

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052625.D
 Acq On : 3 Dec 2018 12:14
 Operator : MD\SY
 Sample : PB115231ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#02

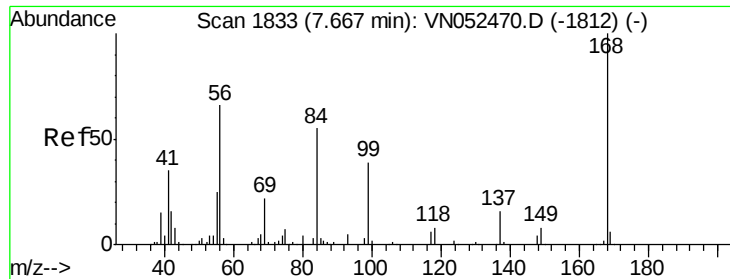
Quant Time: Dec 04 00:31:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1183272	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1816850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1572665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	557278	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	615118	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
35) Dibromofluoromethane	7.59	113	556846	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
50) Toluene-d8	10.09	98	2220535	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.40	95	675891	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
14) Allyl chloride	4.55	41	4260	0.223	ug/l #	26
16) Acetone	3.82	43	16447	4.840	ug/l	91
18) Methyl Acetate	4.34	43	4917	0.504	ug/l #	75
20) Methylene Chloride	4.56	84	93355	7.020	ug/l	97
29) Tetrahydrofuran	7.21	42	1548	0.498	ug/l #	58
31) Cyclohexane	7.66	56	20235	0.551	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79913	4.658	ug/l #	49
38) Carbon Tetrachloride	7.67	117	103864	6.687	ug/l #	16
43) Isopropyl Acetate	8.17	43	53975	3.046	ug/l #	82
45) 1,2-Dichloropropane	9.27	63	3495	0.257	ug/l #	43
48) Methyl methacrylate	9.18	41	16438	1.779	ug/l #	13
49) 1,4-Dioxane	9.26	88	144	1.502	ug/l #	24
51) 4-Methyl-2-Pentanone	10.02	43	17778	1.788	ug/l #	36
54) cis-1,3-Dichloropropene	9.90	75	127258	6.747	ug/l #	62
56) Ethyl methacrylate	10.54	69	1484	2.788	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	25420	1.347	ug/l #	43
59) 2-Hexanone	10.77	43	352924	52.891	ug/l #	51
71) Bromoform	12.41	173	3875	0.519	ug/l #	1
74) N-amyl acetate	11.88	43	40427	3.660	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	324026	37.706	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	26656	0.764	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	324026	125.920	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1005	2.925	ug/l #	91
95) Naphthalene	15.13	128	2474	3.538	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	968	2.828	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

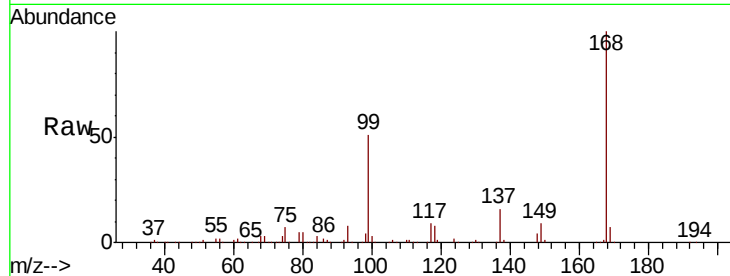
PB115231ZHE#02

Tot Ion:168 Resp: 1183272

Ion Ratio Lower Upper

168 100

99 51.3 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

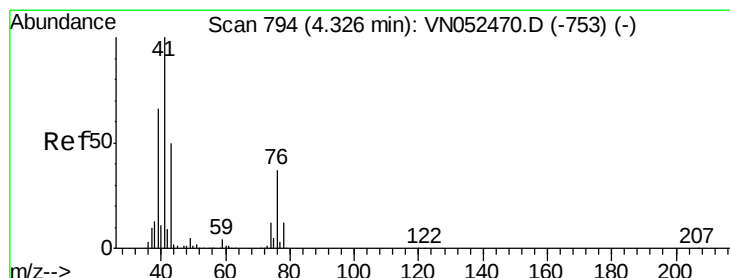
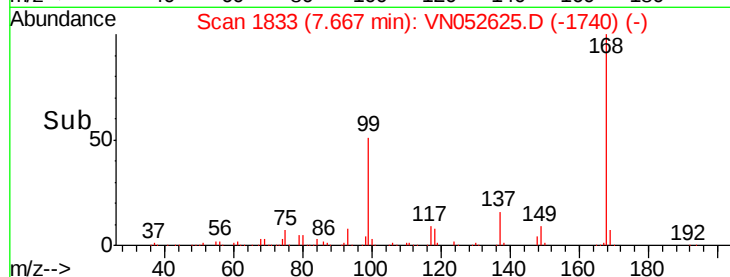
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 0.223 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.22 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

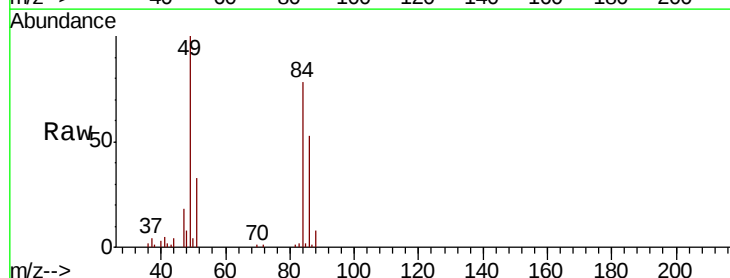
Tgt Ion: 41 Resp: 4260

Ion Ratio Lower Upper

41 100

39 0.0 50.6 76.0#

76 0.0 27.4 41.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

2000

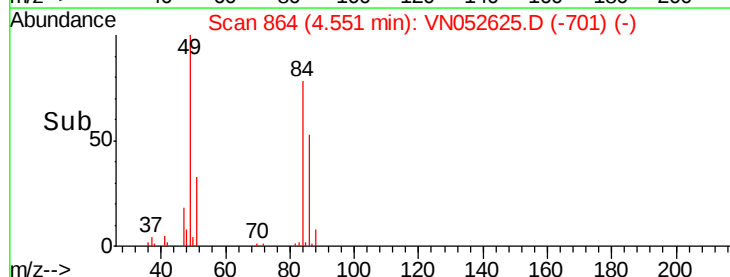
1500

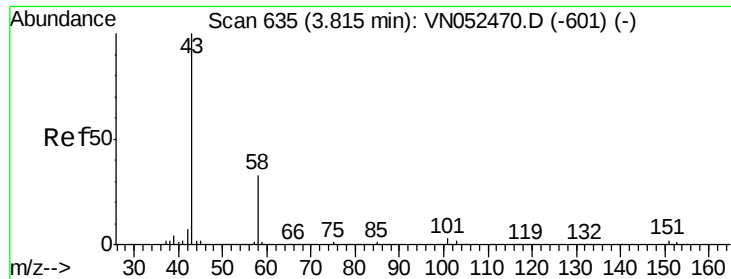
1000

500

0

Time-->





#16

Acetone

Concen: 4.840 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

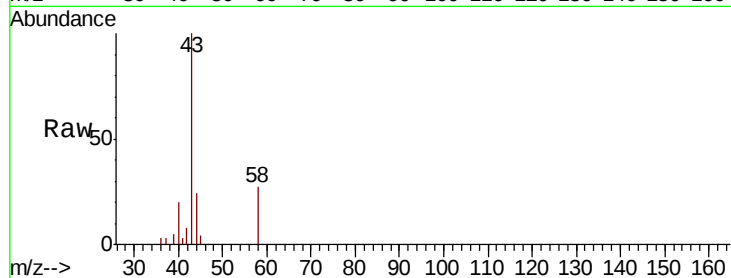
PB115231ZHE#02

Tot Ion: 43 Resp: 16447

Ion Ratio Lower Upper

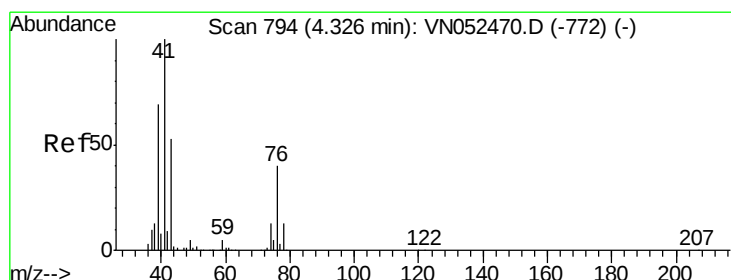
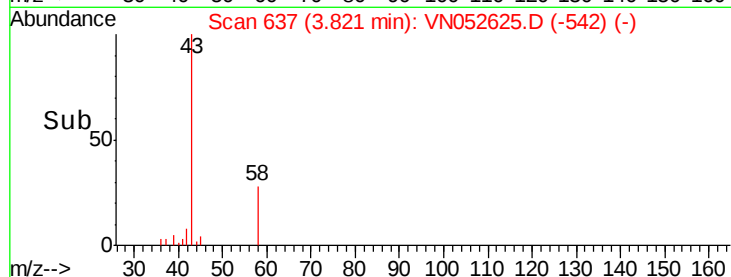
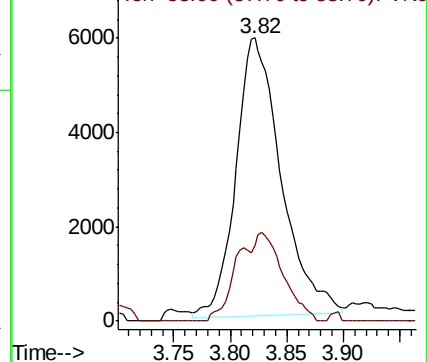
43 100

58 27.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.504 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052625.D

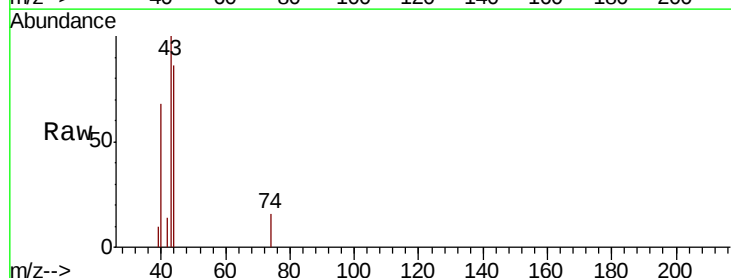
Acq: 3 Dec 2018 12:14

Tgt Ion: 43 Resp: 4917

Ion Ratio Lower Upper

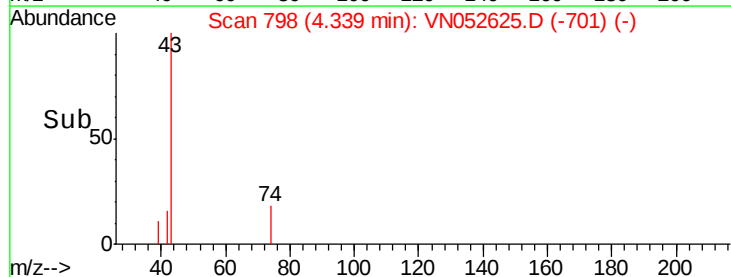
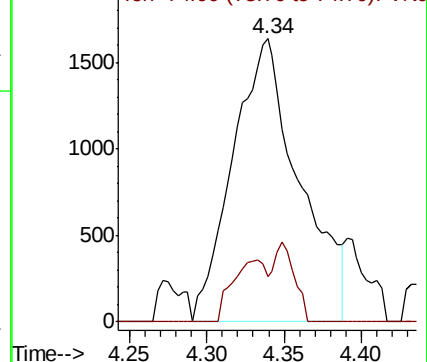
43 100

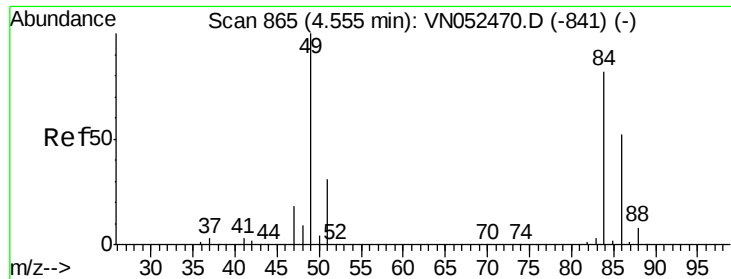
74 11.1 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

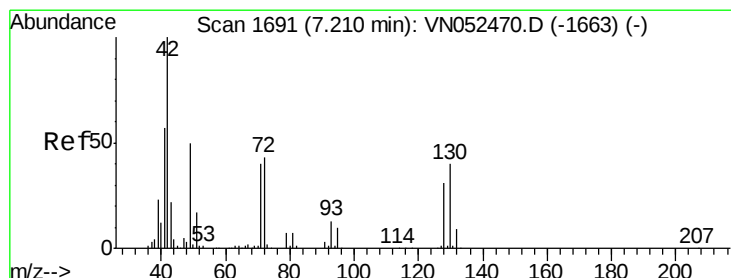
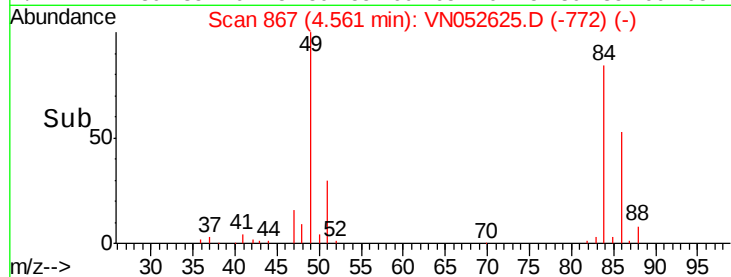
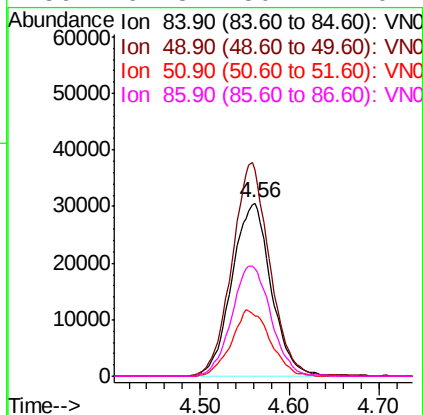
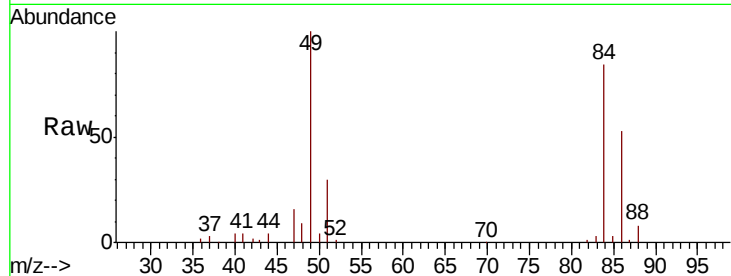




#20
Methvlene Chloride
Concen: 7.020 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

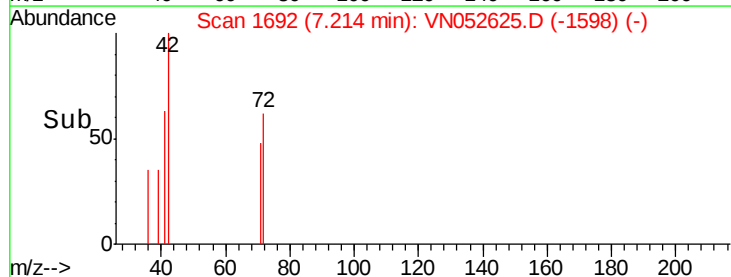
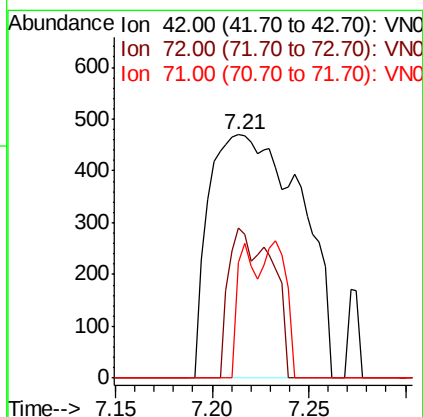
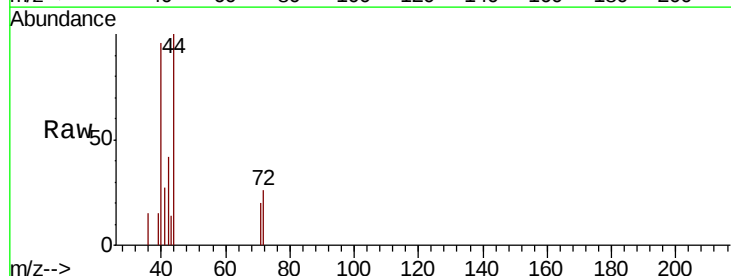
Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#02

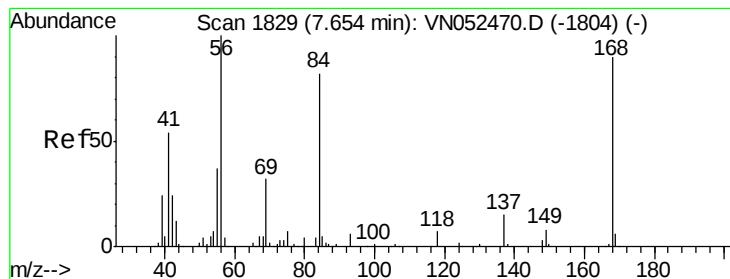
Tot Ion: 84 Resp: 93355
Ion Ratio Lower Upper
84 100
49 118.7 98.0 147.0
51 35.0 30.1 45.1
86 62.3 50.7 76.1



#29
Tetrahydrofuran
Concen: 0.498 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

Tgt Ion: 42 Resp: 1548
Ion Ratio Lower Upper
42 100
72 18.0 33.3 49.9#
71 11.1 32.0 48.0#





#31

Cyclohexane

Concen: 0.551 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

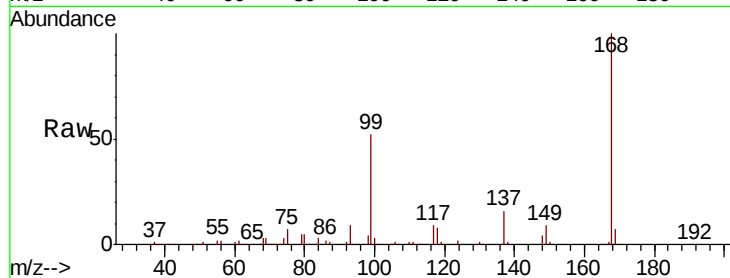
Tot Ion: 56 Resp: 20235

Ion Ratio Lower Upper

56 100

69 198.6 25.8 38.6#

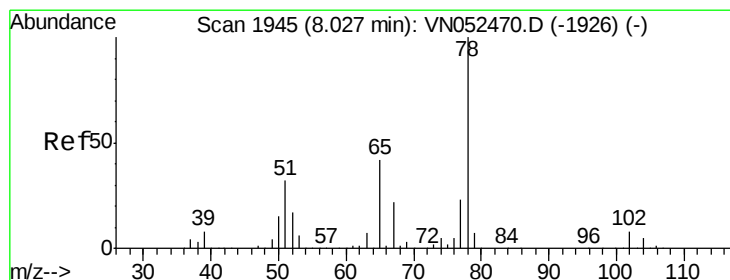
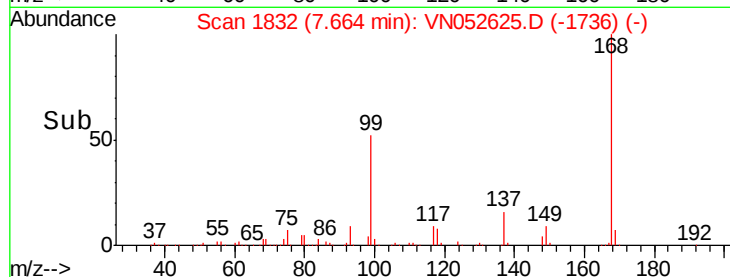
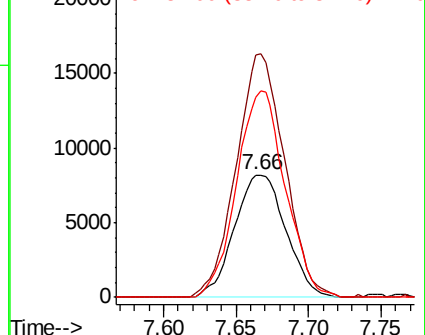
84 164.2 65.3 97.9#



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: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN052625.D

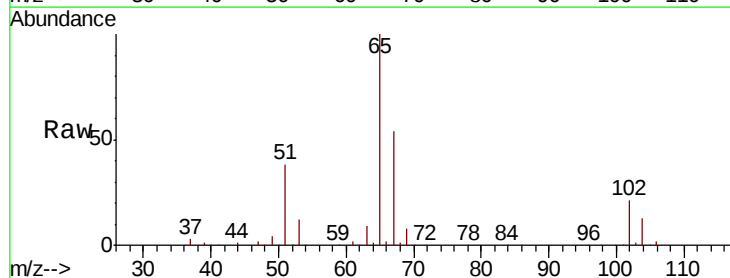
Acq: 3 Dec 2018 12:14

Tgt Ion: 65 Resp: 615118

Ion Ratio Lower Upper

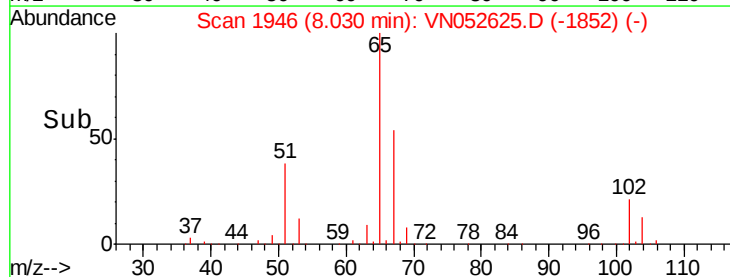
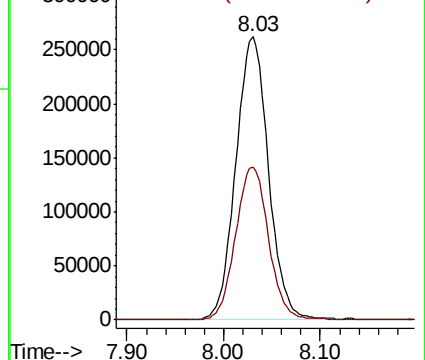
65 100

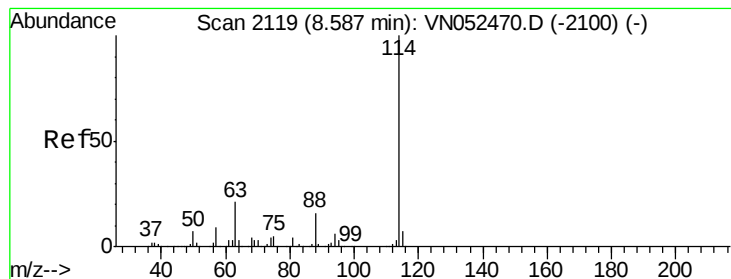
67 54.7 0.0 109.8



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: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

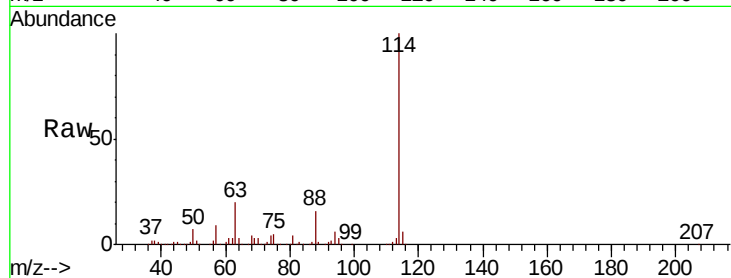
Tot Ion:114 Resp: 1816850

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.8

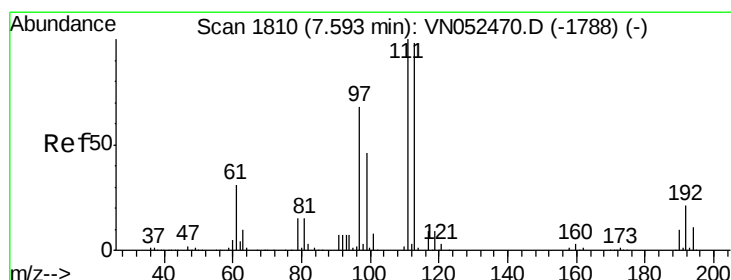
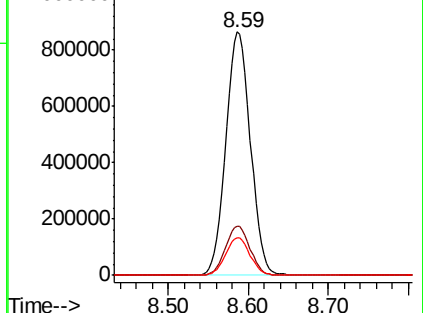
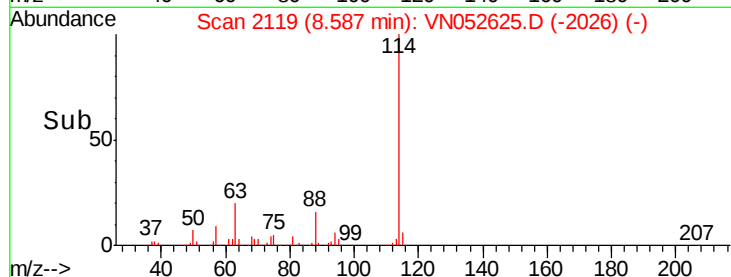
88 15.6 0.0 31.6



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# 1810

Delta R.T. -0.00 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

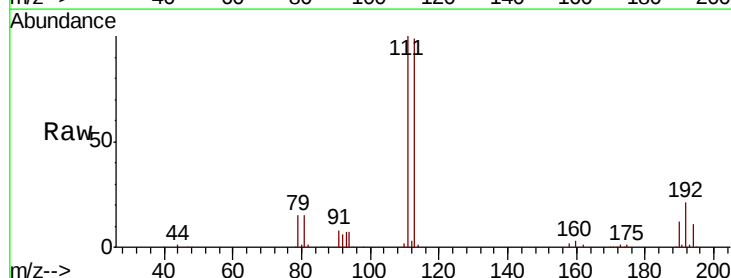
Tgt Ion:113 Resp: 556846

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

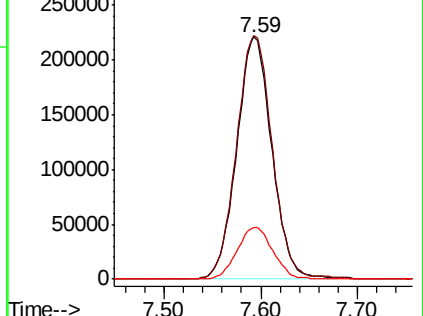
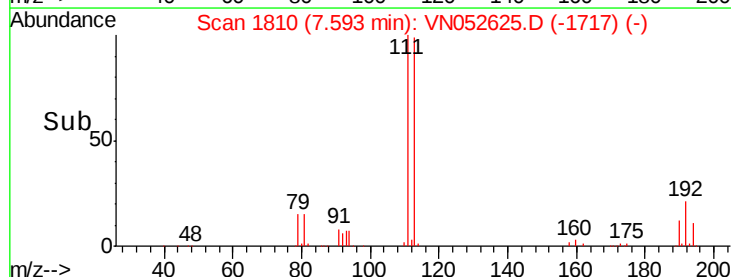
192 21.8 17.0 25.6

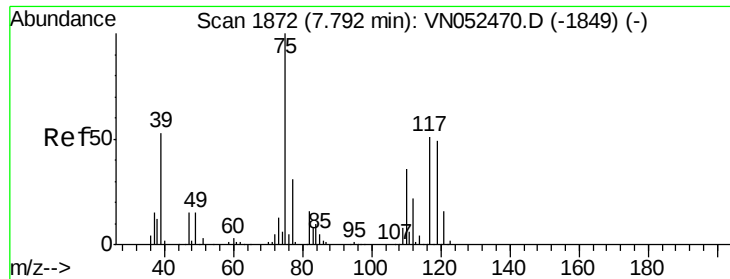


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.658 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

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ClientSampleId :

PB115231ZHE#02

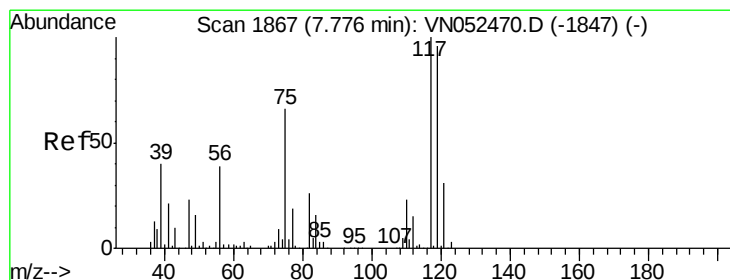
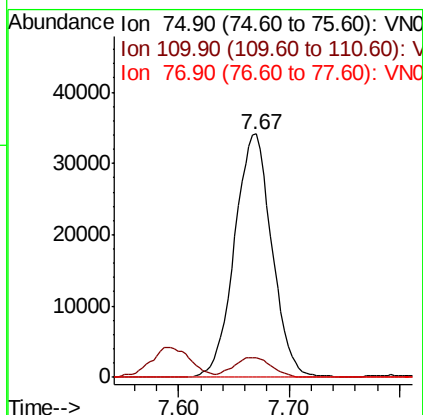
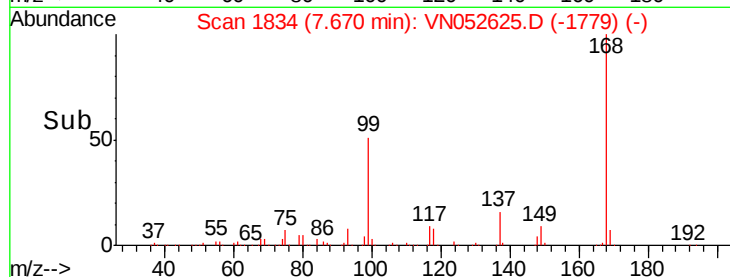
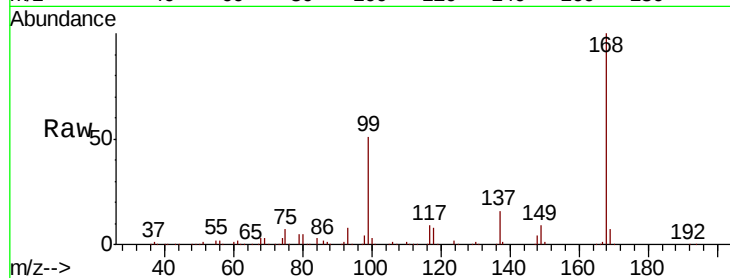
Tot Ion: 75 Resp: 79913

Ion Ratio Lower Upper

75 100

110 8.3 17.5 52.6#

77 0.0 24.5 36.7#



#38

Carbon Tetrachloride

Concen: 6.687 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

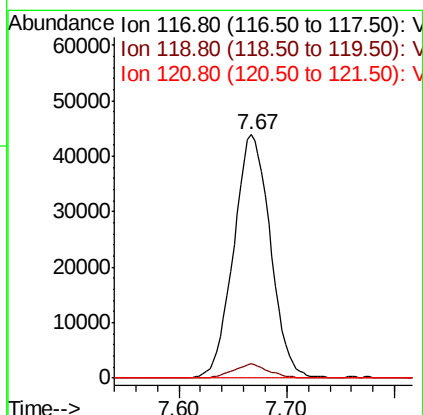
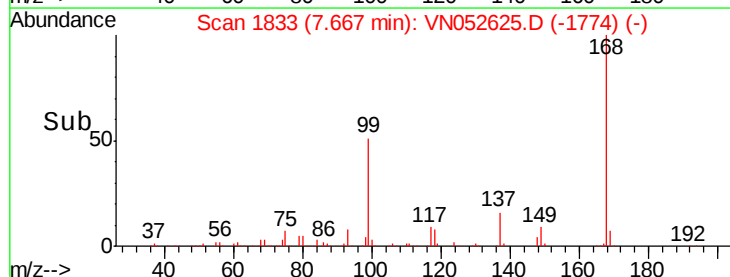
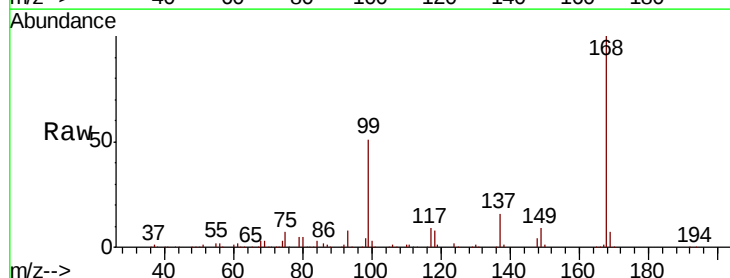
Tgt Ion: 117 Resp: 103864

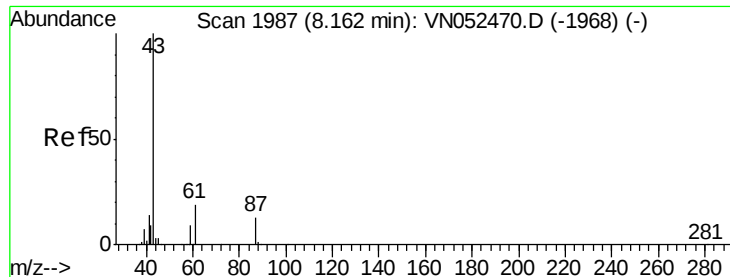
Ion Ratio Lower Upper

117 100

119 5.7 76.8 115.2#

121 0.0 24.9 37.3#





#43

Isopropyl Acetate

Concen: 3.046 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

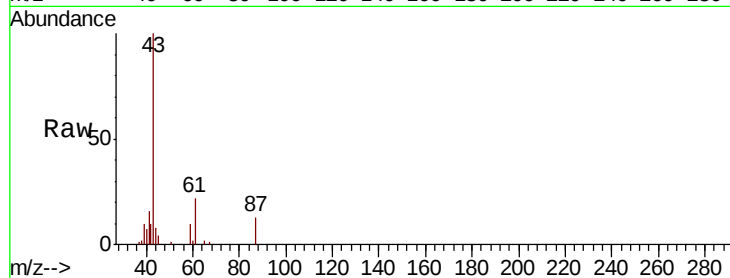
Tot Ion: 43 Resp: 53975

Ion Ratio Lower Upper

43 100

61 17.7 24.1 36.1#

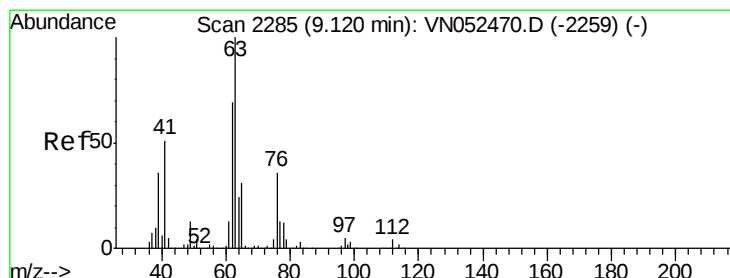
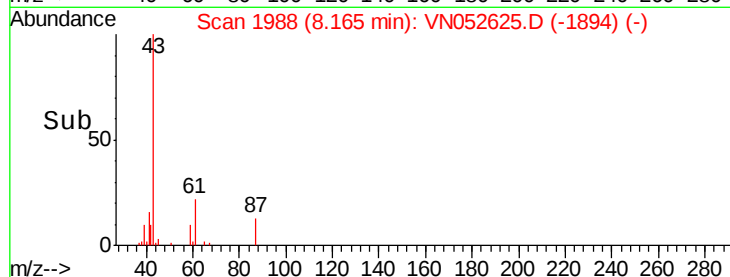
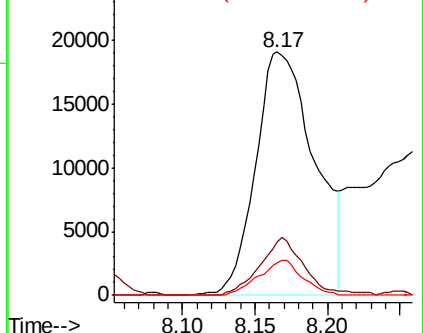
87 10.6 10.6 15.8



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



#45

1,2-Dichloropropane

Concen: 0.257 ug/l

RT: 9.27 min Scan# 2332

Delta R.T. 0.15 min

Lab File: VN052625.D

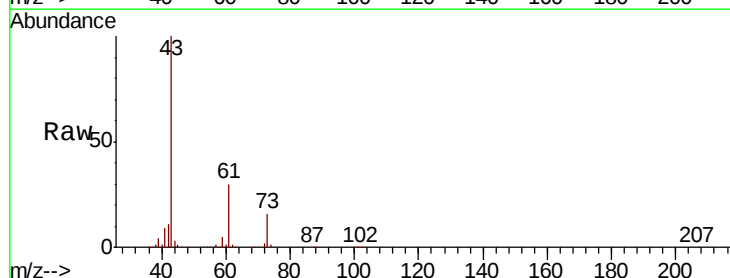
Acq: 3 Dec 2018 12:14

Tgt Ion: 63 Resp: 3495

Ion Ratio Lower Upper

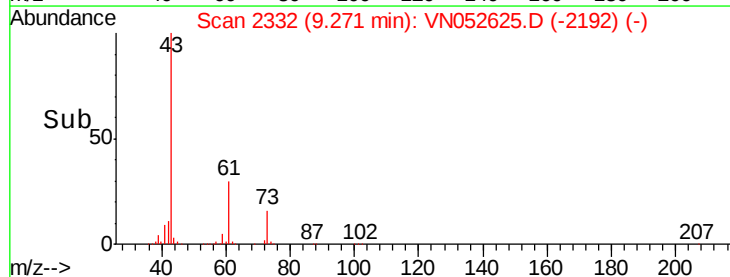
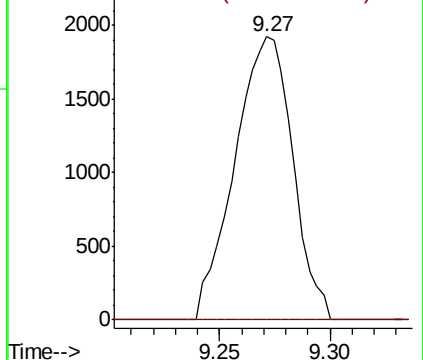
63 100

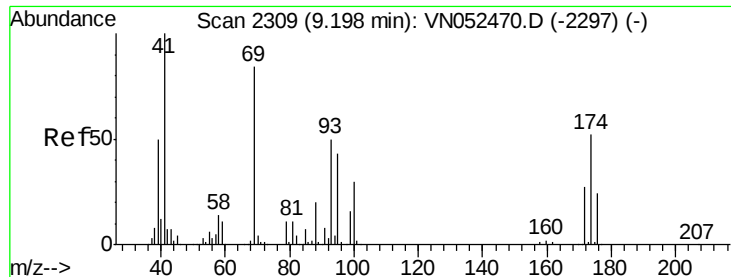
65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

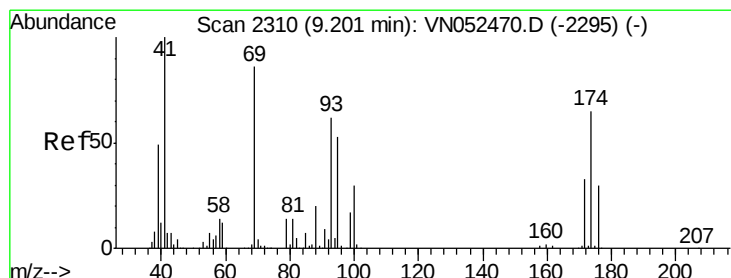
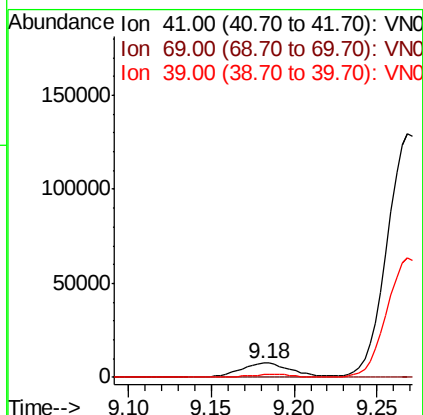
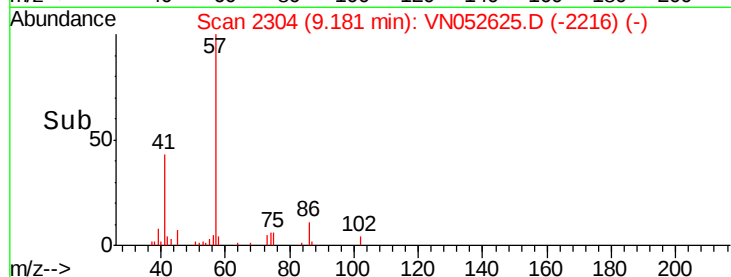
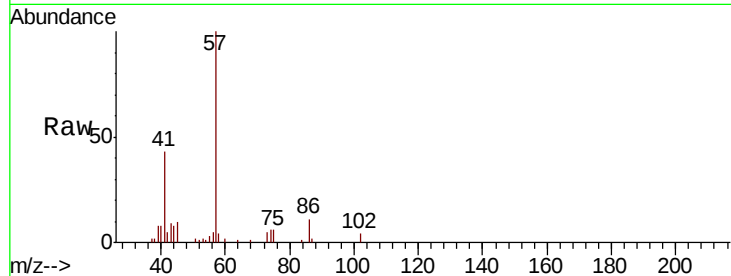




#48
Methvl methacrylate
Concen: 1.779 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

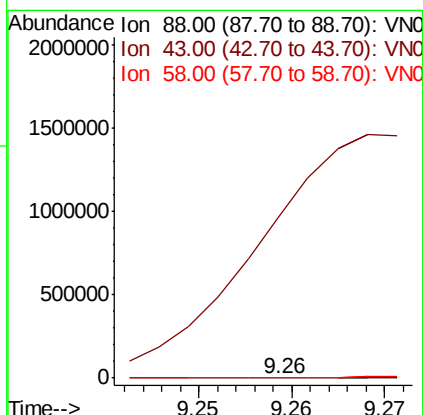
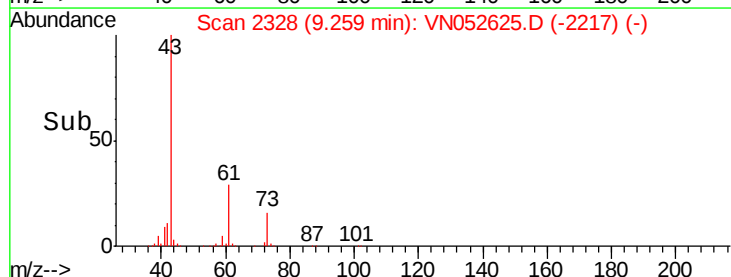
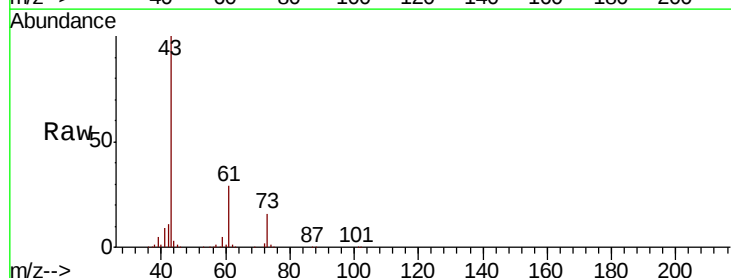
Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#02

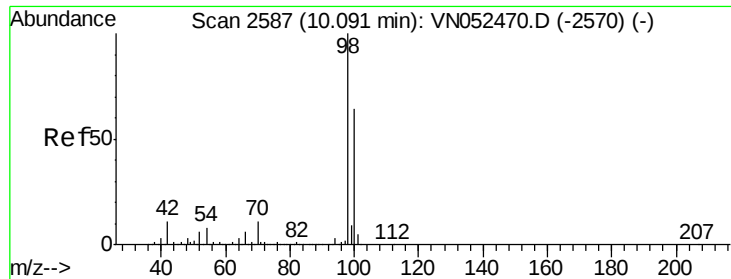
Tot Ion: 41 Resp: 16438
Ion Ratio Lower Upper
41 100
69 0.0 70.0 105.0#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 1.502 ug/l
RT: 9.26 min Scan# 2328
Delta R.T. 0.06 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

Tgt Ion: 88 Resp: 144
Ion Ratio Lower Upper
88 100
43 0.0 26.4 39.6#
58 0.0 55.4 83.0#





#50

Toluene-d8

Concen: 1.502 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

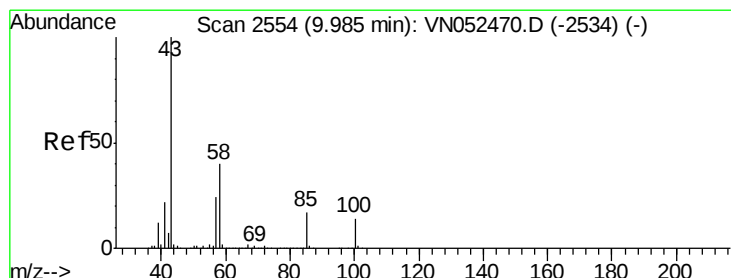
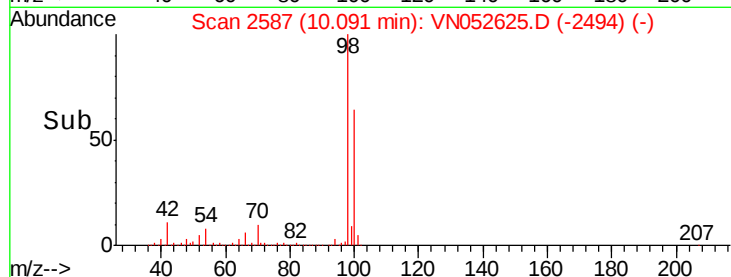
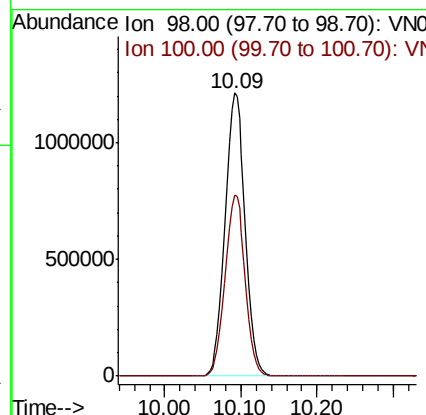
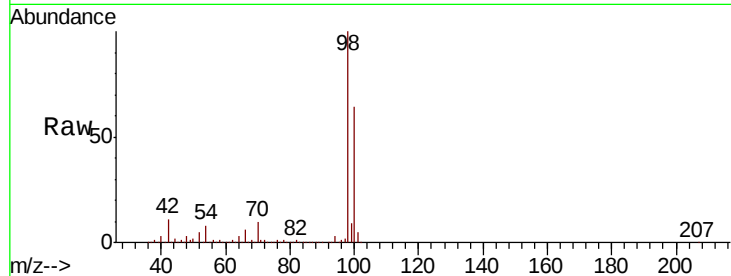
PB115231ZHE#02

Tot Ion: 98 Resp: 2220535

Ion Ratio Lower Upper

98 100

100 64.1 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 1.788 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052625.D

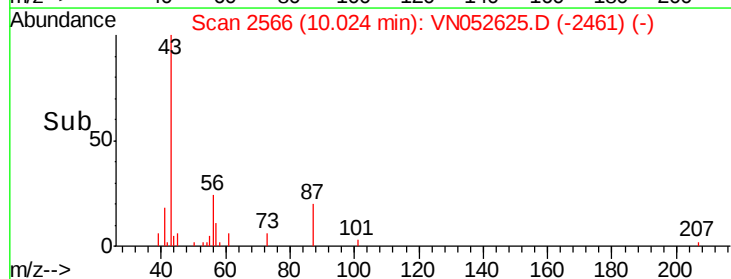
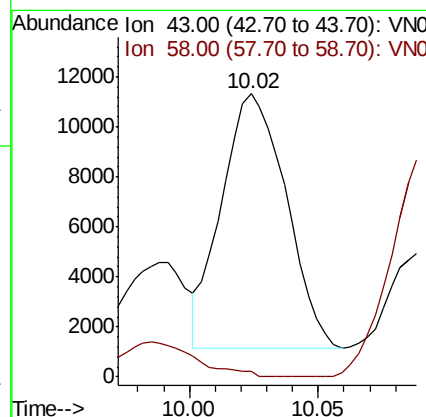
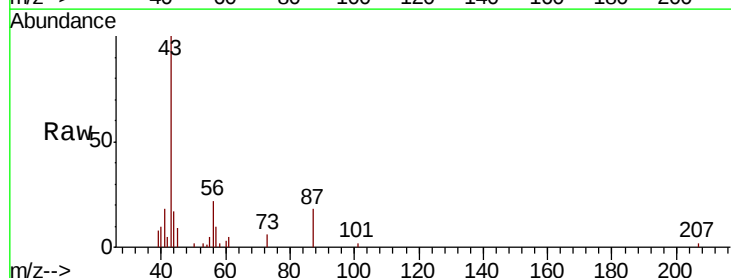
Acq: 3 Dec 2018 12:14

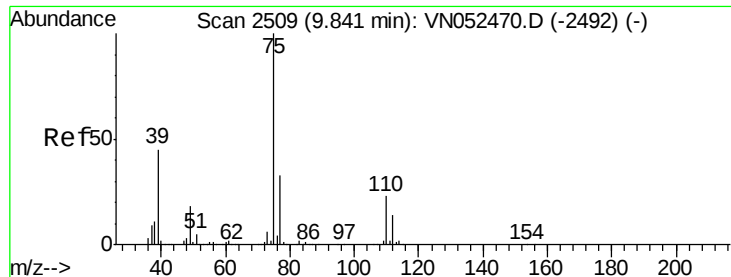
Tgt Ion: 43 Resp: 17778

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#





#54

cis-1,3-Dichloropropene

Concen: 6.747 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

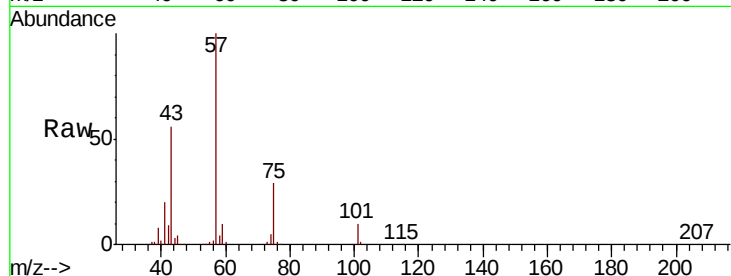
Tot Ion: 75 Resp: 127258

Ion Ratio Lower Upper

75 100

77 0.6 26.2 39.2#

39 28.9 36.0 54.0#

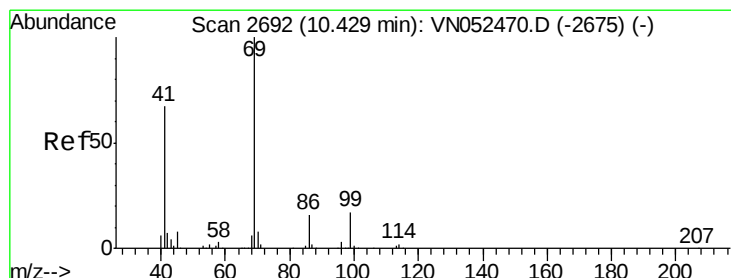
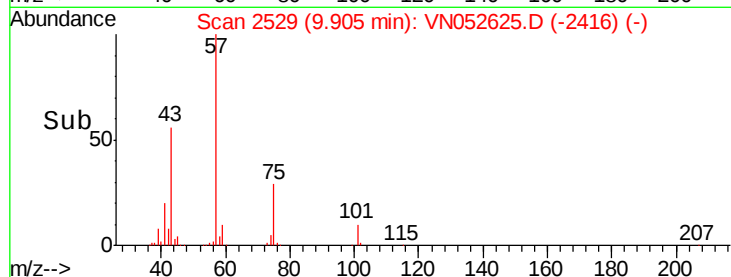
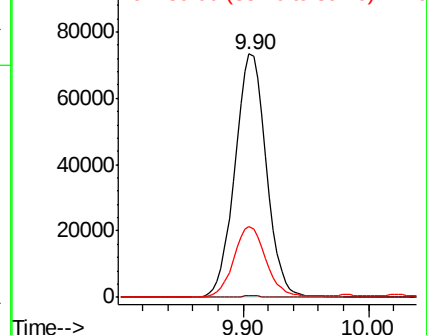


Abundance

Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO



#56

Ethyl methacrylate

Concen: 2.788 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

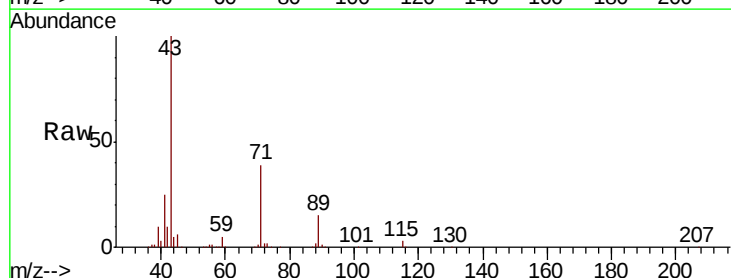
Tgt Ion: 69 Resp: 1484

Ion Ratio Lower Upper

69 100

41 6694.3 52.6 79.0#

39 2686.5 25.9 38.9#

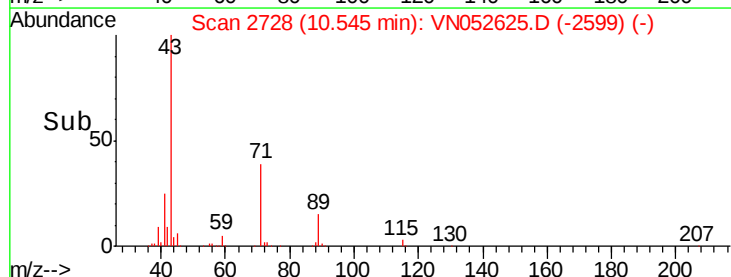
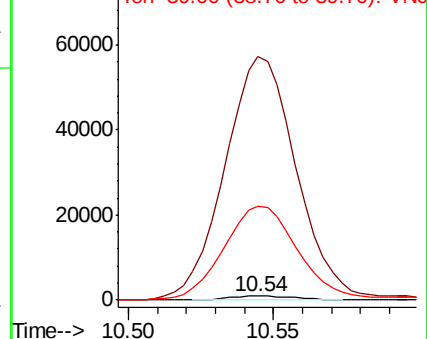


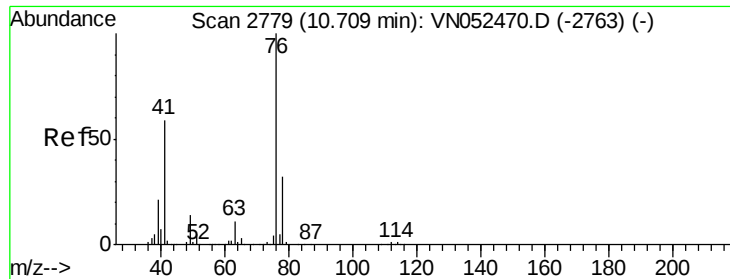
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

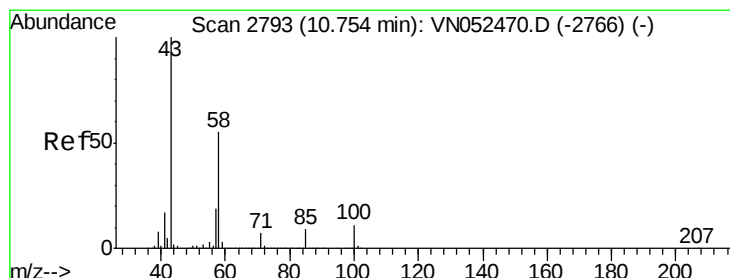
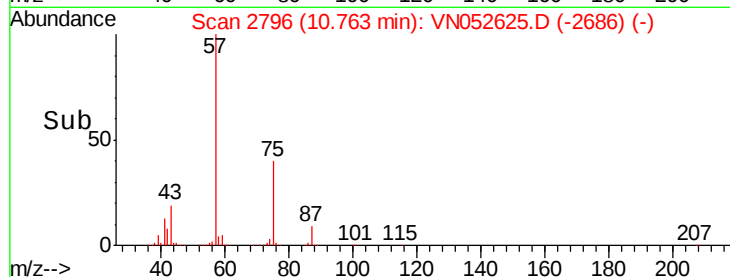
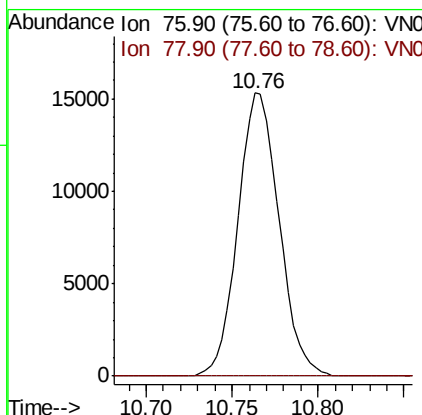
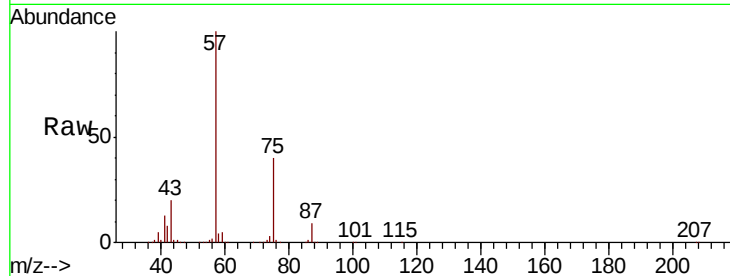




#57
 1,3-Dichloropropane
 Concen: 1.347 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

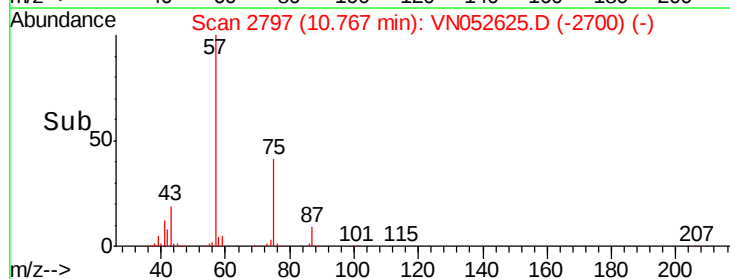
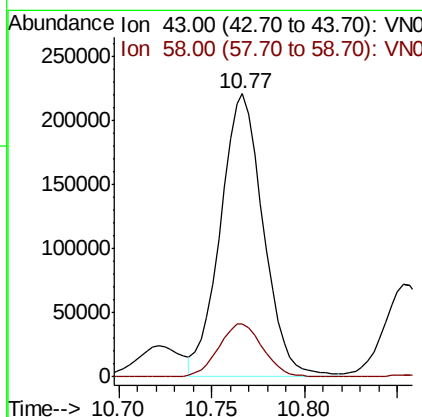
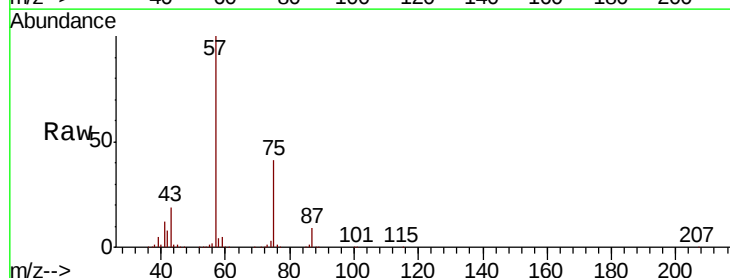
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#02

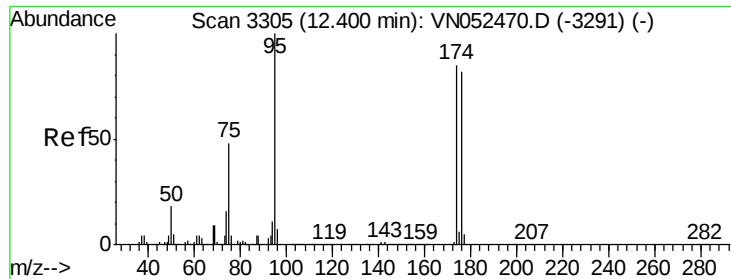
Tot Ion: 76 Resp: 25420
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#



#59
 2-Hexanone
 Concen: 52.891 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

Tgt Ion: 43 Resp: 352924
 Ion Ratio Lower Upper
 43 100
 58 19.6 27.4 82.0#

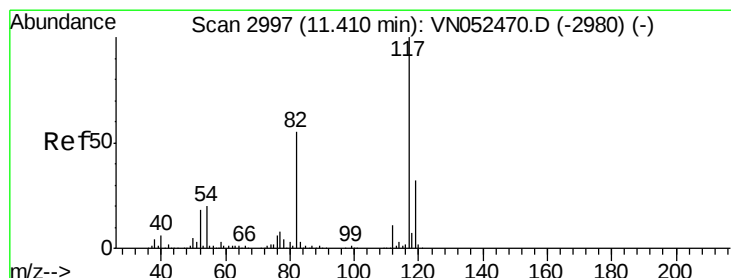
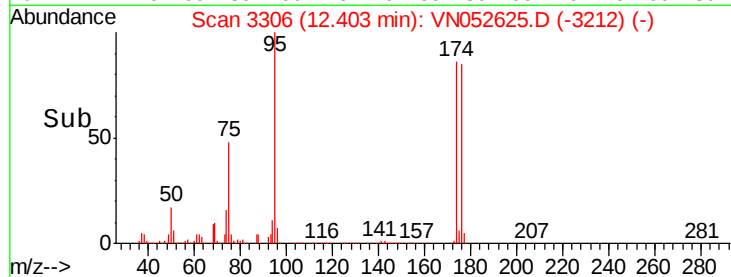
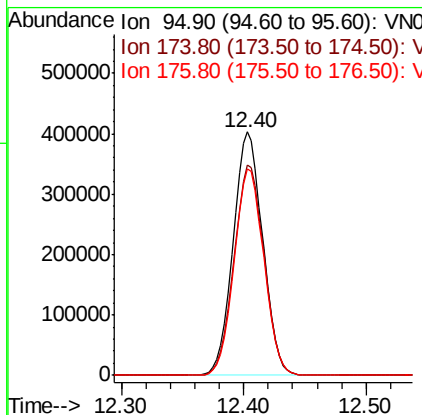
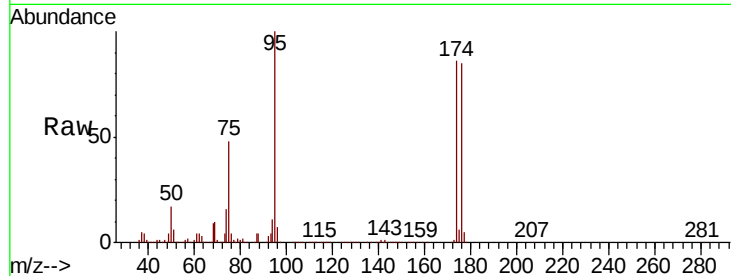




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

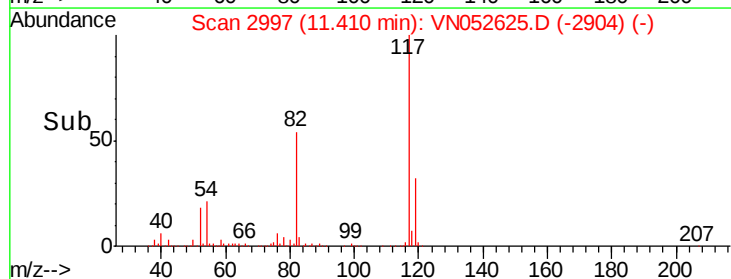
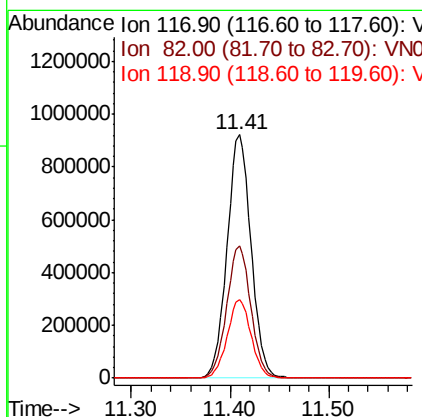
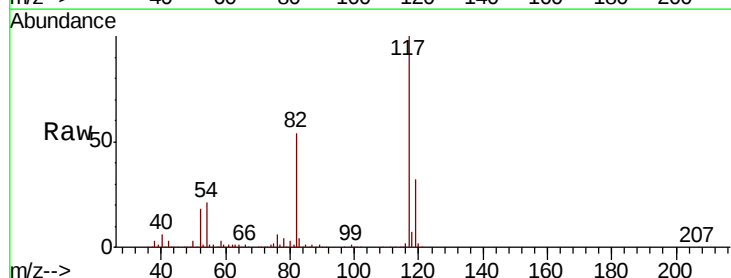
Instrument :
MSVOA_N
ClientSampleId :
PB115231ZHE#02

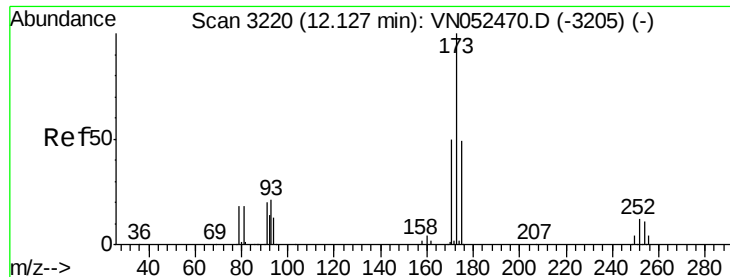
Tot Ion: 95 Resp: 675891
Ion Ratio Lower Upper
95 100
174 87.9 0.0 173.0
176 85.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052625.D
Acq: 3 Dec 2018 12:14

Tgt Ion: 117 Resp: 1572665
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.3 25.4 38.2





#71

Bromoform

Concen: 0.519 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

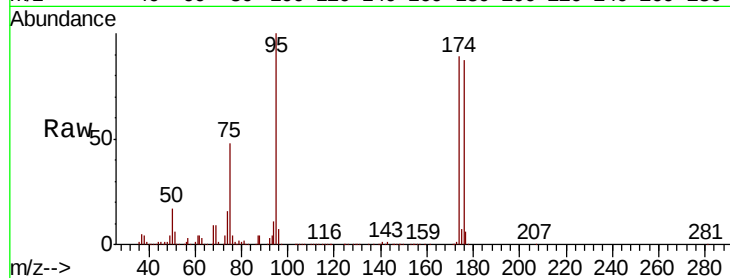
Tot Ion:173 Resp: 3875

Ion Ratio Lower Upper

173 100

175 924.4 24.4 73.2#

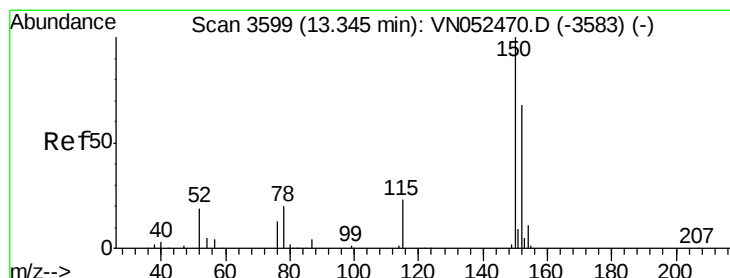
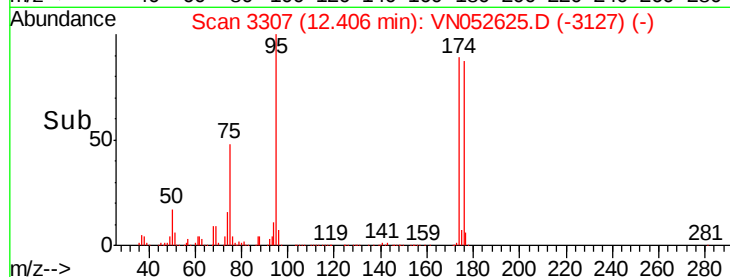
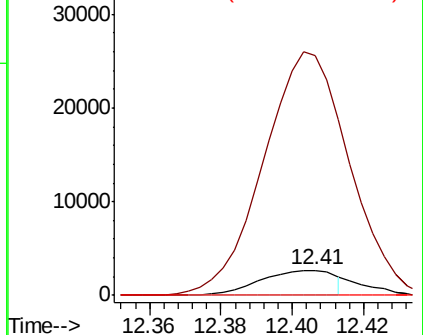
254 0.0 0.1 0.1#



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: VN052625.D

Acq: 3 Dec 2018 12:14

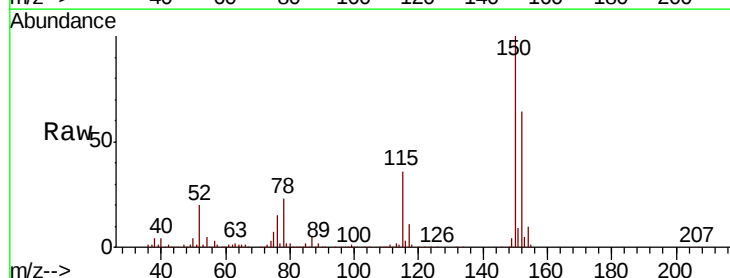
Tgt Ion:152 Resp: 557278

Ion Ratio Lower Upper

152 100

115 56.5 28.4 85.2

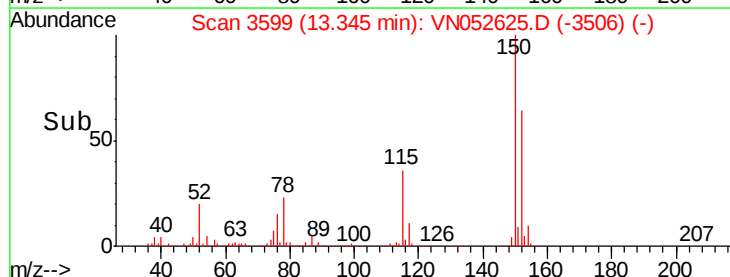
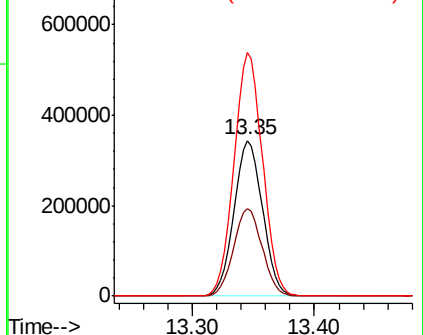
150 156.4 0.0 346.0

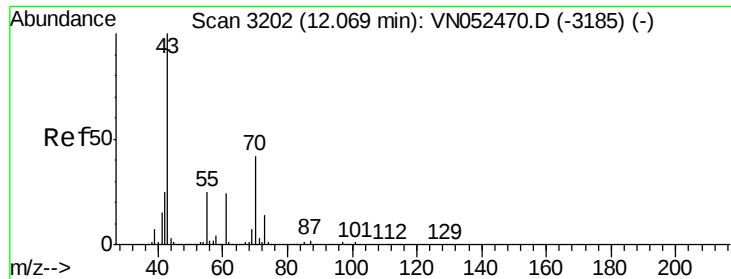


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.660 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052625.D

Acq: 3 Dec 2018 12:14

Instrument :

MSVOA_N

ClientSampleId :

PB115231ZHE#02

Tot Ion: 43 Resp: 40427

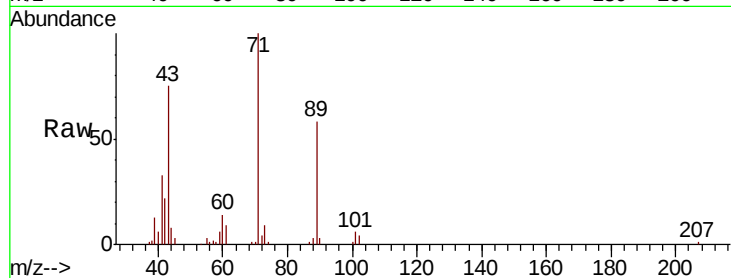
Ion Ratio Lower Upper

43 100

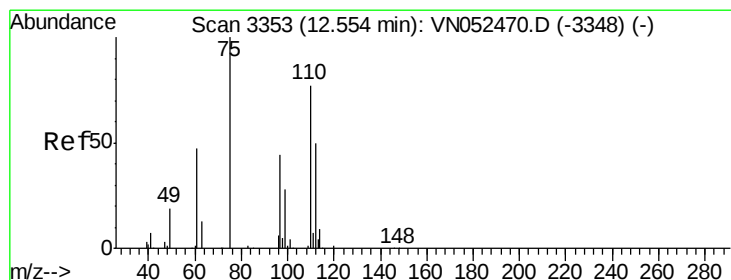
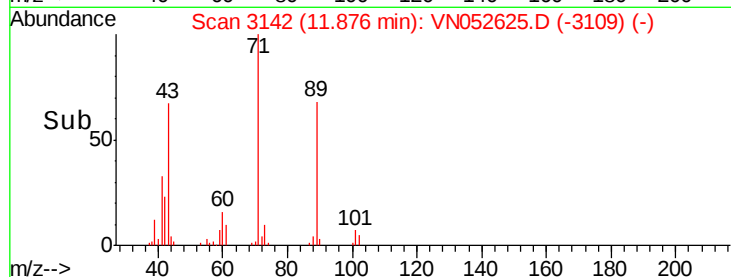
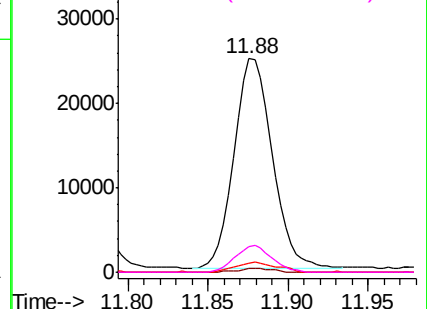
70 1.7 33.8 50.8#

55 5.2 20.0 30.0#

61 12.1 19.7 29.5#



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: 37.706 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052625.D

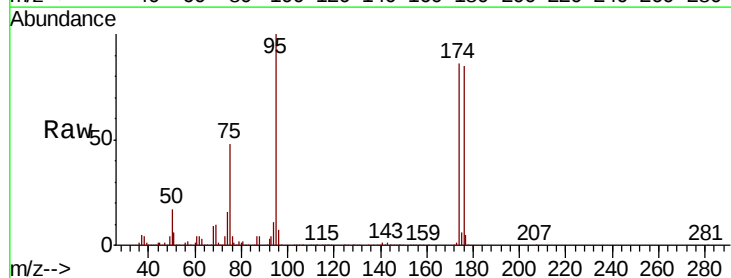
Acq: 3 Dec 2018 12:14

Tgt Ion: 75 Resp: 324026

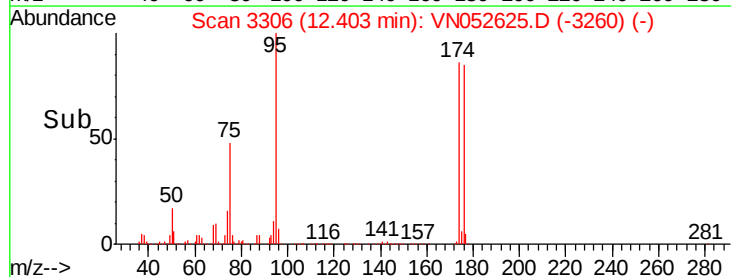
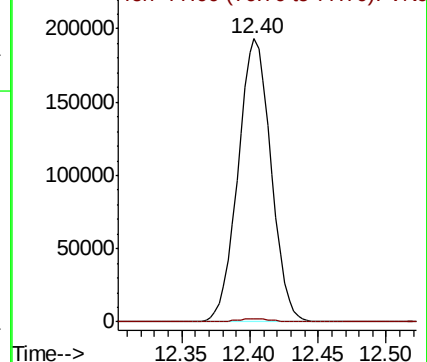
Ion Ratio Lower Upper

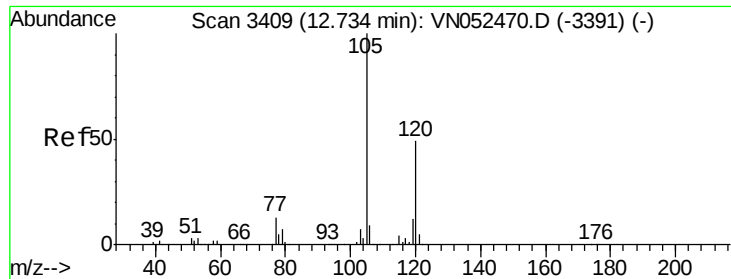
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

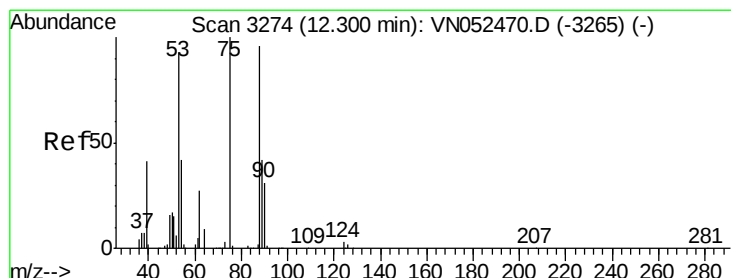
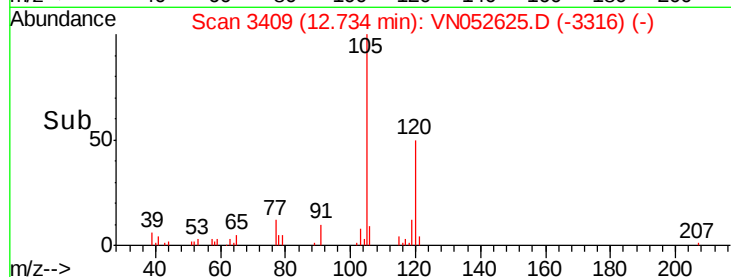
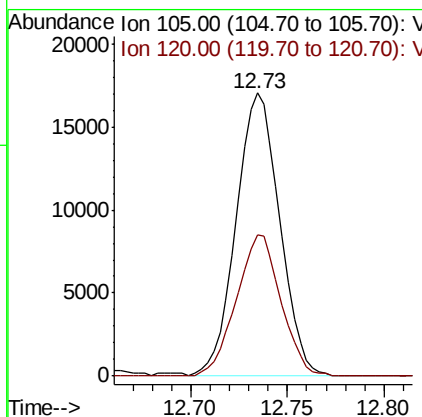
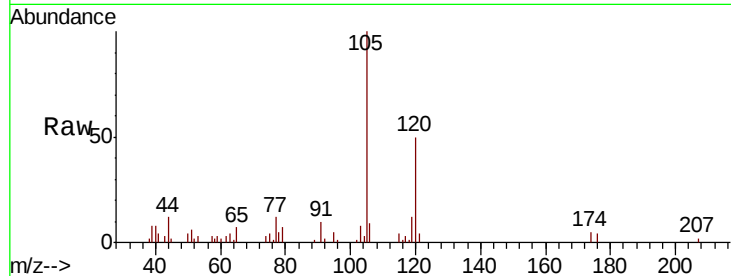




#80
 1,3,5-Trimethylbenzene
 Concen: 0.764 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

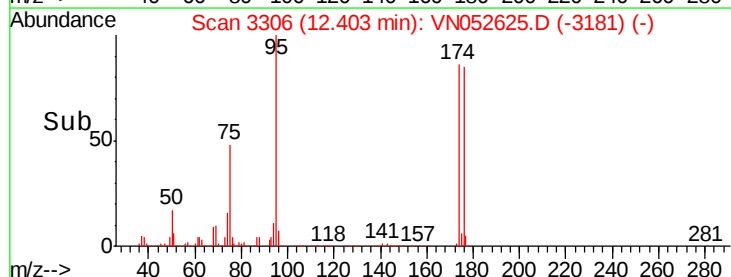
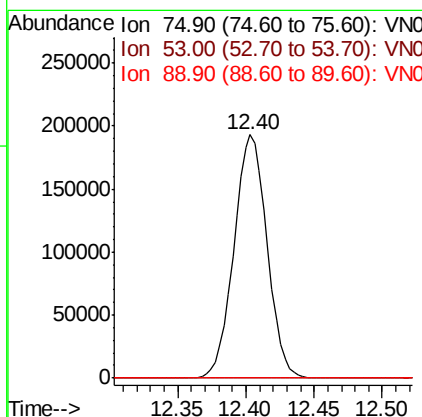
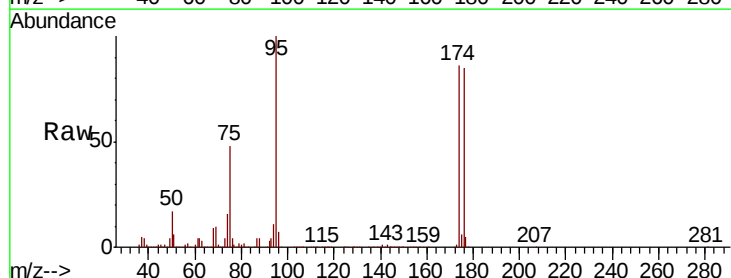
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#02

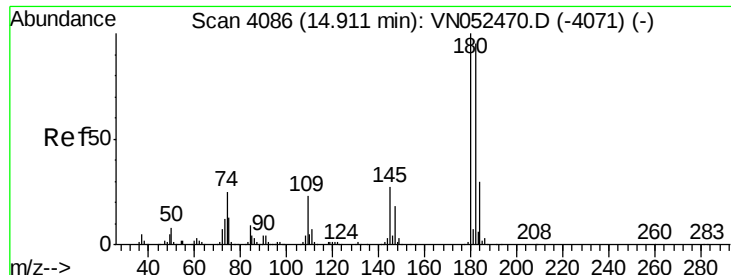
Tot Ion:105 Resp: 26656
 Ion Ratio Lower Upper
 105 100
 120 51.1 24.3 73.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.920 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

Tgt Ion: 75 Resp: 324026
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.4 116.0#
 89 0.0 35.4 53.2#

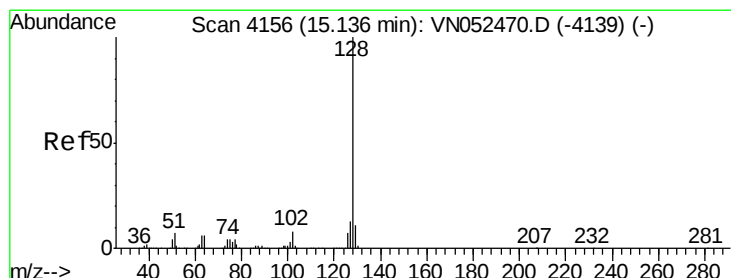
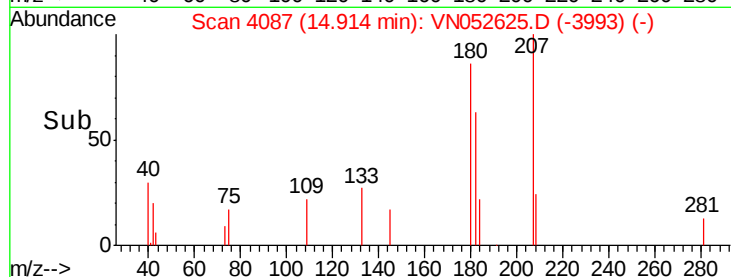
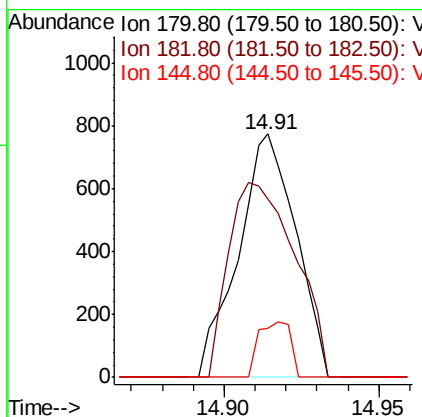
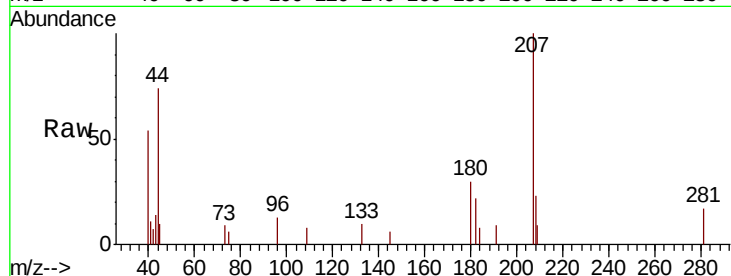




#93
 1,2,4-Trichlorobenzene
 Concen: 2.925 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

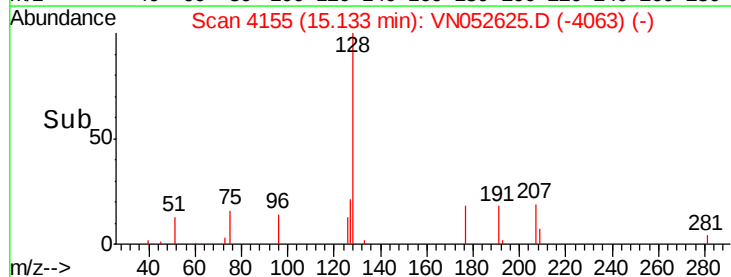
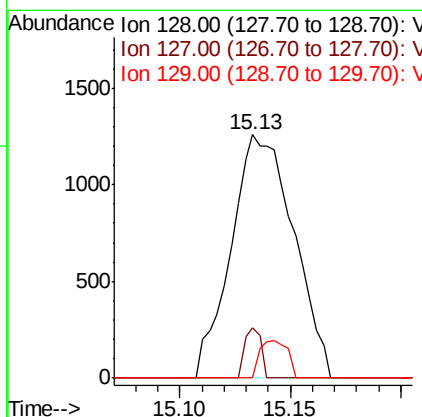
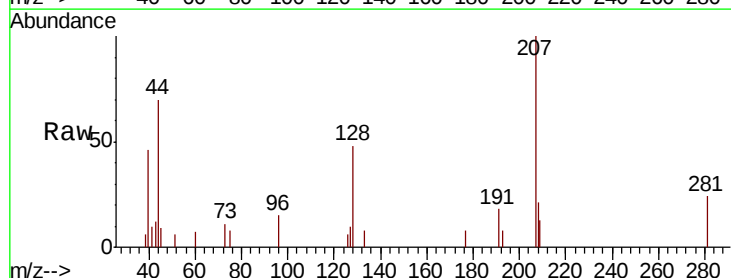
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#02

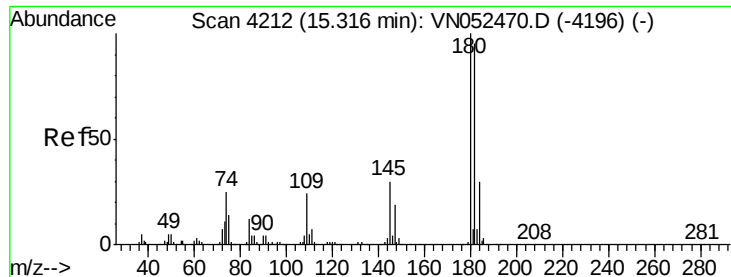
Tot Ion:180 Resp: 1005
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.8 143.4
 145 12.5 14.1 42.3#



#95
 Naphthalene
 Concen: 3.538 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

Tgt Ion:128 Resp: 2474
 Ion Ratio Lower Upper
 128 100
 127 5.5 10.2 15.2#
 129 6.7 8.7 13.1#

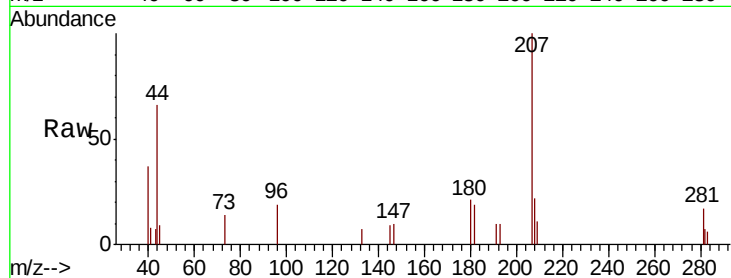




#96
 1,2,3-Trichlorobenzene
 Concen: 2.828 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052625.D
 Acq: 3 Dec 2018 12:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115231ZHE#02

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	34.1	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

