

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052934.D
 Acq On : 17 Dec 2018 18:18
 Operator : MD\SY
 Sample : PB115729ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#04

Quant Time: Dec 18 04:46:25 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	1216107	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1902028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1659852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	632424	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	622448	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.59	113	428376	40.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.70%	
50) Toluene-d8	10.09	98	2292175	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	723136	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	

Target Compounds

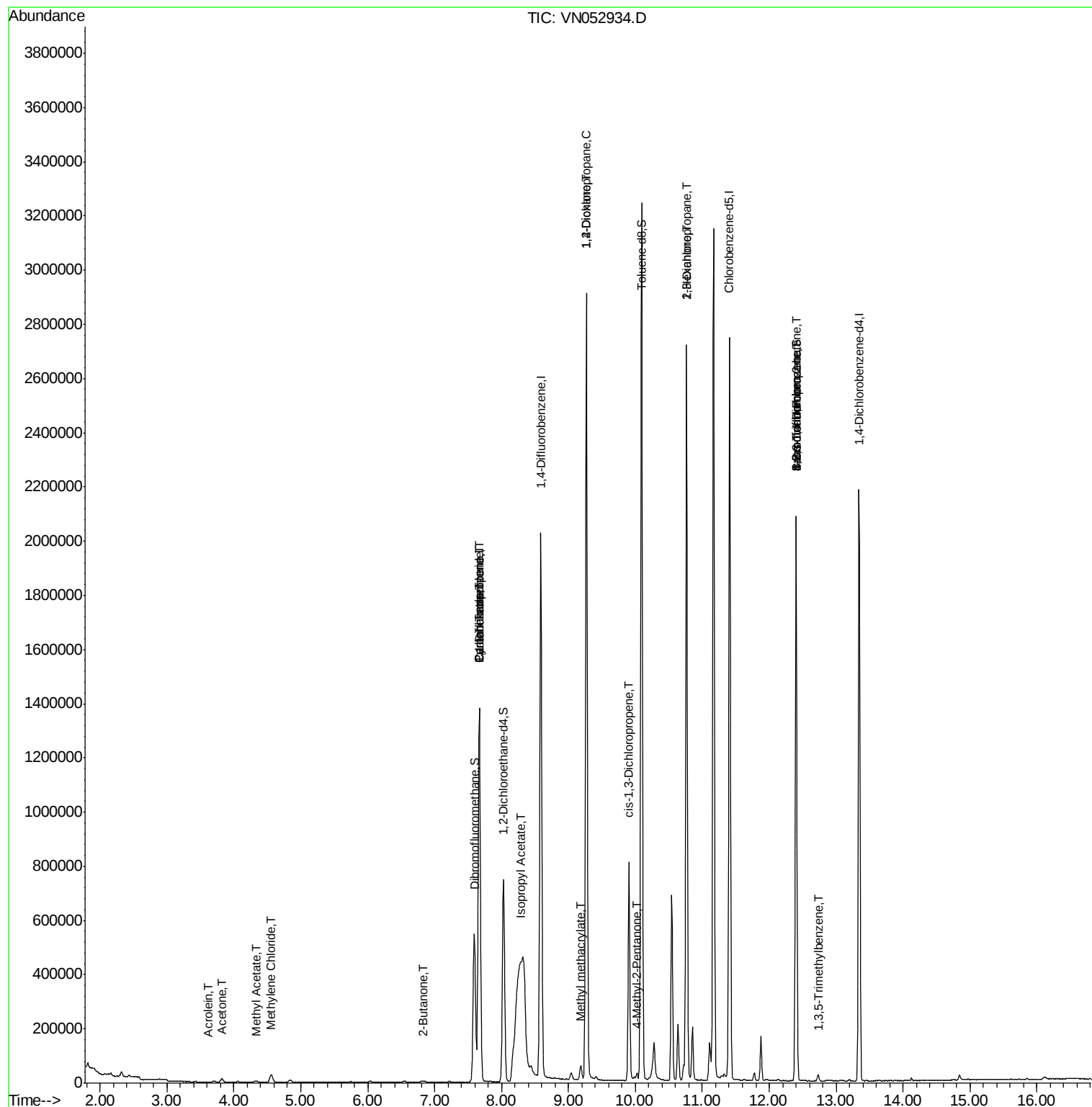
						Qvalue
13) Acrolein	3.61	56	390	0.573	ug/l #	60
16) Acetone	3.82	43	21115	7.271	ug/l	100
18) Methyl Acetate	4.34	43	8427	0.791	ug/l	98
20) Methylene Chloride	4.56	84	21384	1.636	ug/l	95
25) 2-Butanone	6.83	43	1939	0.430	ug/l #	86
31) Cyclohexane	7.67	56	20407	0.355	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	78751	4.496	ug/l #	49
38) Carbon Tetrachloride	7.67	117	105875	6.567	ug/l #	16
43) Isopropyl Acetate	8.28	43	890572	41.282	ug/l #	53
45) 1,2-Dichloropropane	9.27	63	3529	0.256	ug/l #	44
48) Methyl methacrylate	9.18	41	18197	1.923	ug/l #	23
49) 1,4-Dioxane	9.27	88	429	3.995	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	21035	2.126	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	153714	7.741	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	27839	1.428	ug/l #	42
59) 2-Hexanone	10.76	43	387261	57.124	ug/l #	49
71) Bromoform	12.40	173	4466	0.549	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	340170	36.457	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9889	0.259	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	340170	117.118	ug/l #	12

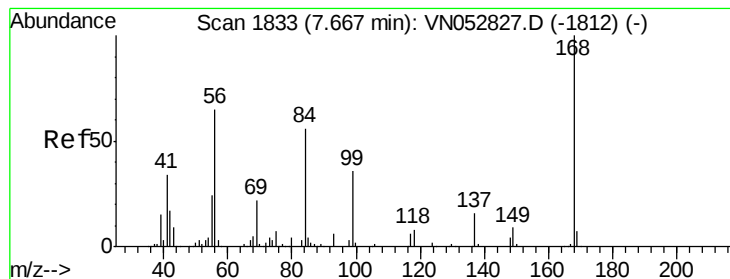
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

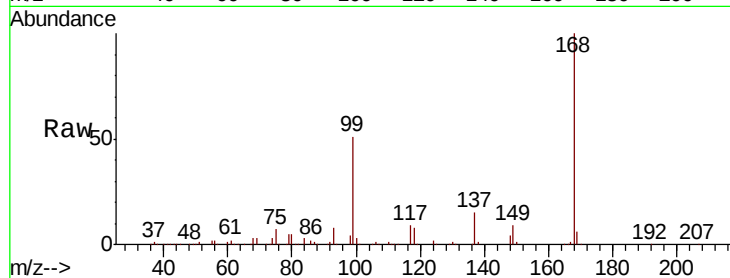
PB115729ZHE#04

Tot Ion:168 Resp: 1216107

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052827.D (-1812) (-)

7.67

600000

500000

400000

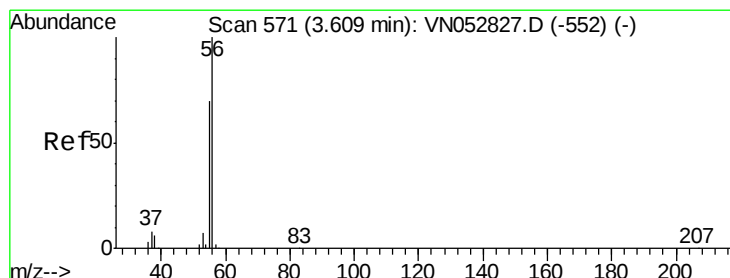
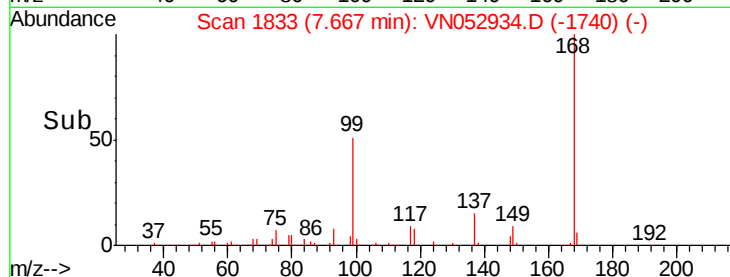
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.573 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052934.D

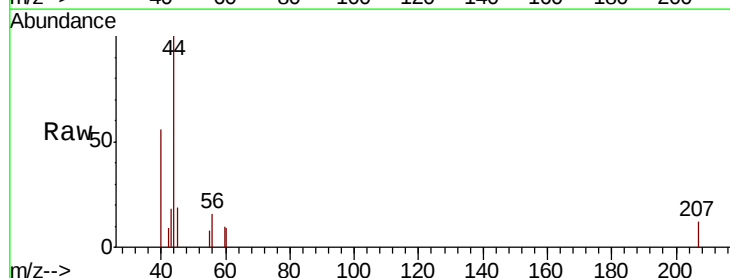
Acq: 17 Dec 2018 18:18

Tgt Ion: 56 Resp: 390

Ion Ratio Lower Upper

56 100

55 37.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.61

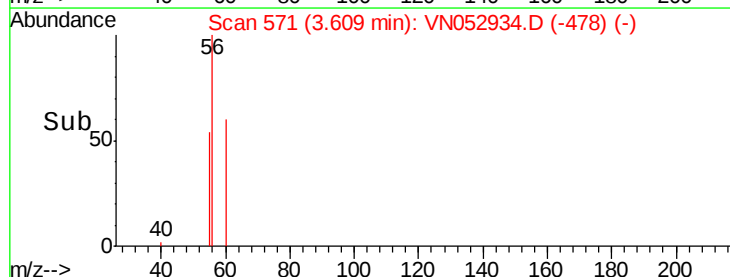
300

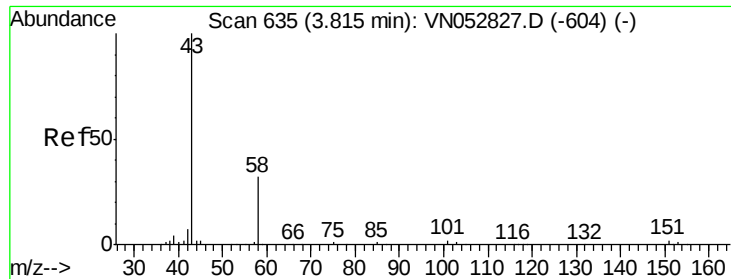
200

100

0

Time-->





#16

Acetone

Concen: 7.271 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

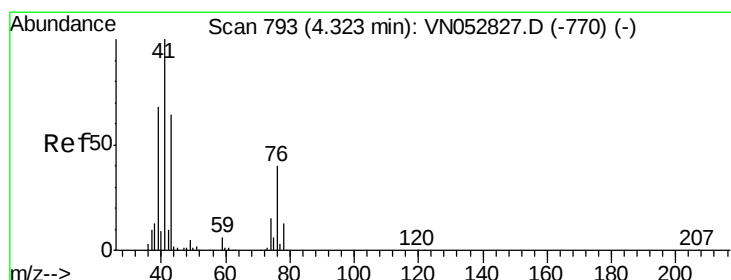
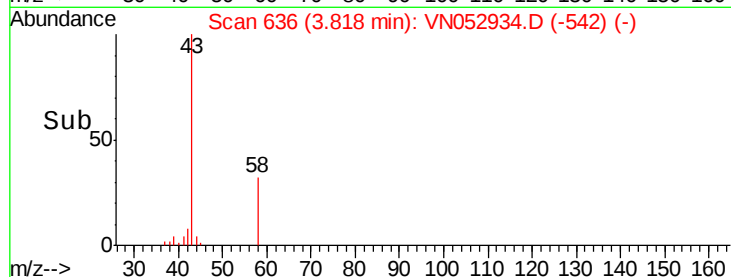
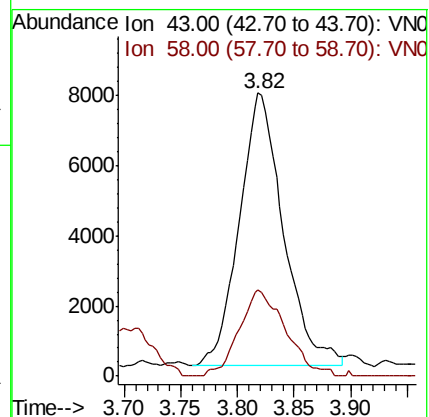
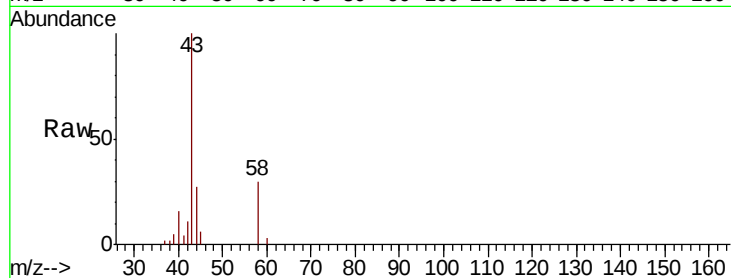
PB115729ZHE#04

Tot Ion: 43 Resp: 21115

Ion Ratio Lower Upper

43 100

58 31.6 25.4 38.0



#18

Methyl Acetate

Concen: 0.791 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052934.D

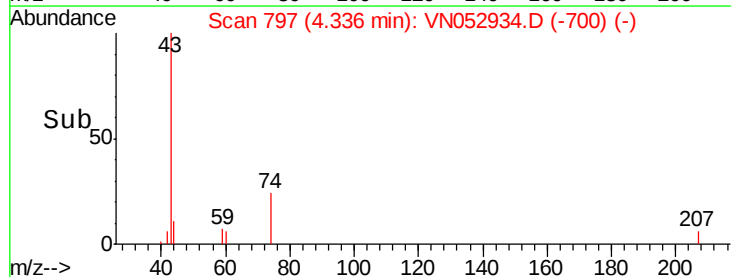
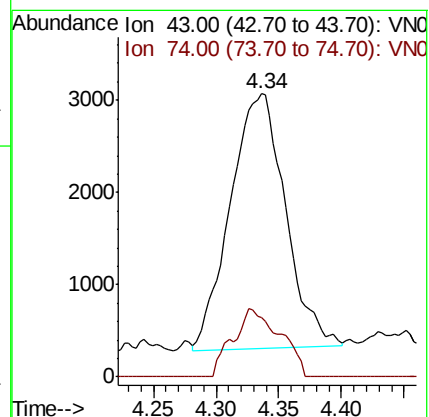
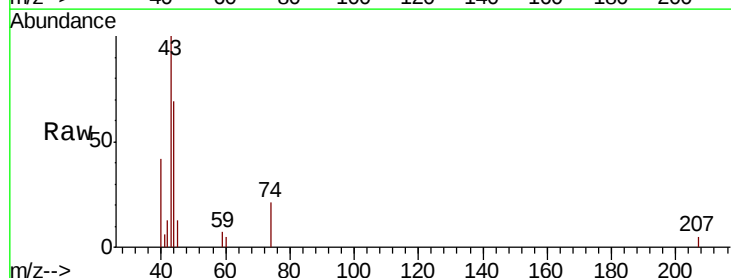
Acq: 17 Dec 2018 18:18

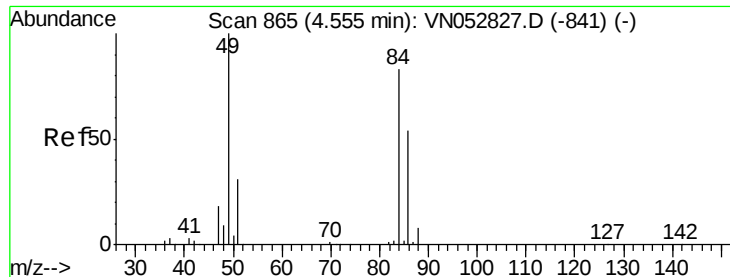
Tgt Ion: 43 Resp: 8427

Ion Ratio Lower Upper

43 100

74 22.9 19.2 28.8

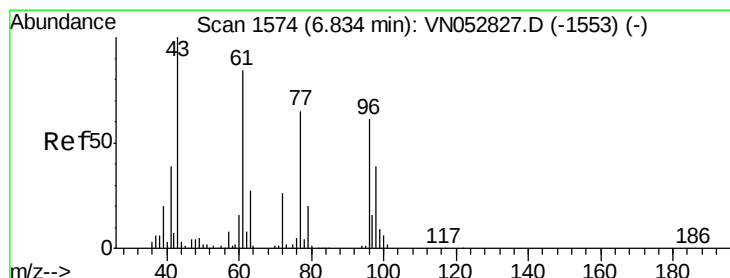
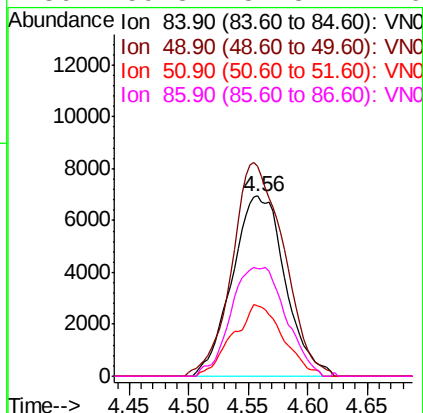
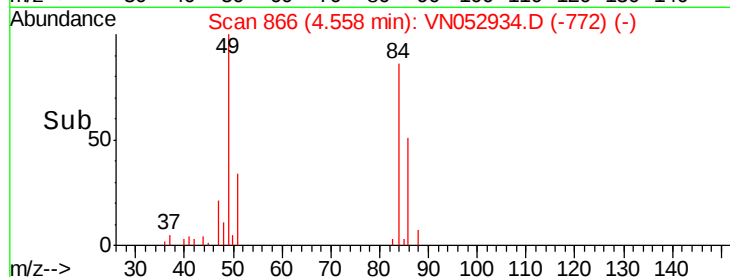
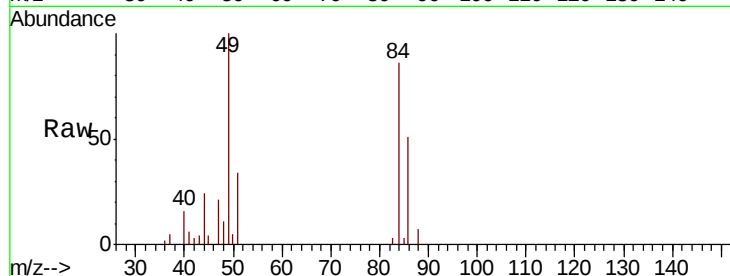




#20
Methvlene Chloride
Concen: 1.636 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

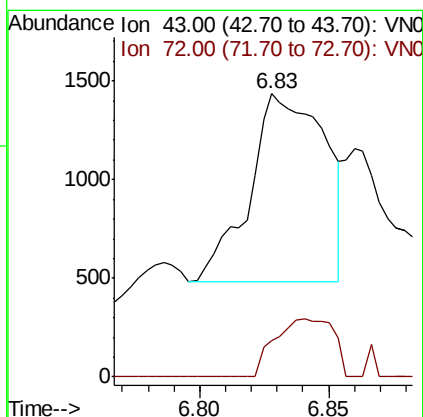
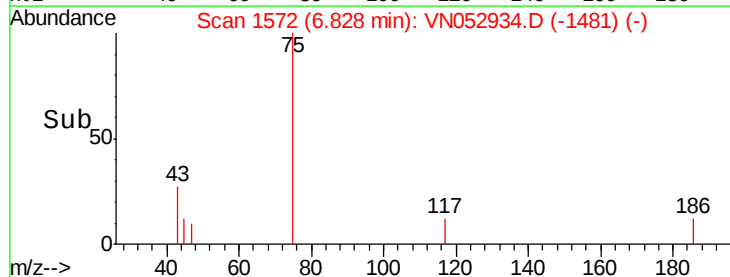
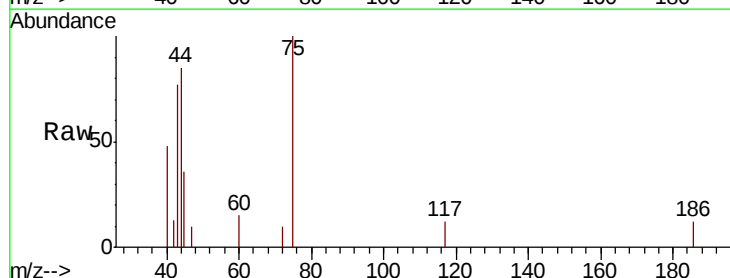
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#04

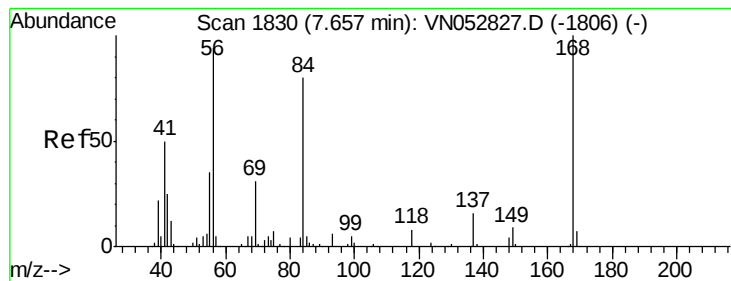
Tot Ion: 84 Resp: 21384
Ion Ratio Lower Upper
84 100
49 116.4 96.8 145.2
51 39.4 29.9 44.9
86 59.8 51.8 77.6



#25
2-Butanone
Concen: 0.430 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
72 19.3 21.0 31.6#





#31

Cyclohexane

Concen: 0.355 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#04

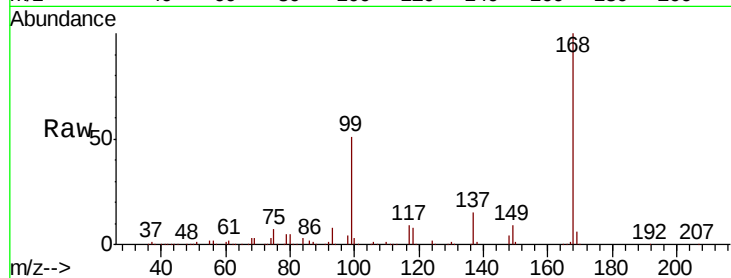
Tot Ion: 56 Resp: 20407

Ion Ratio Lower Upper

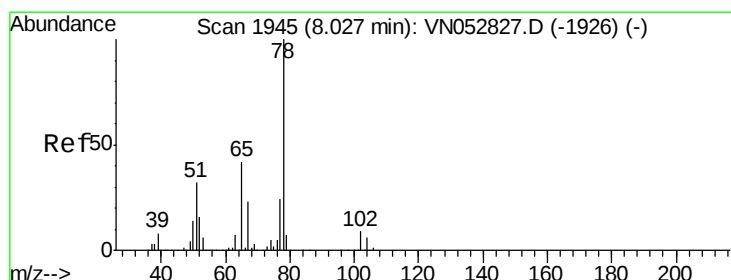
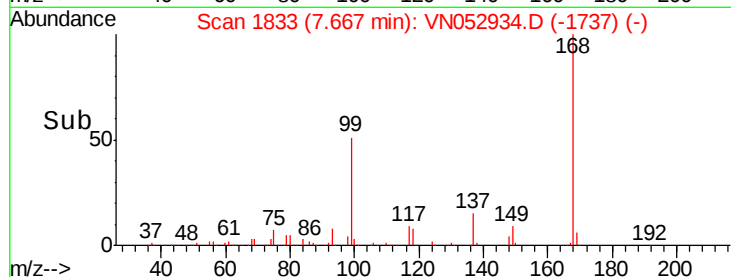
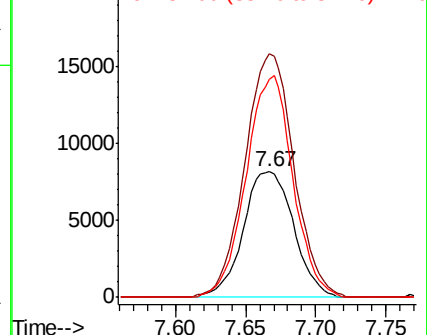
56 100

69 193.5 26.6 39.8#

84 173.4 68.4 102.6#



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# 1945

Delta R.T. 0.00 min

Lab File: VN052934.D

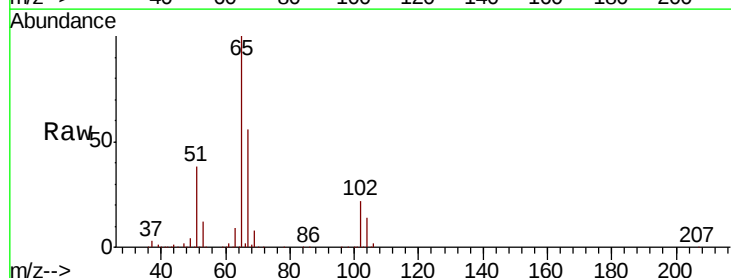
Acq: 17 Dec 2018 18:18

Tgt Ion: 65 Resp: 622448

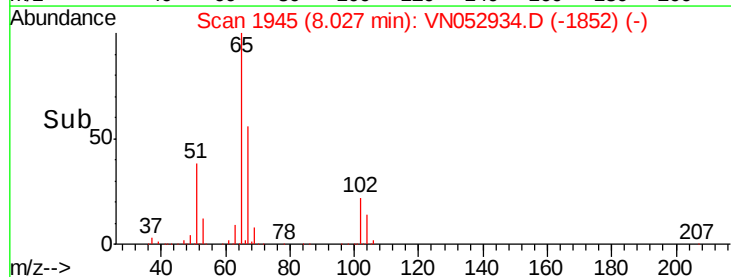
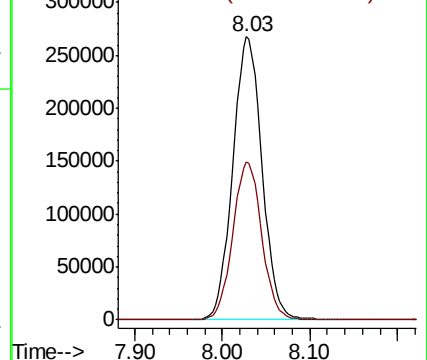
Ion Ratio Lower Upper

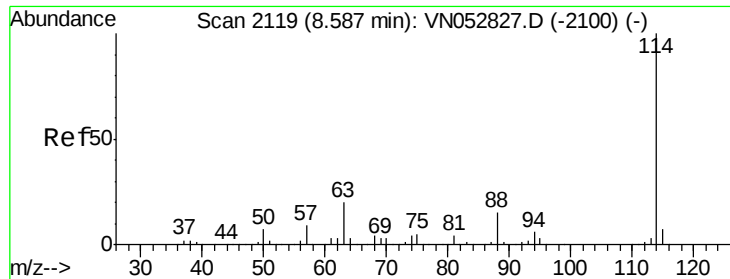
65 100

67 55.0 0.0 110.4



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

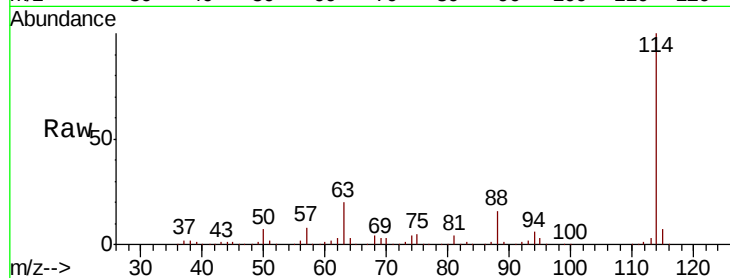




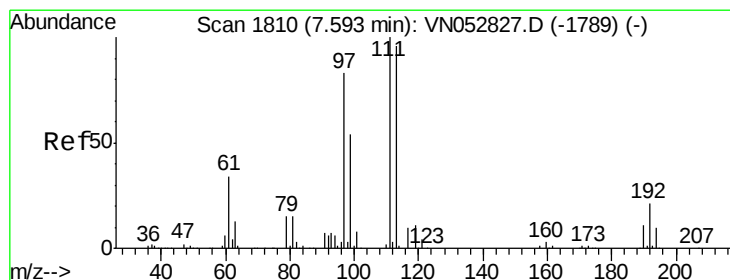
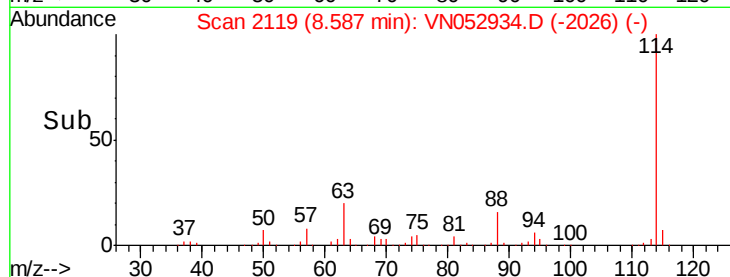
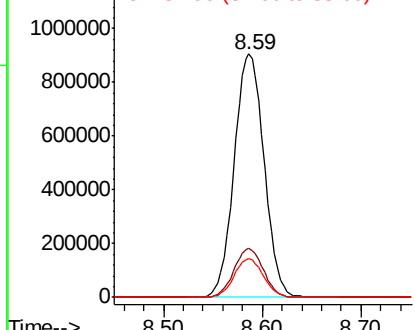
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052934.D
 Acq: 17 Dec 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#04

Tot Ion:114 Resp: 1902028
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.8 0.0 31.0

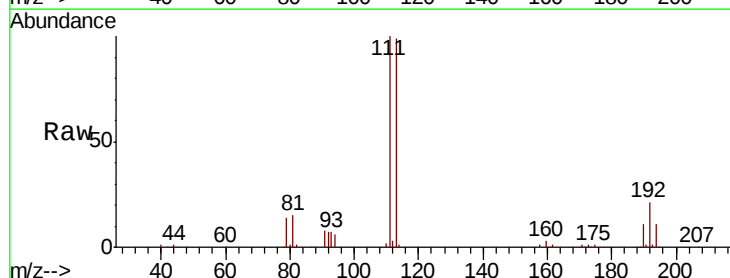


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

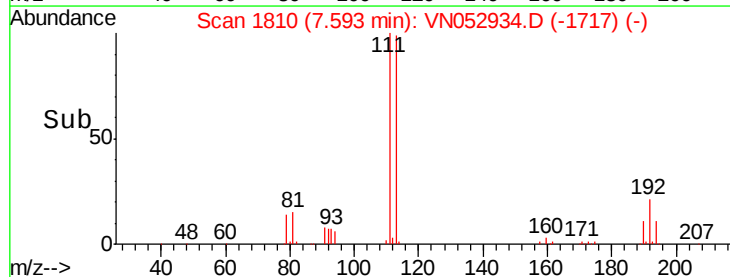
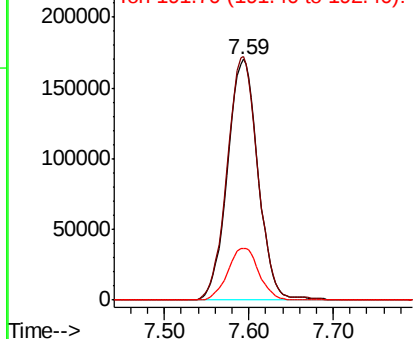


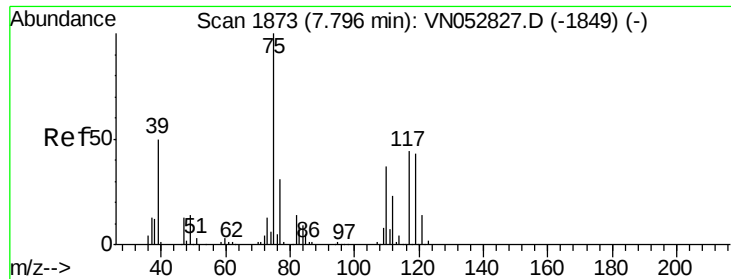
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052934.D
 Acq: 17 Dec 2018 18:18

Tgt Ion:113 Resp: 428376
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.0 124.4
 192 22.0 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

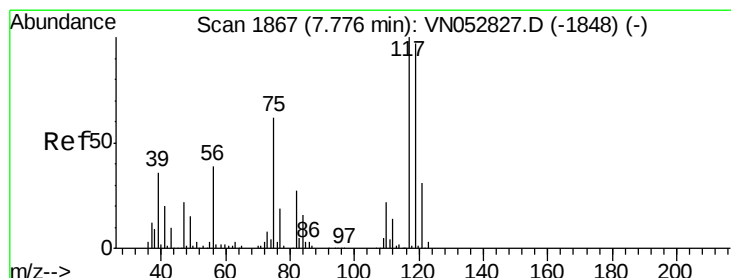
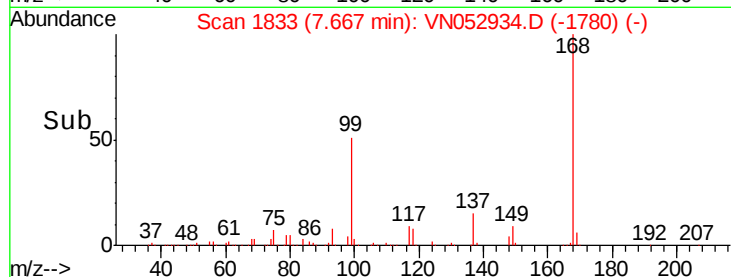
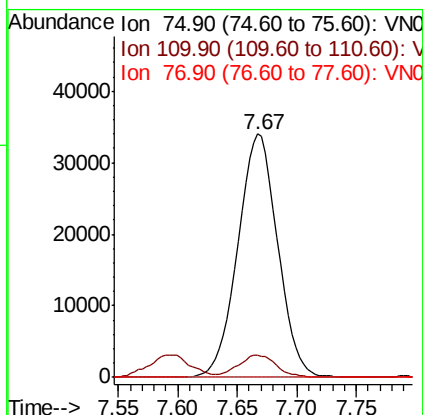
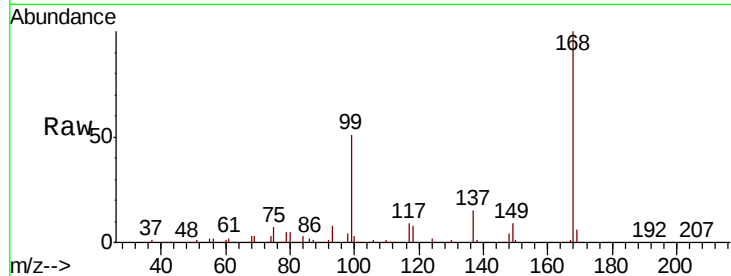




#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052934.D
 Acq: 17 Dec 2018 18:18

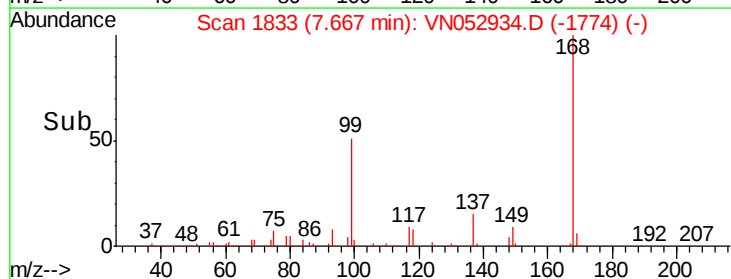
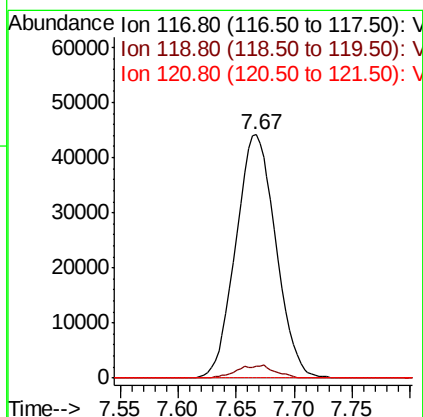
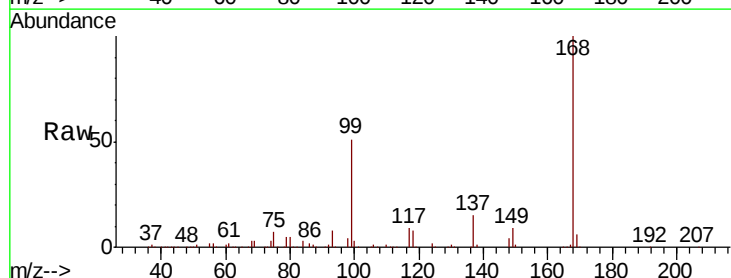
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#04

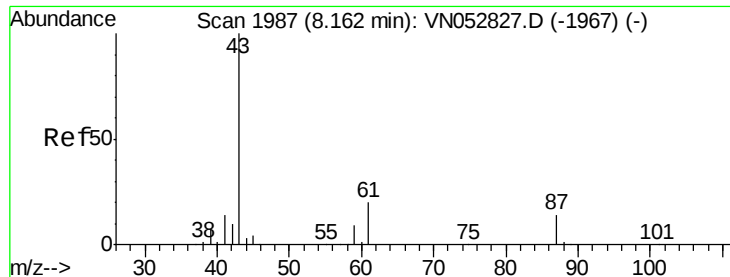
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.7	18.2	54.6#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.567 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052934.D
 Acq: 17 Dec 2018 18:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.8	77.1	115.7#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 41.282 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.12 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#04

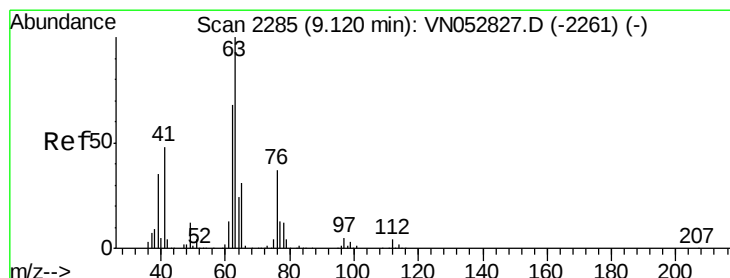
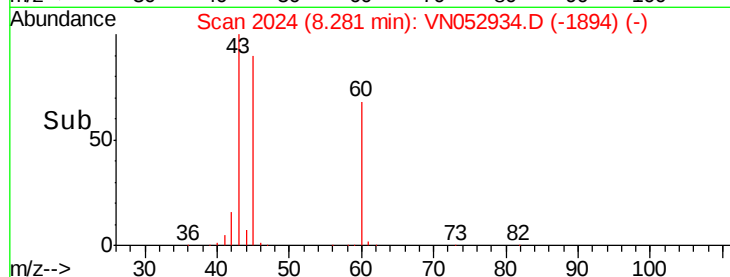
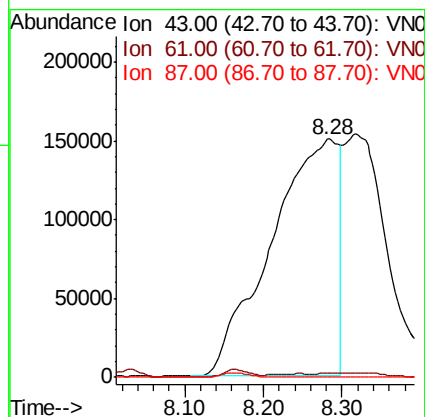
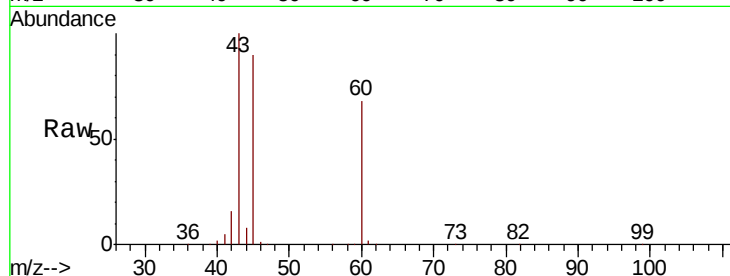
Tot Ion: 43 Resp: 890572

Ion Ratio Lower Upper

43 100

61 0.1 22.9 34.3#

87 0.0 10.6 15.8#



#45

1,2-Dichloropropane

Concen: 0.256 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.14 min

Lab File: VN052934.D

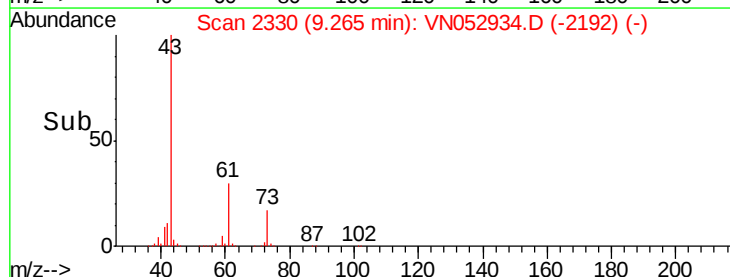
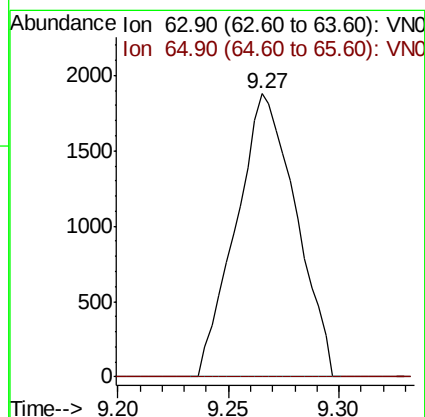
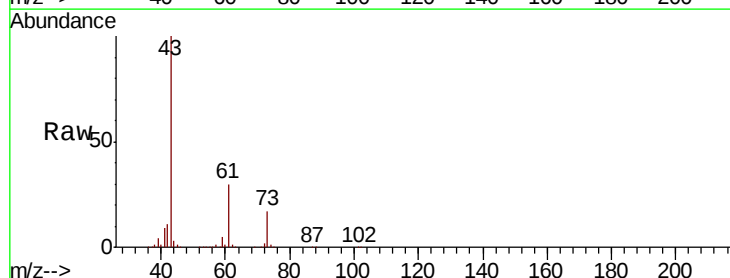
Acq: 17 Dec 2018 18:18

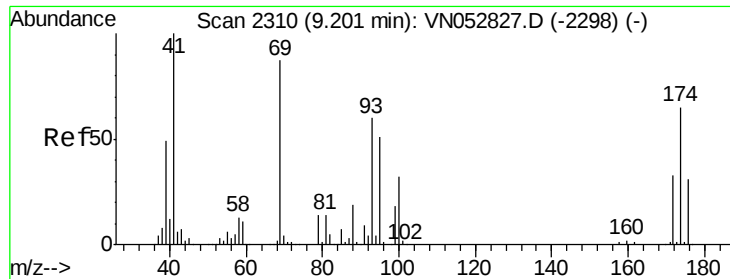
Tgt Ion: 63 Resp: 3529

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#

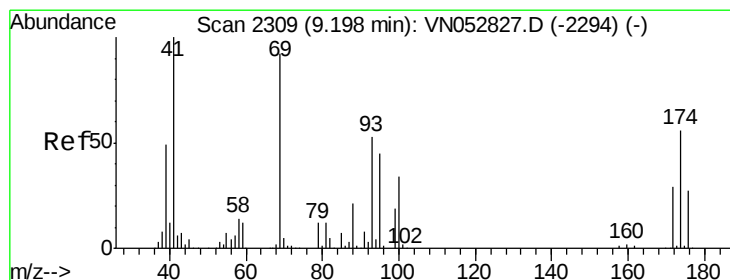
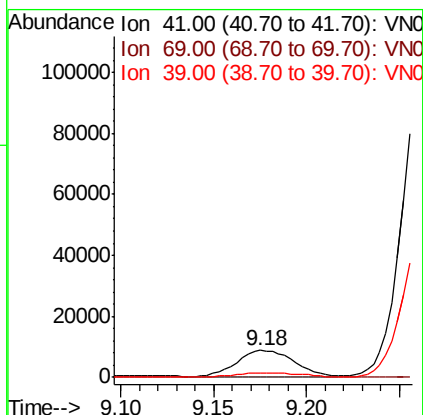
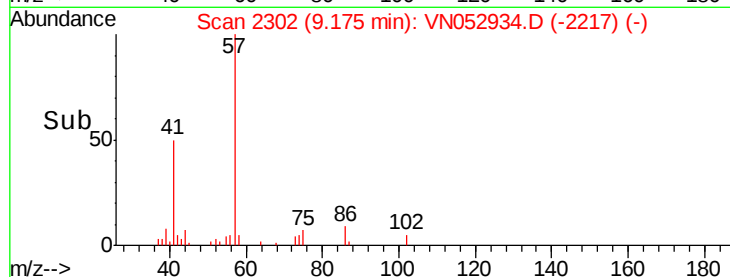
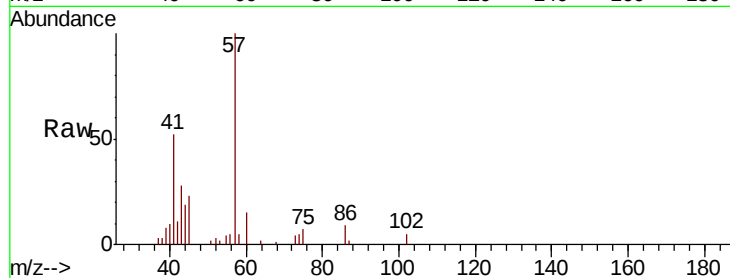




#48
Methvl methacrylate
Concen: 1.923 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

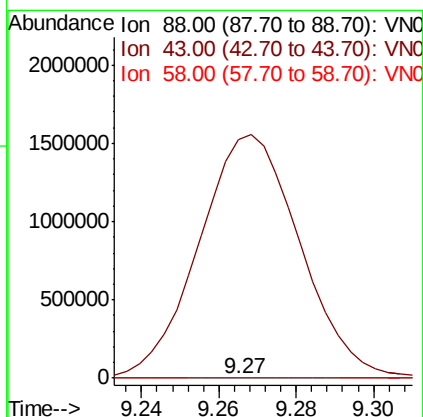
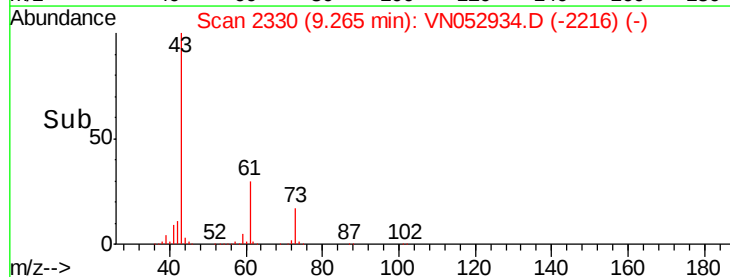
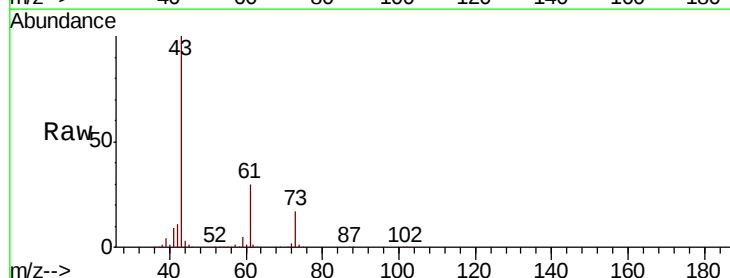
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#04

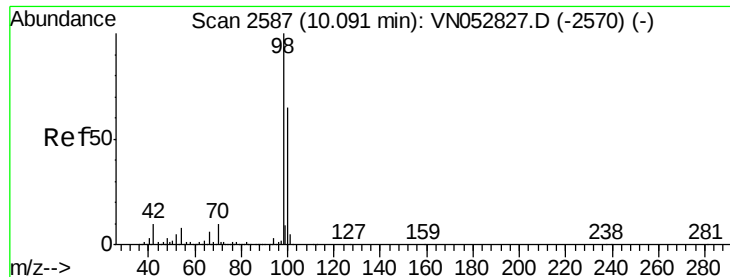
Tot Ion: 41 Resp: 18197
Ion Ratio Lower Upper
41 100
69 0.0 72.2 108.2#
39 20.7 41.9 62.9#



#49
1,4-Dioxane
Concen: 3.995 ug/l
RT: 9.27 min Scan# 2330
Delta R.T. 0.07 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

Tgt Ion: 88 Resp: 429
Ion Ratio Lower Upper
88 100
43 661779.0 26.6 40.0#
58 2823.1 58.4 87.6#





#50

Toluene-d8

Concen: 3.995 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

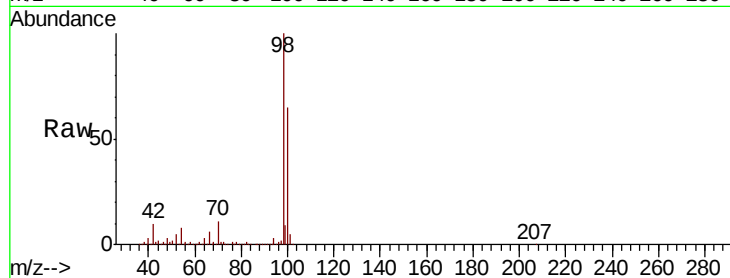
PB115729ZHE#04

Tot Ion: 98 Resp: 2292175

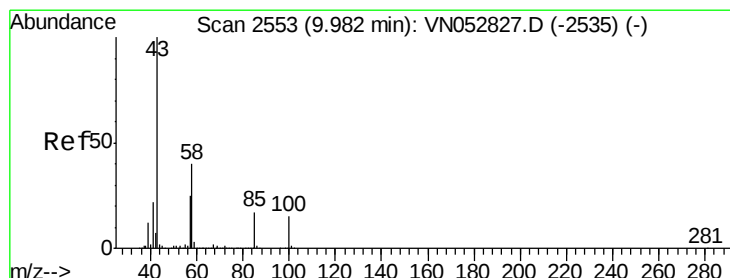
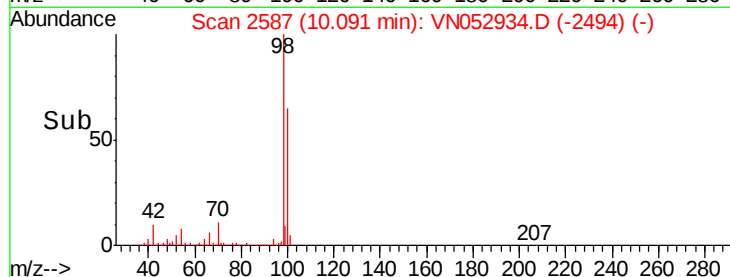
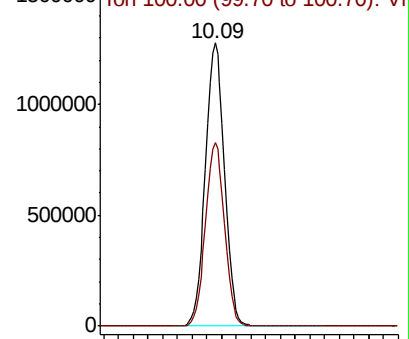
Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052827.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 2.126 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052934.D

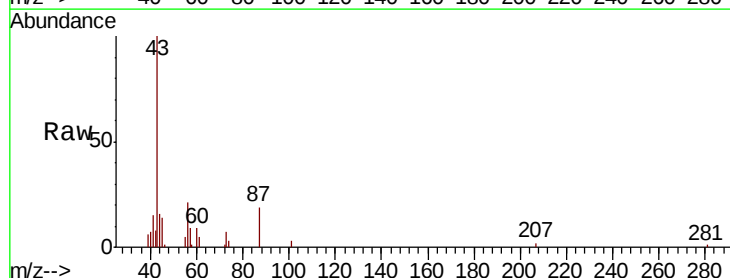
Acq: 17 Dec 2018 18:18

Tgt Ion: 43 Resp: 21035

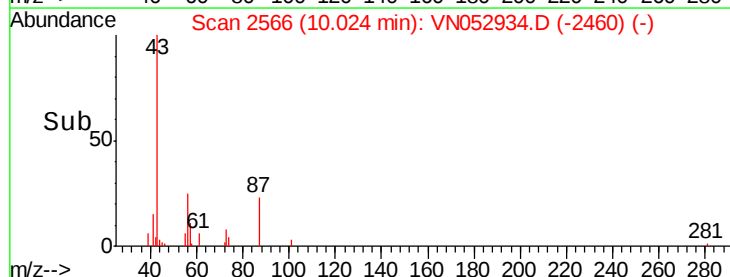
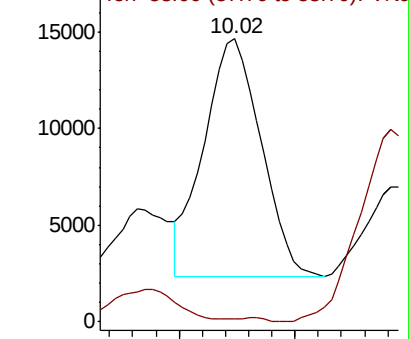
Ion Ratio Lower Upper

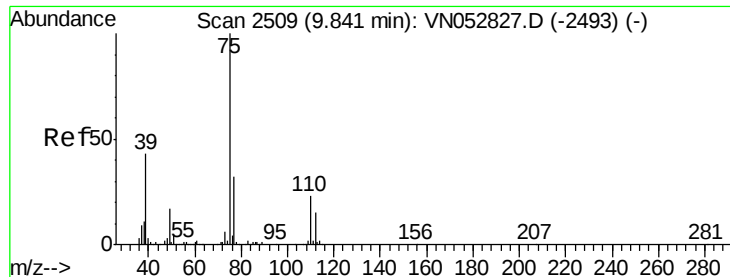
43 100

58 0.0 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)





#54

cis-1,3-Dichloropropene

Concen: 7.741 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#04

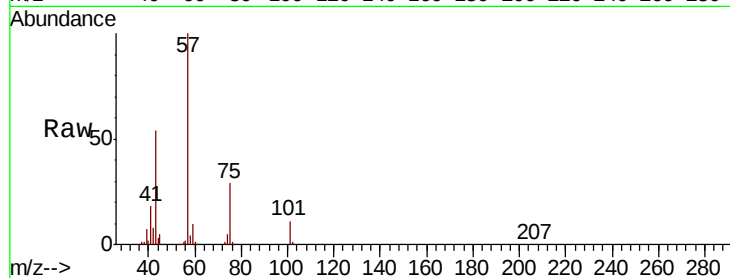
Tot Ion: 75 Resp: 153714

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

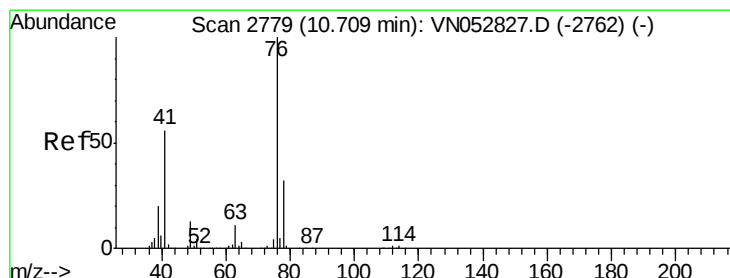
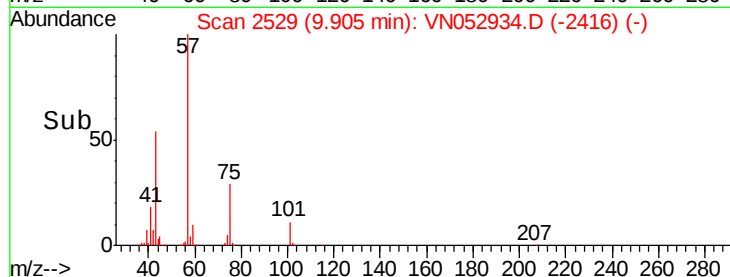
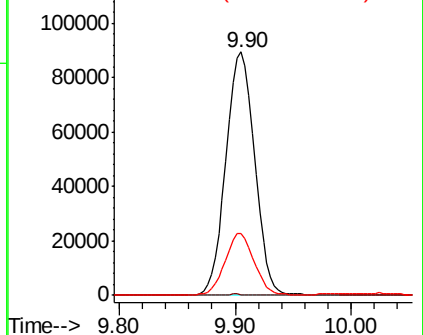
39 25.6 34.8 52.2#



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: 1.428 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052934.D

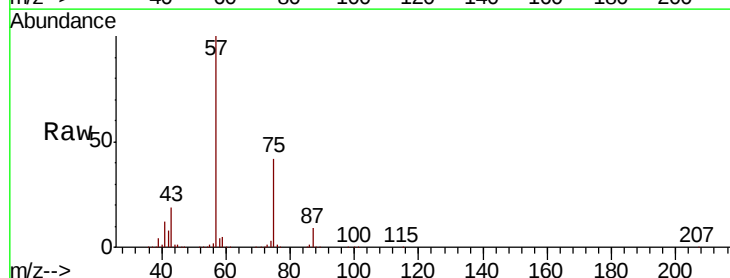
Acq: 17 Dec 2018 18:18

Tgt Ion: 76 Resp: 27839

Ion Ratio Lower Upper

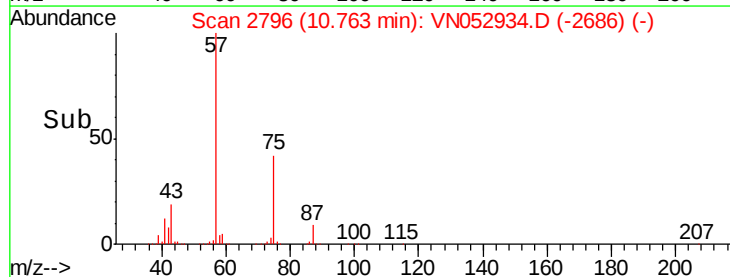
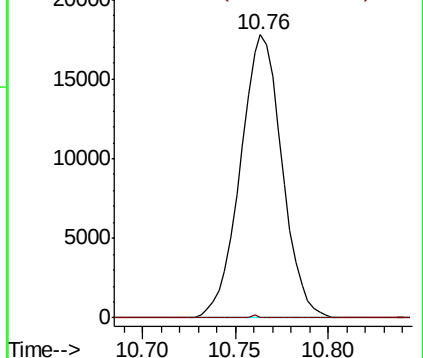
76 100

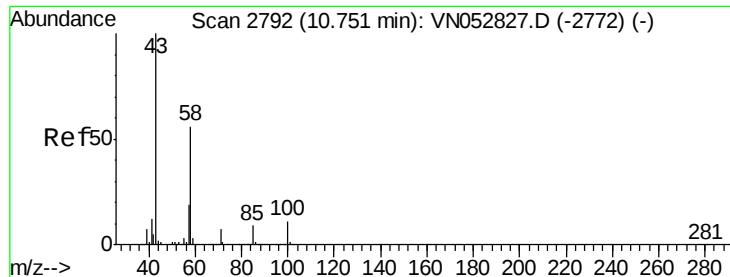
78 0.1 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

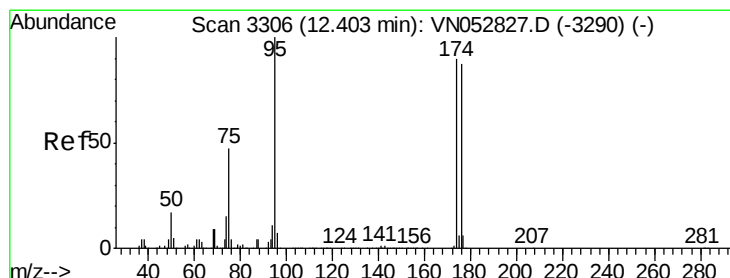
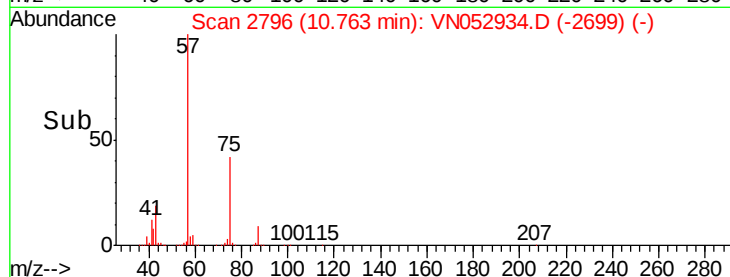
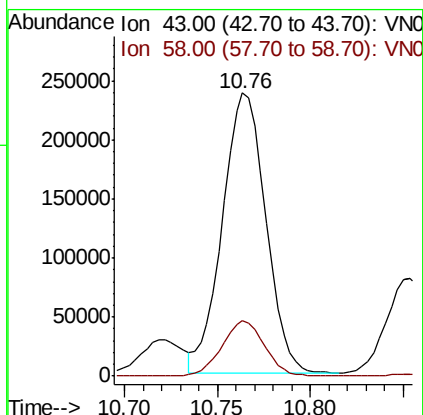
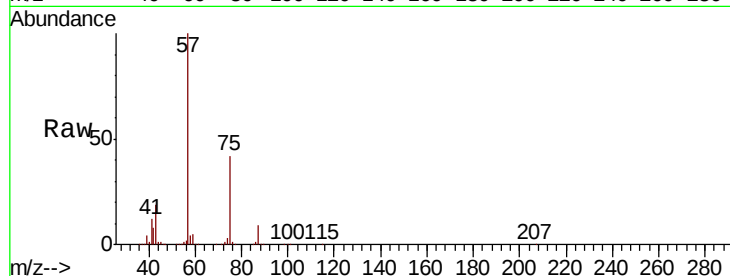




#59
2-Hexanone
Concen: 57.124 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

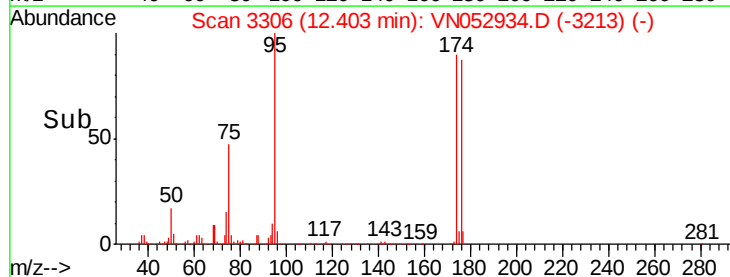
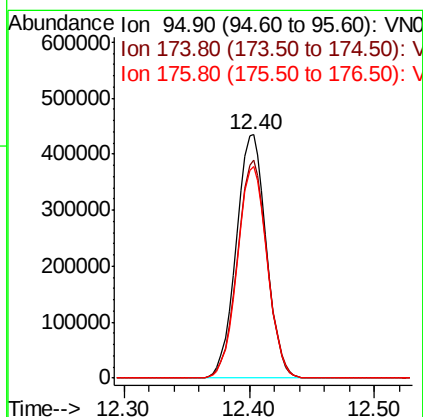
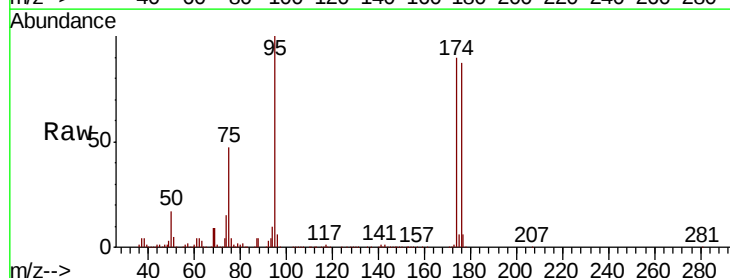
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#04

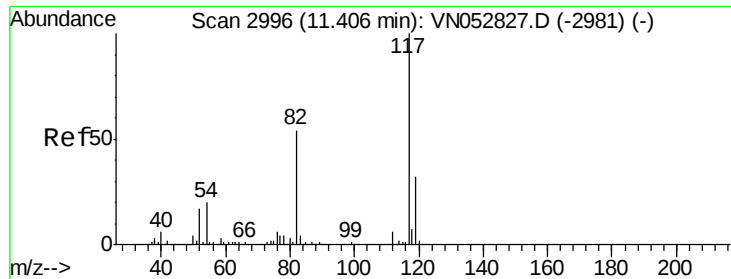
Tot Ion: 43 Resp: 387261
Ion Ratio Lower Upper
43 100
58 19.1 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

Tgt Ion: 95 Resp: 723136
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.8
176 86.4 0.0 173.8

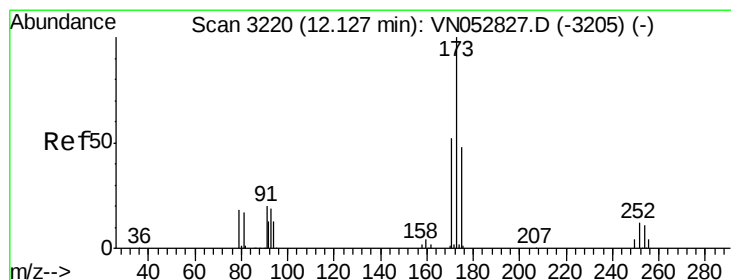
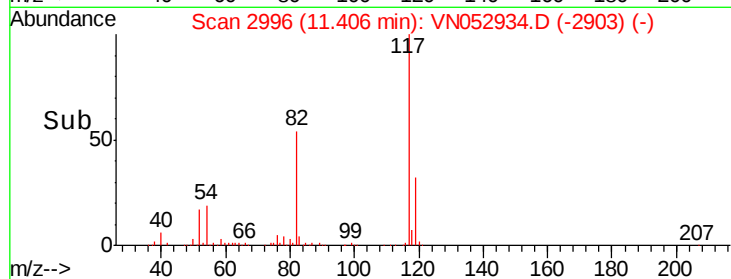
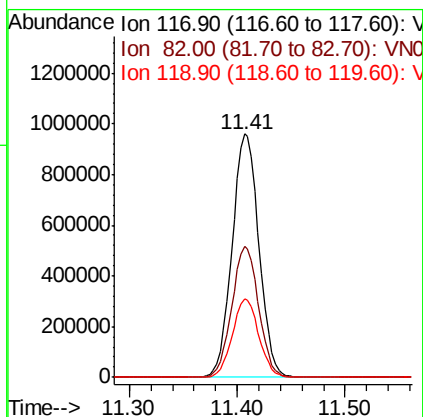
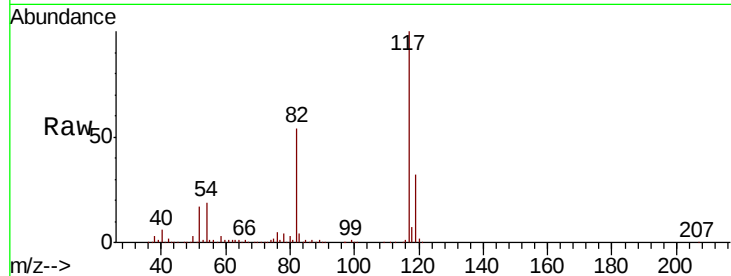




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

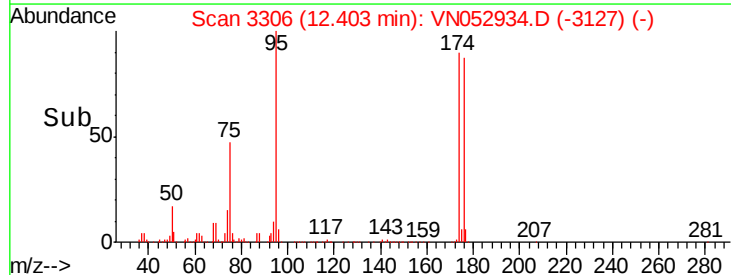
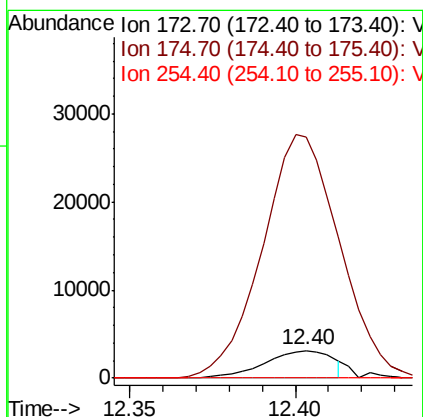
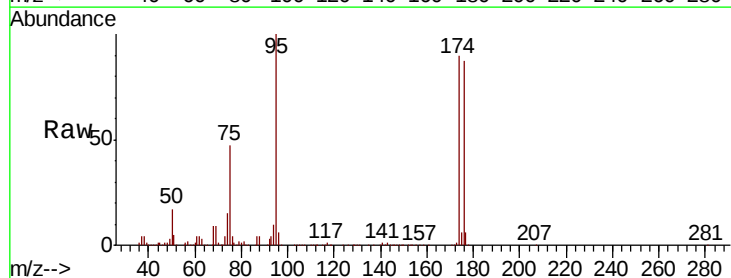
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#04

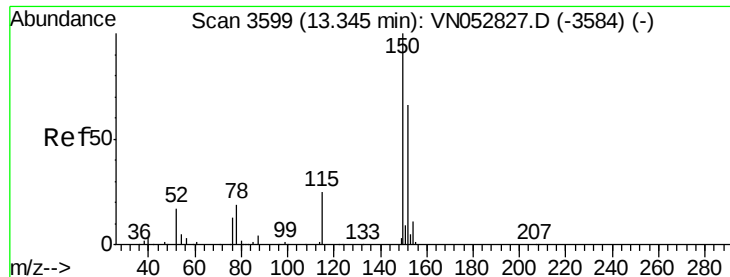
Tot Ion:117 Resp: 1659852
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.2 25.5 38.3



#71
Bromoform
Concen: 0.549 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052934.D
Acq: 17 Dec 2018 18:18

Tgt Ion:173 Resp: 4466
Ion Ratio Lower Upper
173 100
175 880.6 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#04

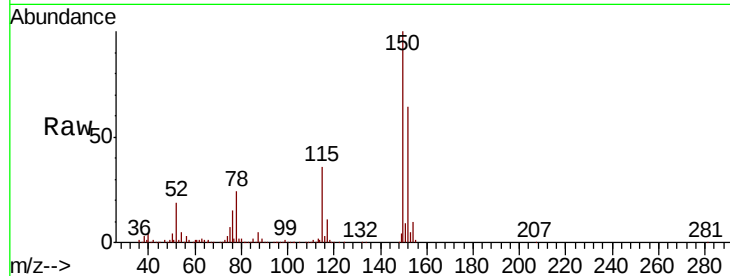
Tot Ion:152 Resp: 632424

Ion Ratio Lower Upper

152 100

115 56.2 28.3 85.0

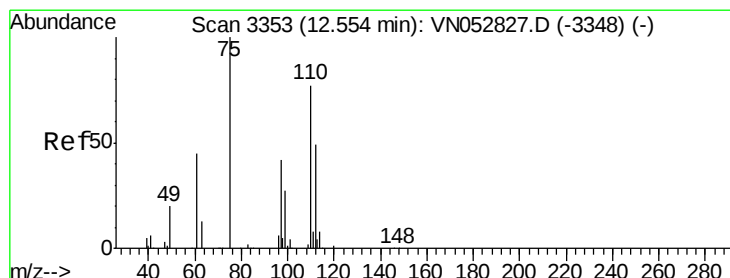
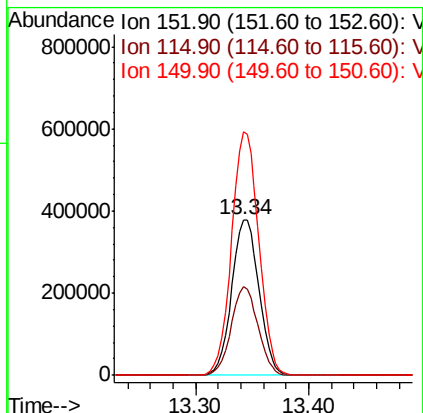
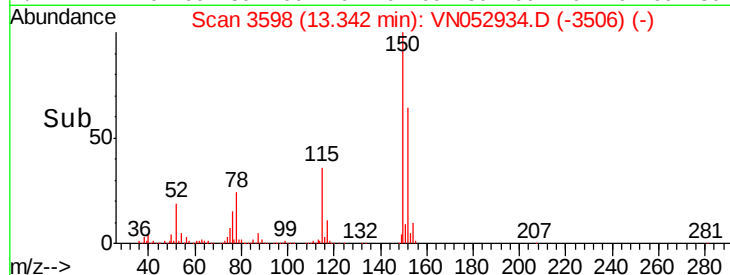
150 156.5 0.0 347.8



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



#76

1,2,3-Trichloropropane

Concen: 36.457 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052934.D

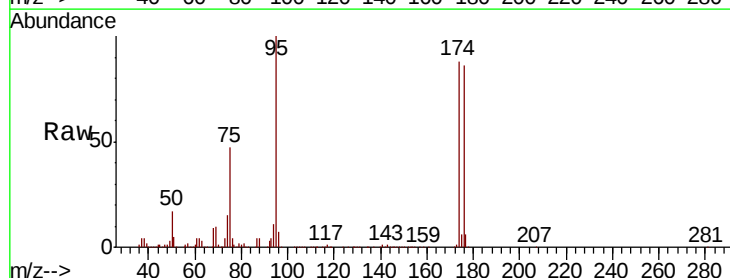
Acq: 17 Dec 2018 18:18

Tgt Ion: 75 Resp: 340170

Ion Ratio Lower Upper

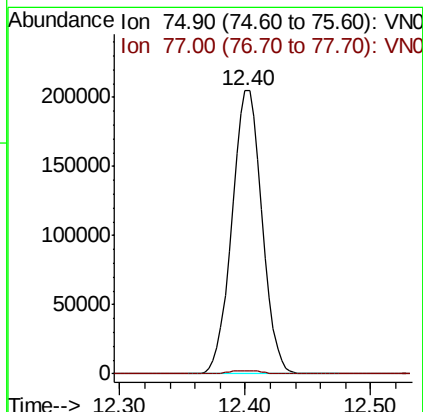
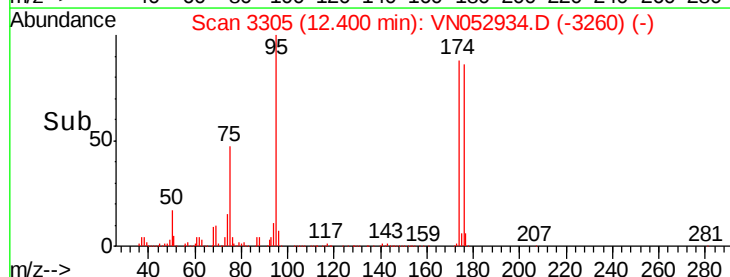
75 100

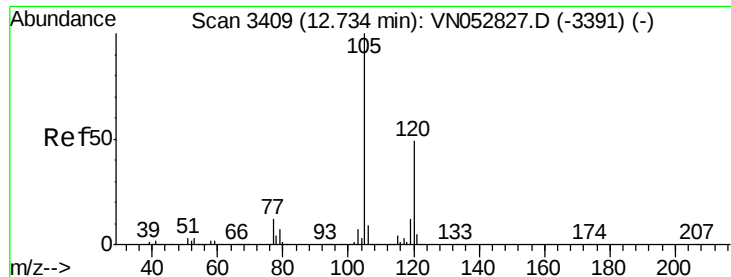
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

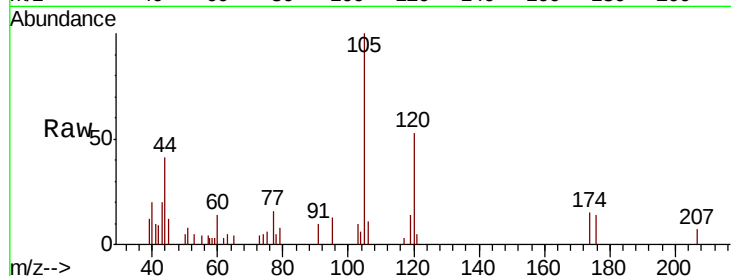
PB115729ZHE#04

Tot Ion:105 Resp: 9889

Ion Ratio Lower Upper

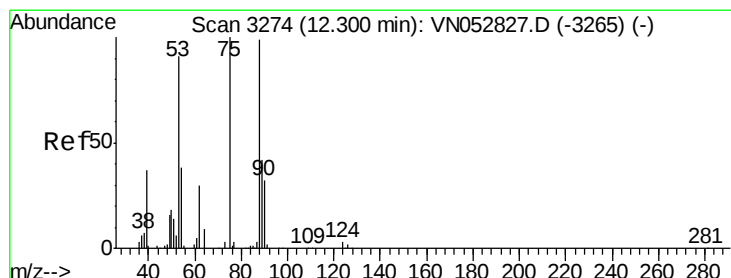
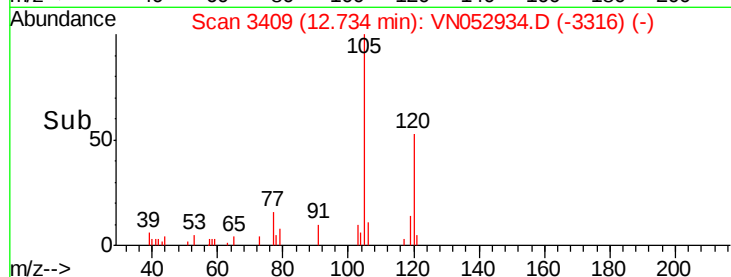
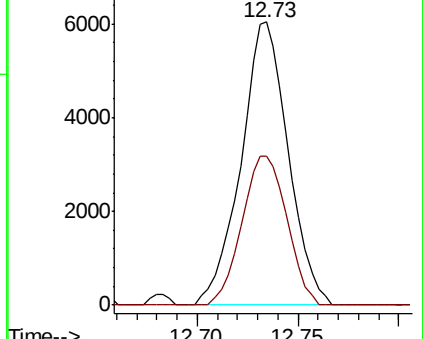
105 100

120 50.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 117.118 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052934.D

Acq: 17 Dec 2018 18:18

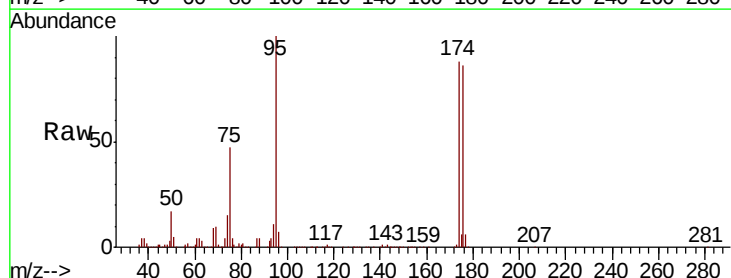
Tgt Ion: 75 Resp: 340170

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

