

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110618\
 Data File : VN052187.D
 Acq On : 6 Nov 2018 13:01
 Operator : MD\SY
 Sample : J5772-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

Quant Time: Nov 06 13:36:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 15:24:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	321648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	582763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	549703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209561	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	245045	64.25	ug/l	0.00
Spiked Amount			Recovery	=	128.50%	
35) Dibromofluoromethane	7.59	113	221237	61.14	ug/l	0.00
Spiked Amount			Recovery	=	122.28%	
50) Toluene-d8	10.09	98	854707	61.10	ug/l	0.00
Spiked Amount			Recovery	=	122.20%	
62) 4-Bromofluorobenzene	12.40	95	273434	59.55	ug/l	0.00
Spiked Amount			Recovery	=	119.10%	

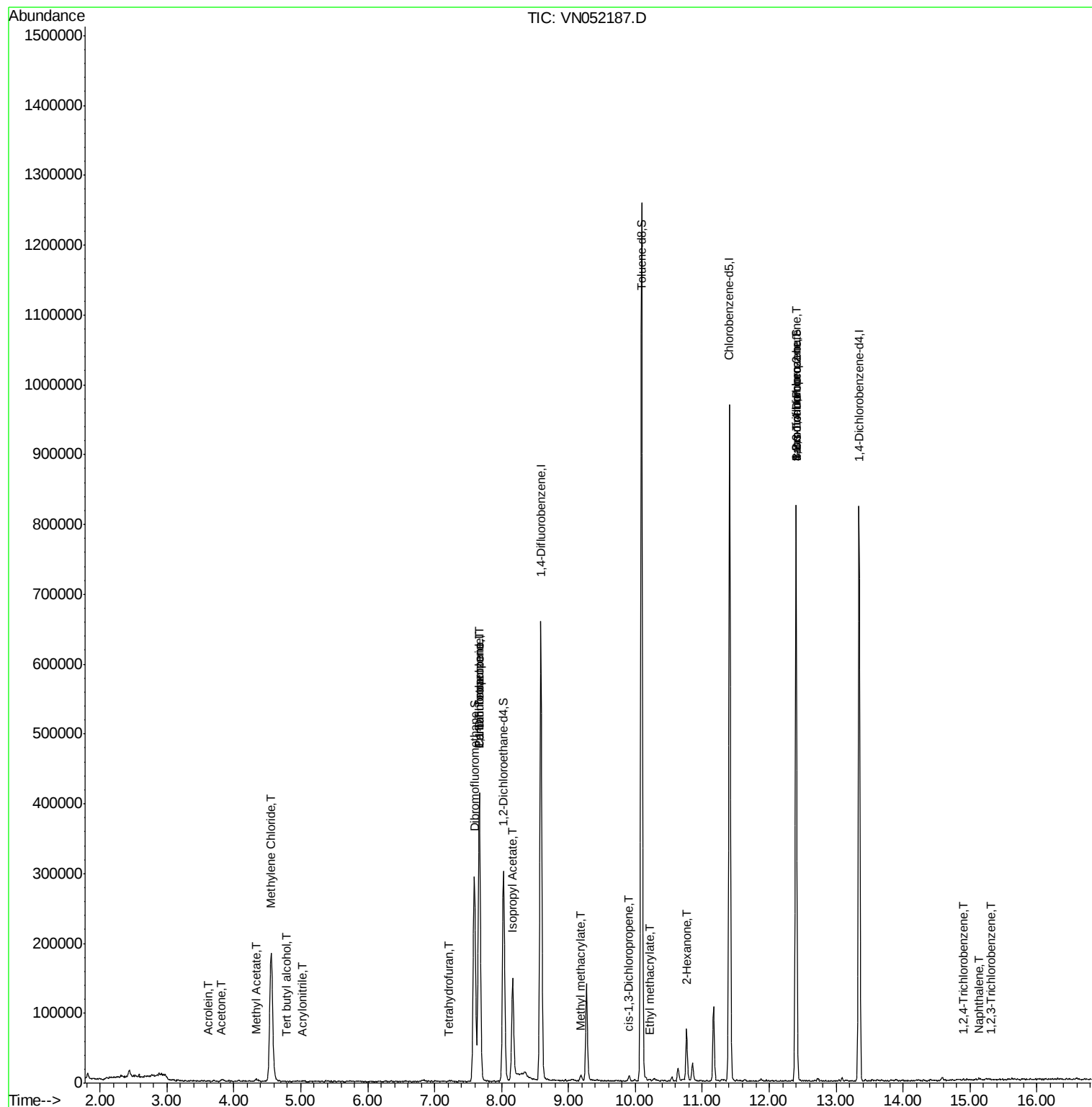
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	139	0.835	ug/l #	56
13) Acrolein	3.62	56	251	33.691	ug/l #	71
15) Acrylonitrile	5.02	53	232	0.212	ug/l #	31
16) Acetone	3.81	43	1906	2.206	ug/l	89
18) Methyl Acetate	4.33	43	3640	1.361	ug/l #	66
20) Methylene Chloride	4.56	84	135320	37.688	ug/l	93
29) Tetrahydrofuran	7.21	42	880	1.061	ug/l #	38
31) Cyclohexane	7.66	56	7982	Below Cal	#	25
36) 1,1-Dichloropropene	7.67	75	27093	5.255	ug/l #	47
38) Carbon Tetrachloride	7.67	117	31958	6.205	ug/l #	17
43) Isopropyl Acetate	8.17	43	178957	30.423	ug/l	99
48) Methyl methacrylate	9.18	41	4321	1.526	ug/l #	22
49) 1,4-Dioxane	9.33	88	30	Below Cal	#	18
54) cis-1,3-Dichloropropene	9.91	75	1227	0.215	ug/l #	77
56) Ethyl methacrylate	10.22	69	1170	0.279	ug/l #	89
59) 2-Hexanone	10.76	43	11544	5.336	ug/l #	60
71) Bromoform	12.40	173	4001	4.301	ug/l #	1
74) N-amyl acetate	12.07	43	193	Below Cal	#	35
76) 1,2,3-Trichloropropane	12.40	75	140296	50.651	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	140296	152.324	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.91	180	98	2.268	ug/l #	1
95) Naphthalene	15.13	128	1807	0.282	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.32	180	313	1.849	ug/l	92

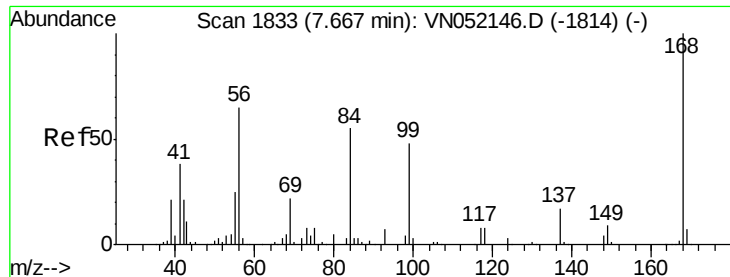
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J5772-02
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 15:24:48 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: VN052187.D

Acq: 6 Nov 2018 13:01

Instrument :

MSVOA_N

ClientSampled :

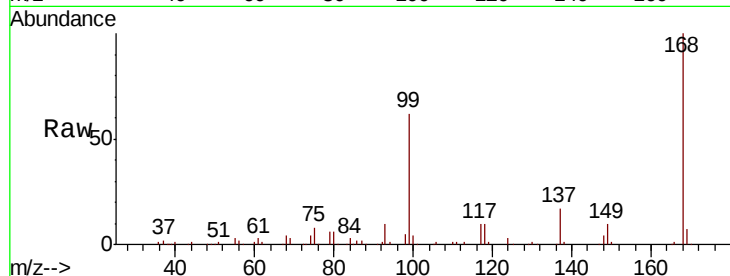
PL-05-110518

Tgt Ion:168 Resp: 321648

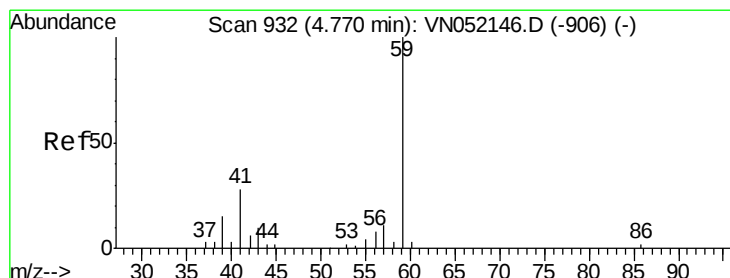
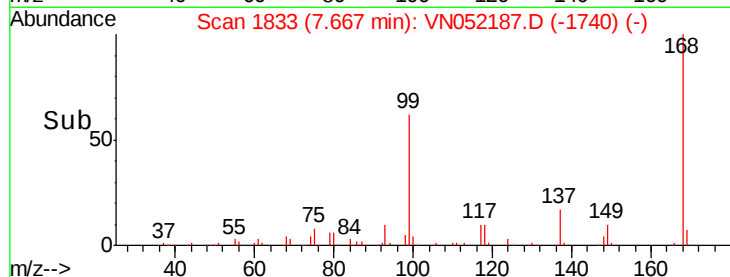
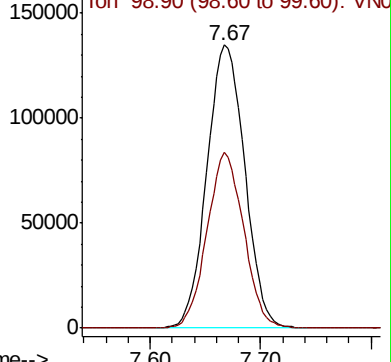
Ion Ratio Lower Upper

168 100

99 62.3 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): VN052187.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 0.835 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN052187.D

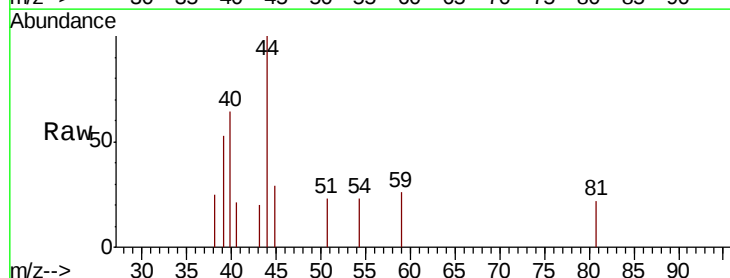
Acq: 6 Nov 2018 13:01

Tgt Ion: 59 Resp: 139

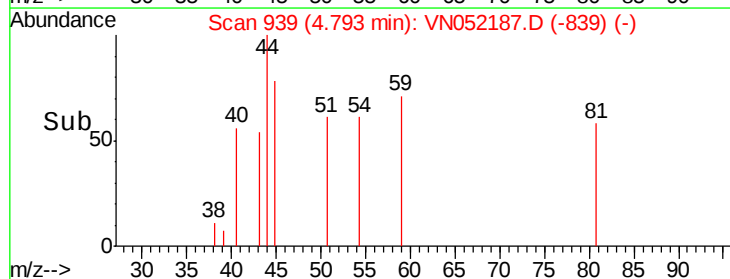
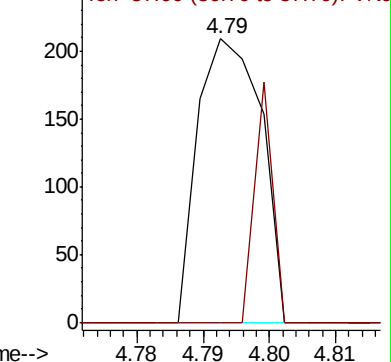
Ion Ratio Lower Upper

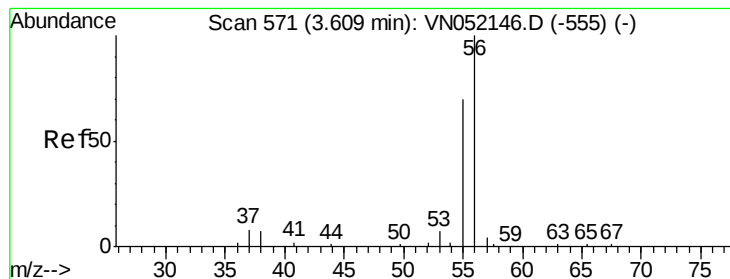
59 100

57 24.5 7.0 10.6#



Abundance Ion 59.00 (58.70 to 59.70): VN052187.D (-839) (-)





#13

Acrolein

Concen: 33.691 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

Instrument :

MSVOA_N

ClientSampleId :

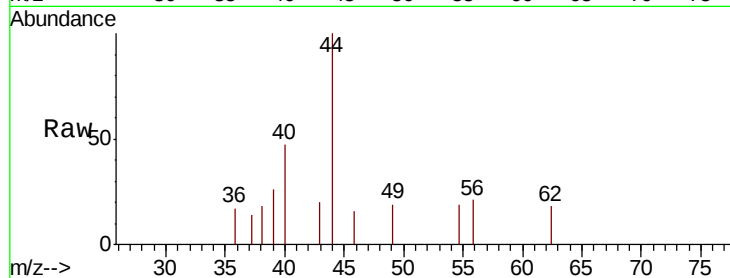
PL-05-110518

Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

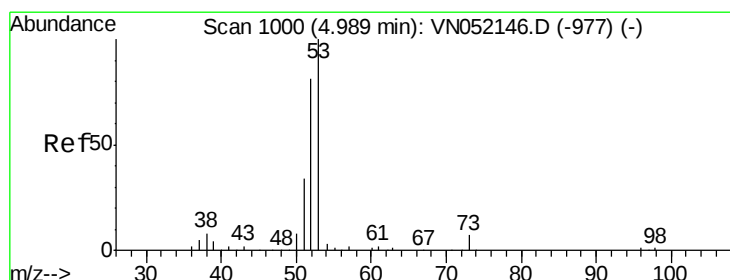
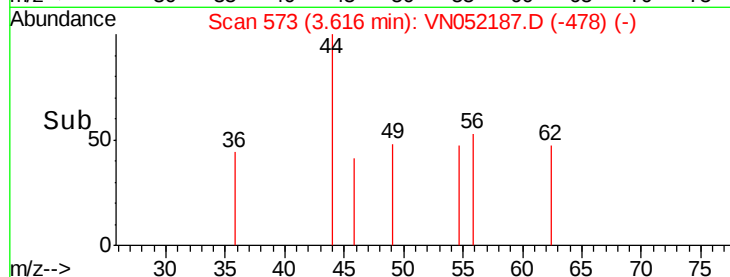
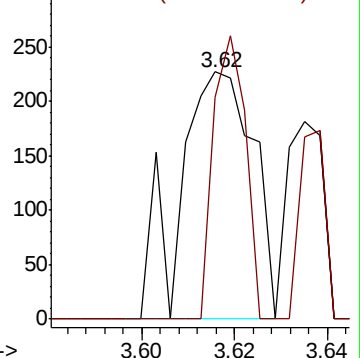
56 100

55 50.6 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#15

Acrylonitrile

Concen: 0.212 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.03 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

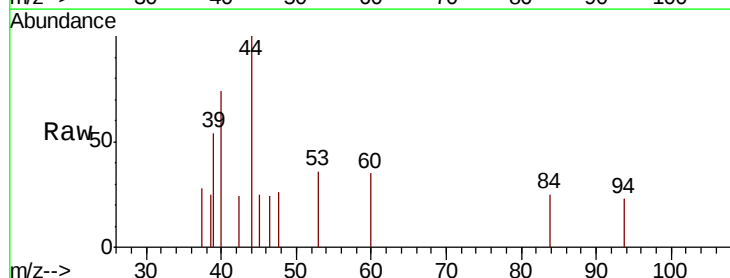
Tgt Ion: 53 Resp: 232

Ion Ratio Lower Upper

53 100

52 0.0 66.6 100.0#

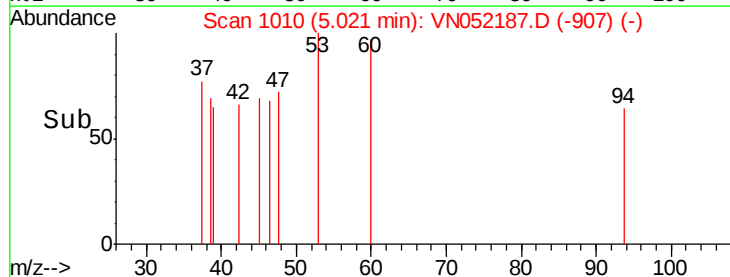
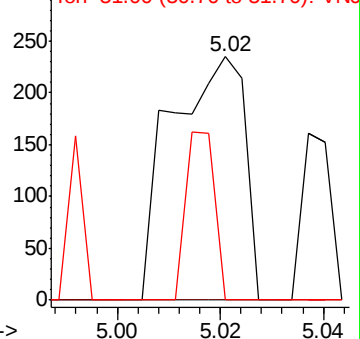
51 26.7 29.0 43.6#

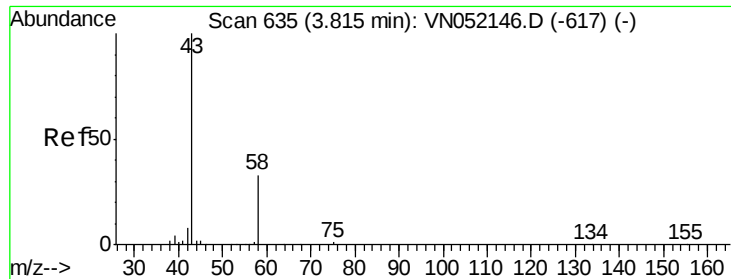


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#16

Acetone

Concen: 2.206 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

Instrument :

MSVOA_N

ClientSampleId :

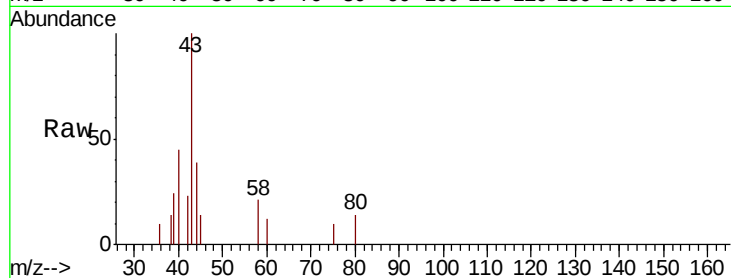
PL-05-110518

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

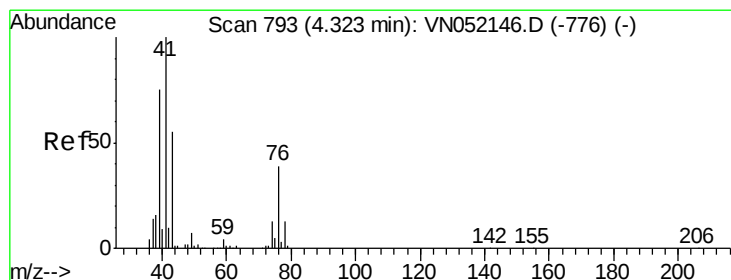
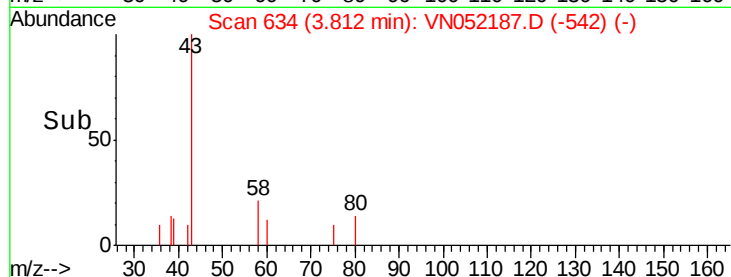
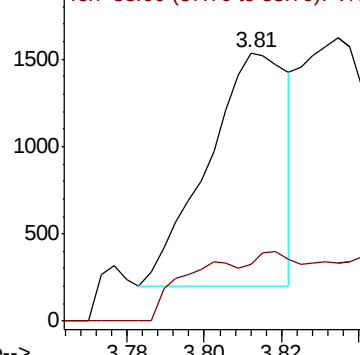
43 100

58 24.2 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.361 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN052187.D

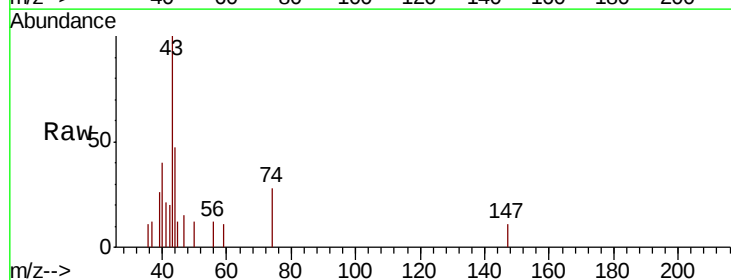
Acq: 6 Nov 2018 13:01

Tgt Ion: 43 Resp: 3640

Ion Ratio Lower Upper

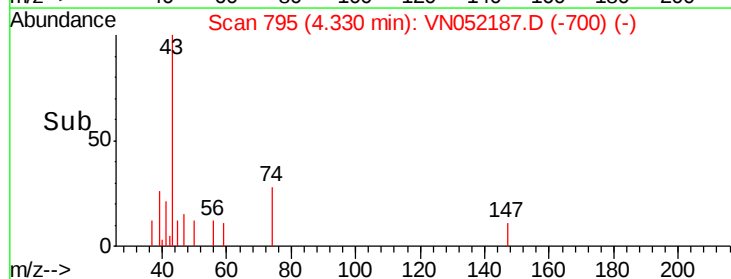
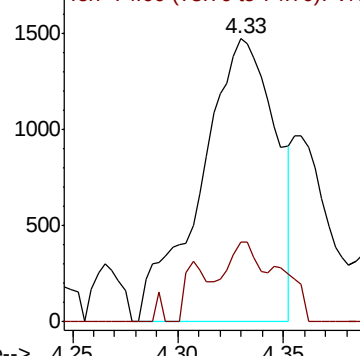
43 100

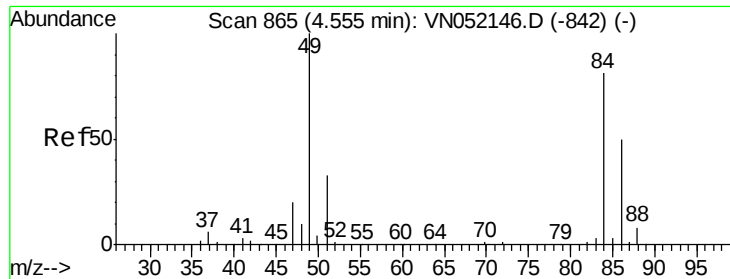
74 5.9 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

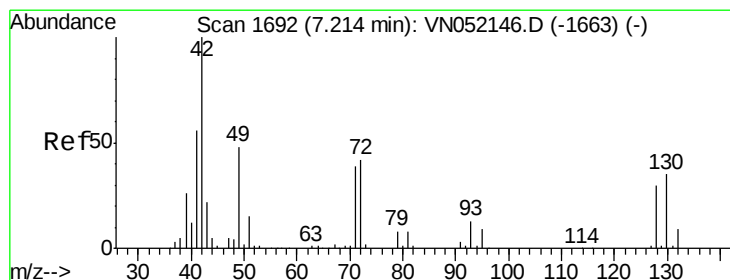
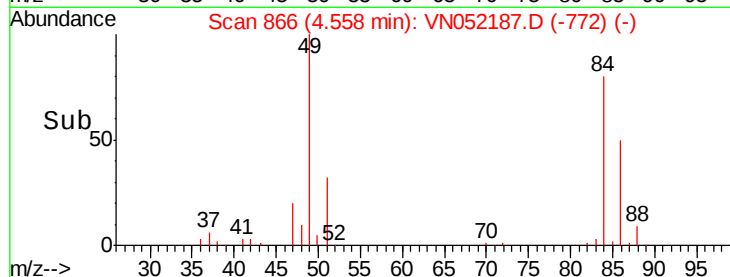
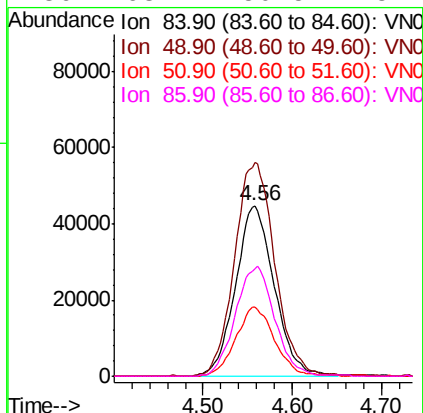
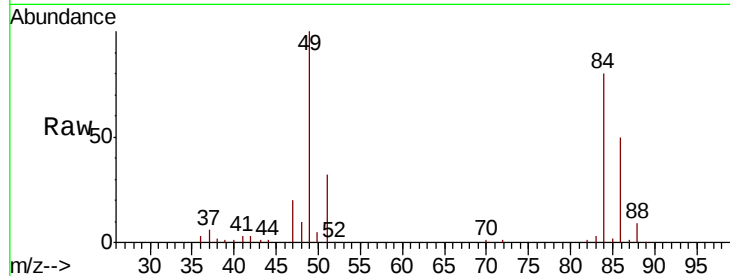




#20
Methylene Chloride
Concen: 37.688 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

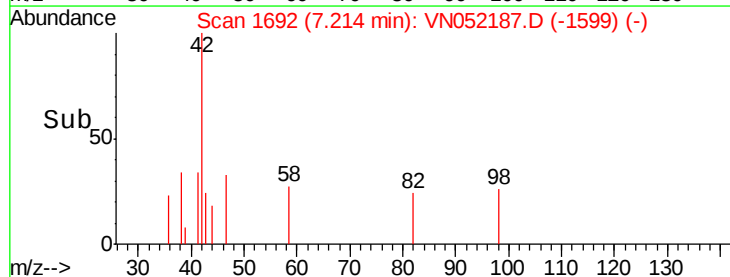
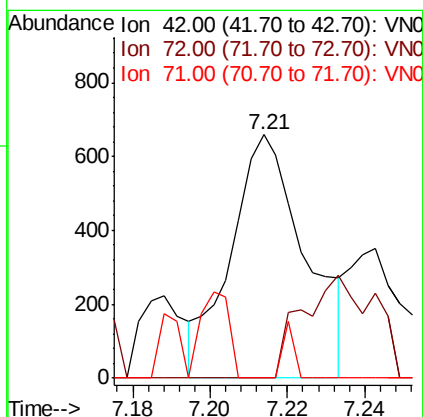
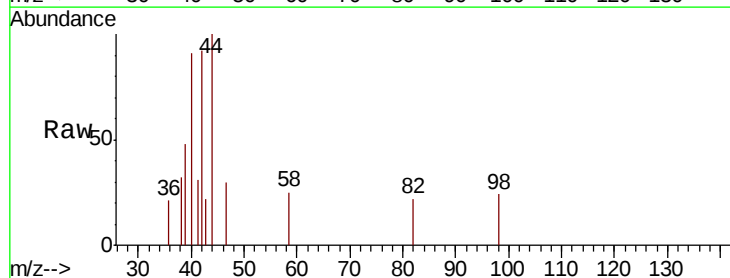
Instrument :
MSVOA_N
ClientSampleId :
PL-05-110518

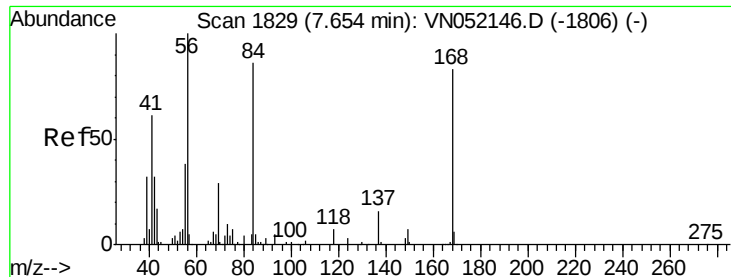
Tgt Ion: 84 Resp: 135320
Ion Ratio Lower Upper
84 100
49 125.2 110.6 165.8
51 40.2 33.7 50.5
86 63.2 50.5 75.7



#29
Tetrahydrofuran
Concen: 1.061 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Tgt Ion: 42 Resp: 880
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7#
71 3.3 30.6 46.0#

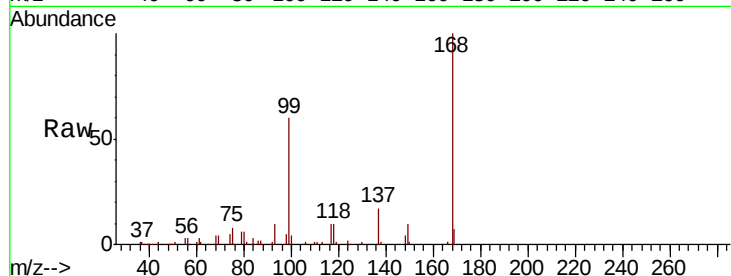




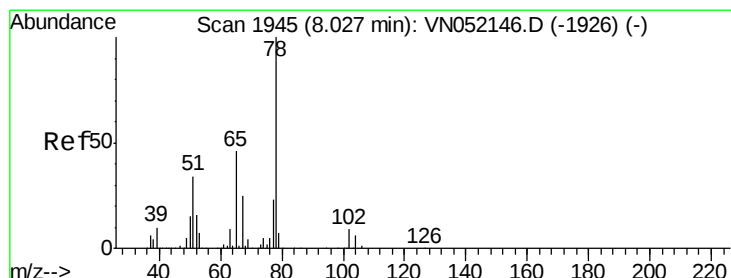
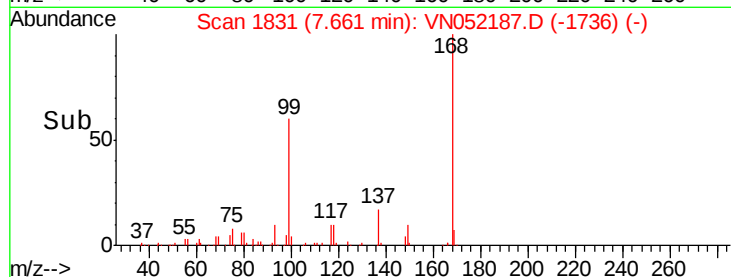
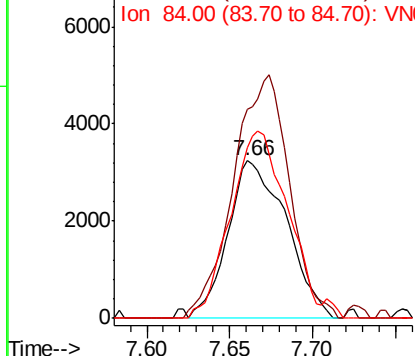
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Instrument :
MSVOA_N
ClientSampleId :
PL-05-110518

Tgt Ion: 56 Resp: 7982
Ion Ratio Lower Upper
56 100
69 132.8 25.8 38.6#
84 108.2 63.5 95.3#

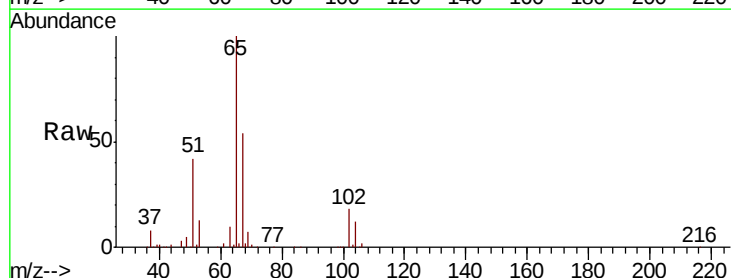


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

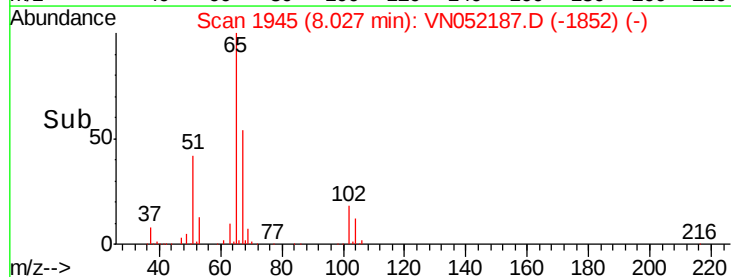
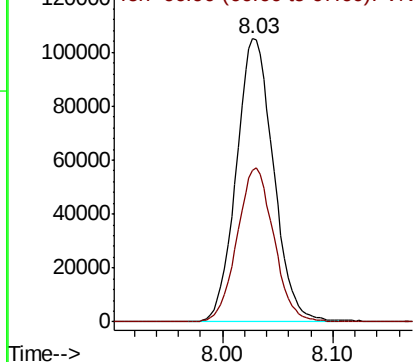


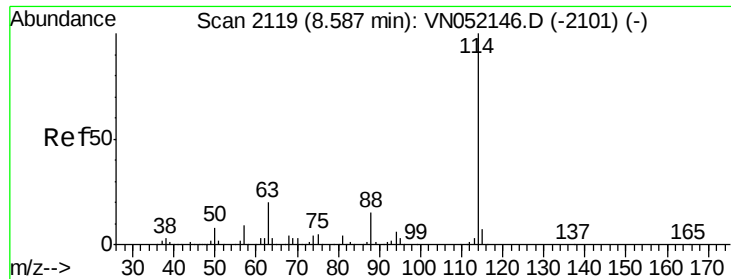
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Tgt Ion: 65 Resp: 245045
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.2



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

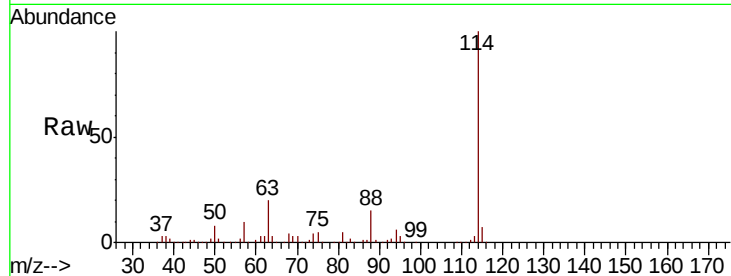




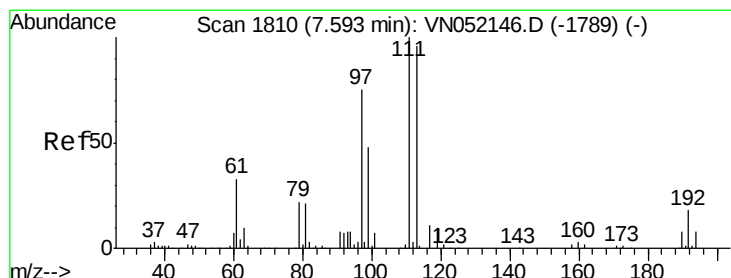
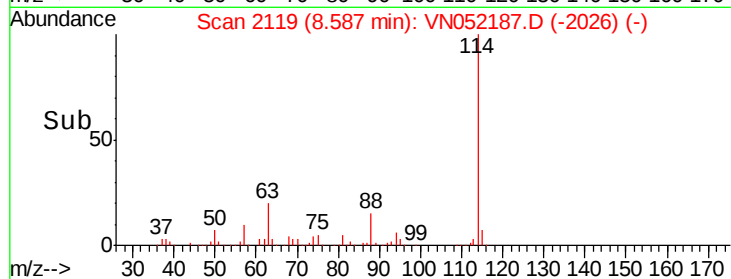
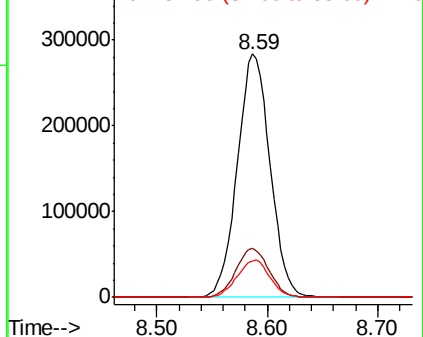
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

Tgt Ion:114 Resp: 582763
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 46.0
 88 15.1 0.0 35.4

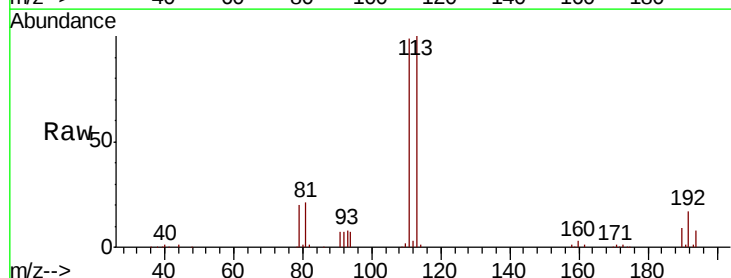


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

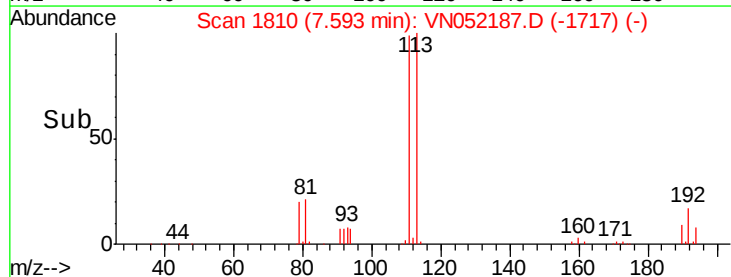
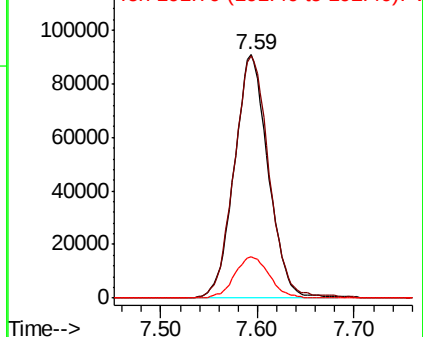


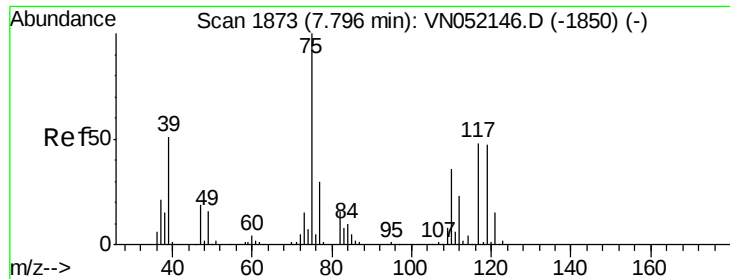
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Tgt Ion:113 Resp: 221237
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.1 124.7
 192 17.4 12.7 19.1



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

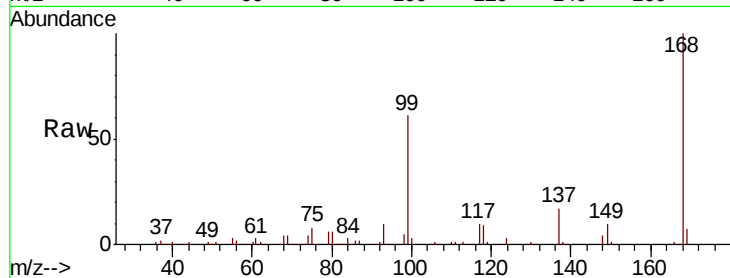




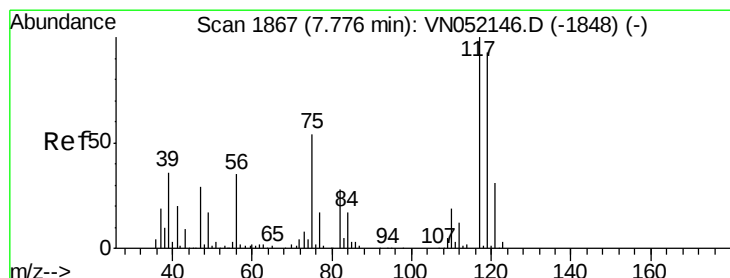
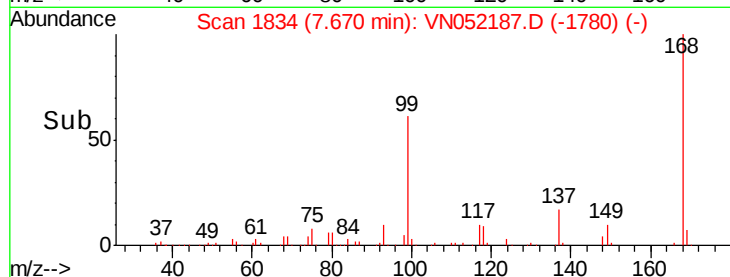
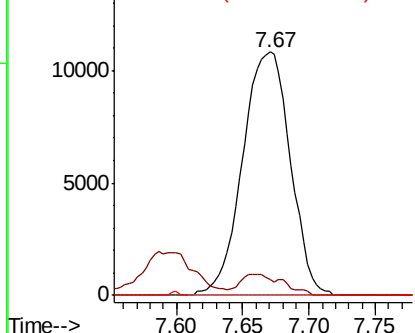
#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.13 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

Tgt Ion: 75 Resp: 27093
 Ion Ratio Lower Upper
 75 100
 110 3.5 16.0 48.0#
 77 0.0 24.5 36.7#

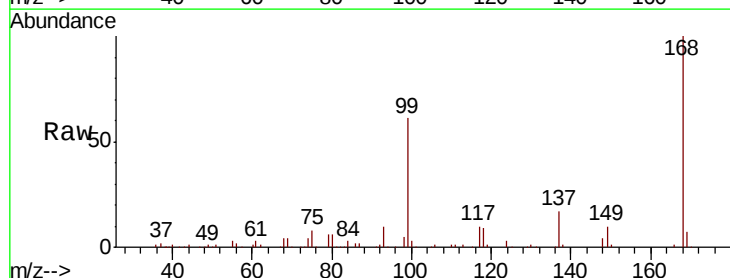


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

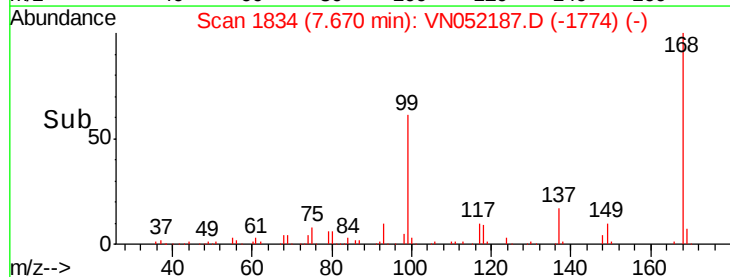
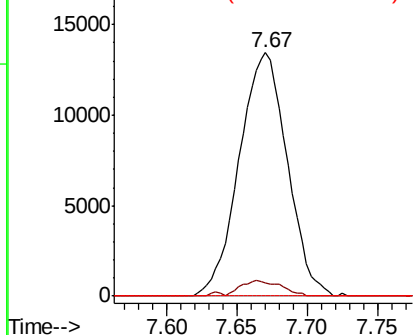


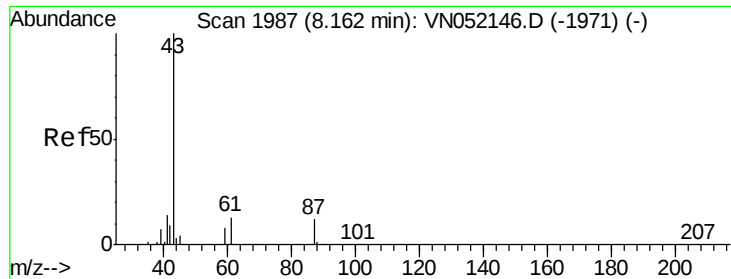
#38
 Carbon Tetrachloride
 Concen: 6.205 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Tgt Ion: 117 Resp: 31958
 Ion Ratio Lower Upper
 117 100
 119 5.4 74.8 112.2#
 121 0.0 25.1 37.7#



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

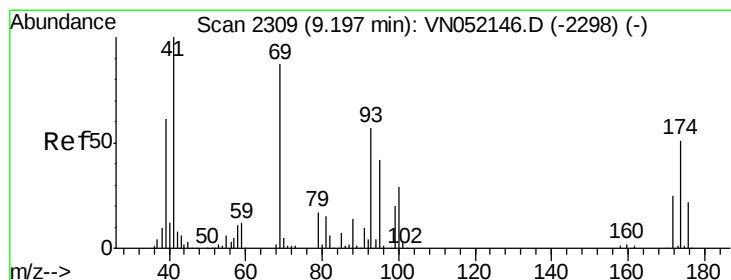
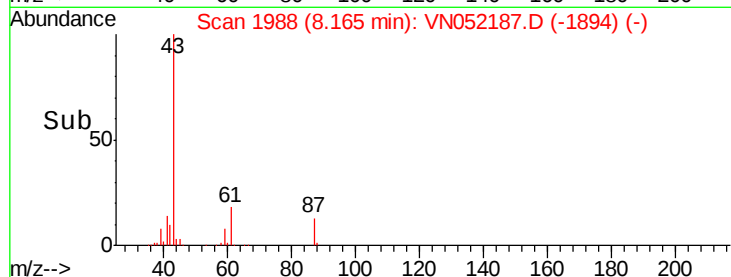
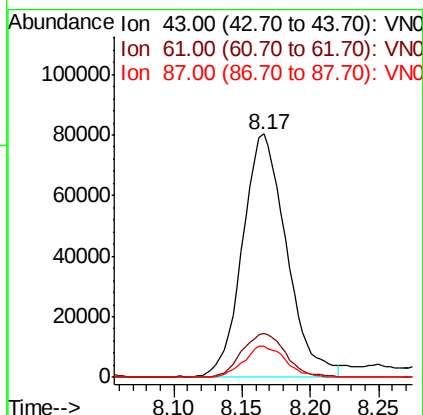
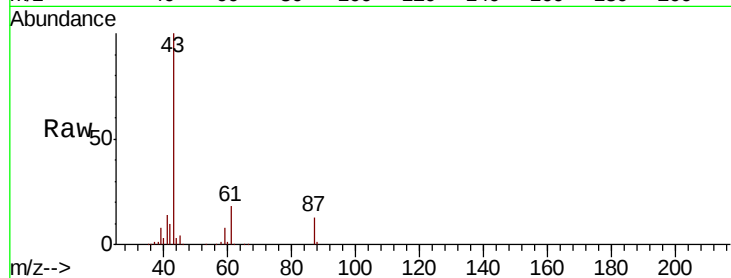




#43
Isopropyl Acetate
Concen: 30.423 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

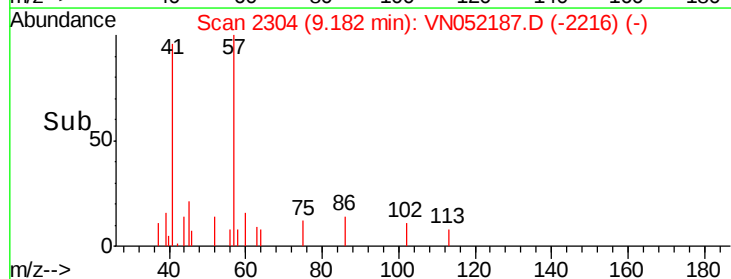
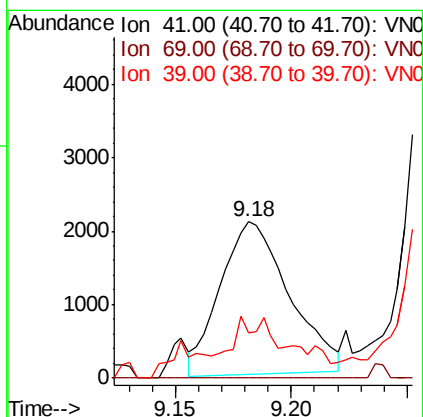
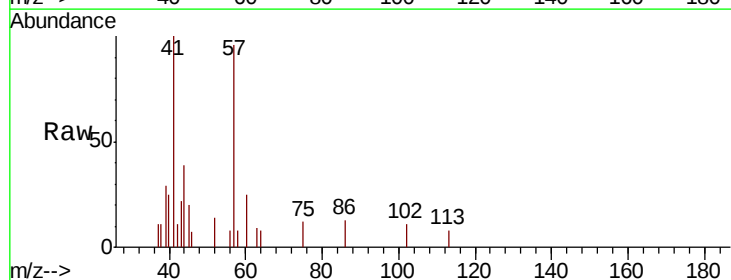
Instrument :
MSVOA_N
ClientSampleId :
PL-05-110518

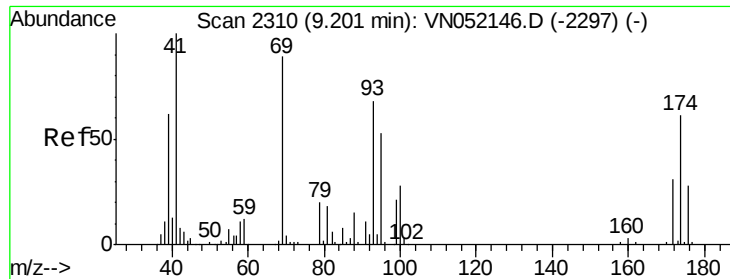
Tgt Ion: 43 Resp: 178957
Ion Ratio Lower Upper
43 100
61 18.2 15.4 23.0
87 12.3 9.8 14.8



#48
Methyl methacrylate
Concen: 1.526 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Tgt Ion: 41 Resp: 4321
Ion Ratio Lower Upper
41 100
69 0.0 67.1 100.7#
39 18.4 50.5 75.7#





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.33 min Scan# 2351

Delta R.T. 0.13 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

Instrument :

MSVOA_N

ClientSampled :

PL-05-110518

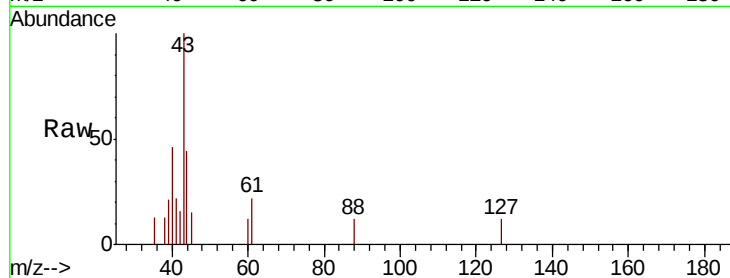
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 0.0 34.1 51.1#

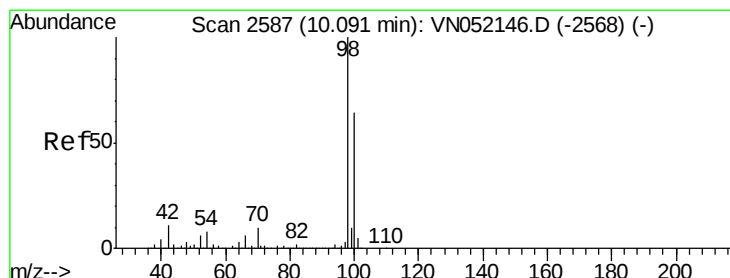
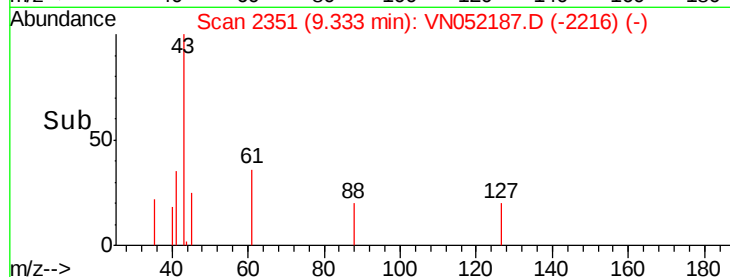
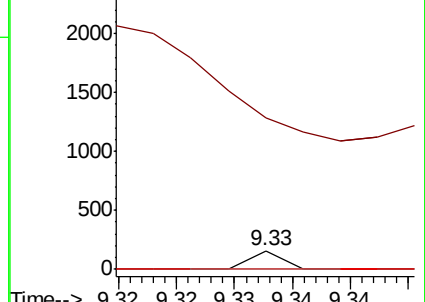
58 0.0 62.8 94.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052187.D

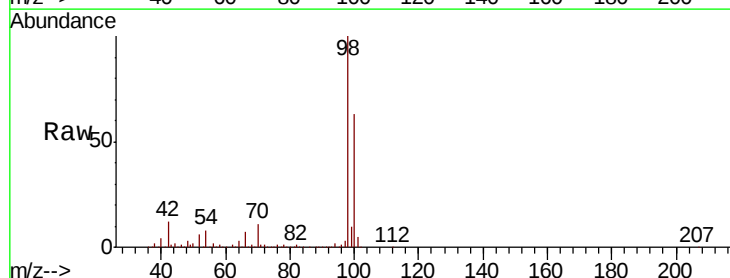
Acq: 6 Nov 2018 13:01

Tgt Ion: 98 Resp: 854707

Ion Ratio Lower Upper

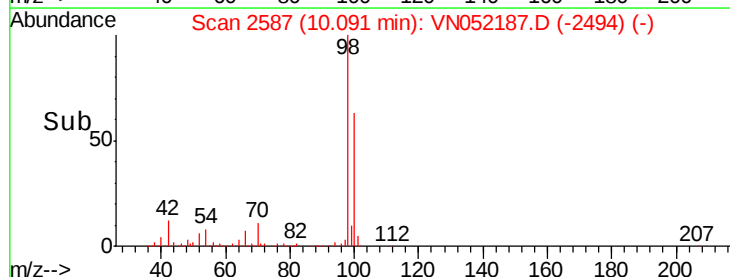
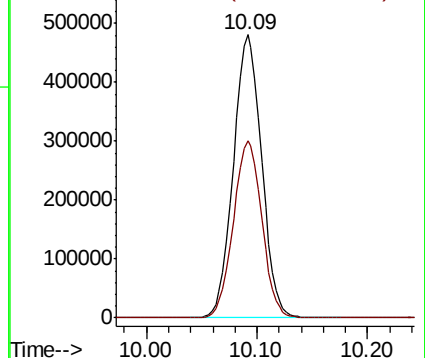
98 100

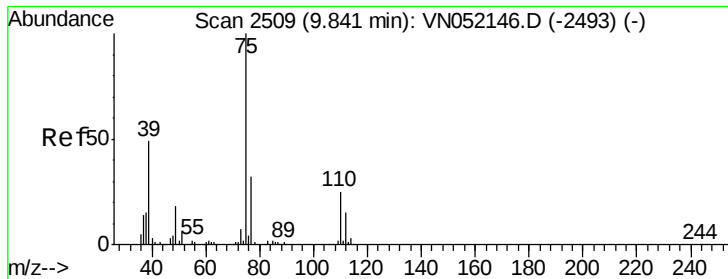
100 63.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0



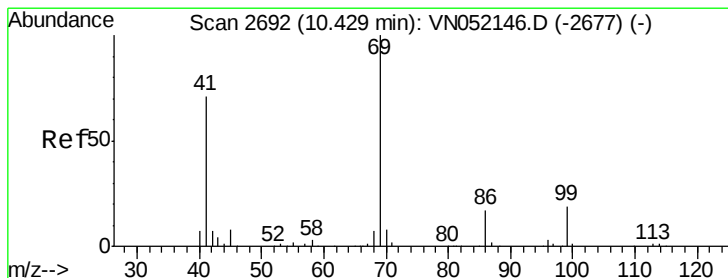
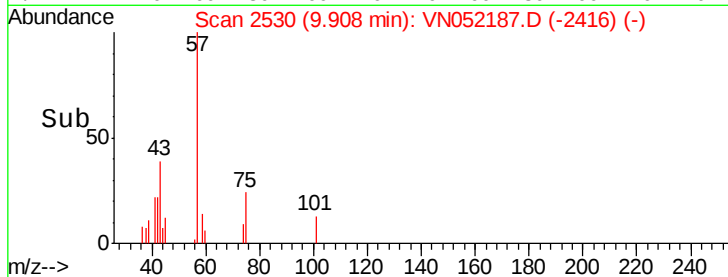
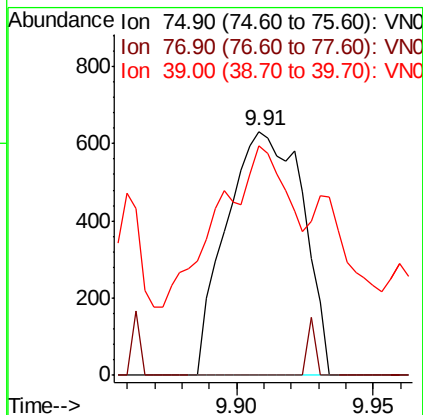
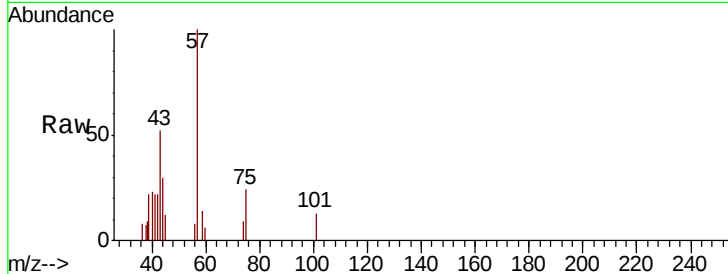


#54

cis-1,3-Dichloropropene
Concen: 0.215 ug/l
RT: 9.91 min Scan# 2530
Delta R.T. 0.07 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Instrument :
MSVOA_N
ClientSampleId :
PL-05-110518

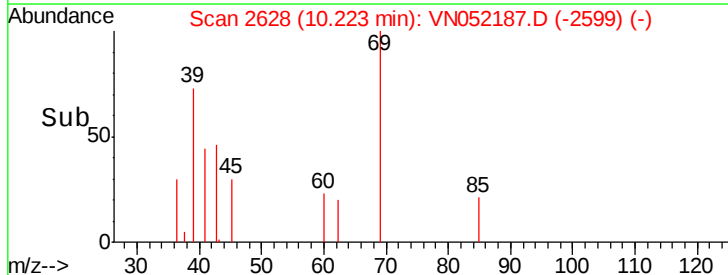
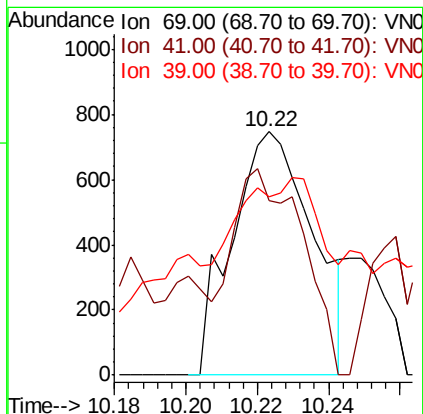
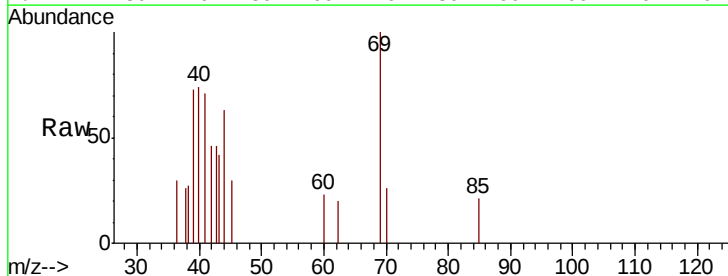
Tgt Ion: 75 Resp: 1227
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 50.1 42.3 63.5

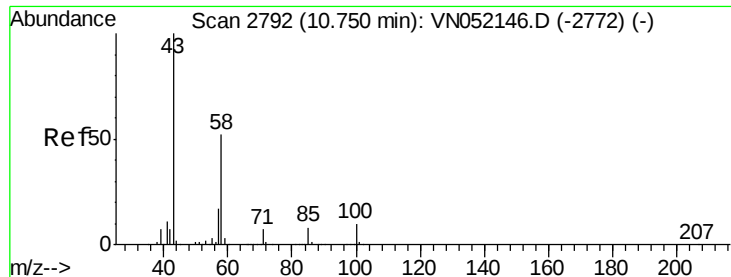


#56

Ethyl methacrylate
Concen: 0.279 ug/l
RT: 10.22 min Scan# 2628
Delta R.T. -0.21 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Tgt Ion: 69 Resp: 1170
Ion Ratio Lower Upper
69 100
41 74.3 55.5 83.3
39 29.8 33.0 49.4#

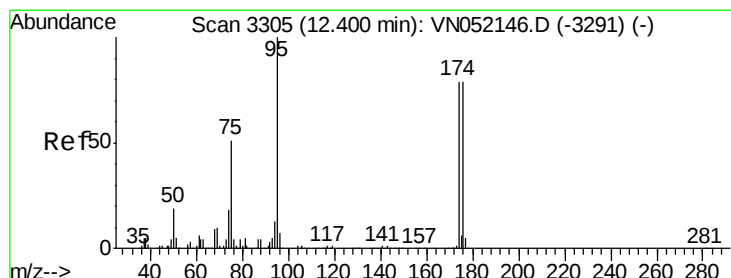
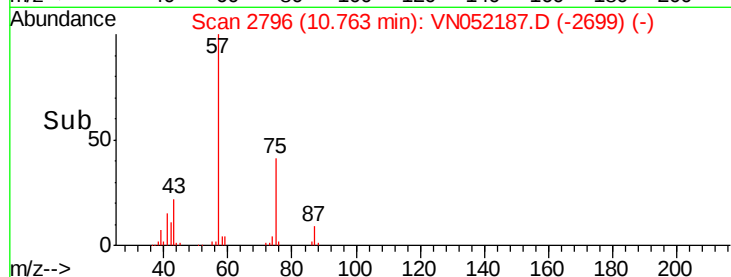
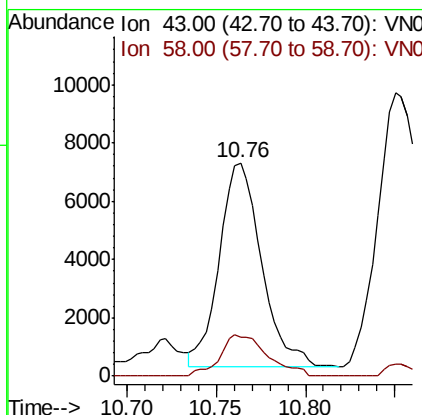
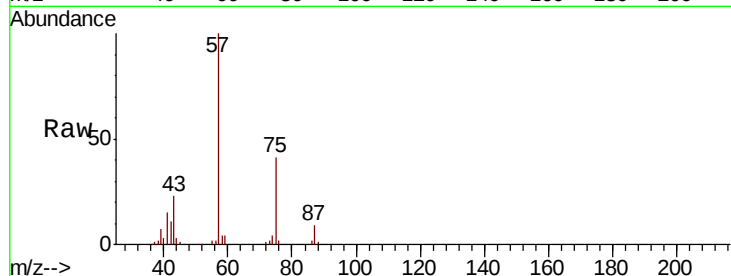




#59
2-Hexanone
Concen: 5.336 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

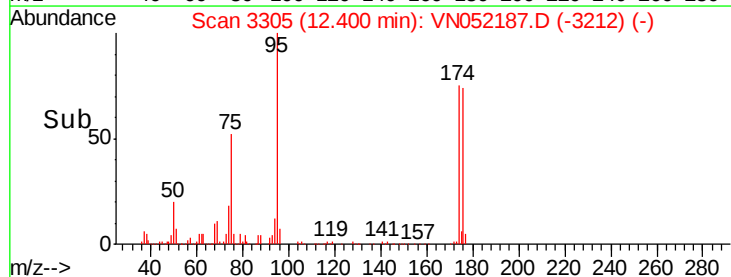
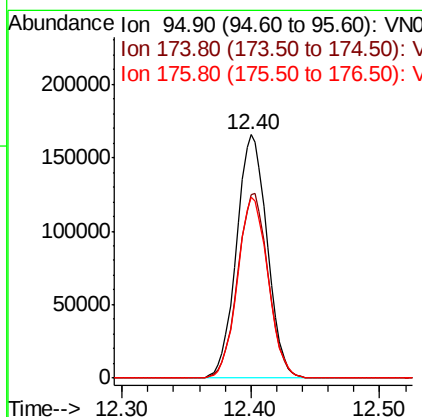
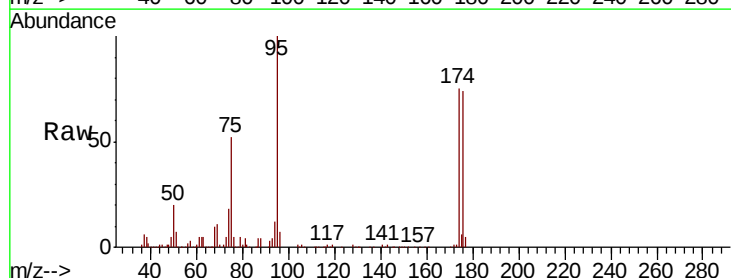
Instrument :
MSVOA_N
ClientSampled :
PL-05-110518

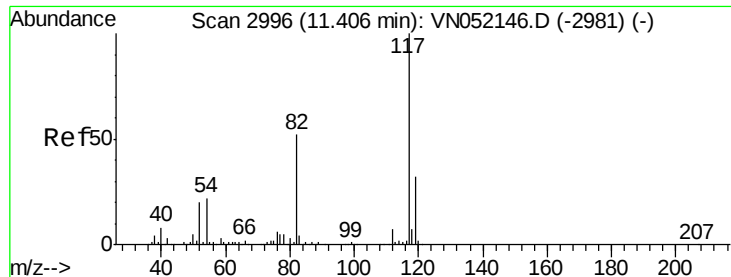
Tgt Ion: 43 Resp: 11544
Ion Ratio Lower Upper
43 100
58 22.8 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Tgt Ion: 95 Resp: 273434
Ion Ratio Lower Upper
95 100
174 75.8 0.0 131.8
176 74.0 0.0 126.0

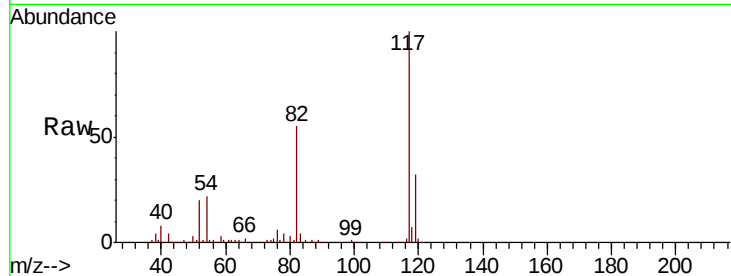




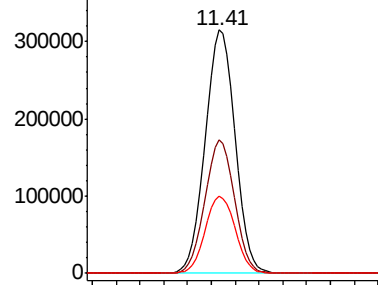
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

Instrument :
MSVOA_N
ClientSampleId :
PL-05-110518

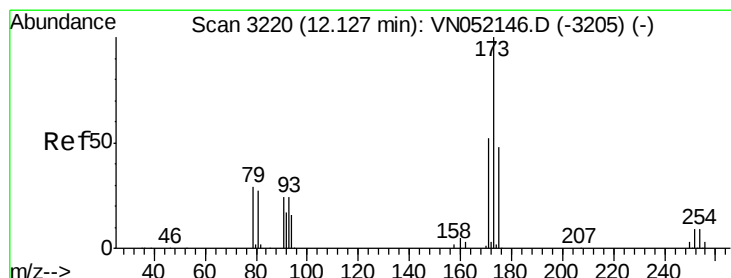
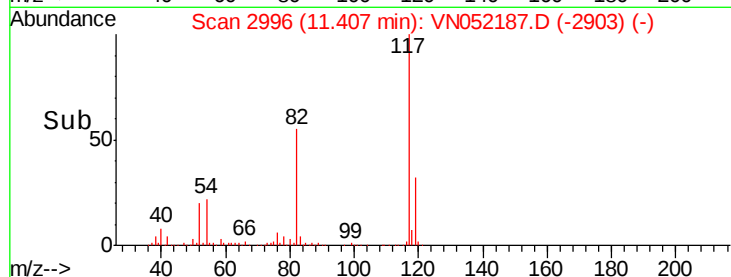
Tgt Ion:117 Resp: 549703
Ion Ratio Lower Upper
117 100
82 54.8 49.9 74.9
119 31.6 25.7 38.5



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

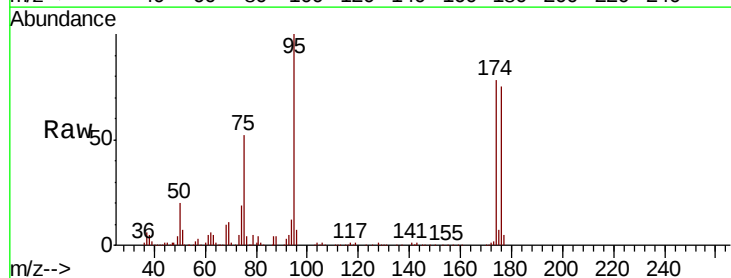


Time--> 11.30 11.40 11.50

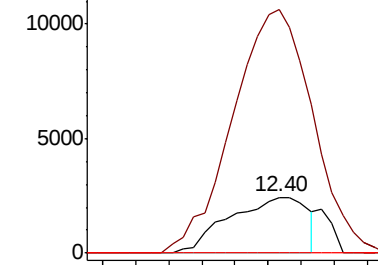


#71
Bromoform
Concen: 4.301 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052187.D
Acq: 6 Nov 2018 13:01

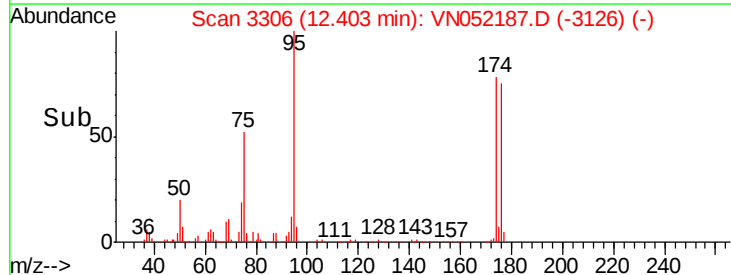
Tgt Ion:173 Resp: 4001
Ion Ratio Lower Upper
173 100
175 397.8 23.9 71.7#
254 0.0 0.0 0.0

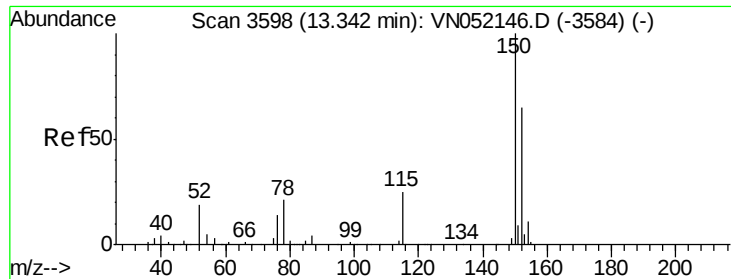


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



Time--> 12.35 12.40





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

Instrument :

MSVOA_N

ClientSampleId :

PL-05-110518

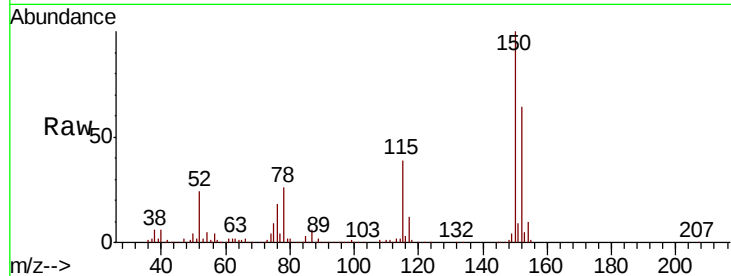
Tgt Ion:152 Resp: 209561

Ion Ratio Lower Upper

152 100

115 60.4 31.6 95.0

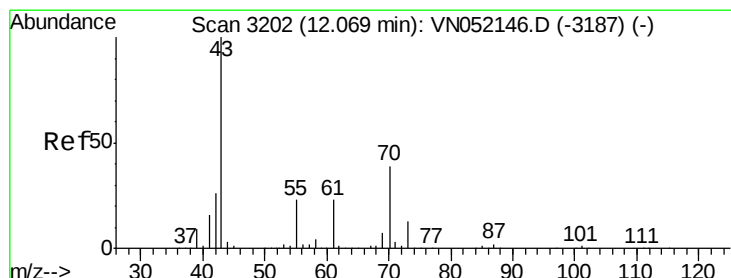
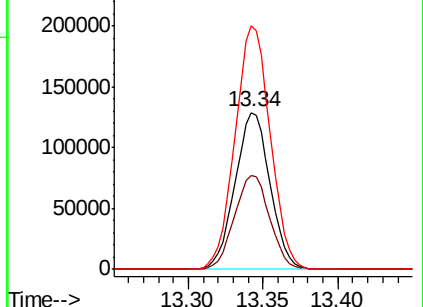
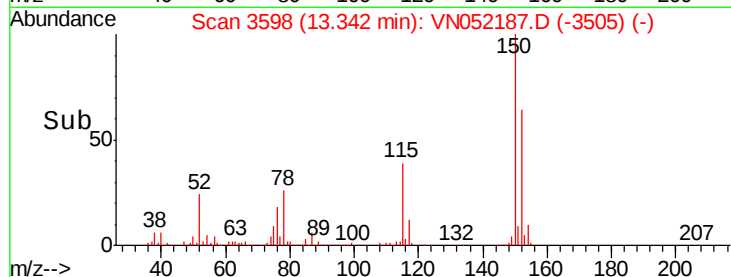
150 156.1 0.0 345.0



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-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052187.D

Acq: 6 Nov 2018 13:01

Tgt Ion: 43 Resp: 193

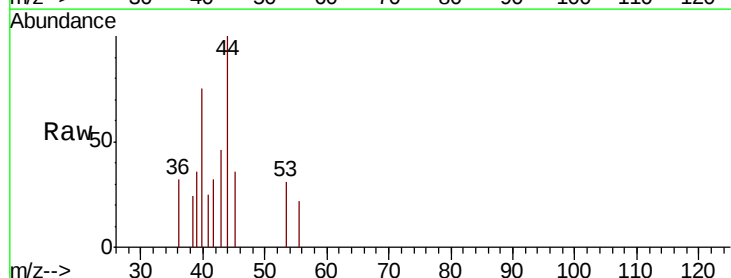
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 64.2 18.4 27.6#

61 0.0 18.2 27.4#

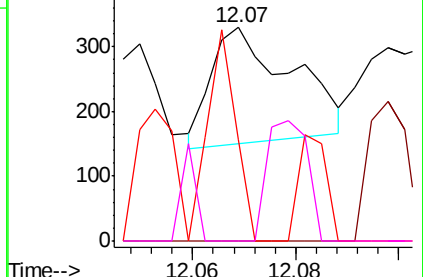
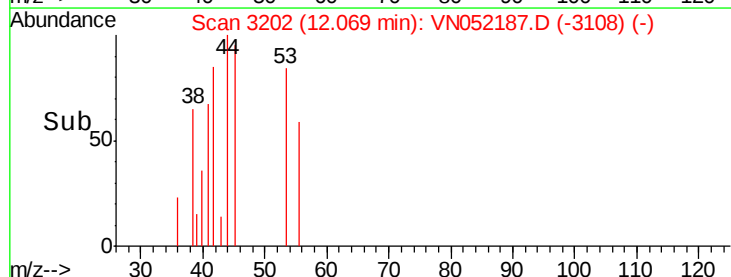


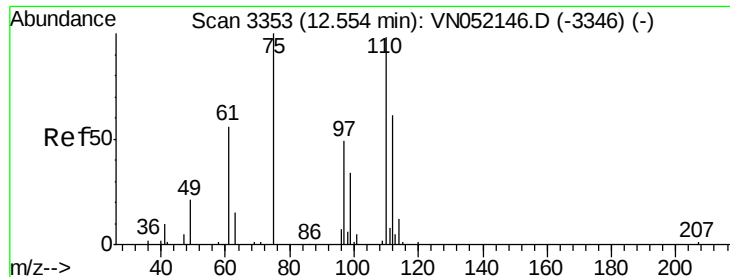
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

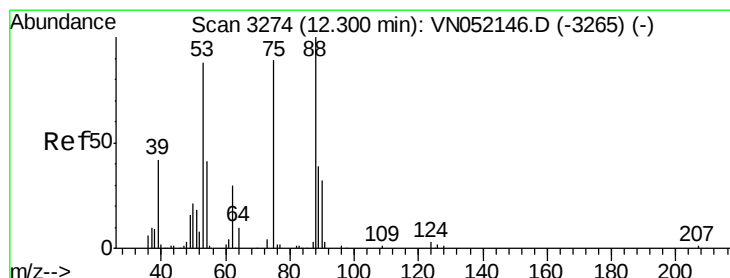
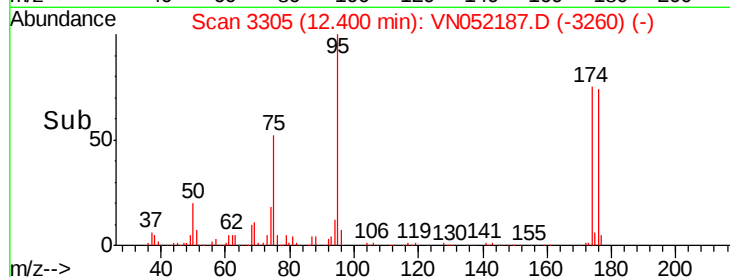
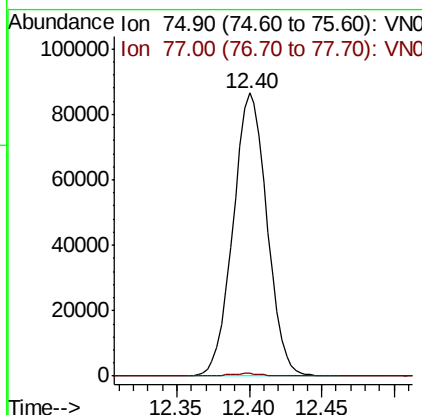
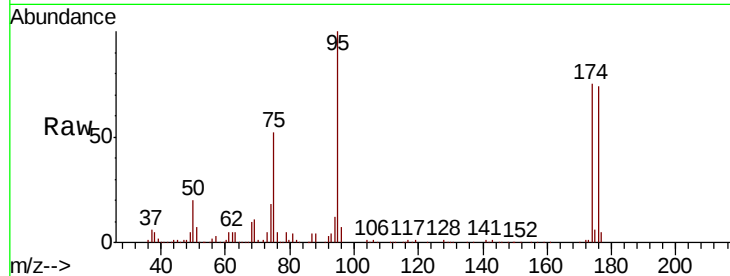




#76
 1,2,3-Trichloropropane
 Concen: 50.651 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

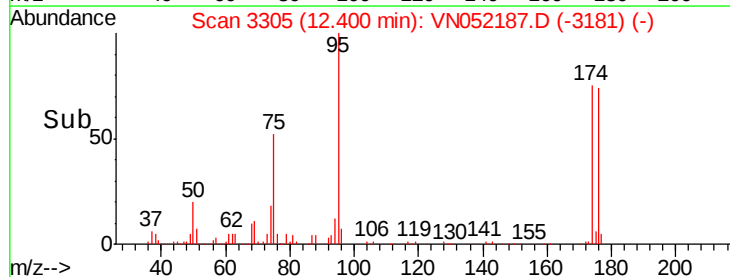
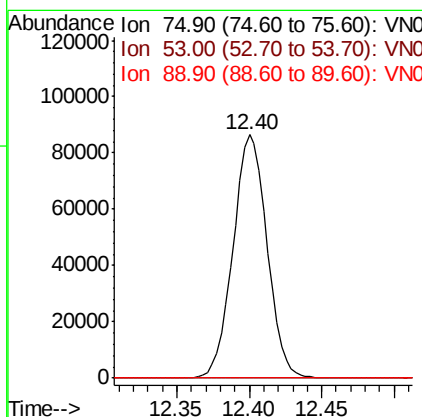
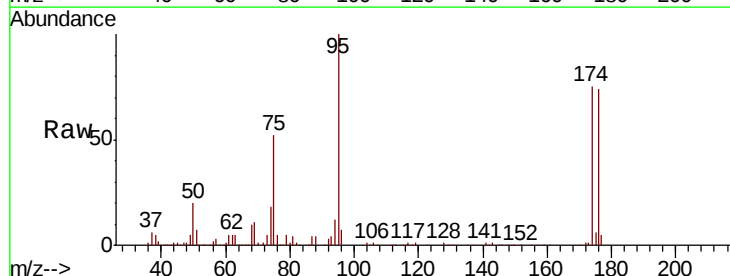
Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

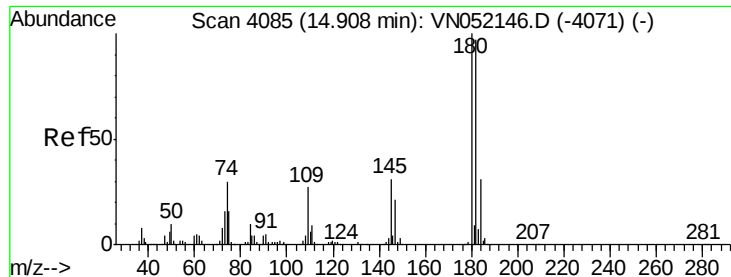
Tgt Ion: 75 Resp: 140296
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 152.324 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Tgt Ion: 75 Resp: 140296
 Ion Ratio Lower Upper
 75 100
 53 0.2 81.8 122.6#
 89 0.1 36.6 54.8#

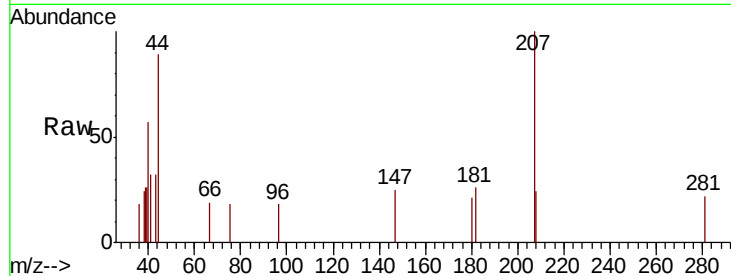




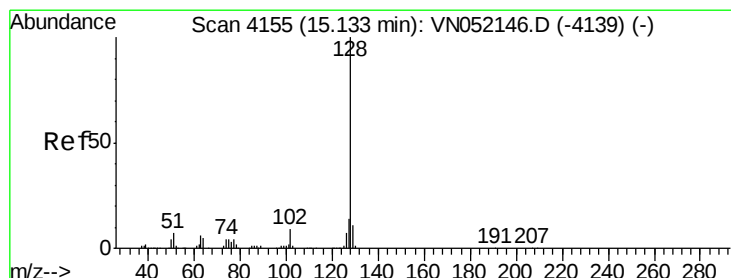
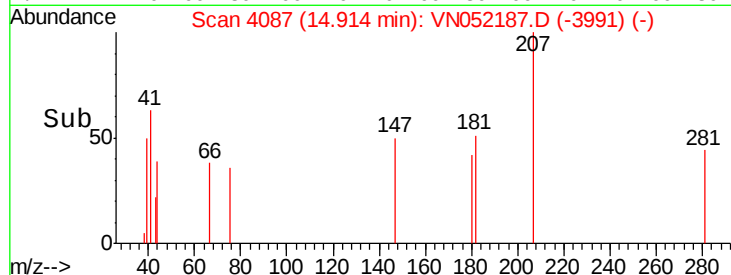
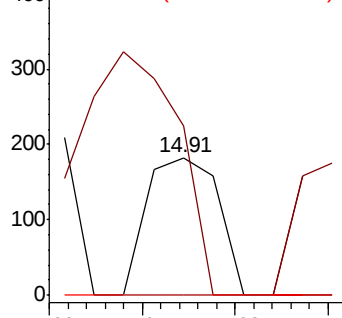
#93
 1,2,4-Trichlorobenzene
 Concen: 2.268 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

Tgt Ion:180 Resp: 98
 Ion Ratio Lower Upper
 180 100
 182 246.9 49.1 147.4#
 145 0.0 16.4 49.2#

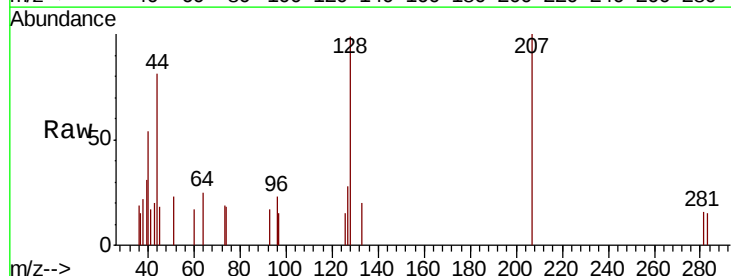


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

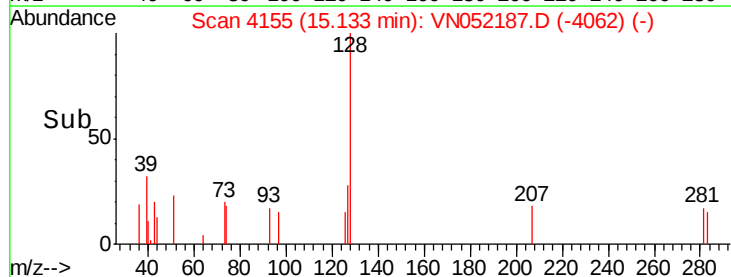
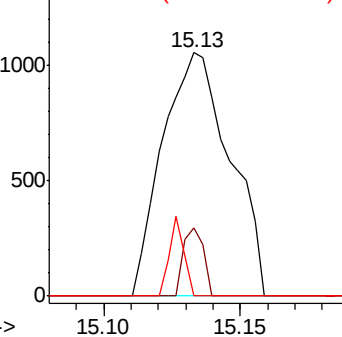


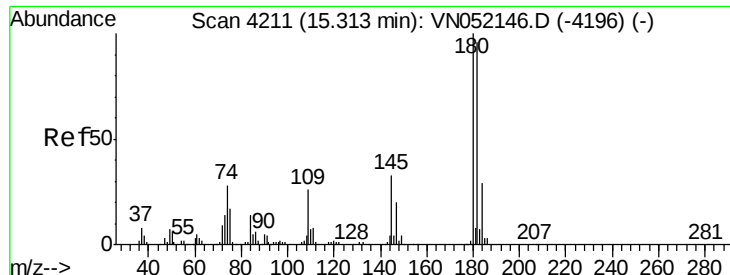
#95
 Naphthalene
 Concen: 0.282 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Tgt Ion:128 Resp: 1807
 Ion Ratio Lower Upper
 128 100
 127 8.1 10.5 15.7#
 129 7.2 8.6 12.8#



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

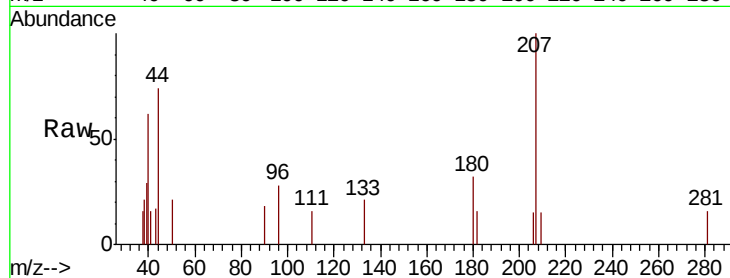




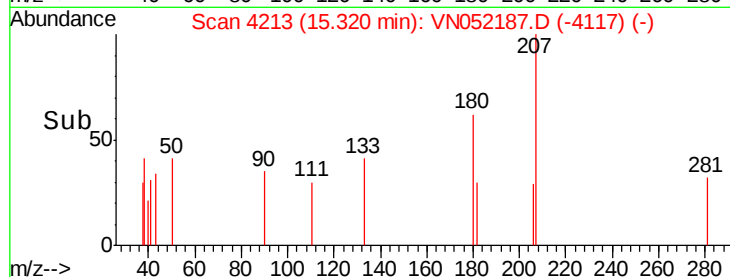
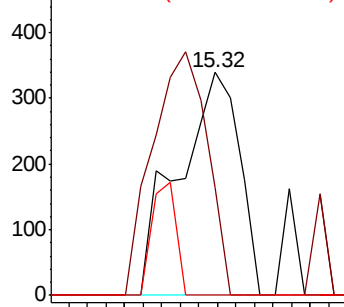
#96
 1,2,3-Trichlorobenzene
 Concen: 1.849 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN052187.D
 Acq: 6 Nov 2018 13:01

Instrument :
 MSVOA_N
 ClientSampleId :
 PL-05-110518

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.2	141.6
145	20.1	16.6	49.7



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



Time-->