

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052871.D
 Acq On : 13 Dec 2018 18:14
 Operator : MD\SY
 Sample : PB115614ZHE#02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#02

Quant Time: Dec 14 01:42:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1260440	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1923293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1711322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683753	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	629711	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
35) Dibromofluoromethane	7.59	113	551531	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	10.09	98	2350133	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
62) 4-Bromofluorobenzene	12.40	95	769435	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	

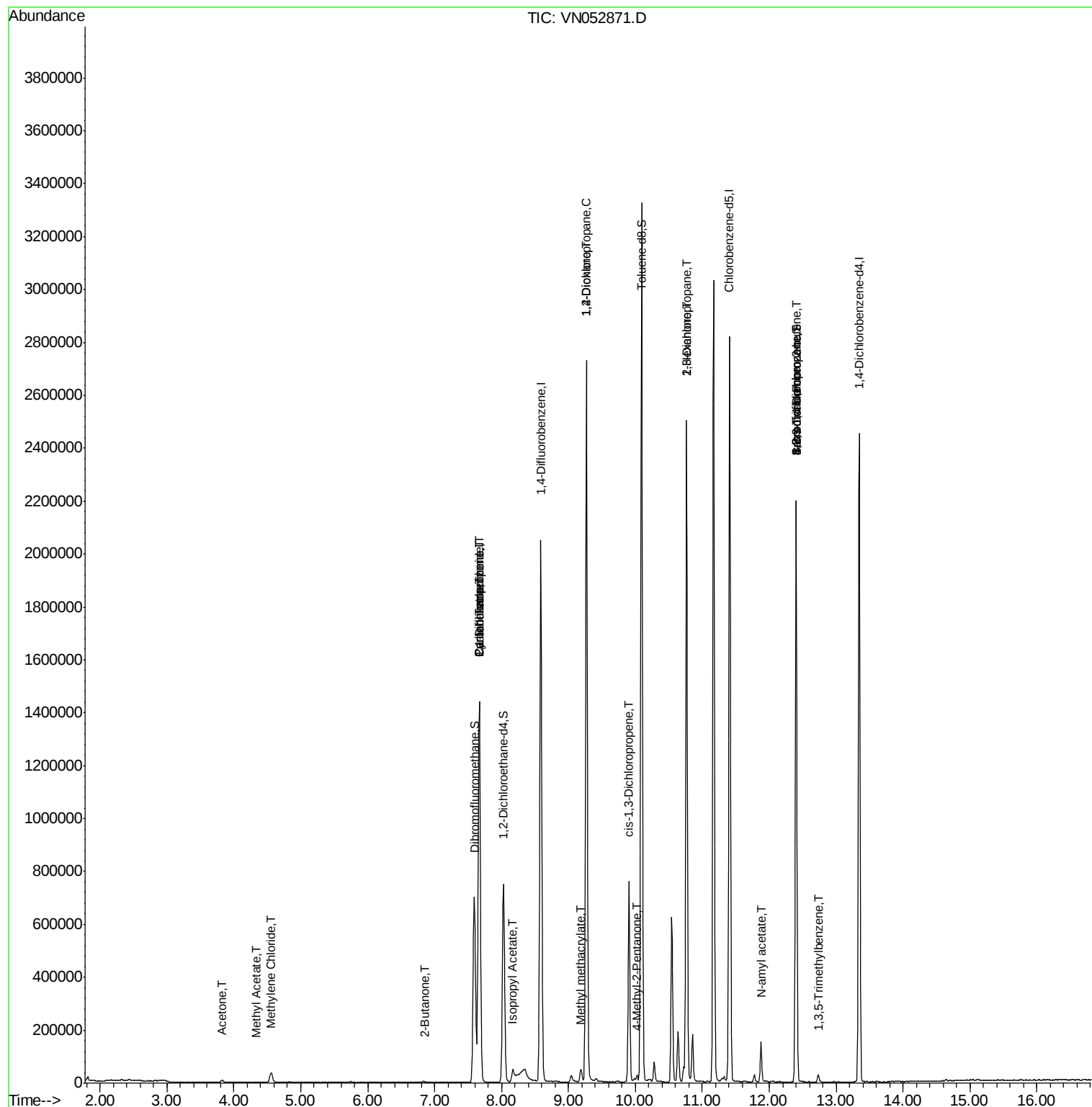
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	17771	5.904	ug/l	99
18) Methyl Acetate	4.34	43	4013	0.363	ug/l #	61
20) Methylene Chloride	4.56	84	28328	2.091	ug/l	99
25) 2-Butanone	6.85	43	2916	0.624	ug/l #	78
31) Cyclohexane	7.67	56	21273	0.361	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	82499	4.658	ug/l #	49
38) Carbon Tetrachloride	7.67	117	108919	6.681	ug/l #	16
43) Isopropyl Acetate	8.17	43	66343	3.041	ug/l #	80
45) 1,2-Dichloropropane	9.27	63	3801	0.273	ug/l #	44
48) Methyl methacrylate	9.18	41	16351	1.709	ug/l #	12
49) 1,4-Dioxane	9.27	88	418	3.849	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	20663	2.066	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	142115	7.078	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	26152	1.327	ug/l #	42
59) 2-Hexanone	10.76	43	362592	52.894	ug/l #	50
71) Bromoform	12.40	173	4537	0.541	ug/l #	1
74) N-amyl acetate	11.88	43	46340	3.306	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	359562	35.642	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	13512	0.328	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	359562	114.501	ug/l #	12

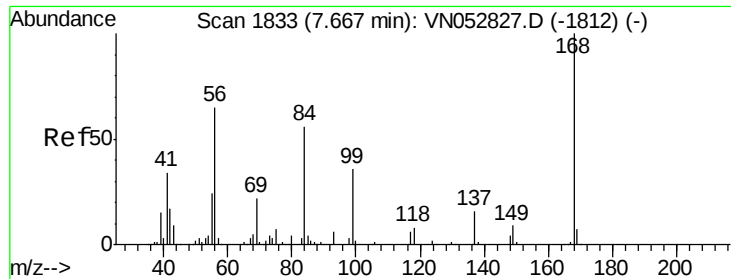
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

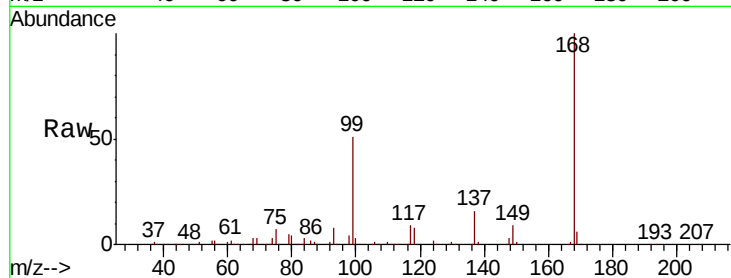
PB115614ZHE#02

Tot Ion:168 Resp: 1260440

Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

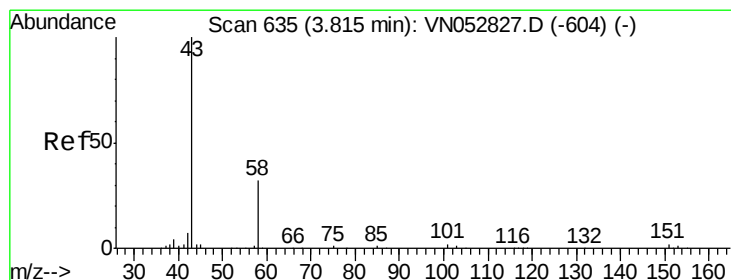
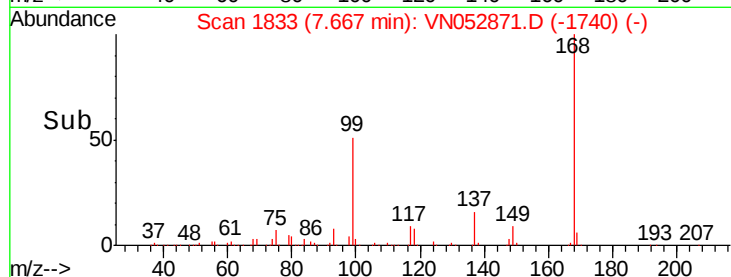
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 5.904 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052871.D

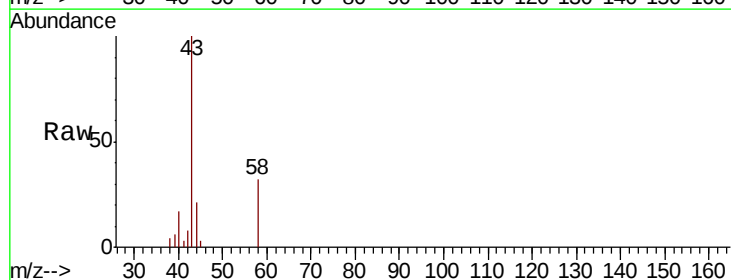
Acq: 13 Dec 2018 18:14

Tgt Ion: 43 Resp: 17771

Ion Ratio Lower Upper

43 100

58 32.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

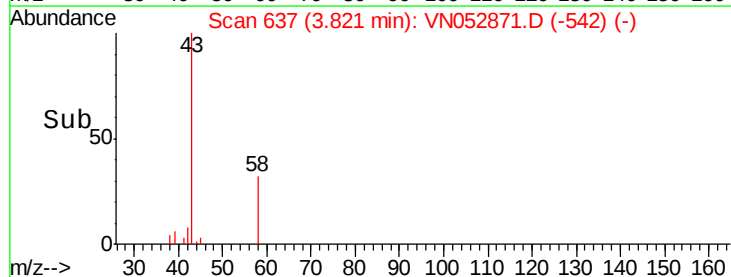
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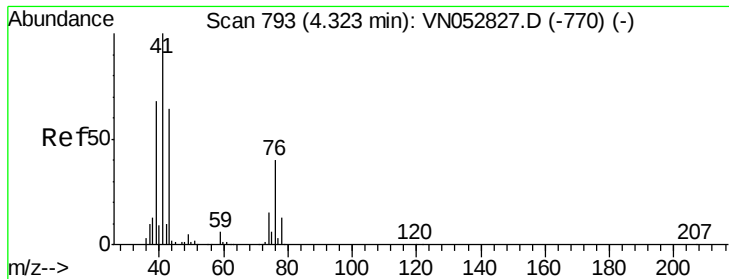
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2000

0

Time-->

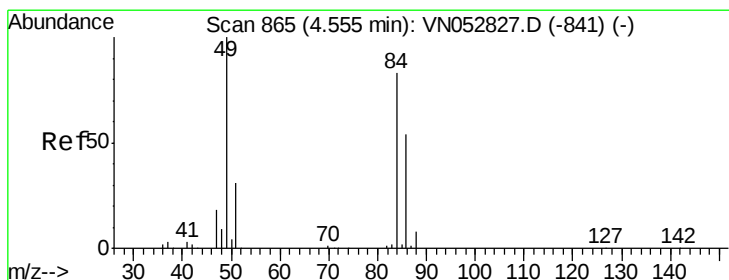
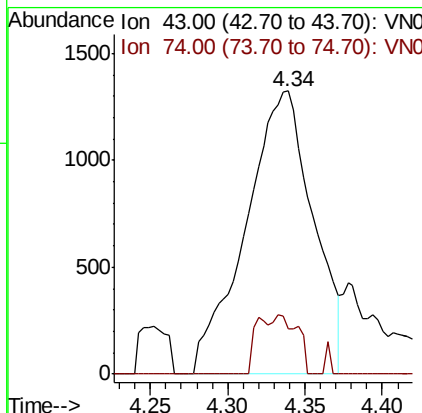
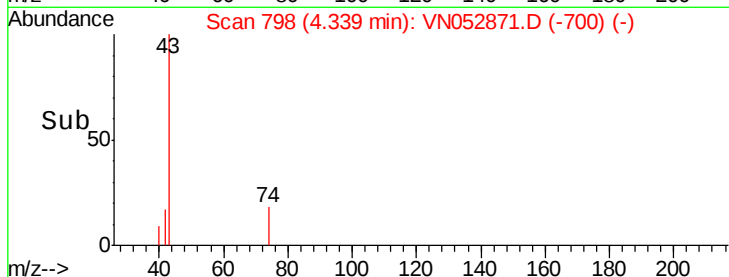
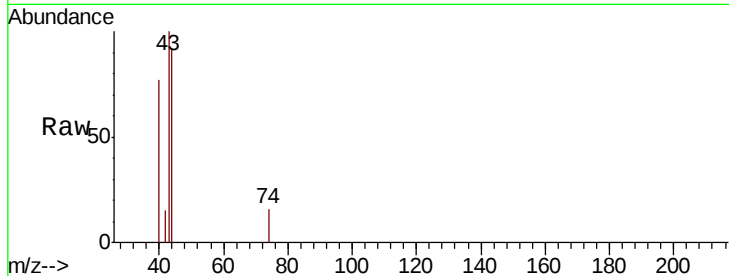




#18
Methyl Acetate
Concen: 0.363 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

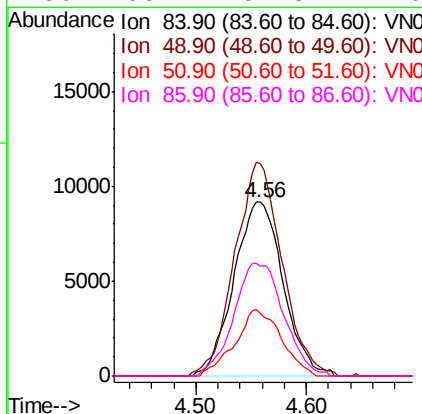
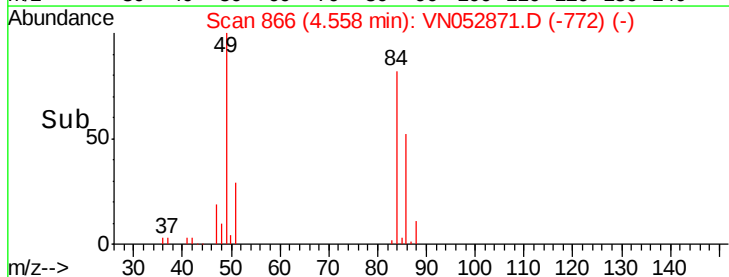
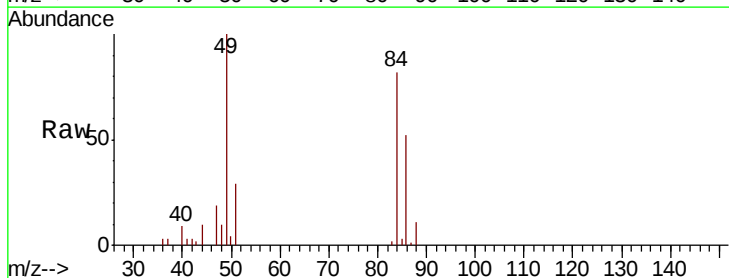
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#02

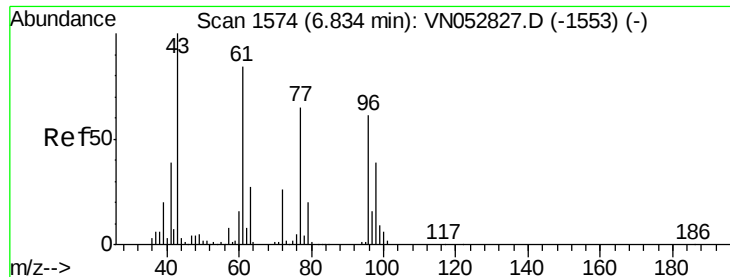
Tot Ion: 43 Resp: 4013
Ion Ratio Lower Upper
43 100
74 4.6 19.2 28.8#



#20
Methylene Chloride
Concen: 2.091 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

Tgt Ion: 84 Resp: 28328
Ion Ratio Lower Upper
84 100
49 122.0 96.8 145.2
51 35.8 29.9 44.9
86 63.4 51.8 77.6

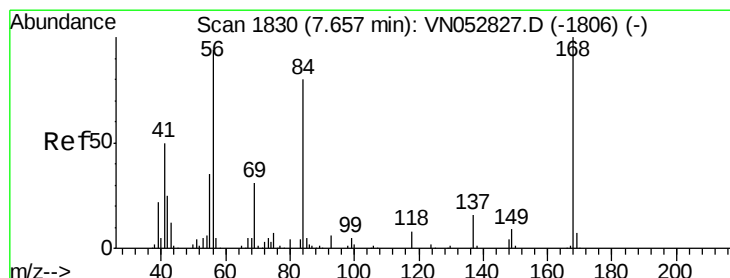
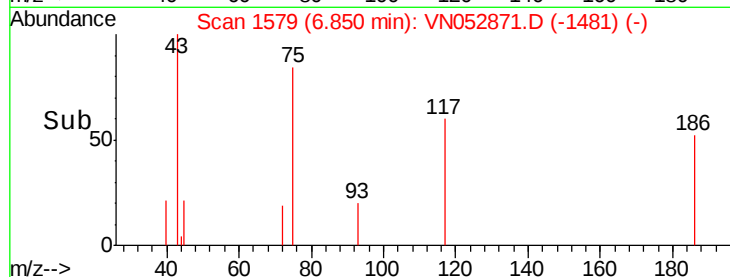
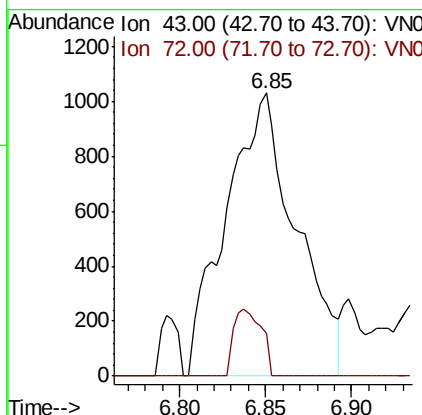
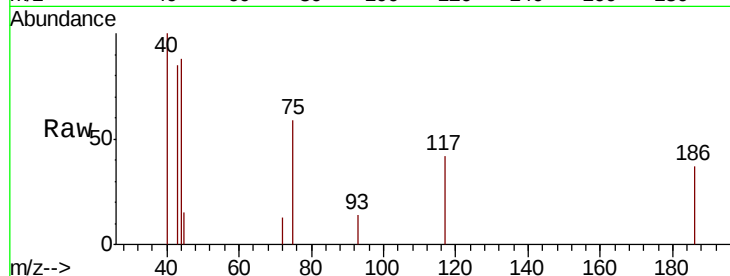




#25
2-Butanone
Concen: 0.624 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.02 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

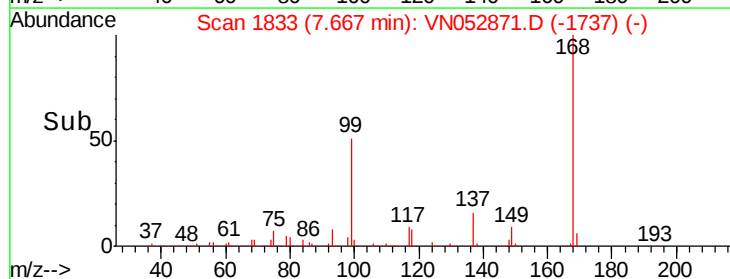
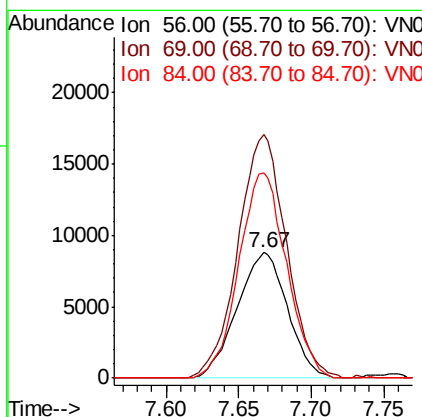
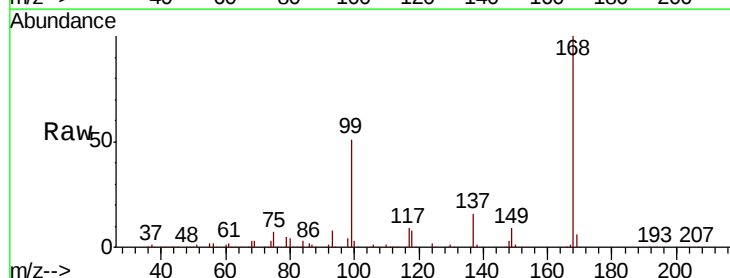
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#02

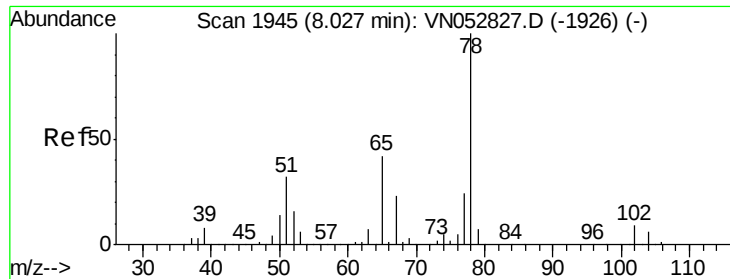
Tot Ion: 43 Resp: 2916
Ion Ratio Lower Upper
43 100
72 15.2 21.0 31.6#



#31
Cyclohexane
Concen: 0.361 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

Tgt Ion: 56 Resp: 21273
Ion Ratio Lower Upper
56 100
69 194.3 26.6 39.8#
84 163.8 68.4 102.6#

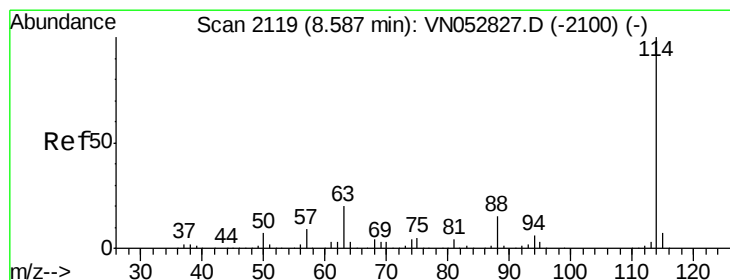
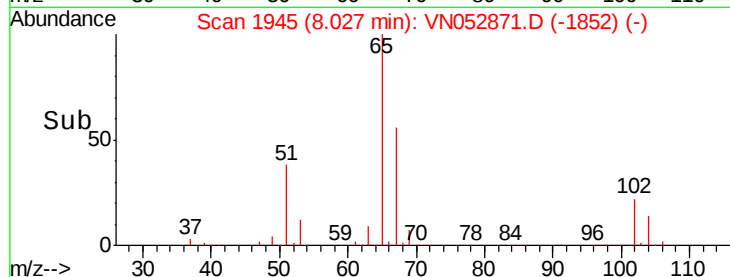
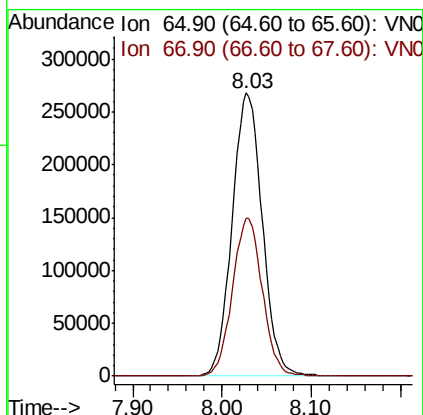
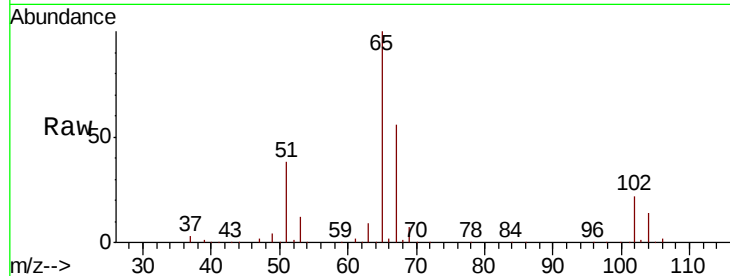




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

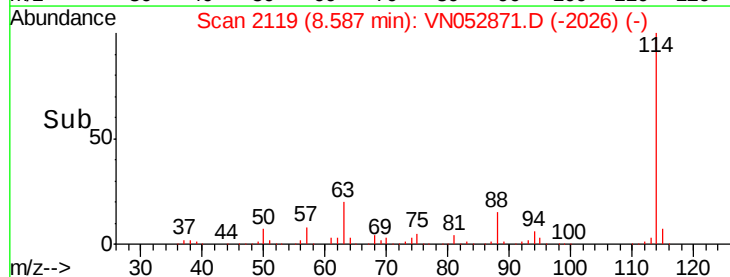
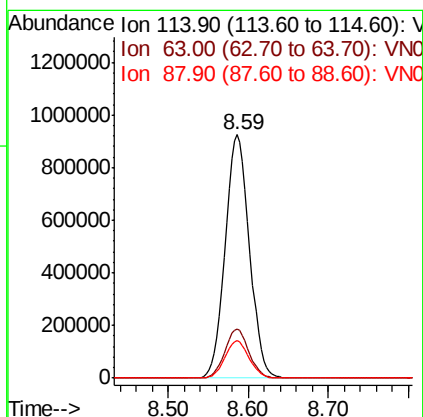
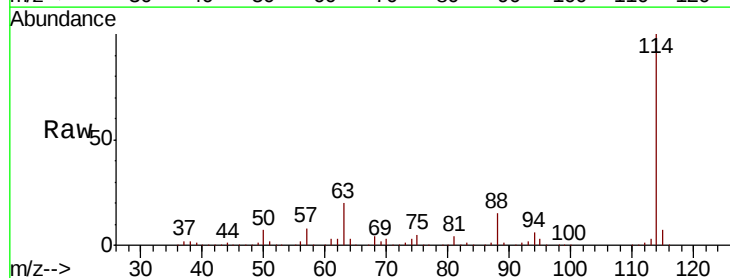
Instrument :
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 ClientSampleId :
 PB115614ZHE#02

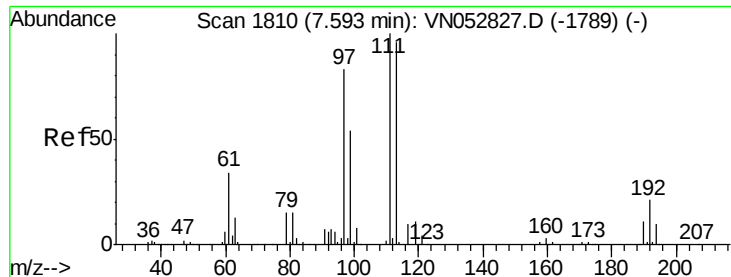
Tot Ion: 65 Resp: 629711
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Tgt Ion: 114 Resp: 1923293
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.8
 88 15.4 0.0 31.0

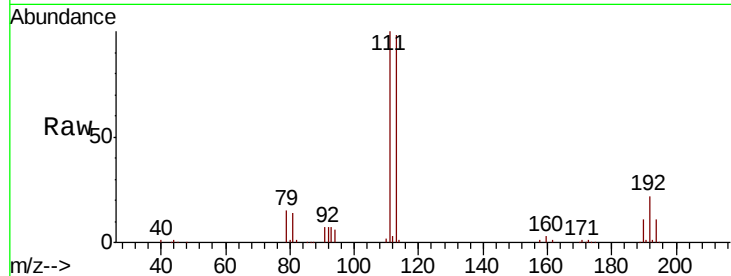




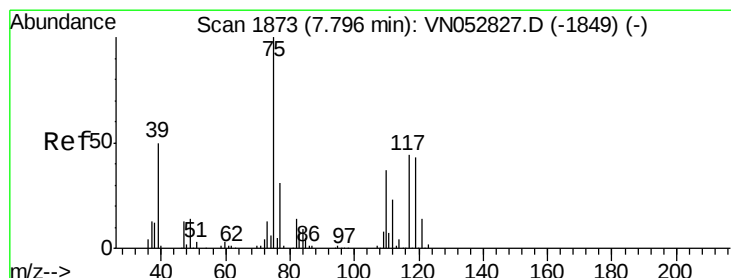
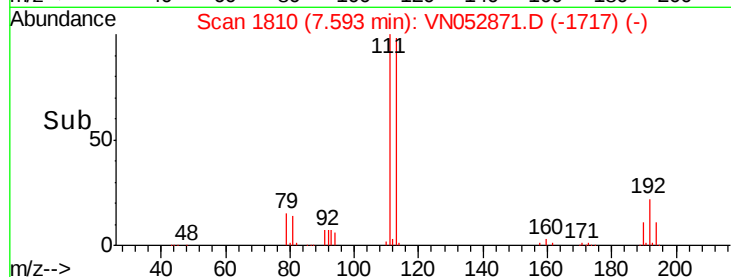
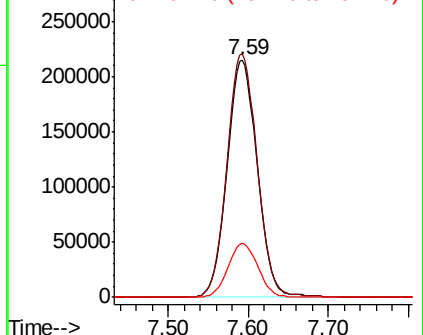
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	83.0	124.4
192	22.5	17.5	26.3

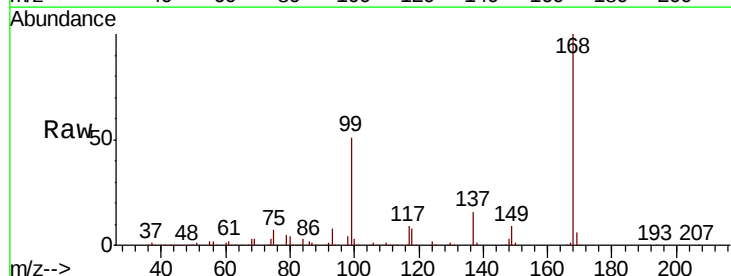


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

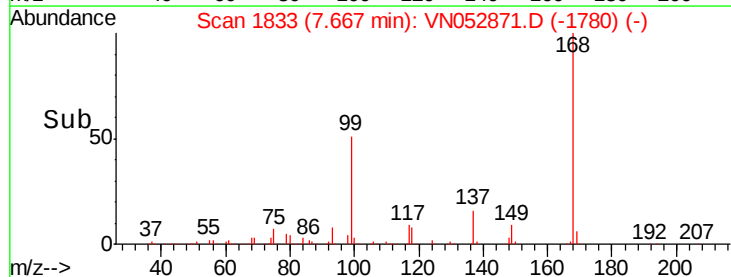
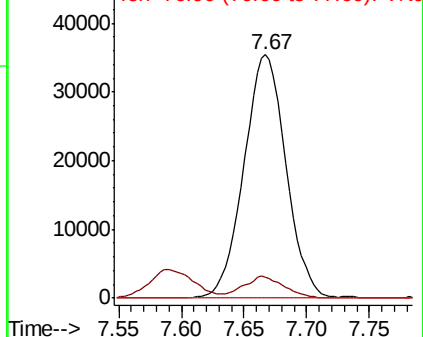


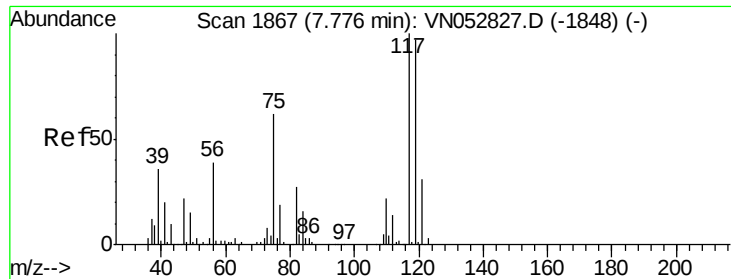
#36
 1,1-Dichloropropene
 Concen: 4.658 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.2	54.6#
77	0.0	24.9	37.3#



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





#38

Carbon Tetrachloride

Concen: 6.681 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#02

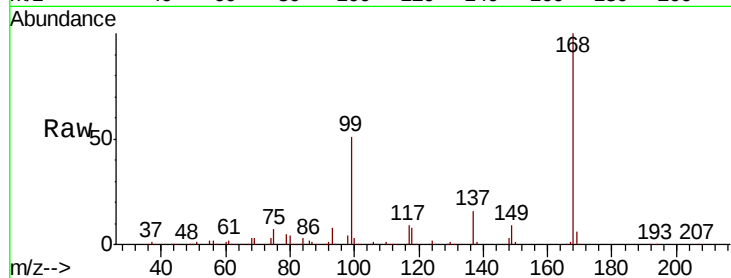
Tot Ion:117 Resp: 108919

Ion Ratio Lower Upper

117 100

119 5.3 77.1 115.7#

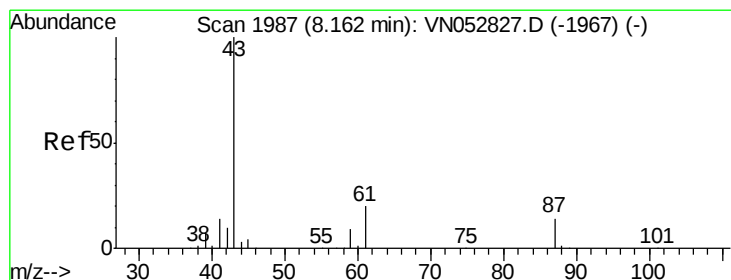
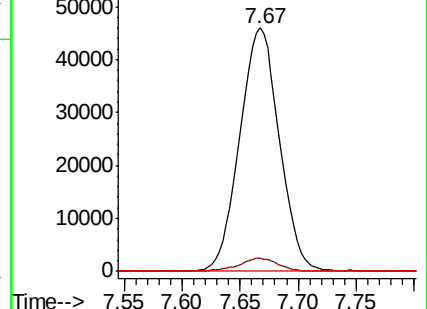
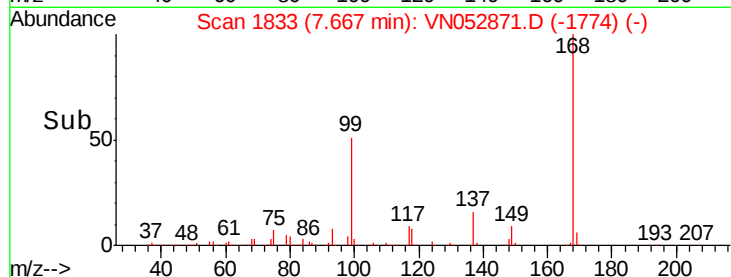
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 3.041 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

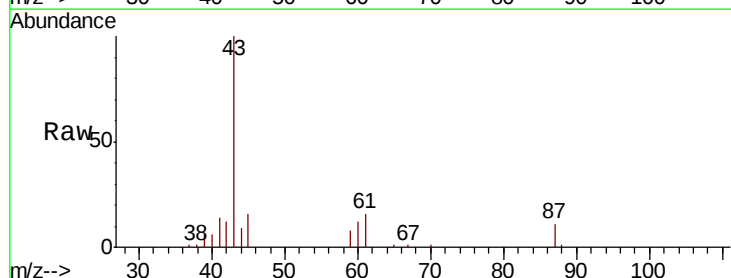
Tgt Ion: 43 Resp: 66343

Ion Ratio Lower Upper

43 100

61 15.6 22.9 34.3#

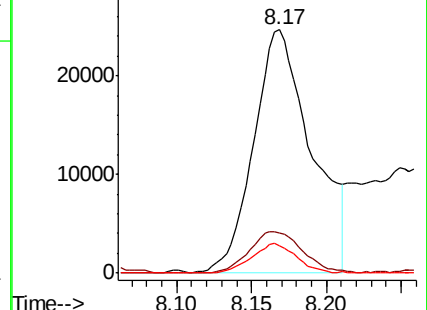
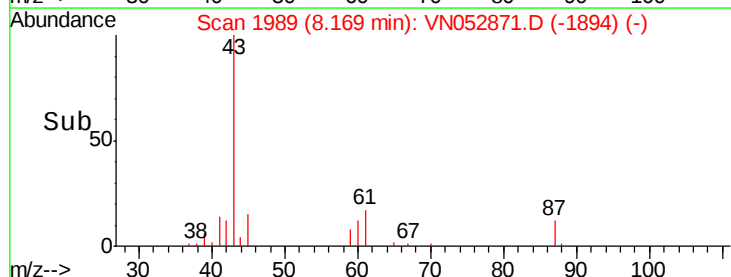
87 9.3 10.6 15.8#

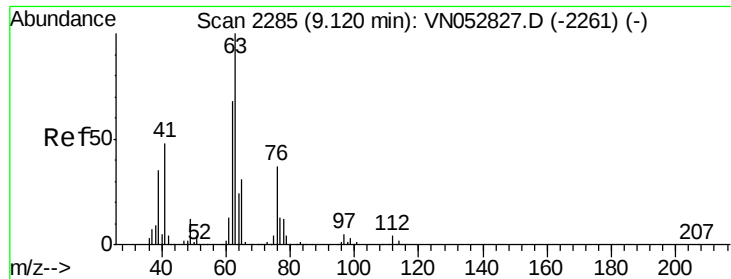


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

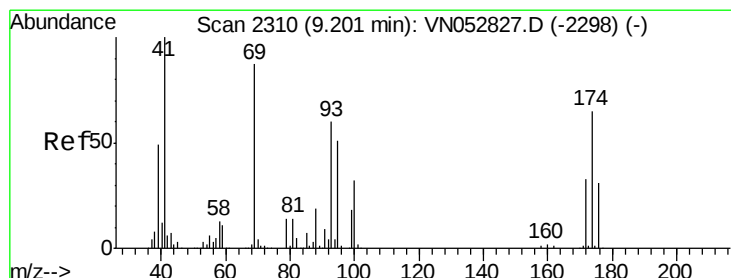
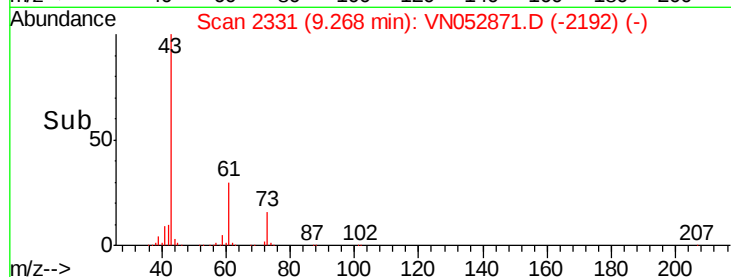
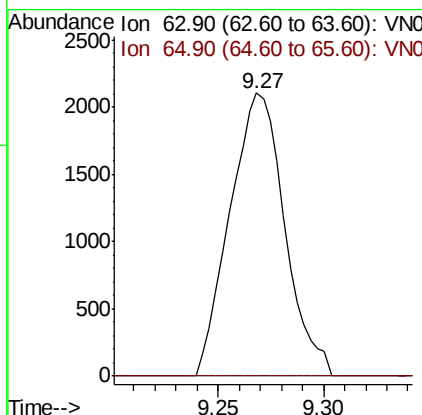
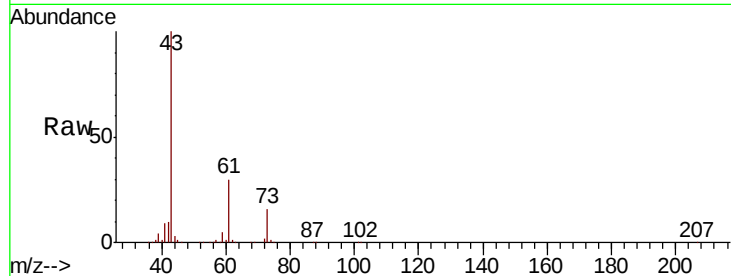




#45
 1,2-Dichloropropane
 Concen: 0.273 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

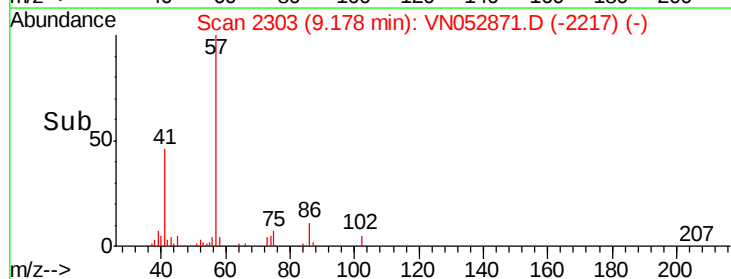
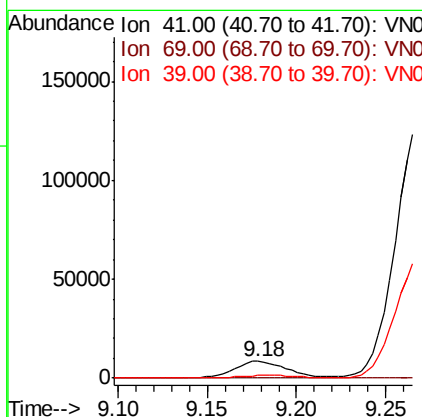
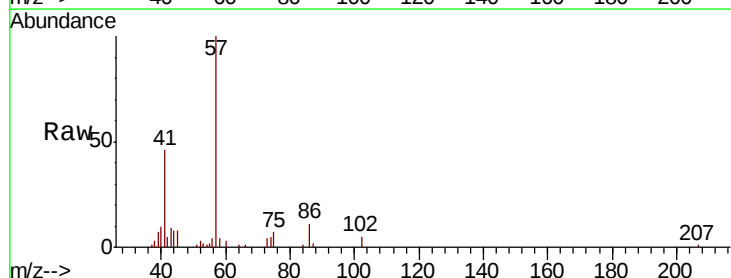
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#02

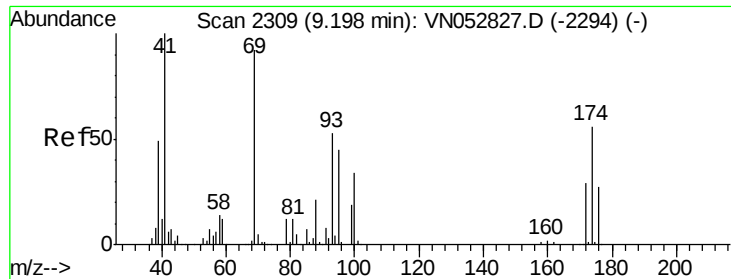
Tot Ion: 63 Resp: 3801
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.6 37.0#



#48
 Methyl methacrylate
 Concen: 1.709 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Tgt Ion: 41 Resp: 16351
 Ion Ratio Lower Upper
 41 100
 69 0.0 72.2 108.2#
 39 0.0 41.9 62.9#

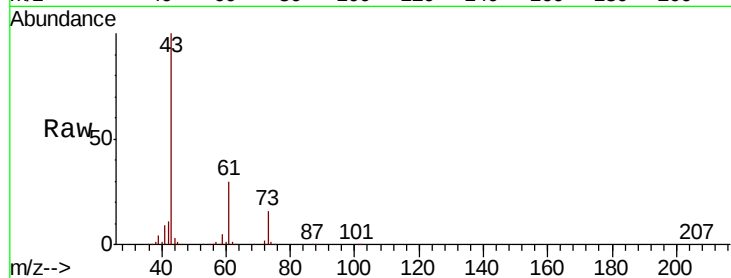




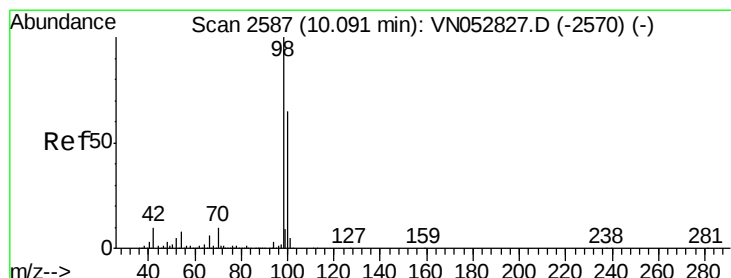
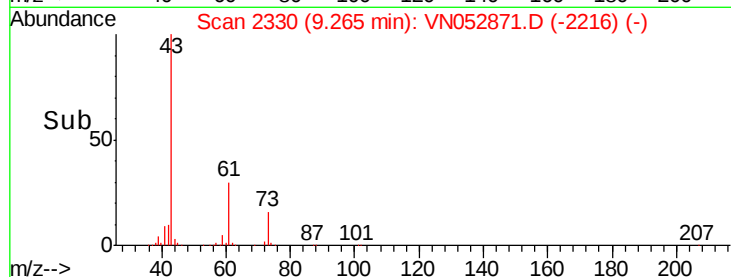
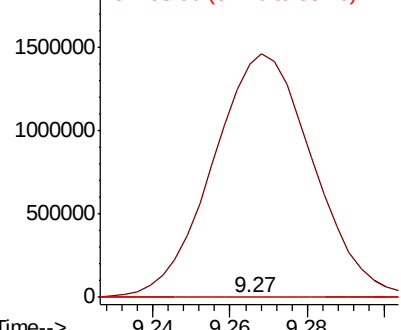
#49
1,4-Dioxane
Concen: 3.849 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#02

Tot Ion: 88 Resp: 418
Ion Ratio Lower Upper
88 100
43 636182.1 26.6 40.0#
58 2561.0 58.4 87.6#

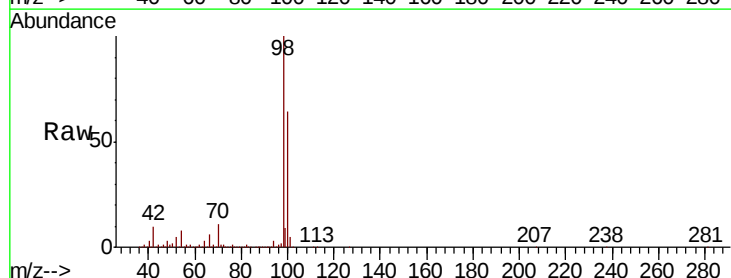


Abundance Ion 88.00 (87.70 to 88.70): VNC
2000000 Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC

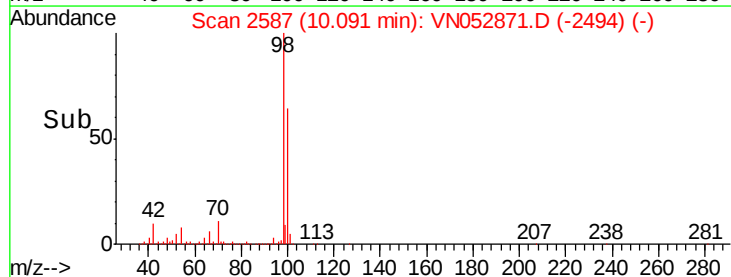
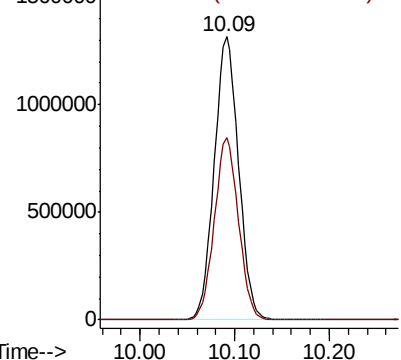


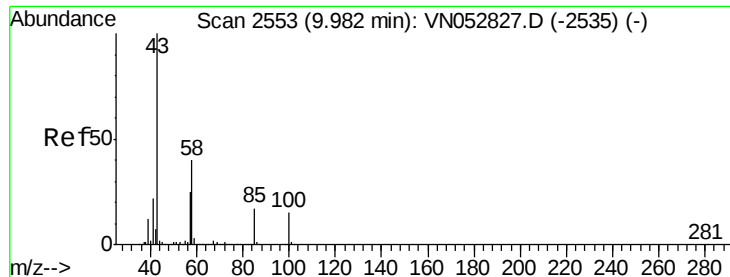
#50
Toluene-d8
Concen: 3.849 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

Tgt Ion: 98 Resp: 2350133
Ion Ratio Lower Upper
98 100
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VNC
1500000 Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 2.066 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

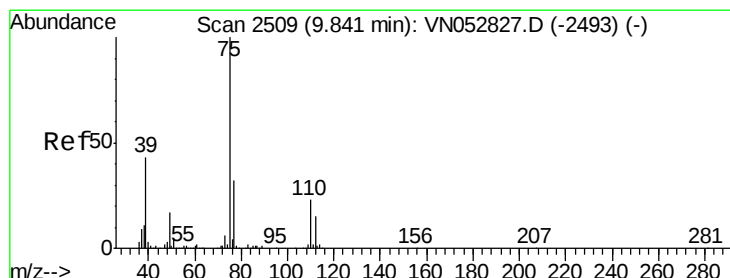
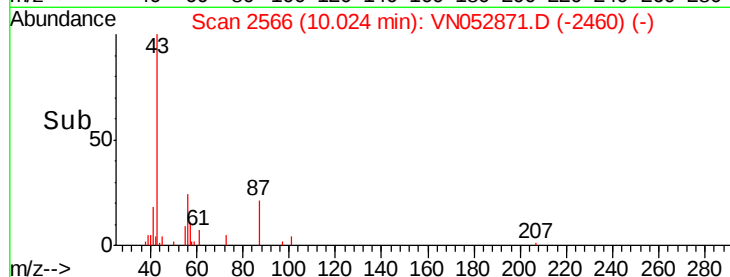
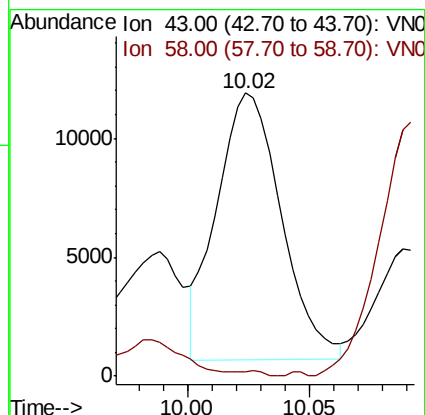
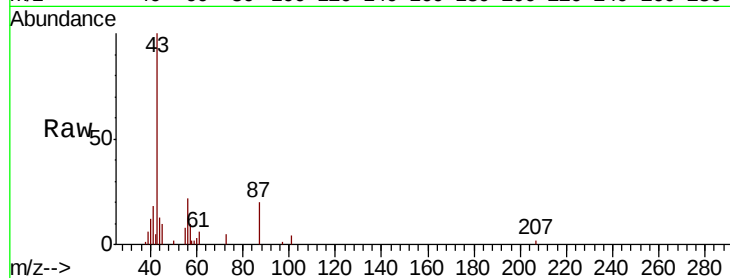
PB115614ZHE#02

Tot Ion: 43 Resp: 20663

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 7.078 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

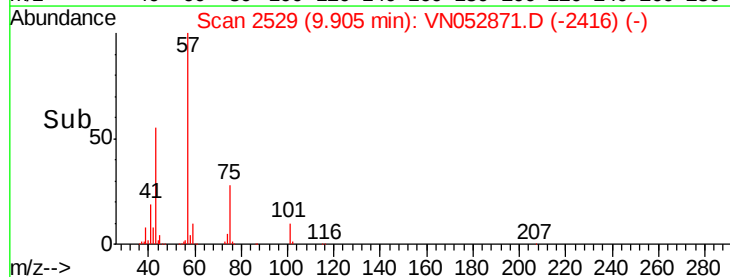
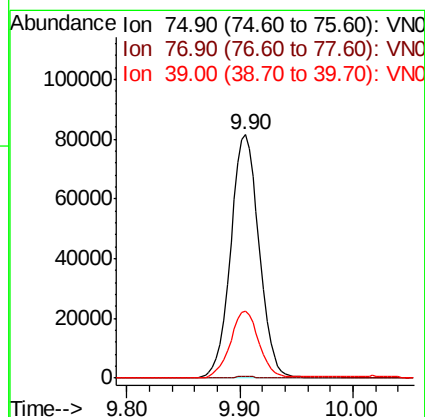
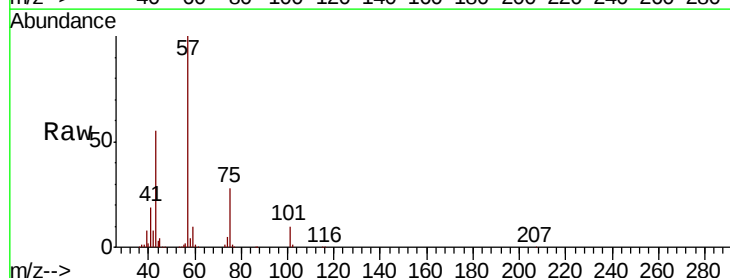
Tgt Ion: 75 Resp: 142115

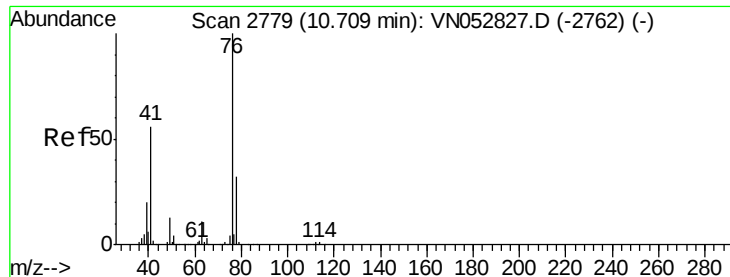
Ion Ratio Lower Upper

75 100

77 0.5 25.8 38.8#

39 27.1 34.8 52.2#

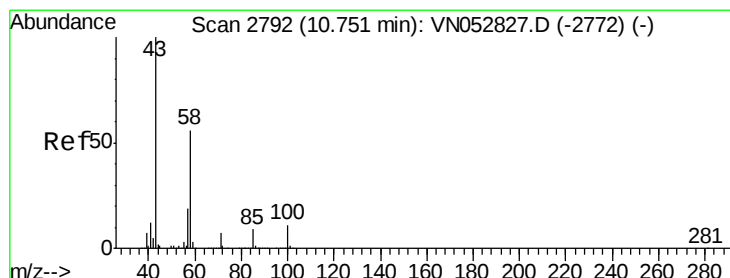
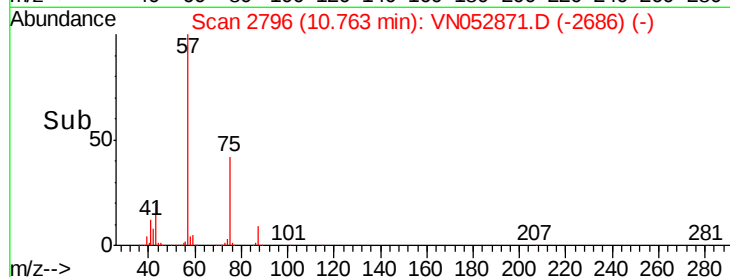
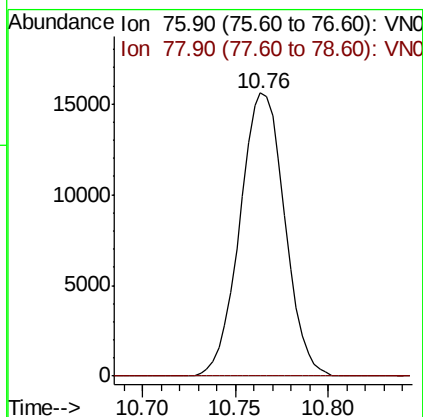
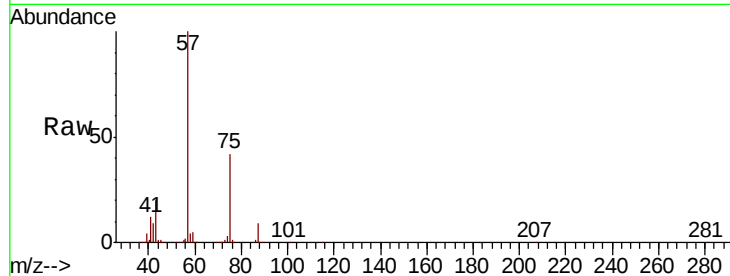




#57
 1,3-Dichloropropane
 Concen: 1.327 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

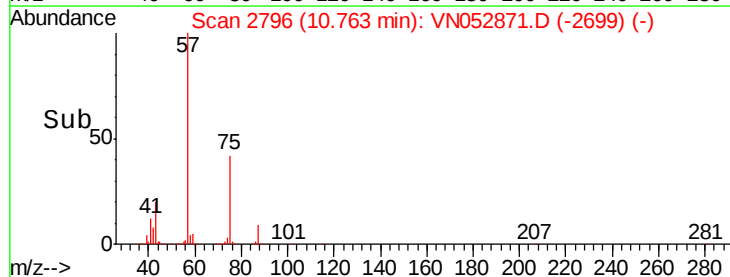
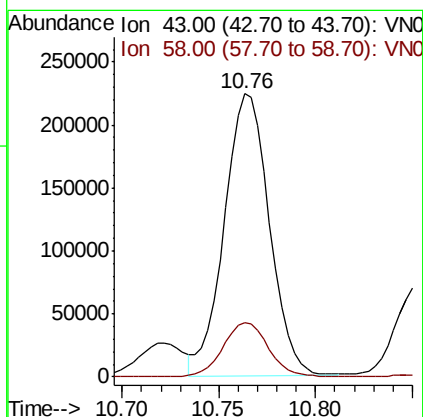
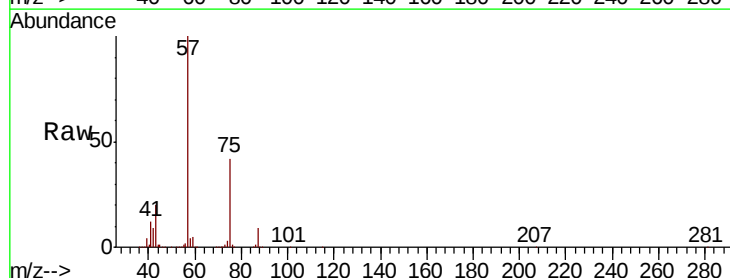
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#02

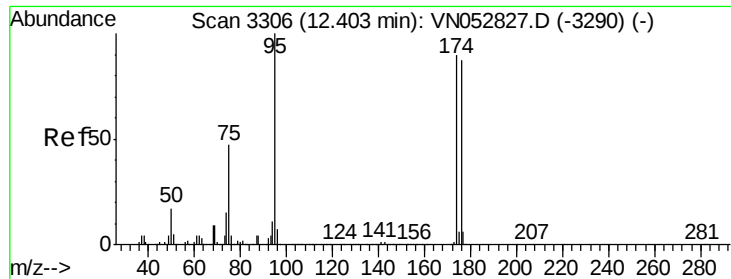
Tot Ion: 76 Resp: 26152
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#



#59
 2-Hexanone
 Concen: 52.894 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Tgt Ion: 43 Resp: 362592
 Ion Ratio Lower Upper
 43 100
 58 19.4 28.1 84.3#

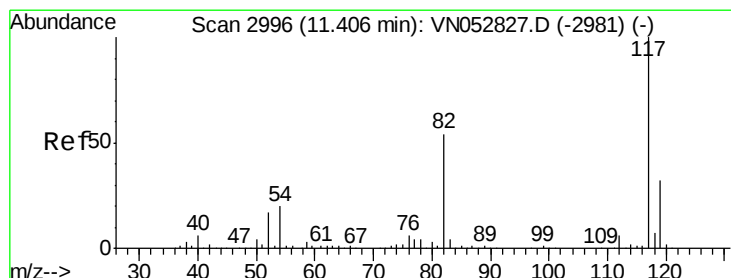
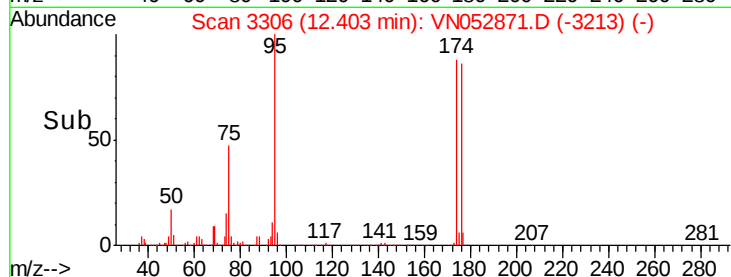
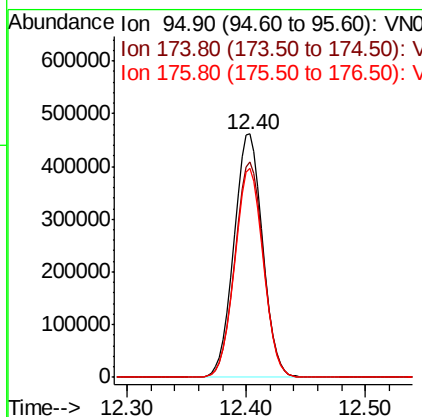
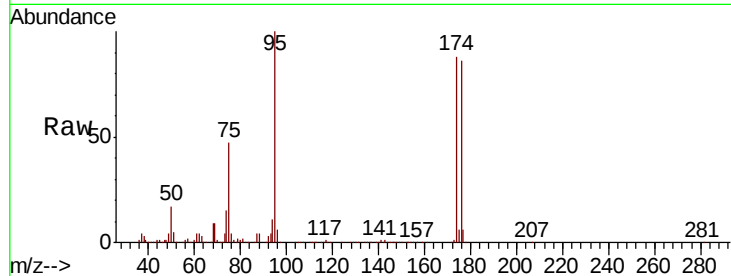




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

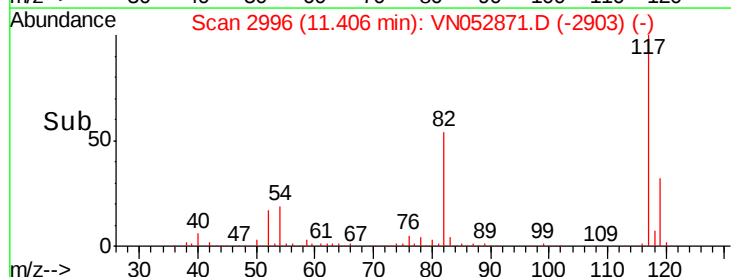
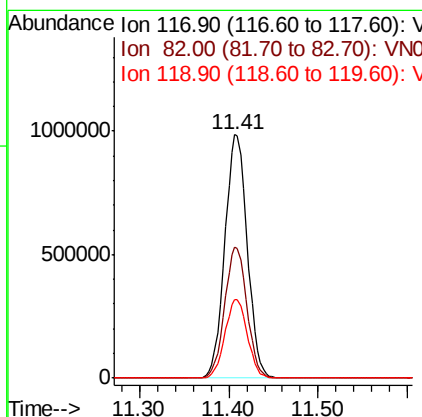
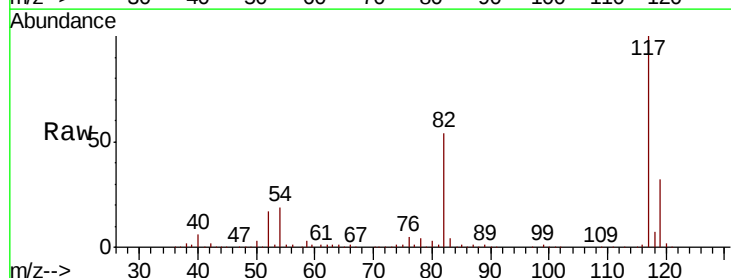
Instrument :
MSVOA_N
ClientSampleId :
PB115614ZHE#02

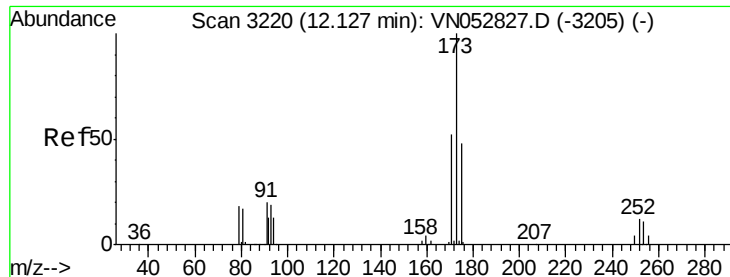
Tot Ion: 95 Resp: 769435
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.8
176 85.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052871.D
Acq: 13 Dec 2018 18:14

Tgt Ion: 117 Resp: 1711322
Ion Ratio Lower Upper
117 100
82 54.0 42.8 64.2
119 32.3 25.5 38.3





#71

Bromoform

Concen: 0.541 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#02

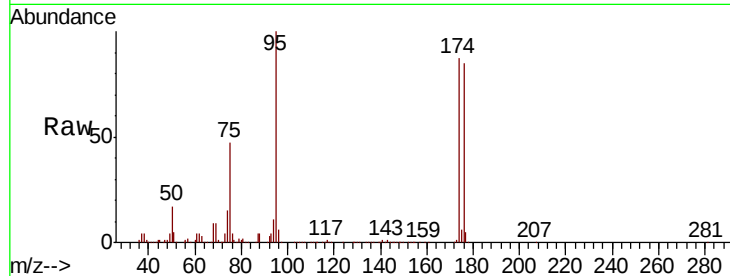
Tot Ion:173 Resp: 4537

Ion Ratio Lower Upper

173 100

175 959.3 24.3 72.9#

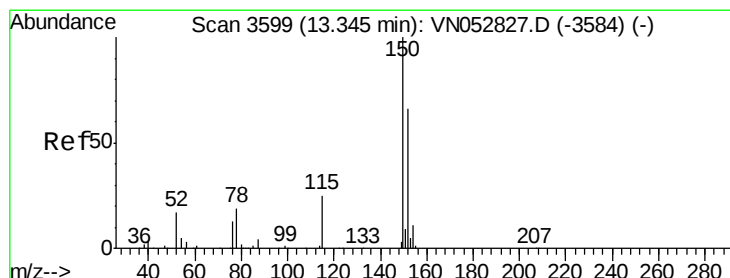
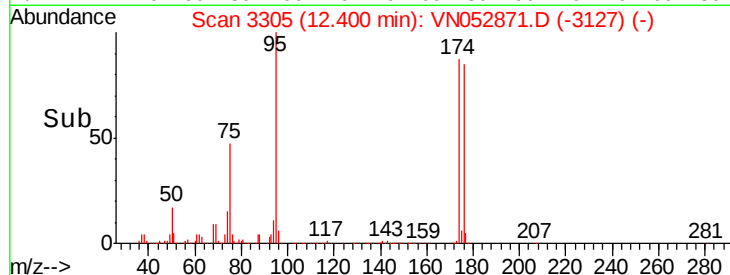
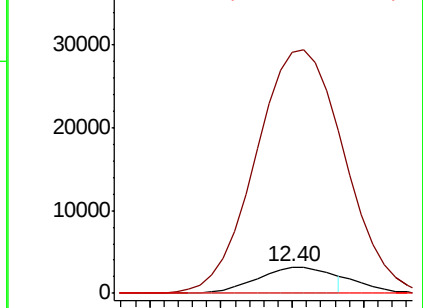
254 0.0 0.1 0.1#



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: VN052871.D

Acq: 13 Dec 2018 18:14

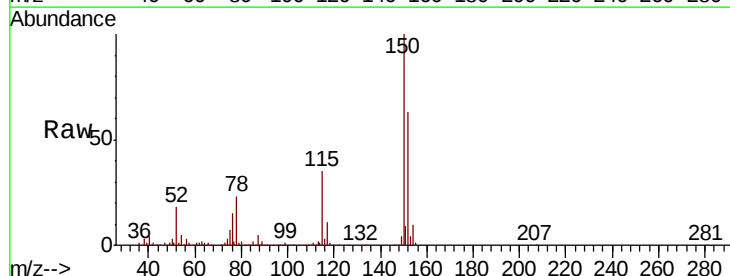
Tgt Ion:152 Resp: 683753

Ion Ratio Lower Upper

152 100

115 56.7 28.3 85.0

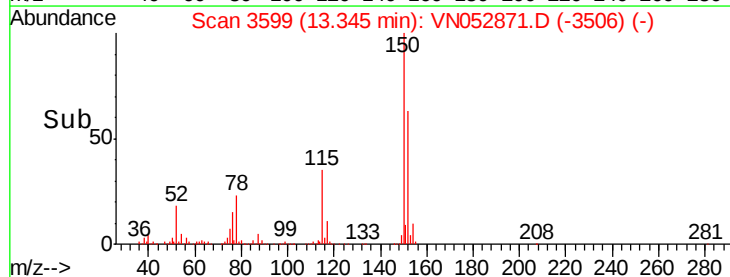
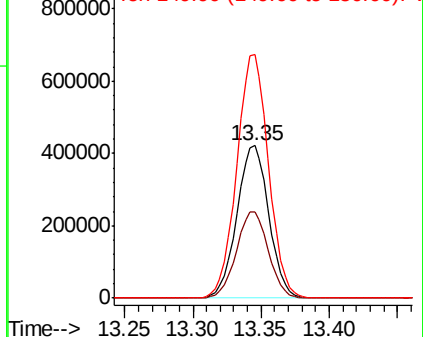
150 158.8 0.0 347.8

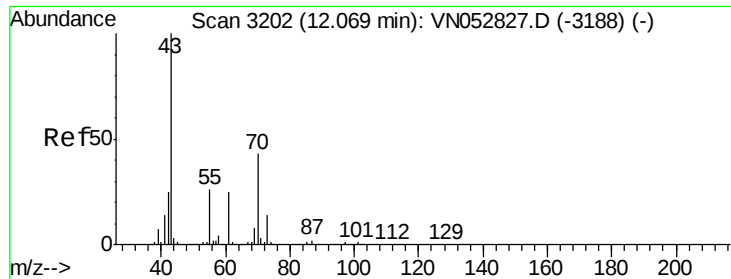


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 3.306 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052871.D

Acq: 13 Dec 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

PB115614ZHE#02

Tot Ion: 43 Resp: 46340

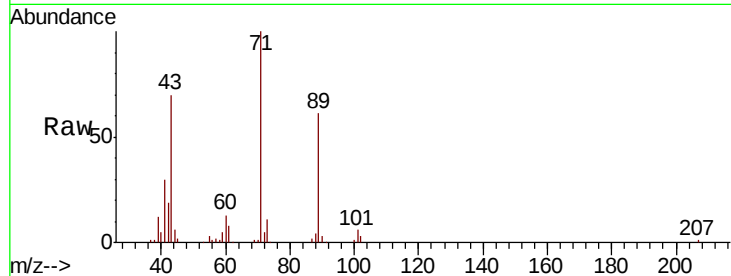
Ion Ratio Lower Upper

43 100

70 1.9 34.2 51.4#

55 4.6 20.3 30.5#

61 11.6 20.0 30.0#

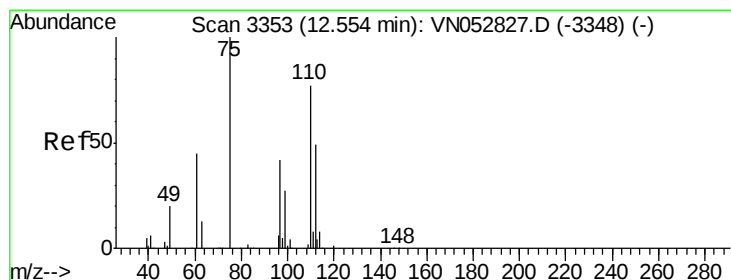
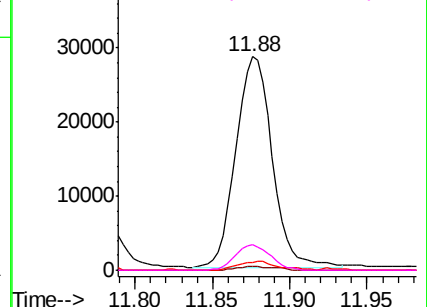
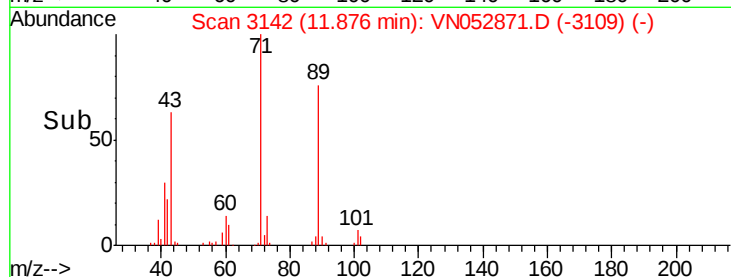


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 35.642 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052871.D

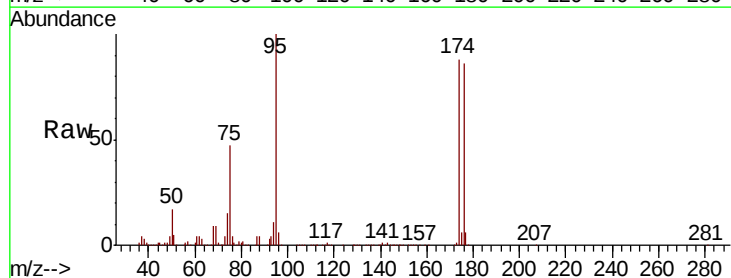
Acq: 13 Dec 2018 18:14

Tgt Ion: 75 Resp: 359562

Ion Ratio Lower Upper

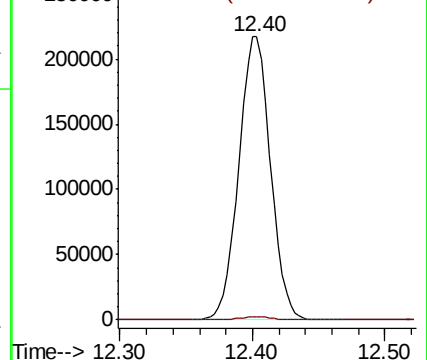
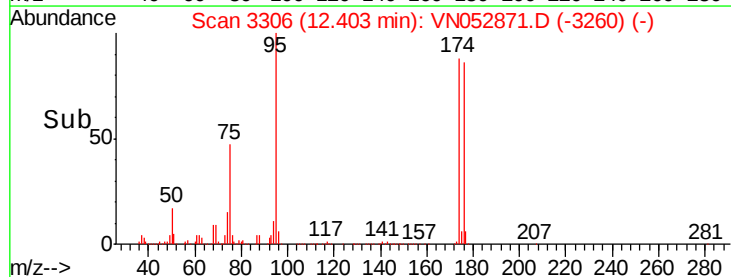
75 100

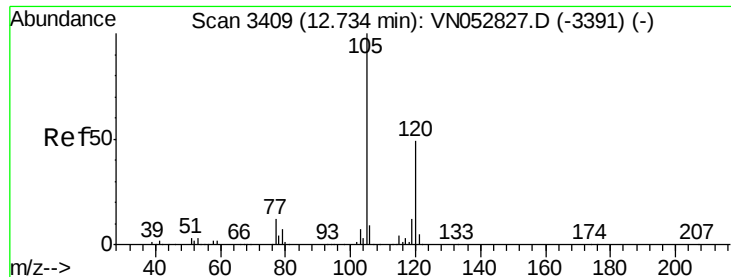
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

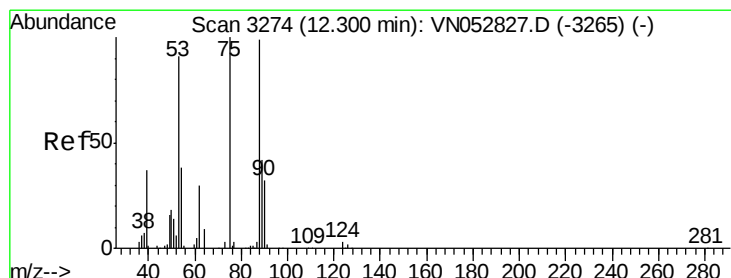
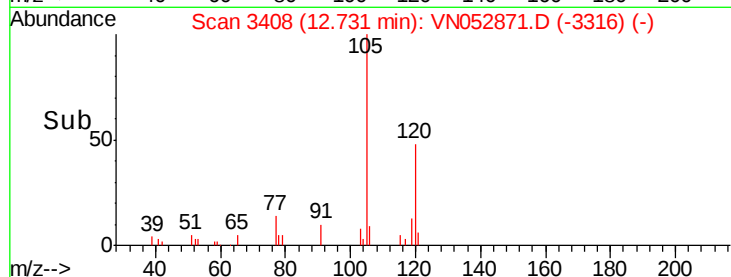
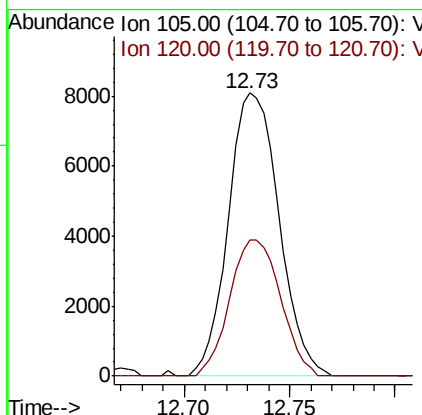
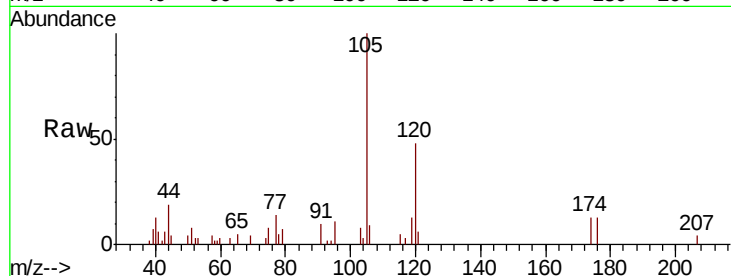




#80
 1,3,5-Trimethylbenzene
 Concen: 0.328 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115614ZHE#02

Tot Ion:105 Resp: 13512
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.501 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052871.D
 Acq: 13 Dec 2018 18:14

Tgt Ion: 75 Resp: 359562
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#

