

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052712.D
 Acq On : 6 Dec 2018 22:12
 Operator : MD\SY
 Sample : J6169-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-26

Quant Time: Dec 07 08:57:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	149533	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	840987	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	708322	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	305109	29.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.83%
60) 4-Bromofluorobenzene	12.40	95	283995	26.22	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.40%
63) Toluene-d8	10.09	98	979455	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

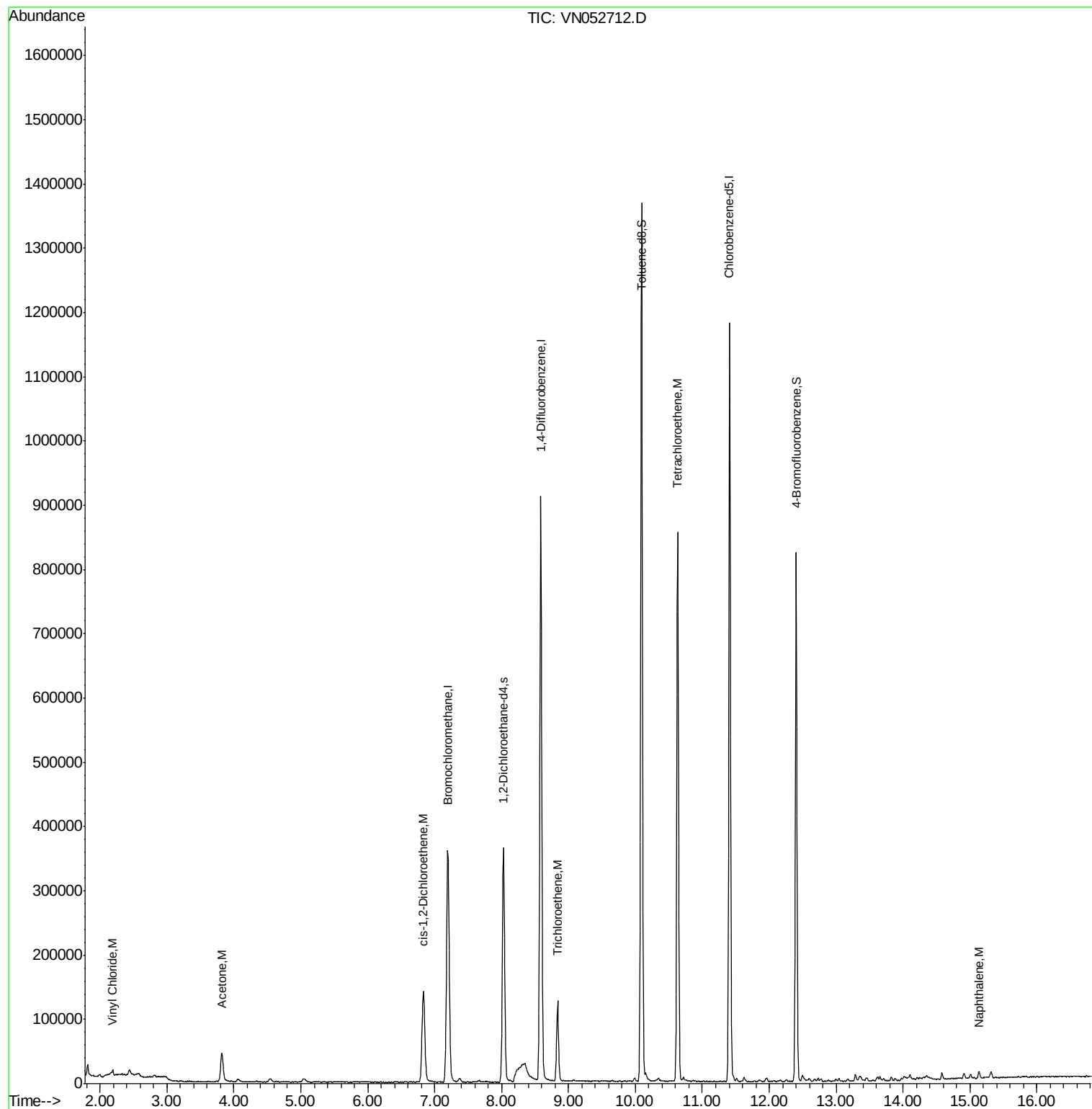
Target Compounds					Ovalue
4) Vinyl Chloride	2.19	62	3952	0.347 ug/l	93
15) Acetone	3.81	58	24521	31.189 ug/l	93
22) cis-1,2-Dichloroethene	6.83	96	97825	9.459 ug/l	89
37) Trichloroethene	8.84	130	48394	4.943 ug/l	96
61) Tetrachloroethene	10.63	164	214742	24.616 ug/l	97
91) Naphthalene	15.13	128	10031	0.615 ug/l	97

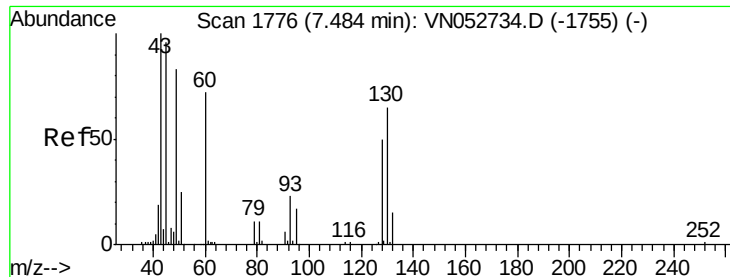
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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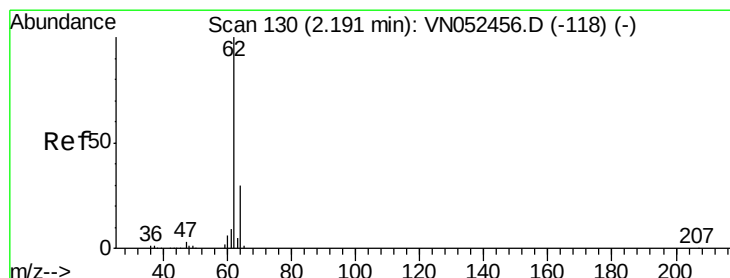
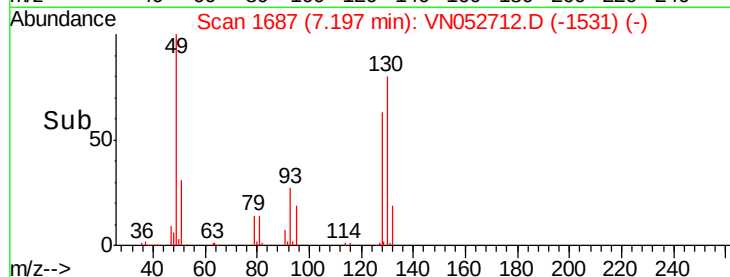
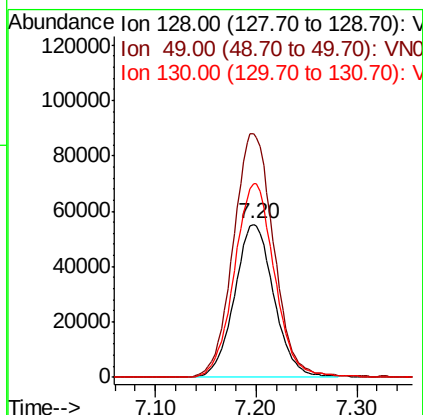
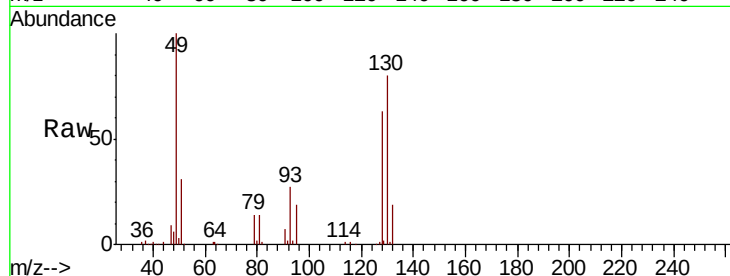




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

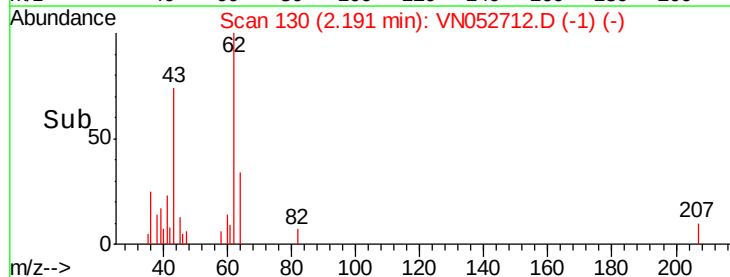
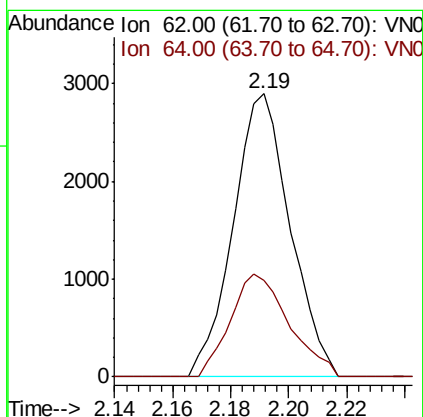
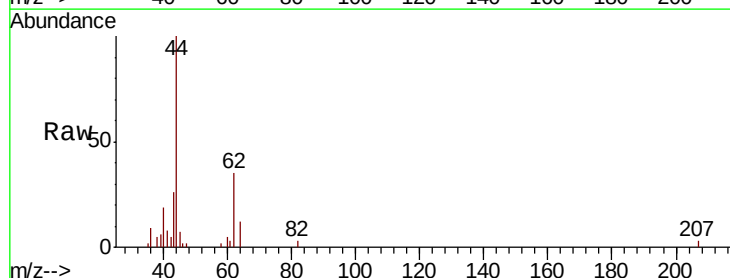
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-26

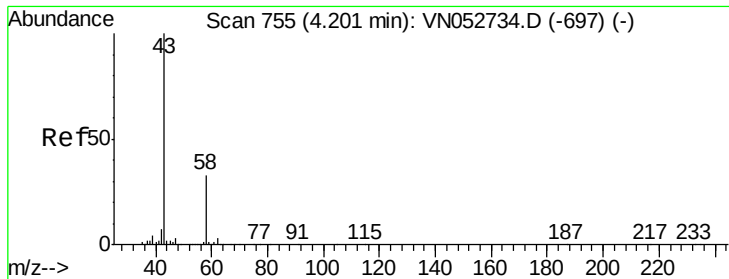
Tot Ion:128 Resp: 149533
 Ion Ratio Lower Upper
 128 100
 49 163.1 0.0 431.8
 130 129.3 0.0 317.0



#4
 Vinyl Chloride
 Concen: 0.347 ug/l
 RT: 2.19 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

Tgt Ion: 62 Resp: 3952
 Ion Ratio Lower Upper
 62 100
 64 34.0 24.2 36.4





#15

Acetone

Concen: 31.189 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052712.D

Acq: 6 Dec 2018 22:12

Instrument :

MSVOA_N

ClientSampleId :

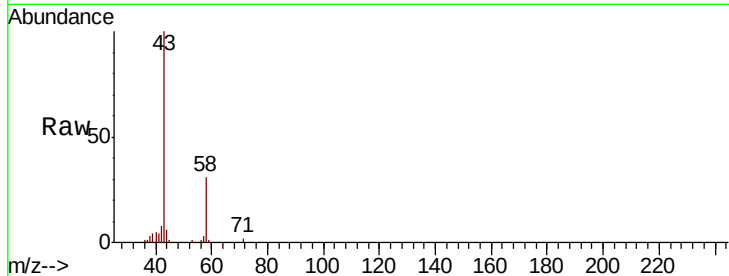
2-AVE-26

Tot Ion: 58 Resp: 24521

Ion Ratio Lower Upper

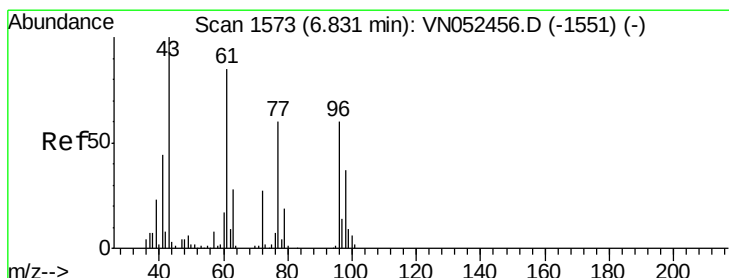
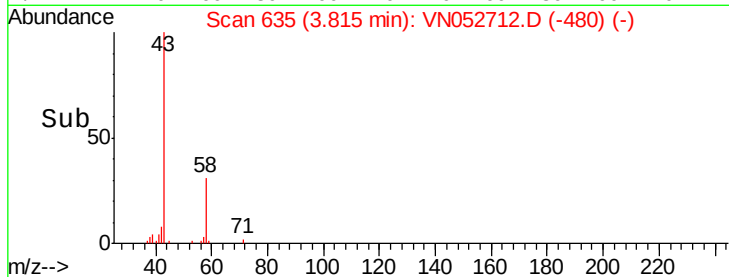
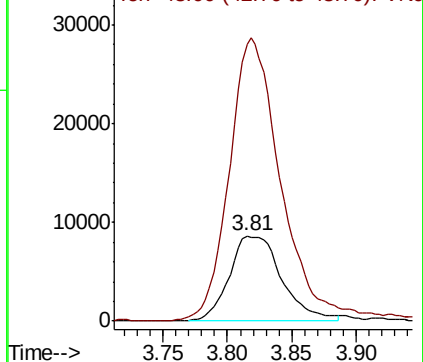
58 100

43 318.7 243.6 365.4



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: 9.459 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052712.D

Acq: 6 Dec 2018 22:12

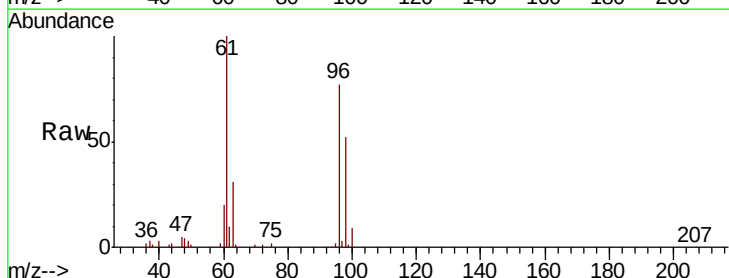
Tgt Ion: 96 Resp: 97825

Ion Ratio Lower Upper

96 100

61 127.6 116.7 175.1

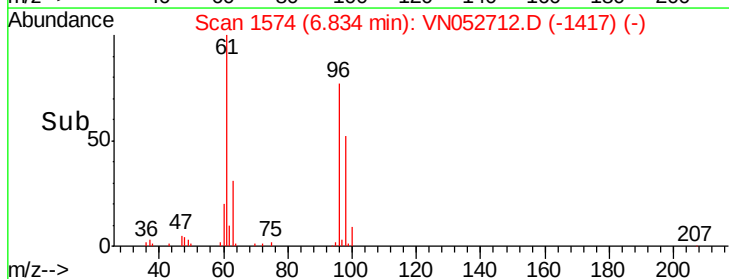
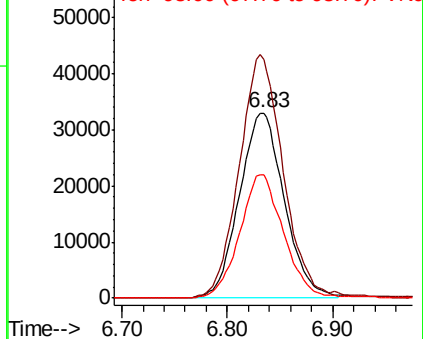
98 64.9 50.8 76.2

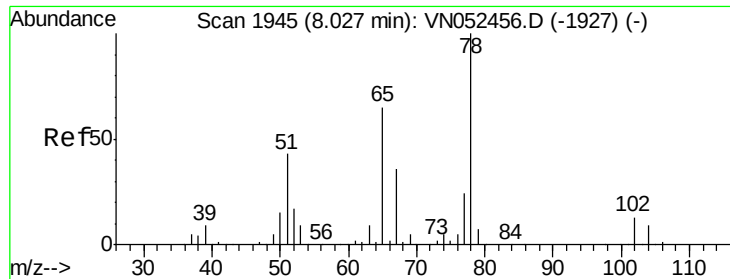


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

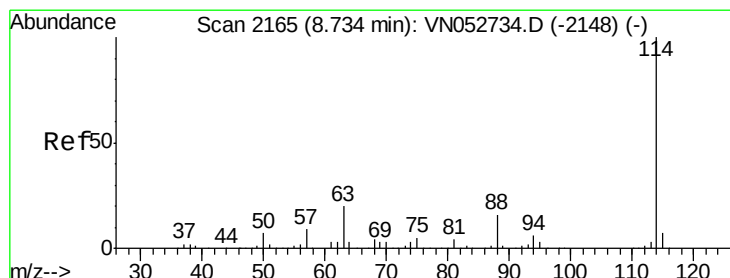
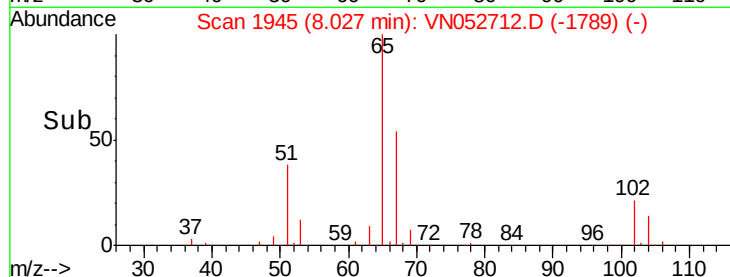
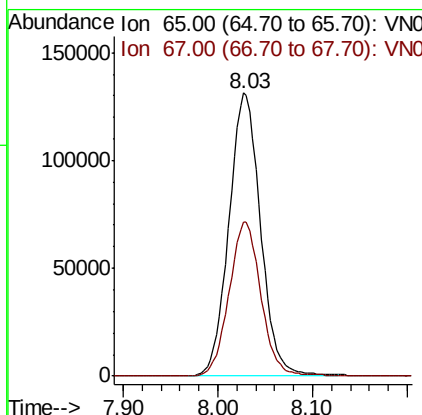
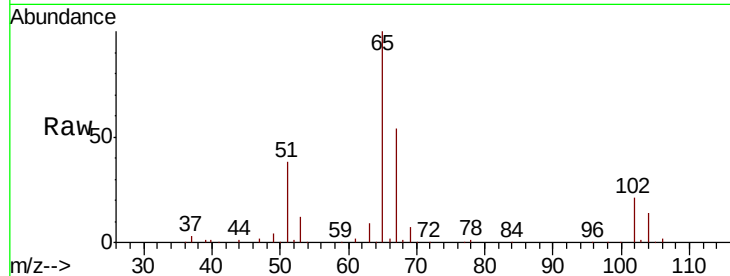




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

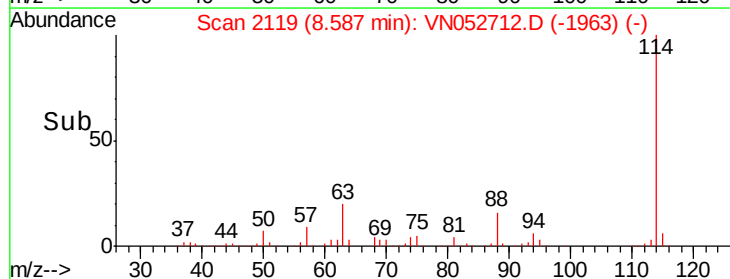
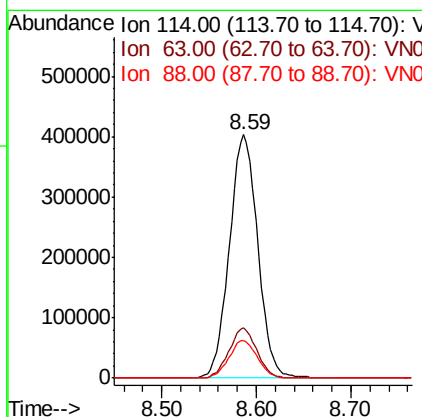
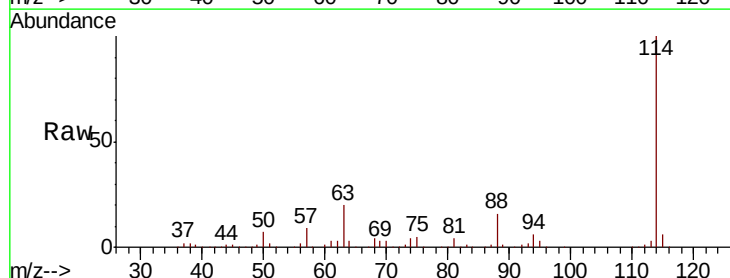
Instrument :
 MSVOA_N
 ClientSampleId :
 2-AVE-26

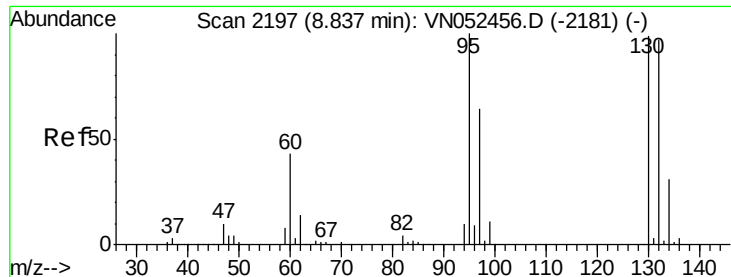
Tot Ion: 65 Resp: 305109
 Ion Ratio Lower Upper
 65 100
 67 54.6 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

Tgt Ion: 114 Resp: 840987
 Ion Ratio Lower Upper
 114 100
 63 20.1 16.9 25.3
 88 15.5 12.8 19.2

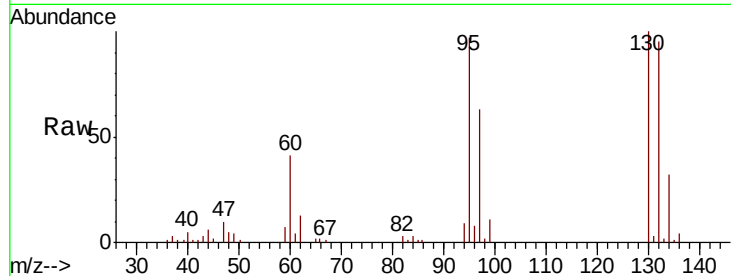




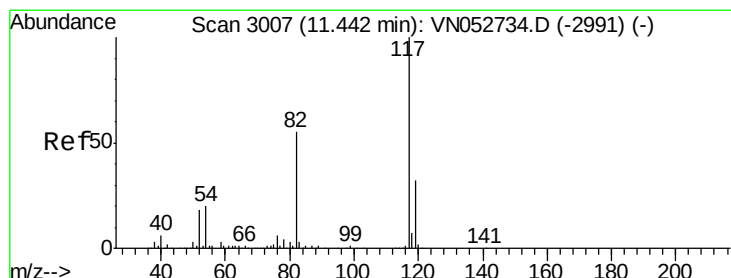
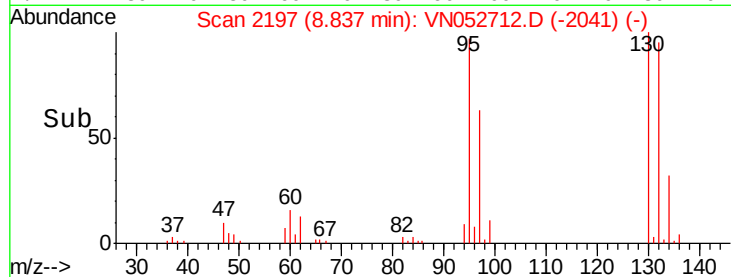
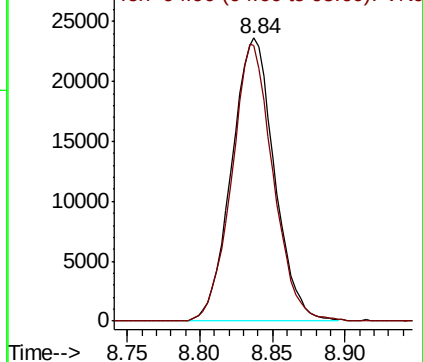
#37
 Trichloroethene
 Concen: 4.943 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

Instrument :
 MSVOA_N
 ClientSampled :
 2-AVE-26

Tot Ion:130 Resp: 48394
 Ion Ratio Lower Upper
 130 100
 95 97.2 81.0 121.4

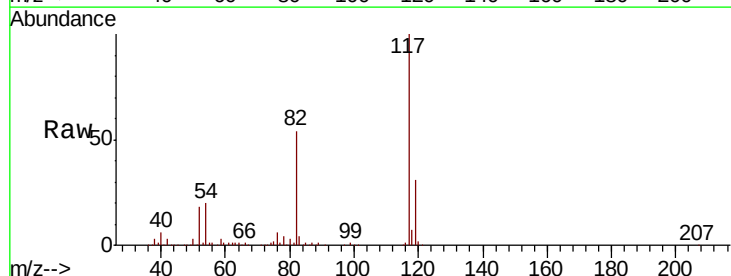


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

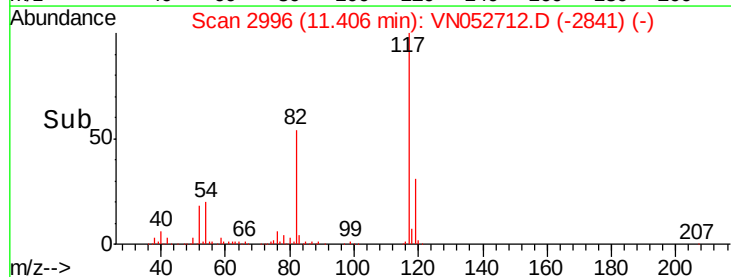
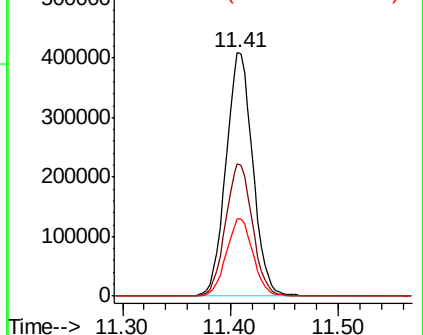


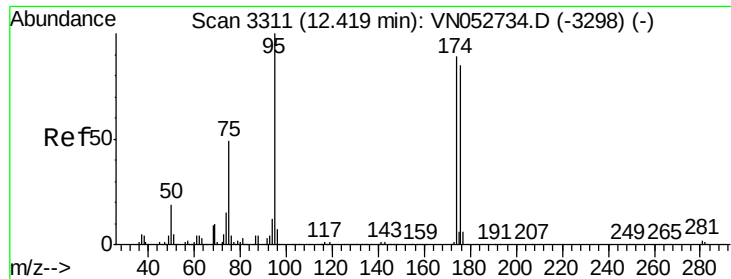
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN052712.D
 Acq: 6 Dec 2018 22:12

Tgt Ion:117 Resp: 708322
 Ion Ratio Lower Upper
 117 100
 82 54.5 44.2 66.2
 119 31.9 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 82.00 (81.70 to 82.70): VN
 Ion 119.00 (118.70 to 119.70): V

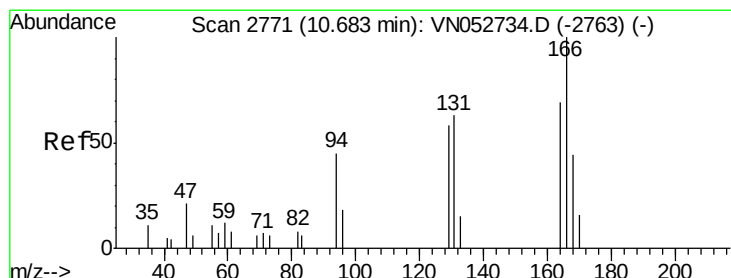
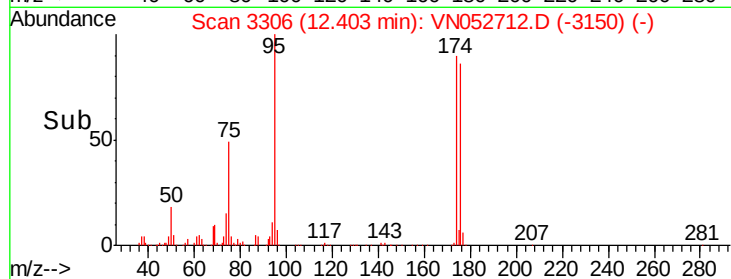
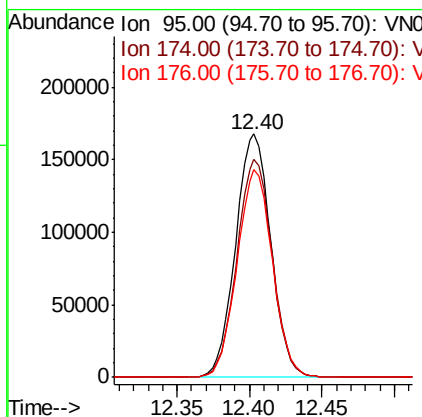
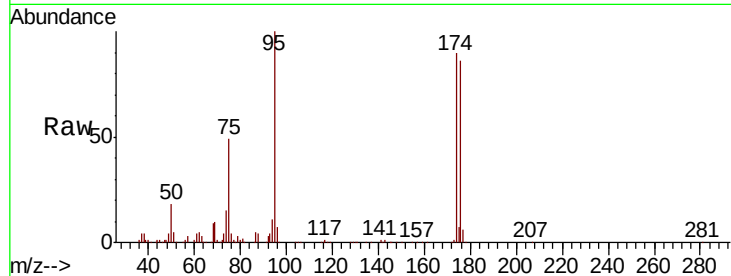




#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052712.D
Acq: 6 Dec 2018 22:12

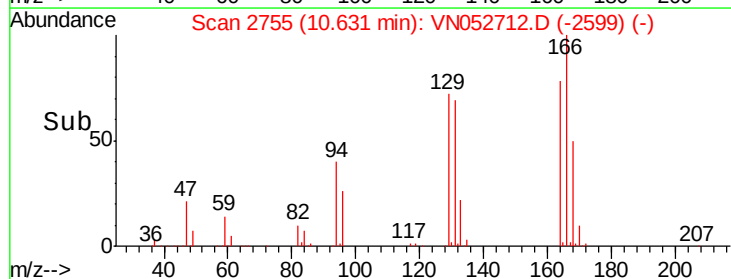
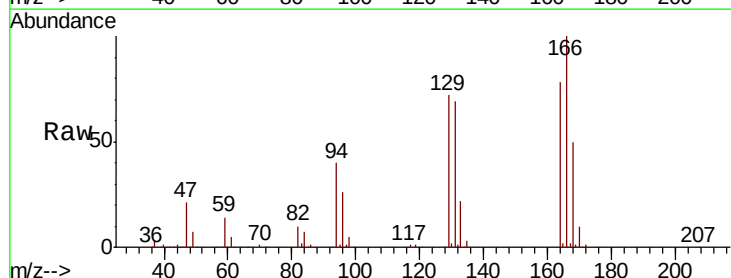
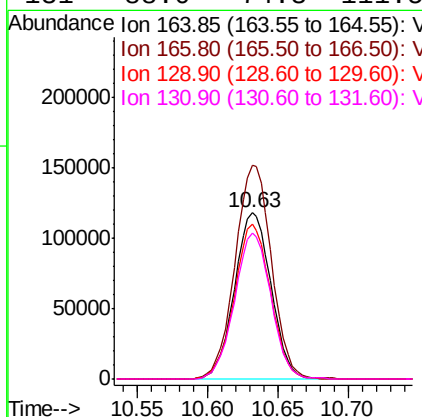
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MSVOA_N
ClientSampleId :
2-AVE-26

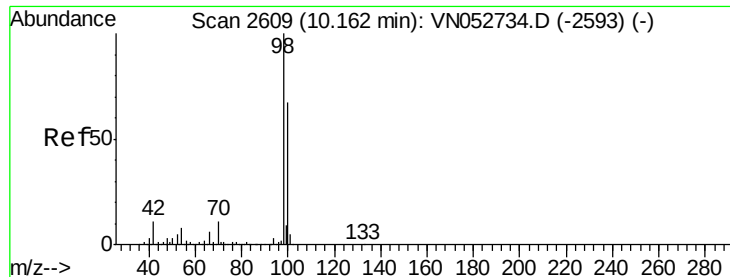
Tot Ion	Ratio	Lower	Upper
95	100		
174	90.1	67.9	101.9
176	85.5	66.4	99.6



#61
Tetrachloroethene
Concen: 24.616 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052712.D
Acq: 6 Dec 2018 22:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	104.6	157.0
129	93.0	75.3	112.9
131	88.0	74.3	111.5





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052712.D

Acq: 6 Dec 2018 22:12

Instrument :

MSVOA_N

ClientSampled :

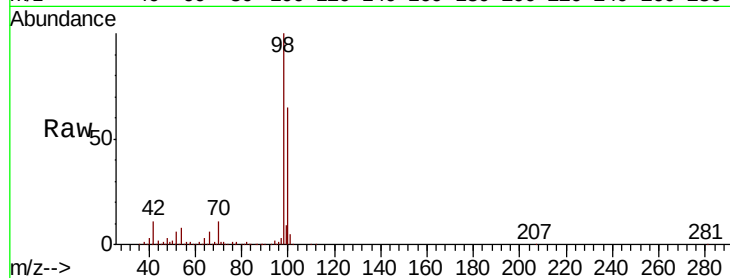
2-AVE-26

Tot Ion: 98 Resp: 979455

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

500000

400000

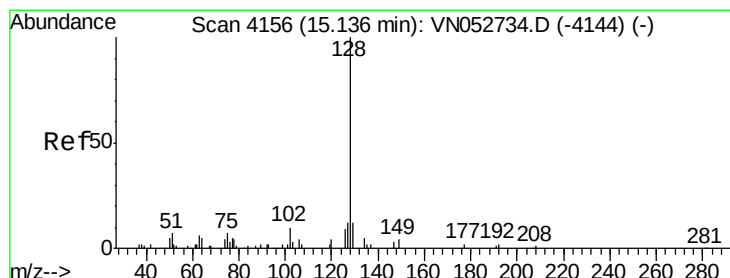
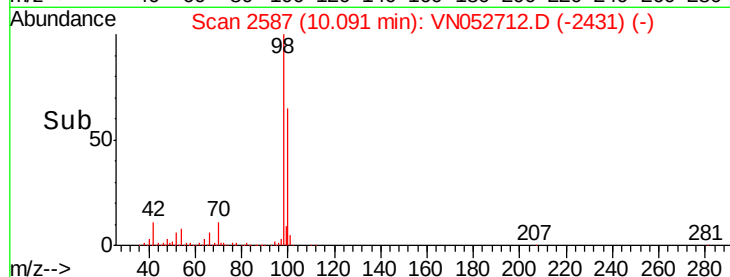
300000

200000

100000

0

Time-->



#91

Naphthalene

Concen: 0.615 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052712.D

Acq: 6 Dec 2018 22:12

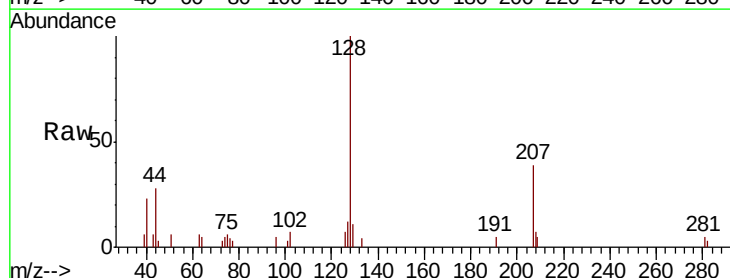
Tgt Ion: 128 Resp: 10031

Ion Ratio Lower Upper

128 100

127 11.1 9.9 14.9

129 9.7 8.5 12.7



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

15.13

8000

6000

4000

2000

0

Time-->

