

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052936.D
 Acq On : 17 Dec 2018 19:11
 Operator : MD\SY
 Sample : PB115729ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#06

Quant Time: Dec 18 04:46:51 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	1347583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2098945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1903493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	768570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	691367	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	7.59	113	453103	38.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.34%	
50) Toluene-d8	10.09	98	2583109	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.40	95	865770	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

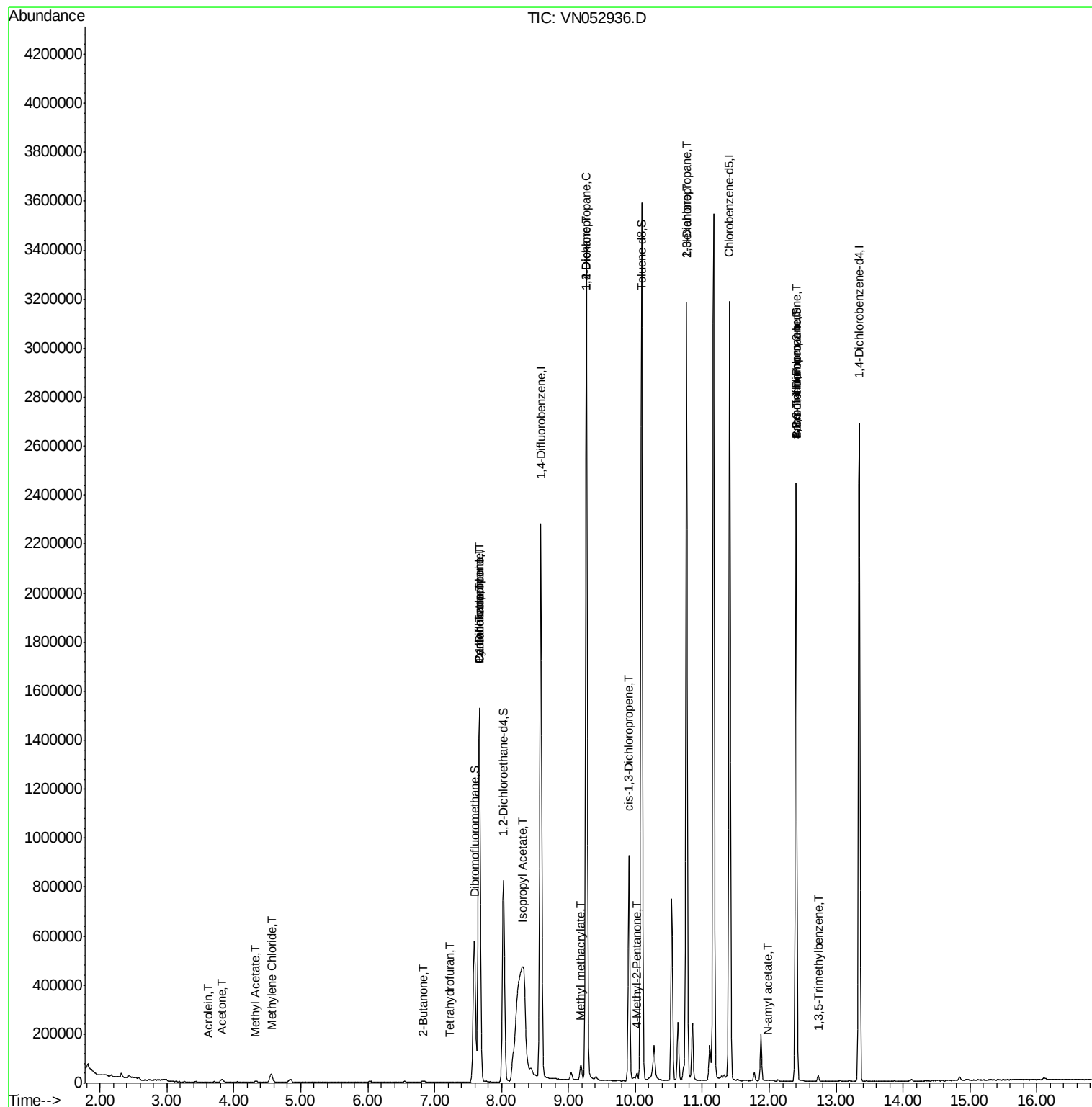
						Qvalue
13) Acrolein	3.61	56	328	0.435	ug/l #	73
16) Acetone	3.82	43	22098	6.867	ug/l	92
18) Methyl Acetate	4.33	43	9226	0.781	ug/l	93
20) Methylene Chloride	4.55	84	25400	1.754	ug/l	97
25) 2-Butanone	6.83	43	1280	0.256	ug/l #	49
29) Tetrahydrofuran	7.22	42	1192	0.350	ug/l #	83
31) Cyclohexane	7.67	56	22580	0.354	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	90539	4.684	ug/l #	49
38) Carbon Tetrachloride	7.67	117	116154	6.529	ug/l #	16
43) Isopropyl Acetate	8.30	43	1042280	43.781	ug/l #	53
45) 1,2-Dichloropropane	9.27	63	4200	0.276	ug/l #	44
48) Methyl methacrylate	9.18	41	21281	2.038	ug/l #	23
49) 1,4-Dioxane	9.26	88	454	3.831	ug/l #	1
51) 4-Methyl-2-Pentanone	10.02	43	26670	2.443	ug/l #	35
54) cis-1,3-Dichloropropene	9.90	75	171984	7.849	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	33250	1.546	ug/l #	43
59) 2-Hexanone	10.76	43	451882	60.403	ug/l #	50
71) Bromoform	12.40	173	5365	0.575	ug/l #	1
74) N-amyl acetate	11.98	43	3262	0.207	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	401158	35.377	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9944	0.215	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	401158	113.649	ug/l #	12

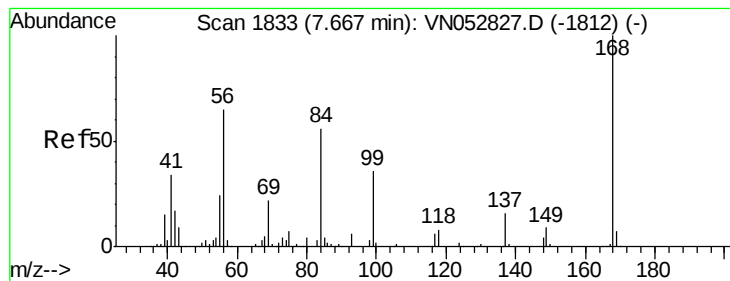
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121718\
Data File : VN052936.D
Acq On : 17 Dec 2018 19:11
Operator : MD\SY
Sample : PB115729ZHE#06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 23 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

Quant Time: Dec 18 04:46:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 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: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

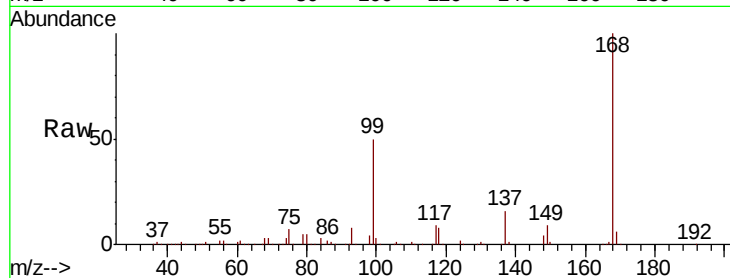
PB115729ZHE#06

Tot Ion:168 Resp: 1347583

Ion Ratio Lower Upper

168 100

99 50.2 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

500000

400000

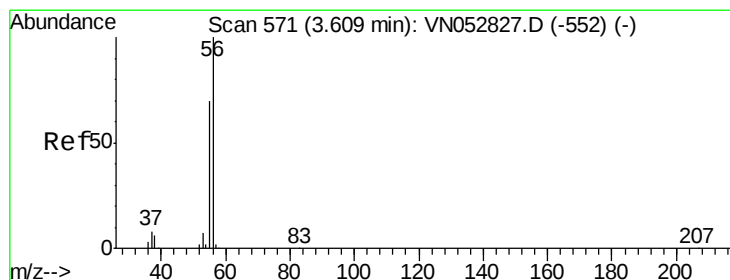
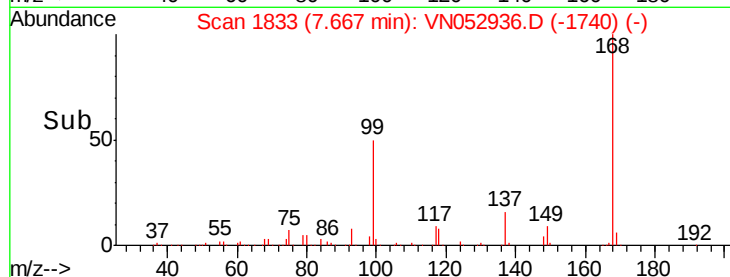
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.435 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052936.D

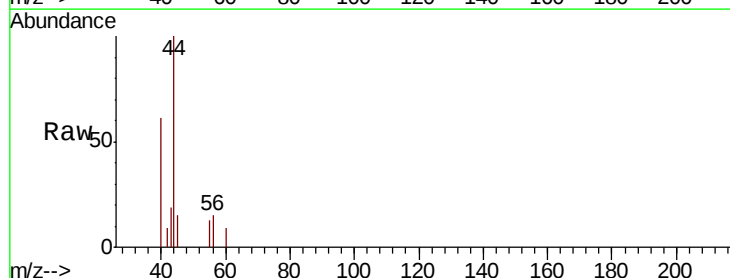
Acq: 17 Dec 2018 19:11

Tgt Ion: 56 Resp: 328

Ion Ratio Lower Upper

56 100

55 93.3 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.61

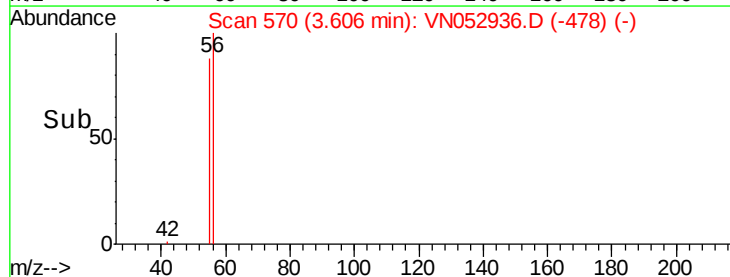
300

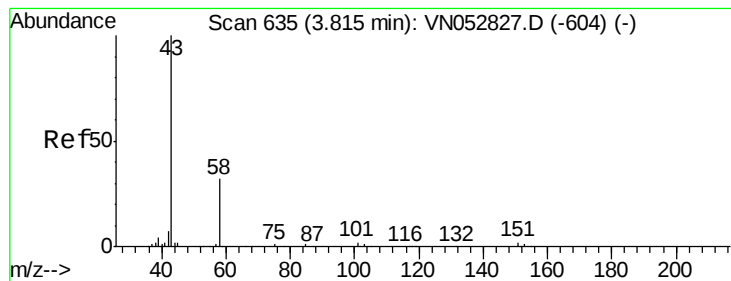
200

100

0

Time-->





#16

Acetone

Concen: 6.867 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

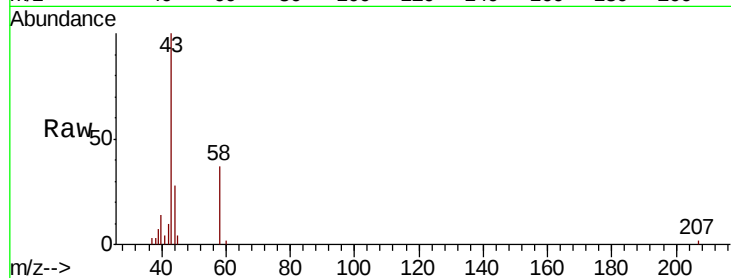
PB115729ZHE#06

Tot Ion: 43 Resp: 22098

Ion Ratio Lower Upper

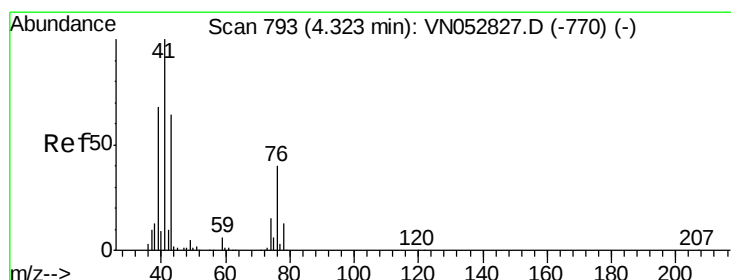
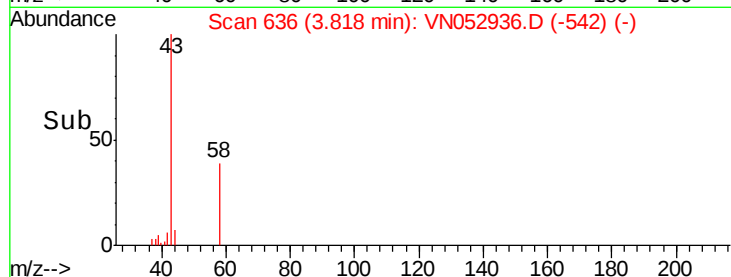
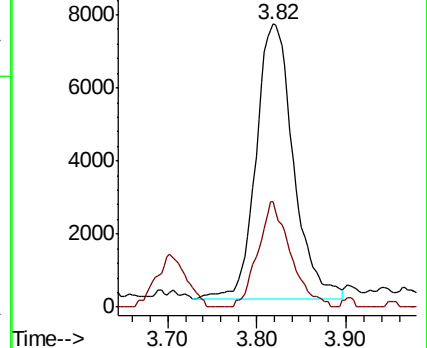
43 100

58 36.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.781 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN052936.D

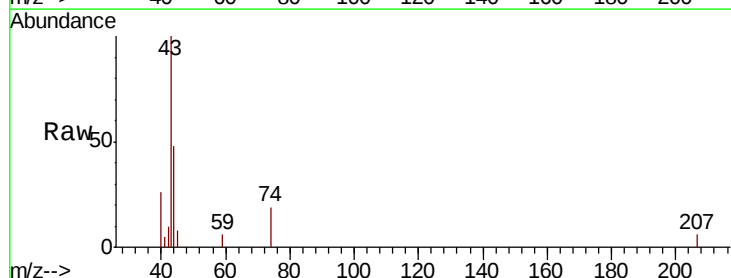
Acq: 17 Dec 2018 19:11

Tgt Ion: 43 Resp: 9226

Ion Ratio Lower Upper

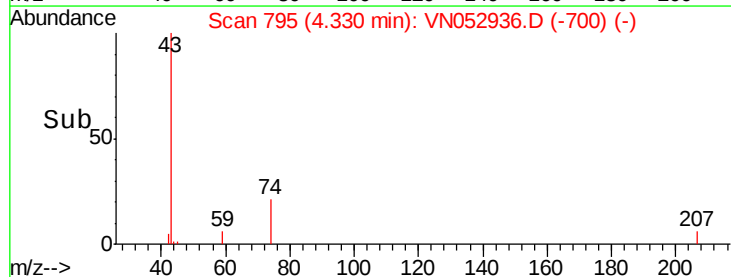
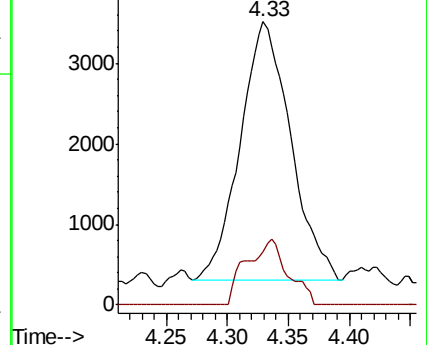
43 100

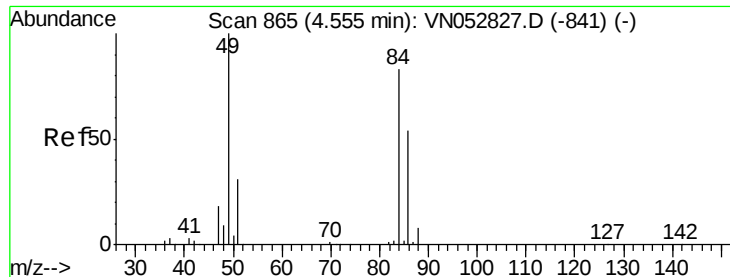
74 20.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

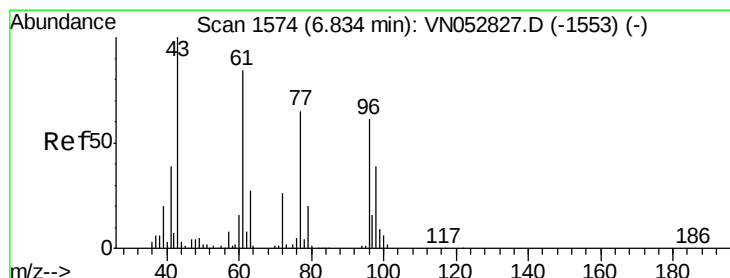
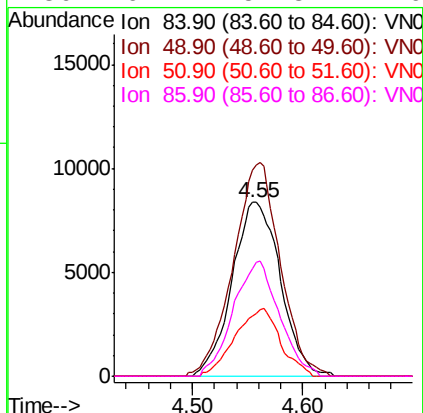
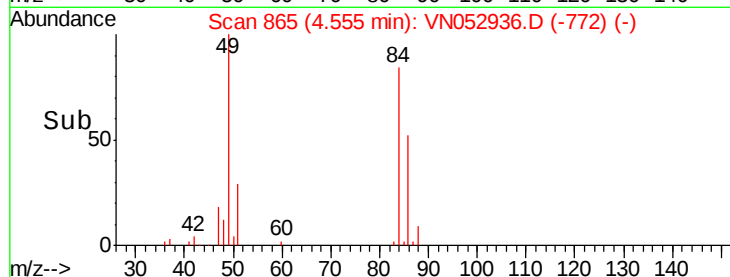
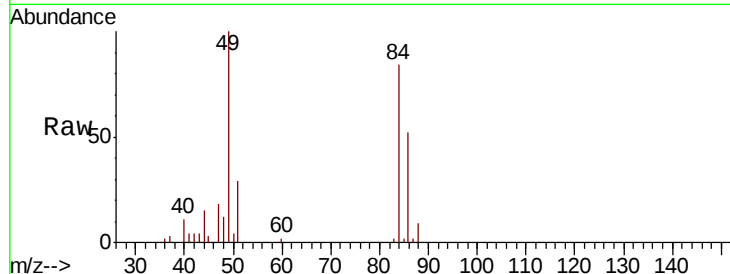




#20
Methvlene Chloride
Concen: 1.754 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

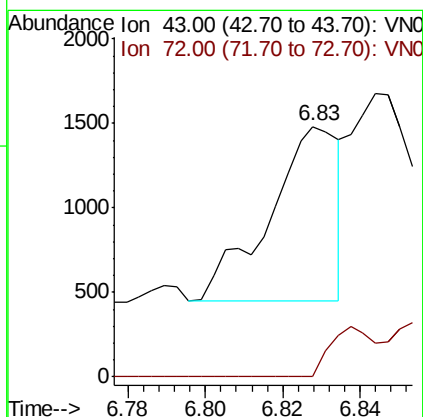
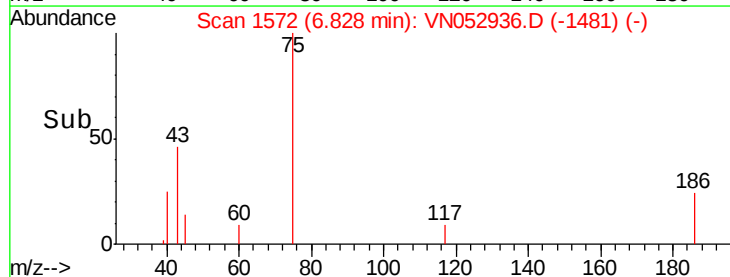
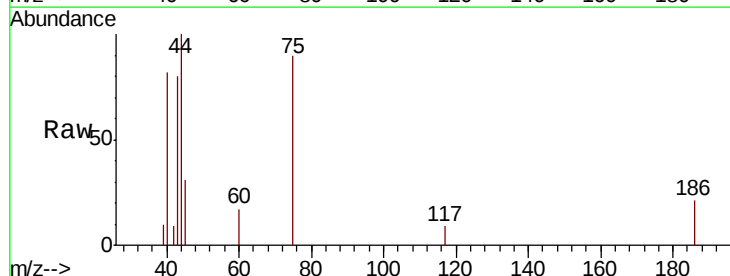
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

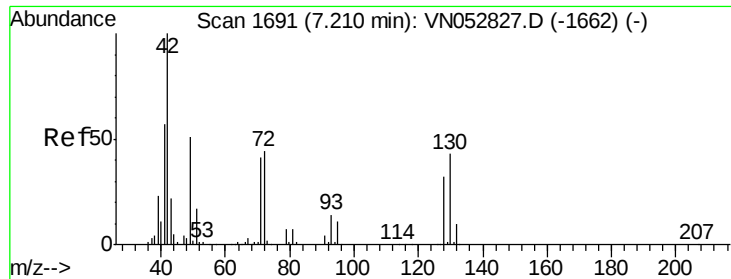
Tot Ion:	84	Resp:	25400
Ion	Ratio	Lower	Upper
84	100		
49	118.7	96.8	145.2
51	34.8	29.9	44.9
86	61.7	51.8	77.6



#25
2-Butanone
Concen: 0.256 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Tgt Ion:	43	Resp:	1280
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#

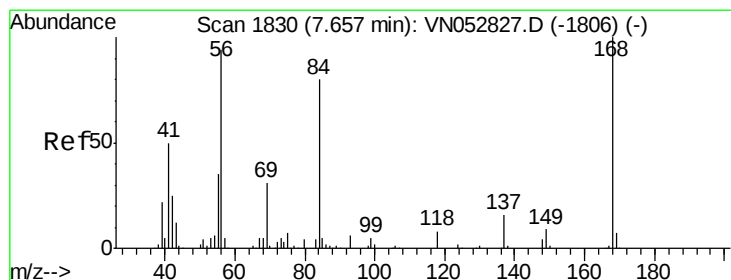
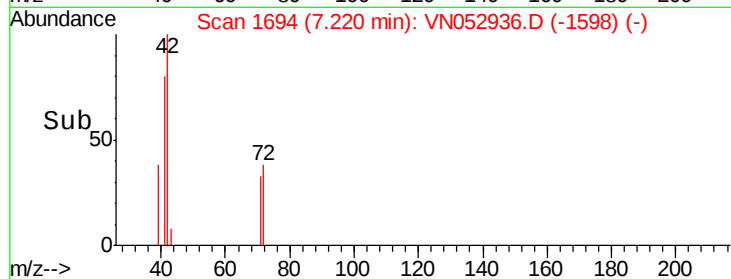
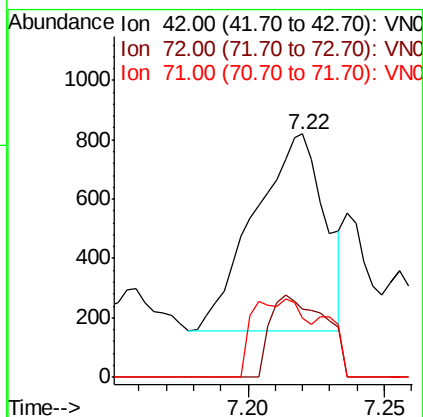
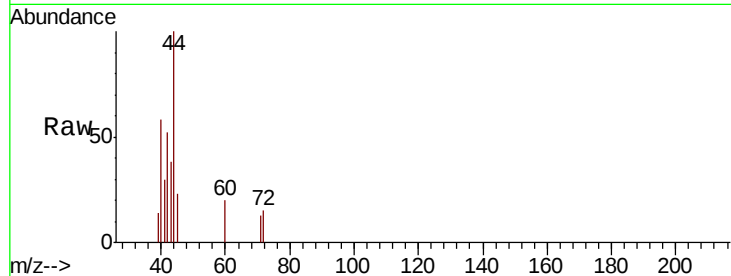




#29
Tetrahydrofuran
Concen: 0.350 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

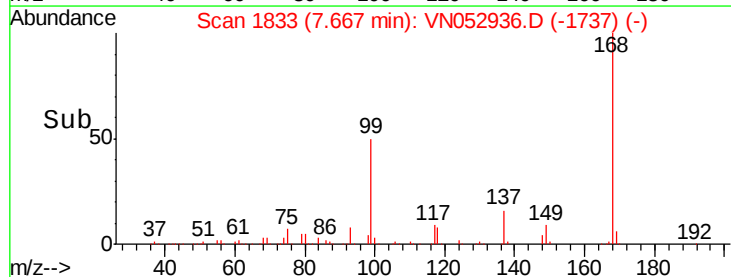
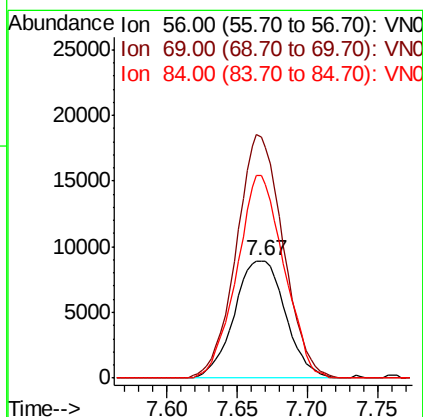
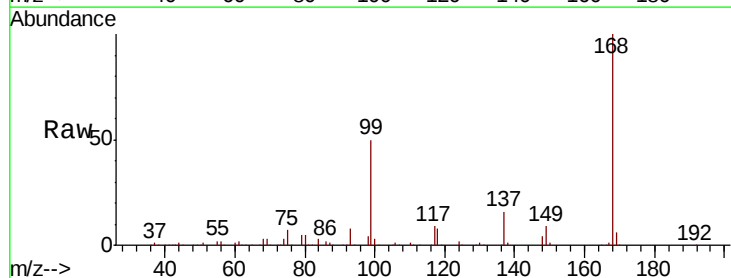
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

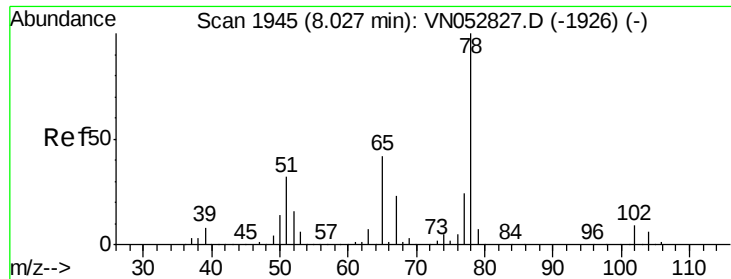
Tot Ion: 42 Resp: 1192
Ion Ratio Lower Upper
42 100
72 32.3 34.7 52.1#
71 29.7 32.3 48.5#



#31
Cyclohexane
Concen: 0.354 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Tgt Ion: 56 Resp: 22580
Ion Ratio Lower Upper
56 100
69 205.8 26.6 39.8#
84 172.3 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: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

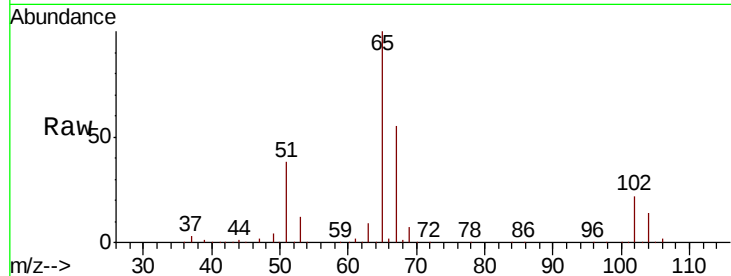
PB115729ZHE#06

Tot Ion: 65 Resp: 691367

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

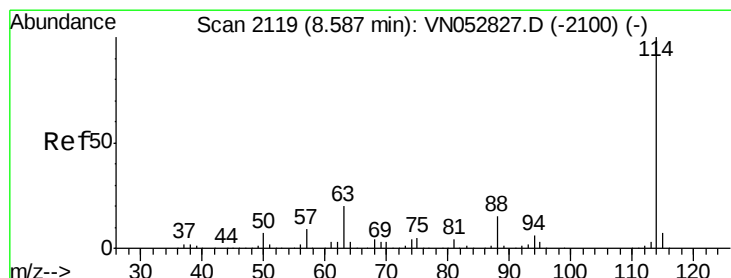
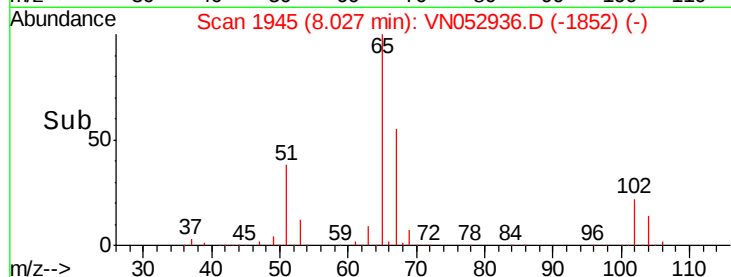
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

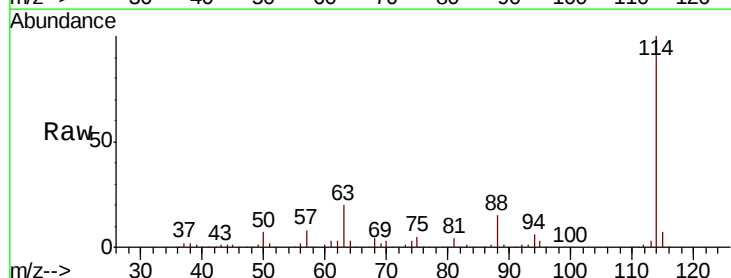
Tgt Ion: 114 Resp: 2098945

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.8

88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

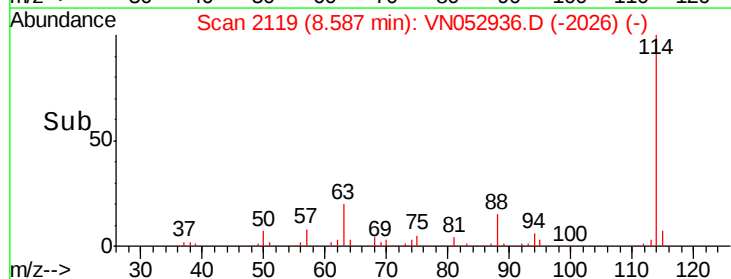
8.59

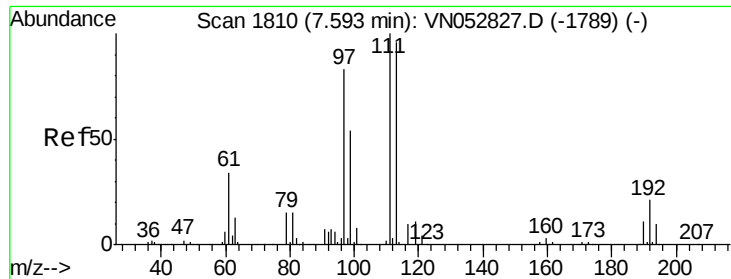
1000000

500000

0

Time-->

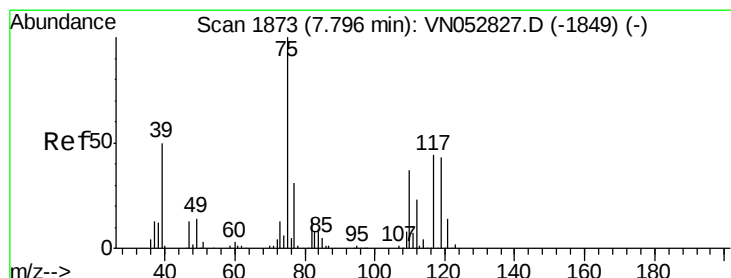
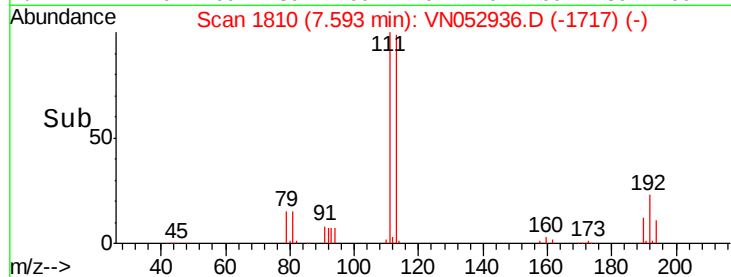
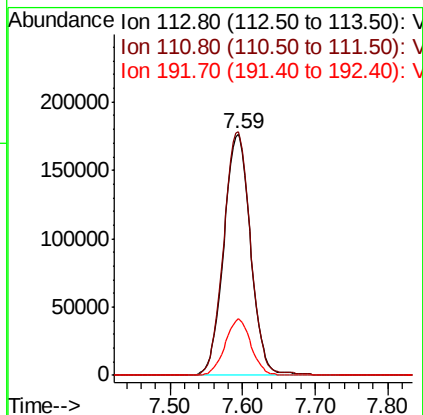
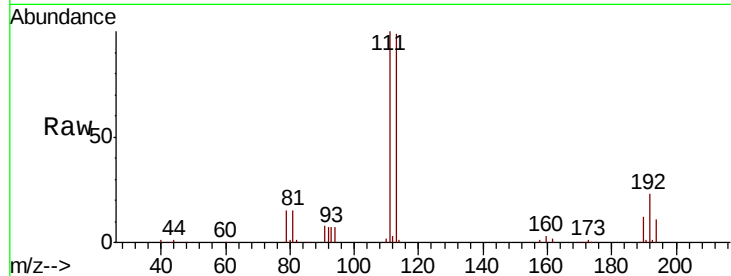




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

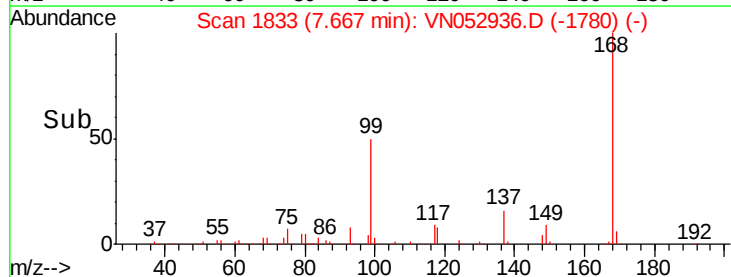
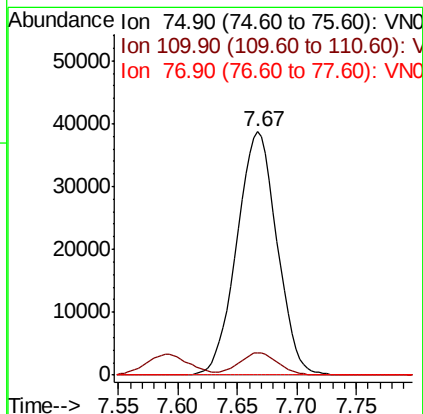
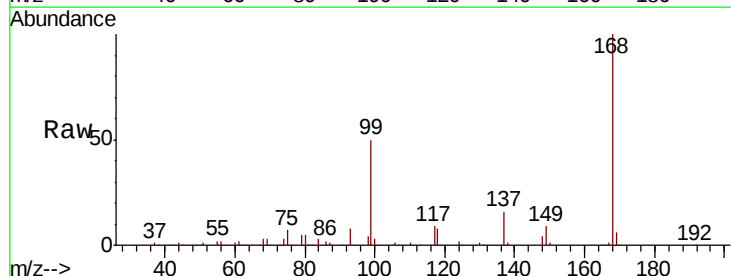
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#06

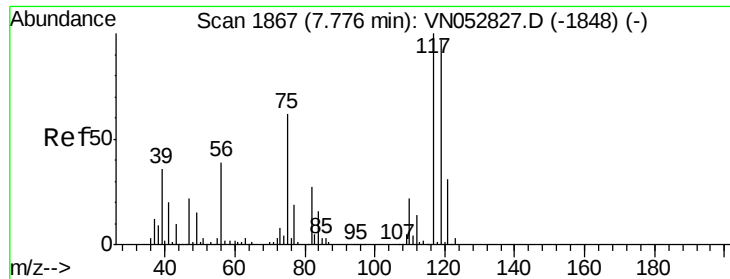
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.2	83.0	124.4
192	22.5	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.684 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.2	54.6#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.529 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#06

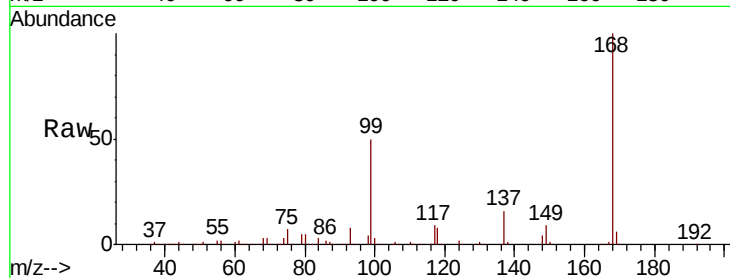
Tot Ion:117 Resp: 116154

Ion Ratio Lower Upper

117 100

119 5.6 77.1 115.7#

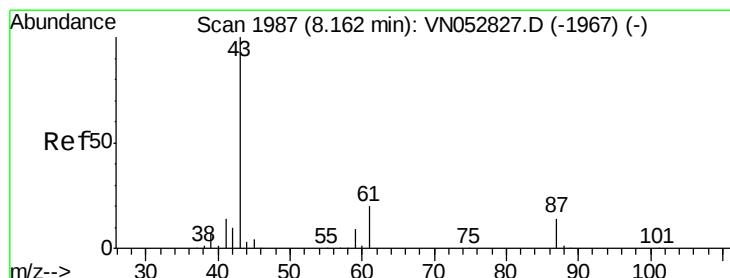
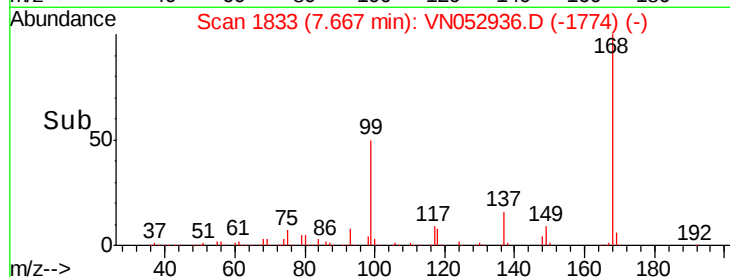
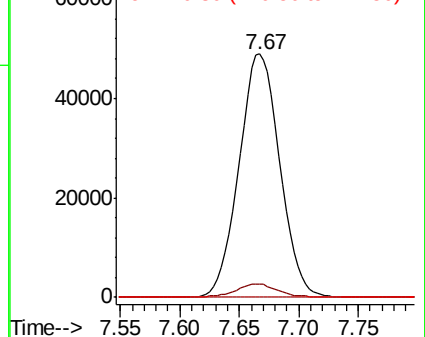
121 0.0 24.9 37.3#



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: 43.781 ug/l

RT: 8.30 min Scan# 2031

Delta R.T. 0.14 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

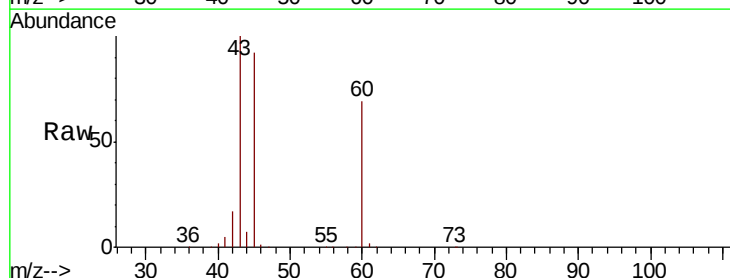
Tgt Ion: 43 Resp: 1042280

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

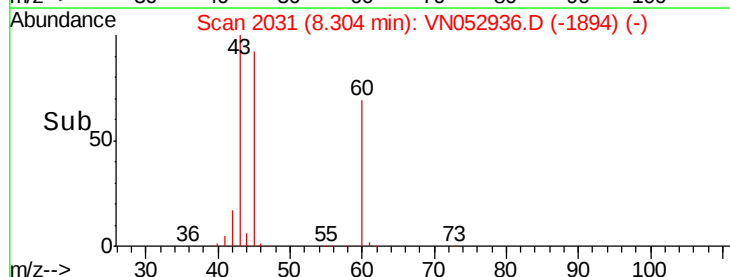
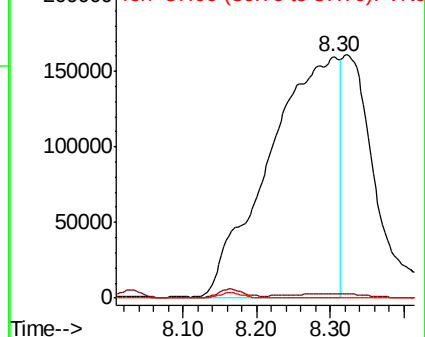
87 0.0 10.6 15.8#

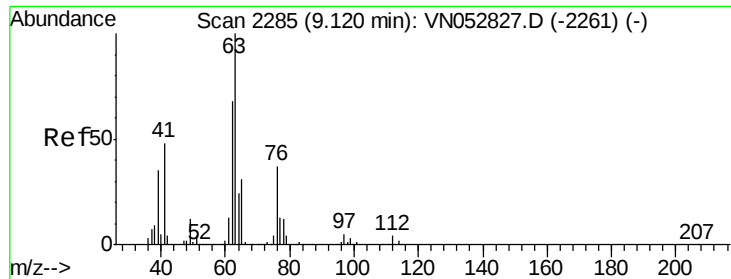


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.276 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.15 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

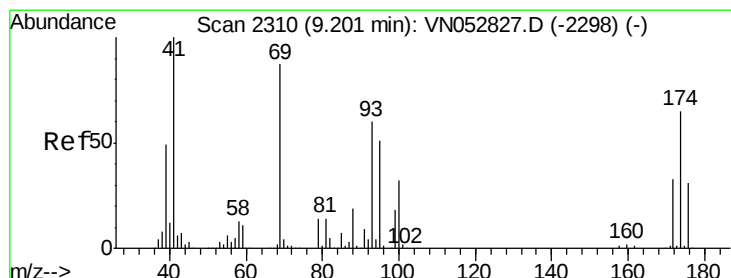
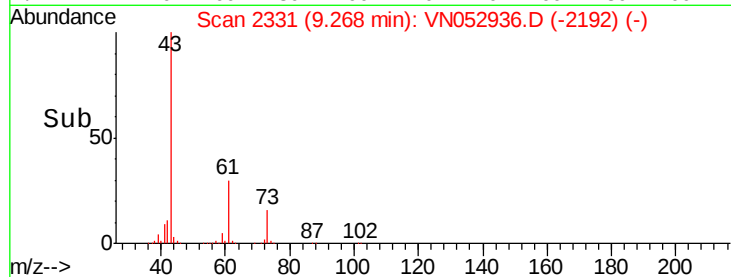
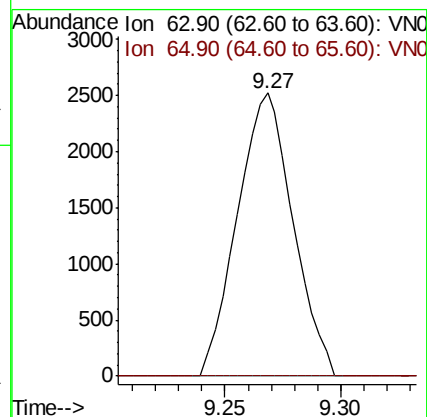
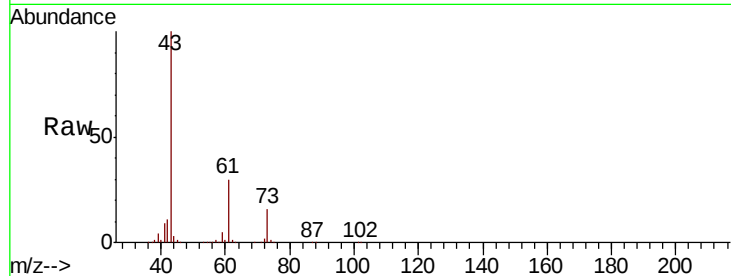
PB115729ZHE#06

Tot Ion: 63 Resp: 4200

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 2.038 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

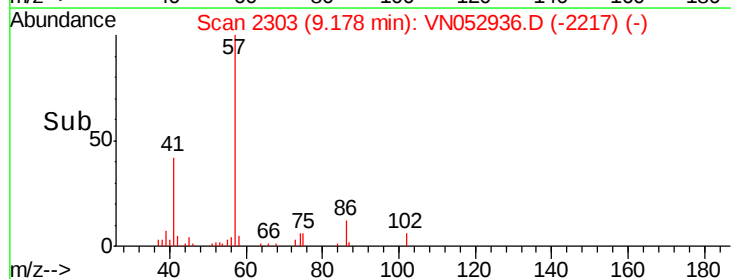
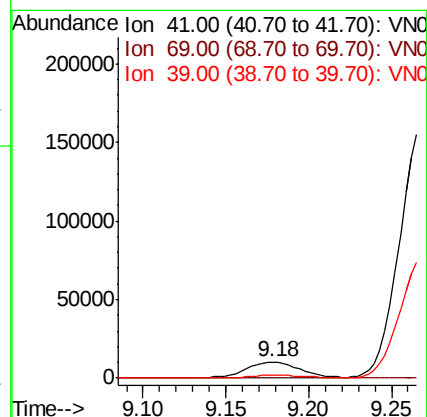
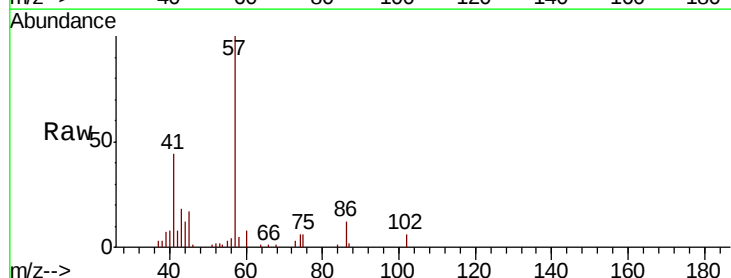
Tgt Ion: 41 Resp: 21281

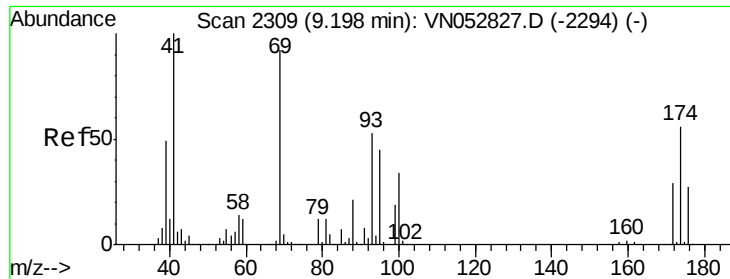
Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

39 20.6 41.9 62.9#





#49

1,4-Dioxane

Concen: 3.831 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.06 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

PB115729ZHE#06

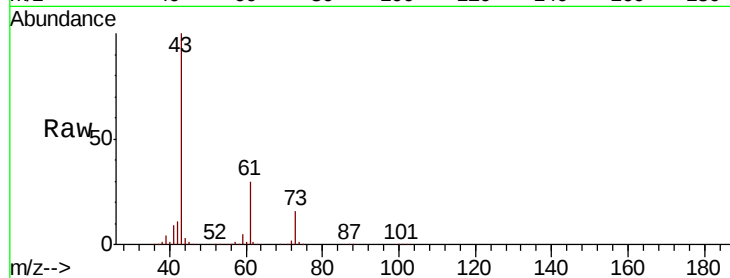
Tot Ion: 88 Resp: 454

Ion Ratio Lower Upper

88 100

43 740910.1 26.6 40.0#

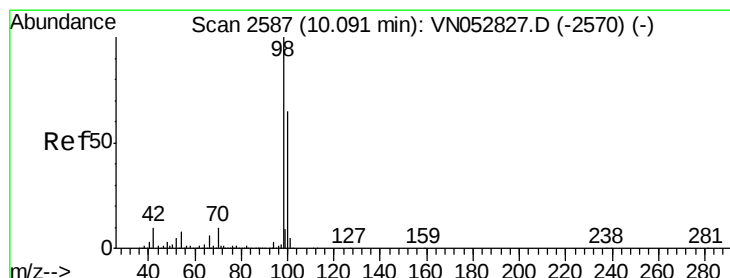
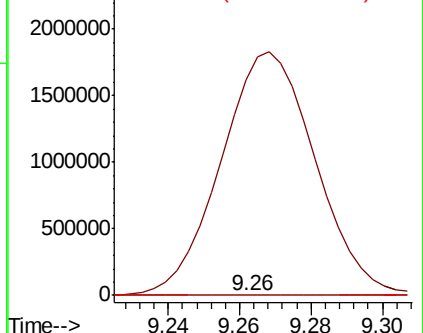
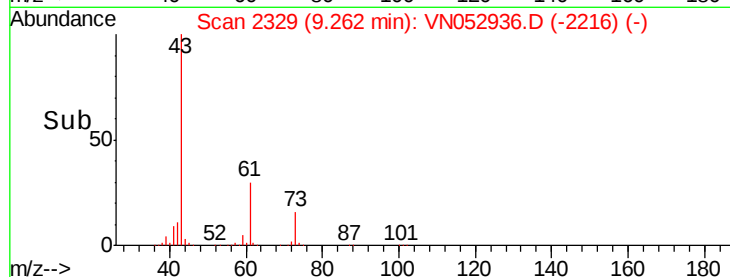
58 3139.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN052936.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052936.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052936.D (-2216) (-)



#50

Toluene-d8

Concen: 3.831 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052936.D

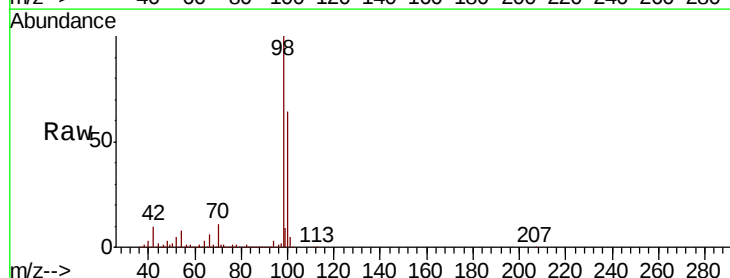
Acq: 17 Dec 2018 19:11

Tgt Ion: 98 Resp: 2583109

Ion Ratio Lower Upper

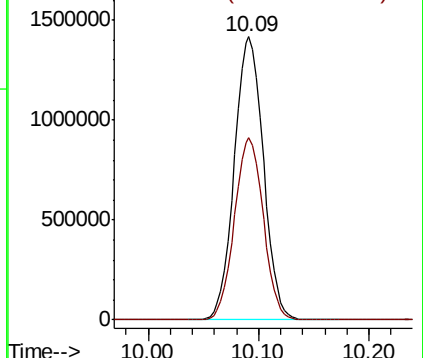
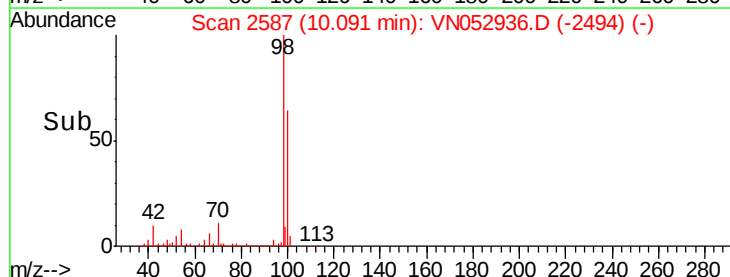
98 100

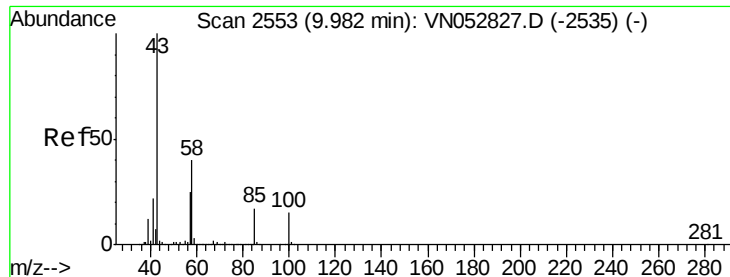
100 64.0 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052936.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052936.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 2.443 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

Instrument :

MSVOA_N

ClientSampleId :

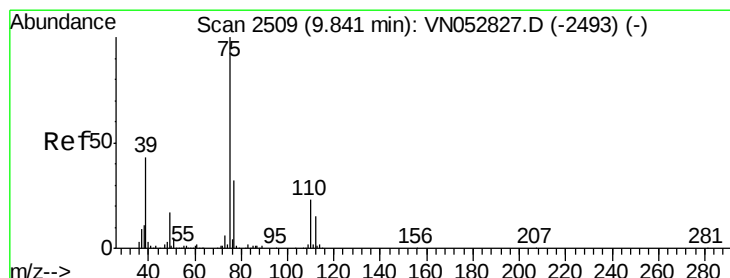
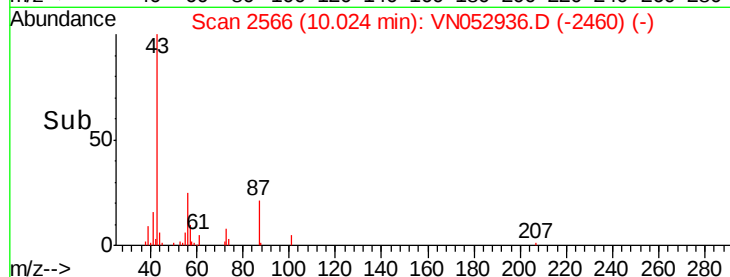
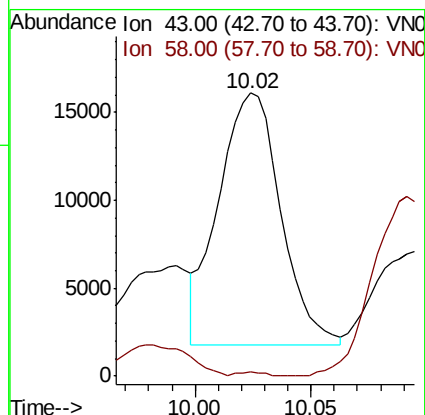
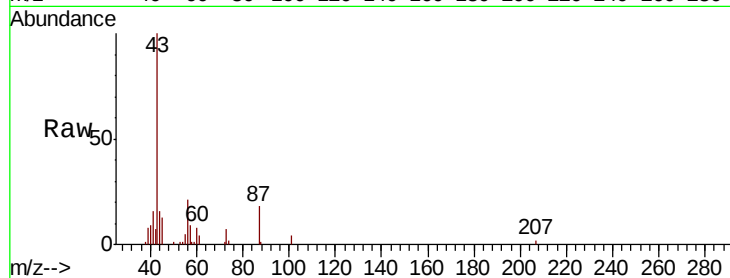
PB115729ZHE#06

Tot Ion: 43 Resp: 26670

Ion Ratio Lower Upper

43 100

58 0.0 32.2 48.4#



#54

cis-1,3-Dichloropropene

Concen: 7.849 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052936.D

Acq: 17 Dec 2018 19:11

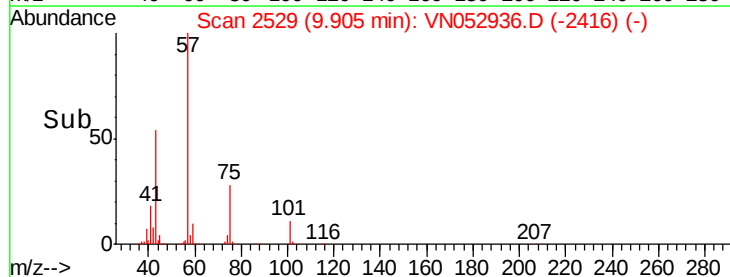
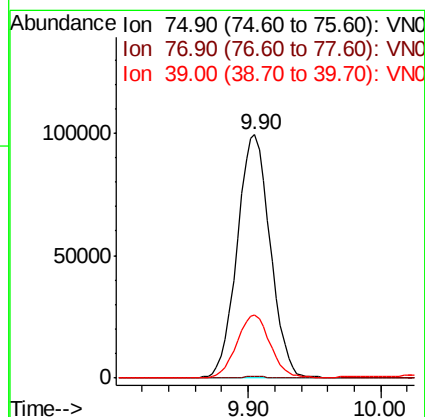
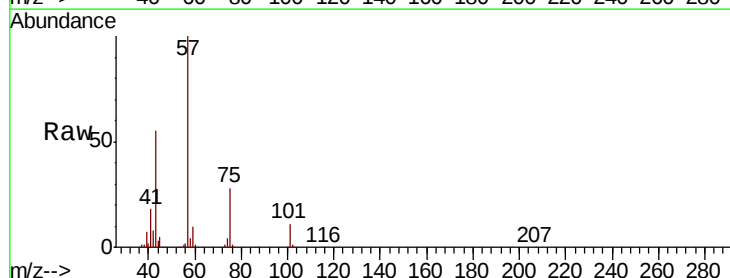
Tgt Ion: 75 Resp: 171984

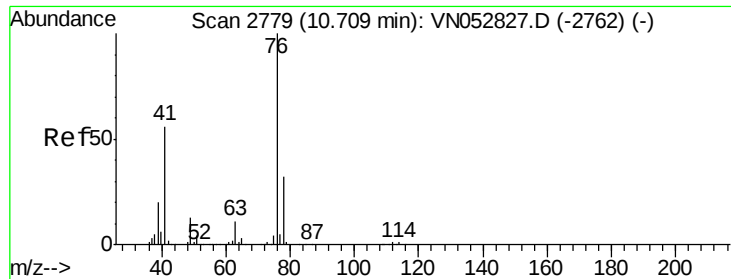
Ion Ratio Lower Upper

75 100

77 0.6 25.8 38.8#

39 26.1 34.8 52.2#

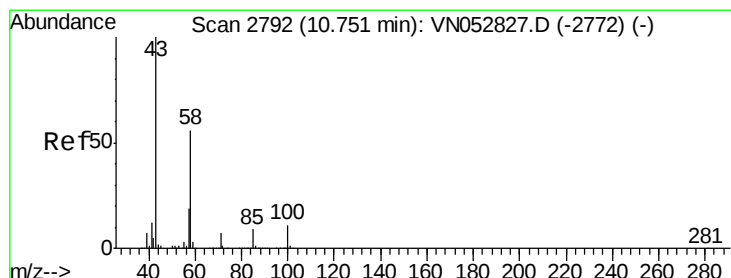
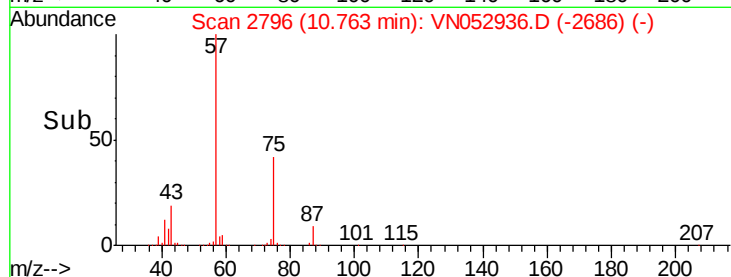
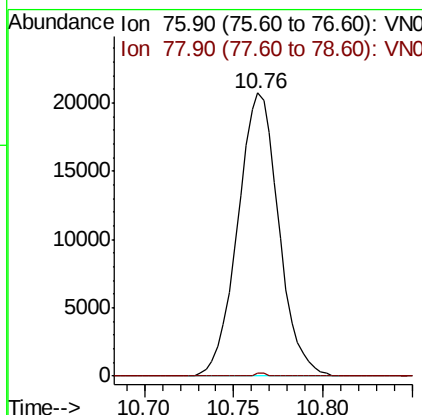
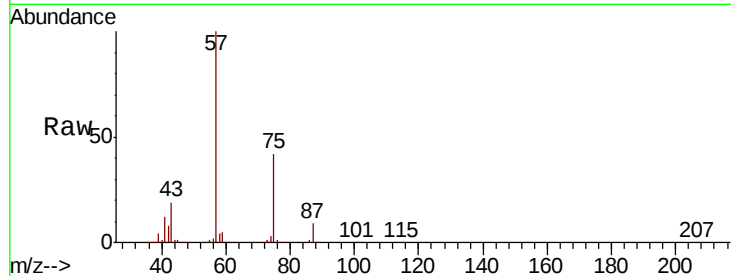




#57
 1,3-Dichloropropane
 Concen: 1.546 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

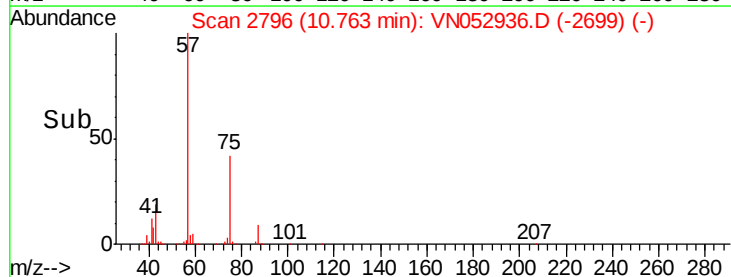
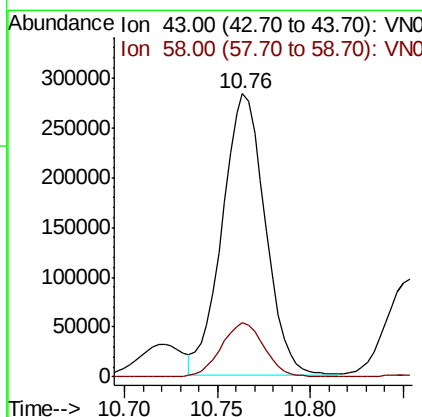
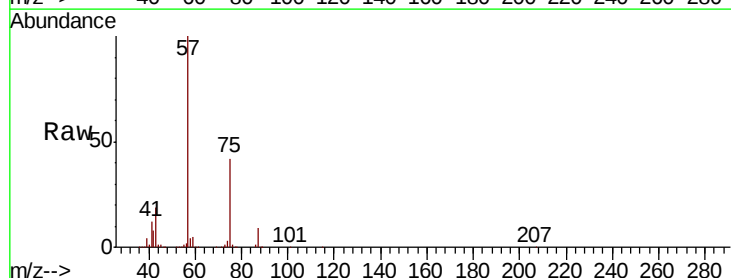
Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#06

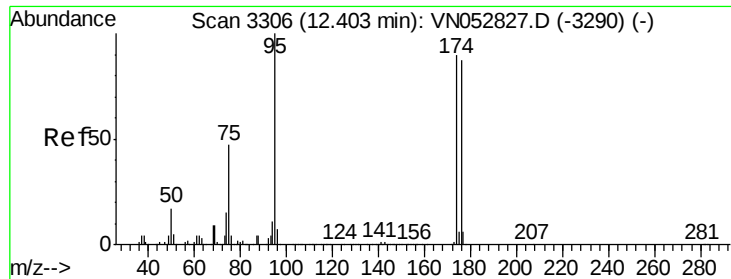
Tot Ion: 76 Resp: 33250
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.8 38.8#



#59
 2-Hexanone
 Concen: 60.403 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

Tgt Ion: 43 Resp: 451882
 Ion Ratio Lower Upper
 43 100
 58 19.5 28.1 84.3#

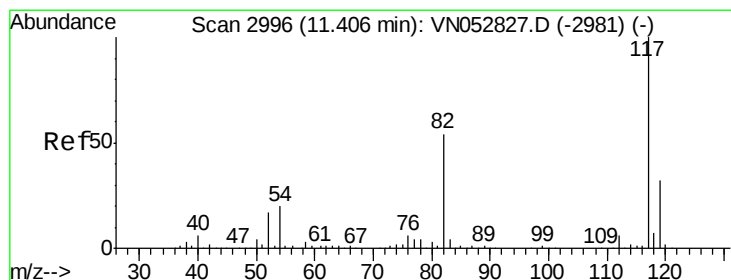
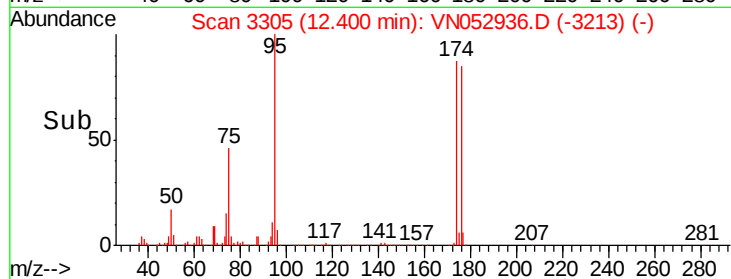
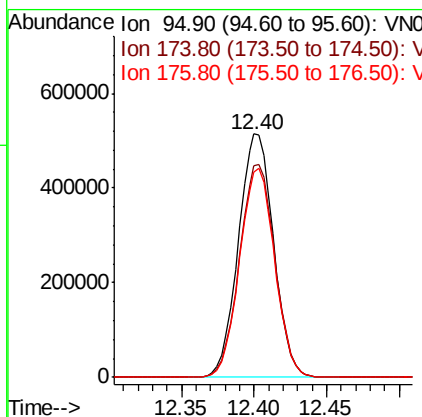
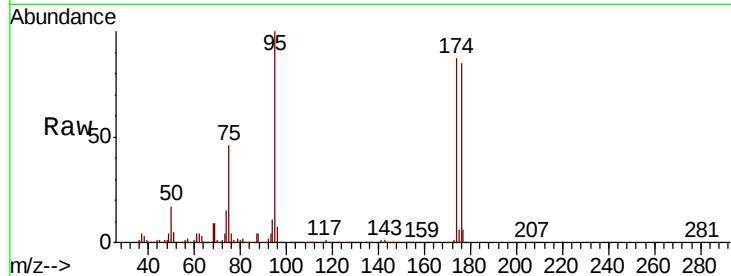




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

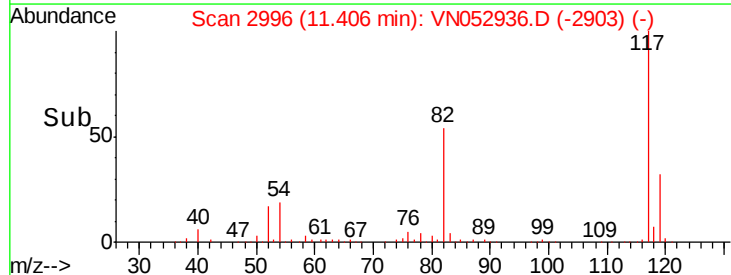
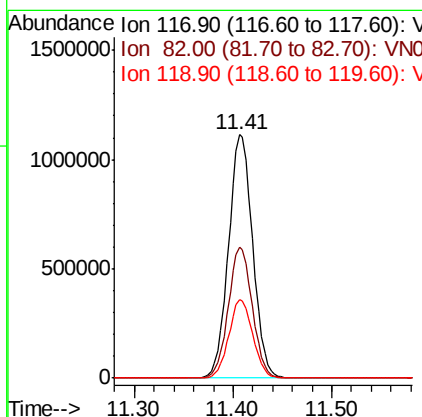
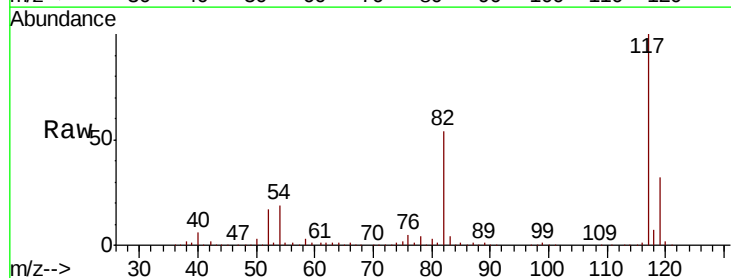
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

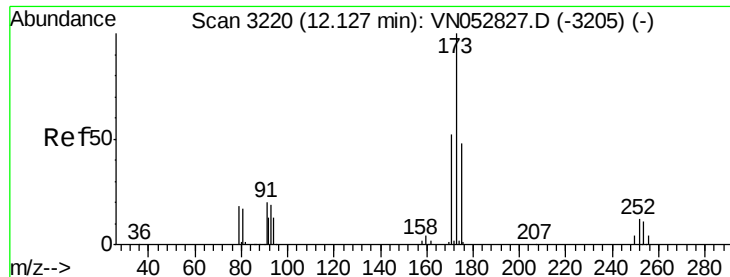
Tot Ion: 95 Resp: 865770
Ion Ratio Lower Upper
95 100
174 88.3 0.0 178.8
176 85.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Tgt Ion: 117 Resp: 1903493
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.2 25.5 38.3

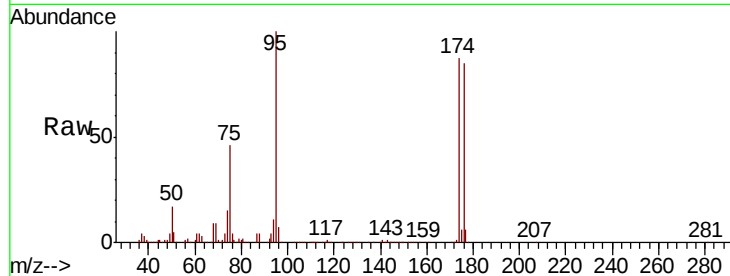




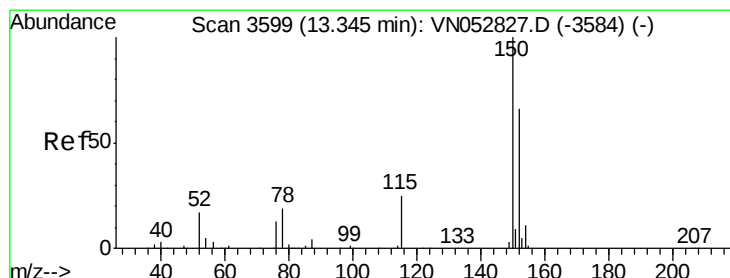
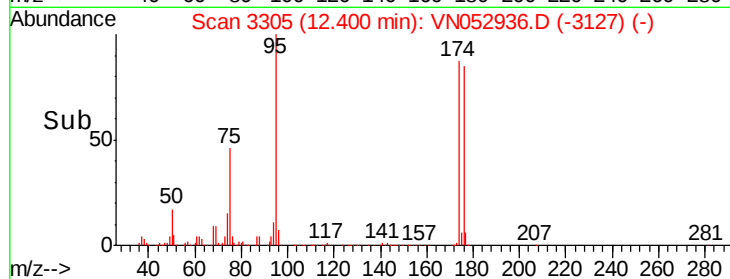
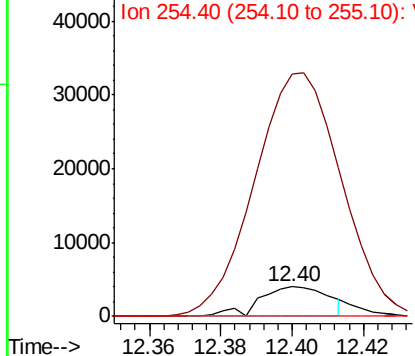
#71
Bromoform
Concen: 0.575 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

Tot Ion:173 Resp: 5365
Ion Ratio Lower Upper
173 100
175 906.4 24.3 72.9#
254 0.0 0.1 0.1#

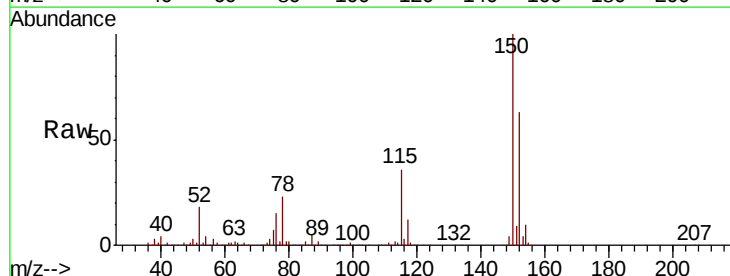


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

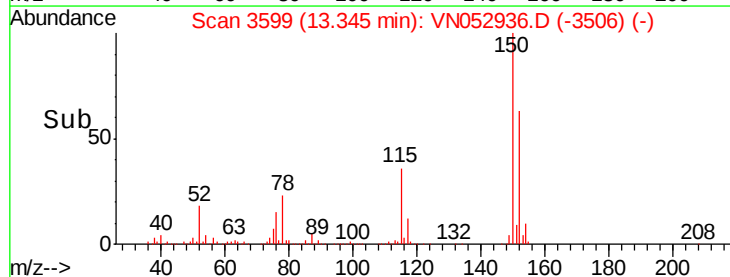
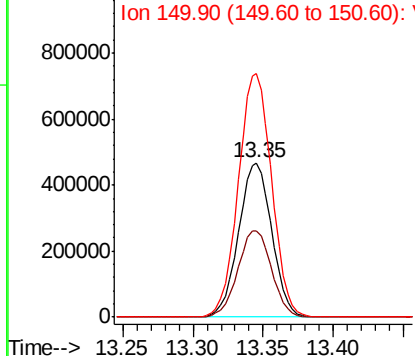


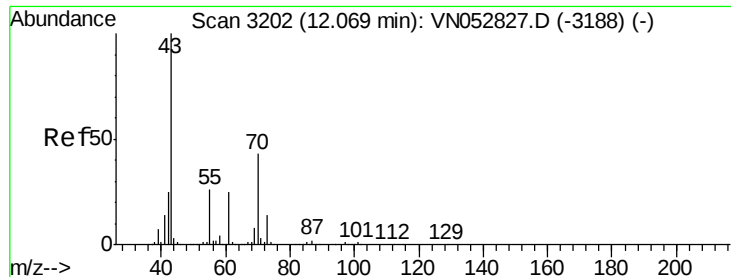
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Tgt Ion:152 Resp: 768570
Ion Ratio Lower Upper
152 100
115 56.8 28.3 85.0
150 158.4 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

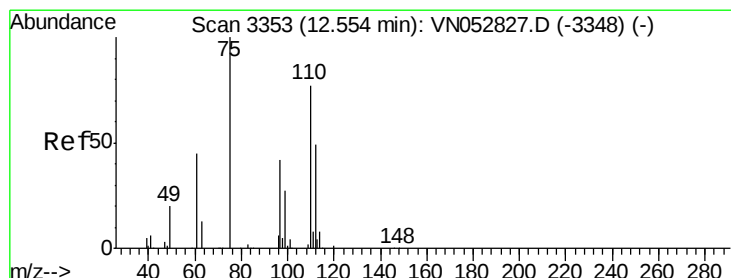
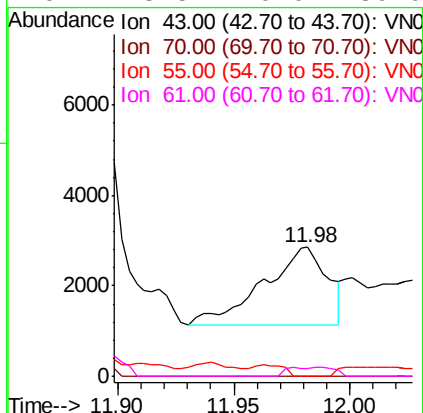
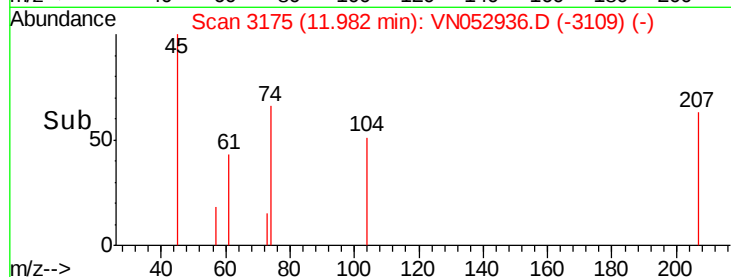
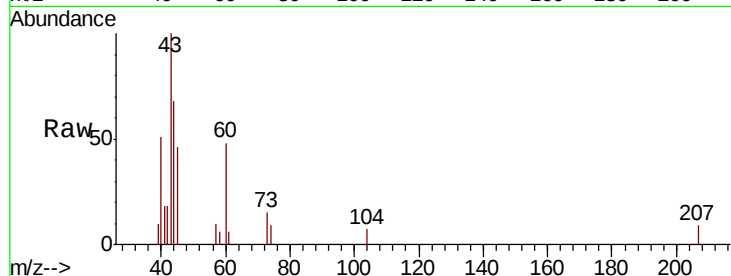




#74
N-amvl acetate
Concen: 0.207 ug/l
RT: 11.98 min Scan# 3175
Delta R.T. -0.09 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

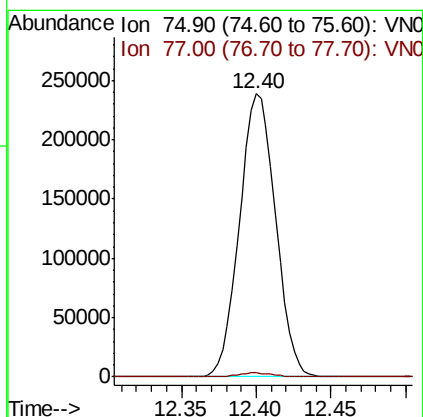
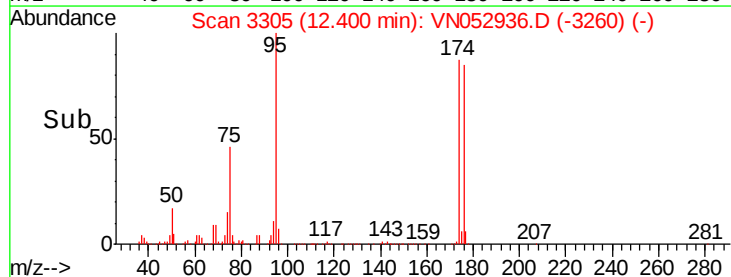
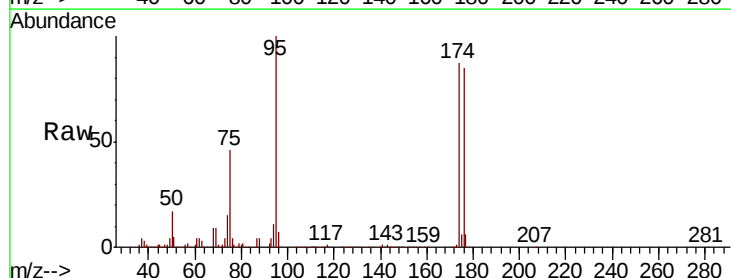
Instrument :
MSVOA_N
ClientSampleId :
PB115729ZHE#06

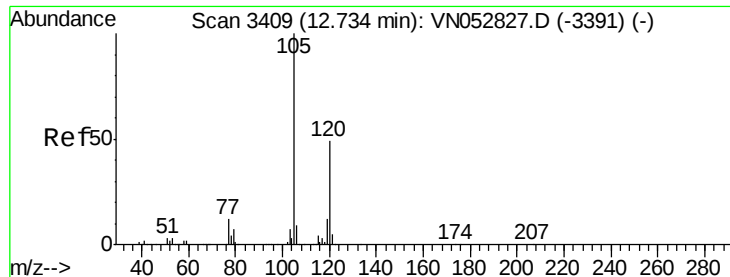
Tot Ion: 43 Resp: 3262
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 0.0 20.3 30.5#
61 8.5 20.0 30.0#



#76
1,2,3-Trichloropropane
Concen: 35.377 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052936.D
Acq: 17 Dec 2018 19:11

Tgt Ion: 75 Resp: 401158
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

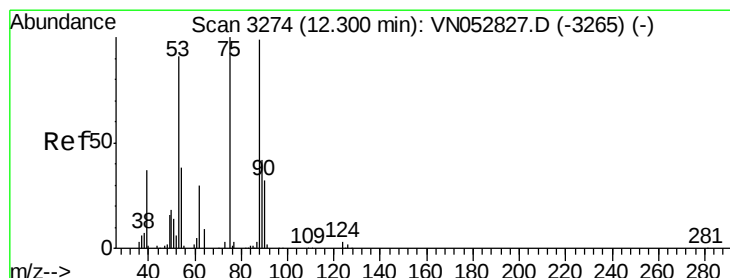
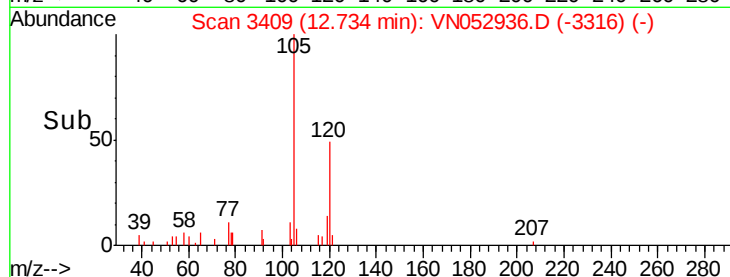
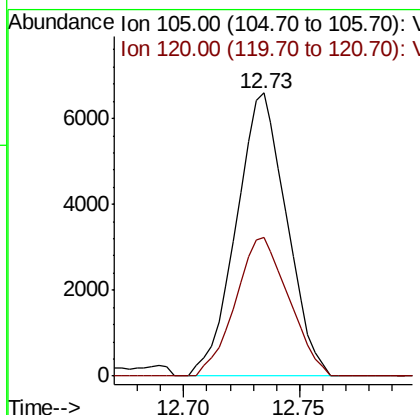
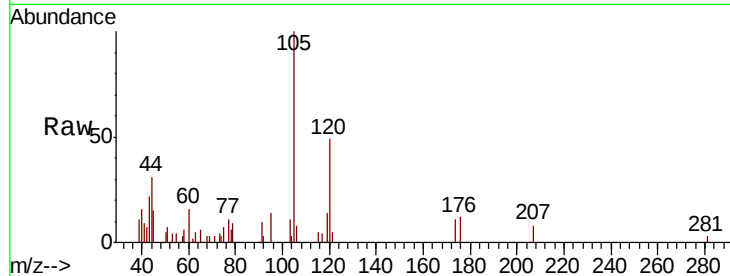




#80
 1,3,5-Trimethylbenzene
 Concen: 0.215 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

Instrument :
 MSVOA_N
 ClientSampleId :
 PB115729ZHE#06

Tot Ion:105 Resp: 9944
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.649 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052936.D
 Acq: 17 Dec 2018 19:11

Tgt Ion: 75 Resp: 401158
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.7 112.1#
 89 0.0 36.1 54.1#

