

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120618\
 Data File : VN052689.D
 Acq On : 6 Dec 2018 10:02
 Operator : MD\SY
 Sample : VN1206WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 07 06:36:27 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	7.66	168	1106854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1709524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1468471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	483447	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	589443	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
35) Dibromofluoromethane	7.59	113	535754	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
50) Toluene-d8	10.09	98	2084797	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	607723	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

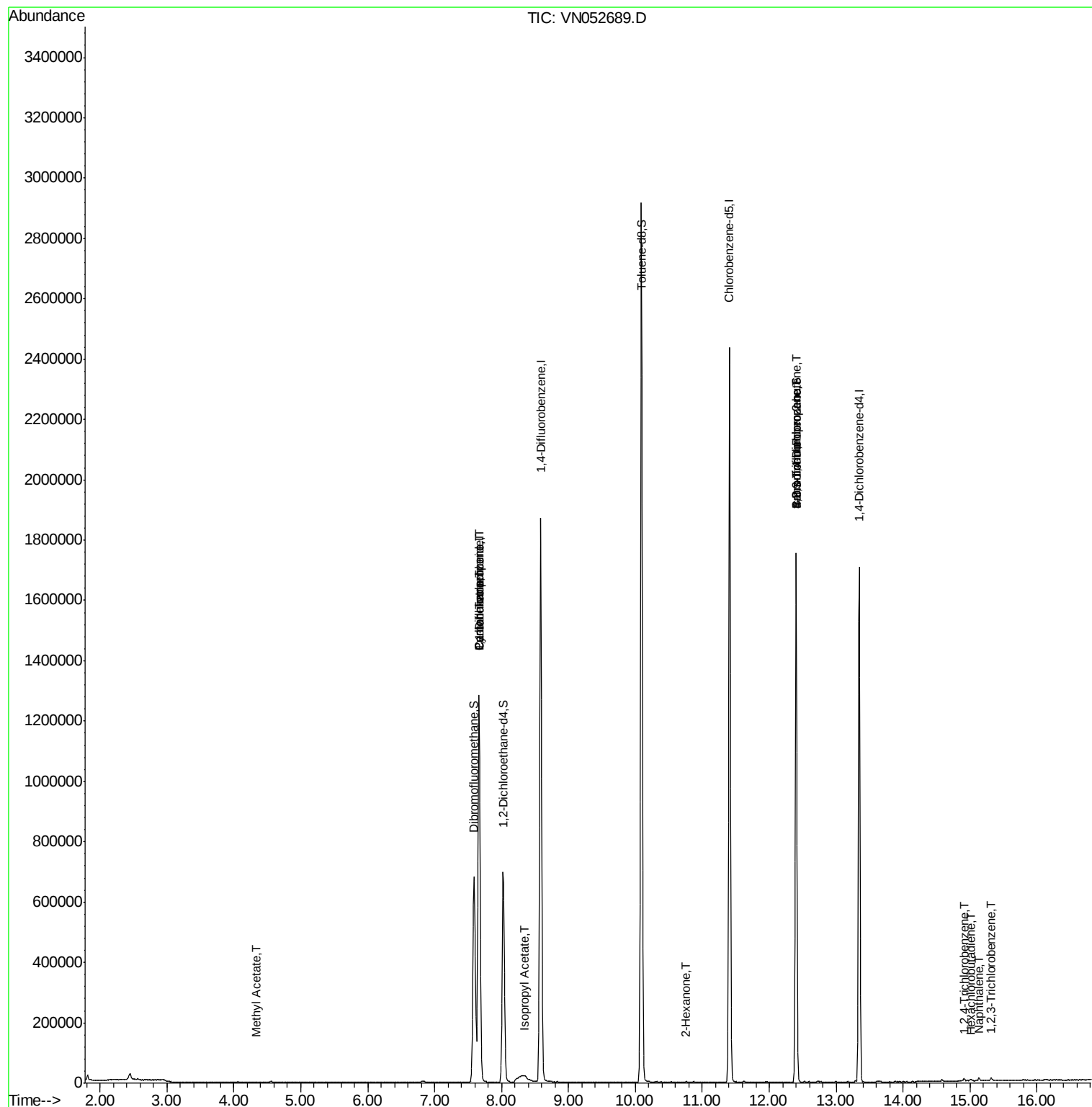
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.34	43	2089	0.229	ug/l #	70
31) Cyclohexane	7.66	56	19068	0.558	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	76548	4.742	ug/l #	50
38) Carbon Tetrachloride	7.66	117	98542	6.743	ug/l #	16
43) Isopropyl Acetate	8.33	43	53837	3.229	ug/l #	51
59) 2-Hexanone	10.76	43	1913	0.305	ug/l #	53
71) Bromoform	12.40	173	3916	0.562	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	291632	39.119	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	291632	130.639	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2722	3.129	ug/l	92
94) Hexachlorobutadiene	15.01	225	1191	0.236	ug/l	94
95) Naphthalene	15.13	128	8017	3.839	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	3785	3.180	ug/l	95

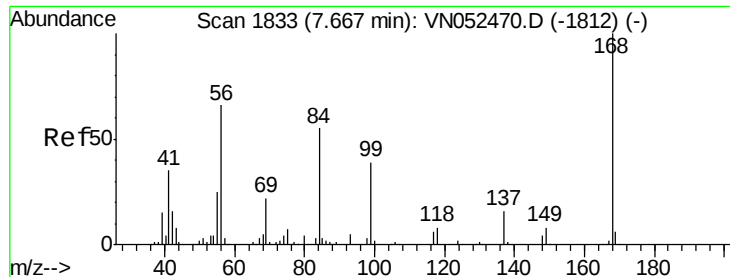
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120618\
Data File : VN052689.D
Acq On : 6 Dec 2018 10:02
Operator : MD\SY
Sample : VN1206WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 07 06:36:27 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

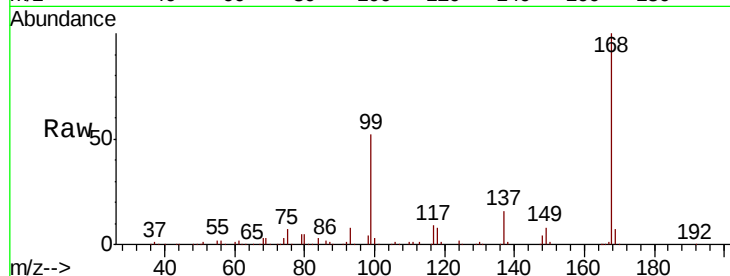
ClientSampled :

Tot Ion:168 Resp: 1106854

Ion Ratio Lower Upper

168 100

99 51.7 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) (-)

7.66

500000

400000

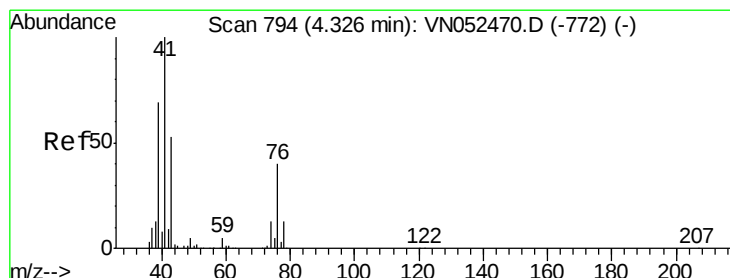
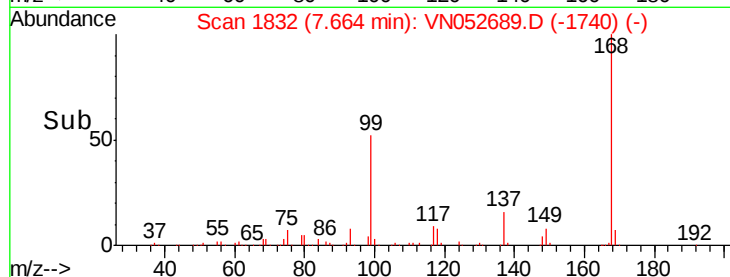
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 0.229 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052689.D

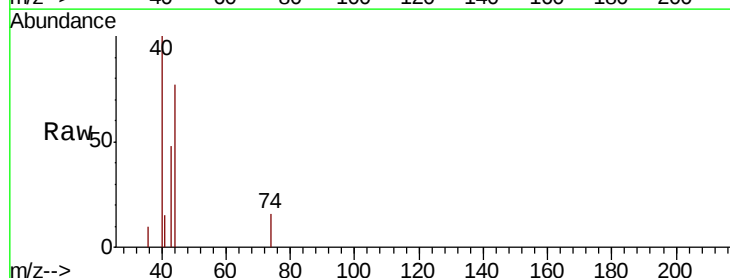
Acq: 6 Dec 2018 10:02

Tgt Ion: 43 Resp: 2089

Ion Ratio Lower Upper

43 100

74 8.7 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

4.34

800

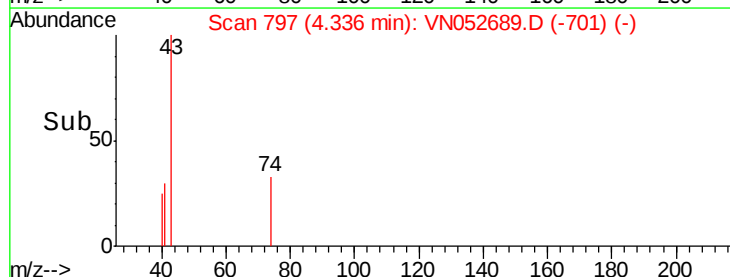
600

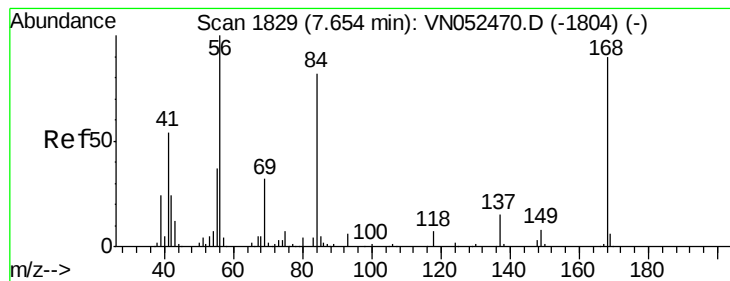
400

200

0

Time-->





#31

Cyclohexane

Concen: 0.558 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :
MSVOA_N
ClientSampled :

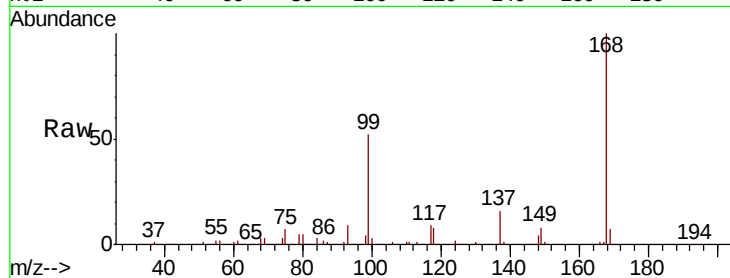
Tot Ion: 56 Resp: 19068

Ion Ratio Lower Upper

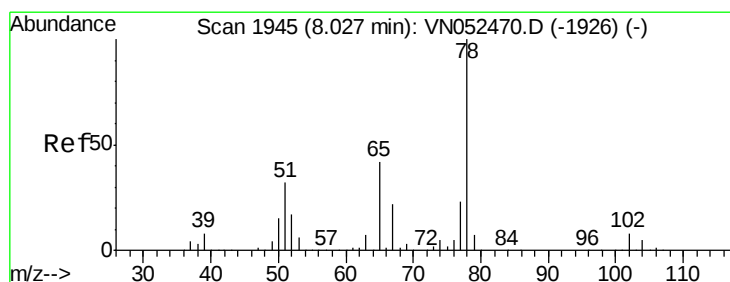
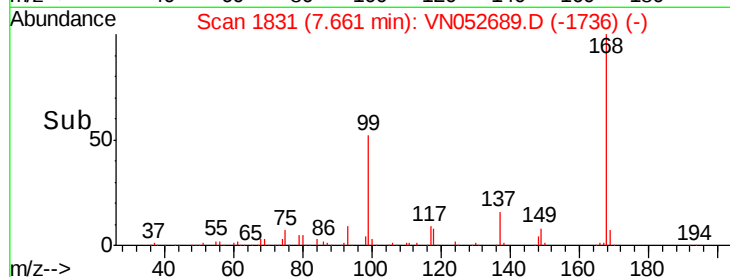
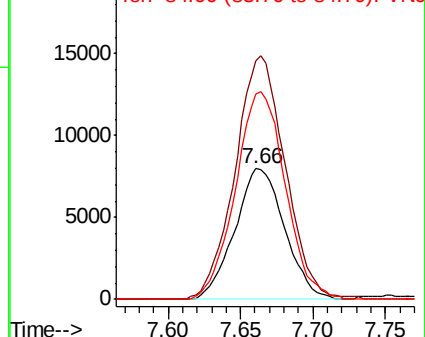
56 100

69 180.7 25.8 38.6#

84 157.6 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN052689.D

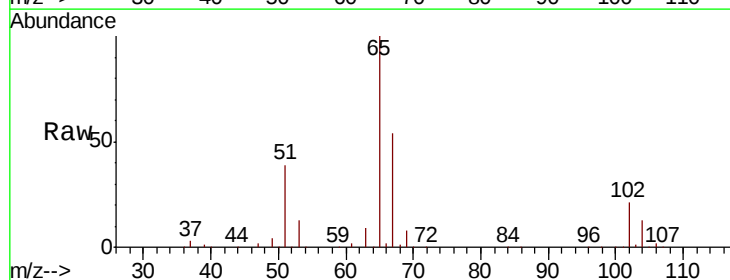
Acq: 6 Dec 2018 10:02

Tgt Ion: 65 Resp: 589443

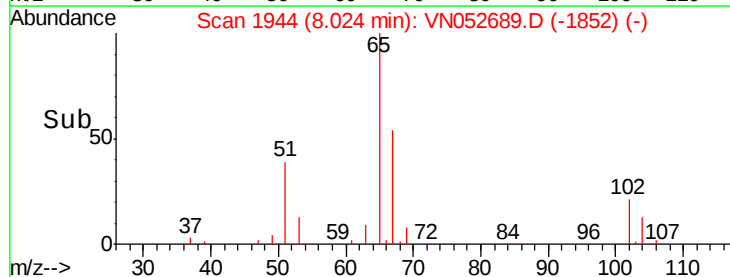
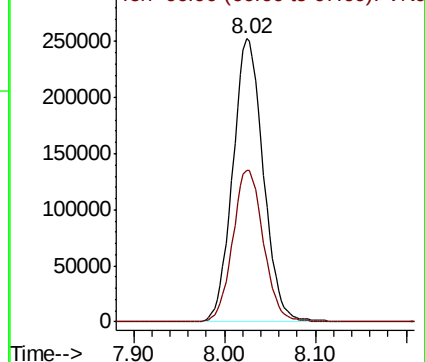
Ion Ratio Lower Upper

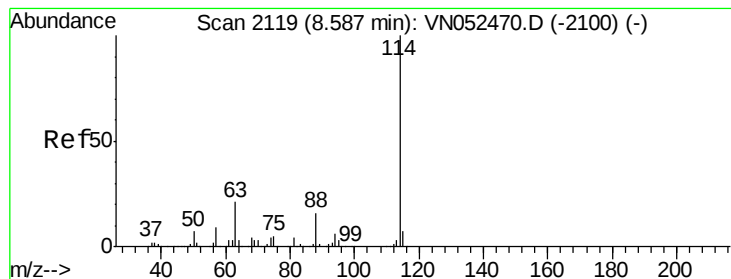
65 100

67 54.0 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

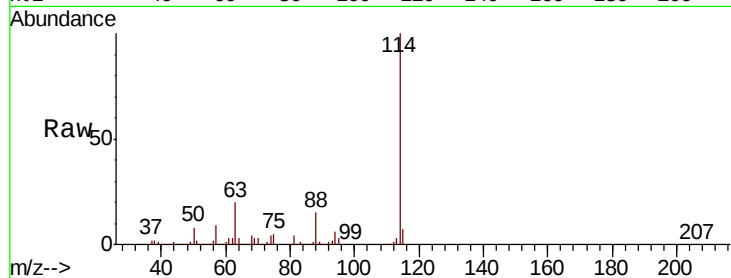
Tot Ion:114 Resp: 1709524

Ion Ratio Lower Upper

114 100

63 20.5 0.0 41.8

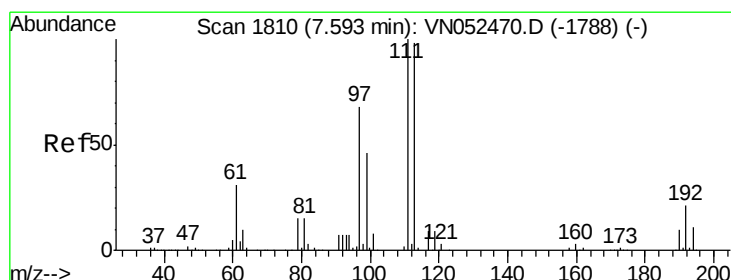
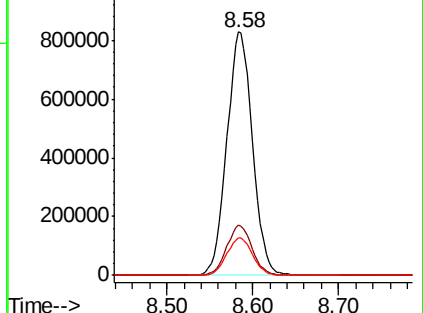
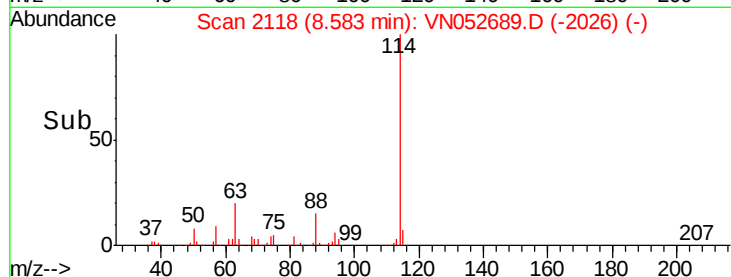
88 15.4 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

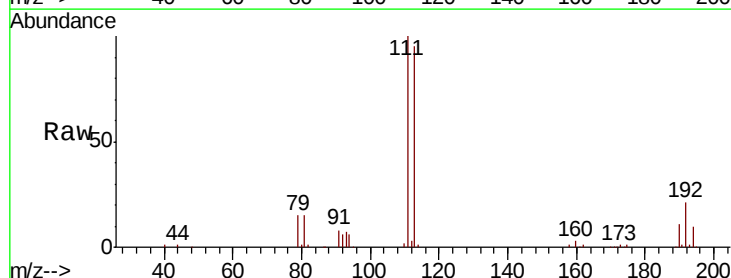
Tgt Ion:113 Resp: 535754

Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

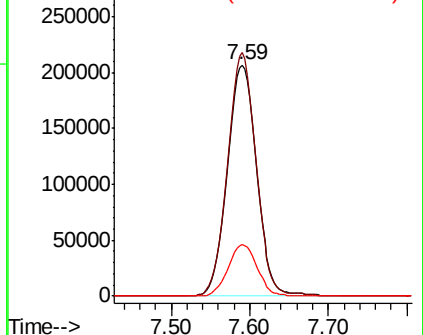
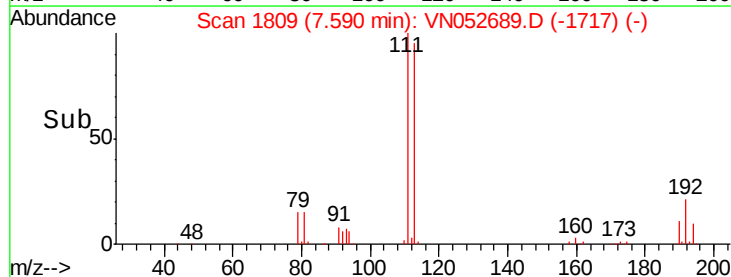
192 22.1 17.0 25.6

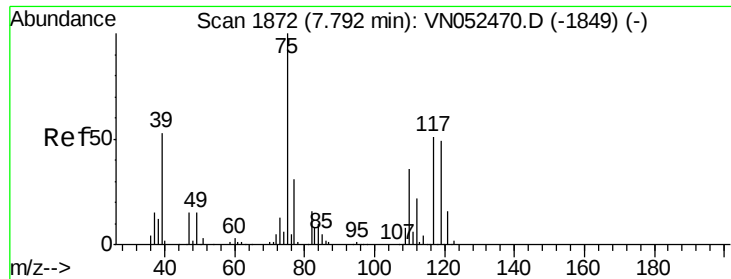


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

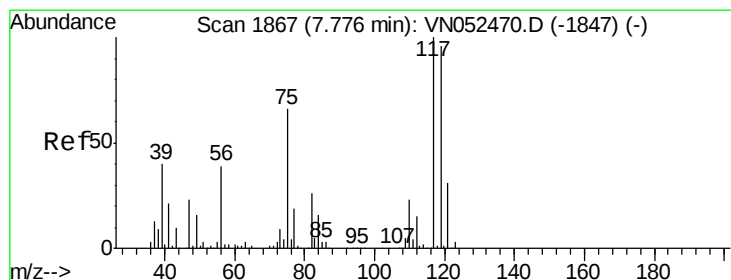
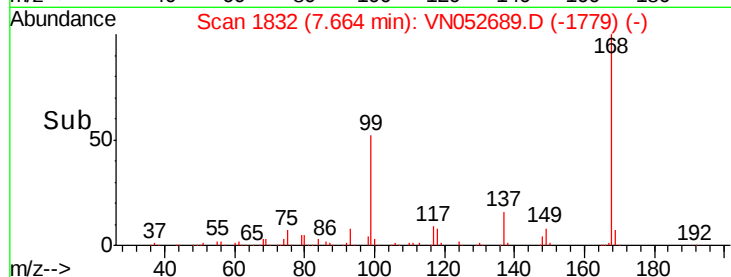
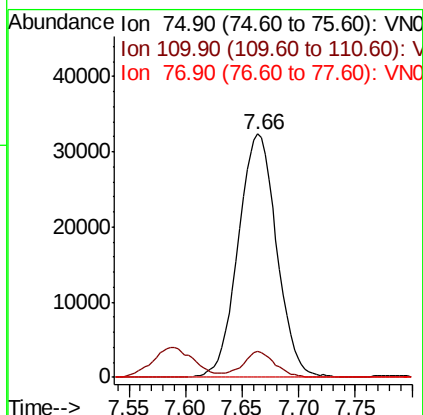
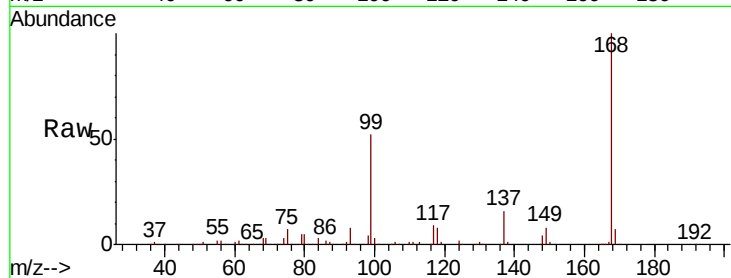




#36
 1,1-Dichloropropene
 Concen: 4.742 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052689.D
 Acq: 6 Dec 2018 10:02

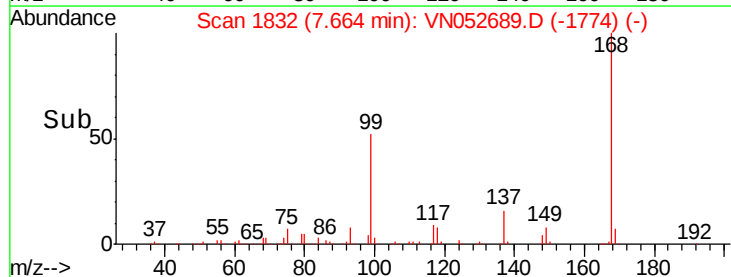
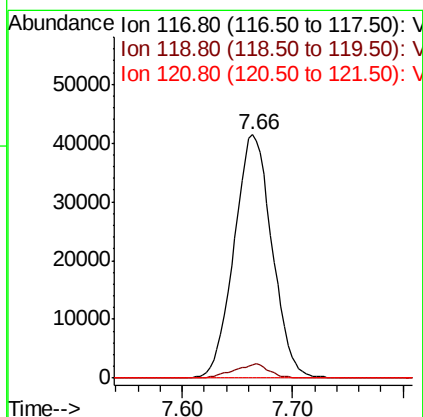
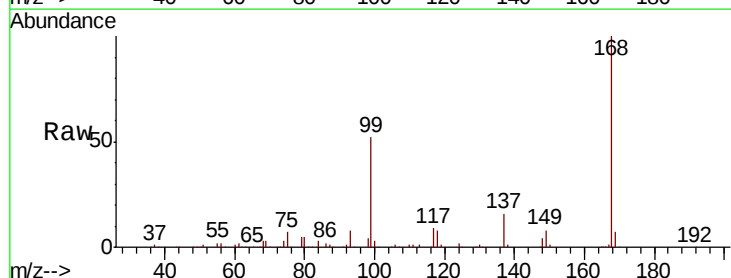
Instrument :
 MSVOA_N
 ClientSampled :

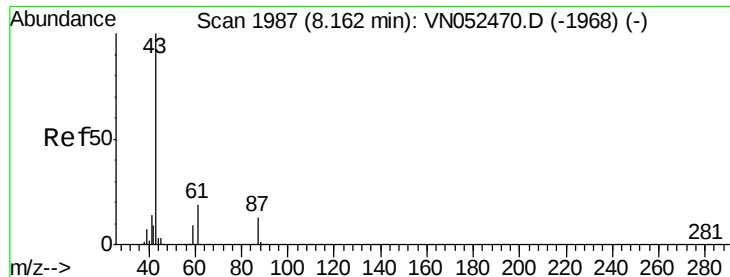
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.5	52.6#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 6.743 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052689.D
 Acq: 6 Dec 2018 10:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.8	115.2#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 3.229 ug/l

RT: 8.33 min Scan# 2038

Delta R.T. 0.16 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

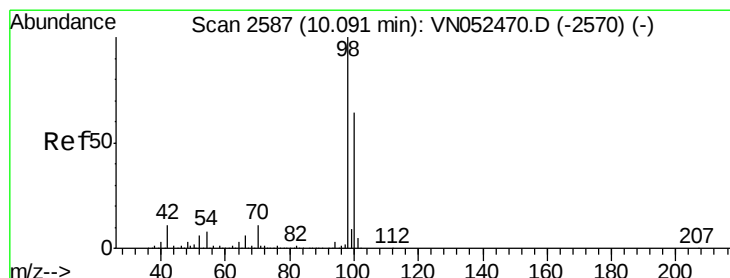
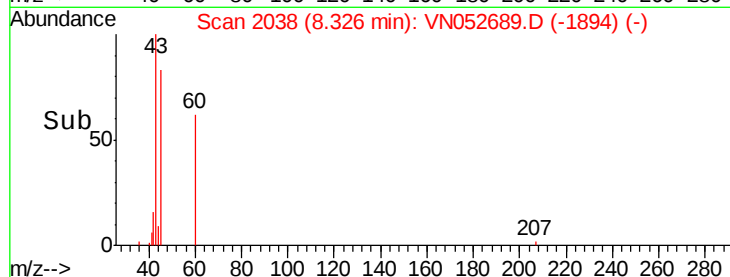
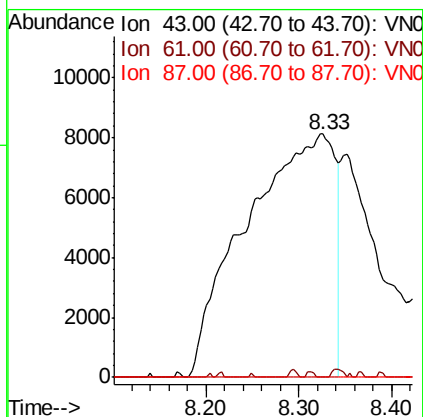
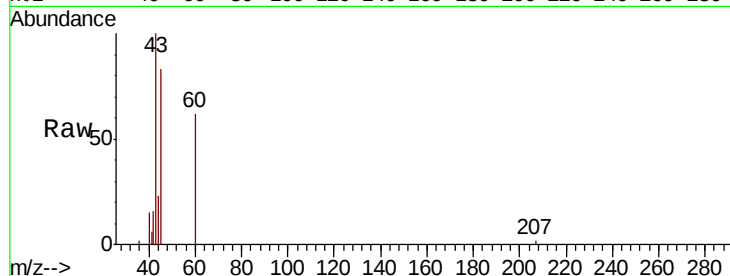
Tot Ion: 43 Resp: 53837

Ion Ratio Lower Upper

43 100

61 0.0 24.1 36.1#

87 0.0 10.6 15.8#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052689.D

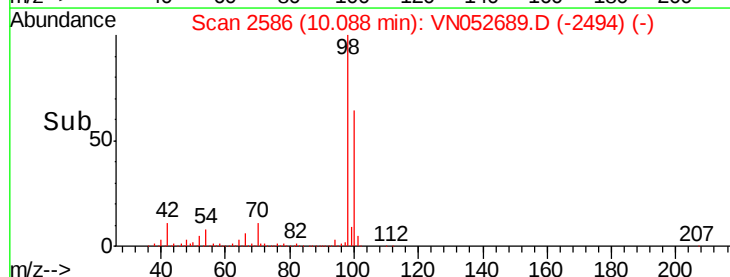
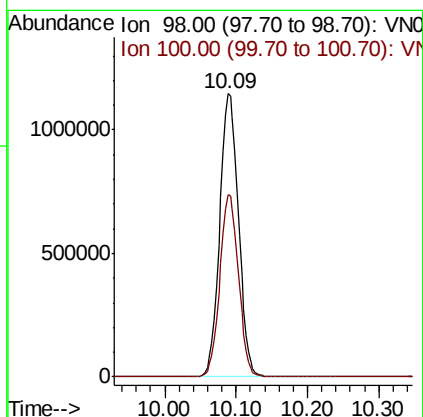
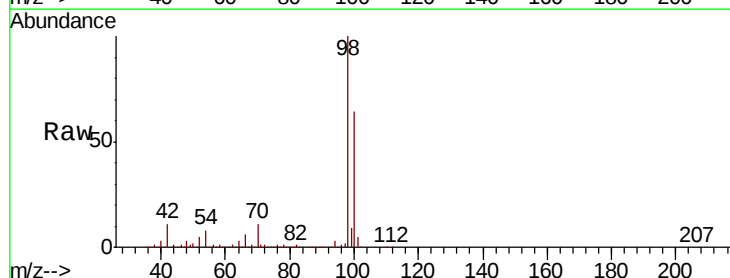
Acq: 6 Dec 2018 10:02

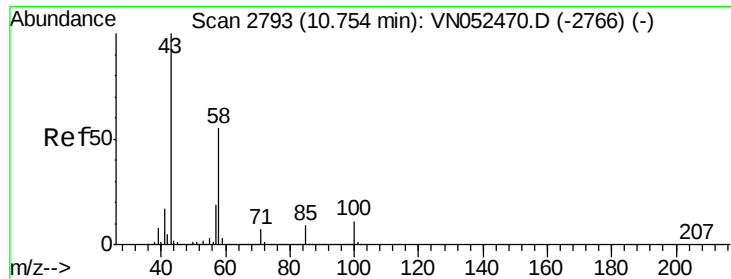
Tgt Ion: 98 Resp: 2084797

Ion Ratio Lower Upper

98 100

100 63.8 51.3 76.9

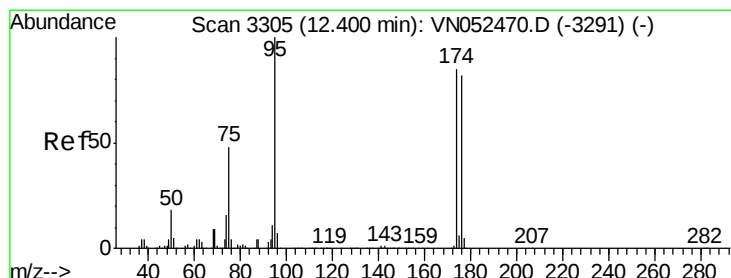
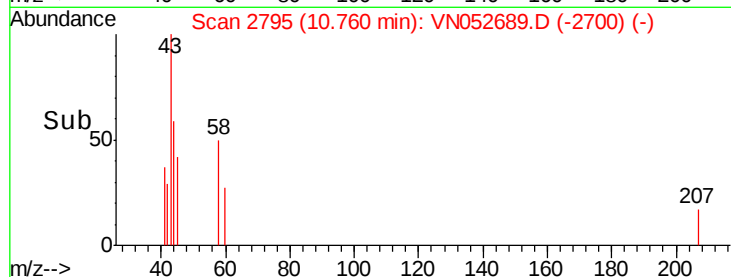
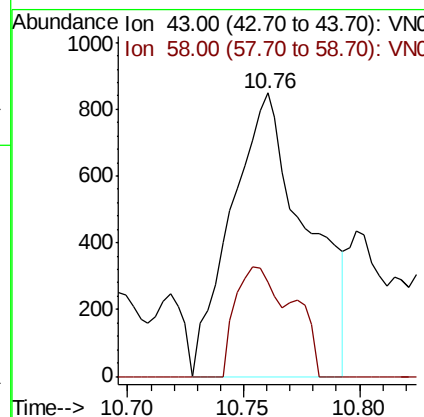
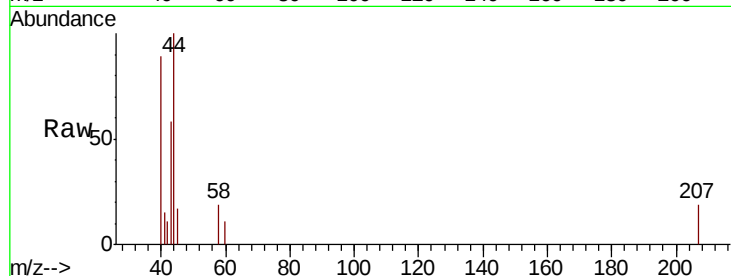




#59
2-Hexanone
Concen: 0.305 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN052689.D
Acq: 6 Dec 2018 10:02

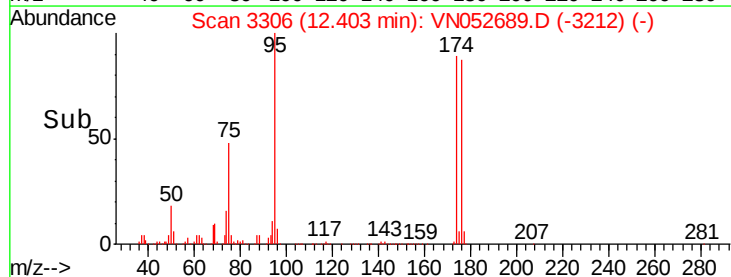
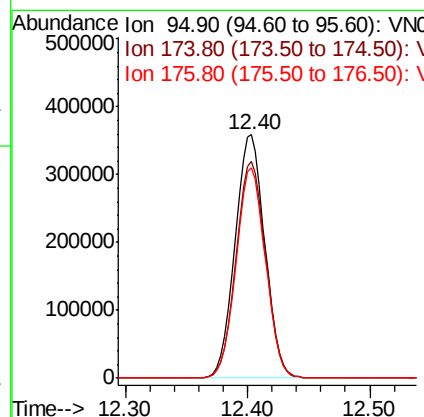
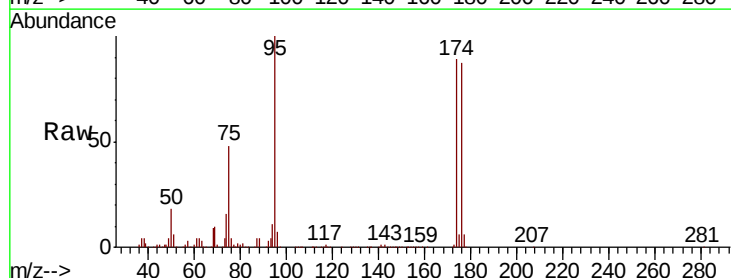
Instrument :
MSVOA_N
ClientSampled :

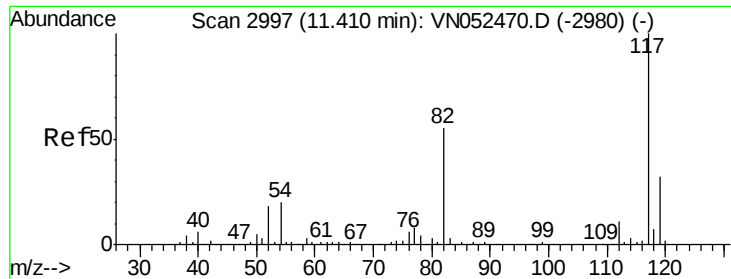
Tot Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 21.1 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052689.D
Acq: 6 Dec 2018 10:02

Tgt Ion: 95 Resp: 607723
Ion Ratio Lower Upper
95 100
174 88.8 0.0 173.0
176 85.6 0.0 166.2

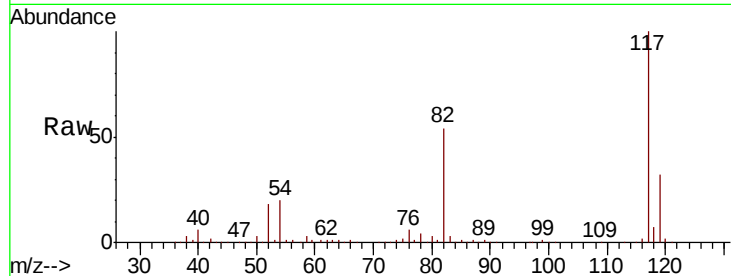




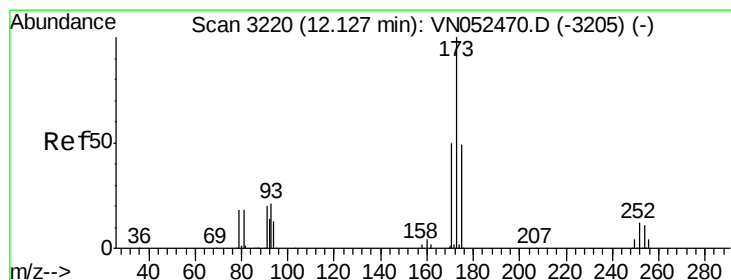
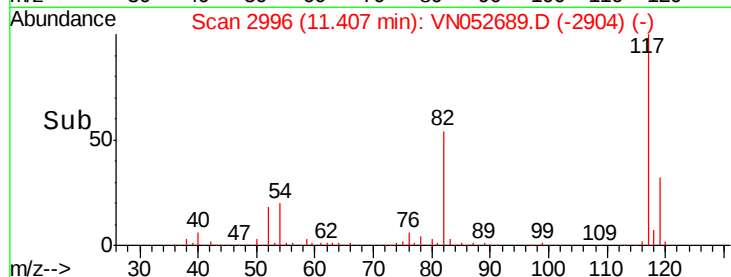
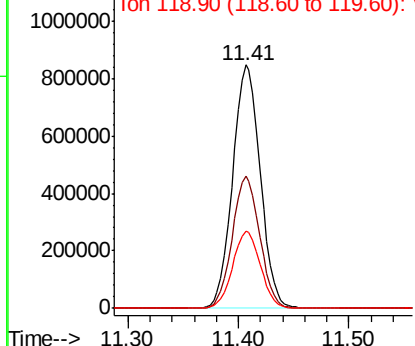
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052689.D
Acq: 6 Dec 2018 10:02

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1468471
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 31.9 25.4 38.2

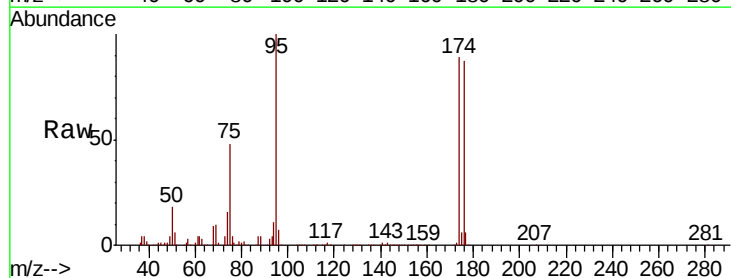


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

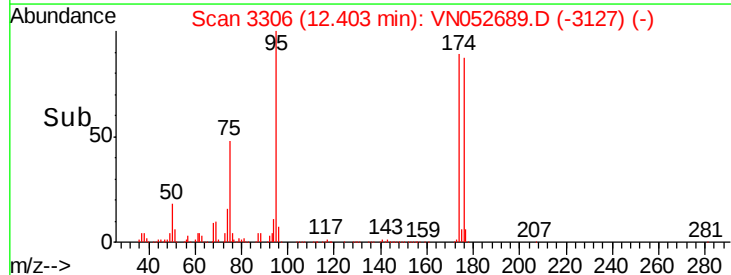
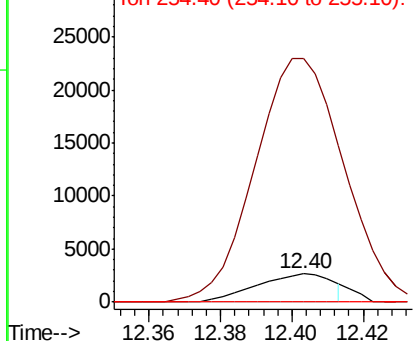


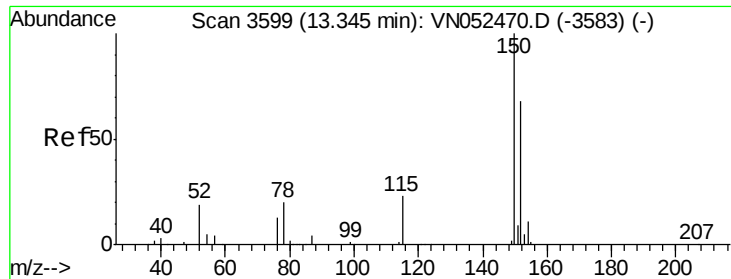
#71
Bromoform
Concen: 0.562 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052689.D
Acq: 6 Dec 2018 10:02

Tgt Ion:173 Resp: 3916
Ion Ratio Lower Upper
173 100
175 868.2 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: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

ClientSampleId :

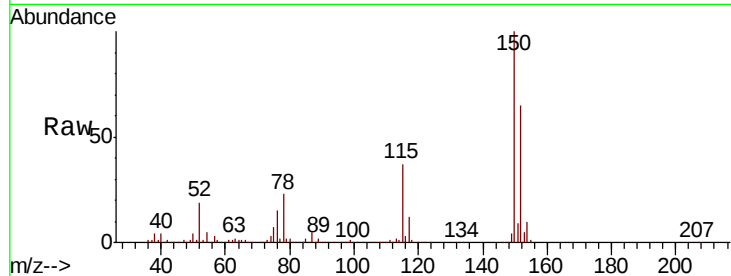
Tot Ion:152 Resp: 483447

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

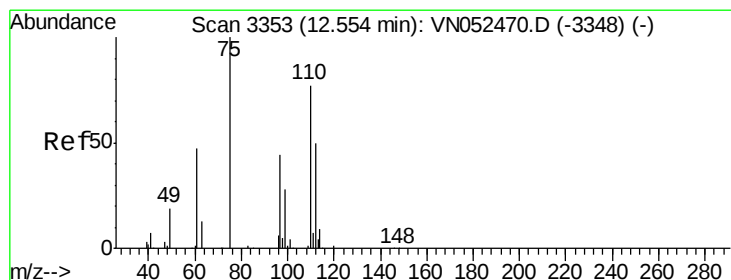
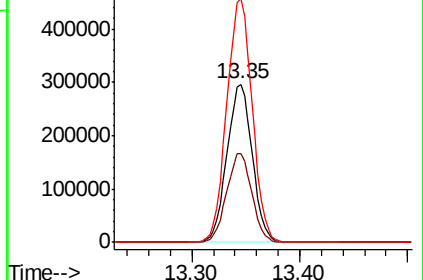
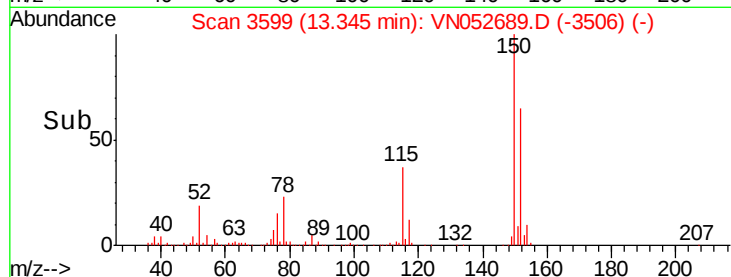
150 155.5 0.0 346.0



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: 39.119 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052689.D

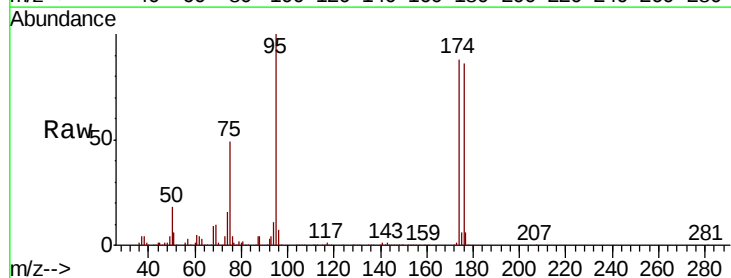
Acq: 6 Dec 2018 10:02

Tgt Ion: 75 Resp: 291632

Ion Ratio Lower Upper

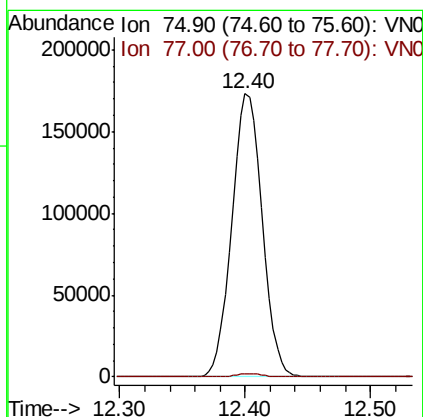
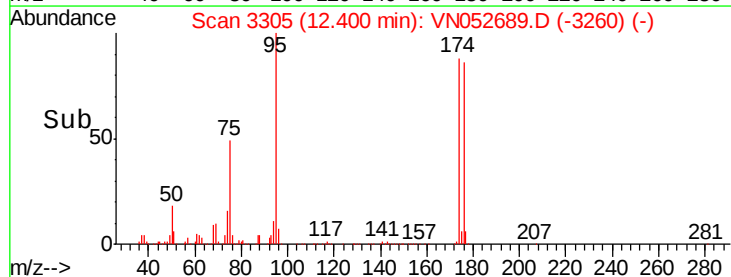
75 100

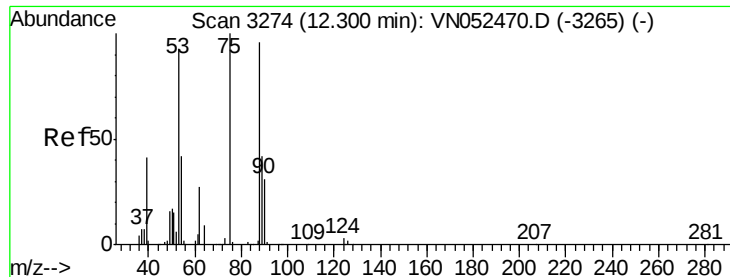
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 130.639 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

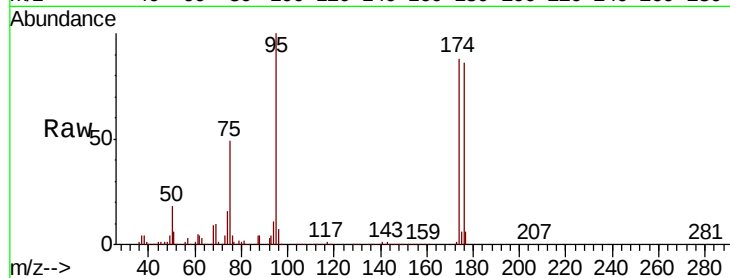
Tot Ion: 75 Resp: 291632

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

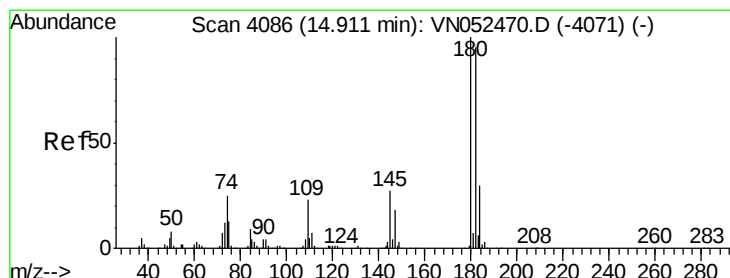
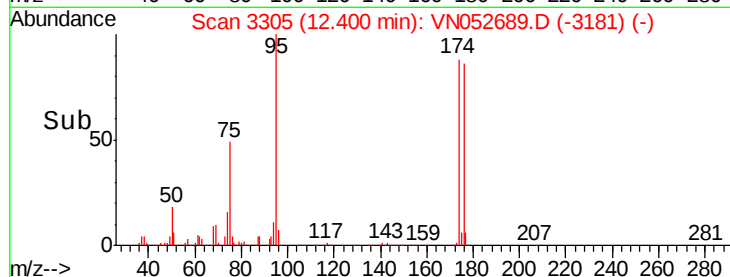
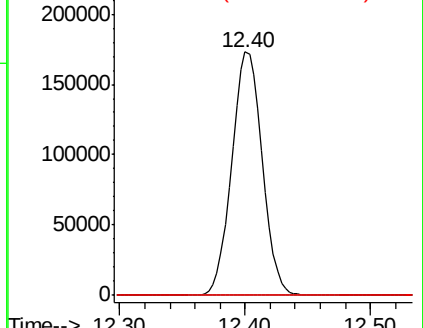
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.129 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

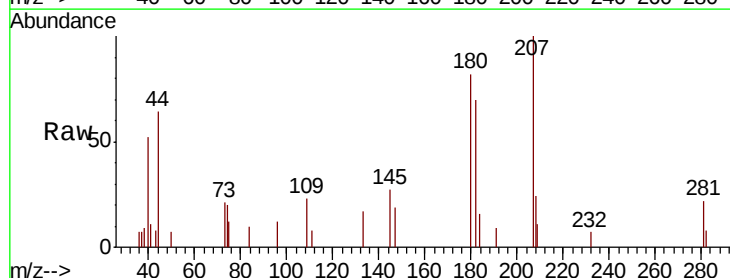
Tgt Ion: 180 Resp: 2722

Ion Ratio Lower Upper

180 100

182 102.4 47.8 143.4

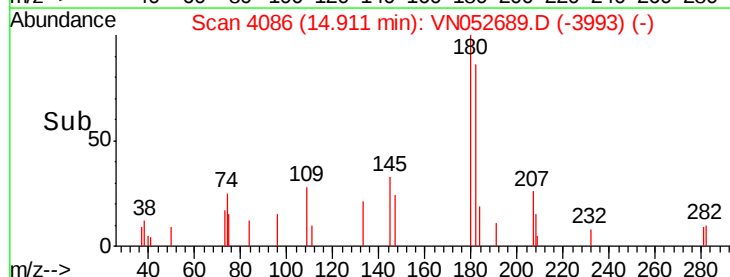
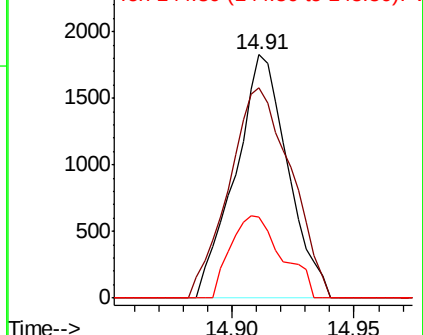
145 33.2 14.1 42.3

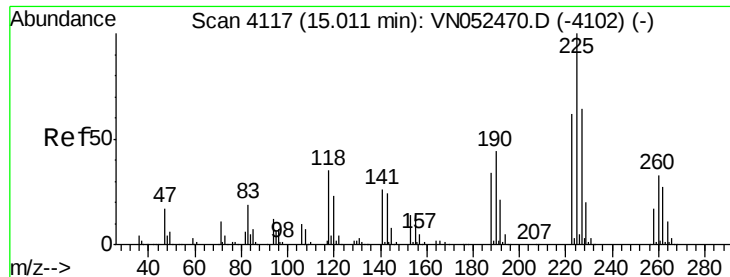


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.236 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

Instrument :

MSVOA_N

ClientSampled :

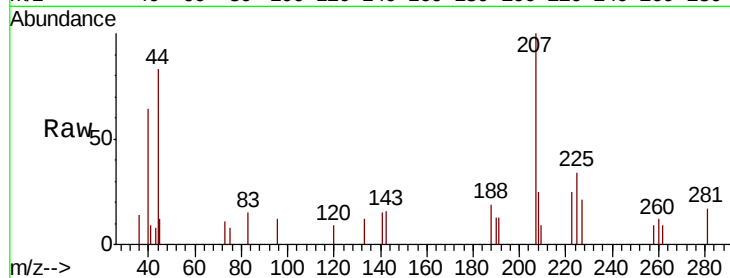
Tot Ion:225 Resp: 1191

Ion Ratio Lower Upper

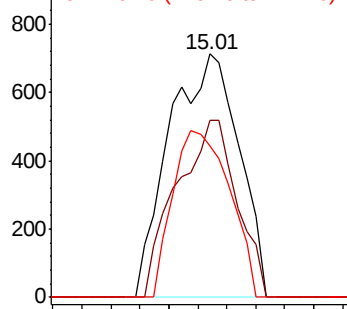
225 100

223 63.2 31.4 94.2

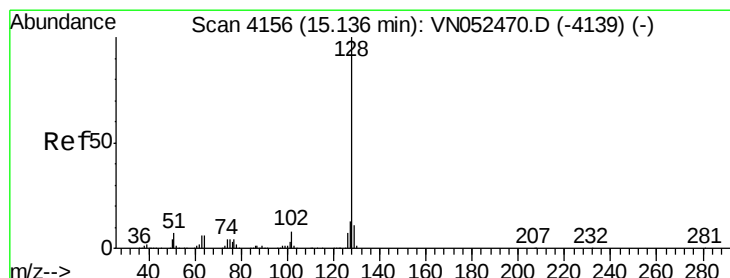
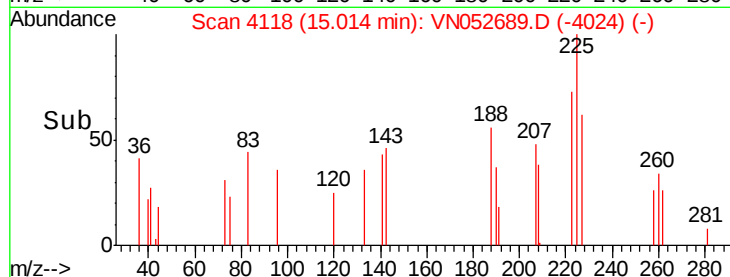
227 55.9 32.5 97.4



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 3.839 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052689.D

Acq: 6 Dec 2018 10:02

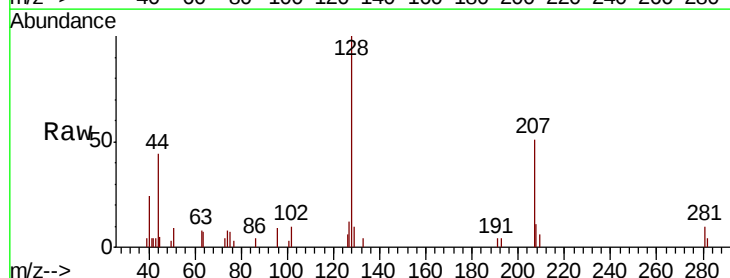
Tgt Ion:128 Resp: 8017

Ion Ratio Lower Upper

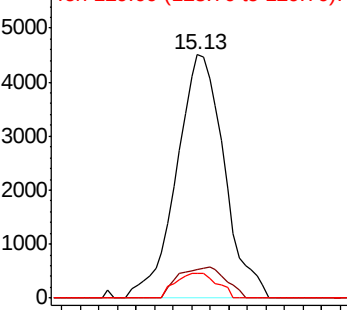
128 100

127 12.7 10.2 15.2

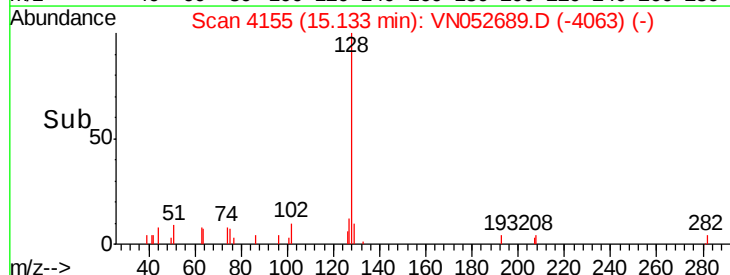
129 8.9 8.7 13.1

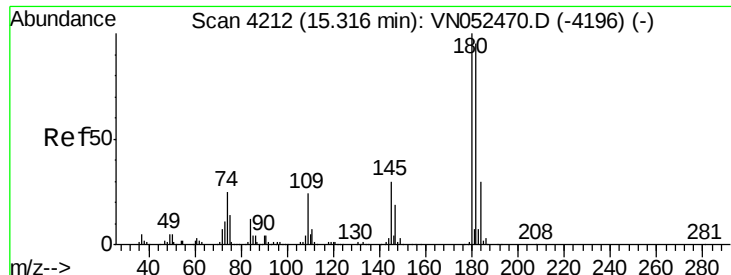


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->

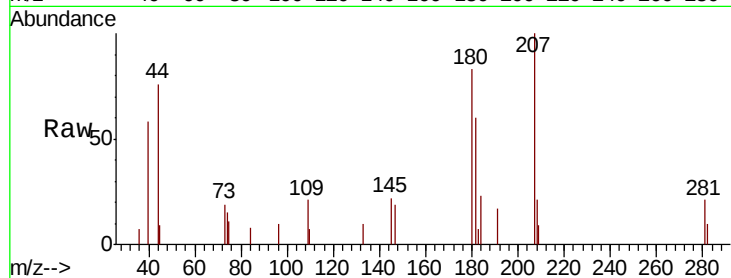




#96
 1,2,3-Trichlorobenzene
 Concen: 3.180 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VN052689.D
 Acq: 6 Dec 2018 10:02

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.8	143.3
145	26.3	15.2	45.5



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

