Ion:146 Resp: 410807

Ion Ratio Lower Upper

146 100

111 38.7 19.4 58.2

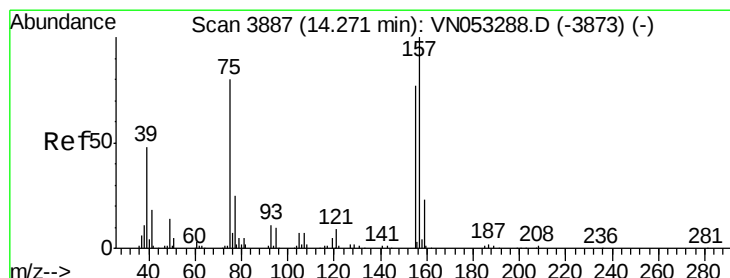
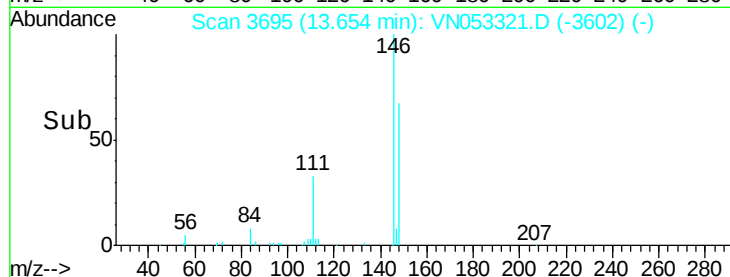
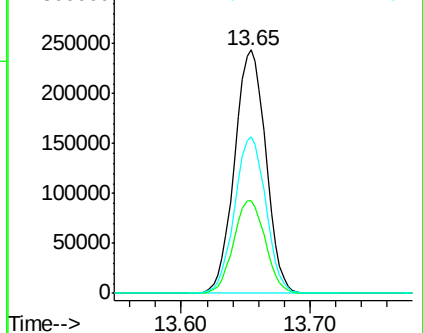
148 64.2 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.474 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

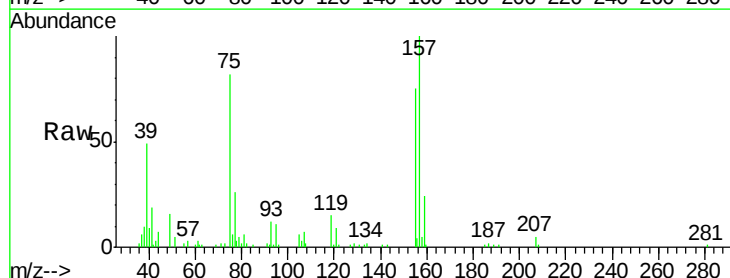
Tgt Ion: 75 Resp: 26912

Ion Ratio Lower Upper

75 100

155 95.5 48.1 144.3

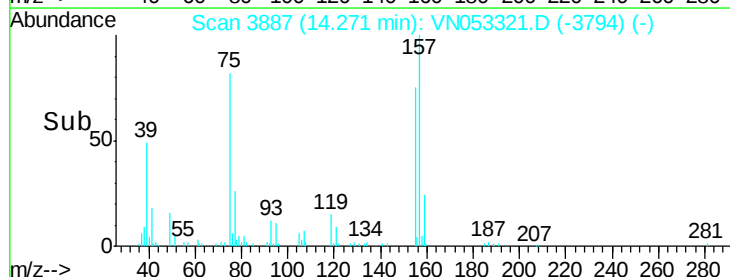
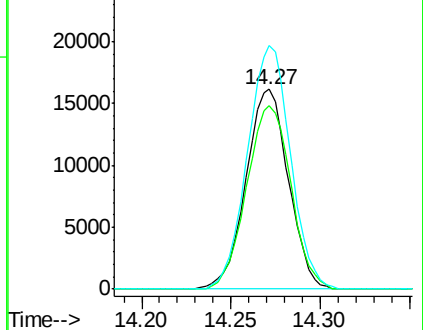
157 123.1 61.5 184.4

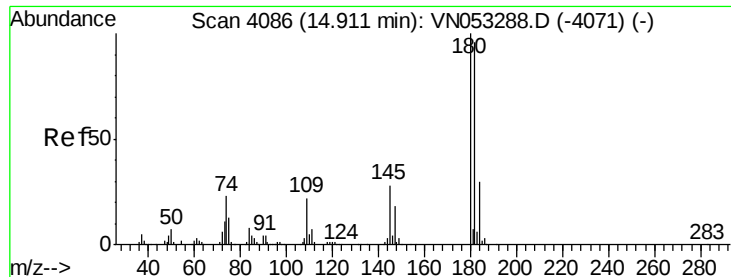


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

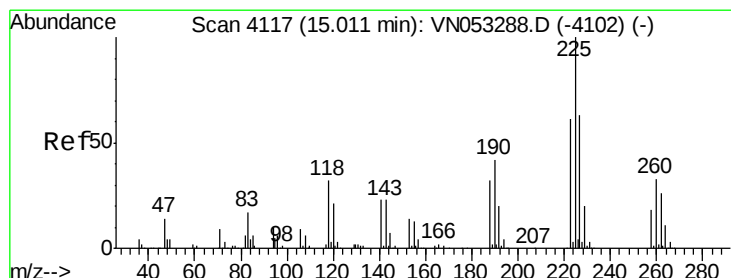
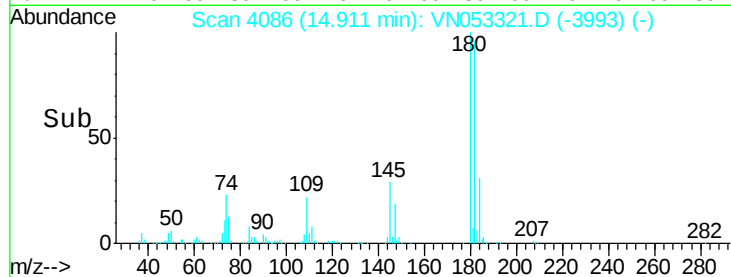
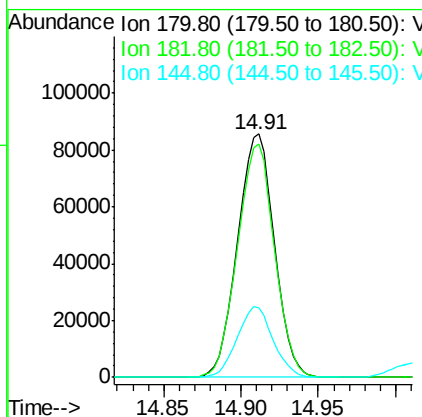
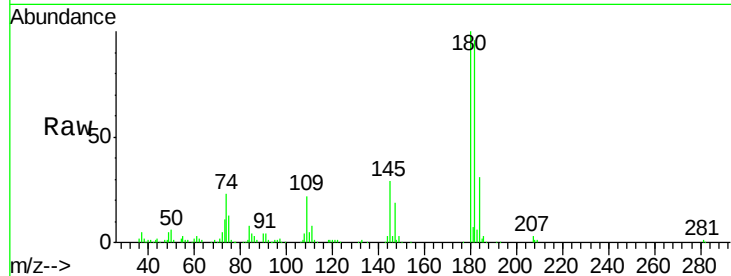




#93
 1,2,4-Trichlorobenzene
 Concen: 21.791 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

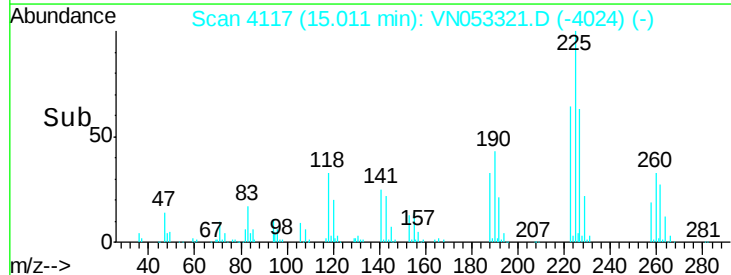
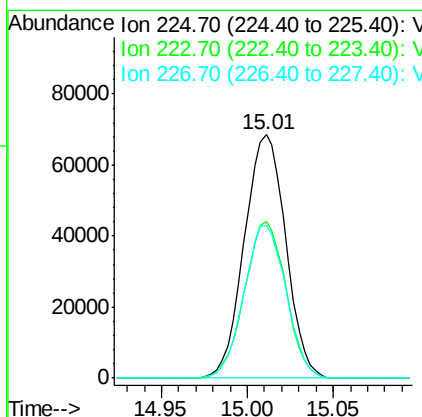
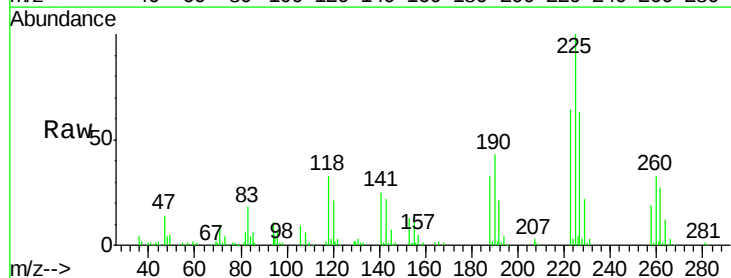
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0109WBS01

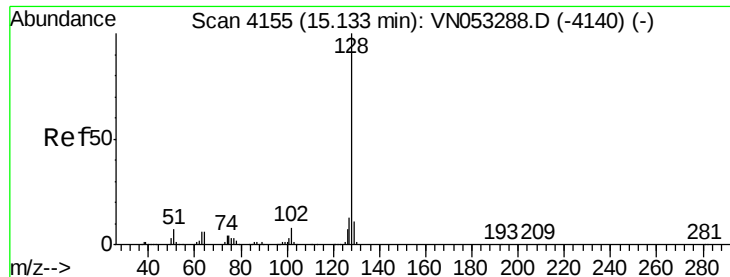
Tot Ion:180 Resp: 142106
 Ion Ratio Lower Upper
 180 100
 182 96.3 47.8 143.4
 145 28.3 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 21.497 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053321.D
 Acq: 9 Jan 2019 10:47

Tgt Ion:225 Resp: 114668
 Ion Ratio Lower Upper
 225 100
 223 64.1 30.9 92.8
 227 63.5 31.4 94.2





#95

Naphthalene

Concen: 22.687 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

VN0109WBS01

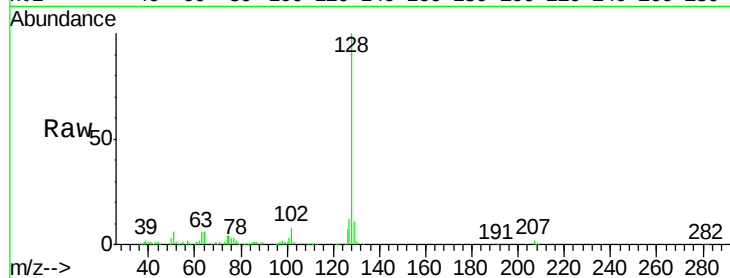
Tot Ion:128 Resp: 252396

Ion Ratio Lower Upper

128 100

127 12.4 10.4 15.6

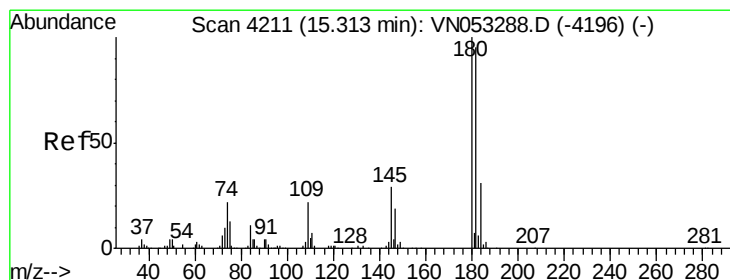
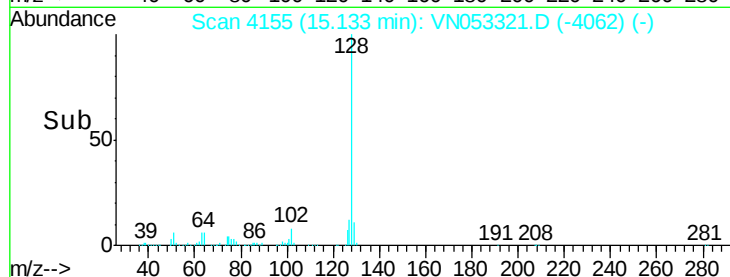
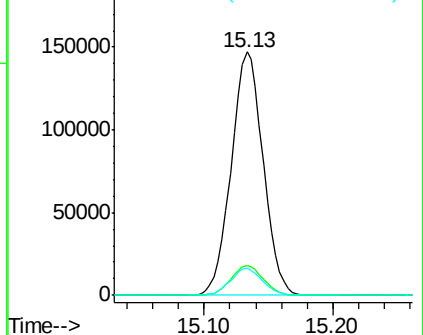
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.503 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053321.D

Acq: 9 Jan 2019 10:47

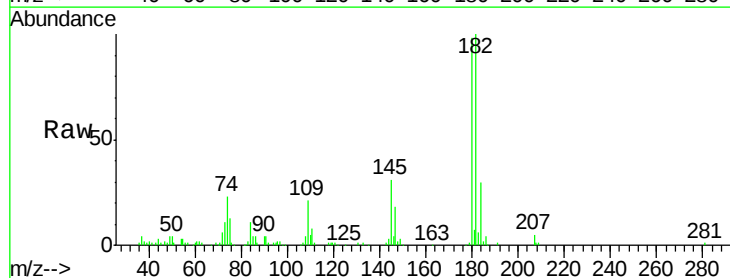
Tgt Ion:180 Resp: 96078

Ion Ratio Lower Upper

180 100

182 99.5 48.4 145.0

145 30.0 14.9 44.5



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

