

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052010.D
 Acq On : 25 Oct 2018 14:28
 Operator : MD\SY
 Sample : PB114155TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114155TB

Quant Time: Oct 26 01:12:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1139212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1660893	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1565898	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	699414	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	587613	57.92	ug/l	0.00
Spiked Amount			Recovery	=	115.84%	
35) Dibromofluoromethane	7.59	113	606905	57.26	ug/l	0.00
Spiked Amount			Recovery	=	114.52%	
50) Toluene-d8	10.09	98	2275197	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	
62) 4-Bromofluorobenzene	12.40	95	707288	53.73	ug/l	0.00
Spiked Amount			Recovery	=	107.46%	

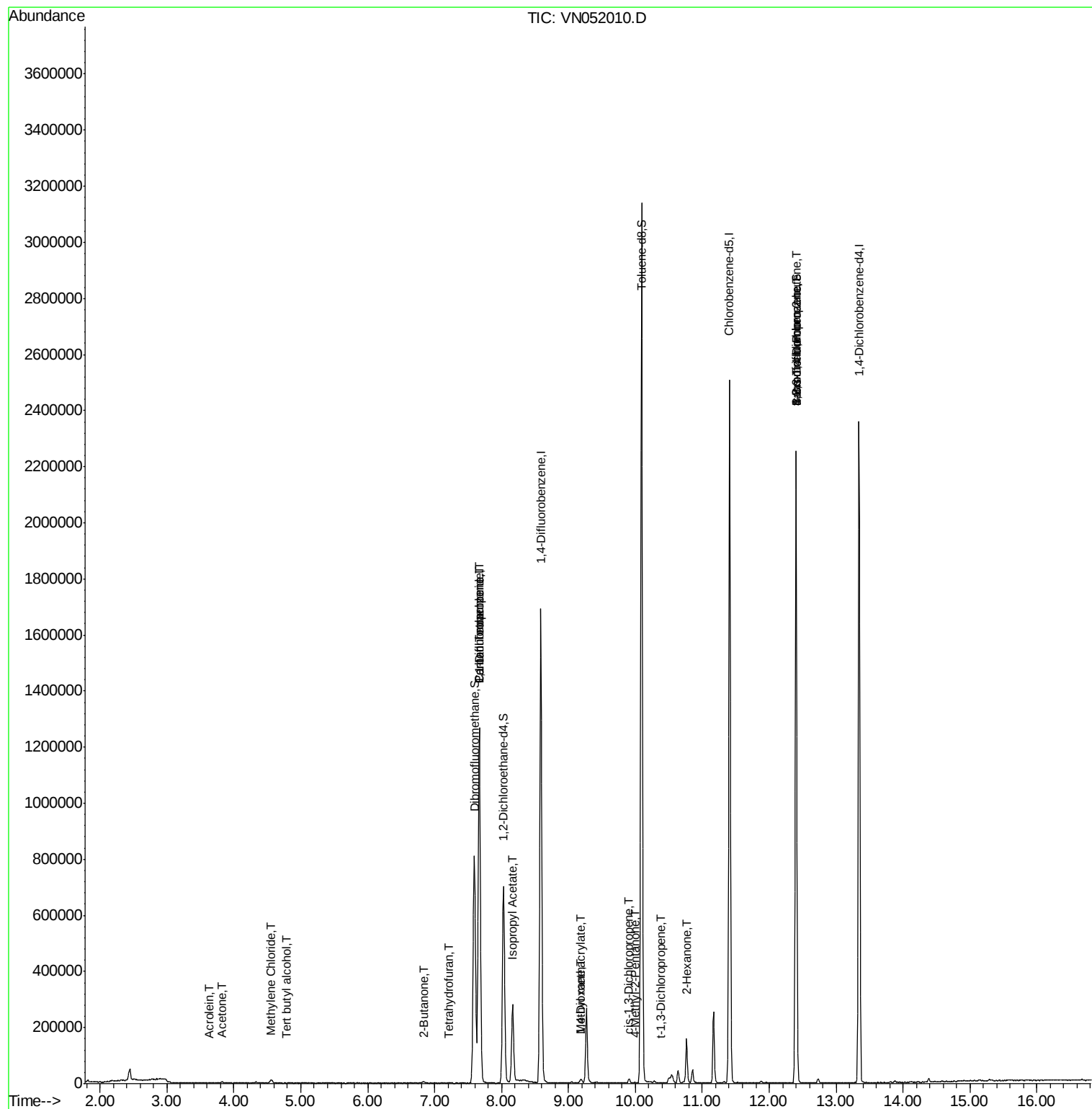
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	117	0.223	ug/l #	72
13) Acrolein	3.63	56	29	37.354	ug/l #	1
16) Acetone	3.82	43	4597	2.750	ug/l	100
18) Methyl Acetate	4.34	43	6590	Below Cal	#	43
20) Methylene Chloride	4.56	84	9161	0.934	ug/l	98
25) 2-Butanone	6.83	43	511	0.214	ug/l #	39
29) Tetrahydrofuran	7.21	42	524	0.325	ug/l #	62
31) Cyclohexane	7.66	56	17634	Below Cal	#	28
36) 1,1-Dichloropropene	7.66	75	65098	5.110	ug/l #	47
37) Ethyl Acetate	6.92	43	417	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	101949	6.970	ug/l #	16
43) Isopropyl Acetate	8.16	43	315030	29.525	ug/l	99
48) Methyl methacrylate	9.18	41	7339	1.423	ug/l #	9
49) 1,4-Dioxane	9.19	88	79	0.835	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1371	0.234	ug/l #	32
53) t-1,3-Dichloropropene	10.38	75	83	1.250	ug/l #	58
54) cis-1,3-Dichloropropene	9.91	75	3016	0.221	ug/l #	71
59) 2-Hexanone	10.76	43	20277	5.142	ug/l #	51
71) Bromoform	12.40	173	6906	4.453	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	344908	47.741	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	344908	150.148	ug/l #	12

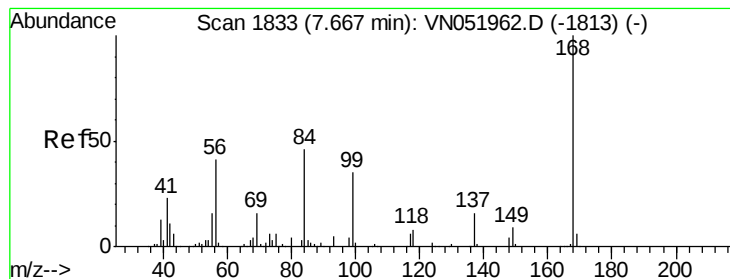
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 24 10:12:55 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: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

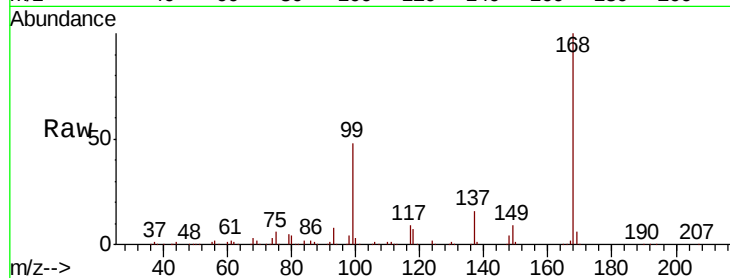
PB114155TB

Tot Ion:168 Resp: 1139212

Ion Ratio Lower Upper

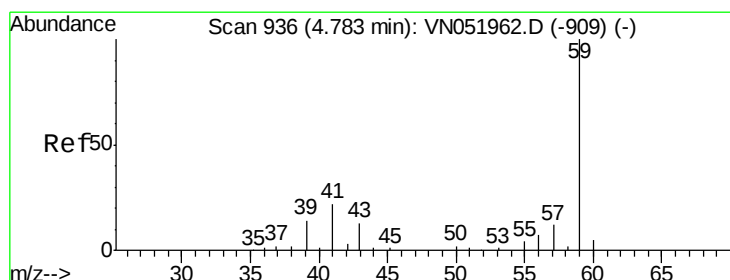
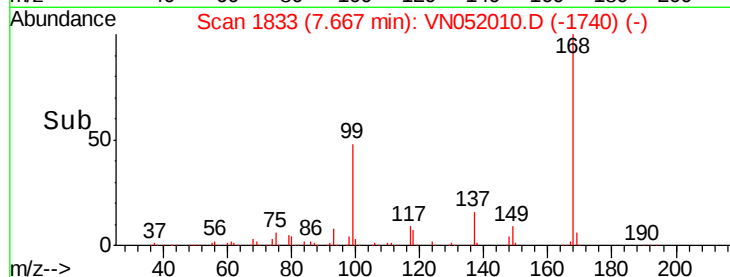
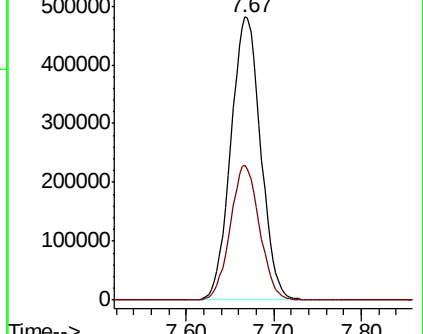
168 100

99 47.6 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.223 ug/l

RT: 4.79 min Scan# 938

Delta R.T. 0.01 min

Lab File: VN052010.D

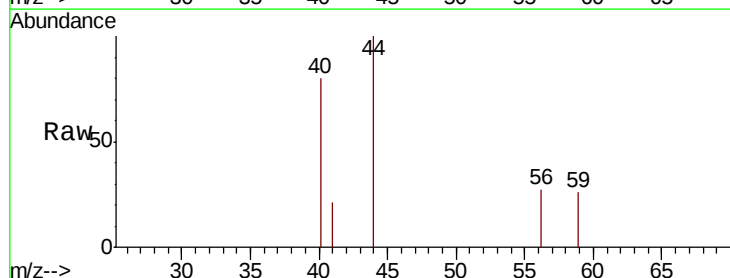
Acq: 25 Oct 2018 14:28

Tgt Ion: 59 Resp: 117

Ion Ratio Lower Upper

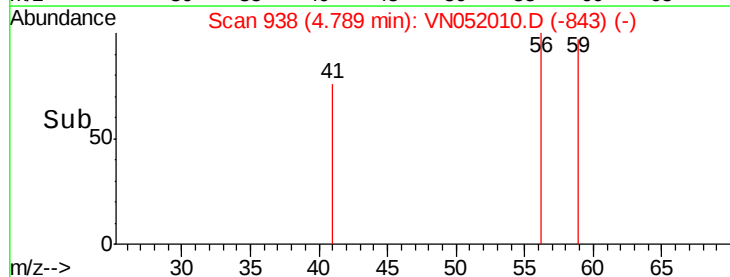
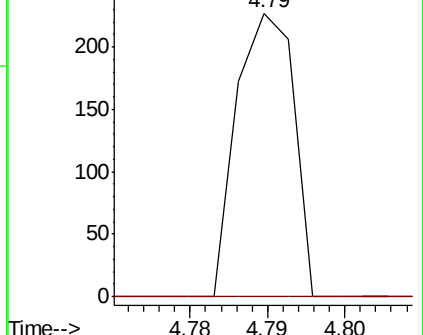
59 100

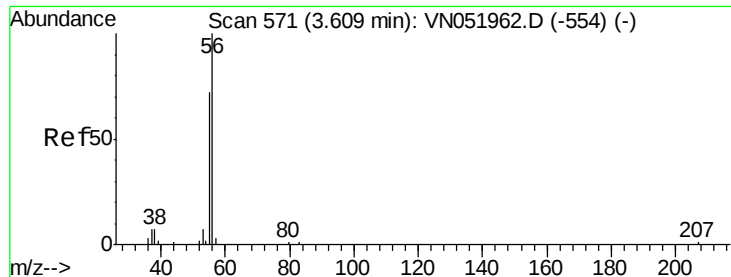
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#13

Acrolein

Concen: 37.354 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.02 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

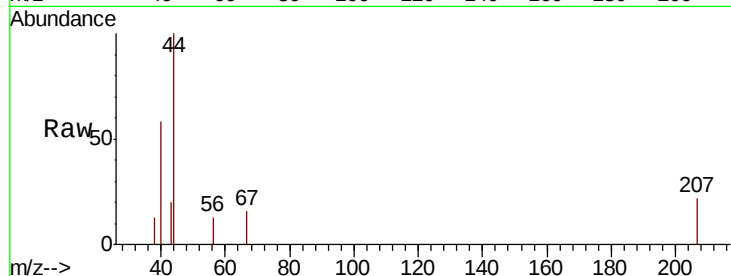
PB114155TB

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

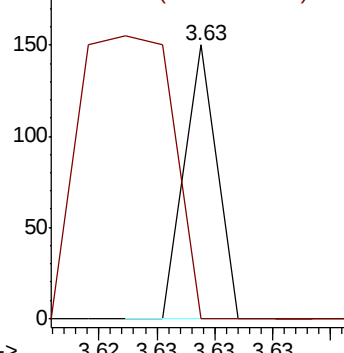
56 100

55 303.4 56.6 84.8#

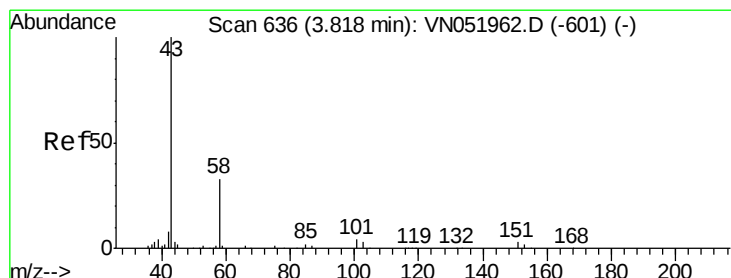
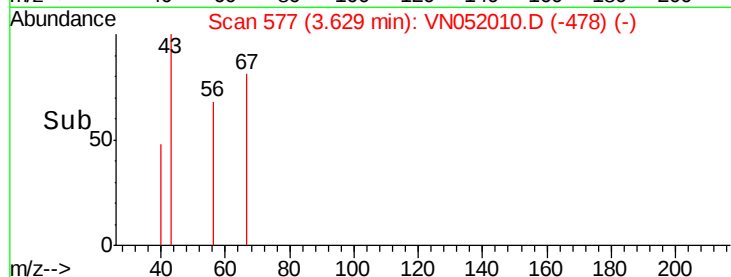


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 2.750 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052010.D

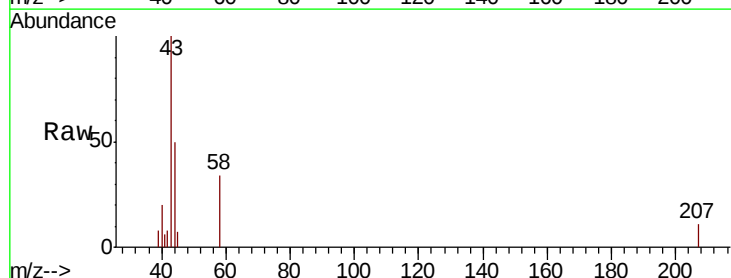
Acq: 25 Oct 2018 14:28

Tgt Ion: 43 Resp: 4597

Ion Ratio Lower Upper

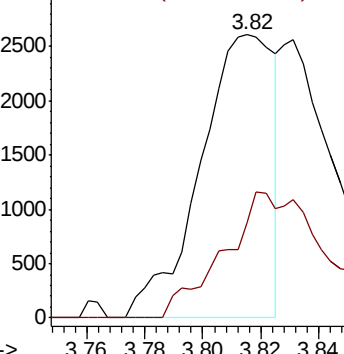
43 100

58 33.6 26.7 40.1

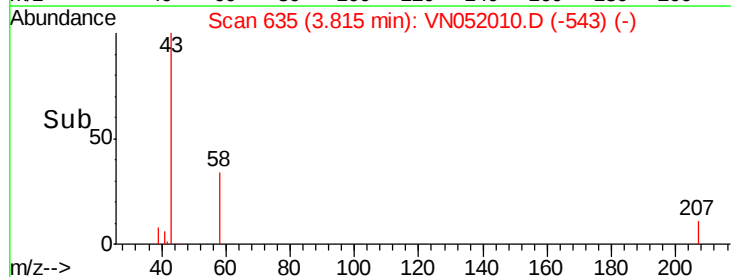


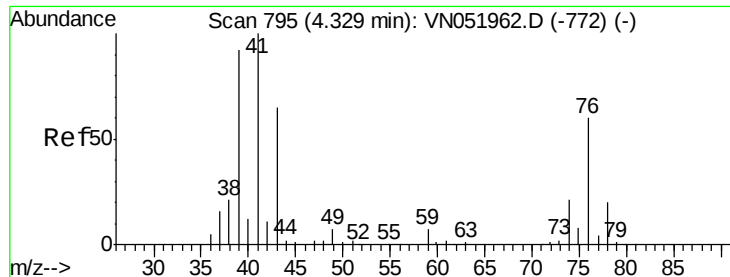
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

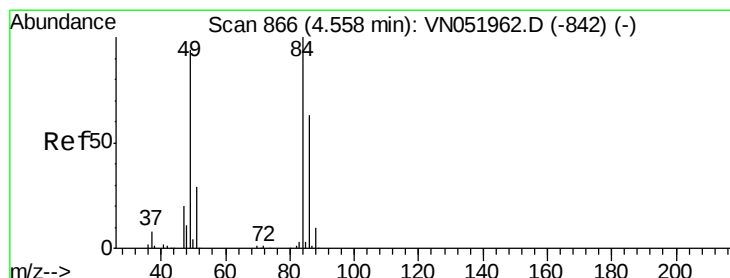
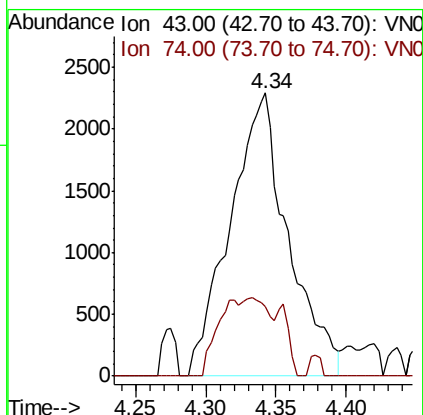
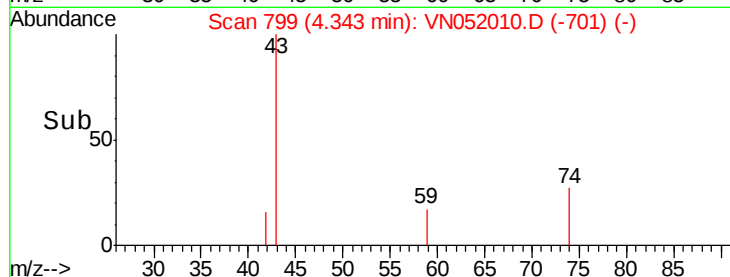
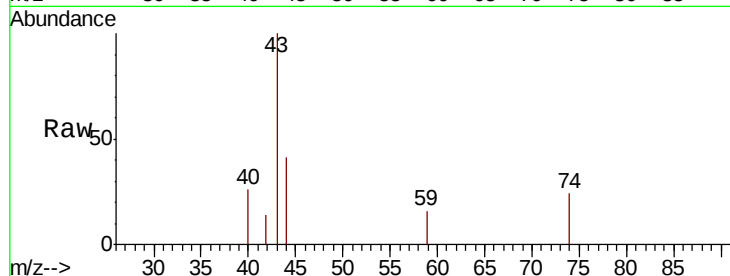




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.01 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

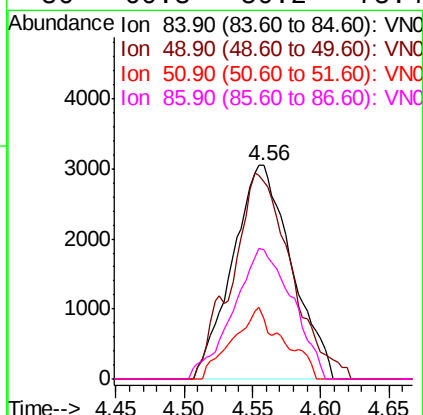
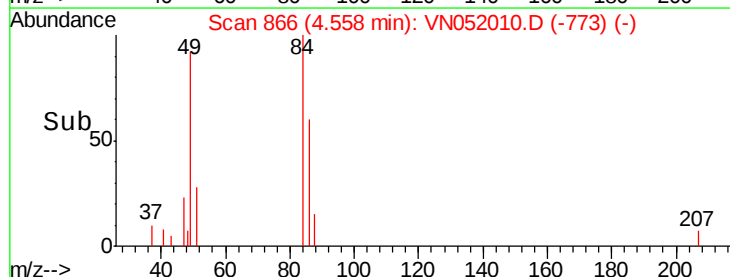
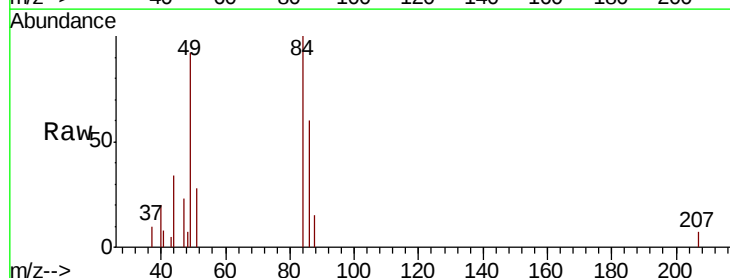
Instrument :
MSVOA_N
ClientSampled :
PB114155TB

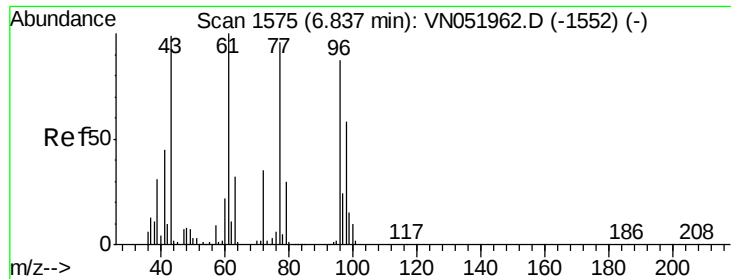
Tot Ion: 43 Resp: 6590
Ion Ratio Lower Upper
43 100
74 0.0 25.7 38.5#



#20
Methylene Chloride
Concen: 0.934 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Tgt Ion: 84 Resp: 9161
Ion Ratio Lower Upper
84 100
49 92.4 75.4 113.0
51 28.3 23.1 34.7
86 60.3 50.2 75.4





#25

2-Butanone

Concen: 0.214 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

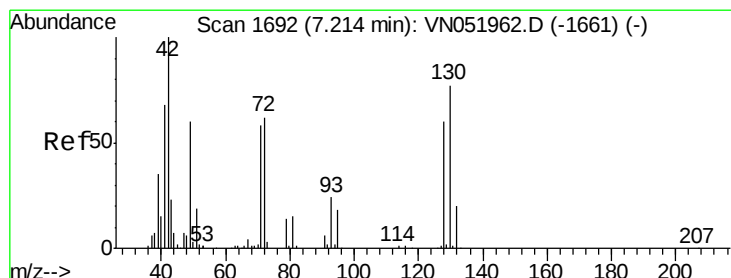
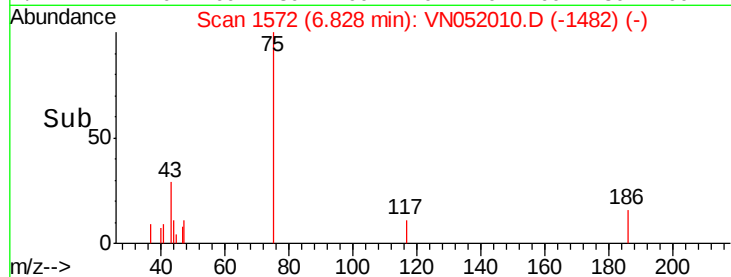
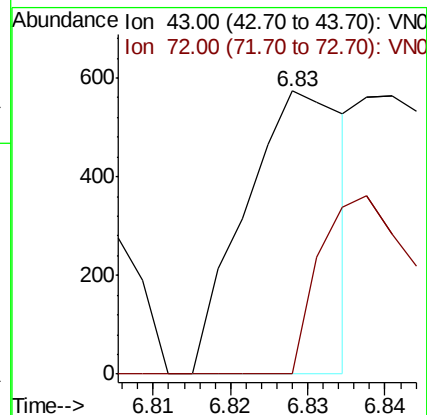
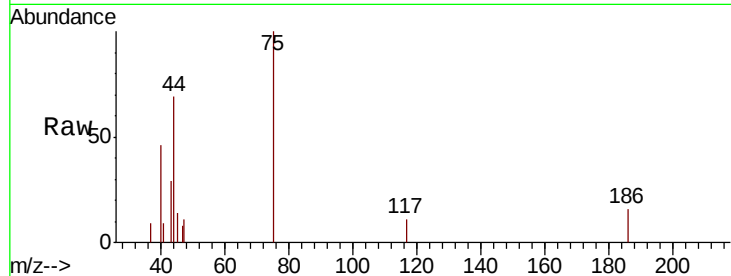
PB114155TB

Tot Ion: 43 Resp: 511

Ion Ratio Lower Upper

43 100

72 0.0 28.5 42.7#



#29

Tetrahydrofuran

Concen: 0.325 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

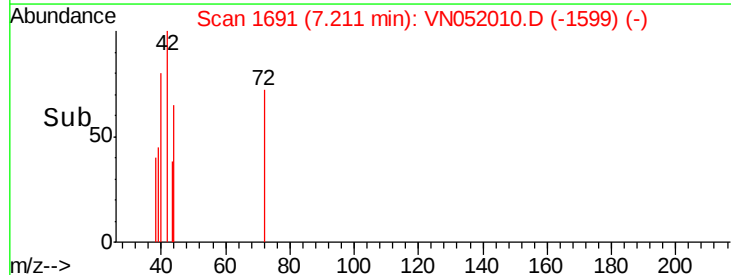
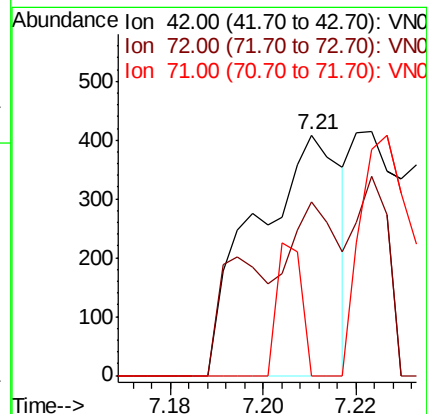
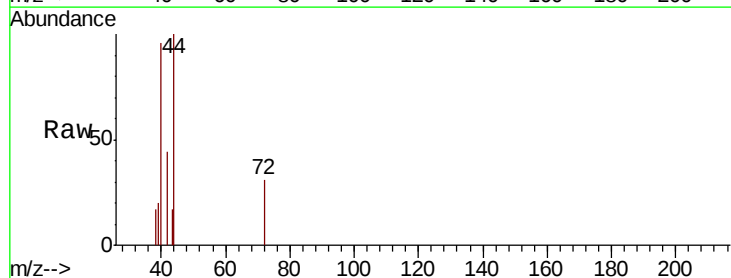
Tgt Ion: 42 Resp: 524

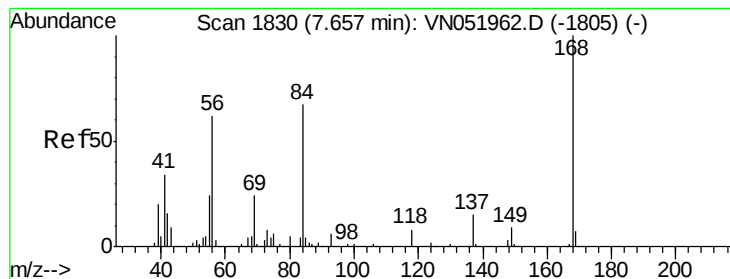
Ion Ratio Lower Upper

42 100

72 43.5 47.5 71.3#

71 16.0 45.4 68.2#





#31

Cvclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB114155TB

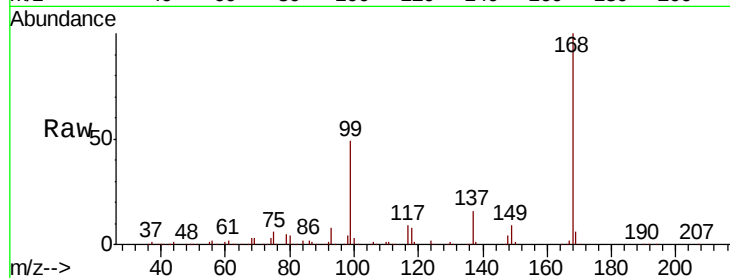
Tot Ion: 56 Resp: 17634

Ion Ratio Lower Upper

56 100

69 160.3 31.2 46.8#

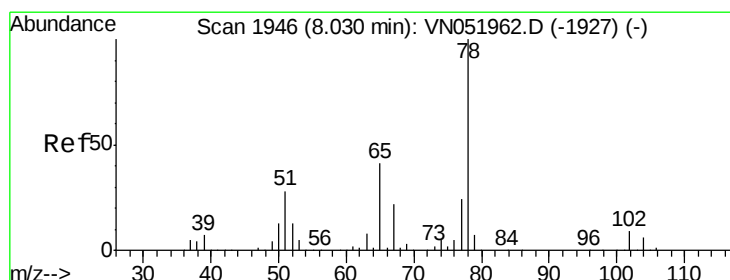
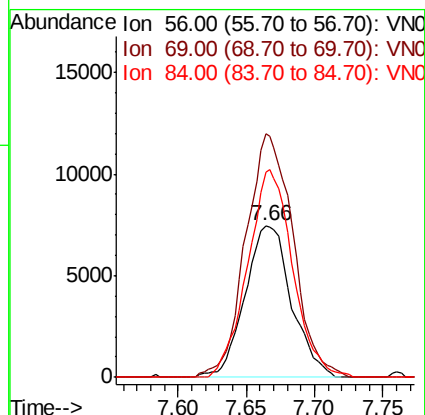
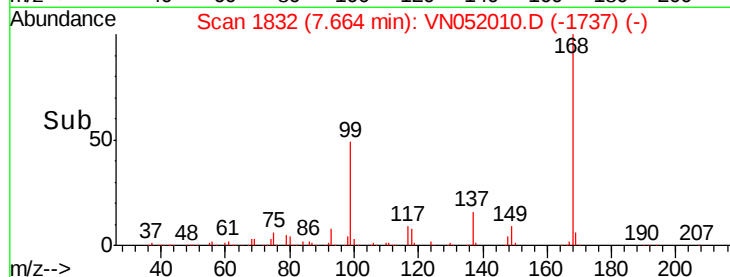
84 134.9 86.3 129.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052010.D

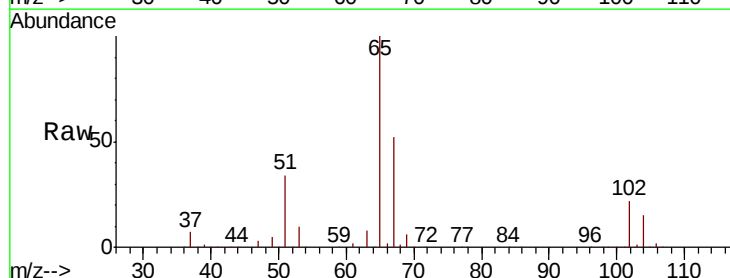
Acq: 25 Oct 2018 14:28

Tgt Ion: 65 Resp: 587613

Ion Ratio Lower Upper

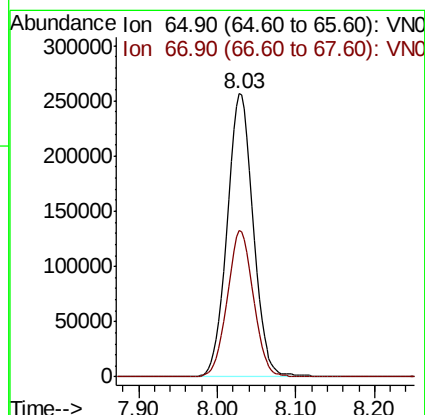
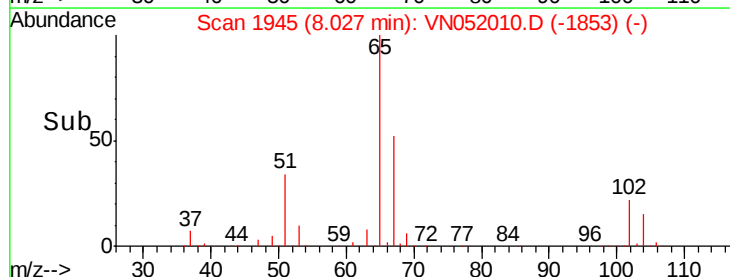
65 100

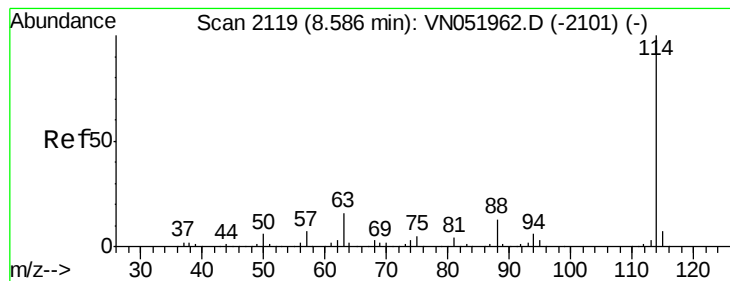
67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

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ClientSampled :

PB114155TB

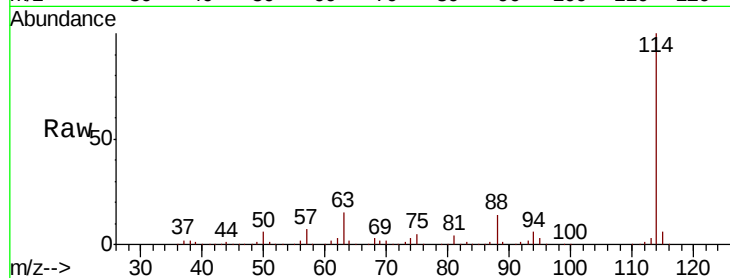
Tot Ion:114 Resp: 1660893

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.2

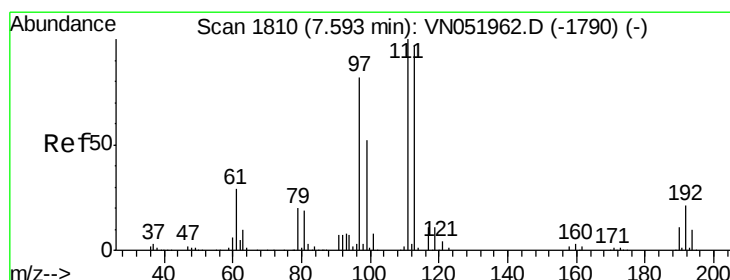
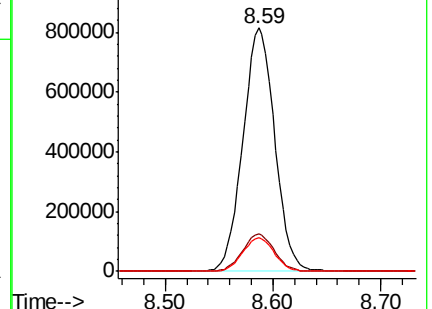
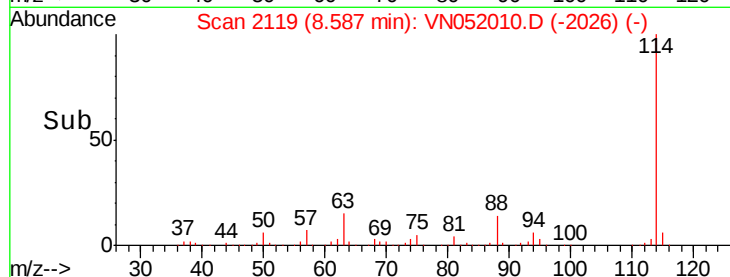
88 13.8 0.0 27.0



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: VN052010.D

Acq: 25 Oct 2018 14:28

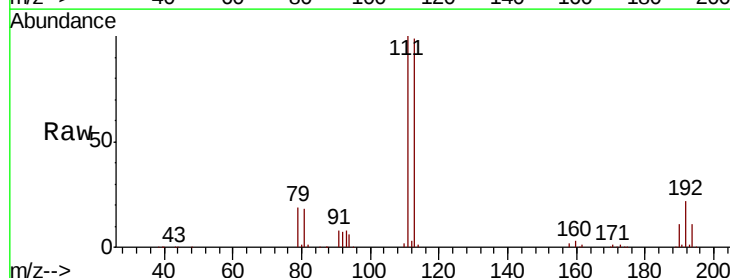
Tgt Ion:113 Resp: 606905

Ion Ratio Lower Upper

113 100

111 102.5 80.7 121.1

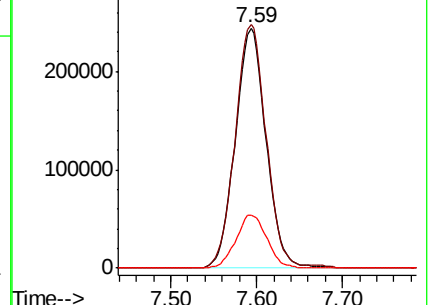
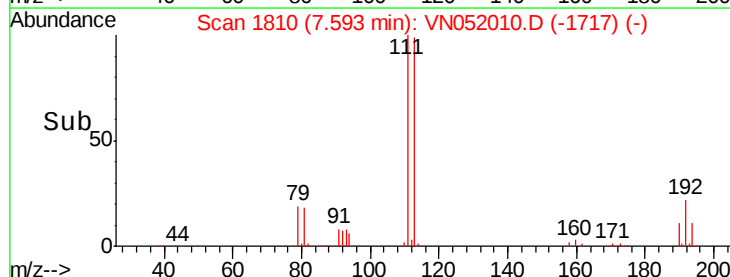
192 22.3 17.2 25.8

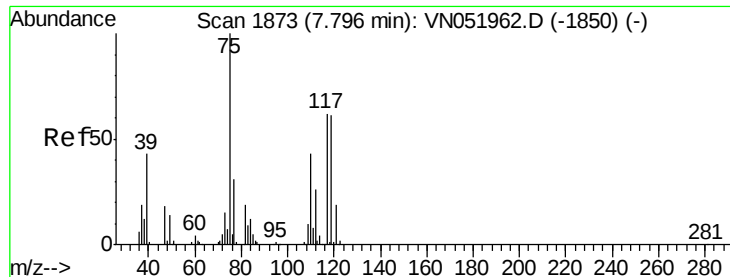


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.110 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

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MSVOA_N

ClientSampleId :

PB114155TB

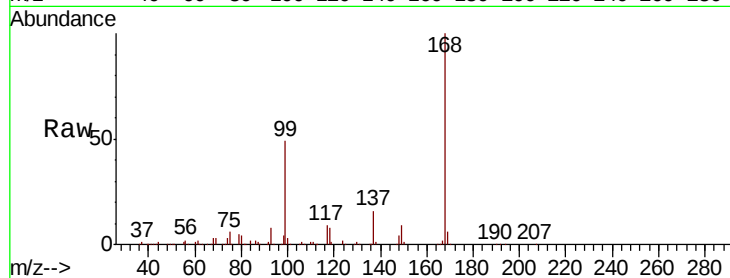
Tot Ion: 75 Resp: 65098

Ion Ratio Lower Upper

75 100

110 9.6 20.9 62.8#

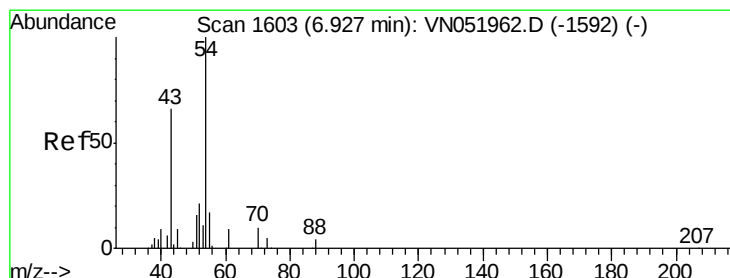
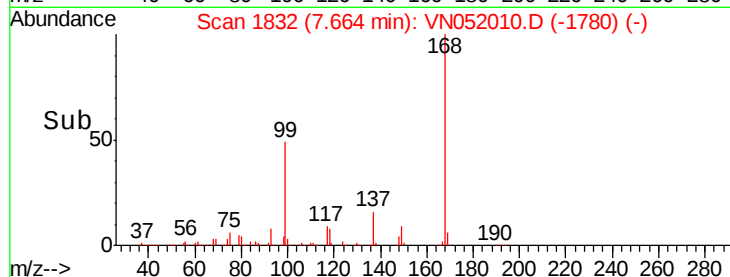
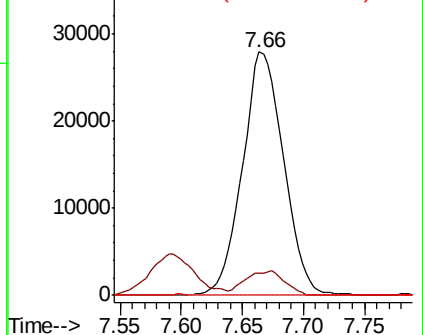
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN052010.D (-1780) (-)

Ion 109.90 (109.60 to 110.60): VN052010.D (-1780) (-)

Ion 76.90 (76.60 to 77.60): VN052010.D (-1780) (-)



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.92 min Scan# 1601

Delta R.T. -0.01 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

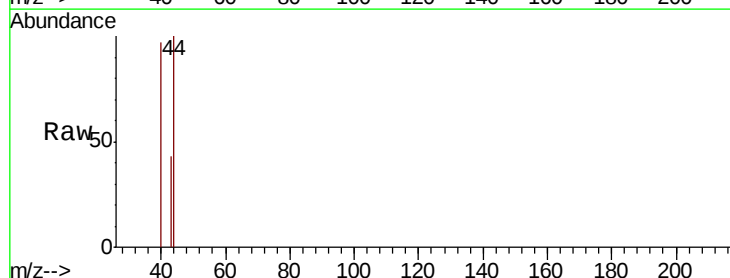
Tgt Ion: 43 Resp: 417

Ion Ratio Lower Upper

43 100

61 0.0 13.5 20.3#

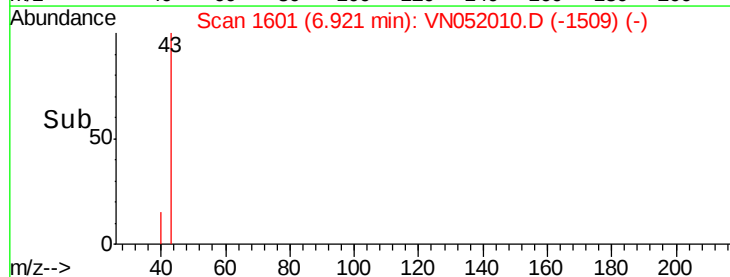
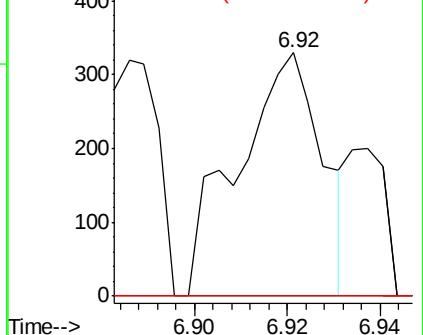
70 0.0 9.8 14.6#

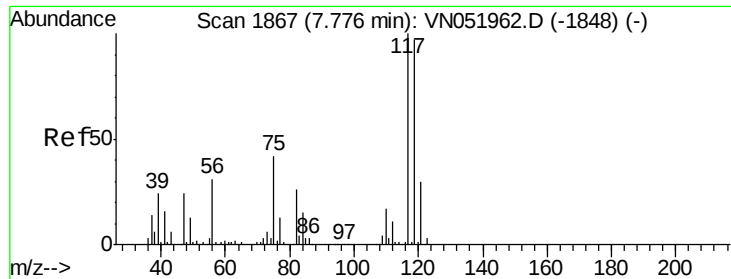


Abundance Ion 43.00 (42.70 to 43.70): VN052010.D (-1509) (-)

Ion 60.90 (60.60 to 61.60): VN052010.D (-1509) (-)

Ion 70.00 (69.70 to 70.70): VN052010.D (-1509) (-)

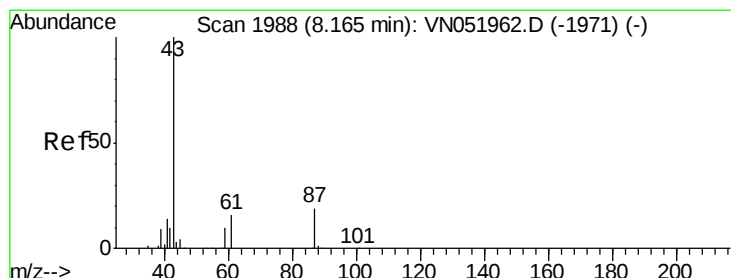
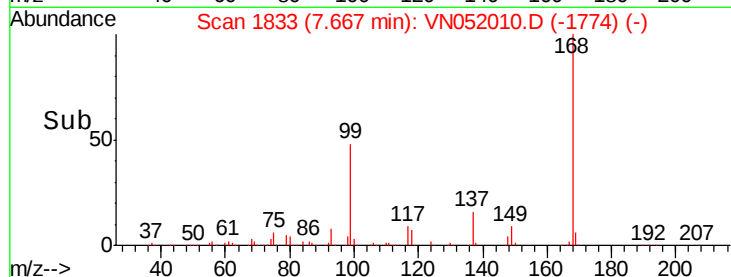
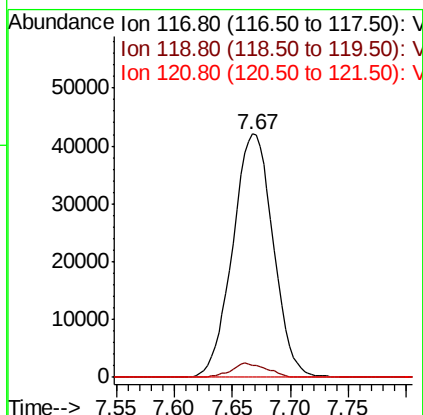
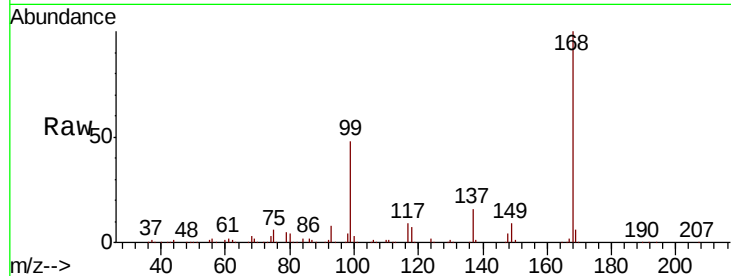




#38
Carbon Tetrachloride
Concen: 6.970 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

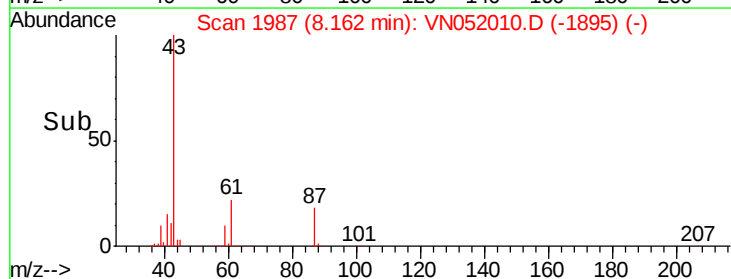
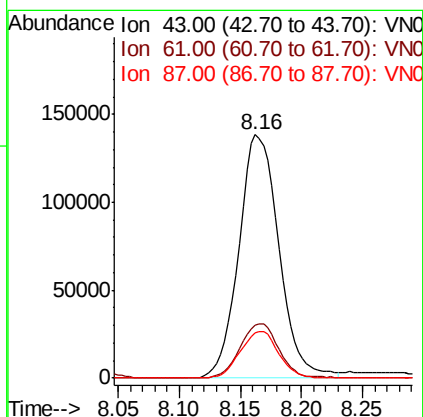
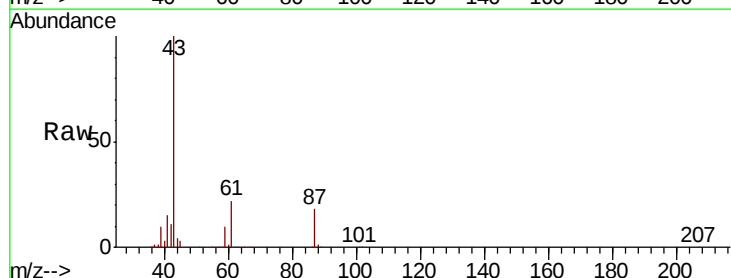
Instrument :
MSVOA_N
ClientSampled :
PB114155TB

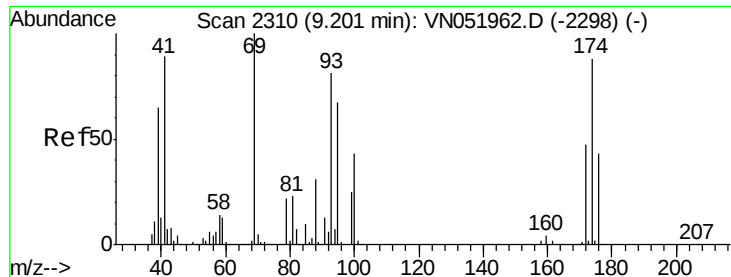
Tot Ion:117 Resp: 101949
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 24.2 36.4#



#43
Isopropyl Acetate
Concen: 29.525 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Tgt Ion: 43 Resp: 315030
Ion Ratio Lower Upper
43 100
61 21.6 17.2 25.8
87 18.3 15.2 22.8

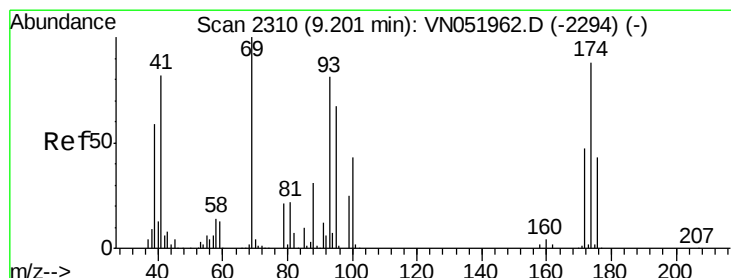
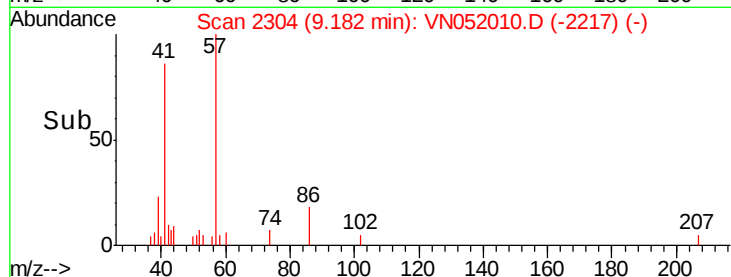
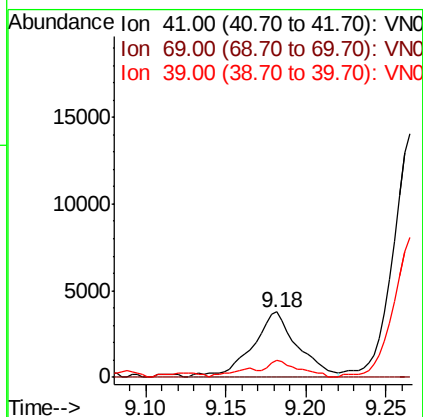
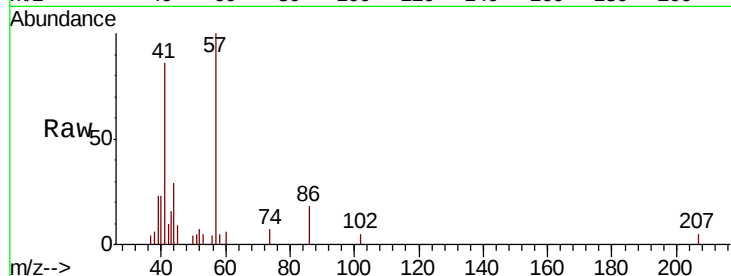




#48
Methvl methacrylate
Concen: 1.423 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

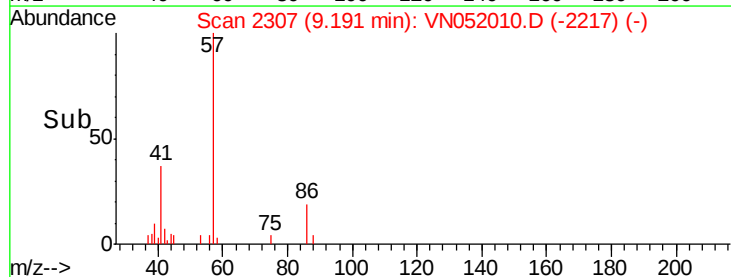
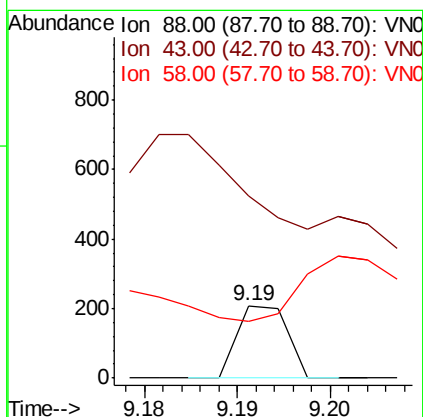
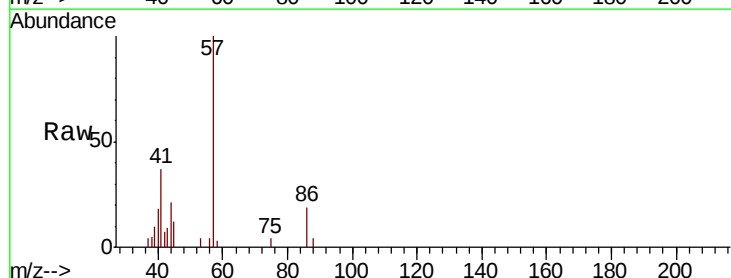
Instrument :
MSVOA_N
ClientSampled :
PB114155TB

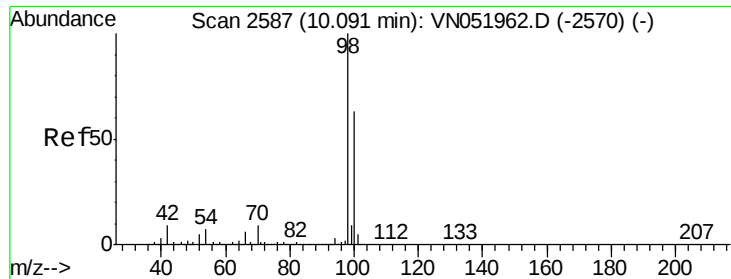
Tot Ion: 41 Resp: 7339
Ion Ratio Lower Upper
41 100
69 0.0 92.2 138.4#
39 18.1 60.2 90.4#



#49
1,4-Dioxane
Concen: 0.835 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Tgt Ion: 88 Resp: 79
Ion Ratio Lower Upper
88 100
43 0.0 18.8 28.2#
58 398.7 39.8 59.6#





#50

Toluene-d8

Concen: 0.835 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

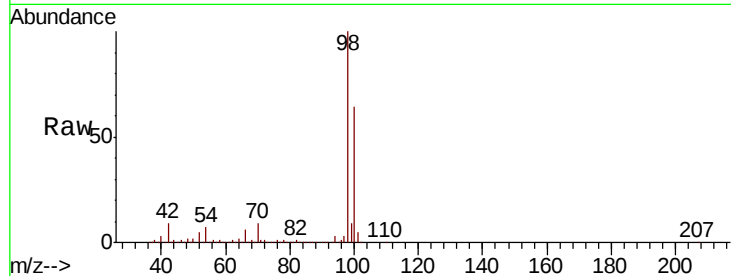
PB114155TB

Tot Ion: 98 Resp: 2275197

Ion Ratio Lower Upper

98 100

100 63.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN051962.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051962.D (-2570) (-)

10.09

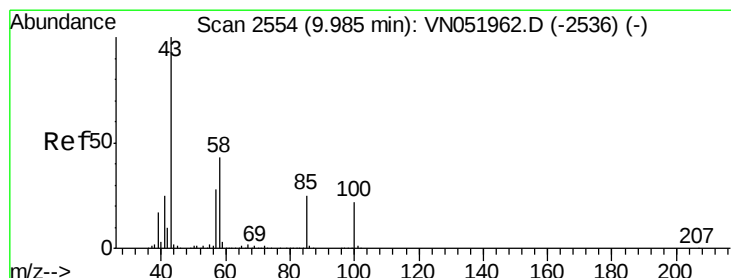
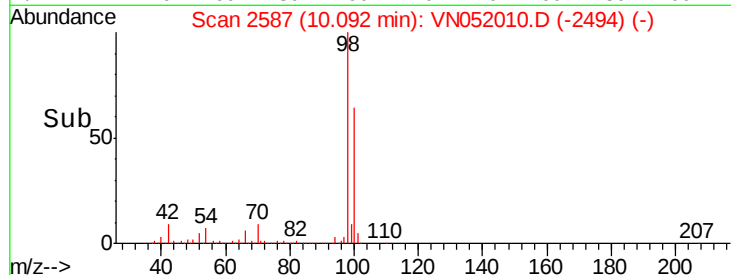
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.234 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN052010.D

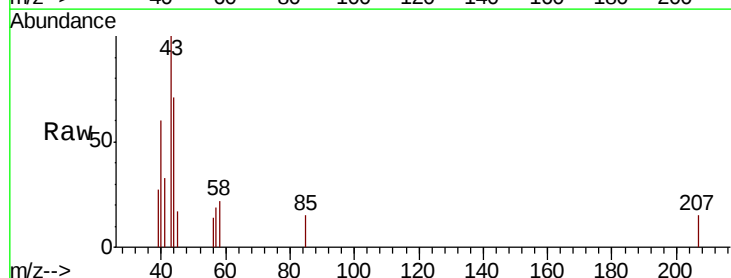
Acq: 25 Oct 2018 14:28

Tgt Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

58 0.0 34.8 52.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)

9.99

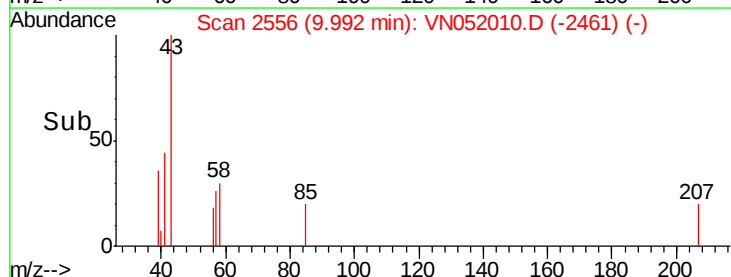
1500

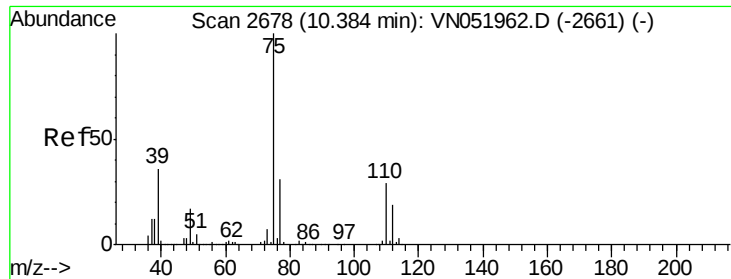
1000

500

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.250 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampled :

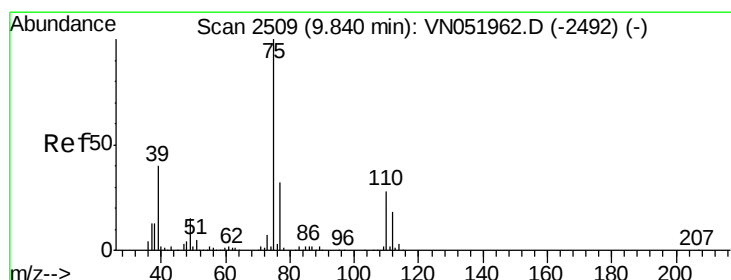
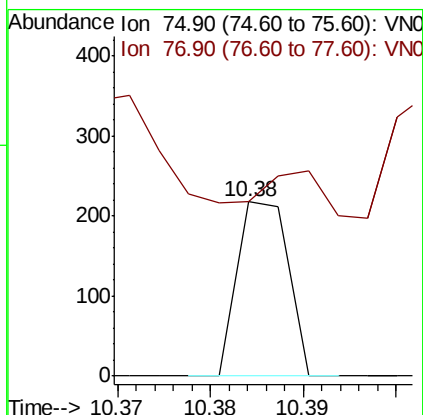
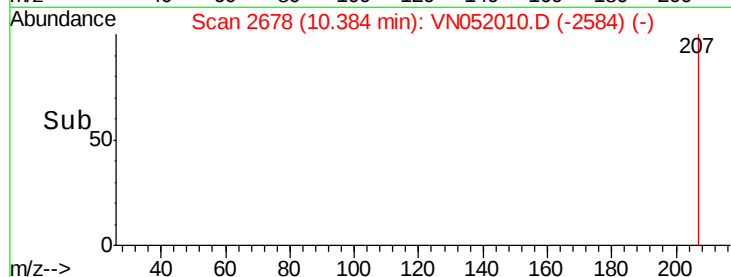
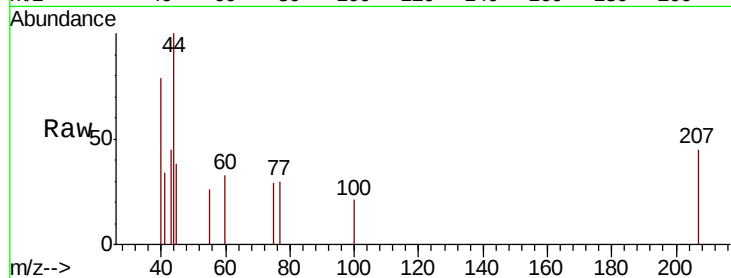
PB114155TB

Tot Ion: 75 Resp: 83

Ion Ratio Lower Upper

75 100

77 8.3 25.0 37.4#



#54

cis-1,3-Dichloropropene

Concen: 0.221 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

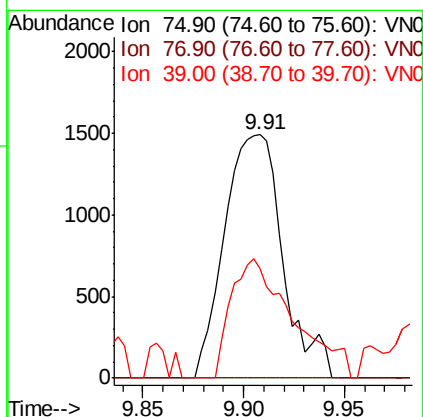
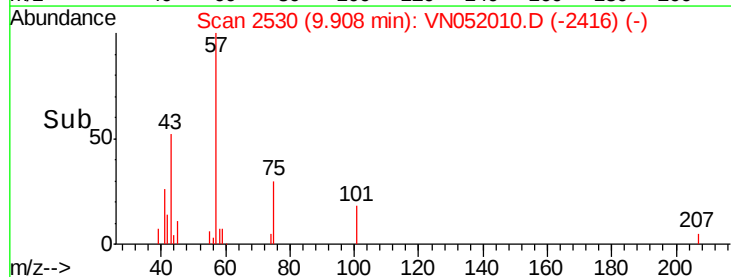
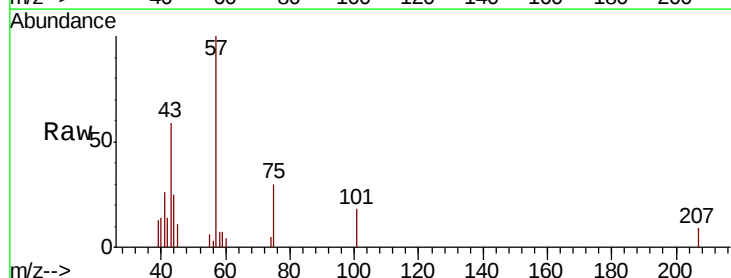
Tgt Ion: 75 Resp: 3016

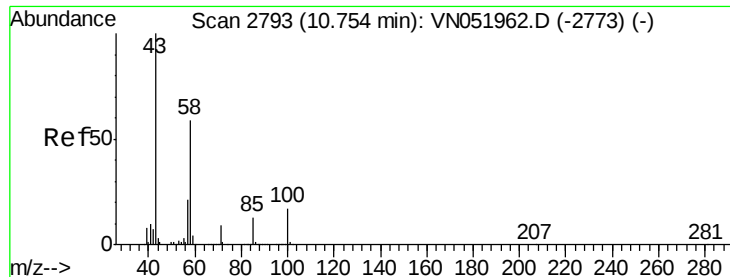
Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 44.9 32.0 48.0

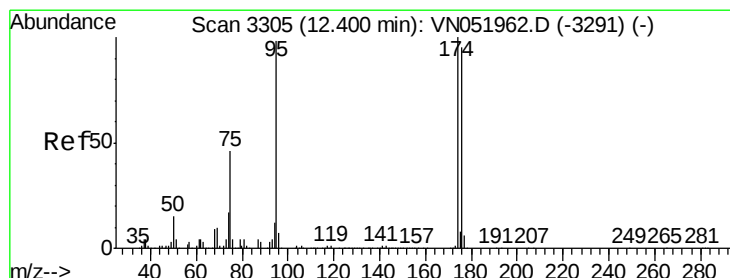
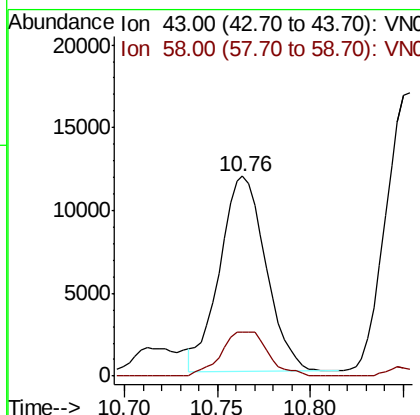
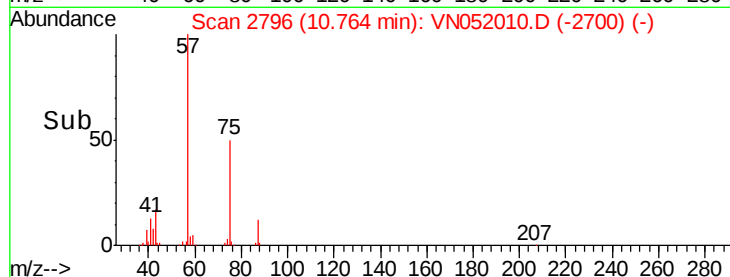
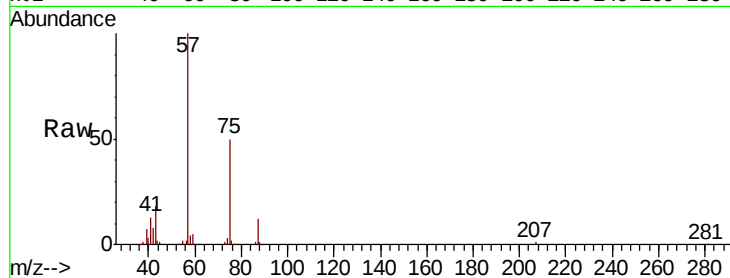




#59
2-Hexanone
Concen: 5.142 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

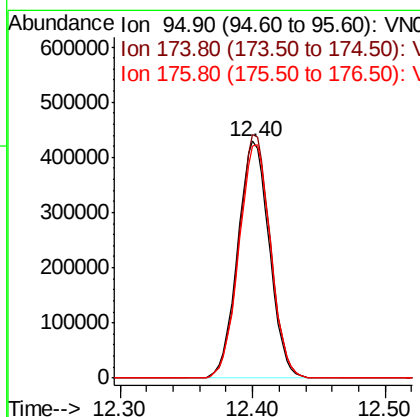
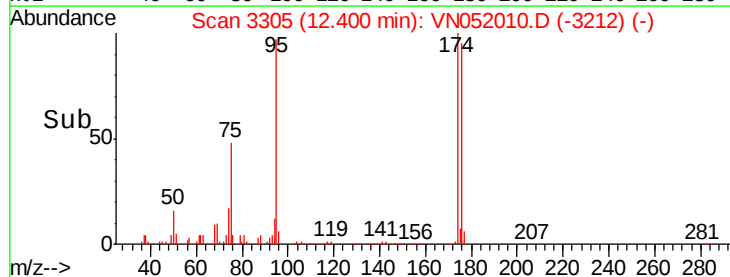
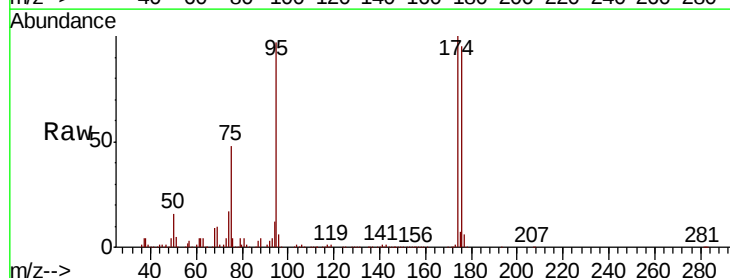
Instrument :
MSVOA_N
ClientSampleId :
PB114155TB

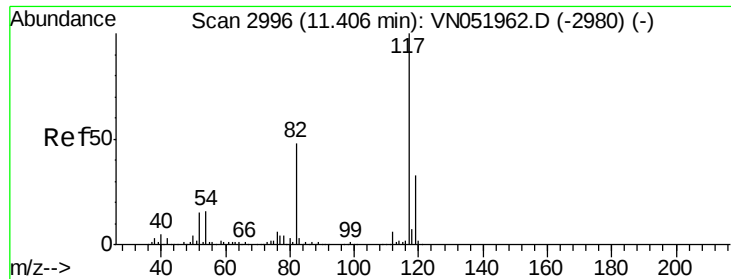
Tot Ion: 43 Resp: 20277
Ion Ratio Lower Upper
43 100
58 23.2 29.9 89.8#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Tgt Ion: 95 Resp: 707288
Ion Ratio Lower Upper
95 100
174 102.8 0.0 206.0
176 99.3 0.0 198.0

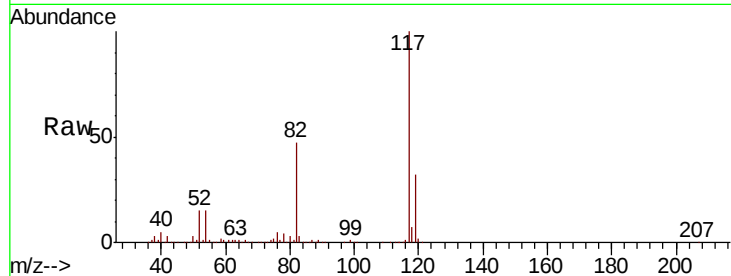




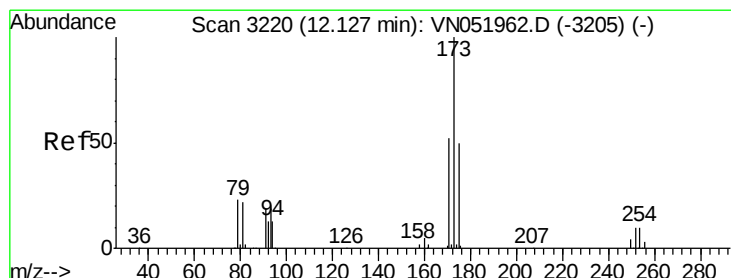
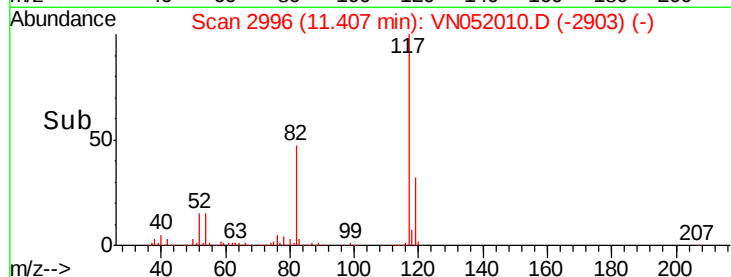
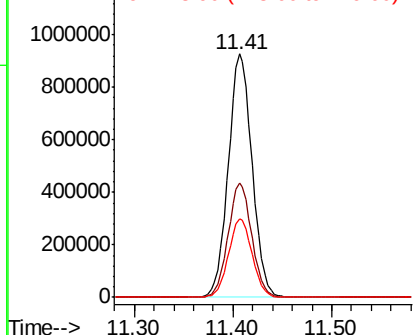
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
PB114155TB

Tot Ion:117 Resp: 1565898
Ion Ratio Lower Upper
117 100
82 46.9 38.1 57.1
119 32.1 26.4 39.6

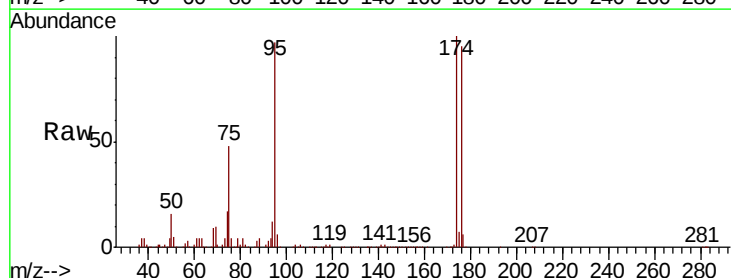


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

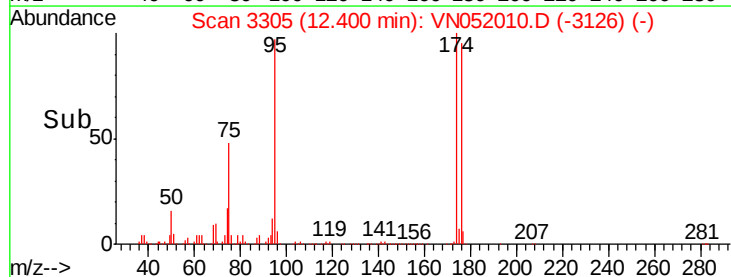
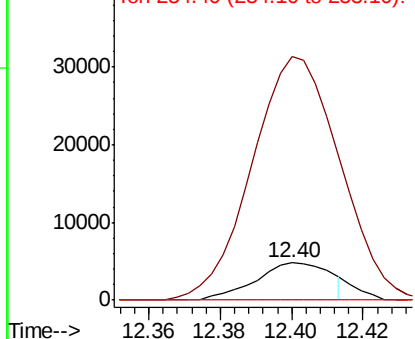


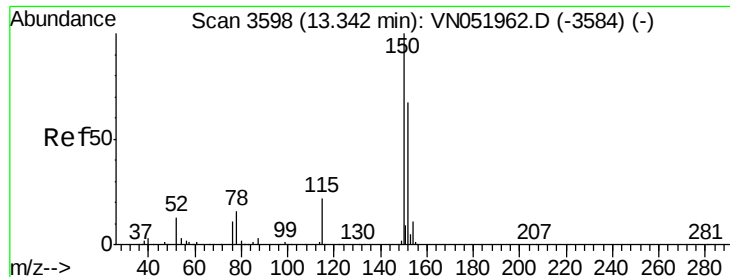
#71
Bromoform
Concen: 4.453 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052010.D
Acq: 25 Oct 2018 14:28

Tgt Ion:173 Resp: 6906
Ion Ratio Lower Upper
173 100
175 680.4 24.6 74.0#
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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB114155TB

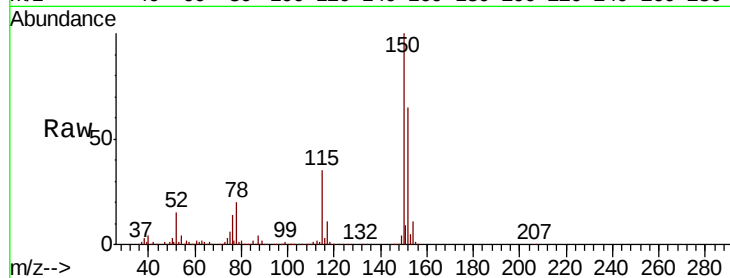
Tot Ion:152 Resp: 699414

Ion Ratio Lower Upper

152 100

115 53.2 25.8 77.3

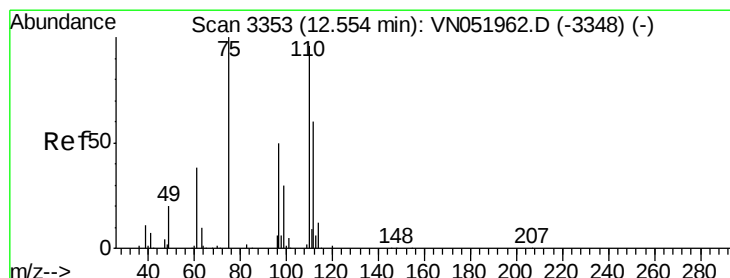
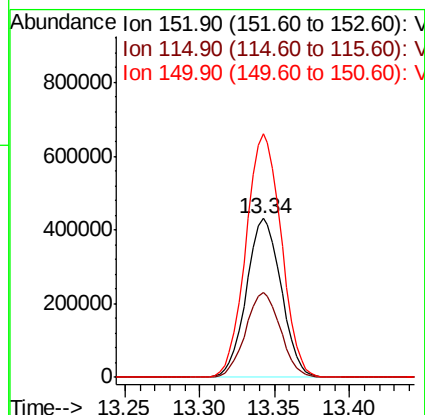
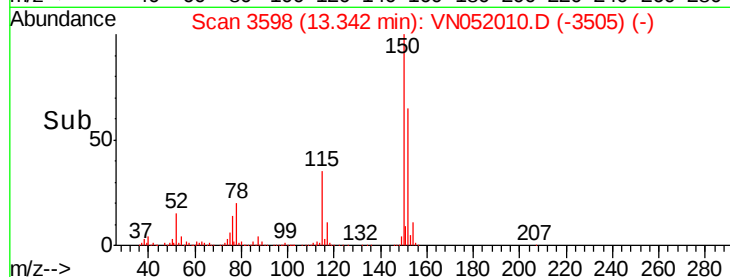
150 155.4 0.0 344.4



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: 47.741 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052010.D

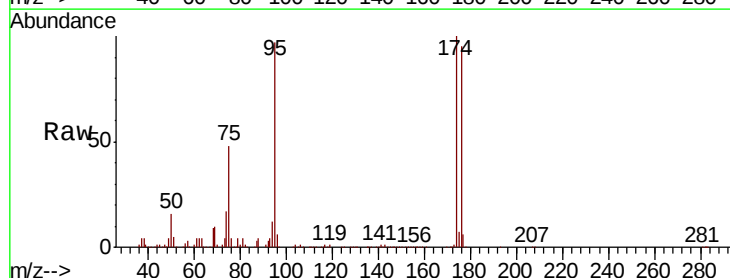
Acq: 25 Oct 2018 14:28

Tgt Ion: 75 Resp: 344908

Ion Ratio Lower Upper

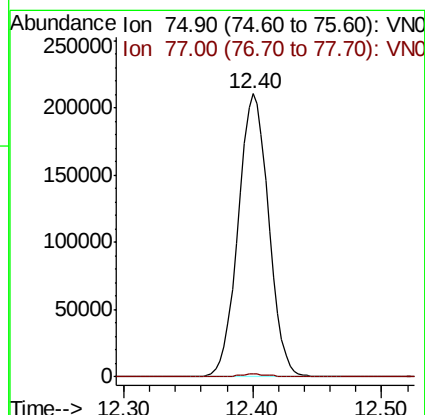
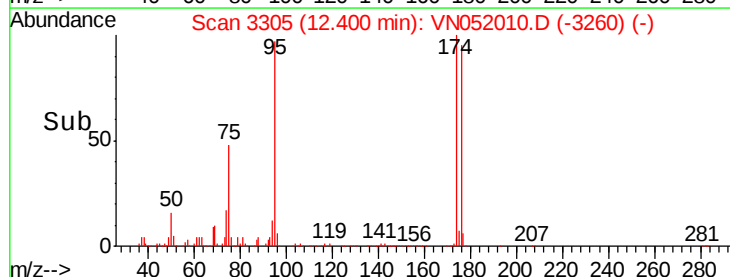
75 100

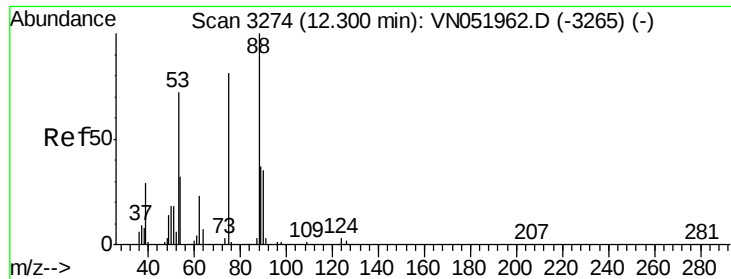
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 150.148 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052010.D

Acq: 25 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

PB114155TB

Tot Ion: 75 Resp: 344908

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

89 0.0 41.6 62.4#

