

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121018\
 Data File : VN052788.D
 Acq On : 11 Dec 2018 8:04
 Operator : MD\SY
 Sample : J6316-24
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 11 10:43:11 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	1170908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1812187	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1639927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	684901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	614708	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	7.59	113	534065	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	10.09	98	2222474	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.40	95	744165	50.92	ug/l	0.00
Spiked Amount			Recovery	=	101.84%	

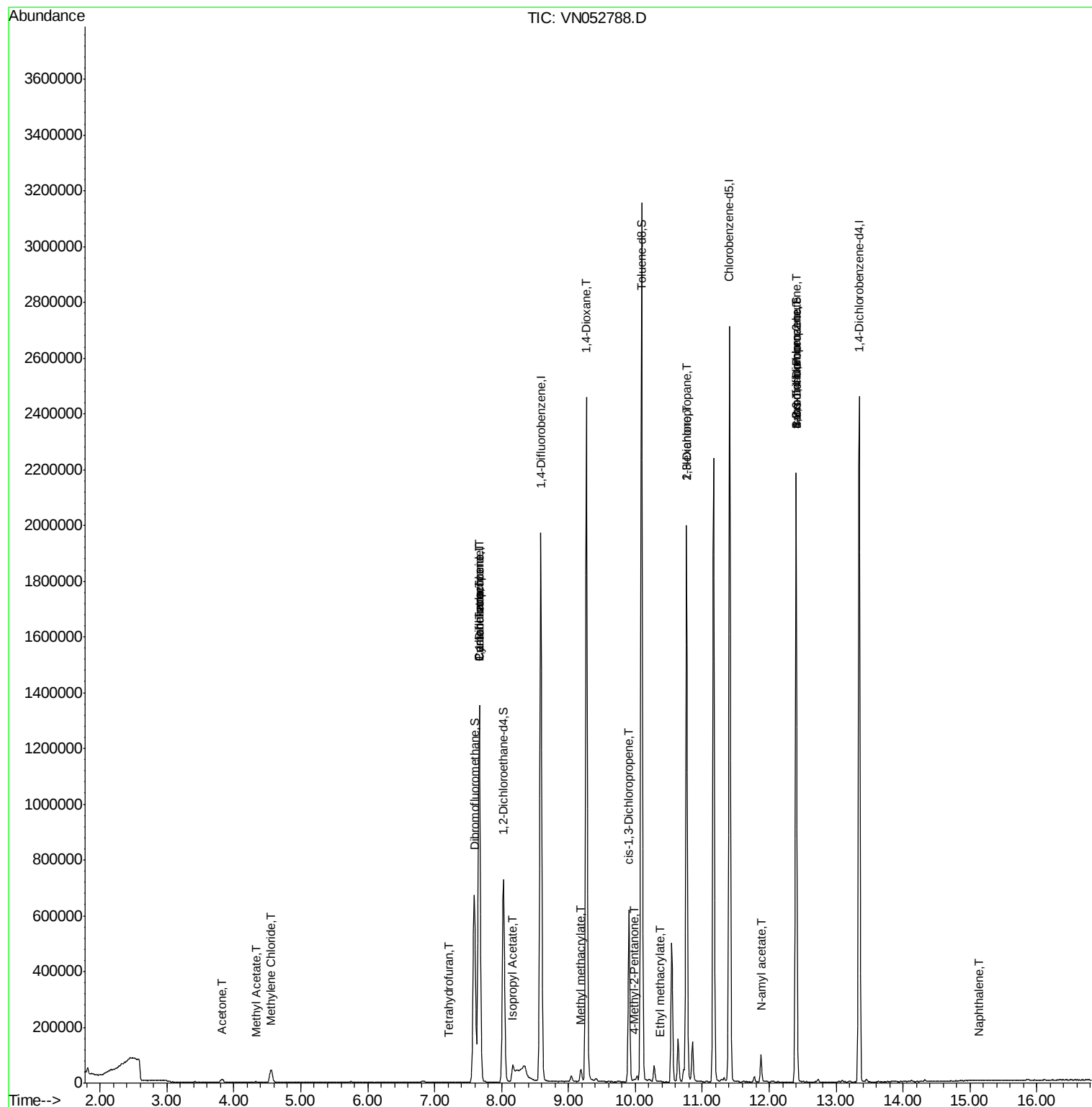
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	22504	6.692	ug/l	98
18) Methyl Acetate	4.33	43	5705	0.591	ug/l #	76
20) Methylene Chloride	4.56	84	34773	2.643	ug/l	99
29) Tetrahydrofuran	7.21	42	1078	0.351	ug/l #	69
31) Cyclohexane	7.66	56	20530	0.574	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79338	4.636	ug/l #	50
38) Carbon Tetrachloride	7.66	117	103067	6.653	ug/l #	16
43) Isopropyl Acetate	8.17	43	77293	4.373	ug/l #	73
48) Methyl methacrylate	9.18	41	15681	1.702	ug/l #	13
49) 1,4-Dioxane	9.27	88	318	3.325	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	6693	0.675	ug/l	98
54) cis-1,3-Dichloropropene	9.91	75	115550	6.142	ug/l #	63
56) Ethyl methacrylate	10.37	69	206	2.706	ug/l #	25
57) 1,3-Dichloropropane	10.76	76	20734	1.102	ug/l #	43
59) 2-Hexanone	10.76	43	288175	43.299	ug/l #	52
71) Bromoform	12.40	173	4571	0.587	ug/l #	1
74) N-amyl acetate	11.88	43	30135	2.220	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	350897	33.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	350897	110.952	ug/l #	11
95) Naphthalene	15.14	128	632	3.451	ug/l #	69

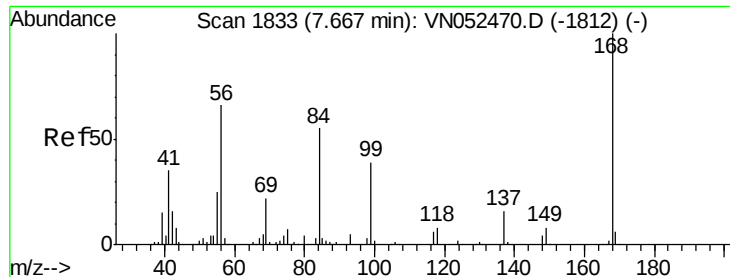
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121018\
Data File : VN052788.D
Acq On : 11 Dec 2018 8:04
Operator : MD\SY
Sample : J6316-24
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 52 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 11 10:43:11 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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

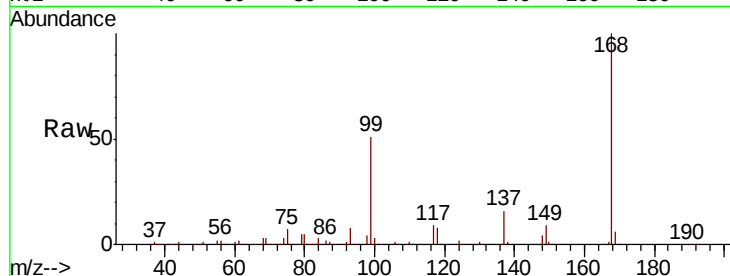
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1170908

Ion Ratio Lower Upper

168 100

99 50.9 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

500000

400000

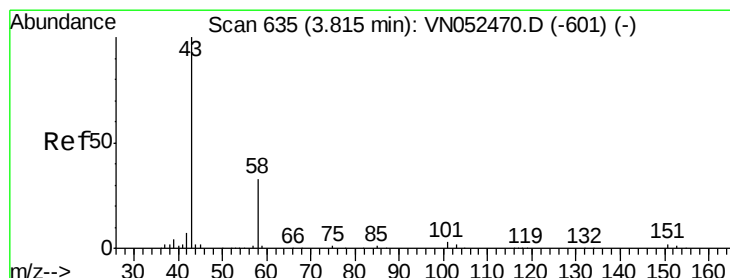
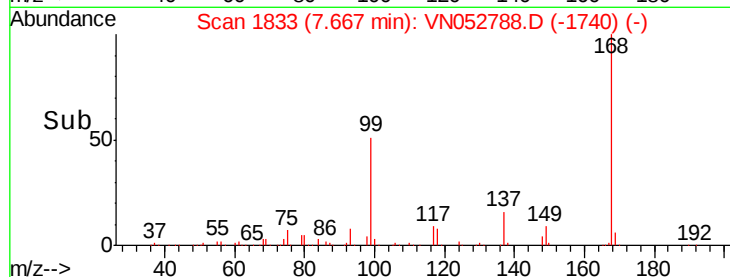
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 6.692 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052788.D

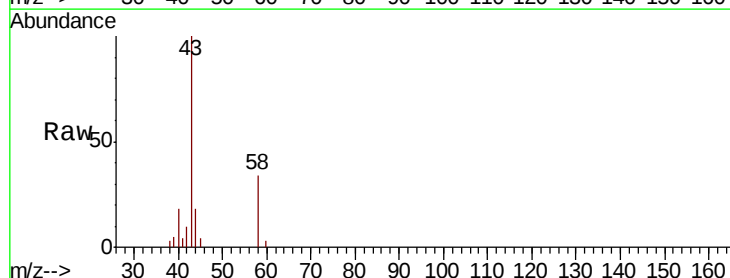
Acq: 11 Dec 2018 8:04

Tgt Ion: 43 Resp: 22504

Ion Ratio Lower Upper

43 100

58 33.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.82

8000

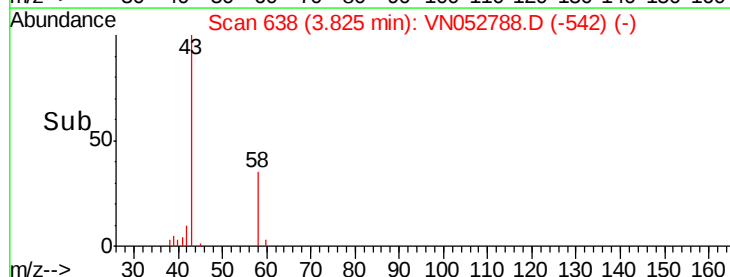
6000

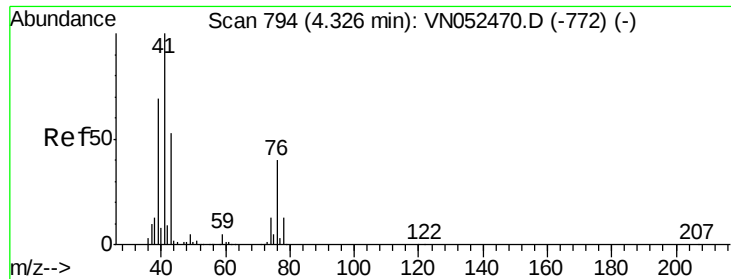
4000

2000

0

Time-->

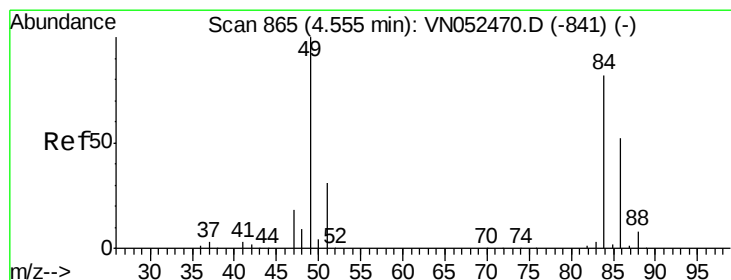
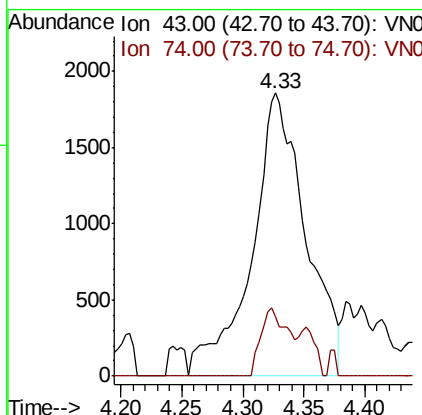
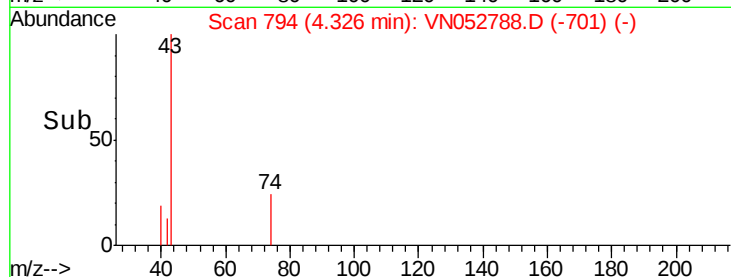
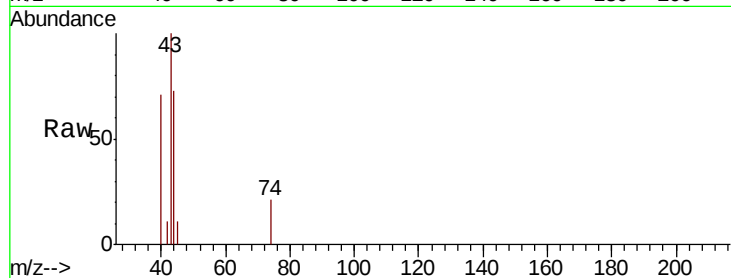




#18
Methvl Acetate
Concen: 0.591 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

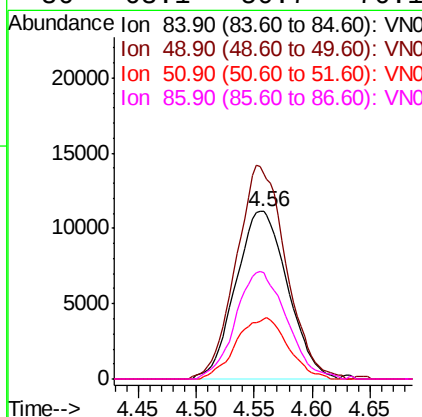
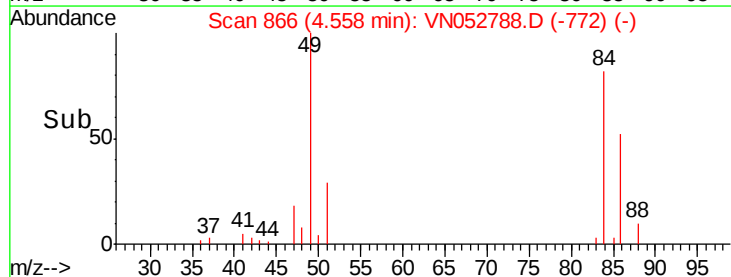
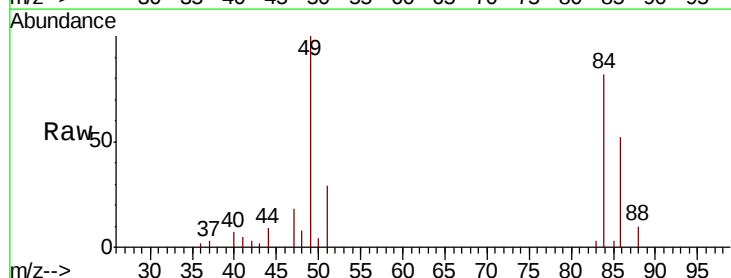
Instrument :
MSVOA_N
ClientSampleId :

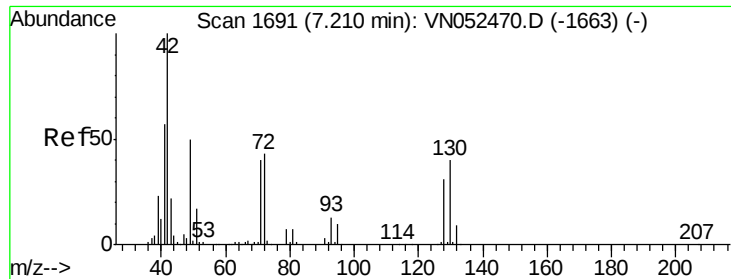
Tot Ion: 43 Resp: 5705
Ion Ratio Lower Upper
43 100
74 11.7 18.6 27.8#



#20
Methylene Chloride
Concen: 2.643 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 84 Resp: 34773
Ion Ratio Lower Upper
84 100
49 122.1 98.0 147.0
51 35.7 30.1 45.1
86 63.1 50.7 76.1

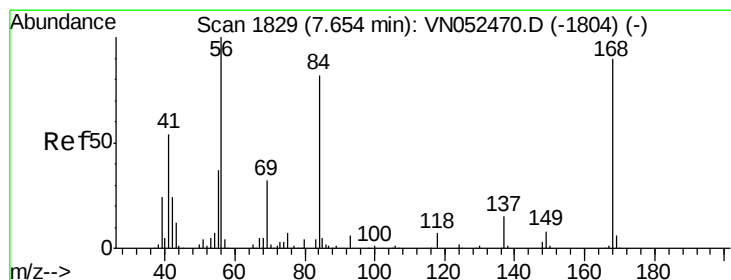
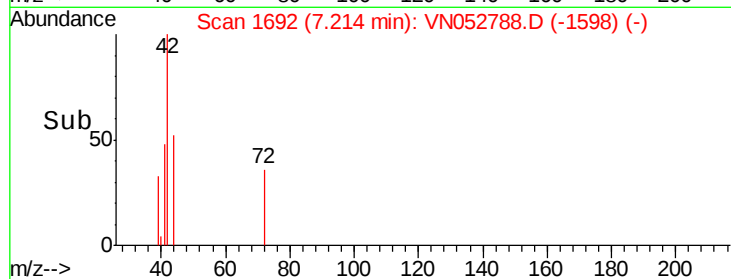
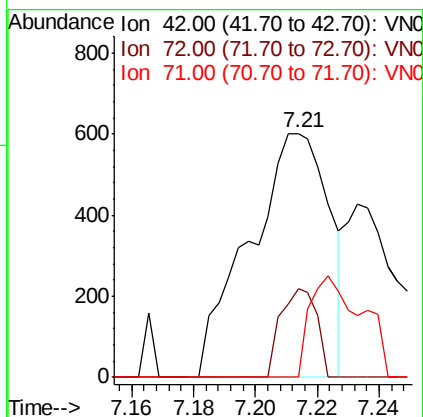
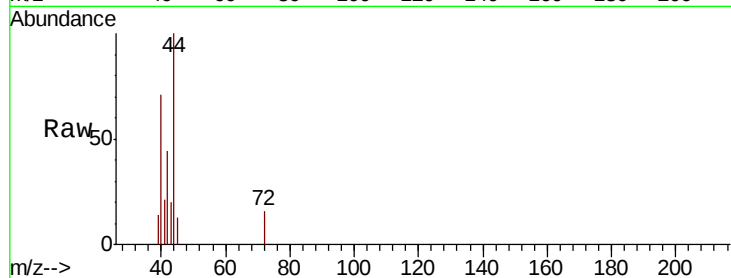




#29
Tetrahydrofuran
Concen: 0.351 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

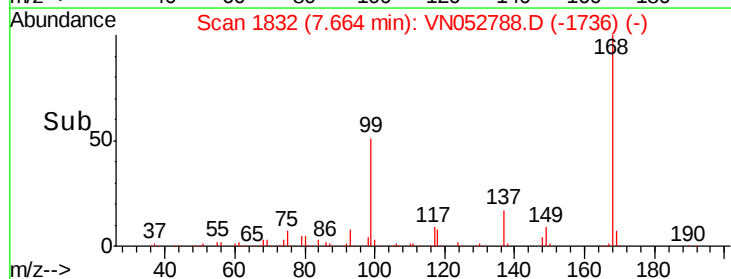
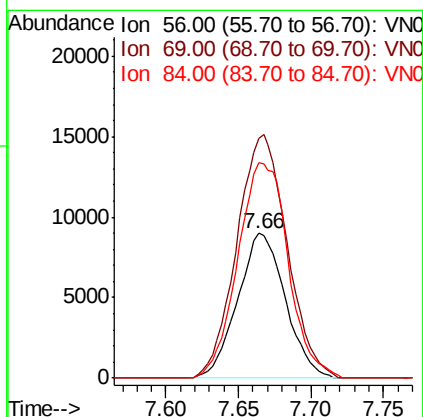
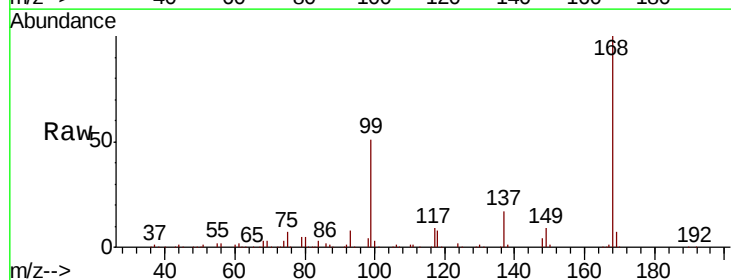
Instrument :
MSVOA_N
ClientSampled :

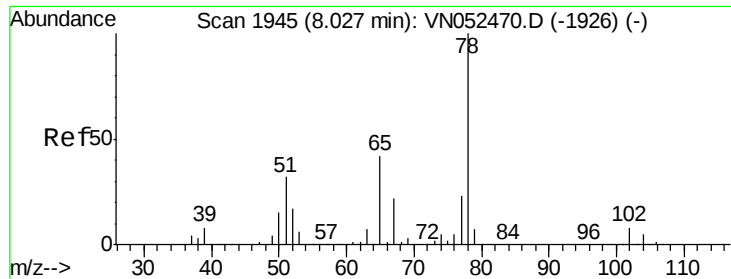
Tot Ion: 42 Resp: 1078
Ion Ratio Lower Upper
42 100
72 16.3 33.3 49.9#
71 26.6 32.0 48.0#



#31
Cyclohexane
Concen: 0.574 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 56 Resp: 20530
Ion Ratio Lower Upper
56 100
69 165.3 25.8 38.6#
84 148.3 65.3 97.9#

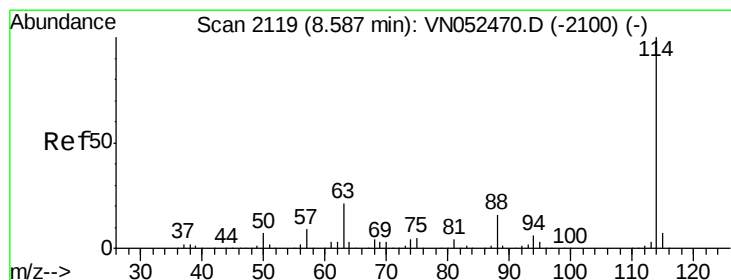
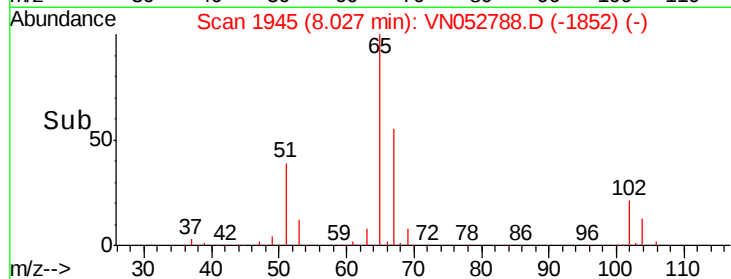
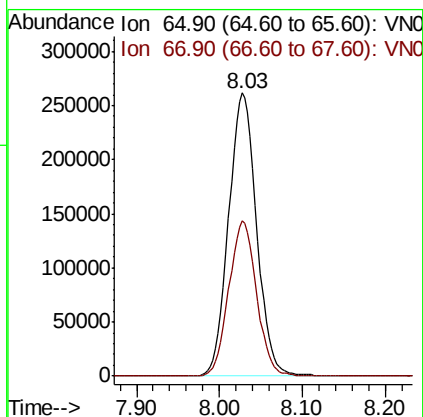
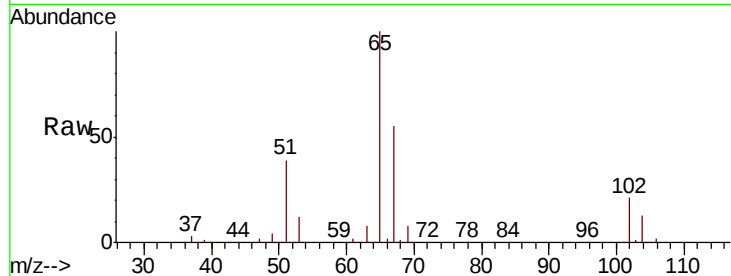




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052788.D
 Acq: 11 Dec 2018 8:04

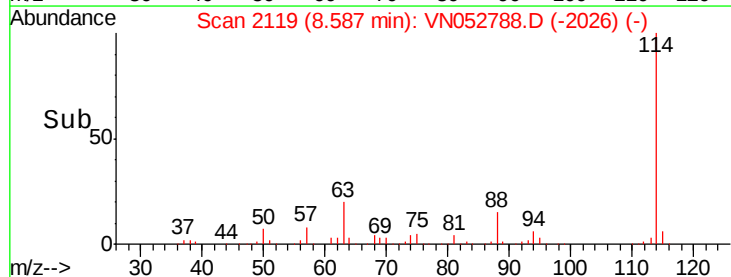
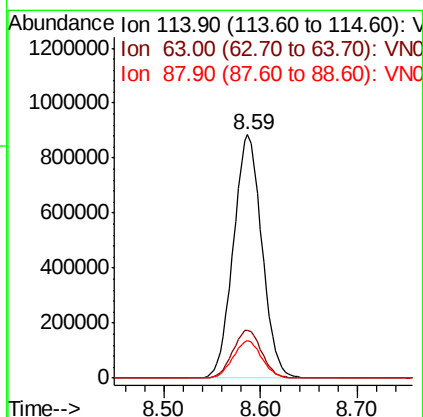
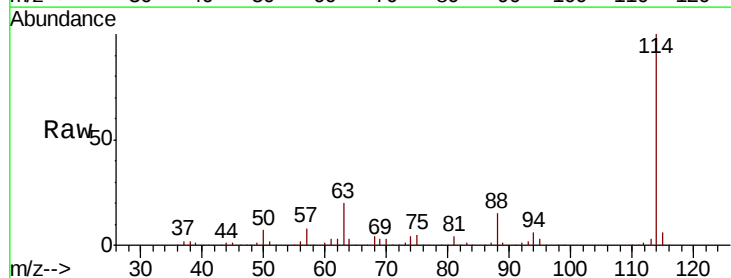
Instrument :
 MSVOA_N
 ClientSampleId :

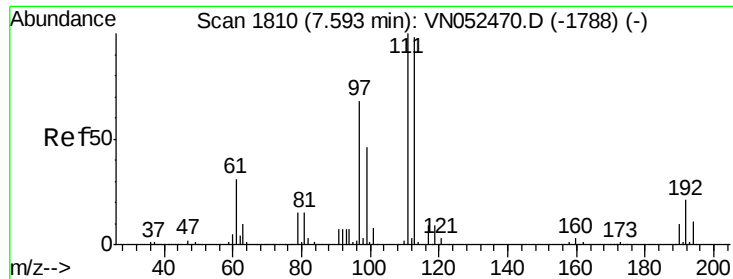
Tot Ion: 65 Resp: 614708
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052788.D
 Acq: 11 Dec 2018 8:04

Tgt Ion: 114 Resp: 1812187
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 41.8
 88 15.4 0.0 31.6

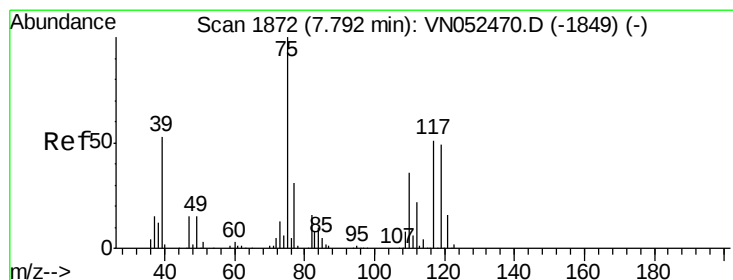
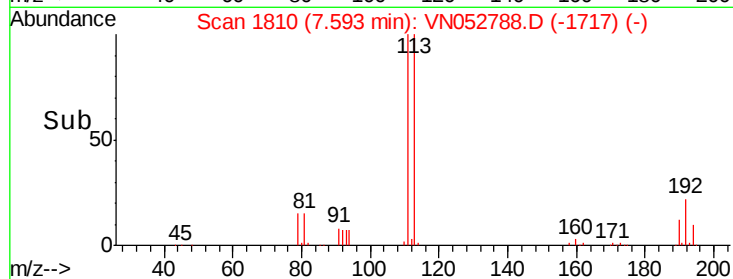
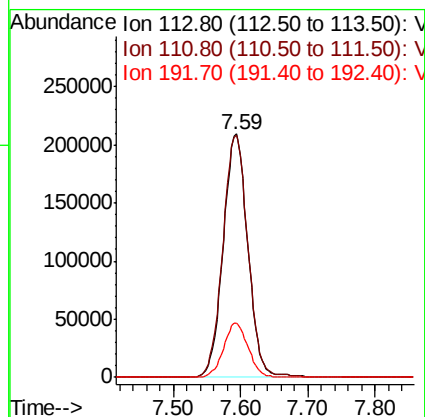
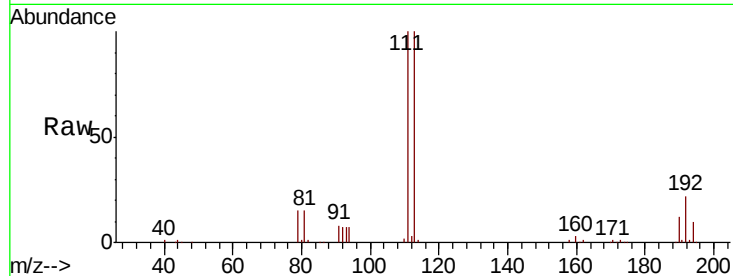




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

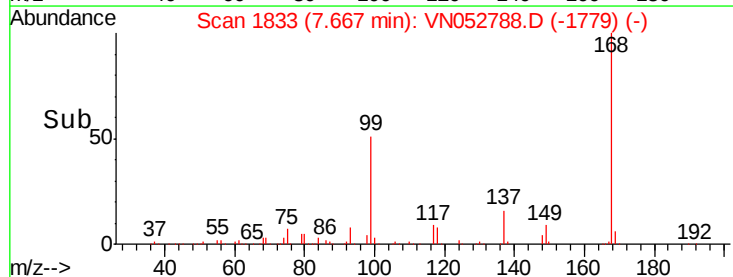
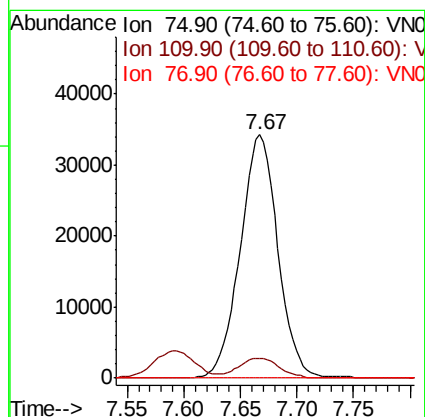
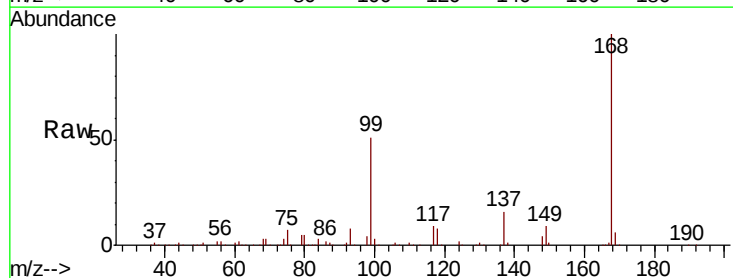
Instrument :
MSVOA_N
ClientSampled :

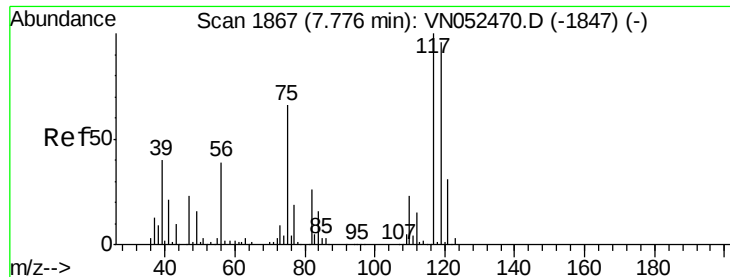
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.0	123.0
192	22.1	17.0	25.6



#36
1,1-Dichloropropene
Concen: 4.636 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.5	52.6#
77	0.0	24.5	36.7#





#38

Carbon Tetrachloride

Concen: 6.653 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

ClientSampleId :

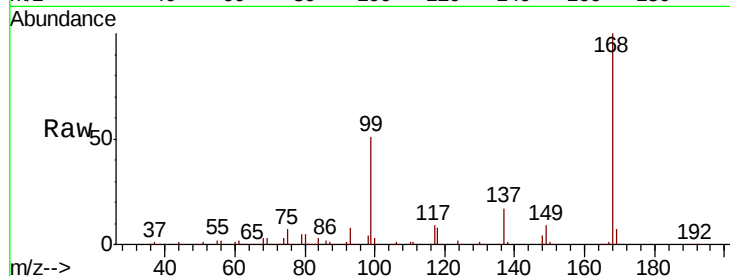
Tot Ion:117 Resp: 103067

Ion Ratio Lower Upper

117 100

119 5.1 76.8 115.2#

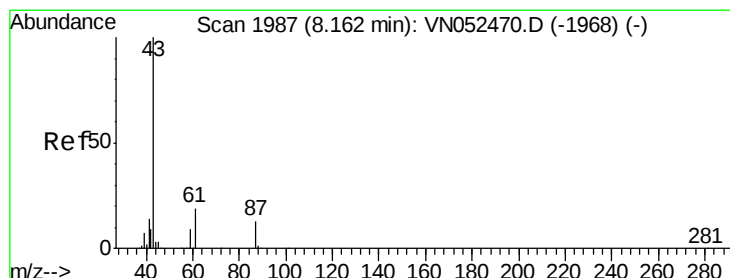
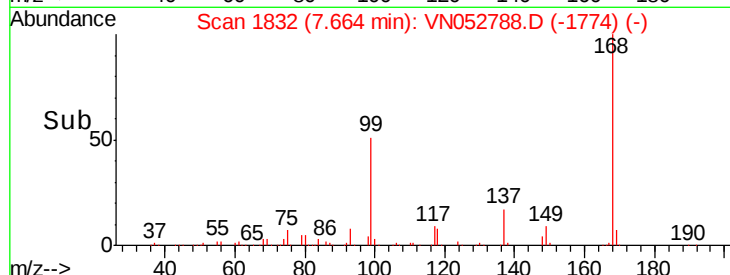
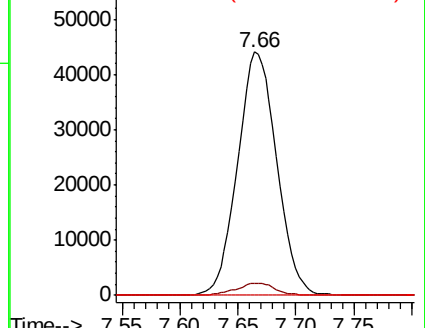
121 0.0 24.9 37.3#



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: 4.373 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

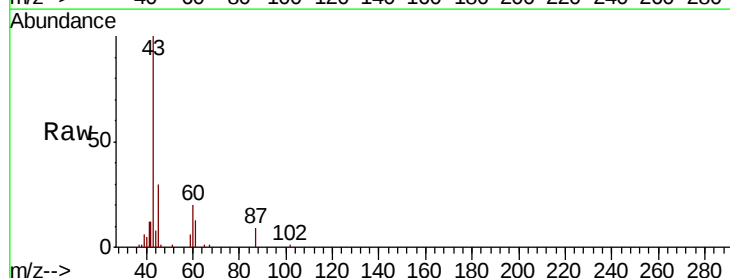
Tgt Ion: 43 Resp: 77293

Ion Ratio Lower Upper

43 100

61 12.1 24.1 36.1#

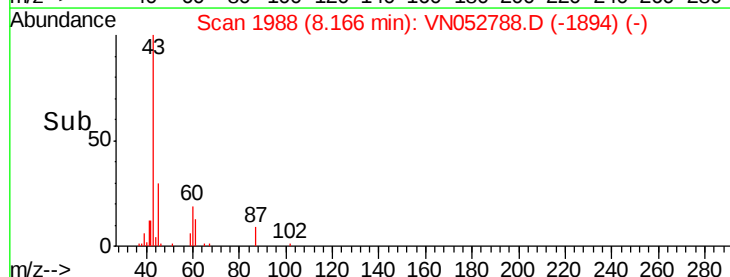
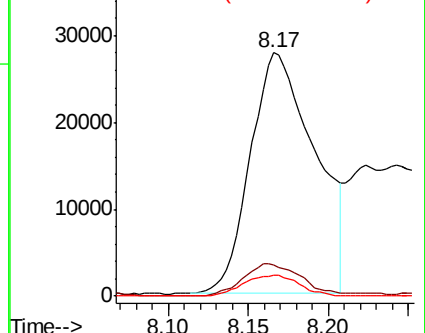
87 7.5 10.6 15.8#

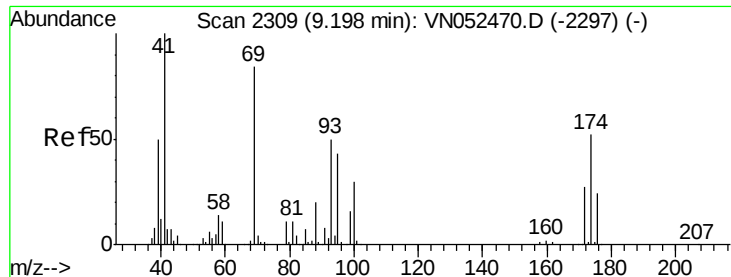


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

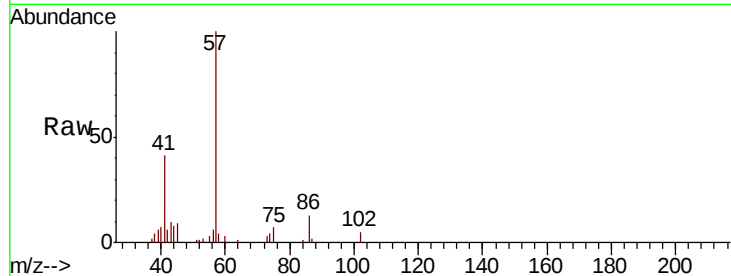




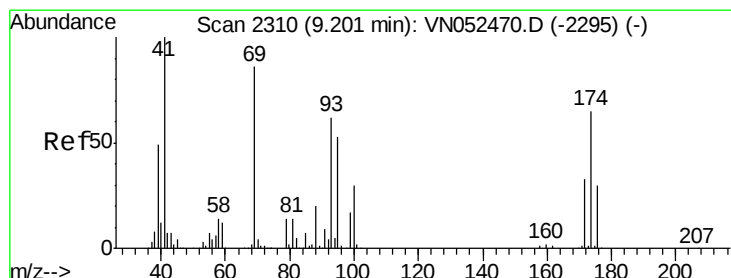
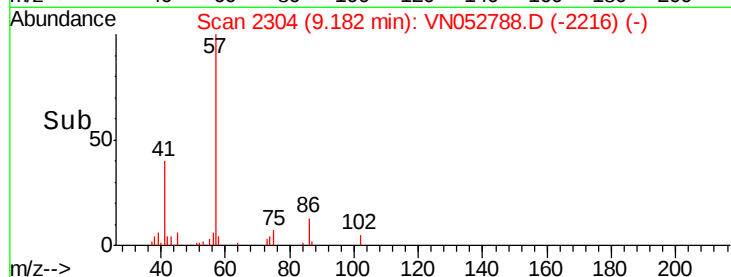
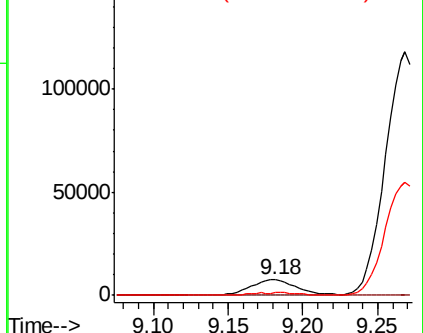
#48
Methyl methacrylate
Concen: 1.702 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 15681
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#

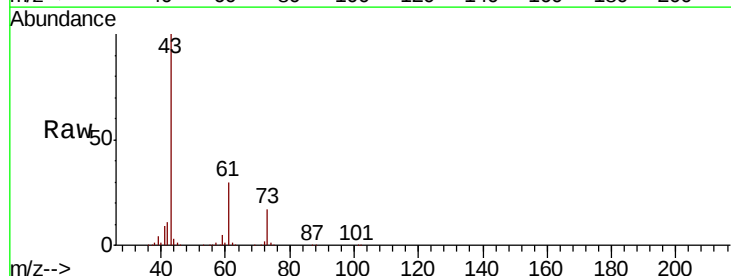


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

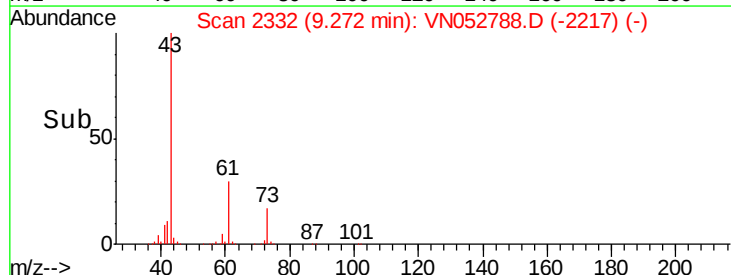
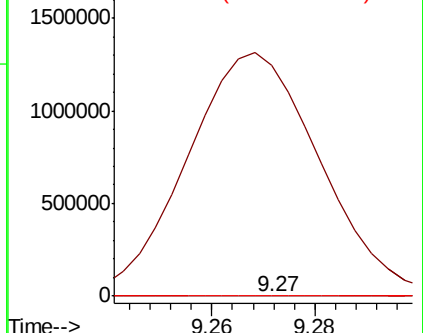


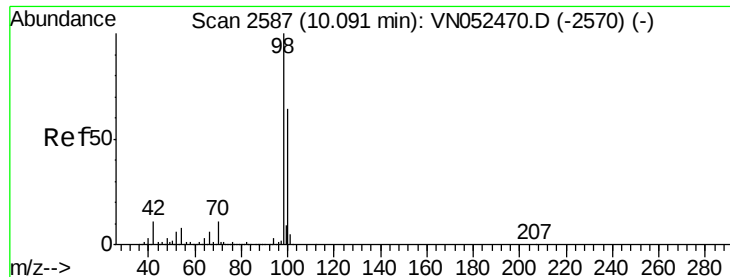
#49
1,4-Dioxane
Concen: 3.325 ug/l
RT: 9.27 min Scan# 2332
Delta R.T. 0.07 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
43 753010.1 26.4 39.6#
58 3312.9 55.4 83.0#



Abundance Ion 88.00 (87.70 to 88.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 3.325 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

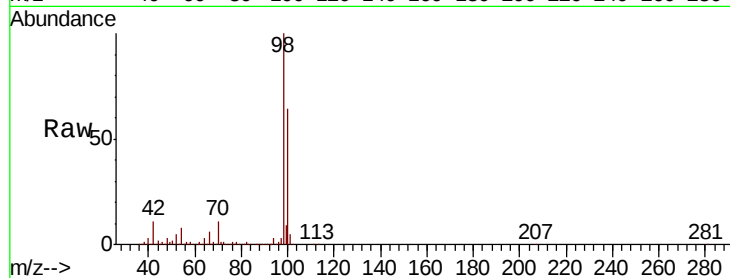
ClientSampled :

Tot Ion: 98 Resp: 2222474

Ion Ratio Lower Upper

98 100

100 63.9 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

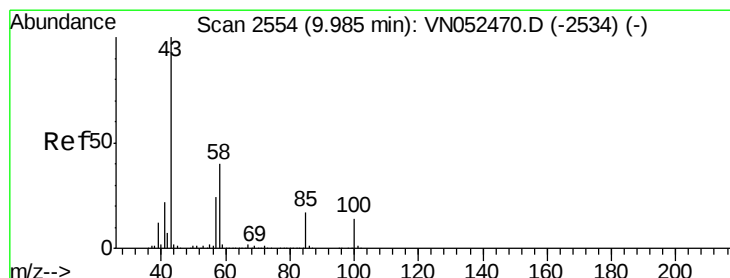
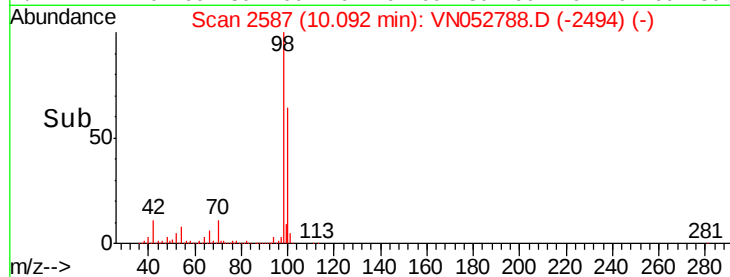
10.09

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.675 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052788.D

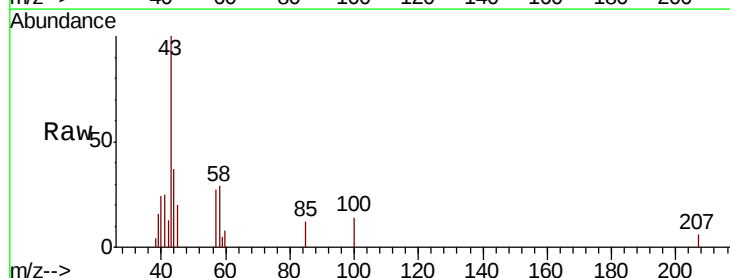
Acq: 11 Dec 2018 8:04

Tgt Ion: 43 Resp: 6693

Ion Ratio Lower Upper

43 100

58 38.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

12000

10000

8000

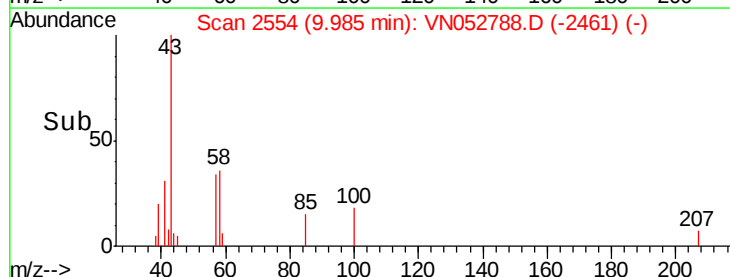
6000

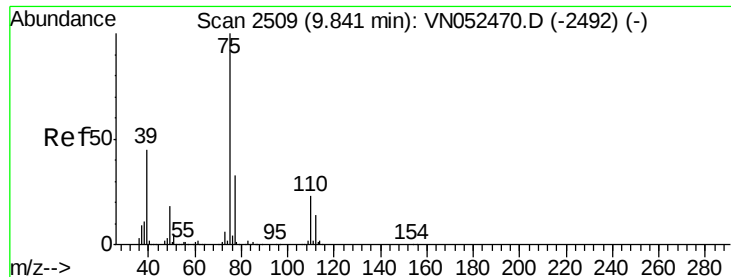
4000

2000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.142 ug/l

RT: 9.91 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

ClientSampleId :

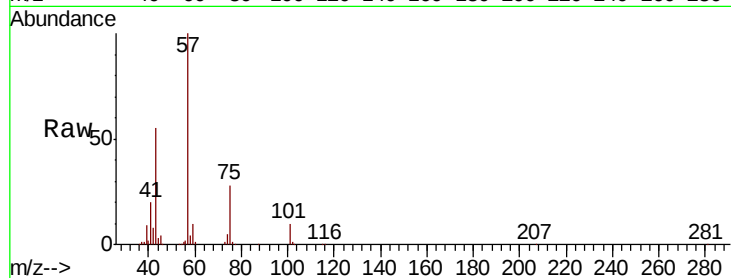
Tot Ion: 75 Resp: 115550

Ion Ratio Lower Upper

75 100

77 0.4 26.2 39.2#

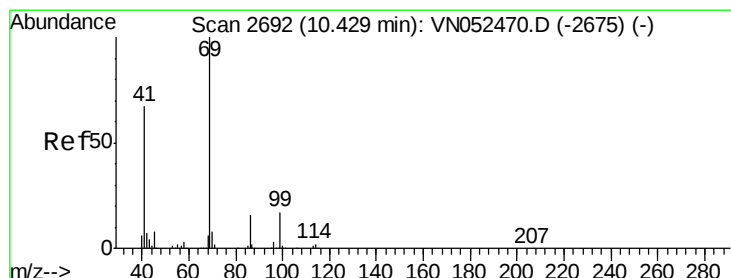
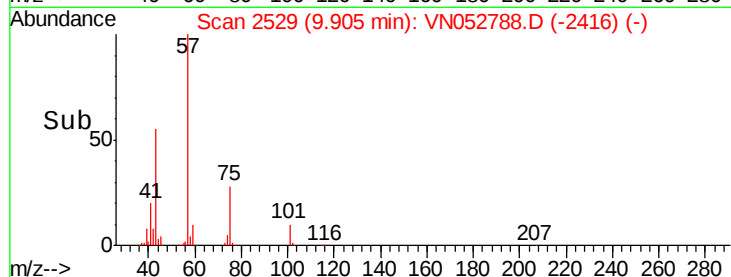
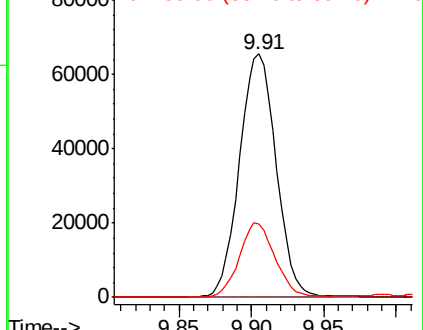
39 30.1 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 76.90 (76.60 to 77.60): VNC

Ion 39.00 (38.70 to 39.70): VNC



#56

Ethyl methacrylate

Concen: 2.706 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.06 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

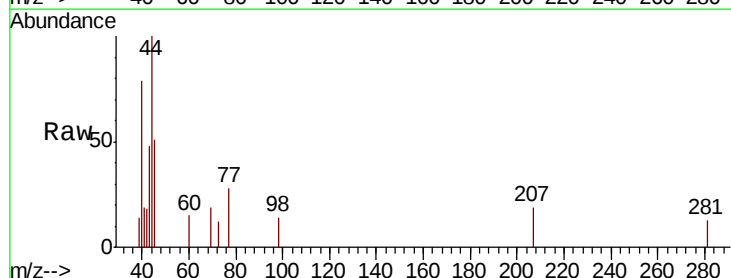
Tgt Ion: 69 Resp: 206

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

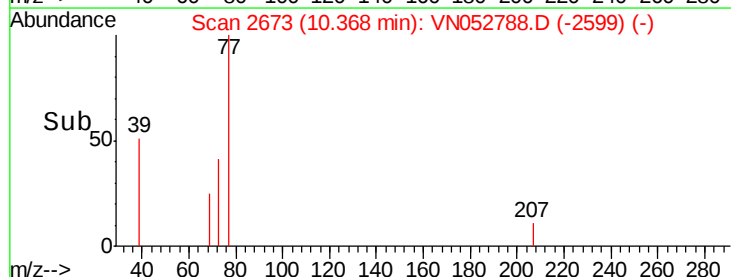
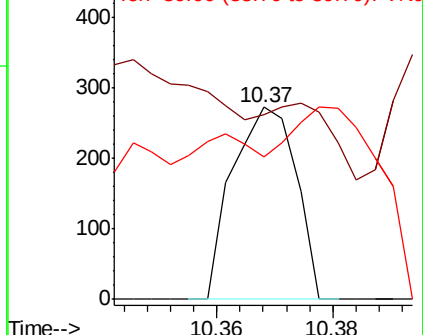
39 0.0 25.9 38.9#

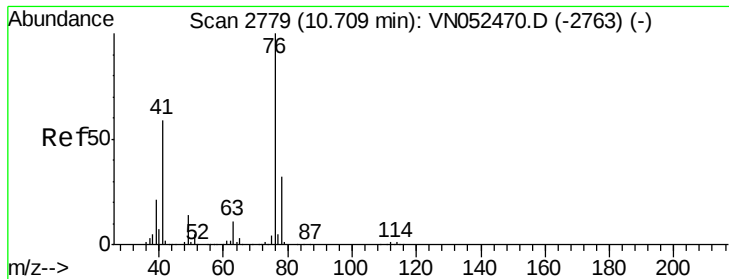


Abundance Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#57

1,3-Dichloropropane

Concen: 1.102 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

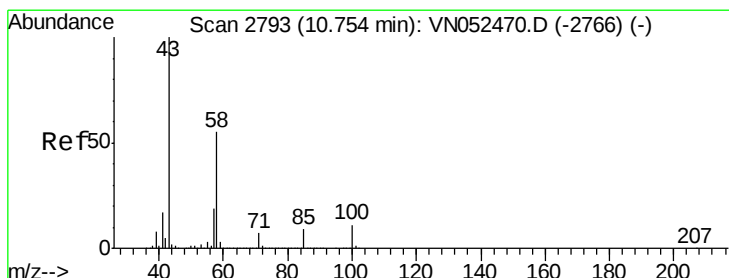
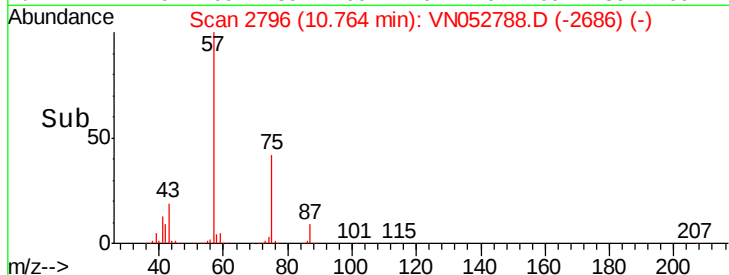
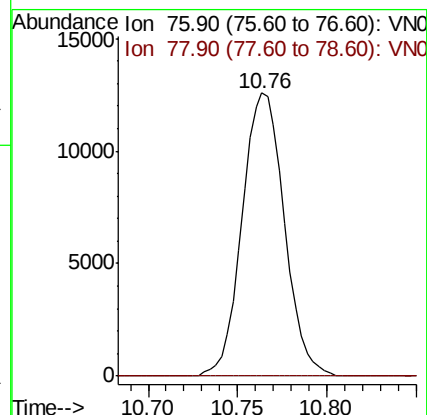
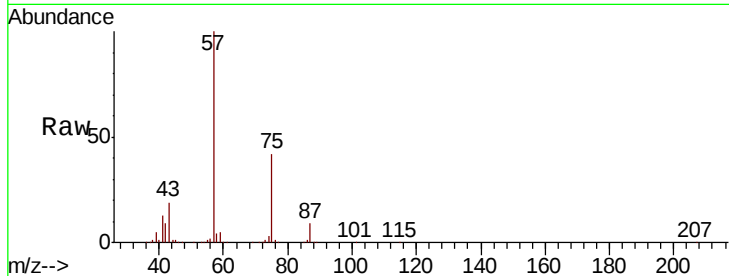
ClientSampled :

Tot Ion: 76 Resp: 20734

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 43.299 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052788.D

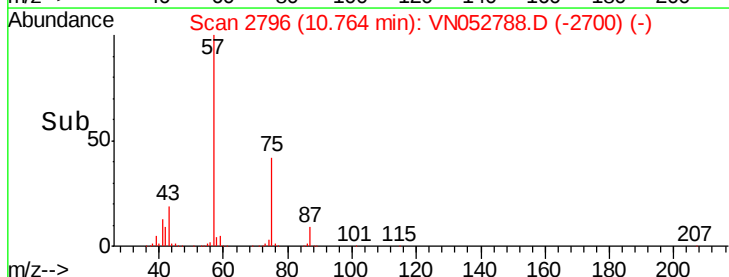
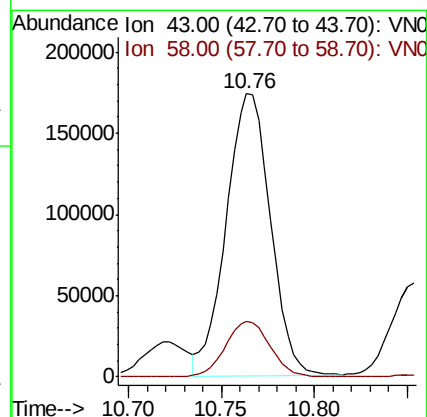
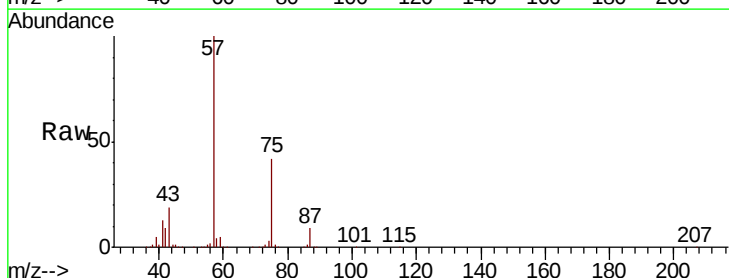
Acq: 11 Dec 2018 8:04

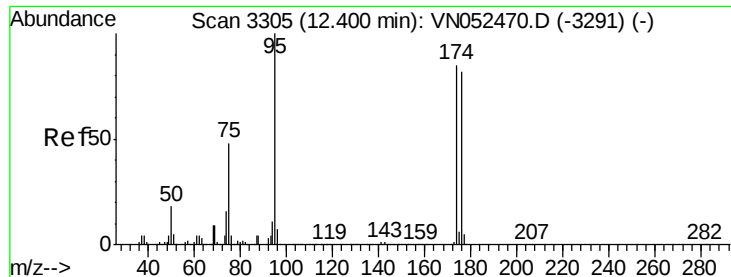
Tgt Ion: 43 Resp: 288175

Ion Ratio Lower Upper

43 100

58 20.0 27.4 82.0#

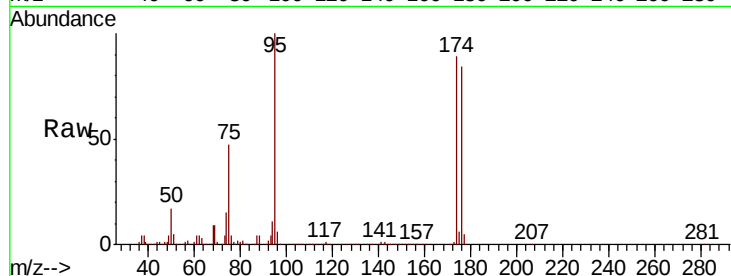




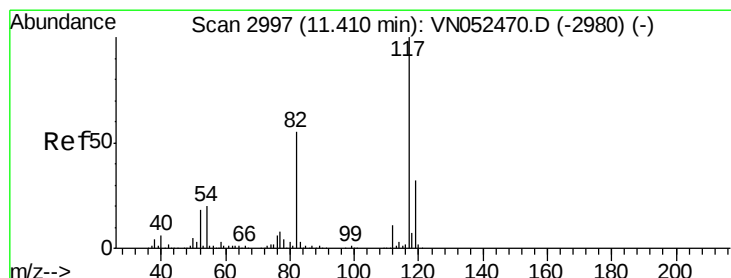
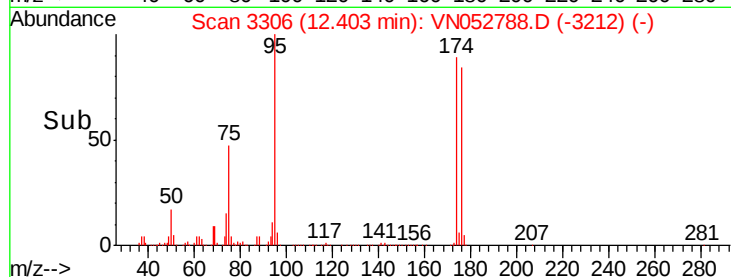
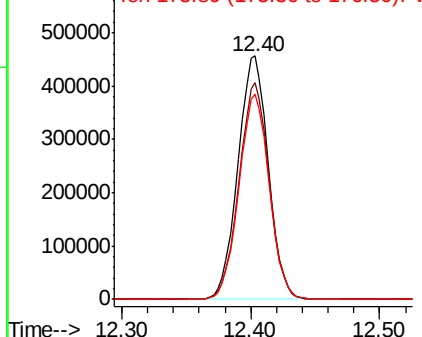
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 95 Resp: 744165
Ion Ratio Lower Upper
95 100
174 88.2 0.0 173.0
176 84.4 0.0 166.2

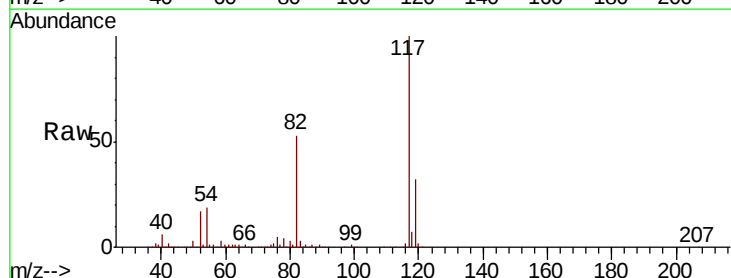


Abundance Ion 94.90 (94.60 to 95.60): VN052470.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN052470.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN052470.D (-3291) (-)

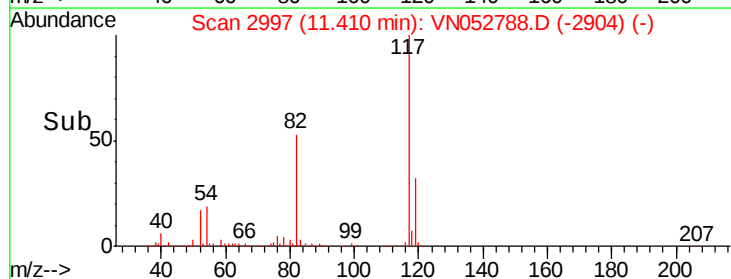
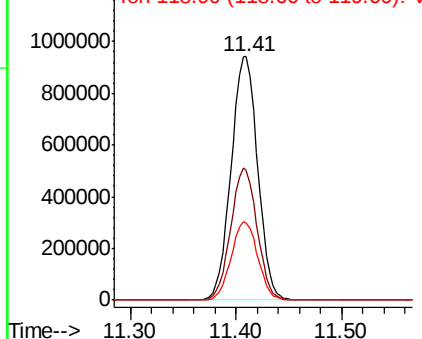


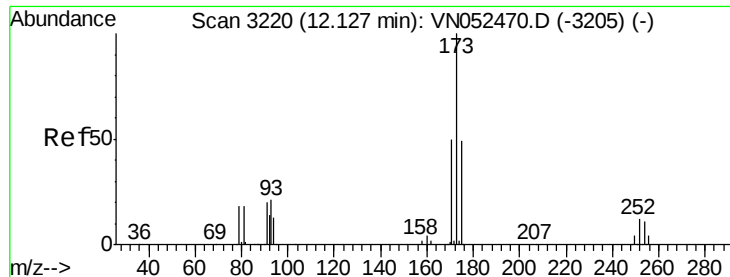
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 117 Resp: 1639927
Ion Ratio Lower Upper
117 100
82 53.1 43.6 65.4
119 32.0 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN052470.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN052470.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN052470.D (-2980) (-)





#71

Bromoform

Concen: 0.587 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

ClientSampleId :

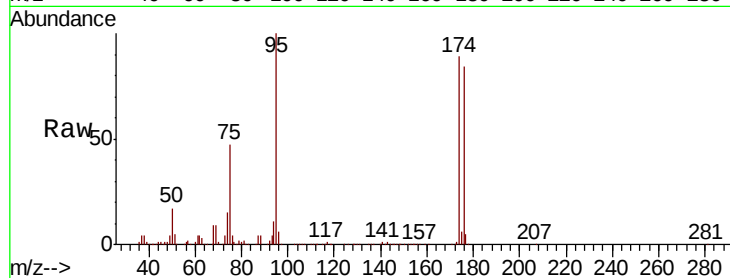
Tot Ion:173 Resp: 4571

Ion Ratio Lower Upper

173 100

175 893.4 24.4 73.2#

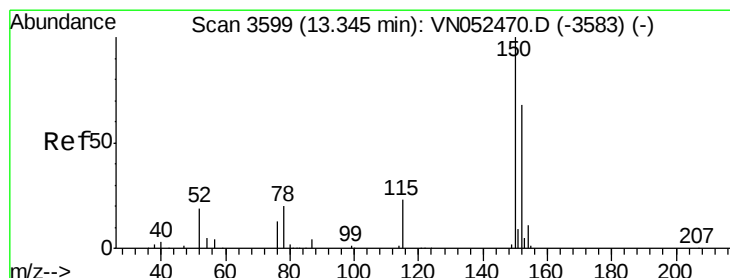
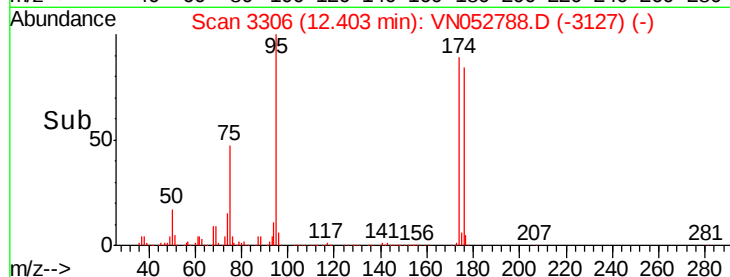
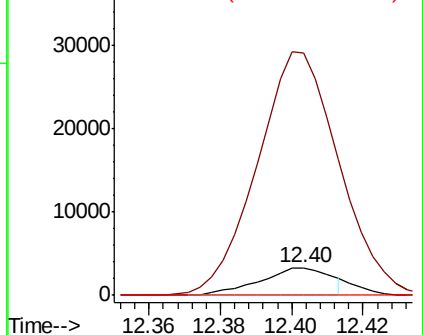
254 0.0 0.1 0.1#



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: VN052788.D

Acq: 11 Dec 2018 8:04

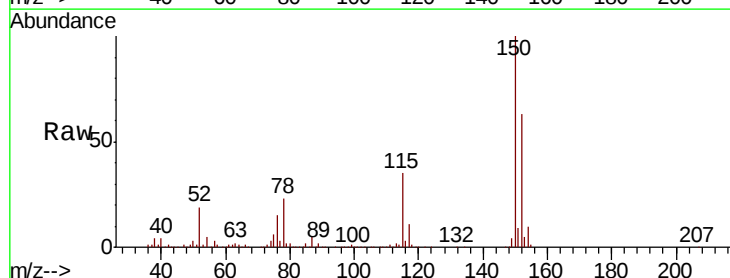
Tgt Ion:152 Resp: 684901

Ion Ratio Lower Upper

152 100

115 56.9 28.4 85.2

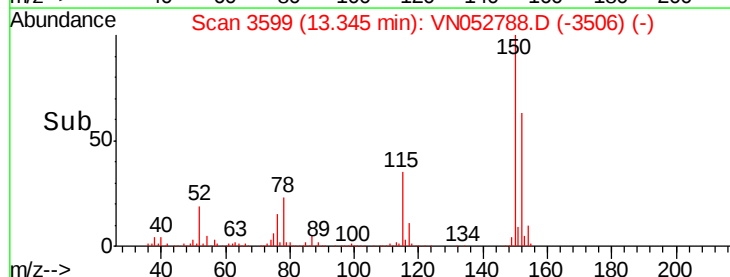
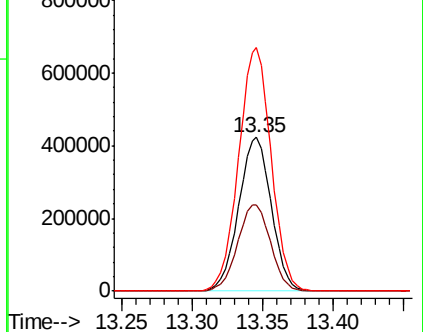
150 158.0 0.0 346.0

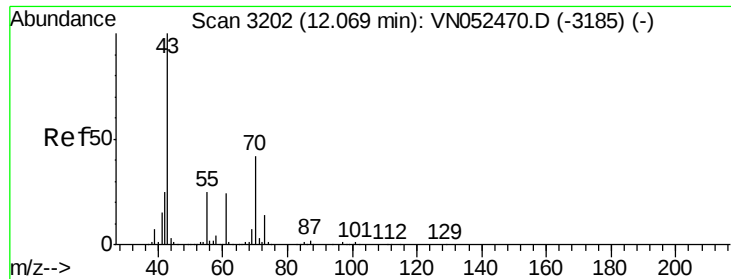


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.220 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052788.D

Acq: 11 Dec 2018 8:04

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 30135

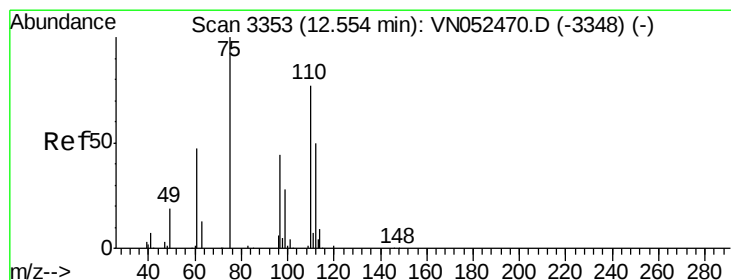
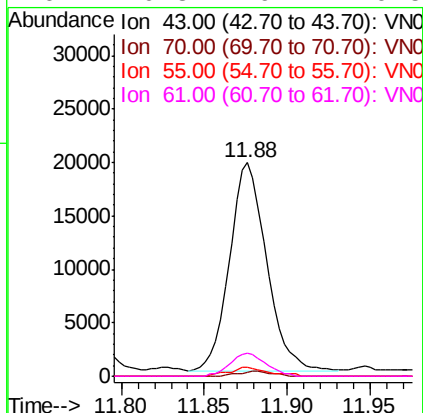
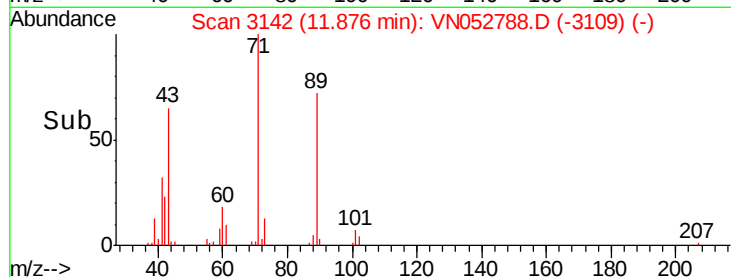
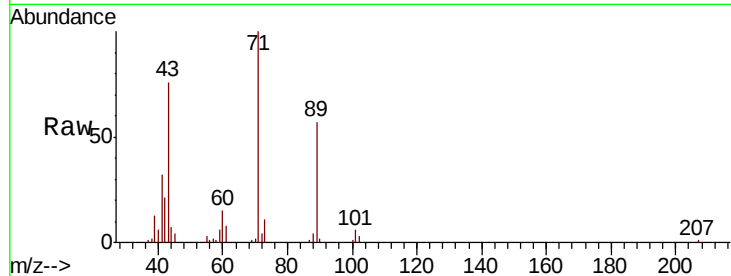
Ion Ratio Lower Upper

43 100

70 2.2 33.8 50.8#

55 4.1 20.0 30.0#

61 10.8 19.7 29.5#



#76

1,2,3-Trichloropropane

Concen: 33.224 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052788.D

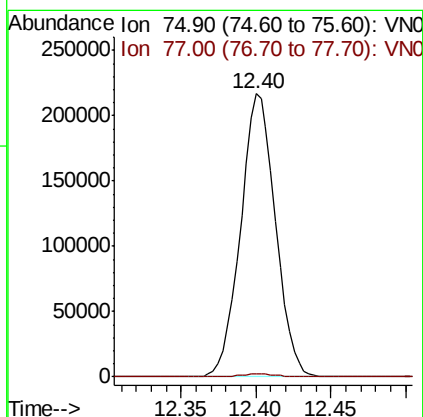
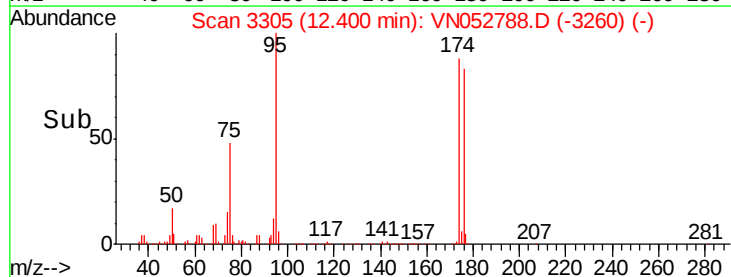
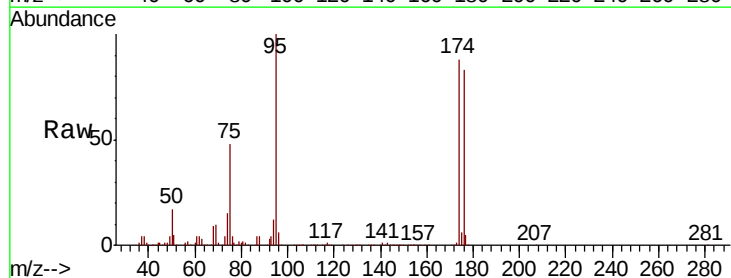
Acq: 11 Dec 2018 8:04

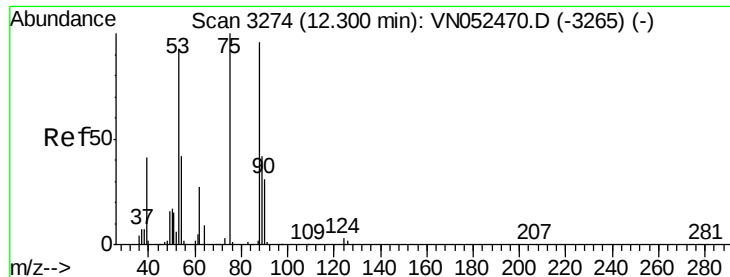
Tgt Ion: 75 Resp: 350897

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

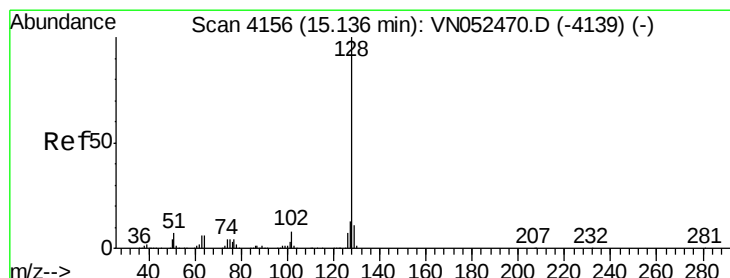
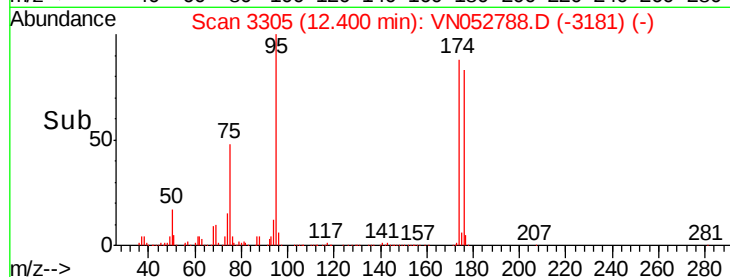
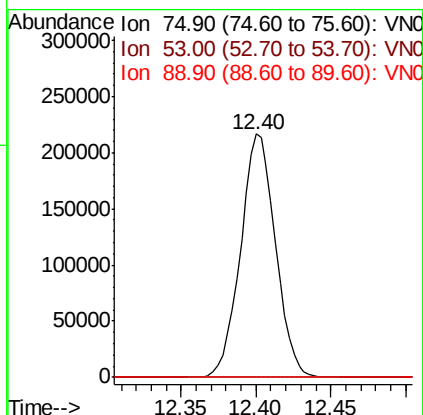
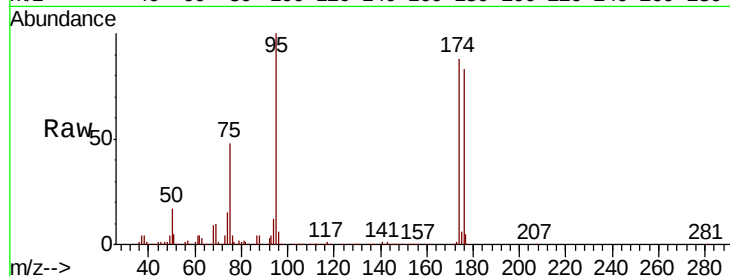




#81
trans-1,4-Dichloro-2-butene
Concen: 110.952 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 350897
Ion Ratio Lower Upper
75 100
53 0.0 77.4 116.0#
89 0.0 35.4 53.2#



#95
Naphthalene
Concen: 3.451 ug/l
RT: 15.14 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN052788.D
Acq: 11 Dec 2018 8:04

Tgt Ion: 128 Resp: 632
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.7 13.1#

