

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052694.D
 Acq On : 6 Dec 2018 12:24
 Operator : MD\SY
 Sample : PB115376ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

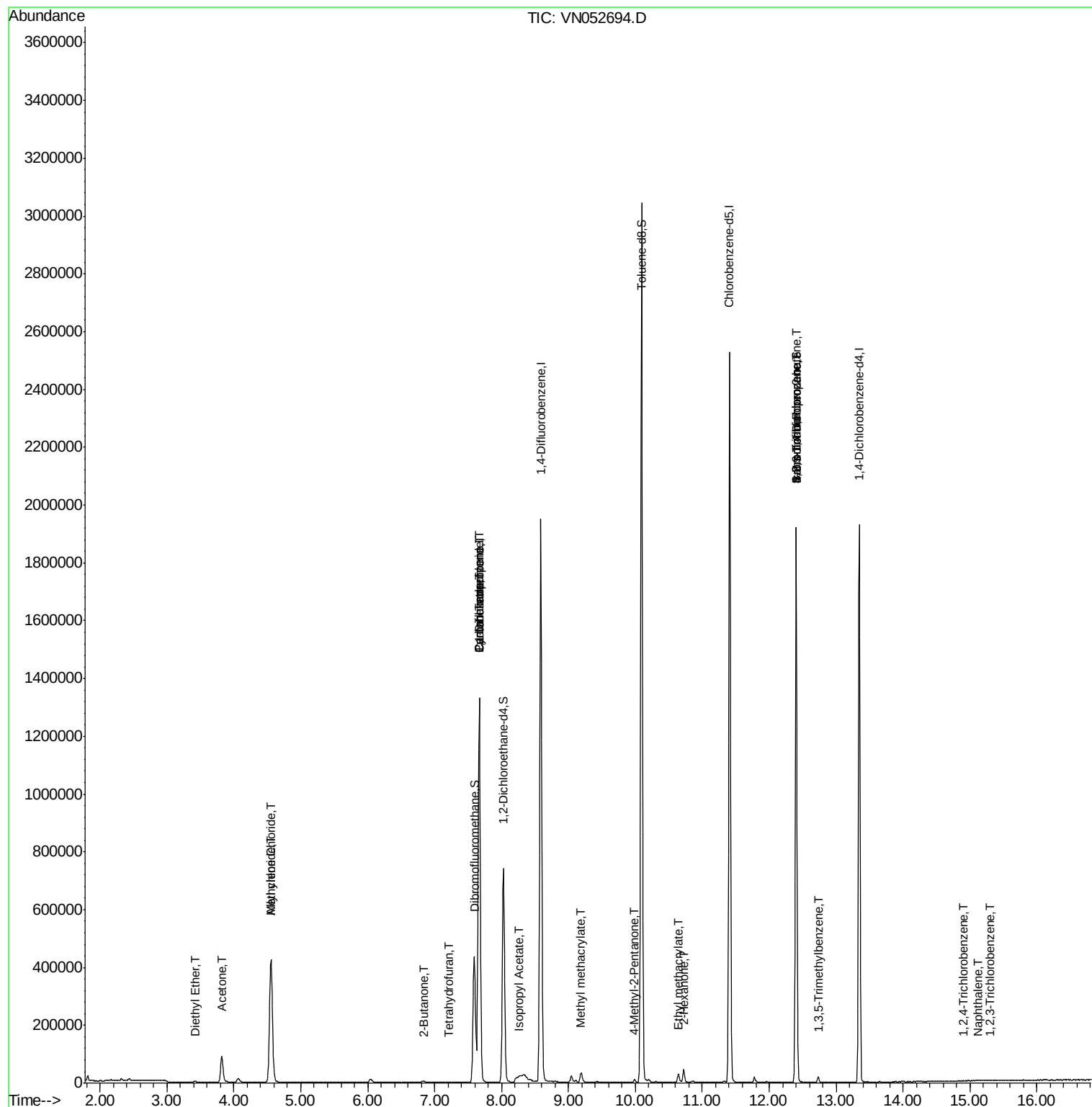
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1157987	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1796294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1546164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	538967	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	621288	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.59	113	346496	31.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.58%	
50) Toluene-d8	10.09	98	2178692	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	655128	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.42	74	2083	0.312	ug/l	54
14) Allyl chloride	4.55	41	13261	0.709	ug/l #	26
16) Acetone	3.82	43	157325	47.308	ug/l	98
20) Methylene Chloride	4.55	84	327757	25.185	ug/l	98
25) 2-Butanone	6.85	43	3166	0.672	ug/l	92
29) Tetrahydrofuran	7.22	42	1868	0.614	ug/l #	60
31) Cyclohexane	7.66	56	20399	0.579	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	79361	4.679	ug/l #	49
38) Carbon Tetrachloride	7.67	117	101266	6.595	ug/l #	16
43) Isopropyl Acetate	8.26	43	28855	1.647	ug/l #	51
48) Methyl methacrylate	9.18	41	17096	1.871	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	6480	0.659	ug/l	90
56) Ethyl methacrylate	10.63	69	140	2.702	ug/l #	25
59) 2-Hexanone	10.72	43	37989	5.758	ug/l #	24
71) Bromoform	12.40	173	4273	0.582	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	315655	37.980	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7994	0.237	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	315655	126.834	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	201	2.849	ug/l #	84
95) Naphthalene	15.13	128	533	3.453	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	230	2.752	ug/l #	78

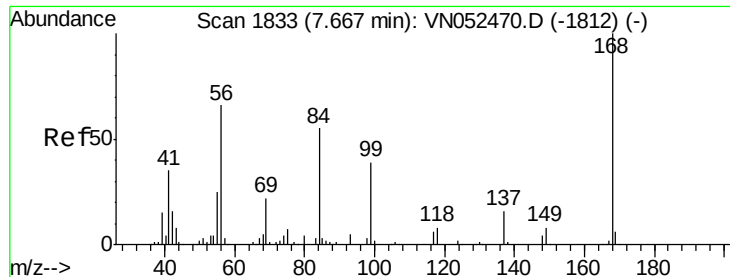
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

Instrument :

MSVOA_N

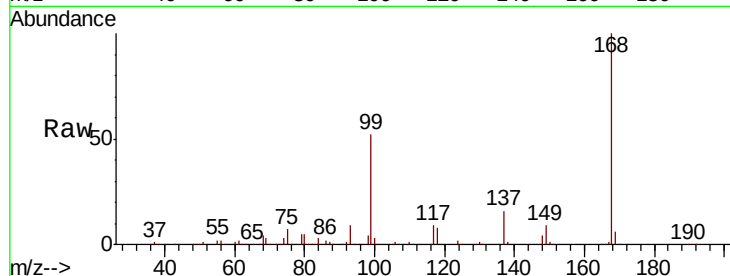
ClientSampleId :

Tot Ion:168 Resp: 1157987

Ion Ratio Lower Upper

168 100

99 52.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

500000

400000

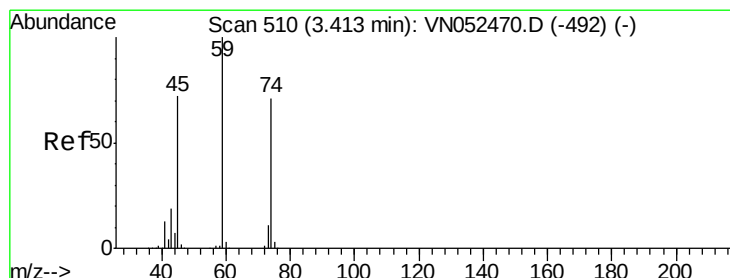
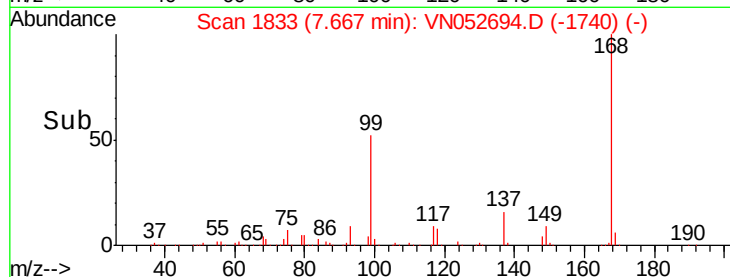
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 0.312 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052694.D

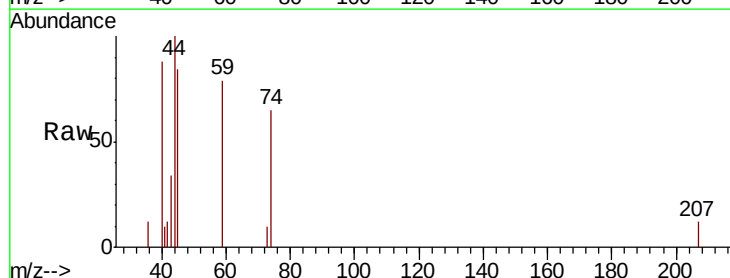
Acq: 6 Dec 2018 12:24

Tgt Ion: 74 Resp: 2083

Ion Ratio Lower Upper

74 100

45 147.5 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VN052470.D (-492) (-)

Ion 45.00 (44.70 to 45.70): VN052470.D (-492) (-)

3.42

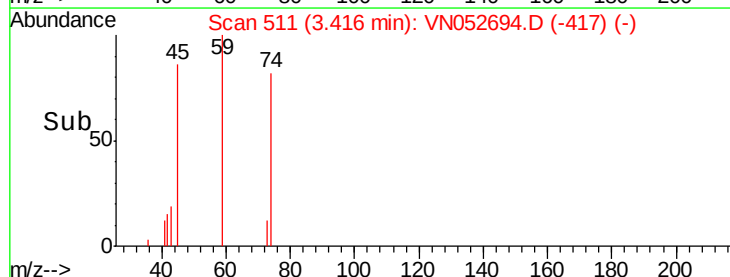
1500

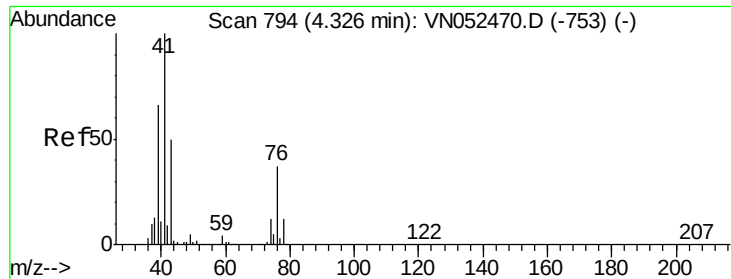
1000

500

0

Time-->

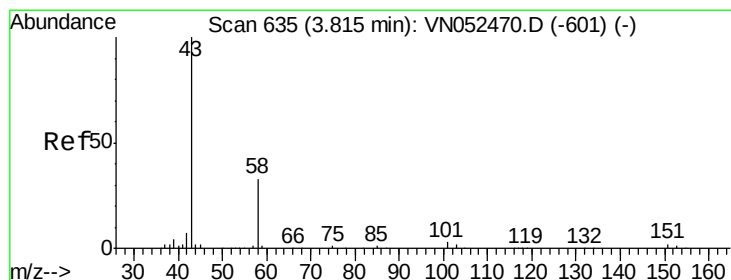
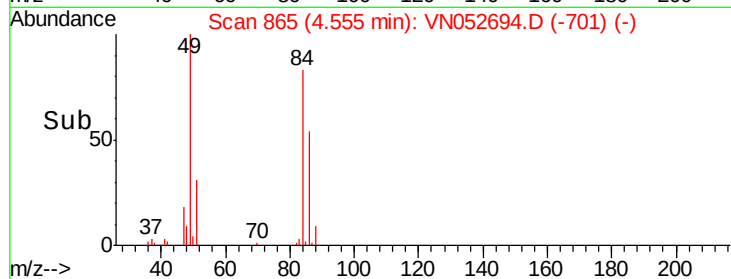
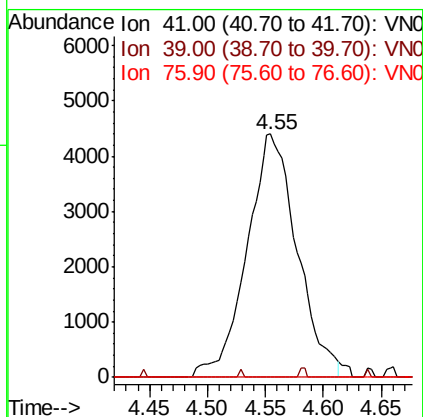
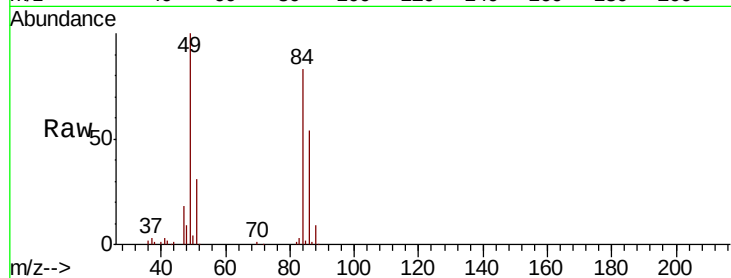




#14
Allvl chloride
Concen: 0.709 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

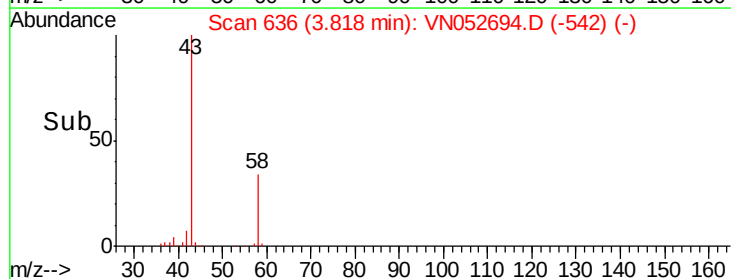
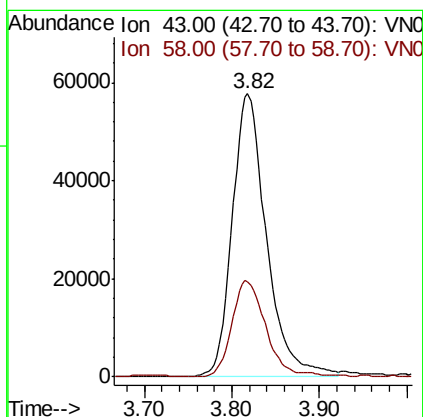
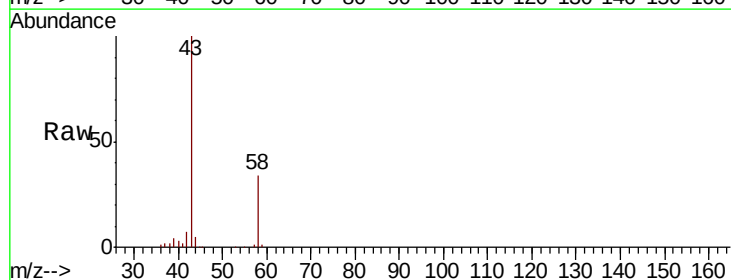
Instrument :
MSVOA_N
ClientSampleId :

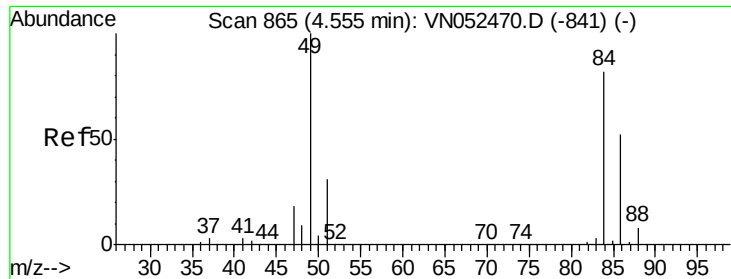
Tot Ion: 41 Resp: 13261
Ion Ratio Lower Upper
41 100
39 0.0 50.6 76.0#
76 0.0 27.4 41.2#



#16
Acetone
Concen: 47.308 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion: 43 Resp: 157325
Ion Ratio Lower Upper
43 100
58 33.8 26.0 39.0

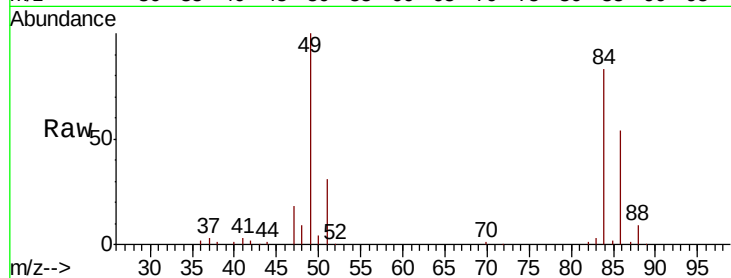




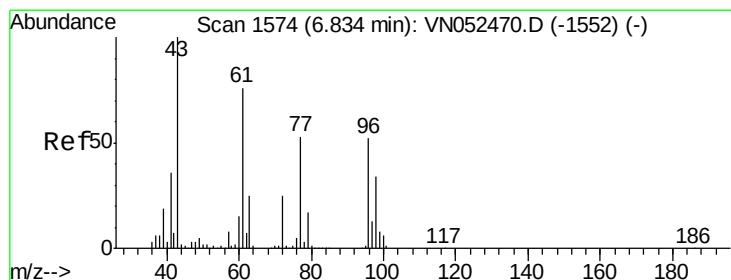
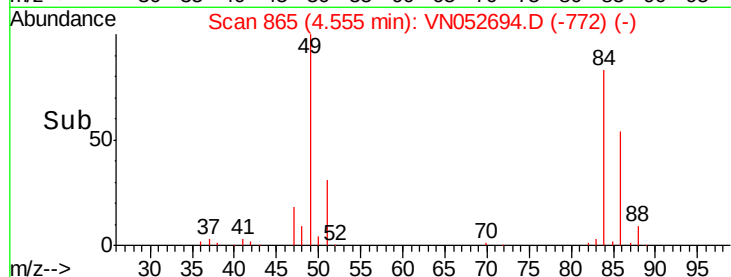
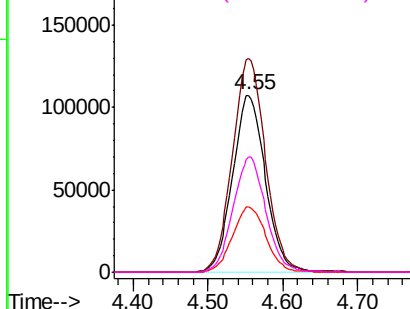
#20
Methvlene Chloride
Concen: 25.185 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	327757
Ion	Ratio	Lower	Upper
84	100		
49	120.7	98.0	147.0
51	37.0	30.1	45.1
86	65.4	50.7	76.1

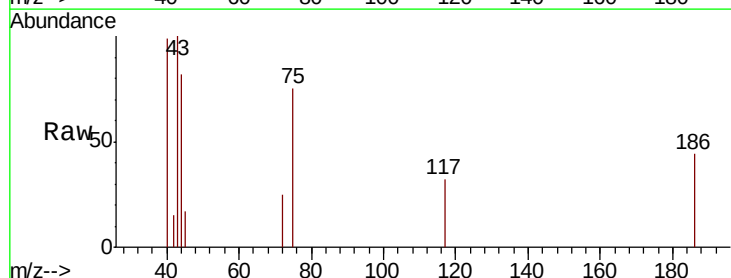


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

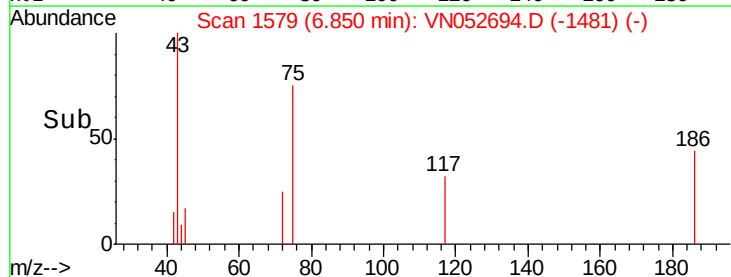
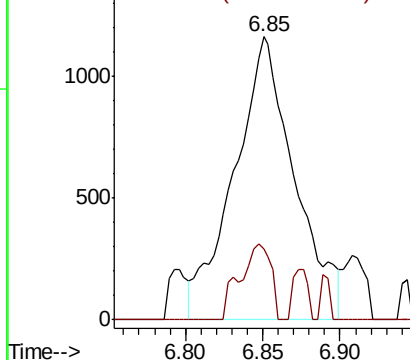


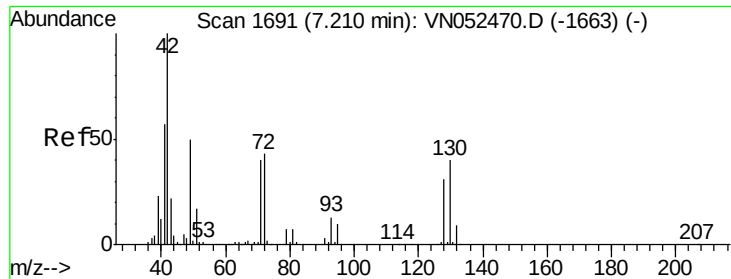
#25
2-Butanone
Concen: 0.672 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion:	43	Resp:	3166
Ion	Ratio	Lower	Upper
43	100		
72	29.2	20.1	30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

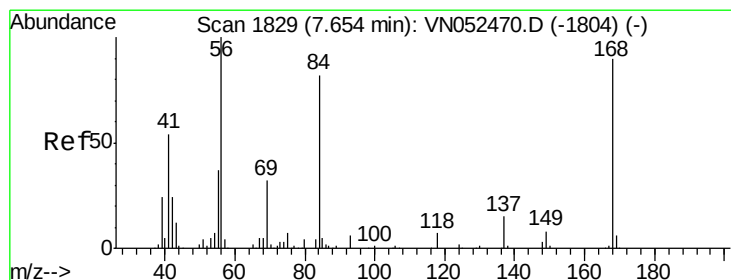
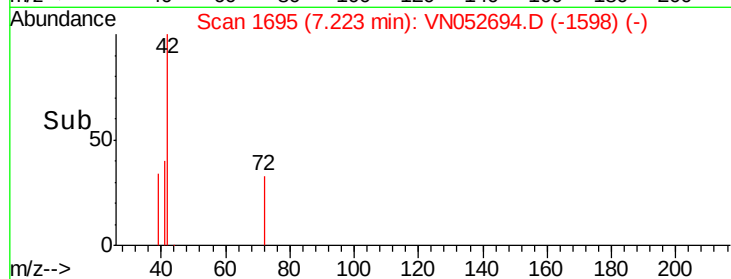
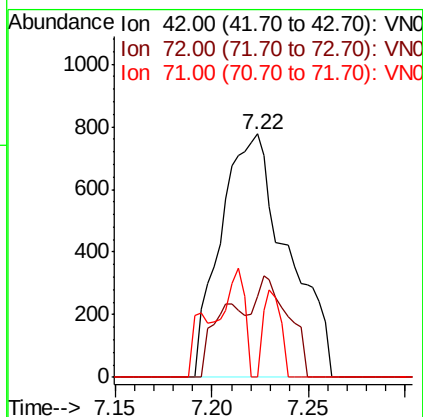
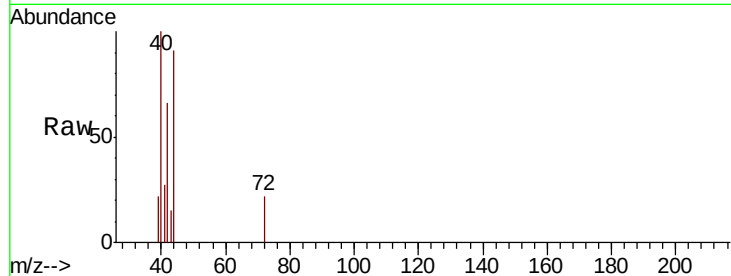




#29
Tetrahydrofuran
Concen: 0.614 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

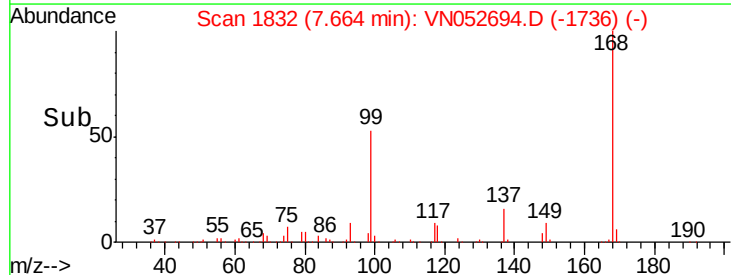
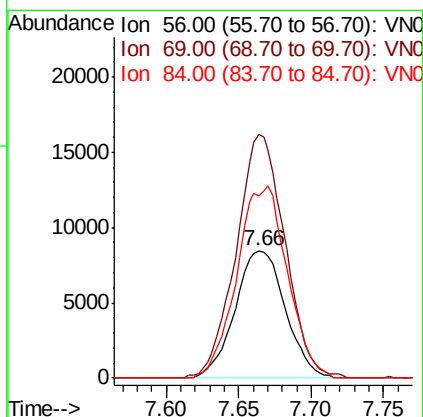
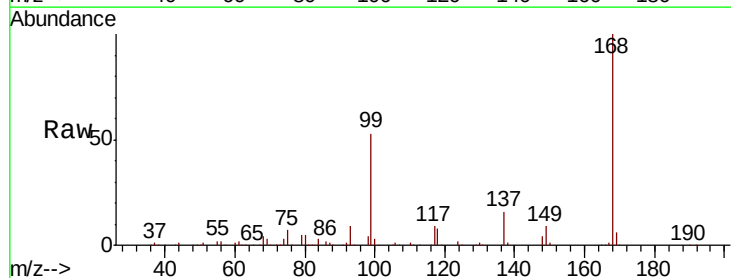
Instrument :
MSVOA_N
ClientSampled :

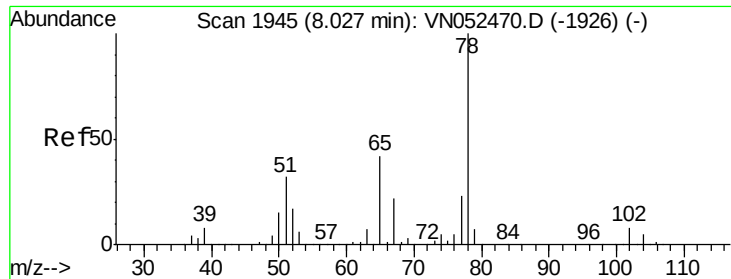
Tot Ion: 42 Resp: 1868
Ion Ratio Lower Upper
42 100
72 21.7 33.3 49.9#
71 9.5 32.0 48.0#



#31
Cyclohexane
Concen: 0.579 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion: 56 Resp: 20399
Ion Ratio Lower Upper
56 100
69 189.3 25.8 38.6#
84 143.4 65.3 97.9#

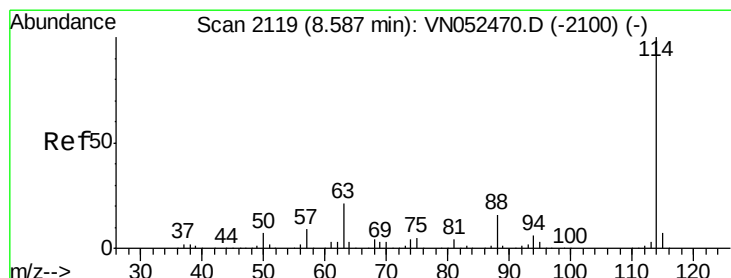
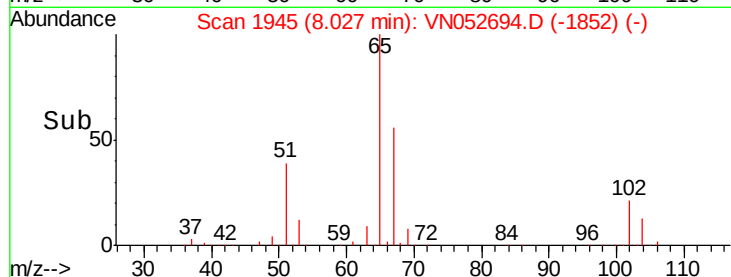
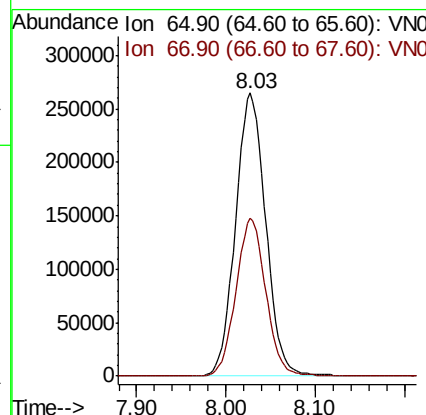
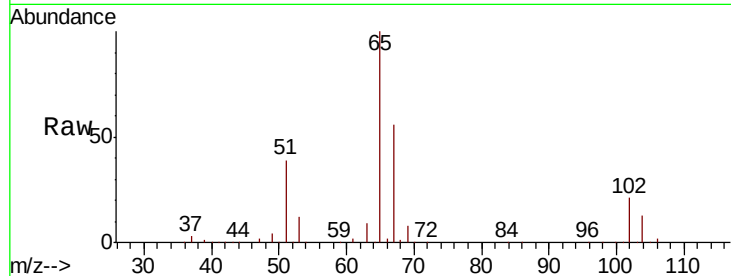




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

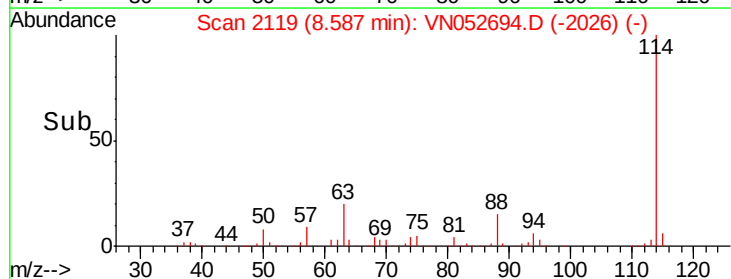
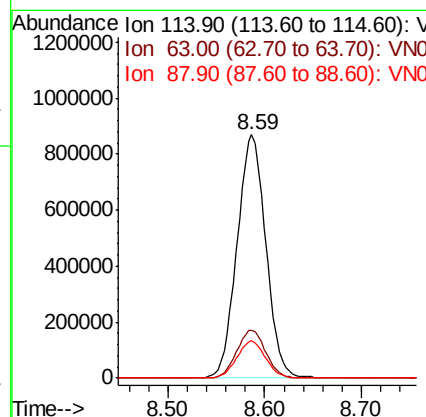
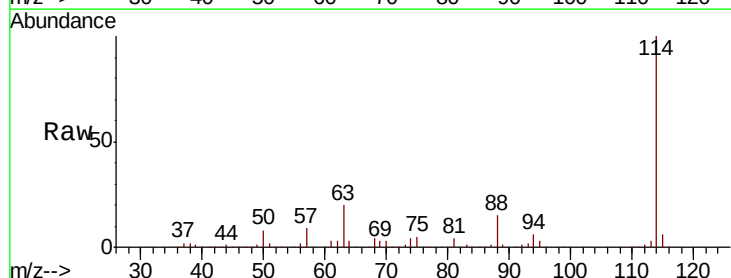
Instrument :
 MSVOA_N
 ClientSampleId :

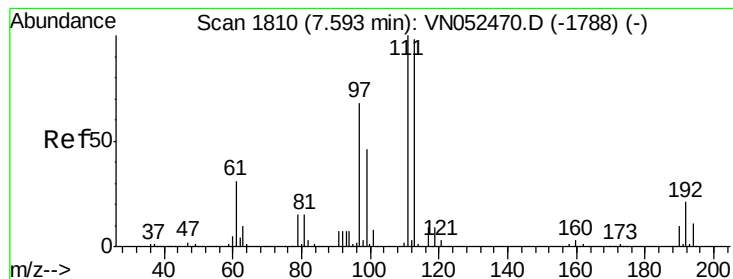
Tot Ion: 65 Resp: 621288
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

Tgt Ion: 114 Resp: 1796294
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.8
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

Instrument :
MSVOA_N
ClientSampleId :

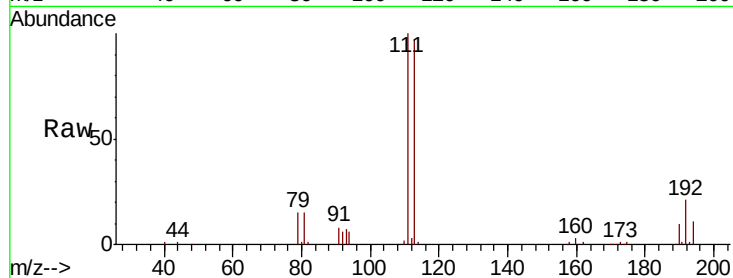
Tot Ion:113 Resp: 346496

Ion Ratio Lower Upper

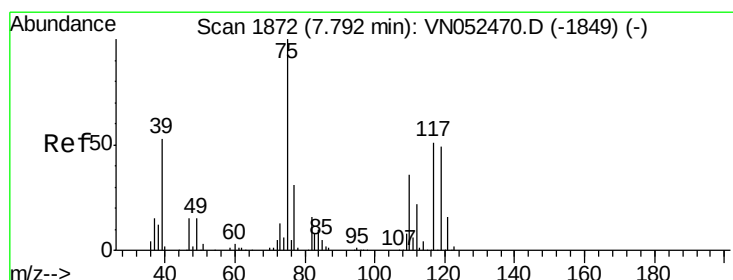
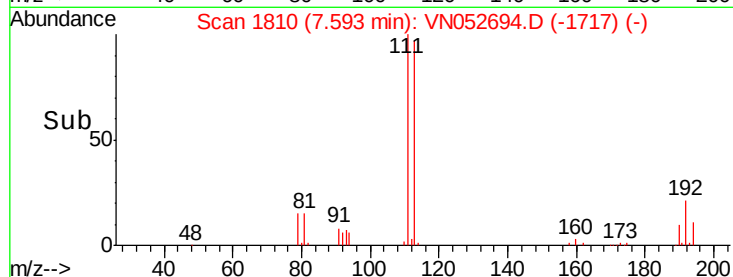
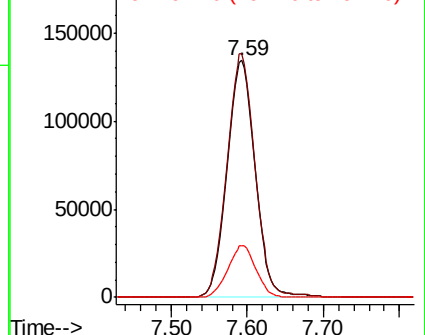
113 100

111 101.7 82.0 123.0

192 21.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.679 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

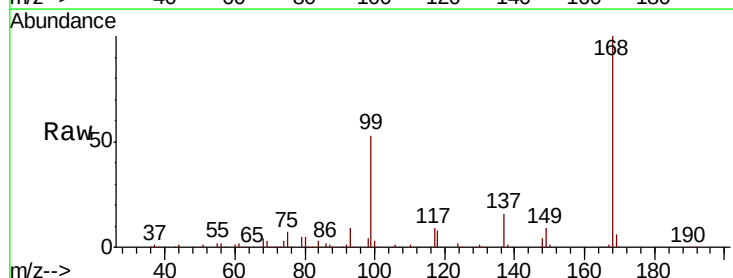
Tgt Ion: 75 Resp: 79361

Ion Ratio Lower Upper

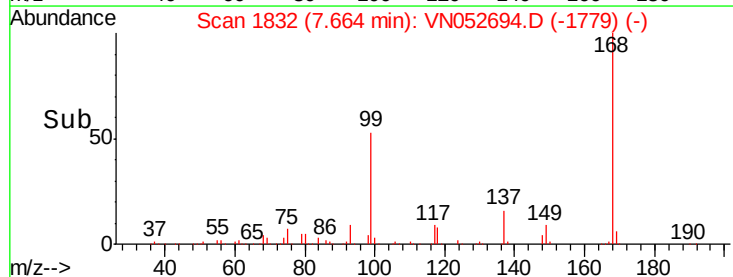
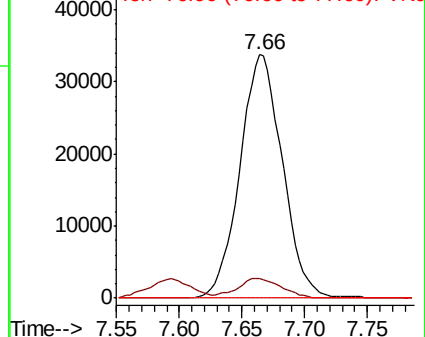
75 100

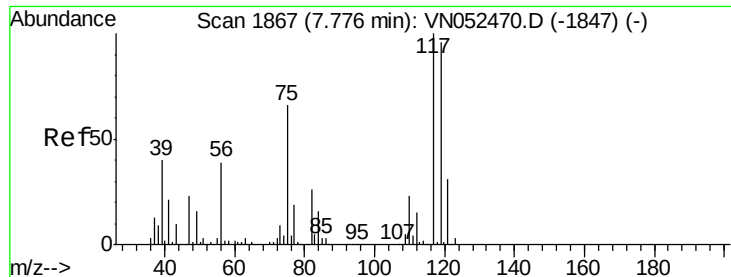
110 8.3 17.5 52.6#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.595 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

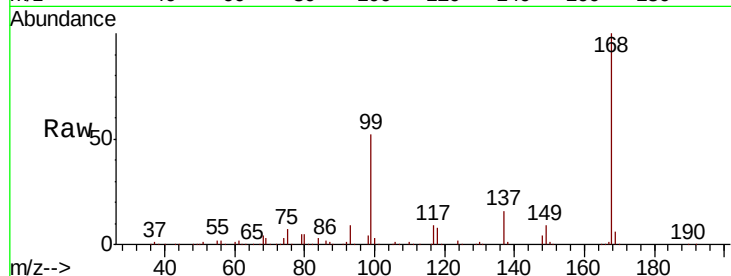
Tot Ion:117 Resp: 101266

Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

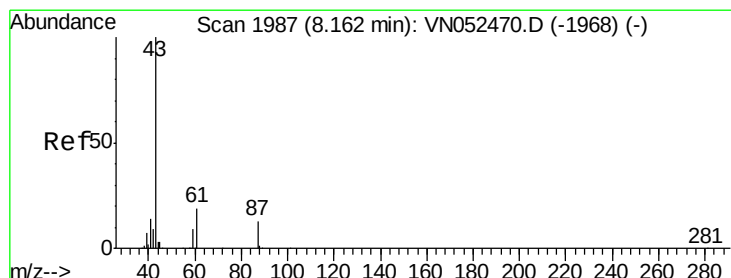
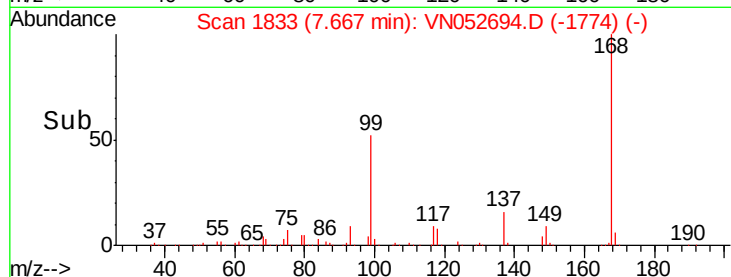
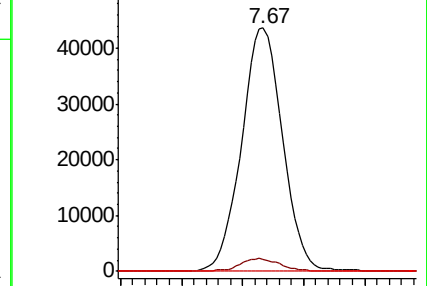
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.647 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.10 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

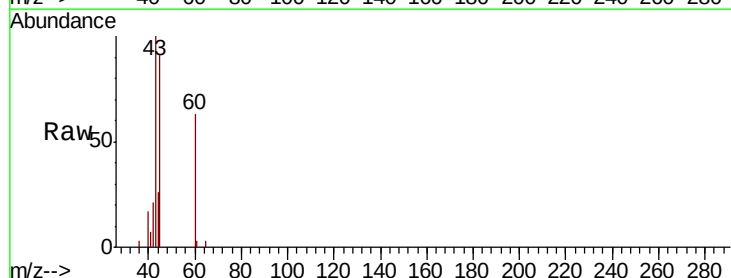
Tgt Ion: 43 Resp: 28855

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

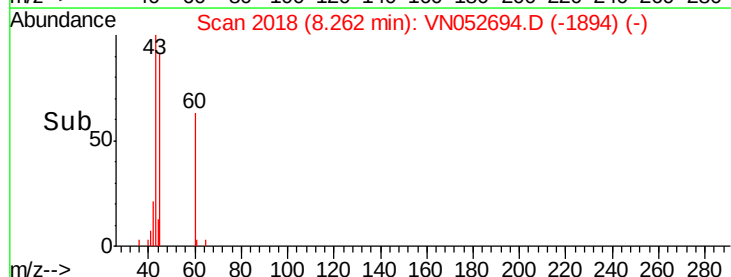
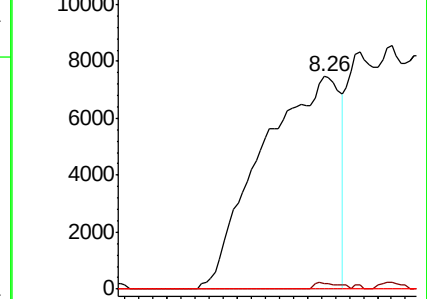
87 0.0 10.6 15.8#

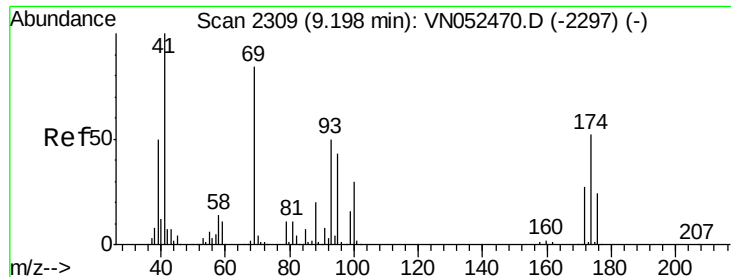


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

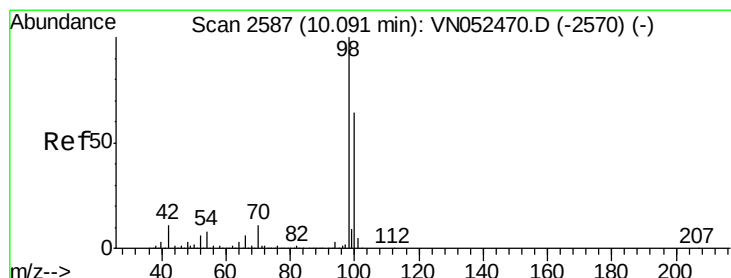
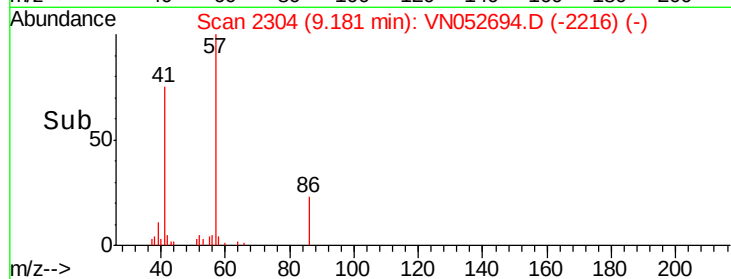
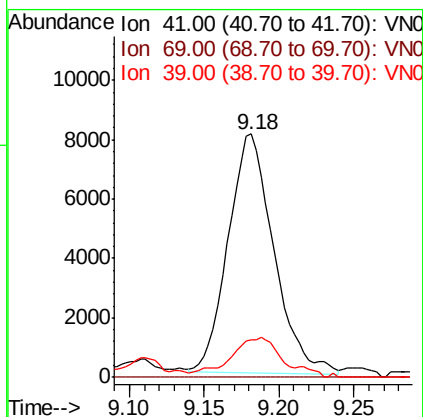
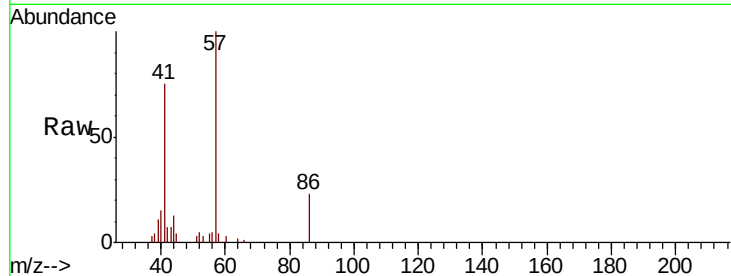




#48
Methvl methacrylate
Concen: 1.871 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

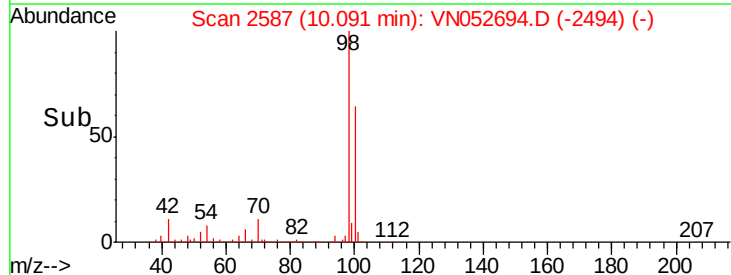
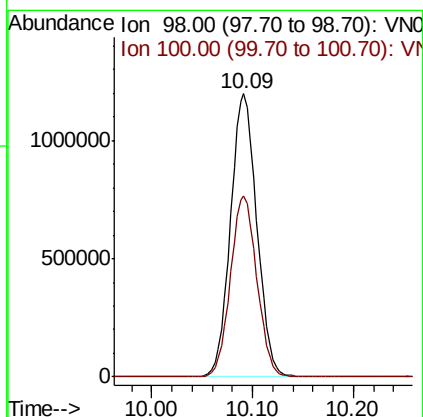
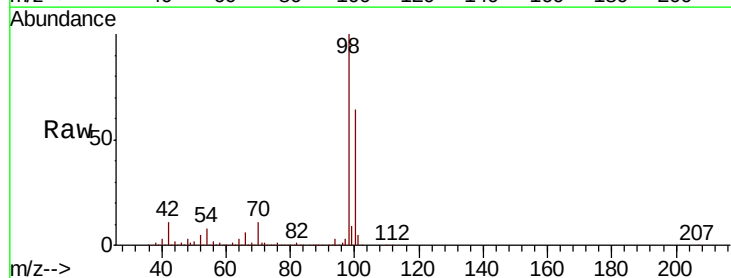
Instrument :
MSVOA_N
ClientSampled :

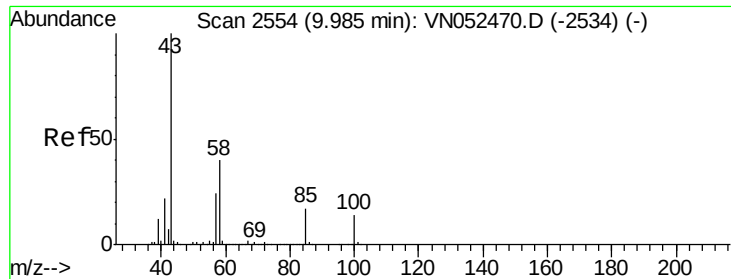
Tot Ion: 41 Resp: 17096
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 13.5 42.6 64.0#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion: 98 Resp: 2178692
Ion Ratio Lower Upper
98 100
100 64.1 51.3 76.9

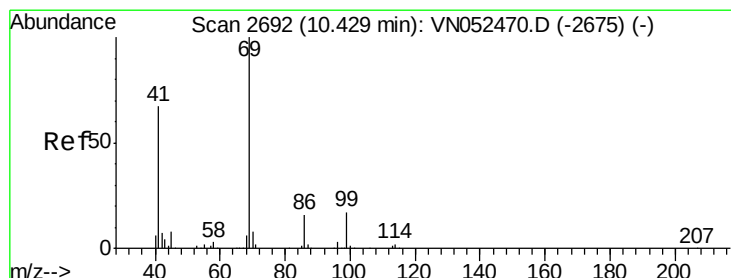
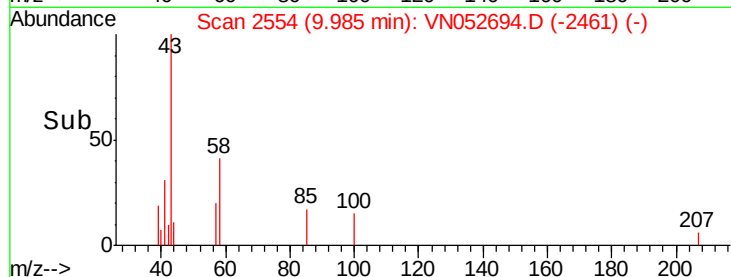
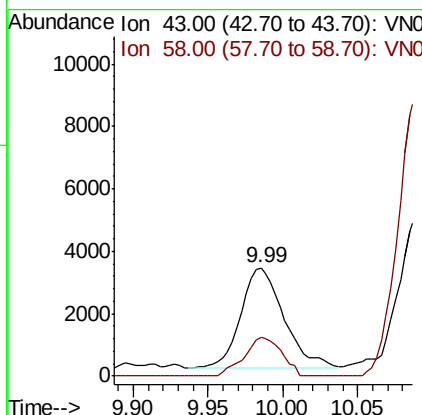
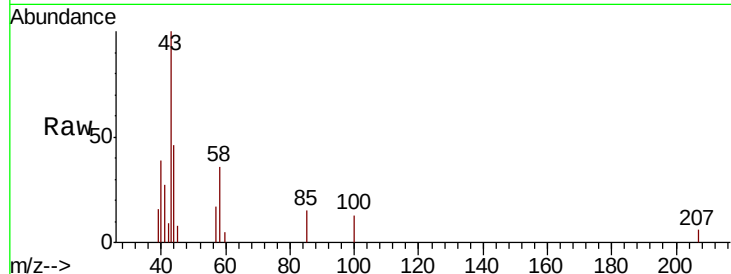




#51
 4-Methyl-2-Pentanone
 Concen: 0.659 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

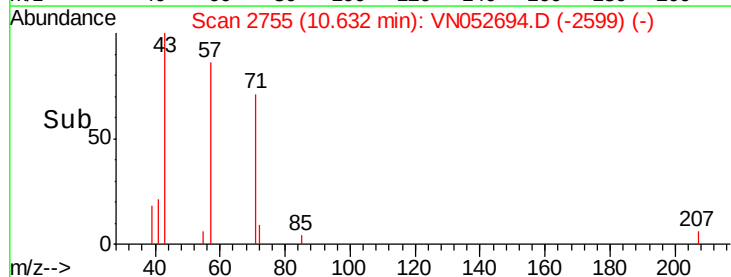
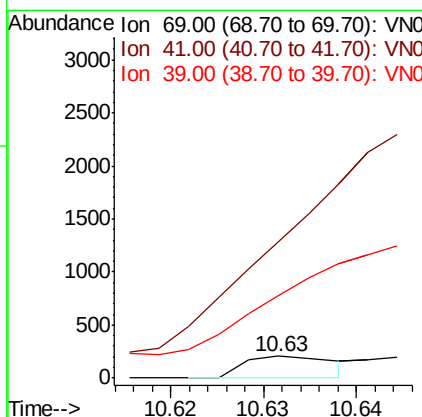
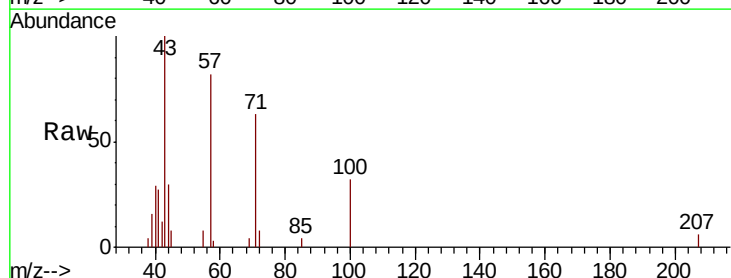
Instrument :
 MSVOA_N
 ClientSampled :

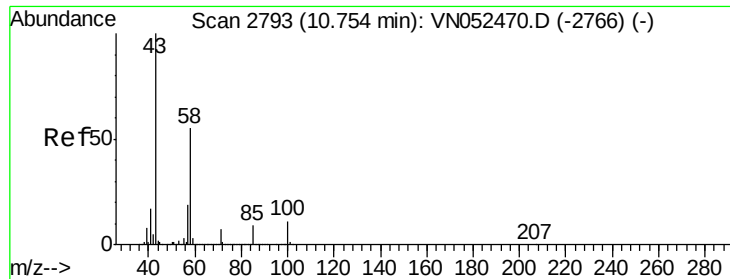
Tot Ion: 43 Resp: 6480
 Ion Ratio Lower Upper
 43 100
 58 33.5 31.5 47.3



#56
 Ethyl methacrylate
 Concen: 2.702 ug/l
 RT: 10.63 min Scan# 2755
 Delta R.T. 0.20 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

Tgt Ion: 69 Resp: 140
 Ion Ratio Lower Upper
 69 100
 41 0.0 52.6 79.0#
 39 0.0 25.9 38.9#

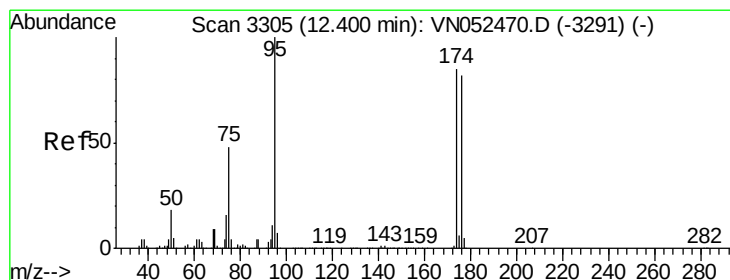
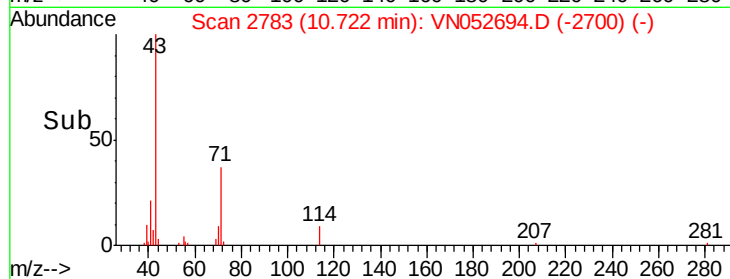
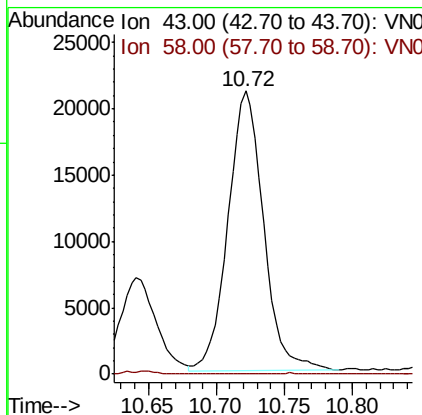
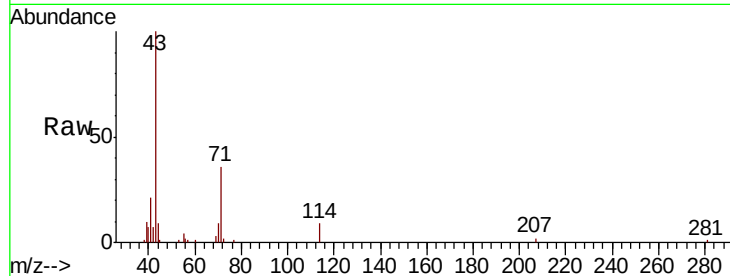




#59
2-Hexanone
Concen: 5.758 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.03 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

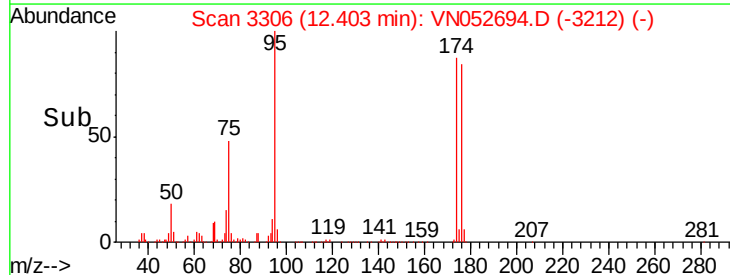
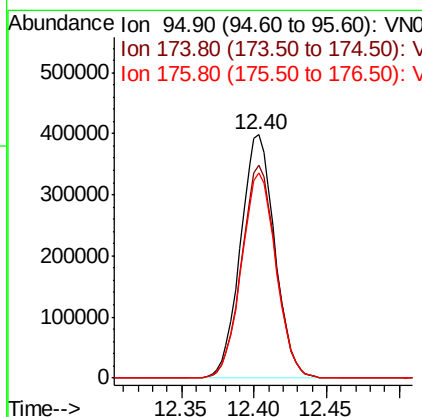
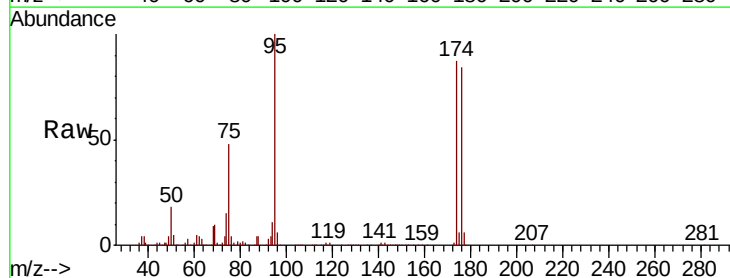
Instrument :
MSVOA_N
ClientSampled :

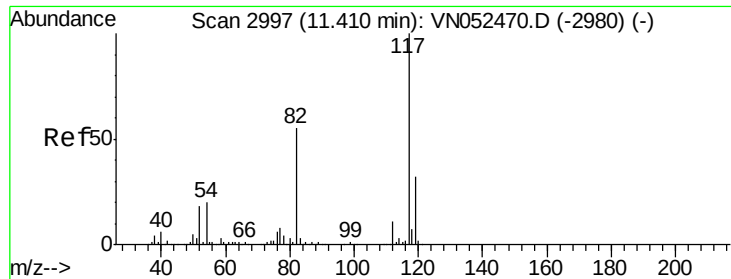
Tot Ion: 43 Resp: 37989
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion: 95 Resp: 655128
Ion Ratio Lower Upper
95 100
174 87.9 0.0 173.0
176 85.0 0.0 166.2

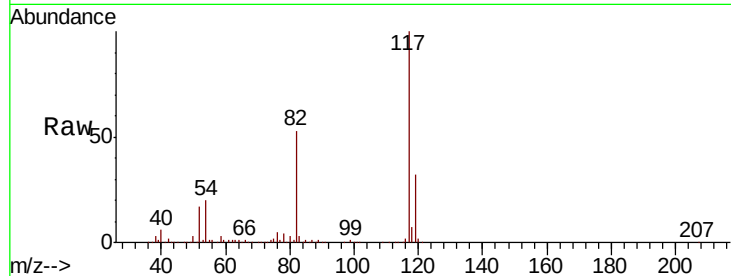




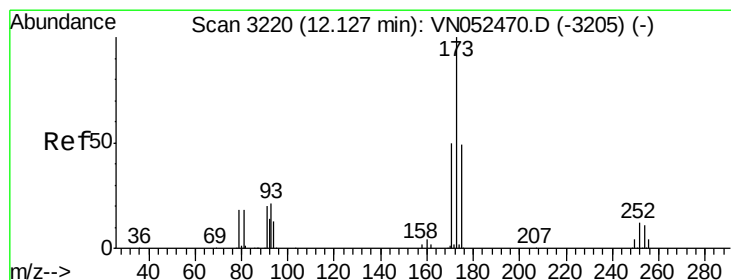
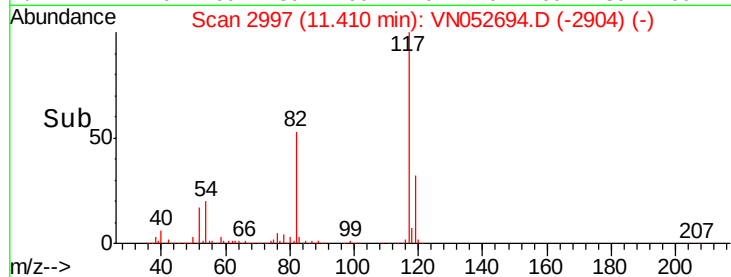
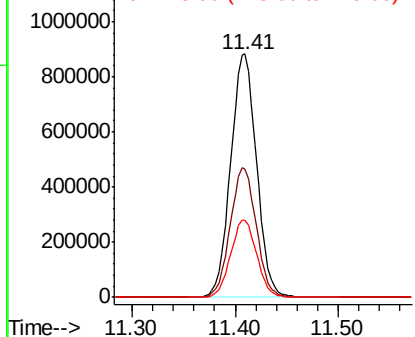
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1546164
Ion Ratio Lower Upper
117 100
82 52.9 43.6 65.4
119 31.7 25.4 38.2

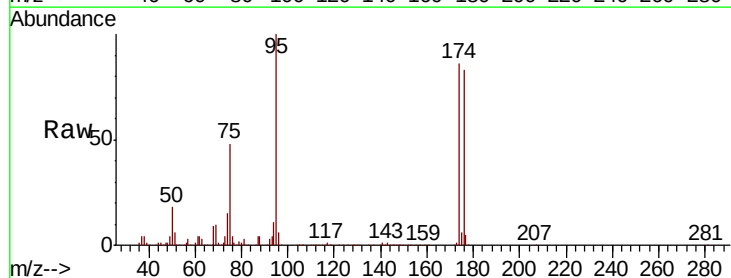


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

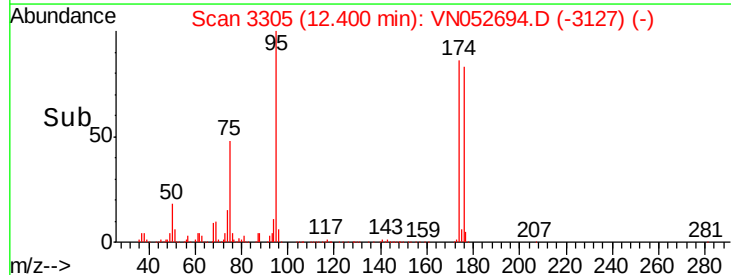
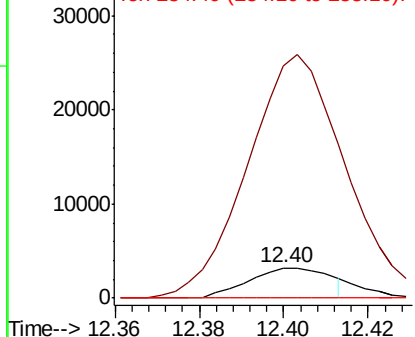


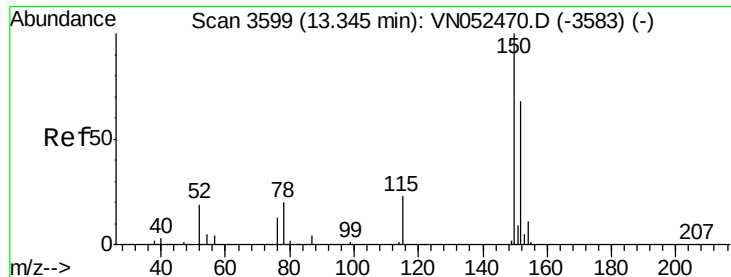
#71
Bromoform
Concen: 0.582 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052694.D
Acq: 6 Dec 2018 12:24

Tgt Ion:173 Resp: 4273
Ion Ratio Lower Upper
173 100
175 823.0 24.4 73.2#
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

Instrument :

MSVOA_N

ClientSampleId :

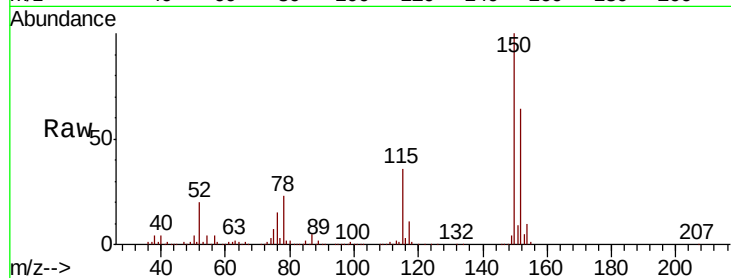
Tot Ion:152 Resp: 538967

Ion Ratio Lower Upper

152 100

115 56.5 28.4 85.2

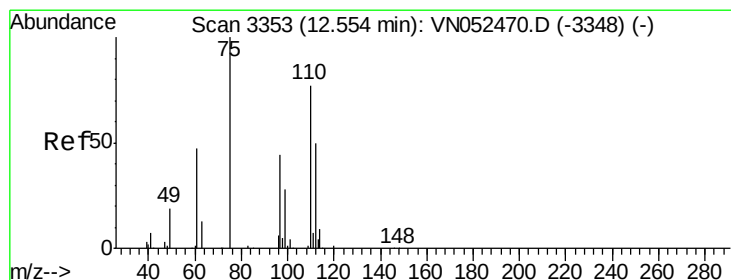
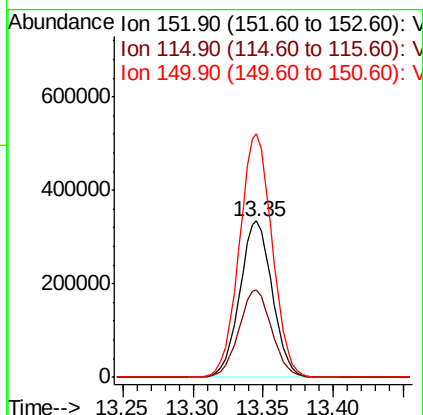
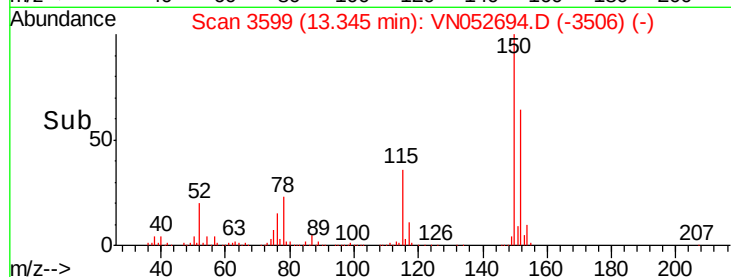
150 157.0 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 37.980 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052694.D

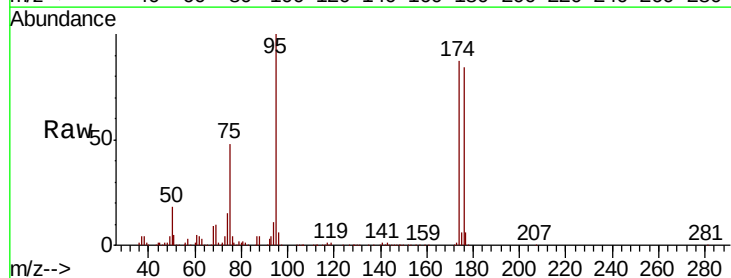
Acq: 6 Dec 2018 12:24

Tgt Ion: 75 Resp: 315655

Ion Ratio Lower Upper

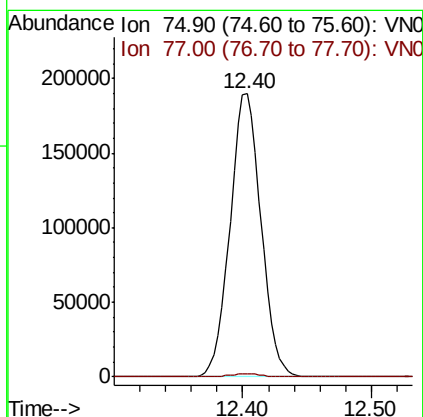
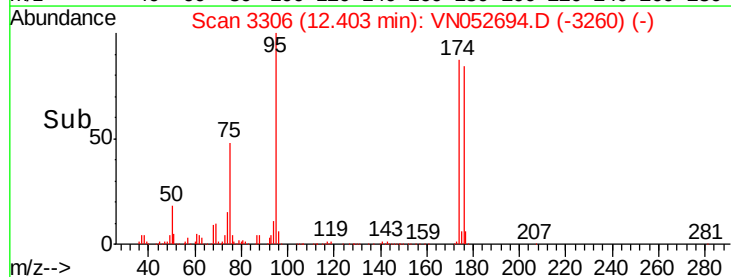
75 100

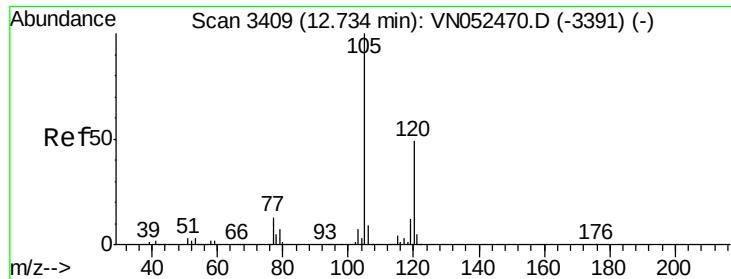
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

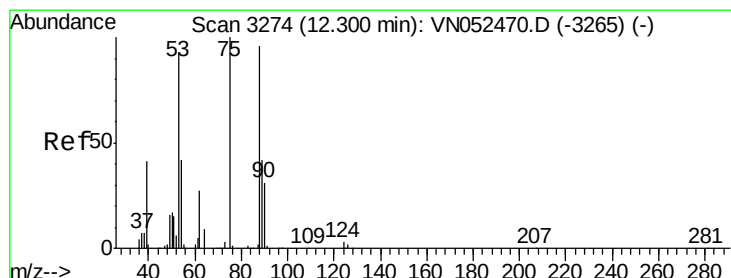
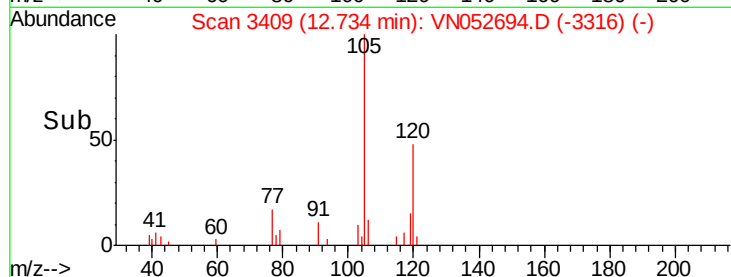
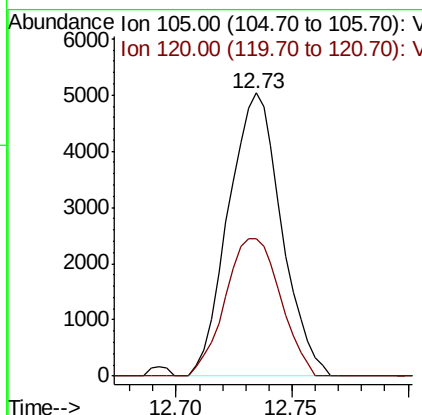
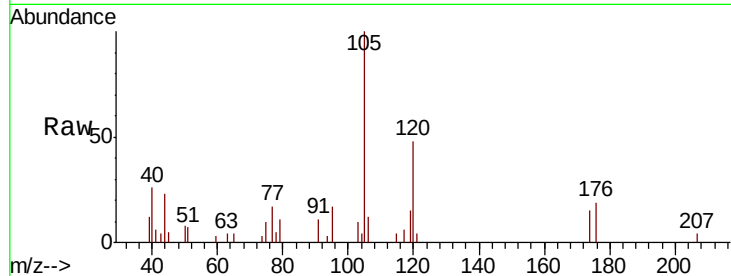




#80
 1,3,5-Trimethylbenzene
 Concen: 0.237 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

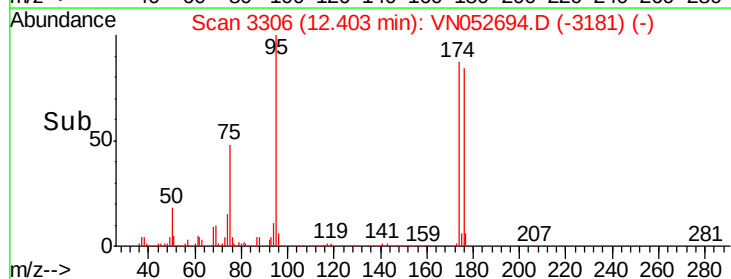
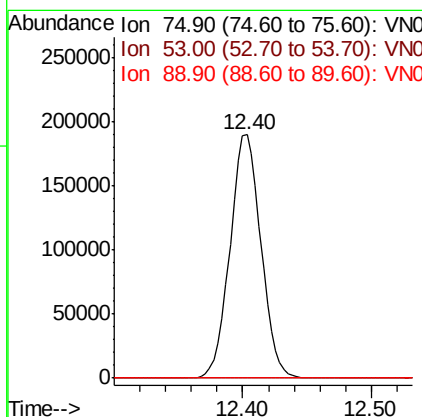
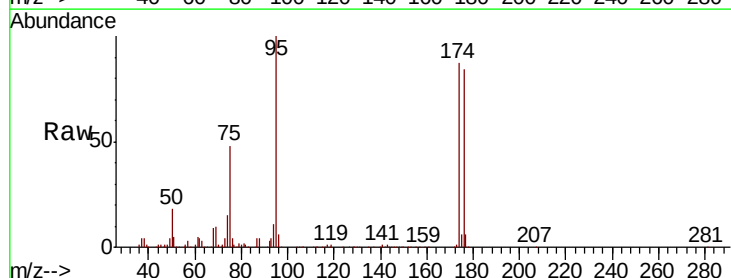
Instrument :
 MSVOA_N
 ClientSampled :

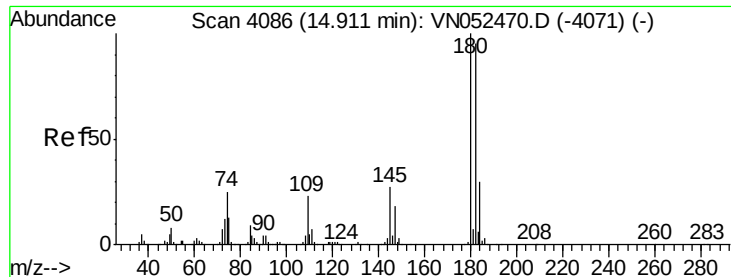
Tot Ion:105 Resp: 7994
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.834 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

Tgt Ion: 75 Resp: 315655
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.849 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

Instrument :

MSVOA_N

ClientSampled :

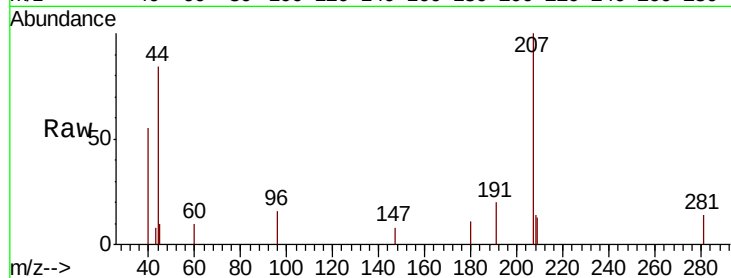
Tot Ion:180 Resp: 201

Ion Ratio Lower Upper

180 100

182 90.5 47.8 143.4

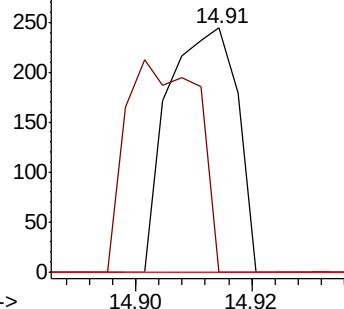
145 0.0 14.1 42.3#



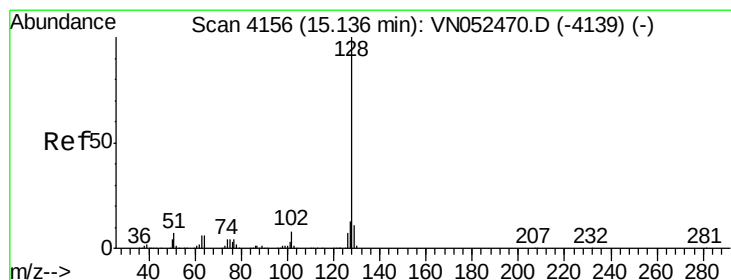
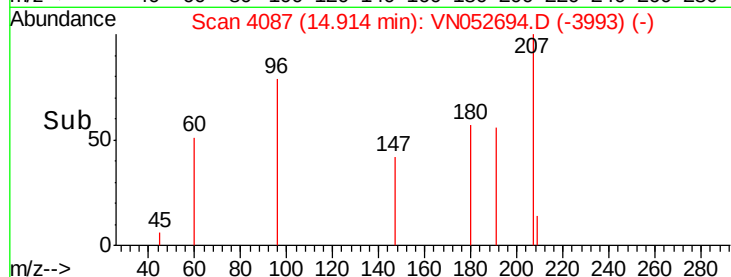
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 3.453 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.01 min

Lab File: VN052694.D

Acq: 6 Dec 2018 12:24

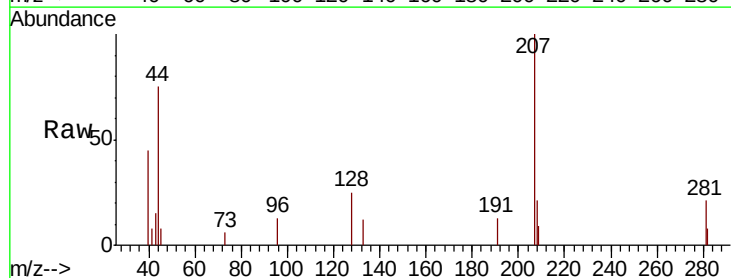
Tgt Ion:128 Resp: 533

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

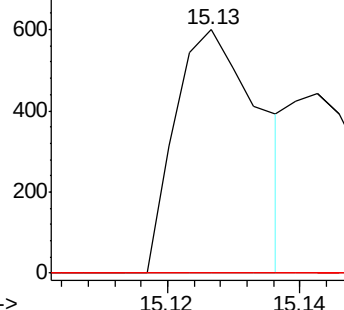
129 0.0 8.7 13.1#



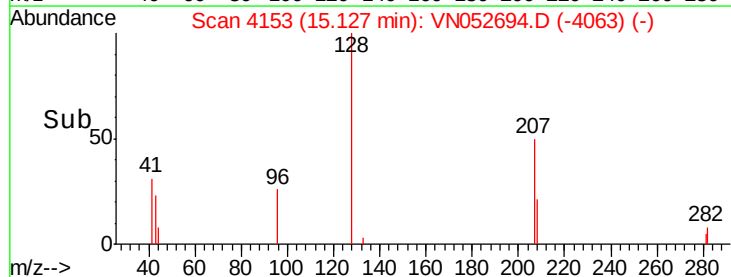
Abundance Ion 128.00 (127.70 to 128.70): V

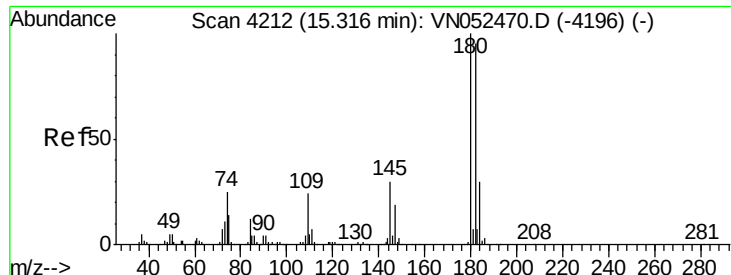
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 2.752 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: VN052694.D
 Acq: 6 Dec 2018 12:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.1	47.8	143.3
145	0.0	15.2	45.5

