

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111918\
 Data File : VN052387.D
 Acq On : 19 Nov 2018 16:13
 Operator : MD\SY
 Sample : PB114846ZHE#03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846ZHE#03

Quant Time: Nov 20 07:12:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	486825	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	422382	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144939	50.00	ug/l	0.00

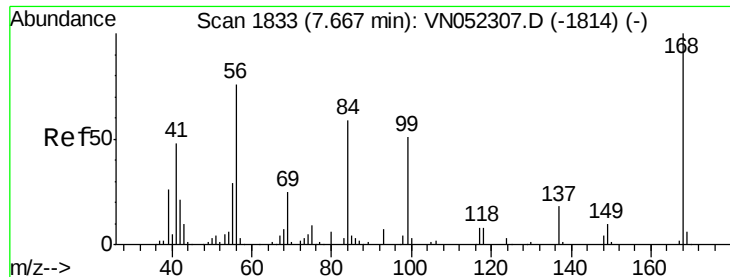
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	215035	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	160915	51.25	ug/l	0.00
Spiked Amount			Recovery	=	102.50%	
50) Toluene-d8	10.09	98	619081	50.12	ug/l	0.00
Spiked Amount			Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.40	95	181907	44.77	ug/l	0.00
Spiked Amount			Recovery	=	89.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.87	56	31	21.857	ug/l #	14
16) Acetone	3.82	43	4665	4.150	ug/l #	87
18) Methyl Acetate	4.33	43	467	0.579	ug/l #	57
20) Methylene Chloride	4.56	84	6491	1.215	ug/l #	87
29) Tetrahydrofuran	7.20	42	267	0.257	ug/l #	40
31) Cyclohexane	7.66	56	9089	0.413	ug/l #	43
36) 1,1-Dichloropropene	7.67	75	27783	5.694	ug/l #	51
38) Carbon Tetrachloride	7.66	117	30750	6.859	ug/l #	15
41) Methacrylonitrile	7.20	41	92	3.739	ug/l #	100
43) Isopropyl Acetate	8.16	43	16349	2.393	ug/l	97
45) 1,2-Dichloropropane	9.27	63	1143	0.289	ug/l #	44
48) Methyl methacrylate	9.18	41	4951	1.428	ug/l #	41
51) 4-Methyl-2-Pentanone	10.02	43	5195	1.510	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	30485	5.642	ug/l #	74
57) 1,3-Dichloropropane	10.76	76	6369	1.189	ug/l #	43
59) 2-Hexanone	10.76	43	110086	46.529	ug/l #	55
74) N-amyl acetate	11.88	43	12086	2.912	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	103539	42.100	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	7867	0.849	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	103539	136.547	ug/l #	5

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

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

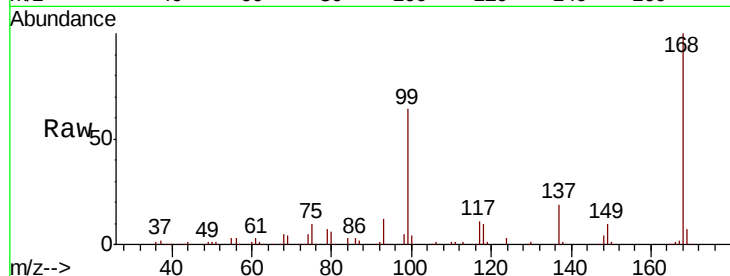
PB114846ZHE#03

Tot Ion:168 Resp: 289068

Ion Ratio Lower Upper

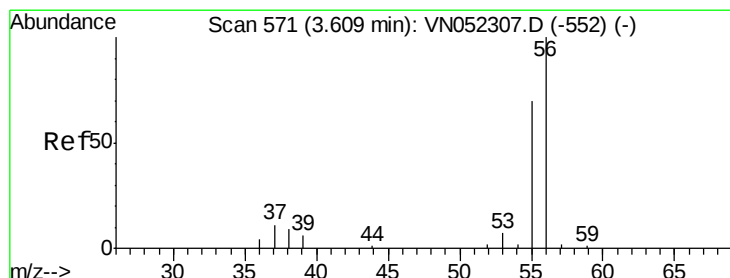
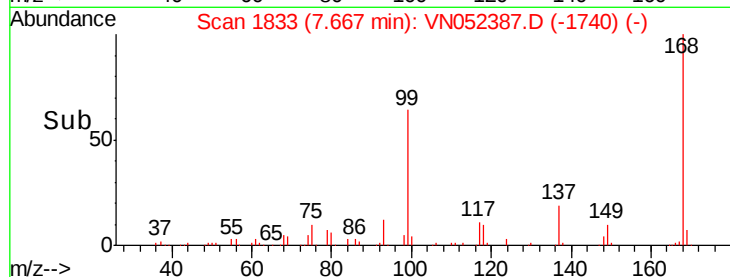
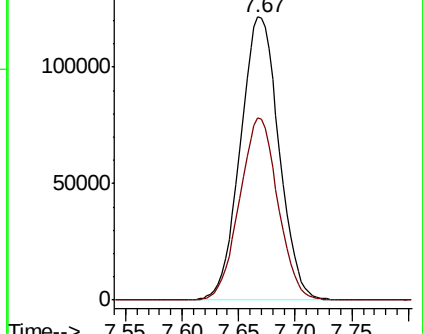
168 100

99 64.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#13

Acrolein

Concen: 21.857 ug/l

RT: 3.87 min Scan# 652

Delta R.T. 0.26 min

Lab File: VN052387.D

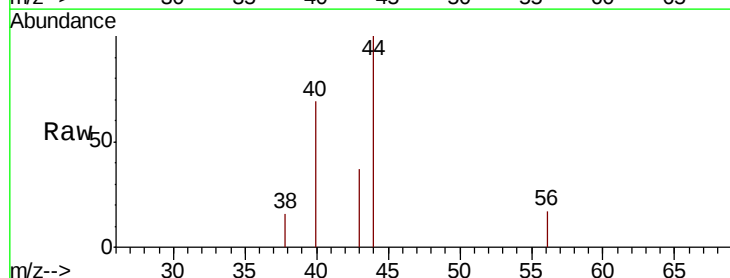
Acq: 19 Nov 2018 16:13

Tgt Ion: 56 Resp: 31

Ion Ratio Lower Upper

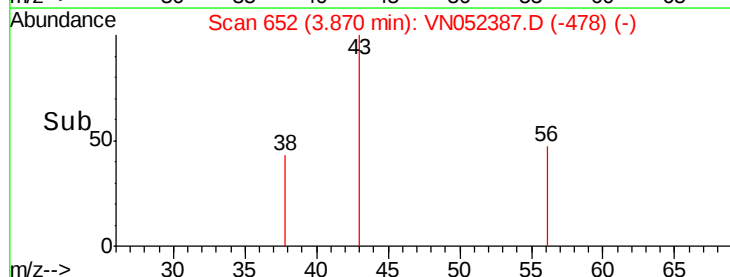
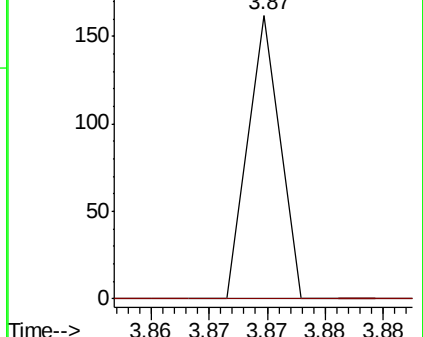
56 100

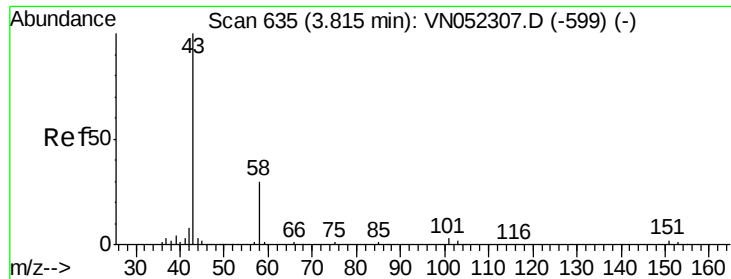
55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO





#16

Acetone

Concen: 4.150 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

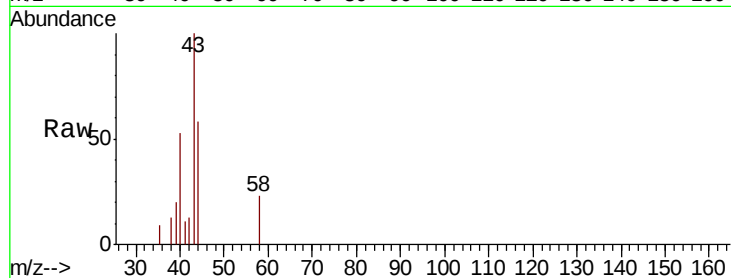
PB114846ZHE#03

Tot Ion: 43 Resp: 4665

Ion Ratio Lower Upper

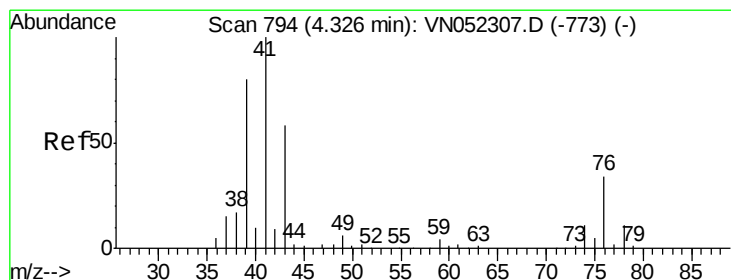
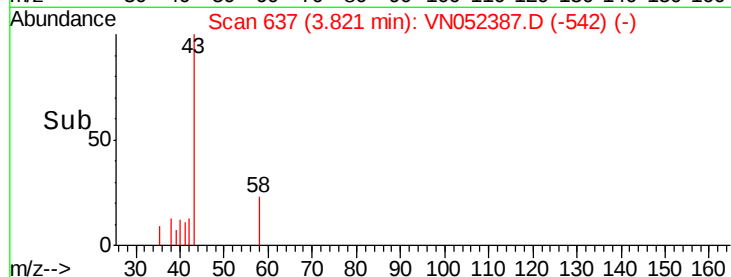
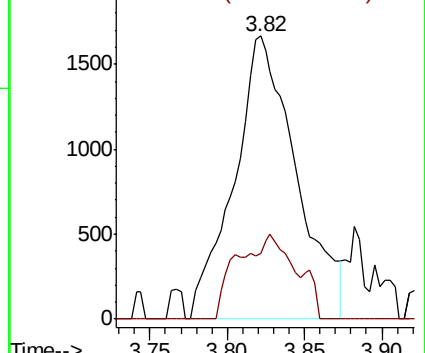
43 100

58 23.4 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.579 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052387.D

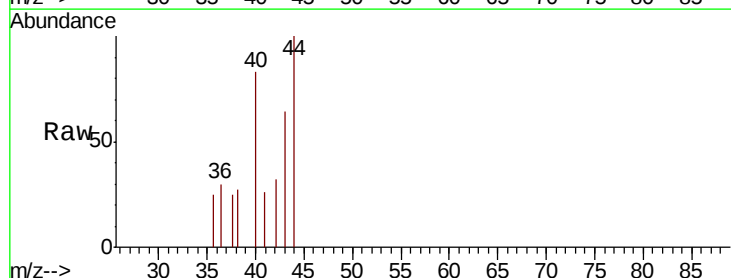
Acq: 19 Nov 2018 16:13

Tgt Ion: 43 Resp: 467

Ion Ratio Lower Upper

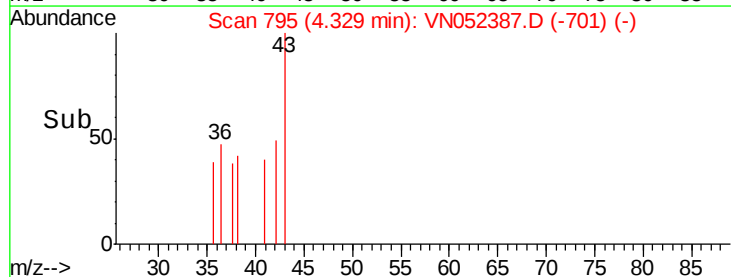
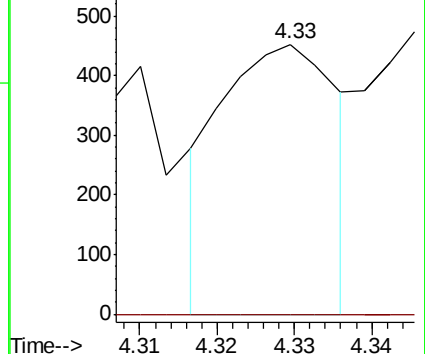
43 100

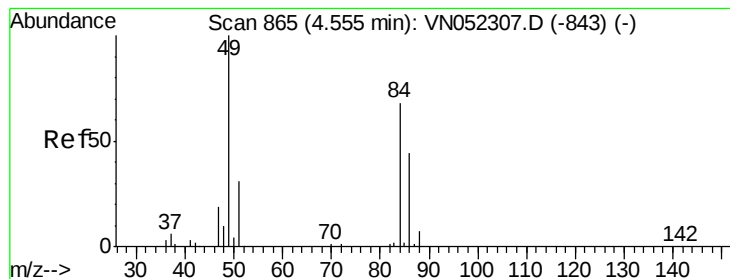
74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#20

Methvlene Chloride

Concen: 1.215 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB114846ZHE#03

Tot Ion: 84 Resp: 6491

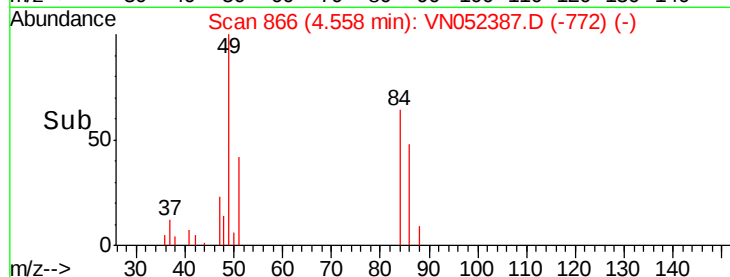
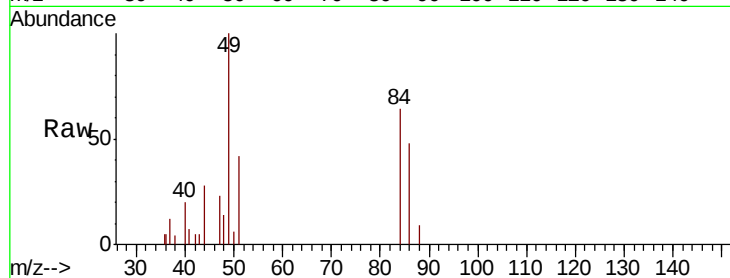
Ion Ratio Lower Upper

84 100

49 156.9 118.2 177.2

51 65.9 36.1 54.1#

86 74.8 51.6 77.4

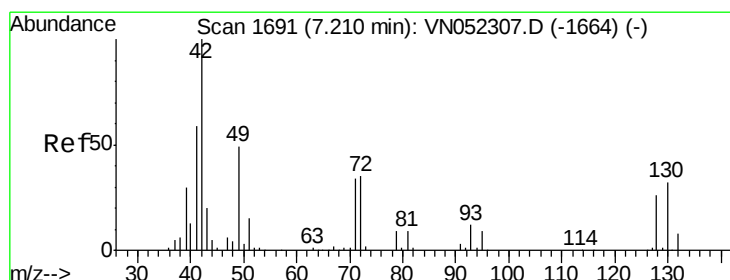
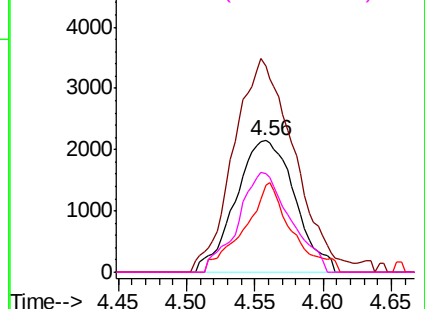


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

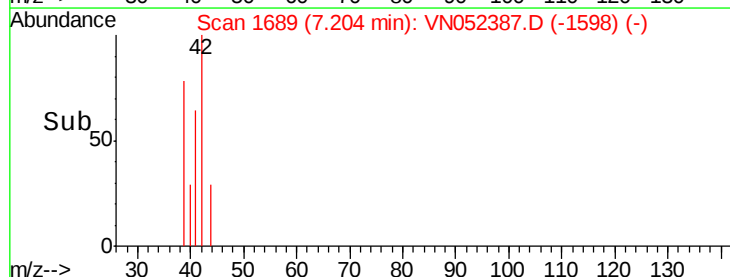
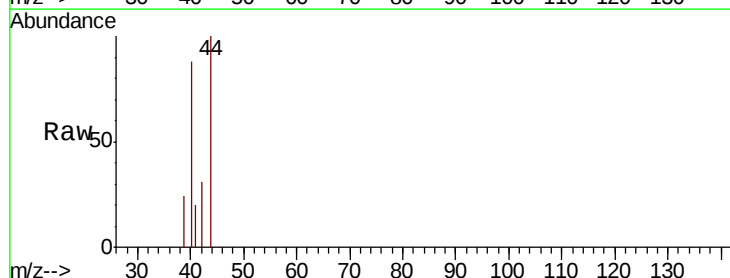
Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 28.6 42.8#

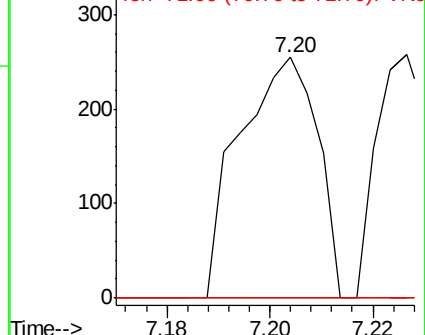
71 0.0 26.7 40.1#

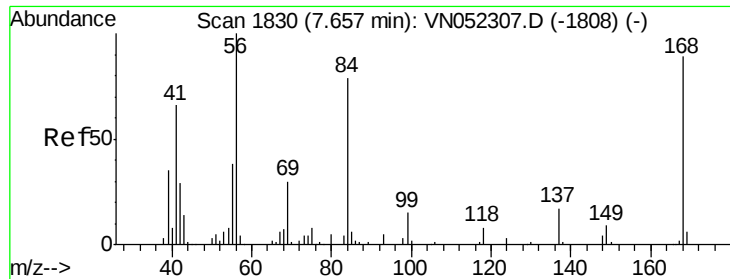


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

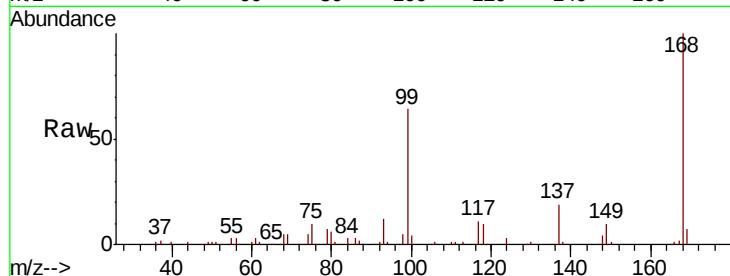




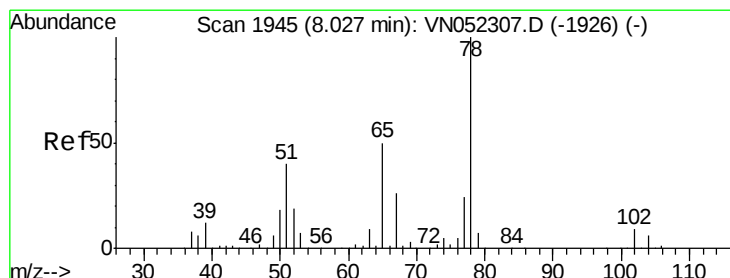
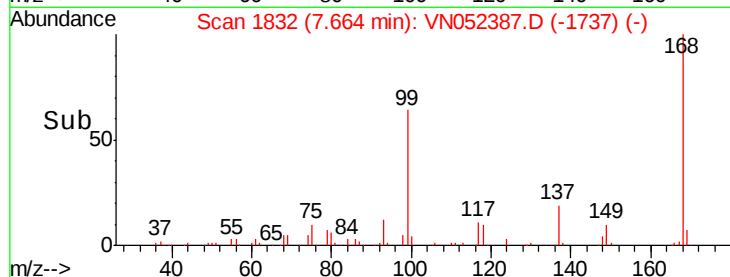
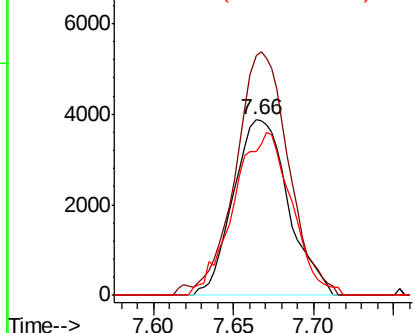
#31
Cyclohexane
Concen: 0.413 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :
PB114846ZHE#03

Tot Ion: 56 Resp: 9089
Ion Ratio Lower Upper
56 100
69 136.7 23.8 35.8#
84 81.8 63.0 94.6

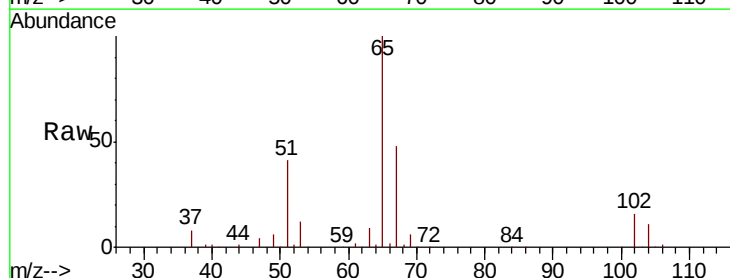


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

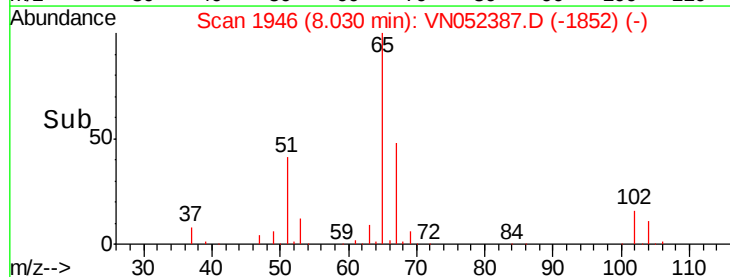
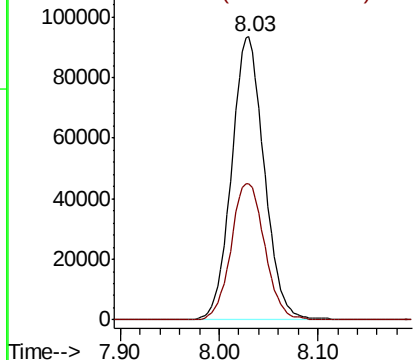


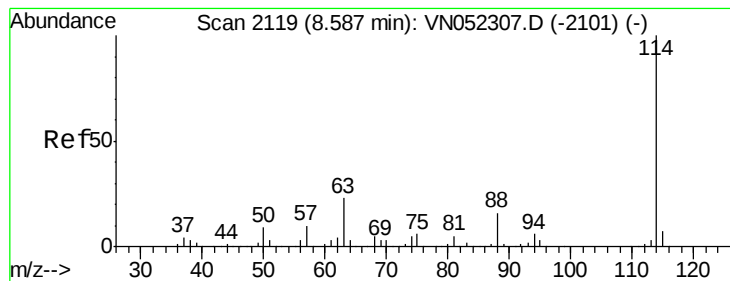
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

Tgt Ion: 65 Resp: 215035
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB114846ZHE#03

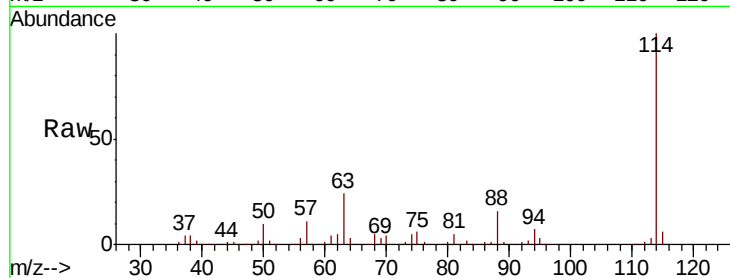
Tot Ion:114 Resp: 486825

Ion Ratio Lower Upper

114 100

63 24.1 0.0 45.4

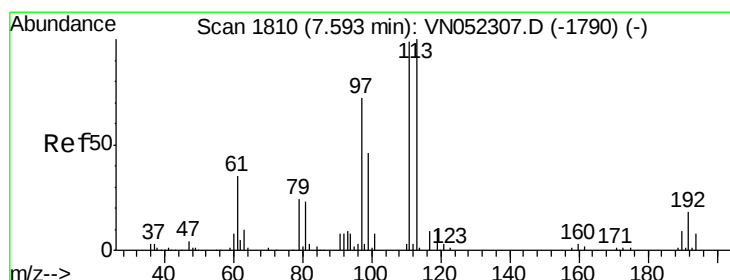
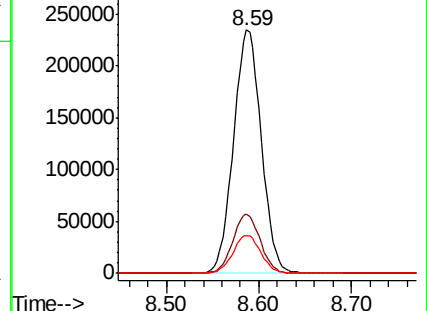
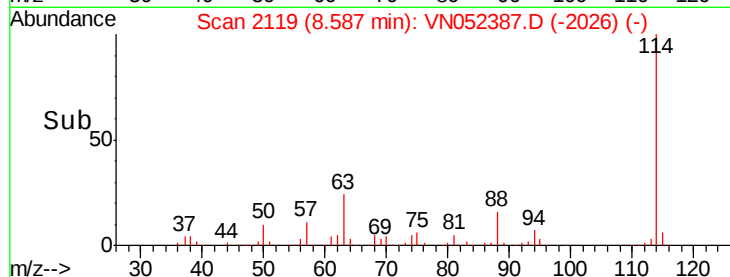
88 15.6 0.0 31.2



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: VN052387.D

Acq: 19 Nov 2018 16:13

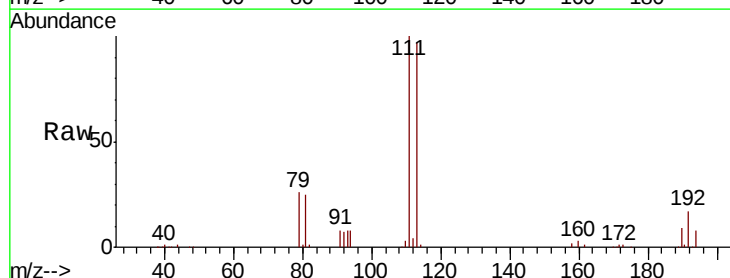
Tgt Ion:113 Resp: 160915

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

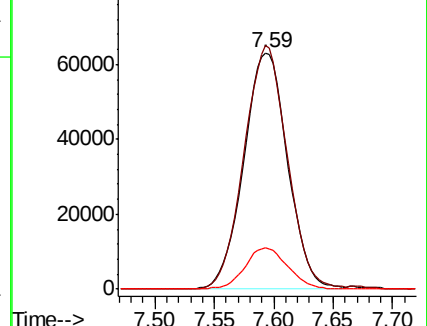
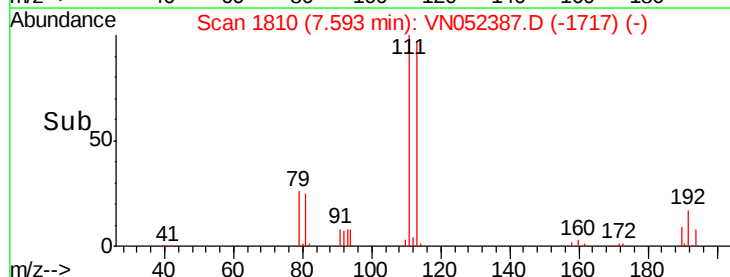
192 17.2 13.8 20.6

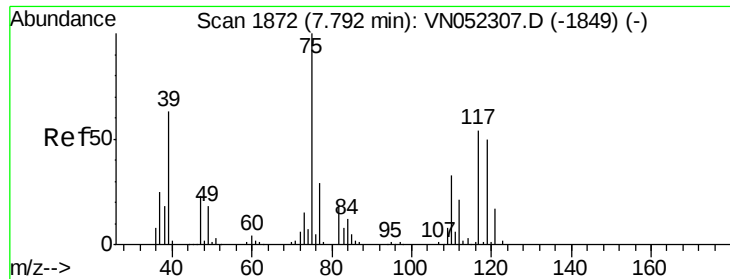


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

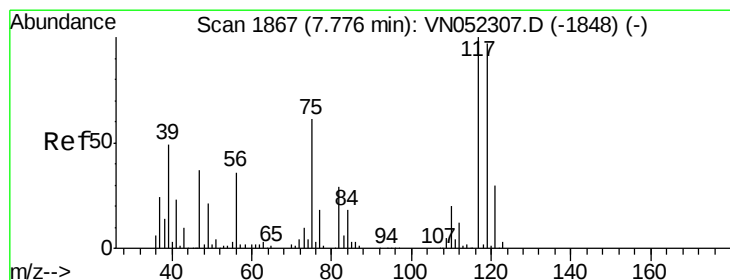
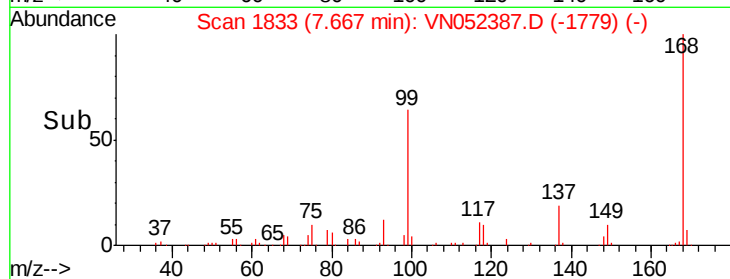
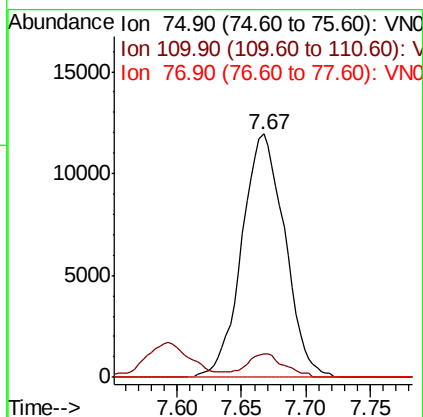
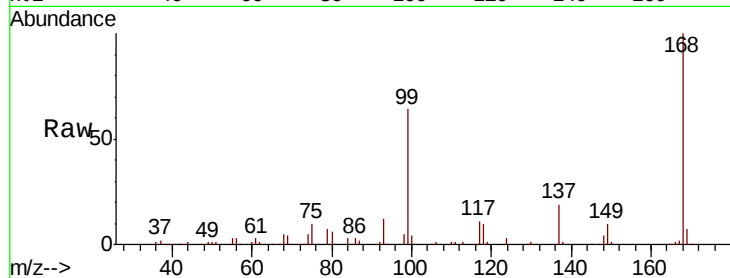




#36
 1,1-Dichloropropene
 Concen: 5.694 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

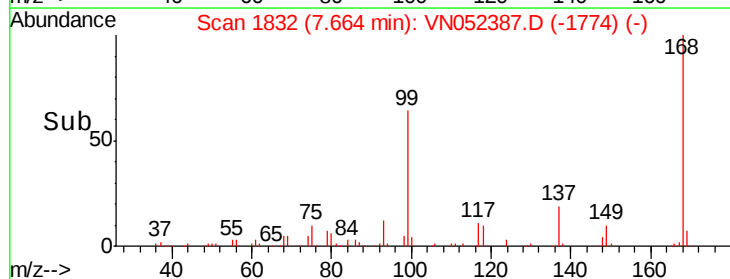
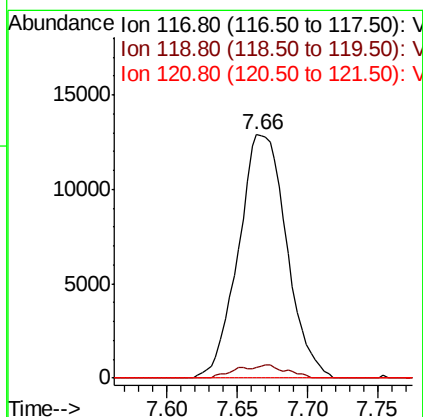
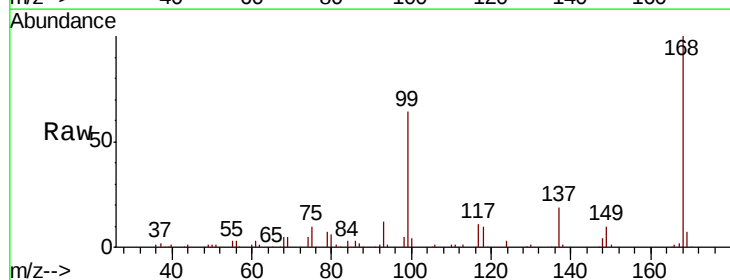
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846ZHE#03

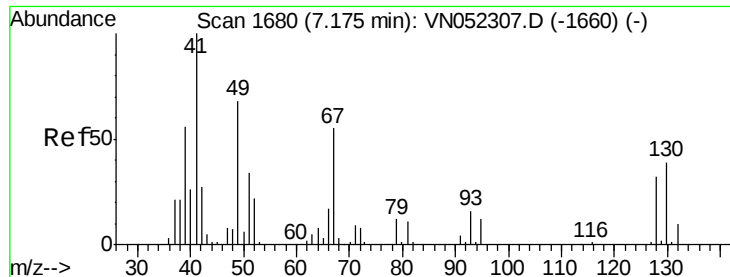
Tot Ion: 75 Resp: 27783
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.5 49.5#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 6.859 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

Tgt Ion: 117 Resp: 30750
 Ion Ratio Lower Upper
 117 100
 119 4.4 77.4 116.0#
 121 0.0 24.0 36.0#

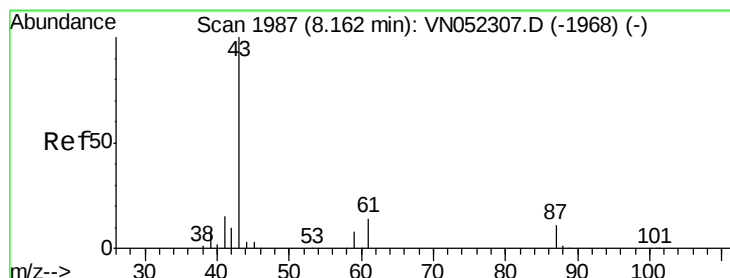
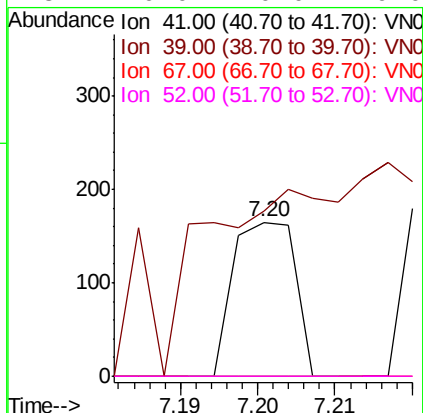
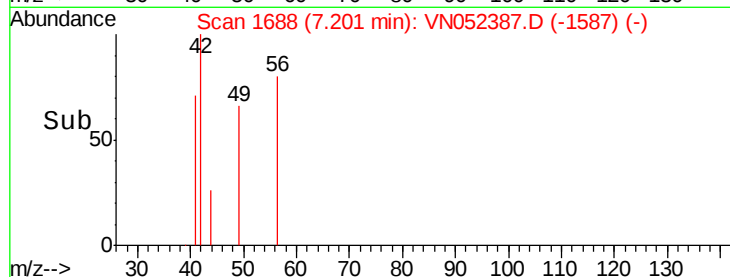
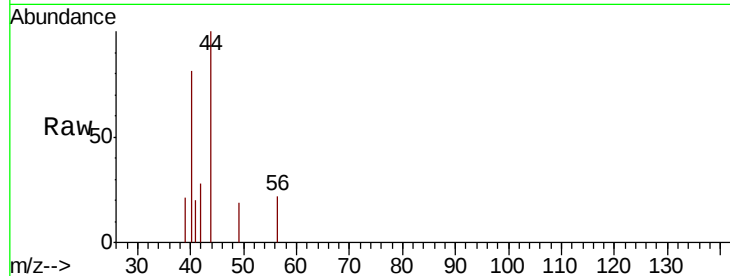




#41
Methacrylonitrile
Concen: 3.739 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.03 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

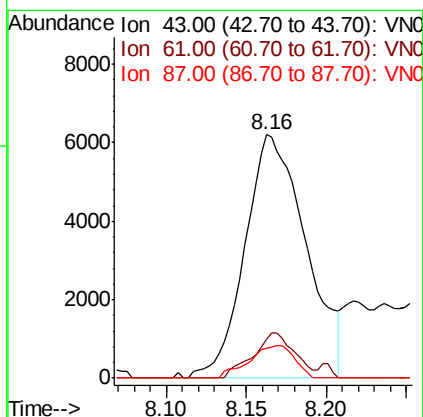
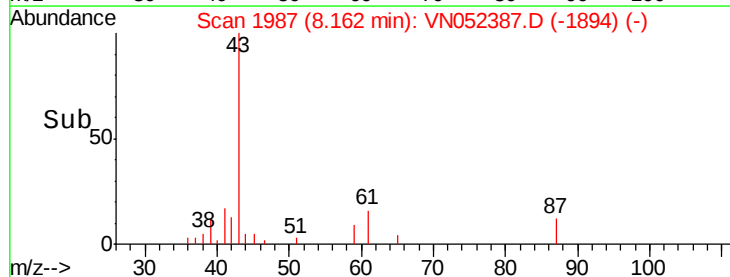
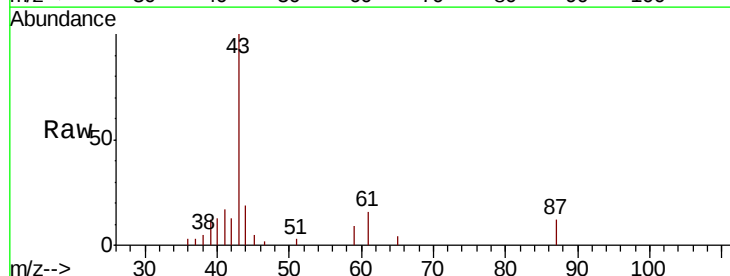
Instrument :
MSVOA_N
ClientSampleId :
PB114846ZHE#03

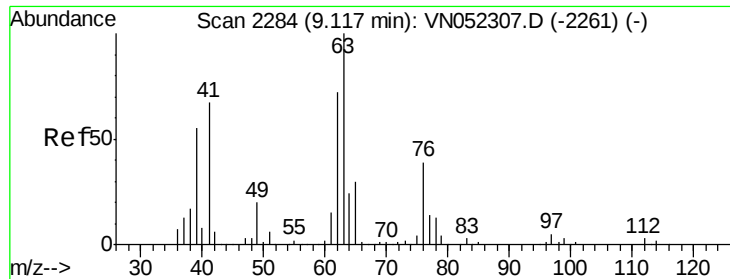
Tot Ion:	41	Resp:	92
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.393 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

Tgt Ion:	43	Resp:	16349
Ion	Ratio	Lower	Upper
43	100		
61	12.9	12.0	18.0
87	9.9	8.3	12.5

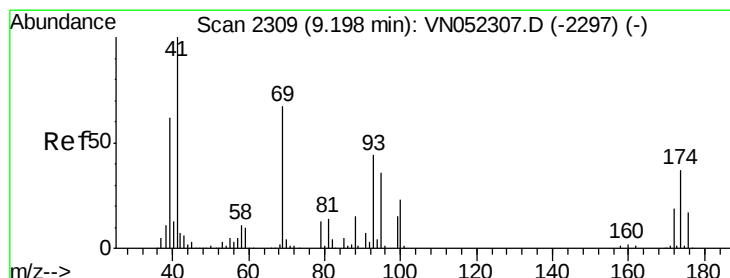
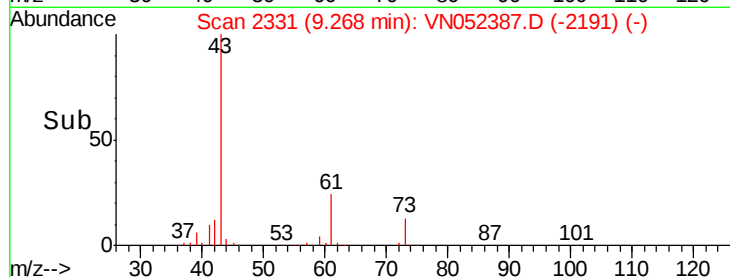
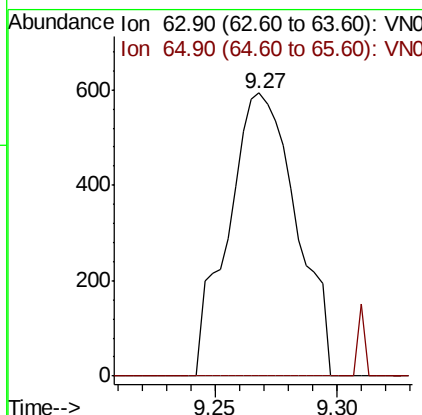
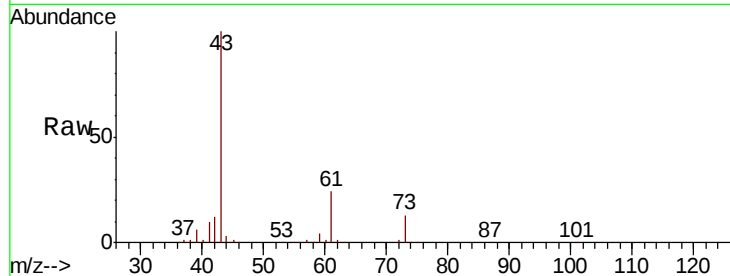




#45
 1,2-Dichloropropane
 Concen: 0.289 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

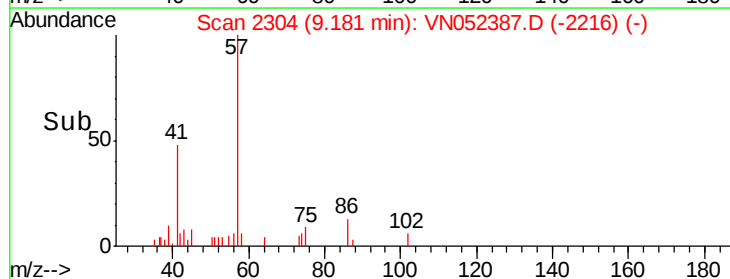
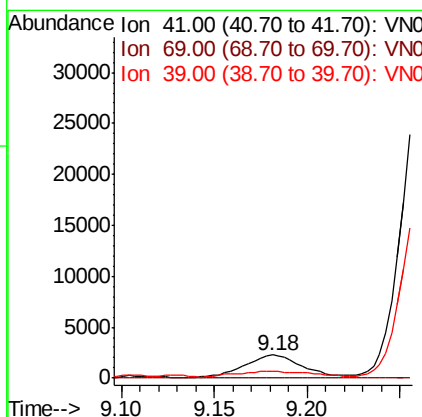
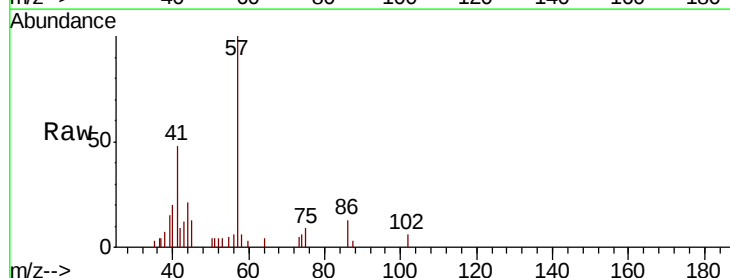
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846ZHE#03

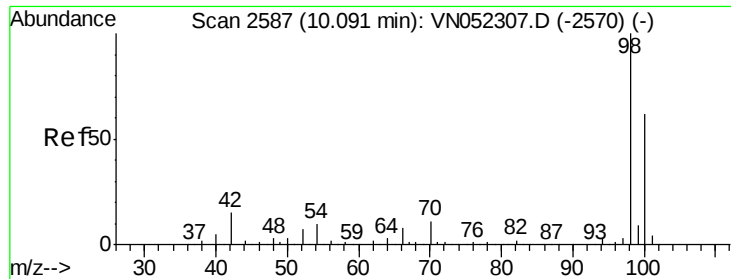
Tot Ion: 63 Resp: 1143
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.428 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.02 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

Tgt Ion: 41 Resp: 4951
 Ion Ratio Lower Upper
 41 100
 69 0.0 57.1 85.7#
 39 41.6 52.5 78.7#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

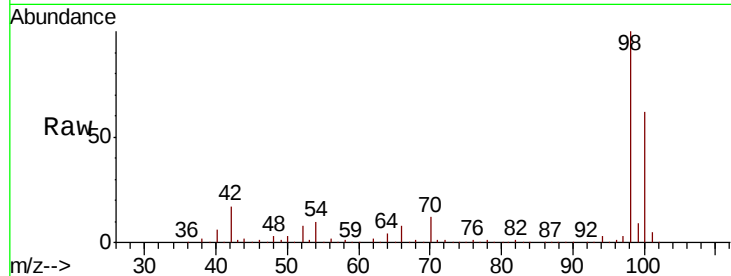
PB114846ZHE#03

Tot Ion: 98 Resp: 619081

Ion Ratio Lower Upper

98 100

100 63.0 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052387.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052387.D (-2570) (-)

10.09

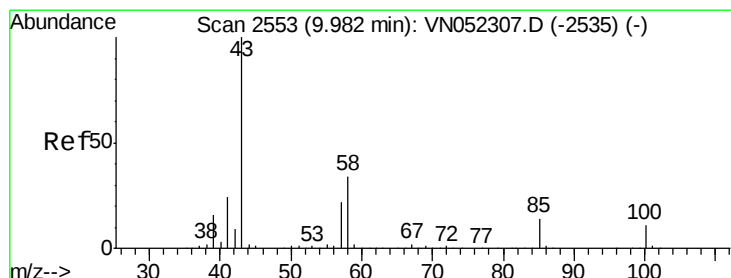
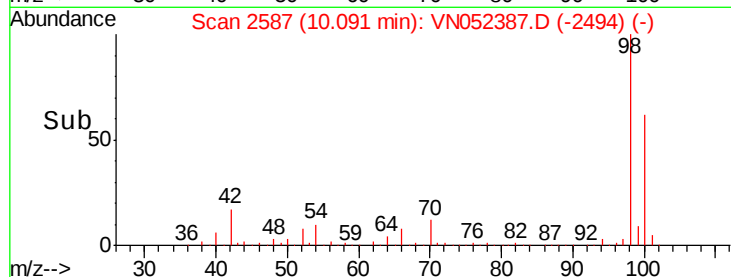
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.510 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052387.D

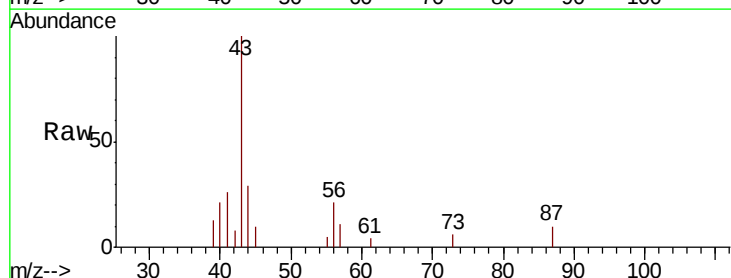
Acq: 19 Nov 2018 16:13

Tgt Ion: 43 Resp: 5195

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052387.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN052387.D (-2460) (-)

10.02

4000

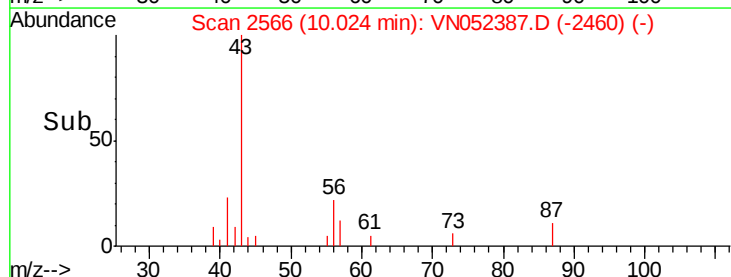
3000

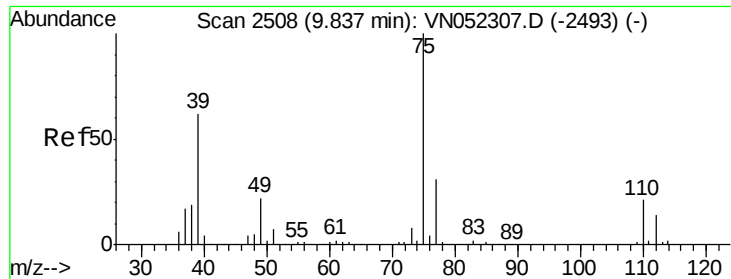
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.642 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB114846ZHE#03

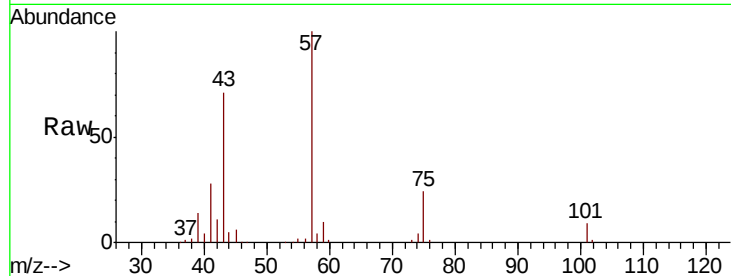
Tot Ion: 75 Resp: 30485

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

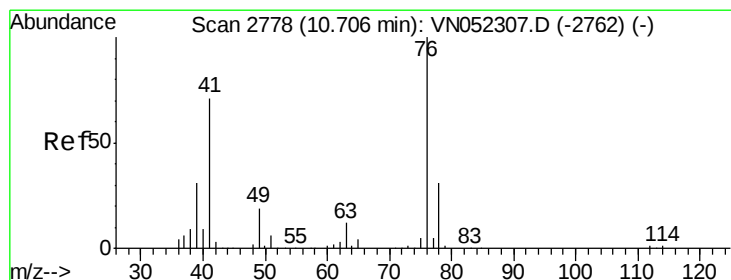
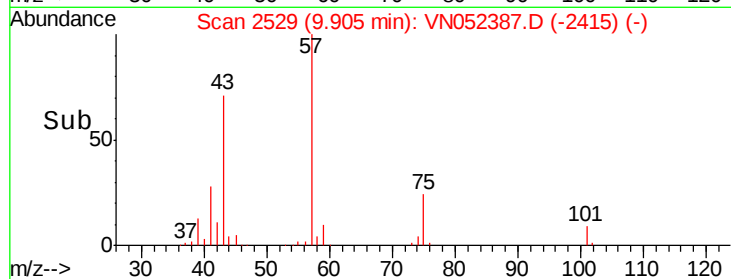
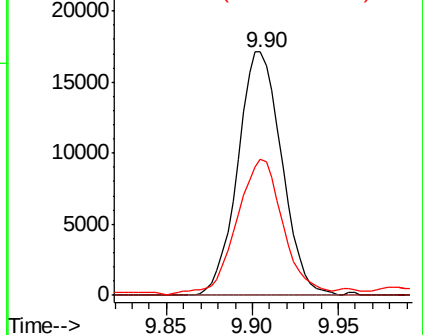
39 54.2 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 1.189 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.05 min

Lab File: VN052387.D

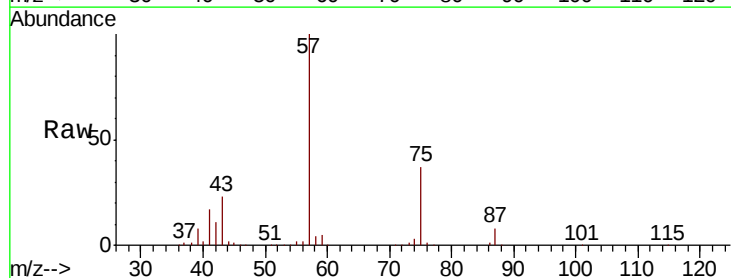
Acq: 19 Nov 2018 16:13

Tgt Ion: 76 Resp: 6369

Ion Ratio Lower Upper

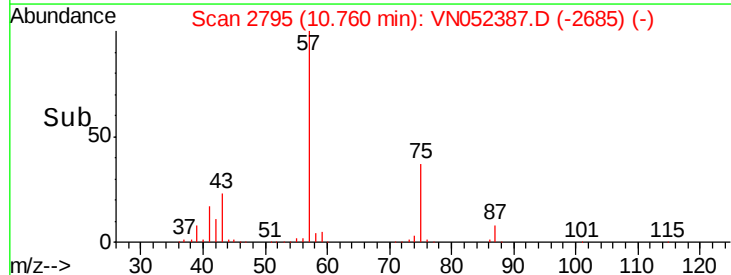
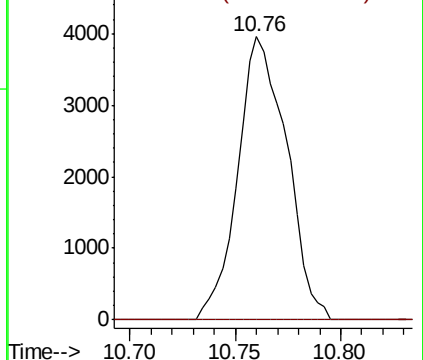
76 100

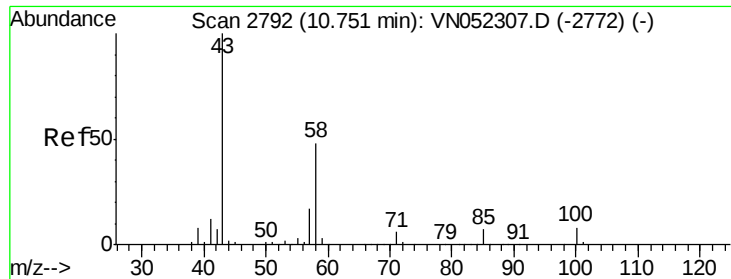
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

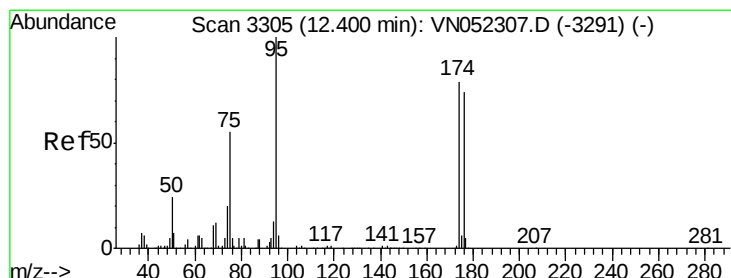
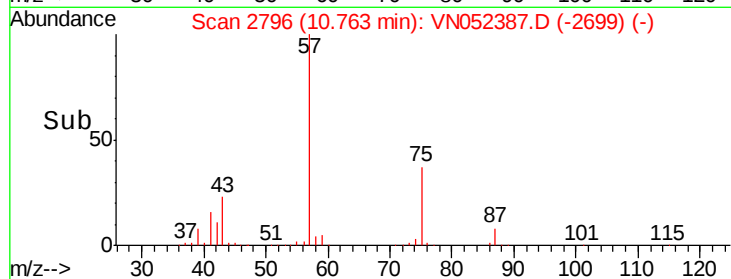
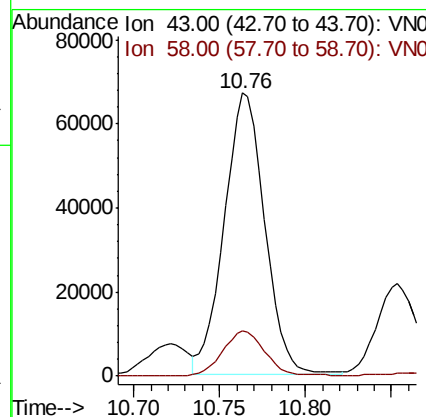
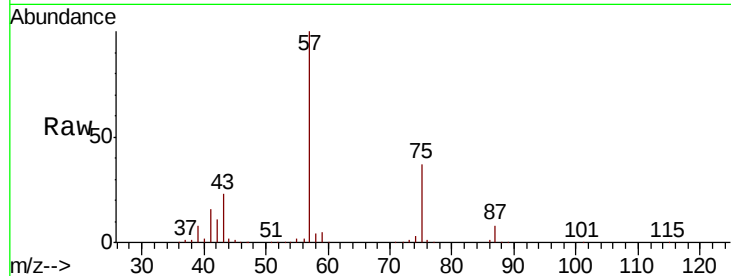




#59
2-Hexanone
Concen: 46.529 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

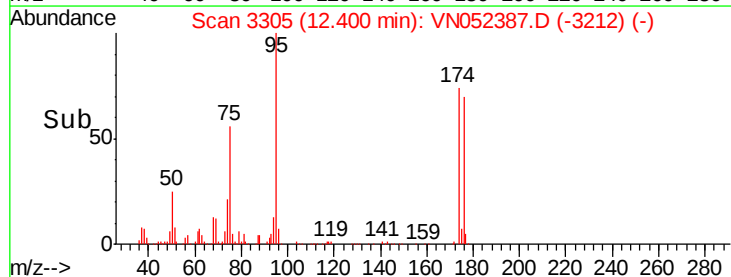
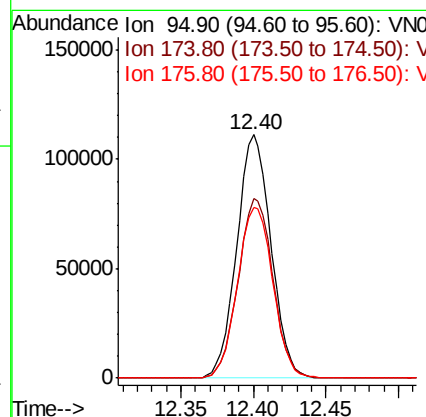
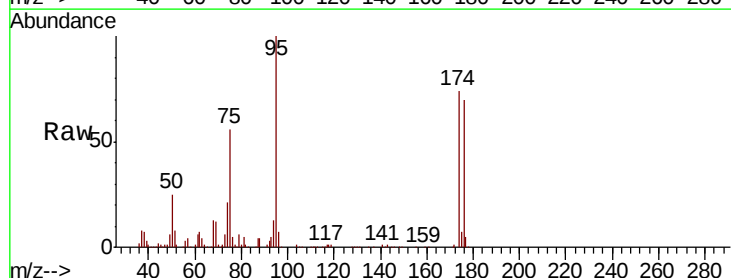
Instrument :
MSVOA_N
ClientSampleId :
PB114846ZHE#03

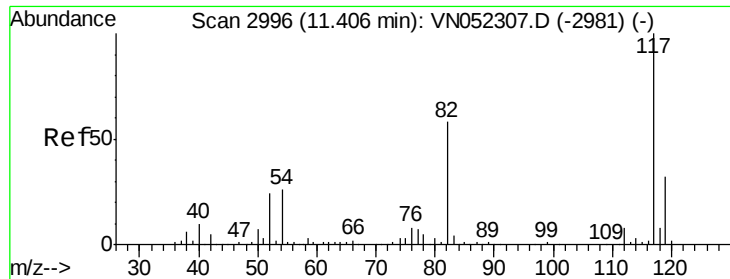
Tot Ion: 43 Resp: 110086
Ion Ratio Lower Upper
43 100
58 17.1 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052387.D
Acq: 19 Nov 2018 16:13

Tgt Ion: 95 Resp: 181907
Ion Ratio Lower Upper
95 100
174 75.3 0.0 156.0
176 72.9 0.0 148.4

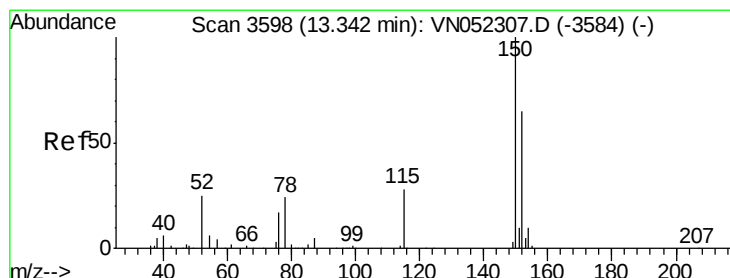
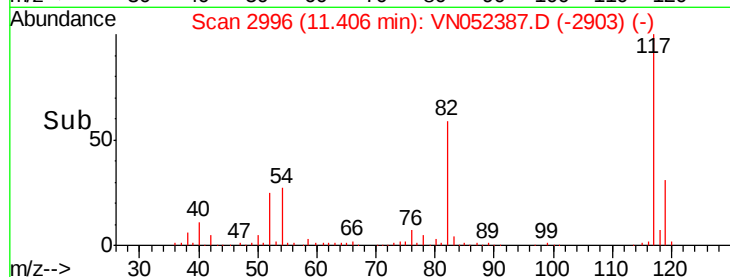
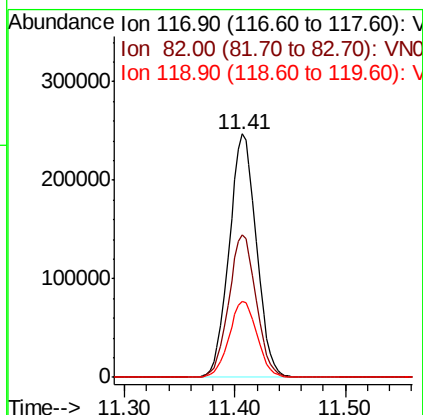
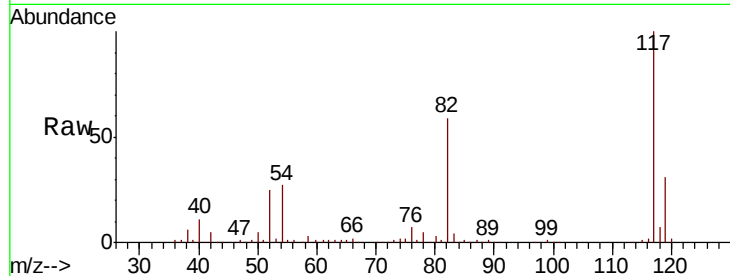




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

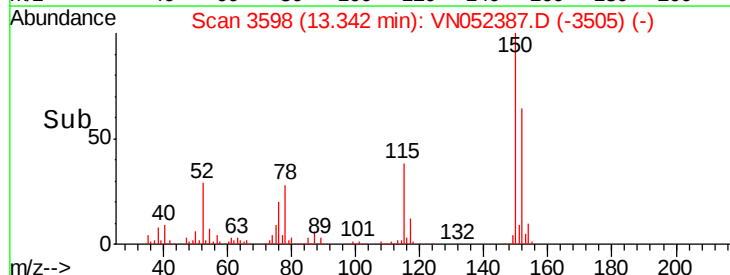
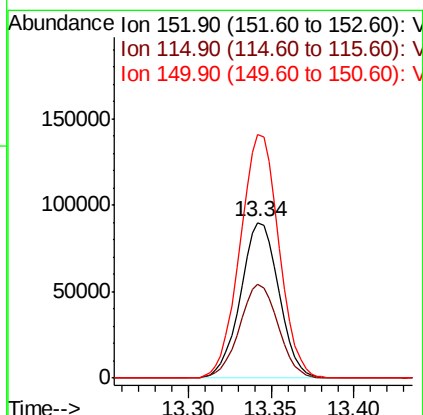
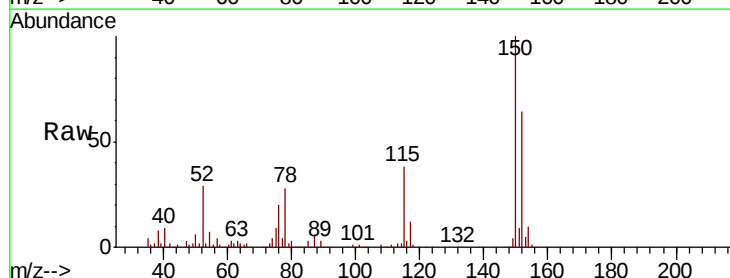
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846ZHE#03

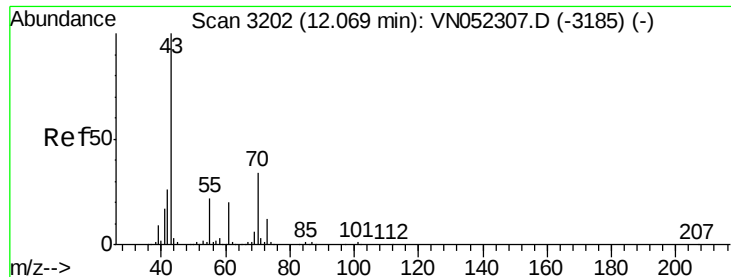
Tot Ion:117 Resp: 422382
 Ion Ratio Lower Upper
 117 100
 82 58.8 46.5 69.7
 119 31.2 25.7 38.5



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

Tgt Ion:152 Resp: 144939
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.3 91.0
 150 158.6 0.0 348.2





#74

N-amvl acetate

Concen: 2.912 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052387.D

Acq: 19 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

PB114846ZHE#03

Tot Ion: 43 Resp: 12086

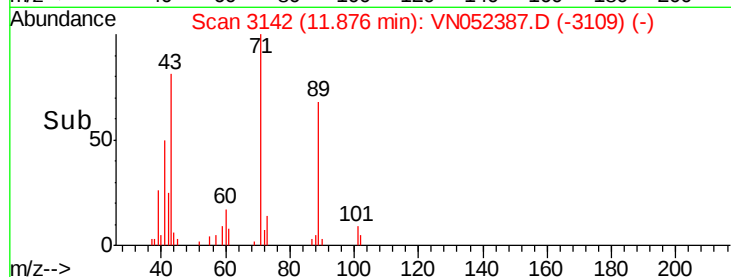
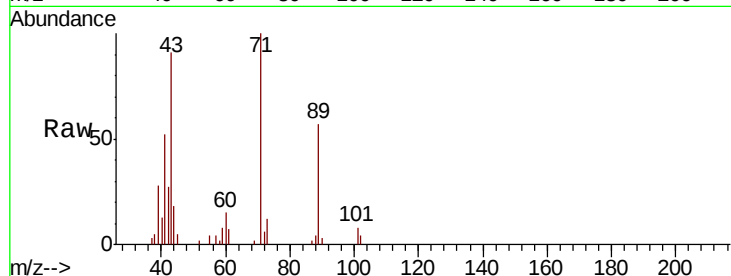
Ion Ratio Lower Upper

43 100

70 0.5 27.1 40.7#

55 4.3 17.4 26.0#

61 0.0 16.1 24.1#

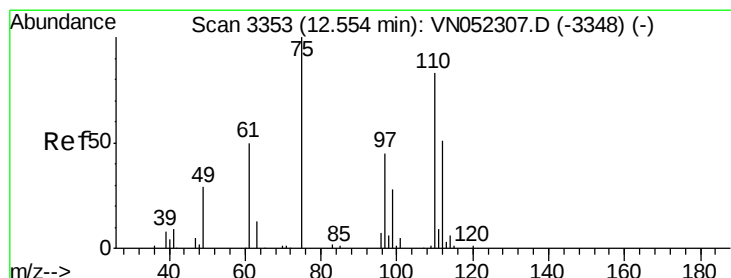
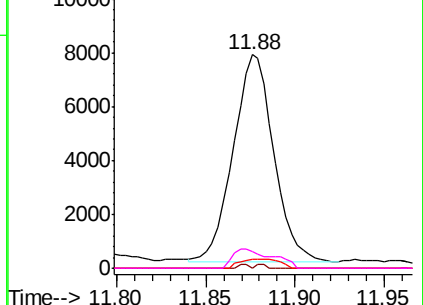


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 42.100 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052387.D

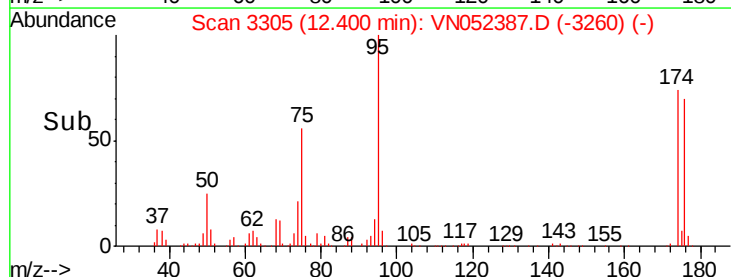
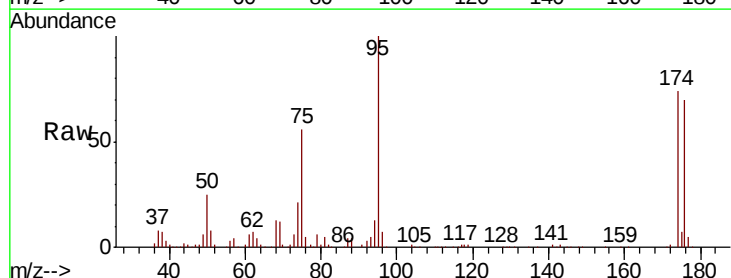
Acq: 19 Nov 2018 16:13

Tgt Ion: 75 Resp: 103539

Ion Ratio Lower Upper

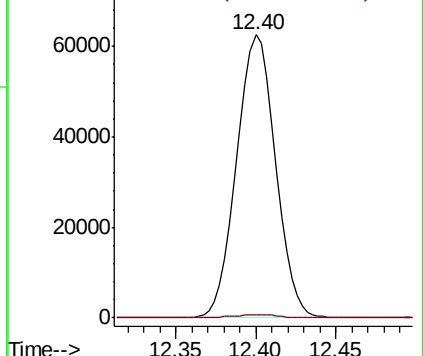
75 100

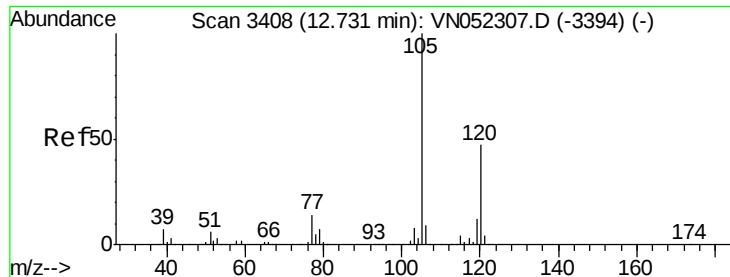
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

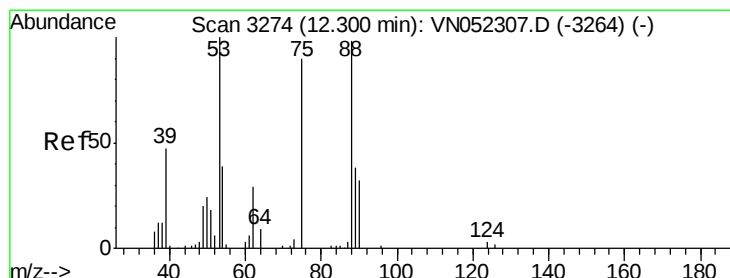
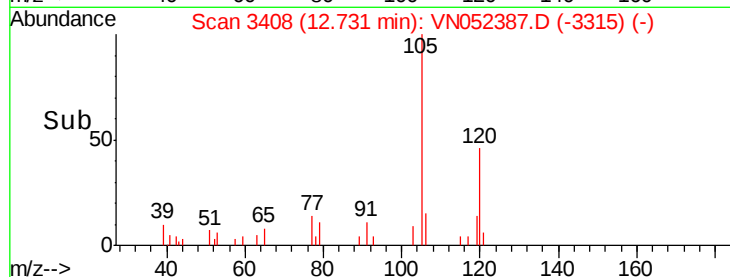
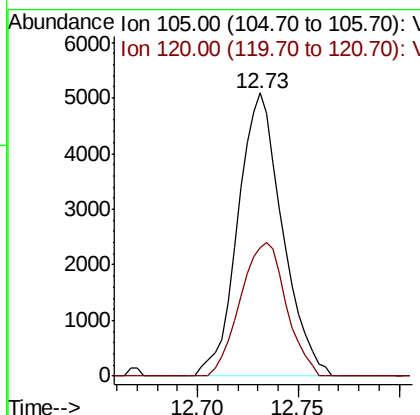
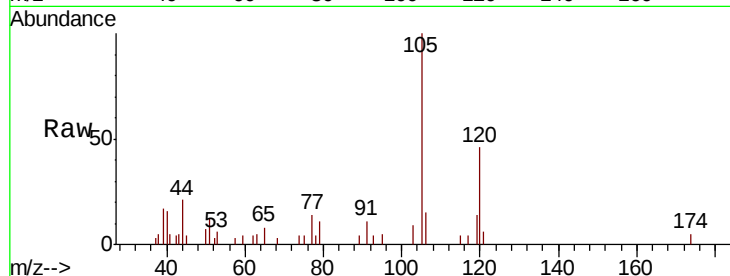




#80
 1,3,5-Trimethylbenzene
 Concen: 0.849 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114846ZHE#03

Tot Ion:105 Resp: 7867
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.547 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052387.D
 Acq: 19 Nov 2018 16:13

Tgt Ion: 75 Resp: 103539
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.2 135.2#
 89 0.0 35.4 53.0#

