

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
 Data File : VN053336.D
 Acq On : 10 Jan 2019 12:47
 Operator : MD\SY
 Sample : K1095-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-29

Quant Time: Jan 11 05:41:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	148395	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	853359	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	748513	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	286729	30.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.40%
60) 4-Bromofluorobenzene	12.40	95	321366	28.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.53%
63) Toluene-d8	10.09	98	1000432	29.67	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.90%

Target Compounds

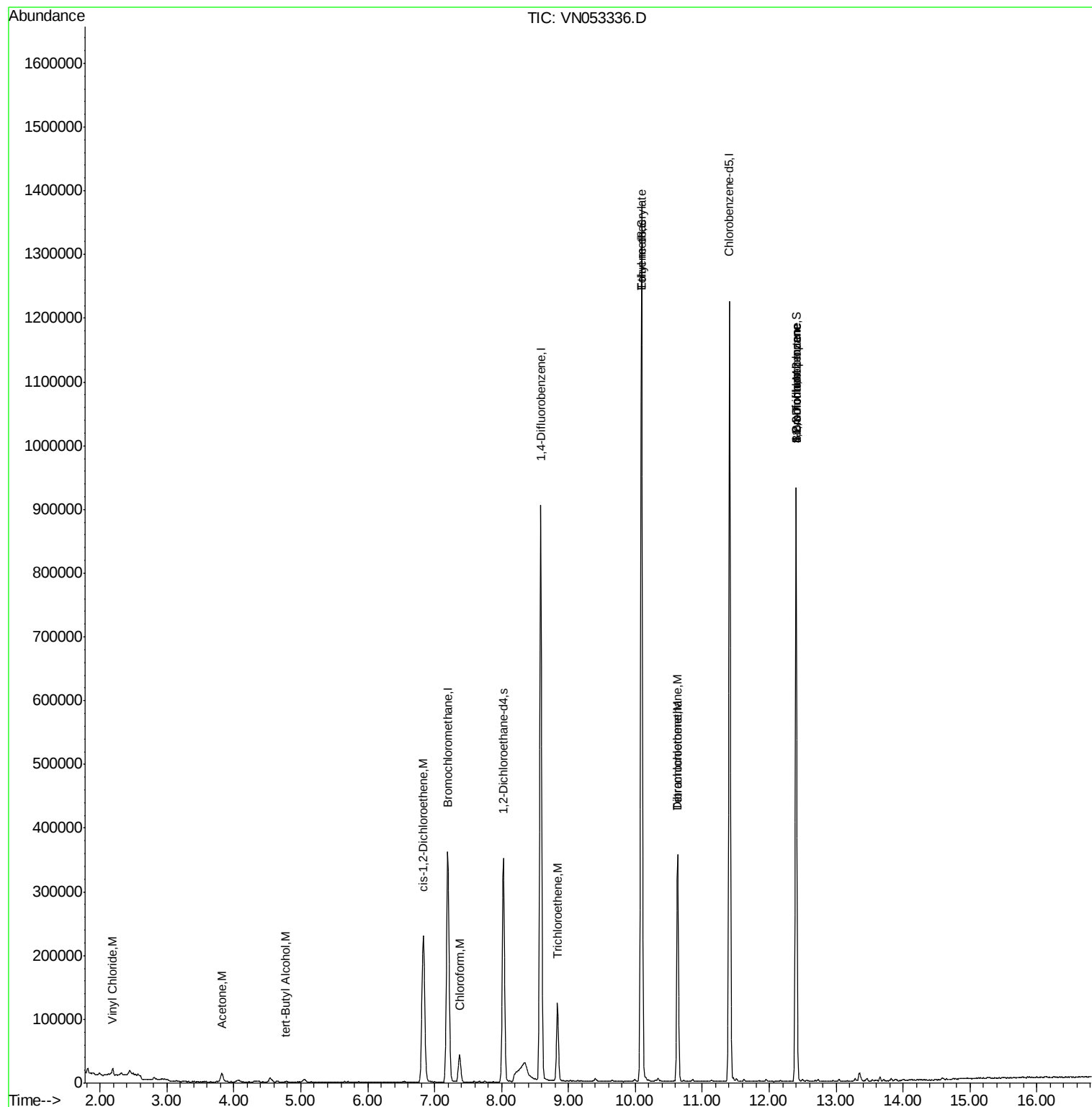
					Qvalue	
4) Vinyl Chloride	2.19	62	6509	0.570	ug/l	93
15) Acetone	3.82	58	3272	5.106	ug/l	89
22) cis-1,2-Dichloroethene	6.83	96	163323	15.867	ug/l	88
23) tert-Butyl Alcohol	4.78	59	126	0.248	ug/l #	100
25) Chloroform	7.37	83	46838	2.873	ug/l	98
37) Trichloroethene	8.83	130	47805	4.543	ug/l	95
51) Ethyl methacrylate	10.09	69	2967	0.277	ug/l	89
53) Dibromochloromethane	10.63	129	80668	8.732	ug/l #	12
56) Bromoform	12.40	173	2403	0.380	ug/l #	1
61) Tetrachloroethene	10.63	164	90243	8.158	ug/l	96
72) 1,2,3-Trichloropropane	12.40	75	149597	18.905	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	149597	53.804	ug/l #	11

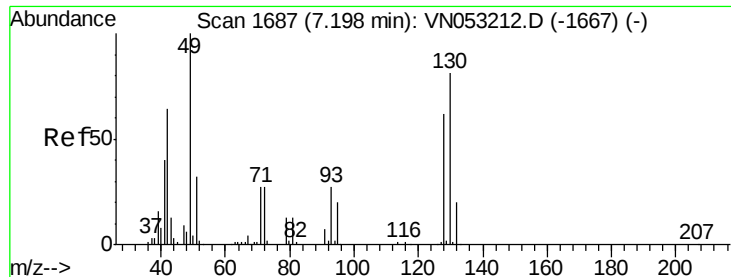
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN011019\
Data File : VN053336.D
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
2-AVE-29

Quant Time: Jan 11 05:41:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration

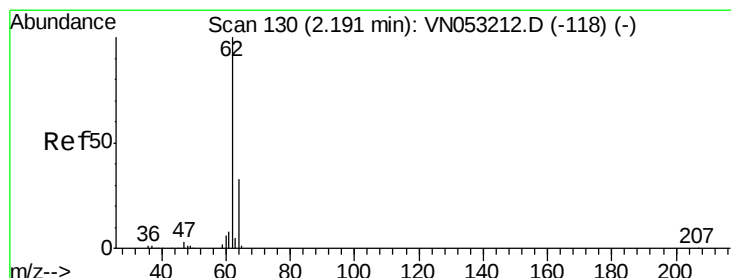
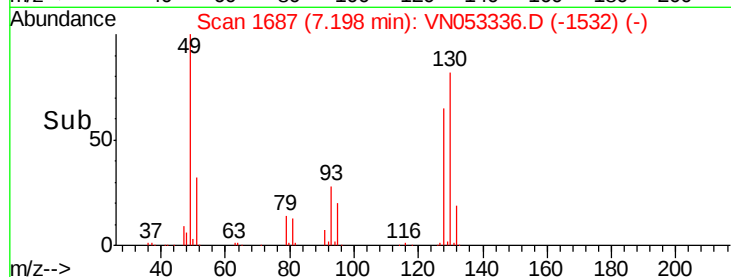
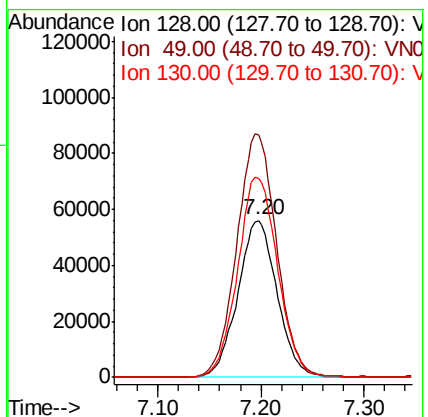
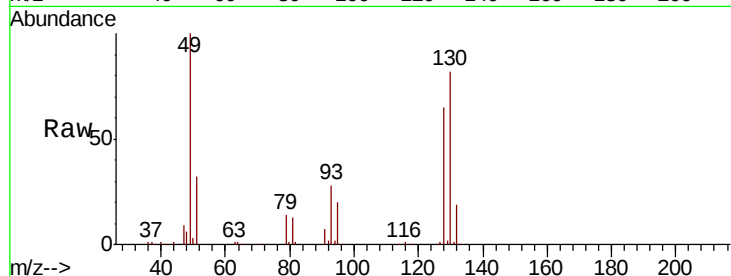




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

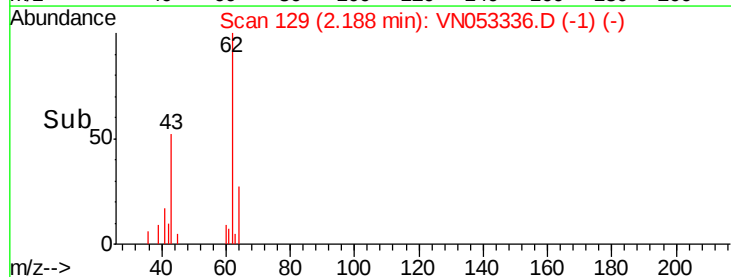
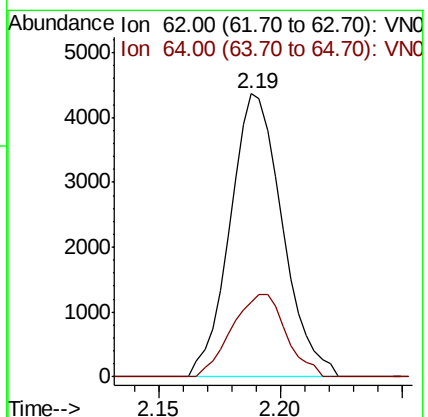
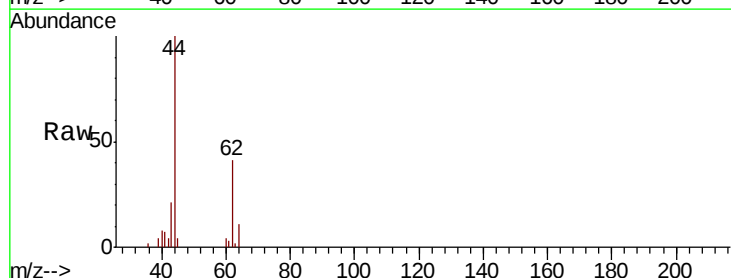
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-29

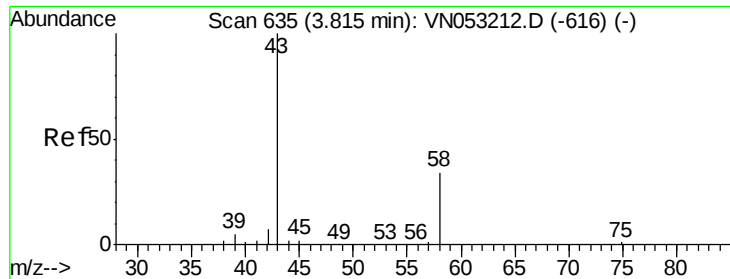
Tgt Ion:128 Resp: 148395
 Ion Ratio Lower Upper
 128 100
 49 157.3 0.0 431.8
 130 130.1 0.0 317.0



#4
 Vinyl Chloride
 Concen: 0.570 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

Tgt Ion: 62 Resp: 6509
 Ion Ratio Lower Upper
 62 100
 64 26.5 24.2 36.4





#15

Acetone

Concen: 5.106 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053336.D

Acq: 10 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

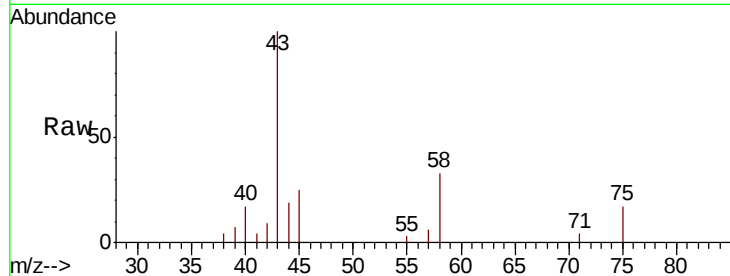
2-AVE-29

Tgt Ion: 58 Resp: 3272

Ion Ratio Lower Upper

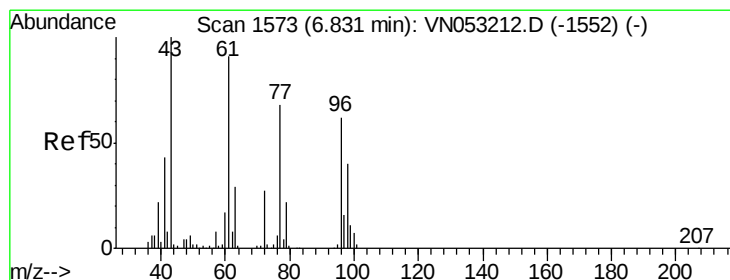
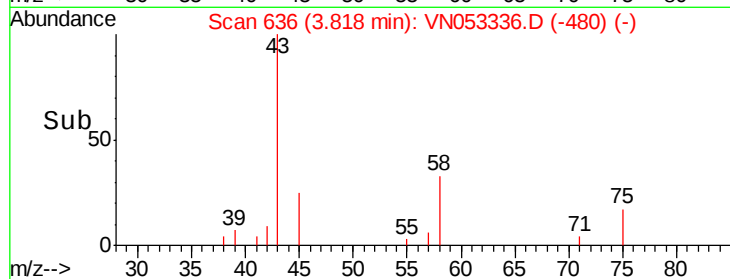
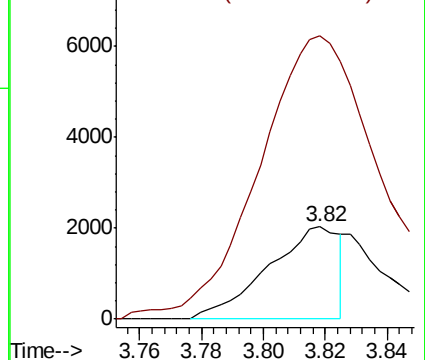
58 100

43 283.6 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 15.867 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN053336.D

Acq: 10 Jan 2019 12:47

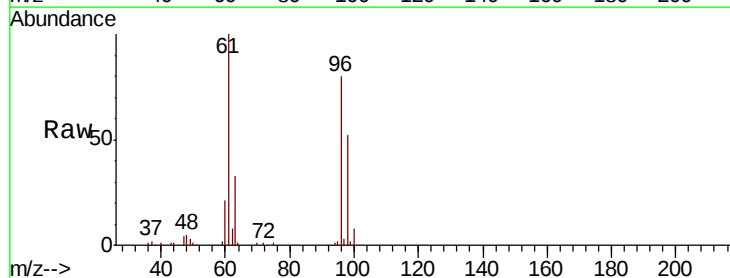
Tgt Ion: 96 Resp: 163323

Ion Ratio Lower Upper

96 100

61 125.0 116.7 175.1

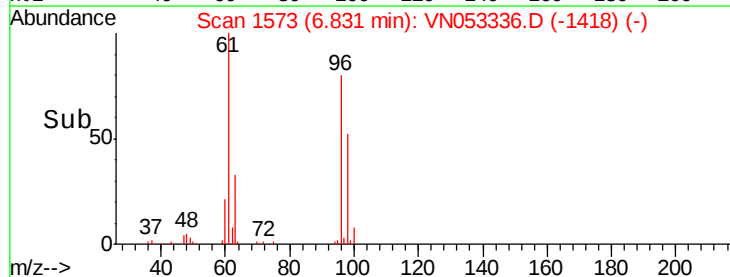
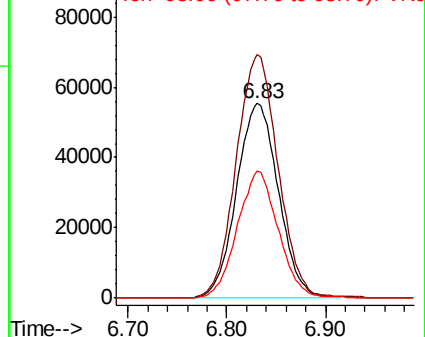
98 63.3 50.8 76.2

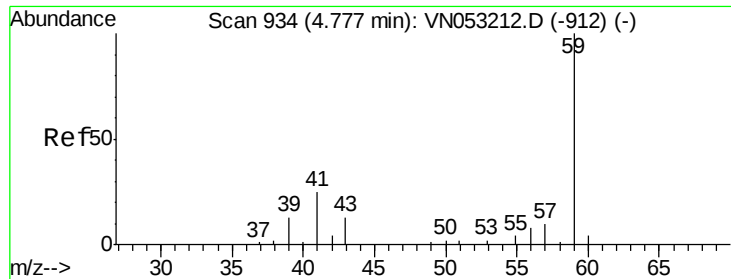


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

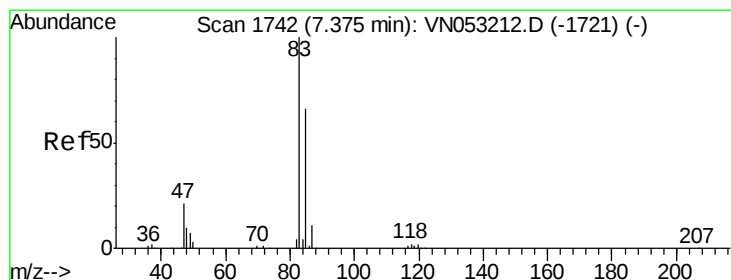
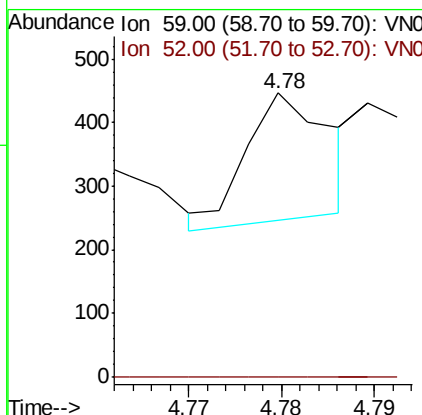
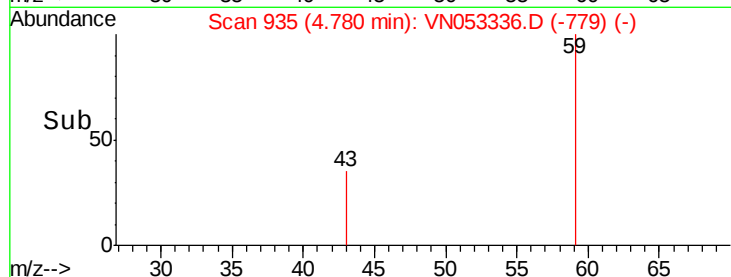
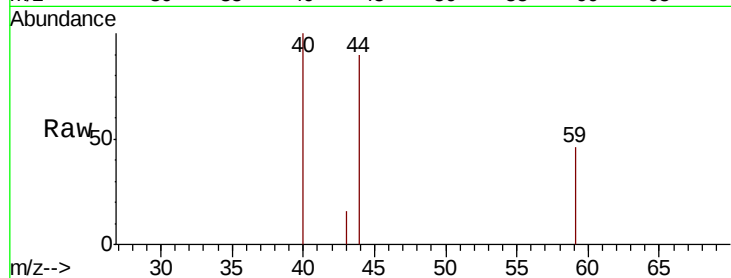




#23
 tert-Butyl Alcohol
 Concen: 0.248 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

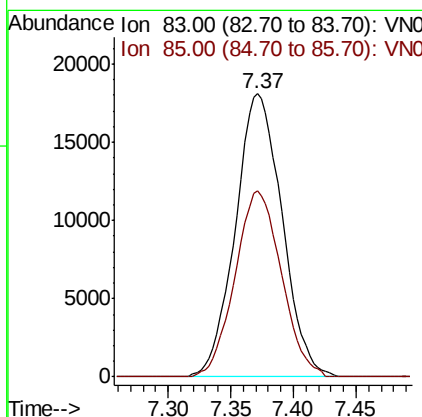
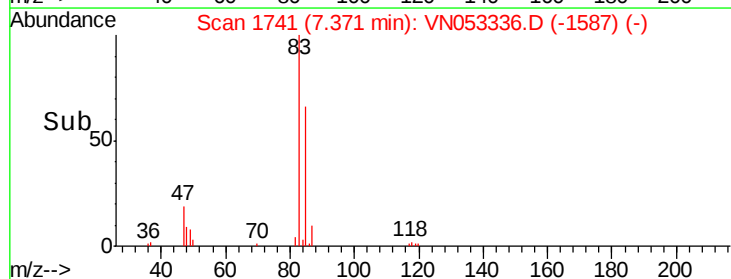
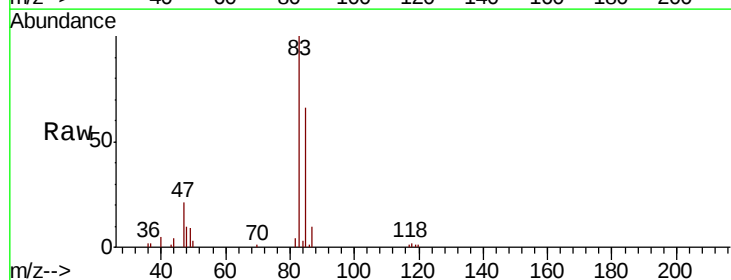
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-29

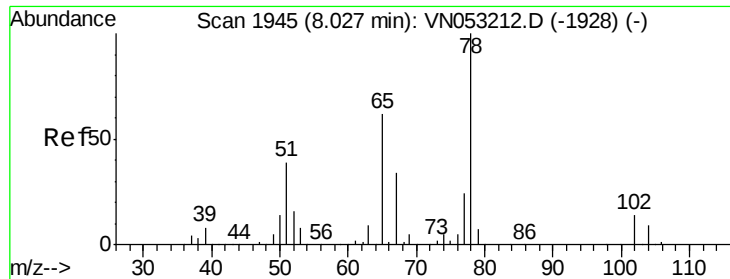
Tgt Ion: 59 Resp: 126
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#25
 Chloroform
 Concen: 2.873 ug/l
 RT: 7.37 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

Tgt Ion: 83 Resp: 46838
 Ion Ratio Lower Upper
 83 100
 85 65.9 51.7 77.5

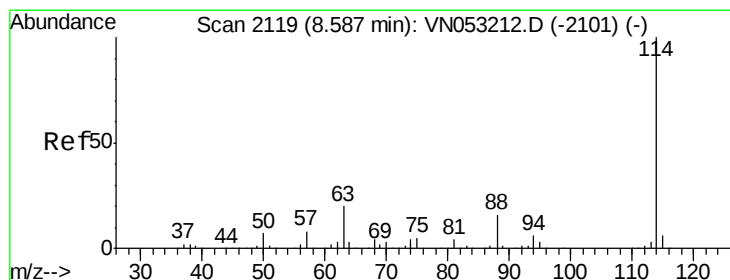
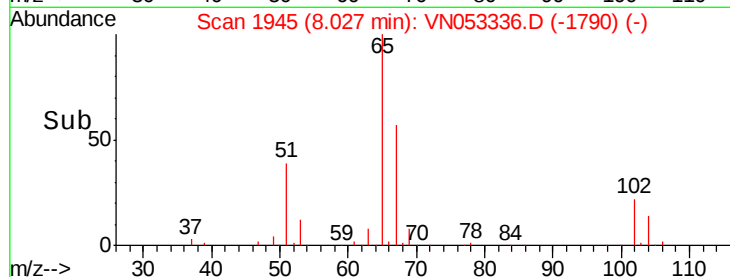
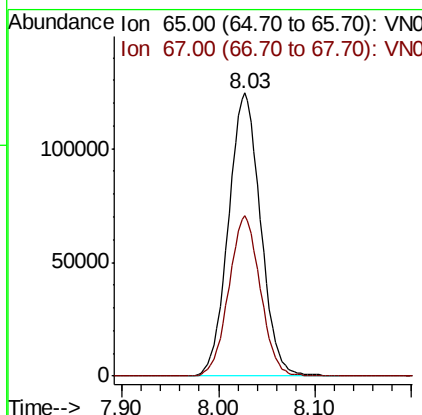
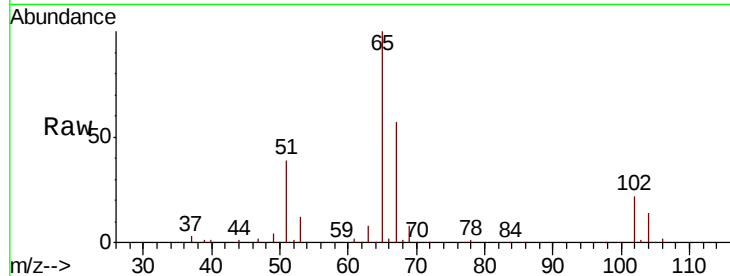




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

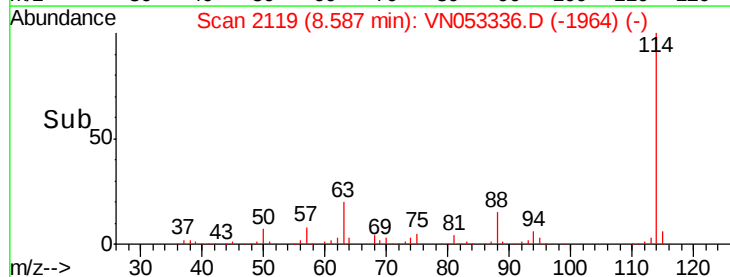
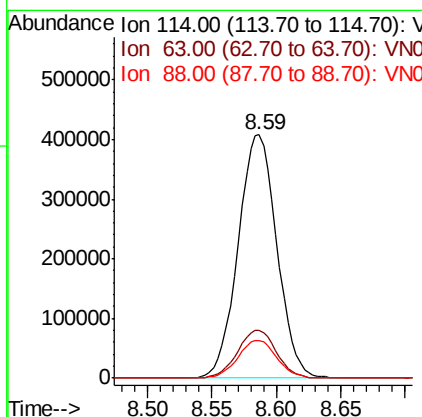
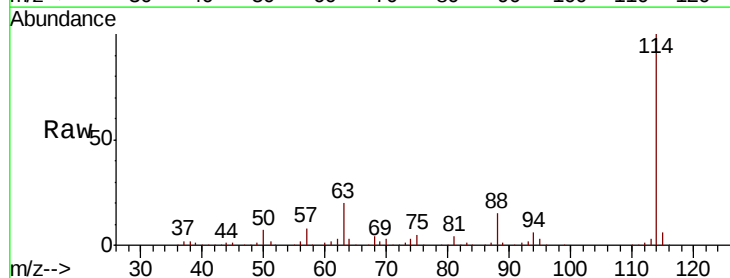
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-29

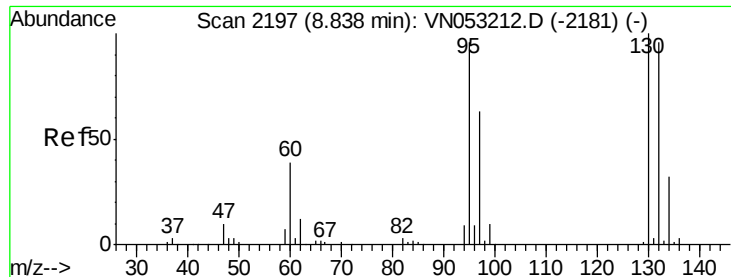
Tgt Ion: 65 Resp: 286729
 Ion Ratio Lower Upper
 65 100
 67 55.5 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

Tgt Ion: 114 Resp: 853359
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.5 12.8 19.2

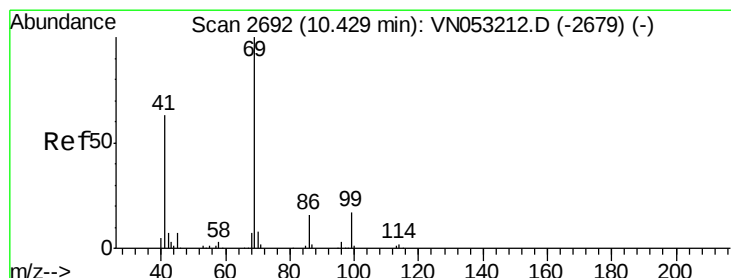
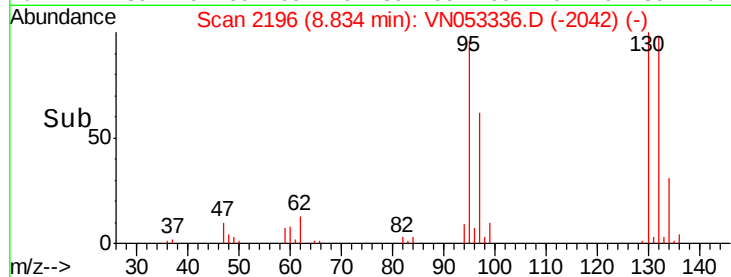
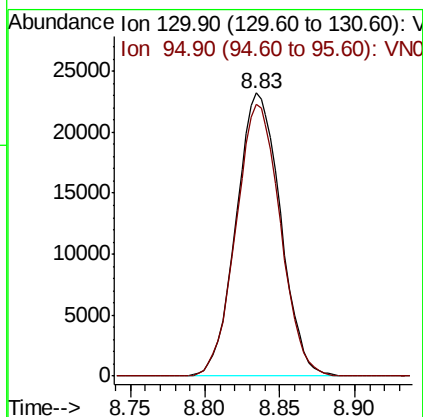
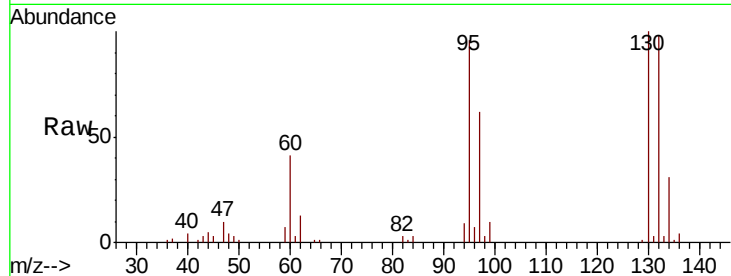




#37
 Trichloroethene
 Concen: 4.543 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

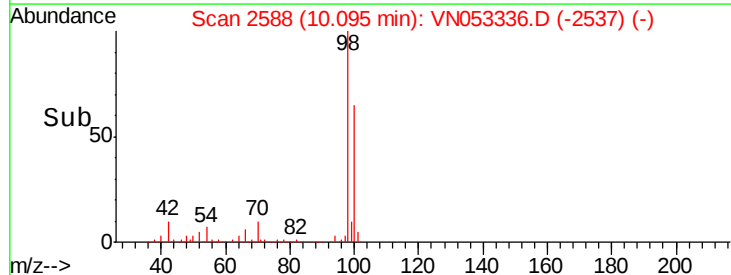
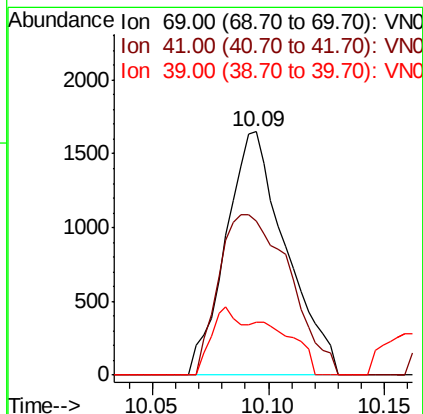
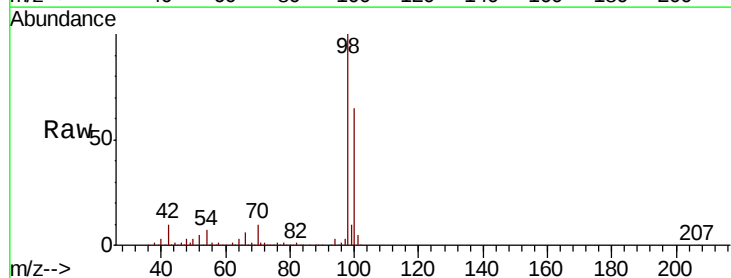
Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-29

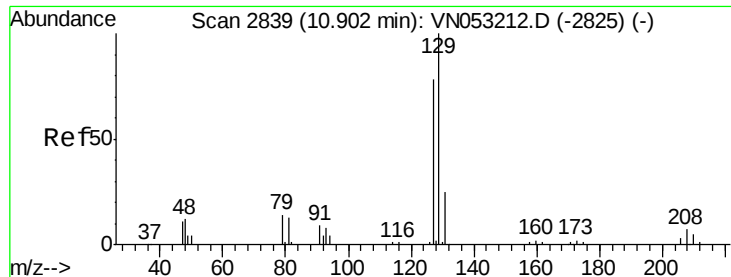
Tgt Ion:130 Resp: 47805
 Ion Ratio Lower Upper
 130 100
 95 96.0 81.0 121.4



#51
 Ethyl methacrylate
 Concen: 0.277 ug/l
 RT: 10.09 min Scan# 2588
 Delta R.T. -0.33 min
 Lab File: VN053336.D
 Acq: 10 Jan 2019 12:47

Tgt Ion: 69 Resp: 2967
 Ion Ratio Lower Upper
 69 100
 41 63.2 34.4 103.3
 39 21.7 16.4 49.2

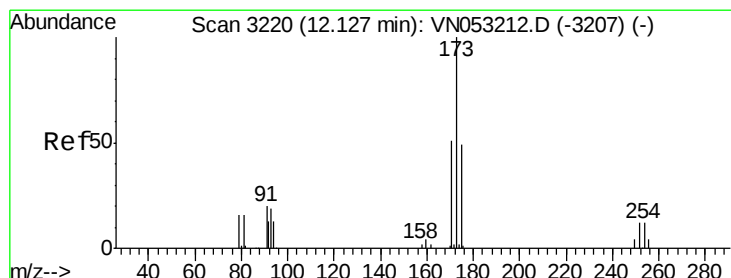
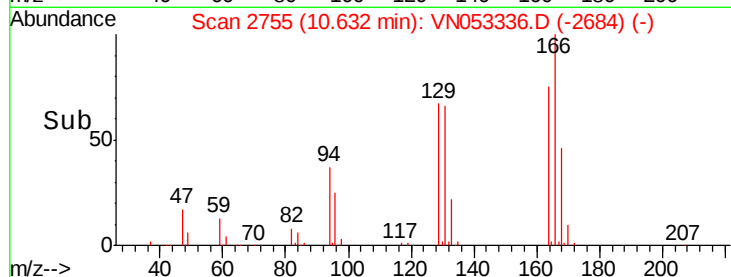
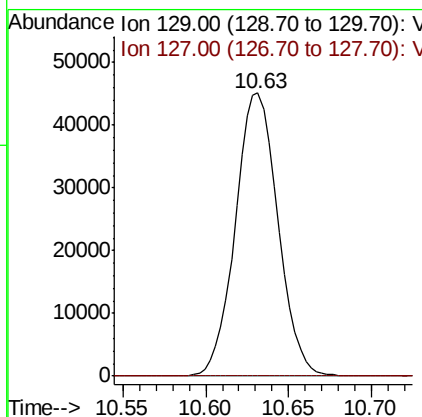
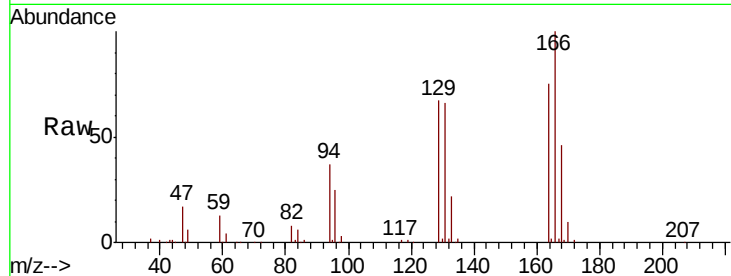




#53
Dibromochloromethane
Concen: 8.732 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN053336.D
Acq: 10 Jan 2019 12:47

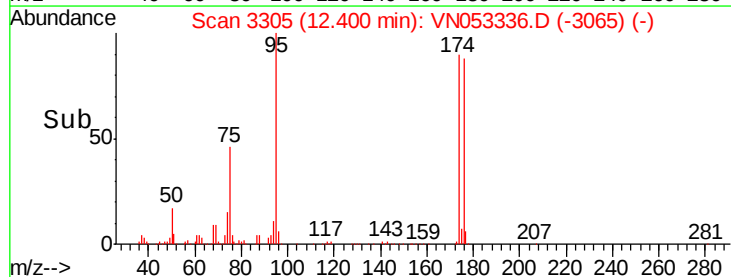
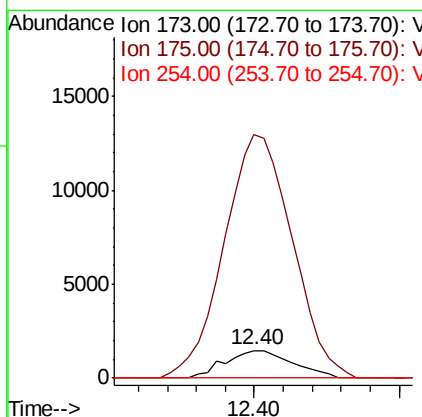
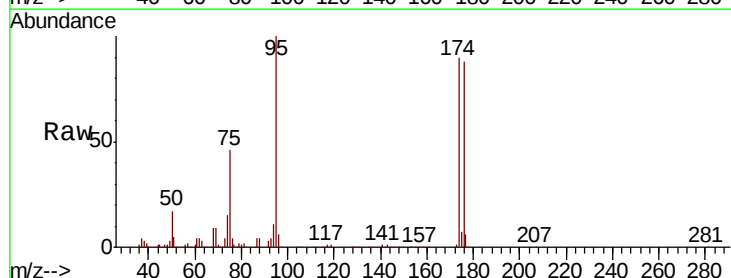
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MSVOA_N
ClientSampled :
2-AVE-29

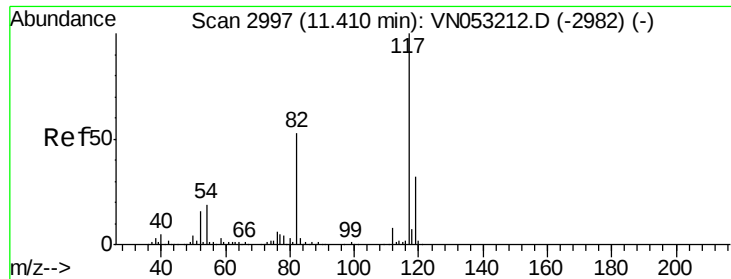
Tgt Ion:129 Resp: 80668
Ion Ratio Lower Upper
129 100
127 0.0 37.6 112.8#



#56
Bromoform
Concen: 0.380 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN053336.D
Acq: 10 Jan 2019 12:47

Tgt Ion:173 Resp: 2403
Ion Ratio Lower Upper
173 100
175 880.2 38.7 58.1#
254 0.0 8.4 12.6#

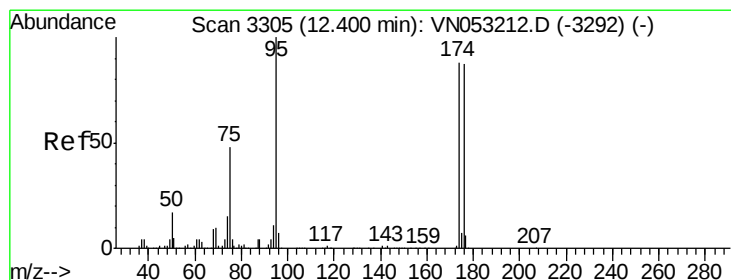
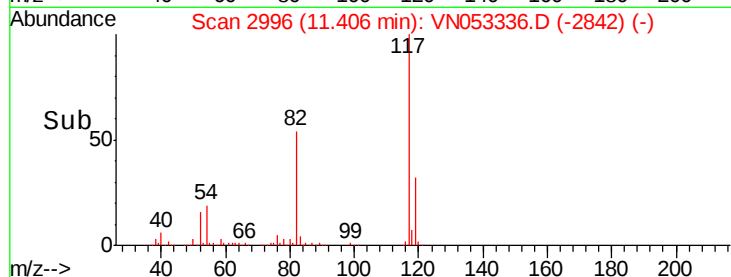
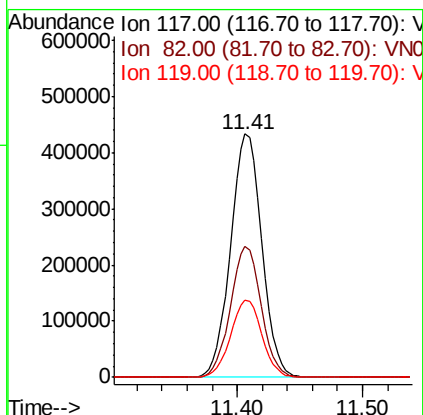
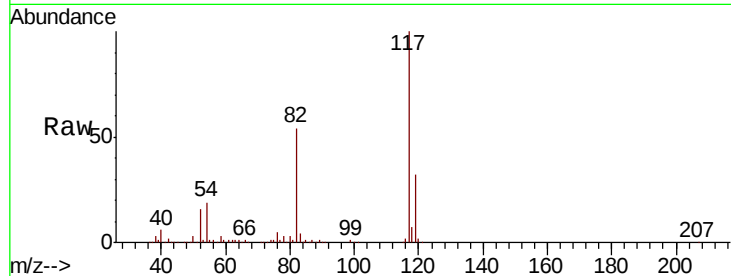




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053336.D
Acq: 10 Jan 2019 12:47

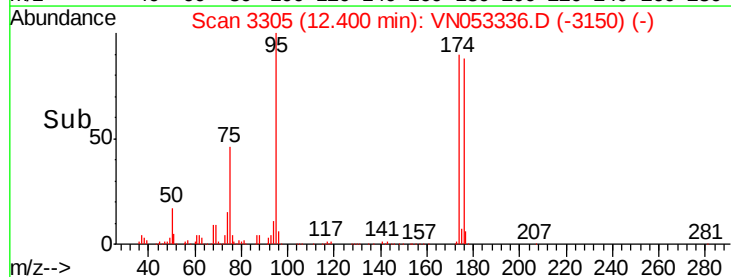
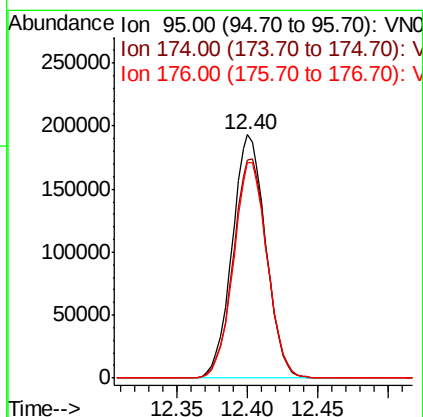
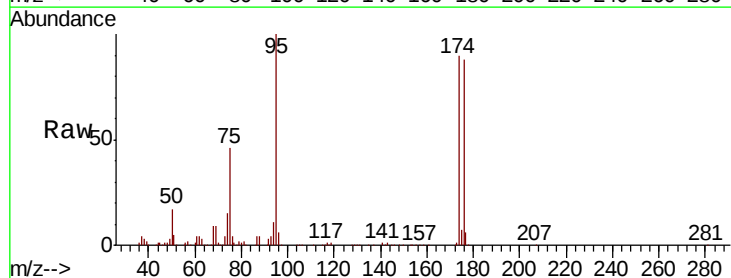
Instrument :
MSVOA_N
ClientSampled :
2-AVE-29

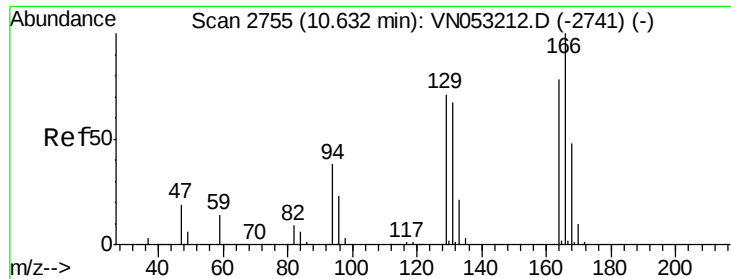
Tgt Ion: 117 Resp: 748513
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 31.8 25.4 38.2



#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053336.D
Acq: 10 Jan 2019 12:47

Tgt Ion: 95 Resp: 321366
Ion Ratio Lower Upper
95 100
174 91.4 67.9 101.9
176 88.8 66.4 99.6





#61

Tetrachloroethene

Concen: 8.158 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053336.D

Acq: 10 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampled :

2-AVE-29

Tgt Ion:164 Resp: 90243

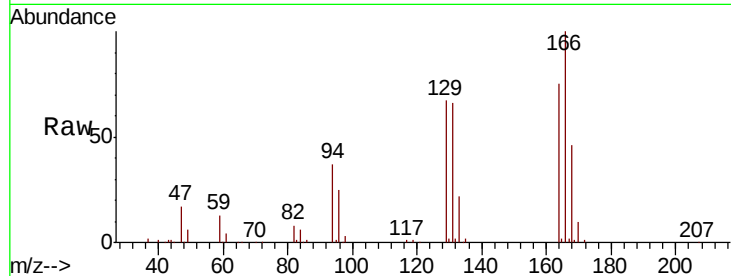
Ion Ratio Lower Upper

164 100

166 132.7 104.6 157.0

129 88.9 75.3 112.9

131 87.4 74.3 111.5

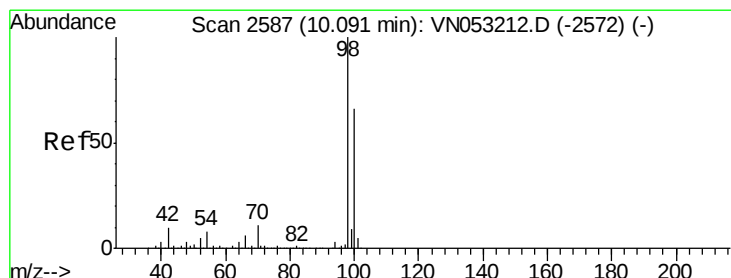
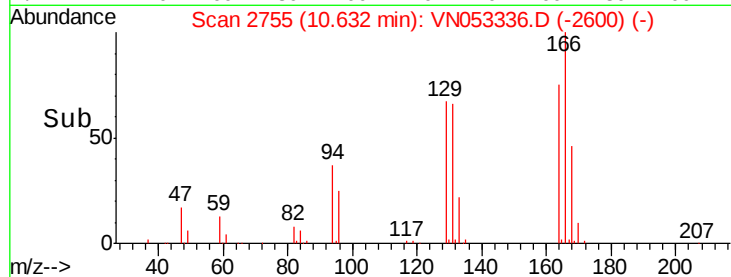
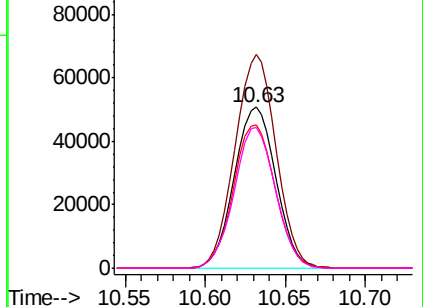


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053336.D

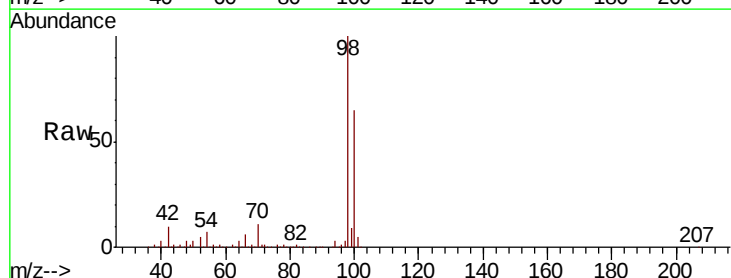
Acq: 10 Jan 2019 12:47

Tgt Ion: 98 Resp: 1000432

Ion Ratio Lower Upper

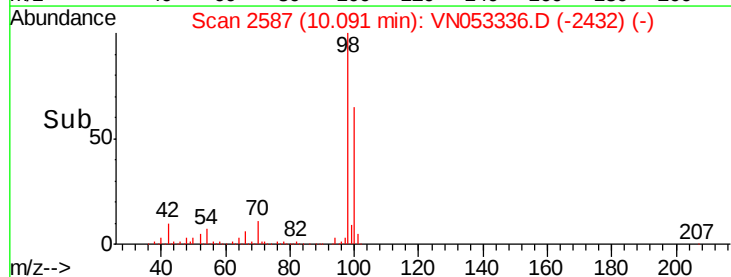
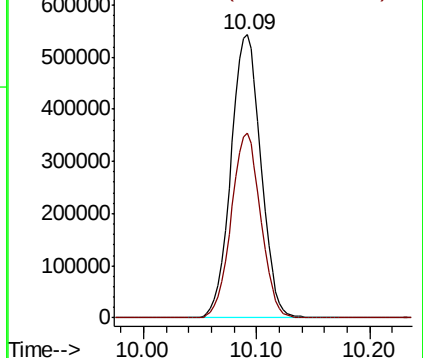
98 100

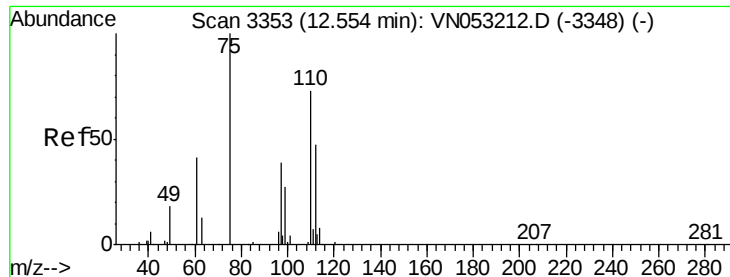
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#72

1,2,3-Trichloropropane

Concen: 18.905 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053336.D

Acq: 10 Jan 2019 12:47

Instrument :

MSVOA_N

ClientSampleId :

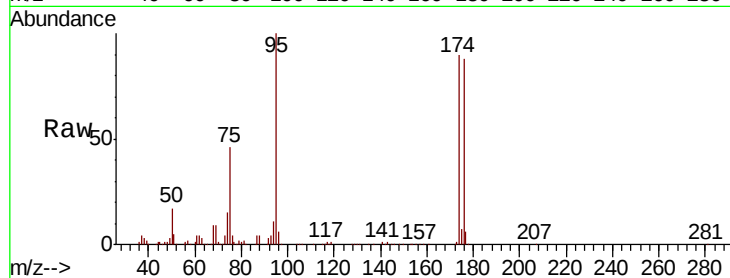
2-AVE-29

Tgt Ion: 75 Resp: 149597

Ion Ratio Lower Upper

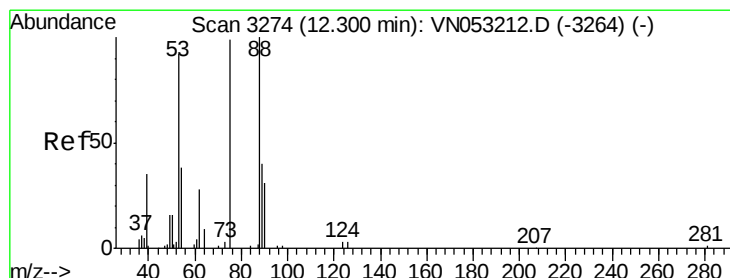
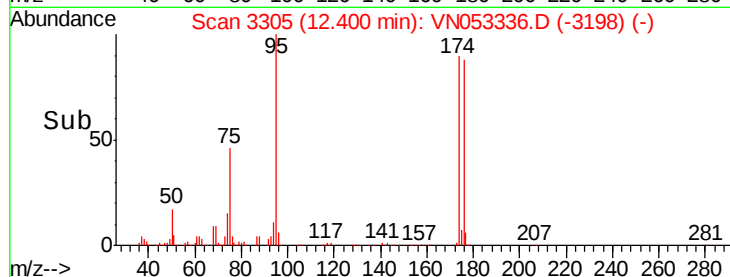
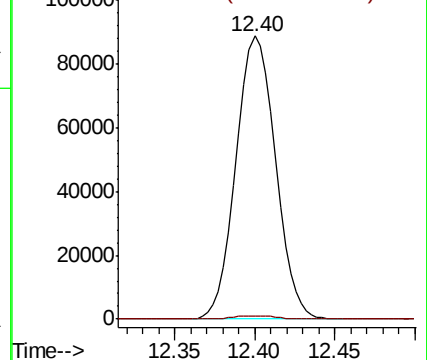
75 100

77 0.8 0.0 514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 53.804 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053336.D

Acq: 10 Jan 2019 12:47

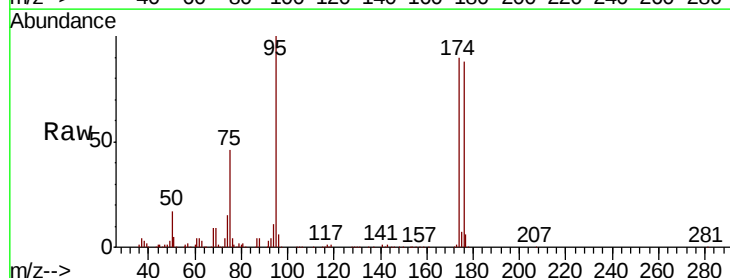
Tgt Ion: 75 Resp: 149597

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

