

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052419.D
 Acq On : 20 Nov 2018 20:25
 Operator : MD\SY
 Sample : J6006-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 23:58:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	304004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	514247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	431859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	153115	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	228695	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	172812	52.10	ug/l	0.00
Spiked Amount			Recovery	=	104.20%	
50) Toluene-d8	10.09	98	651262	49.91	ug/l	0.00
Spiked Amount			Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.40	95	187905	43.78	ug/l	0.00
Spiked Amount			Recovery	=	87.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	65	0.287	ug/l #	72
13) Acrolein	3.62	56	33	21.858	ug/l #	77
16) Acetone	3.82	43	6828	5.776	ug/l	91
17) Carbon Disulfide	4.06	76	2049	0.228	ug/l #	74
18) Methyl Acetate	4.34	43	1234	0.801	ug/l #	57
20) Methylene Chloride	4.55	84	10503	2.251	ug/l	89
29) Tetrahydrofuran	7.22	42	643	0.588	ug/l #	40
30) Chloroform	7.38	83	2817	0.420	ug/l	94
31) Cyclohexane	7.67	56	9468	0.398	ug/l #	27
36) 1,1-Dichloropropene	7.67	75	28938	5.614	ug/l #	51
38) Carbon Tetrachloride	7.67	117	33978	7.175	ug/l #	16
39) Methylcyclohexane	9.08	83	1723	0.293	ug/l #	84
41) Methacrylonitrile	7.18	41	242	3.803	ug/l #	100
43) Isopropyl Acetate	8.17	43	18801	2.605	ug/l #	81
48) Methyl methacrylate	9.18	41	5779	1.578	ug/l #	16
51) 4-Methyl-2-Pentanone	10.03	43	3165	0.871	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	22544	3.950	ug/l #	77
57) 1,3-Dichloropropane	10.76	76	3360	0.594	ug/l #	43
59) 2-Hexanone	10.76	43	62233	24.901	ug/l #	55
71) Bromoform	12.40	173	2235	1.216	ug/l #	1
73) Isopropylbenzene	12.25	105	7972	0.648	ug/l	98
76) 1,2,3-Trichloropropane	12.40	75	108103	41.609	ug/l #	100
78) n-propylbenzene	12.59	91	15059	1.046	ug/l	93
80) 1,3,5-Trimethylbenzene	12.73	105	4524	0.462	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	108103	134.954	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	3714	0.378	ug/l	95
85) sec-Butylbenzene	13.17	105	12488	1.061	ug/l	90
86) p-Isopropyltoluene	13.29	119	2365	0.237	ug/l	91
89) n-Butylbenzene	13.61	91	7518	0.878	ug/l #	75
90) Hexachloroethane	13.89	117	4817	2.727	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.20	75	272	0.620	ug/l #	3
95) Naphthalene	15.13	128	9087	4.194	ug/l #	84

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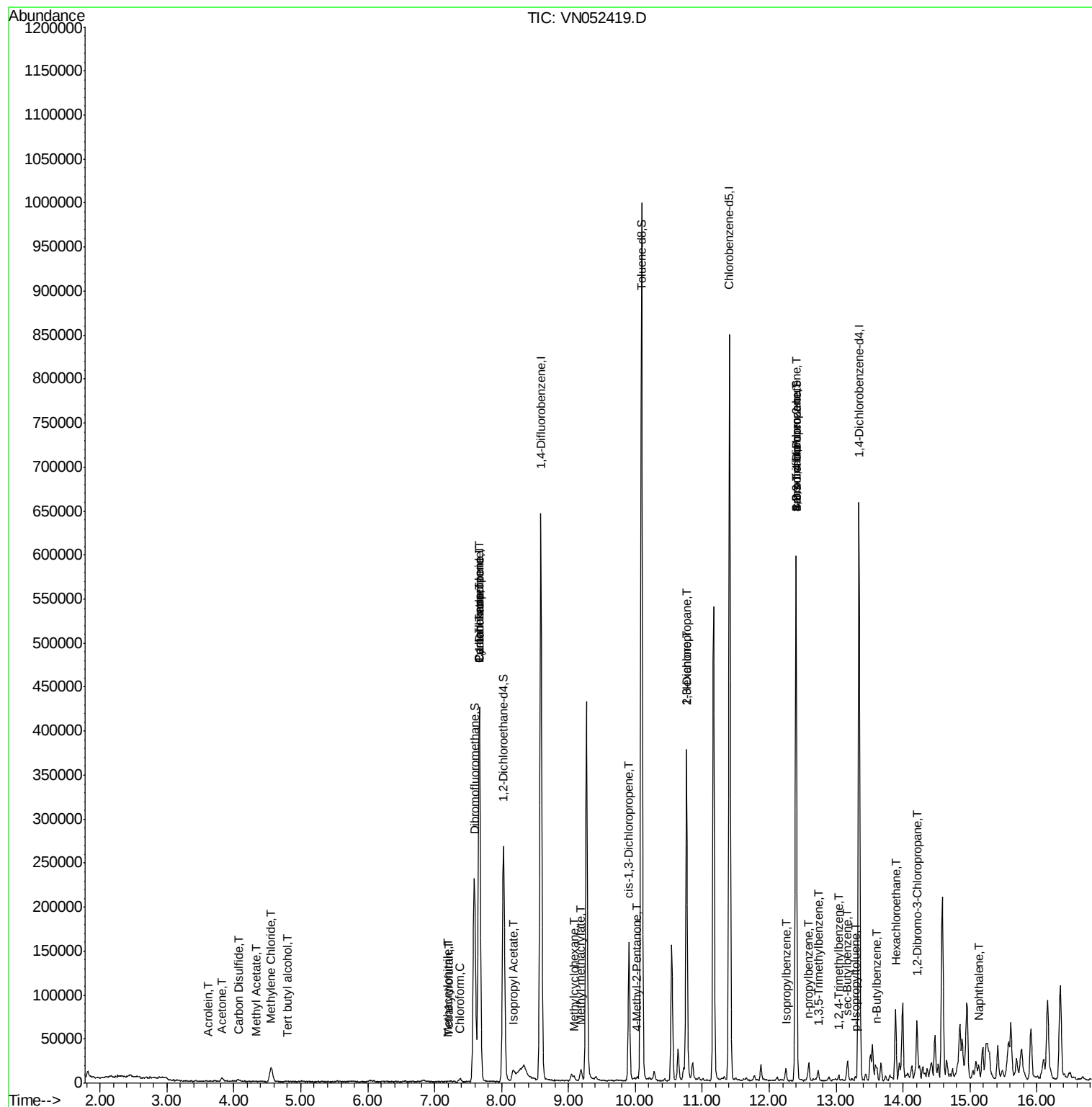
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

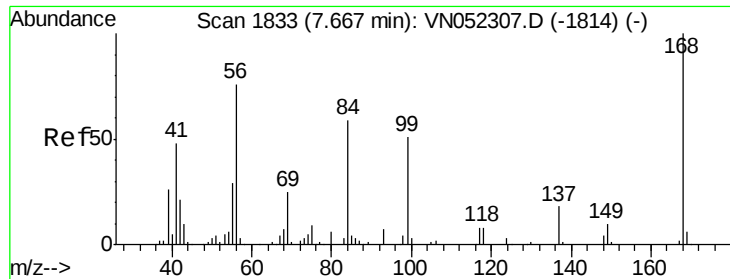
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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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: VN052419.D

Acq: 20 Nov 2018 20:25

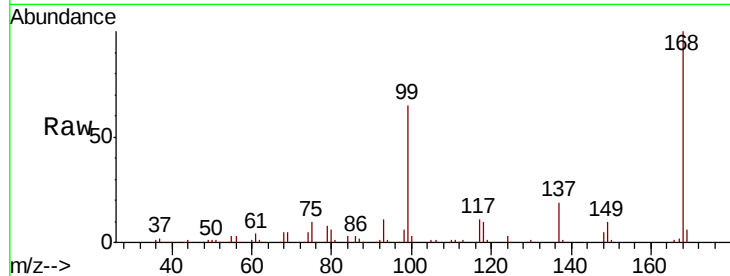
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 304004

Ion Ratio Lower Upper

168 100

99 65.0 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

100000

50000

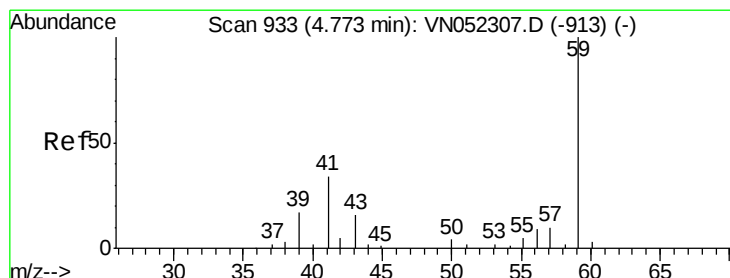
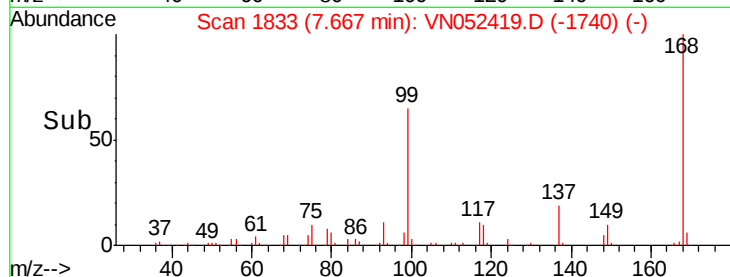
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Time-->

7.60

7.70

7.80



#11

Tert butyl alcohol

Concen: 0.287 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.02 min

Lab File: VN052419.D

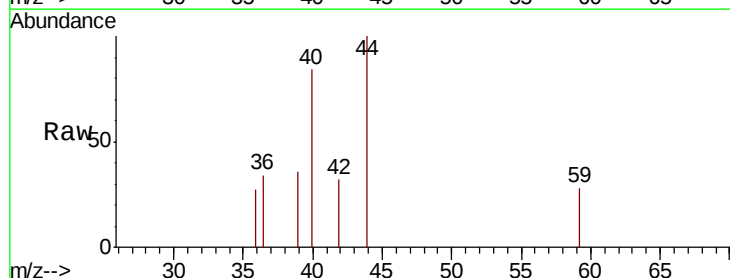
Acq: 20 Nov 2018 20:25

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.79

200

150

100

50

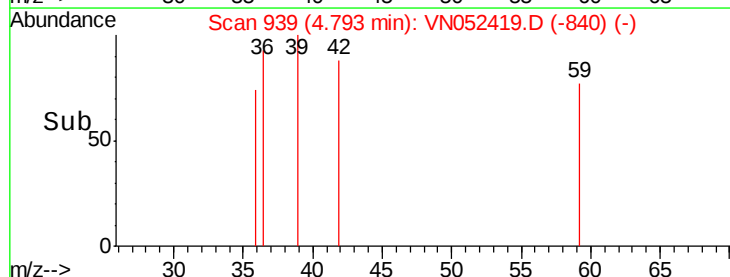
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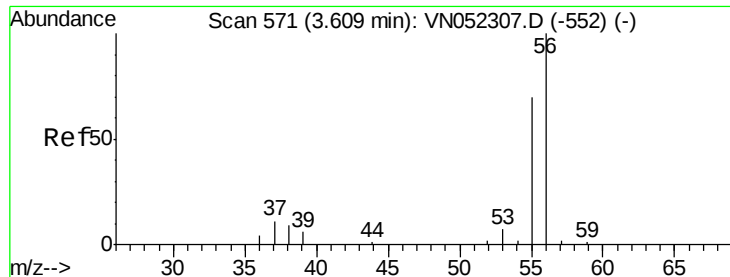
Time-->

4.78

4.79

4.80





#13

Acrolein

Concen: 21.858 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

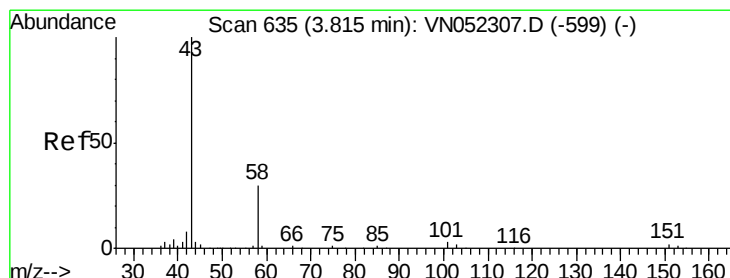
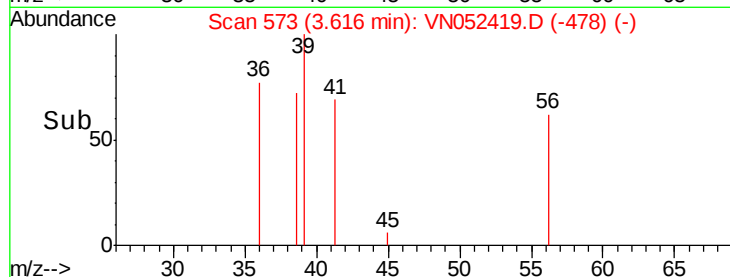
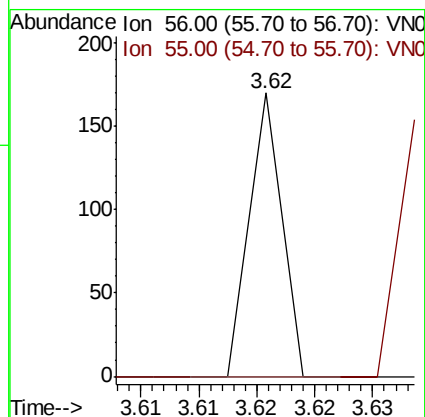
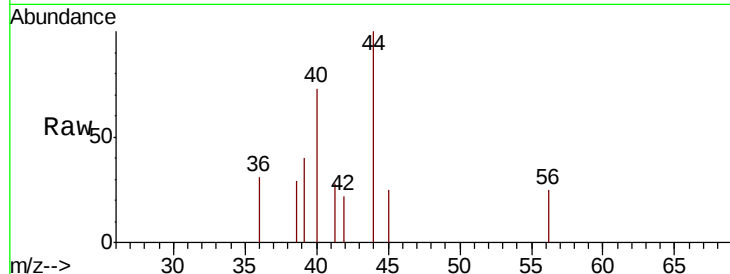
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 33

Ion Ratio Lower Upper

56 100

55 90.9 57.6 86.4#



#16

Acetone

Concen: 5.776 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052419.D

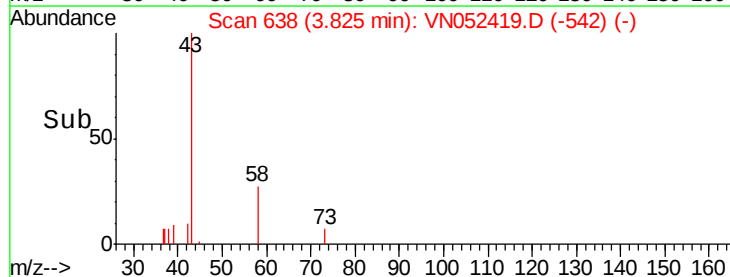
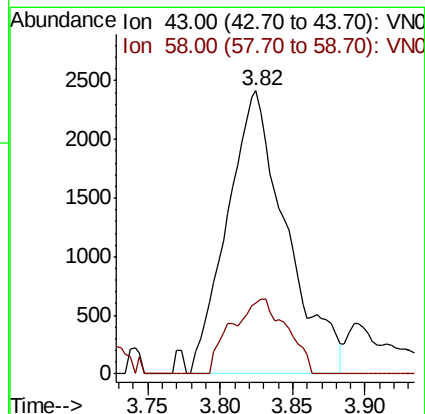
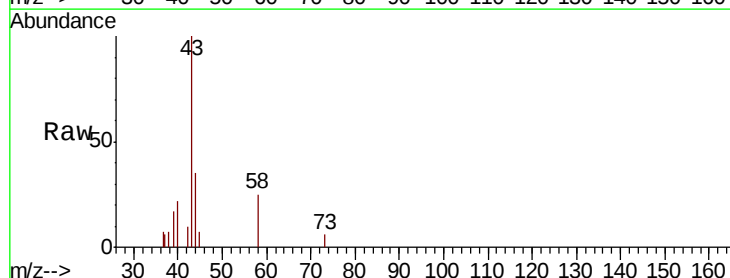
Acq: 20 Nov 2018 20:25

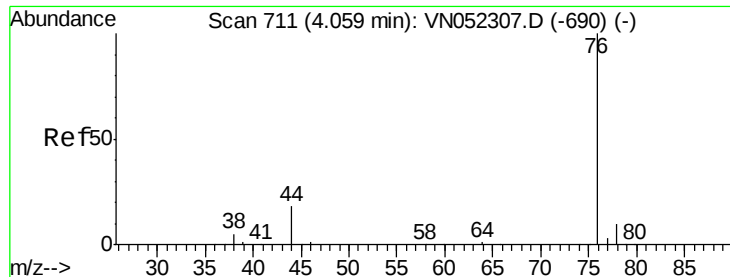
Tgt Ion: 43 Resp: 6828

Ion Ratio Lower Upper

43 100

58 25.3 24.2 36.4





#17

Carbon Disulfide

Concen: 0.228 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

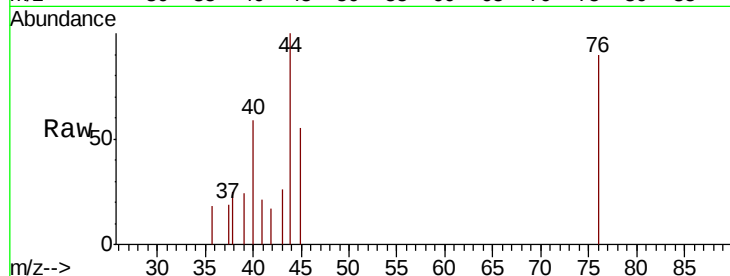
ClientSampled :

Tot Ion: 76 Resp: 2049

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

800

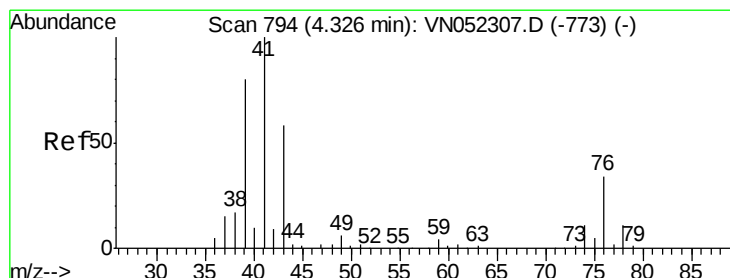
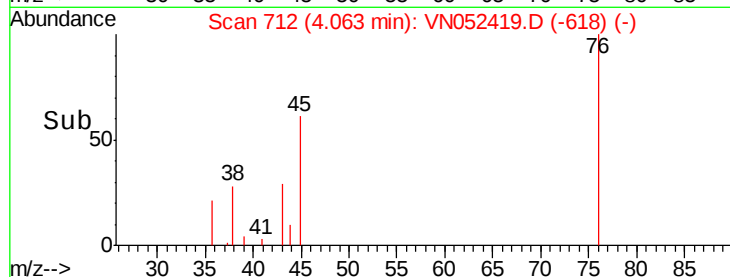
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 0.801 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052419.D

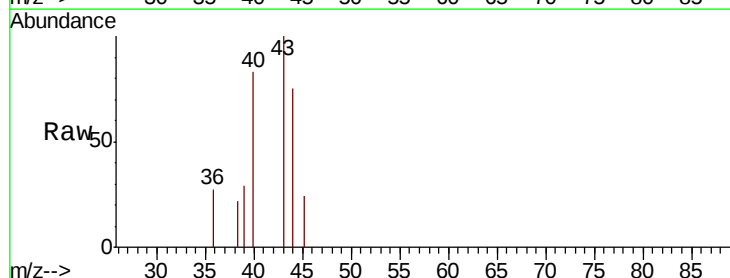
Acq: 20 Nov 2018 20:25

Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

800

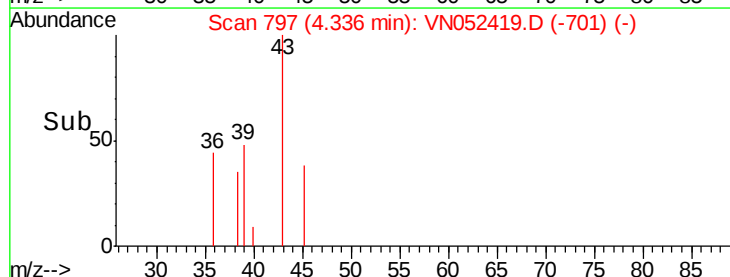
600

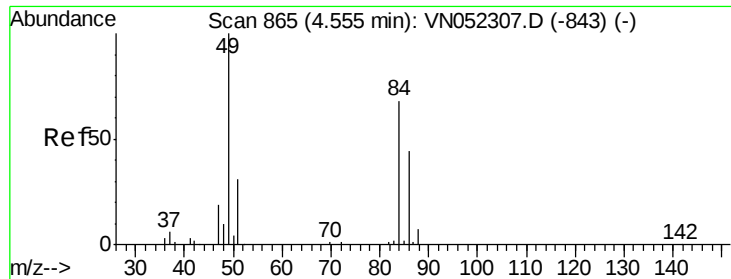
400

200

0

Time-->

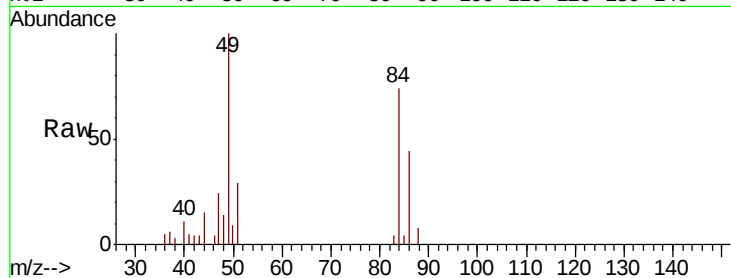




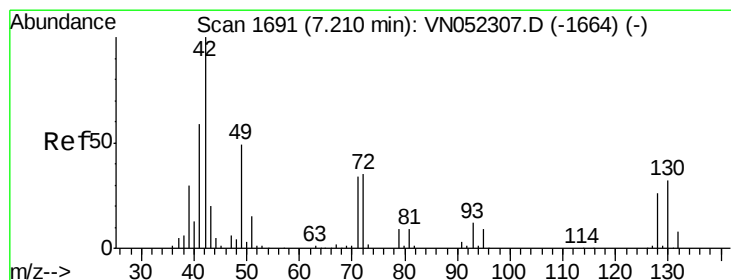
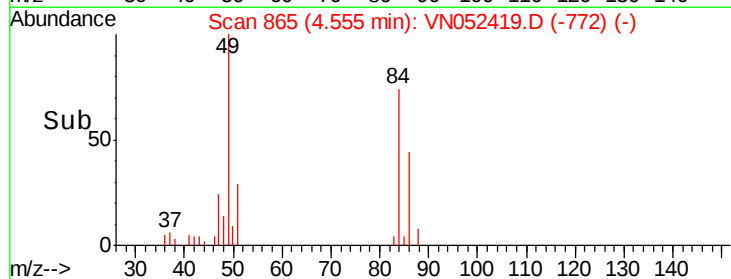
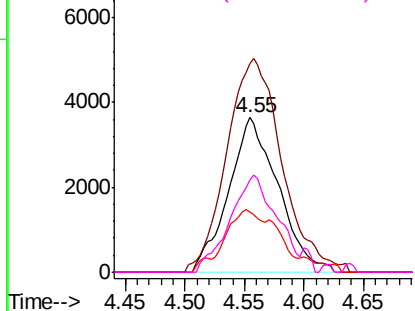
#20
Methvlene Chloride
Concen: 2.251 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	84	Resp:	10503
Ion	Ratio	Lower	Upper
84	100		
49	130.3	118.2	177.2
51	39.1	36.1	54.1
86	59.8	51.6	77.4

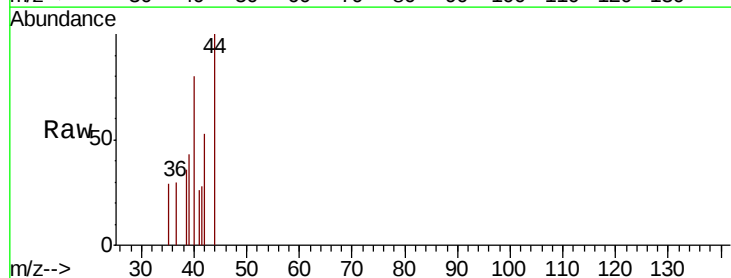


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

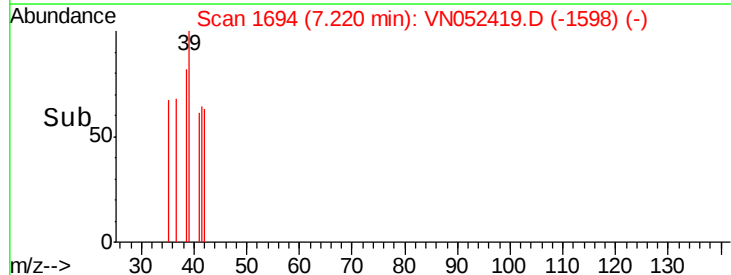
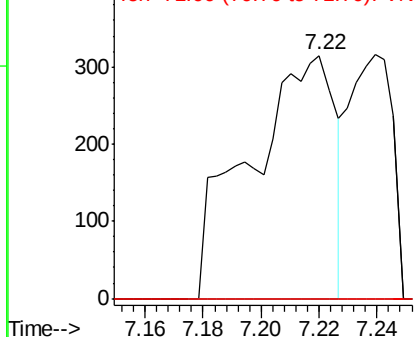


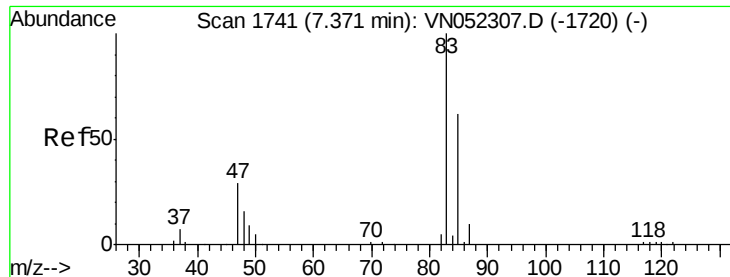
#29
Tetrahydrofuran
Concen: 0.588 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

Tgt Ion:	42	Resp:	643
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.6	42.8#
71	0.0	26.7	40.1#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

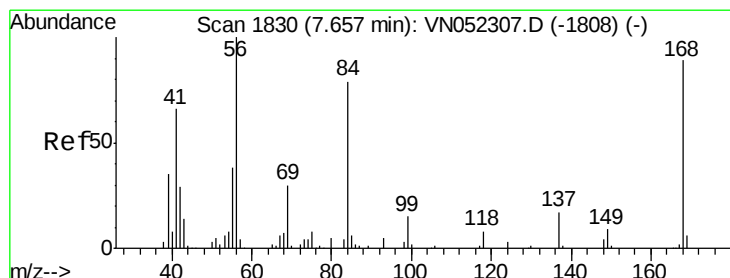
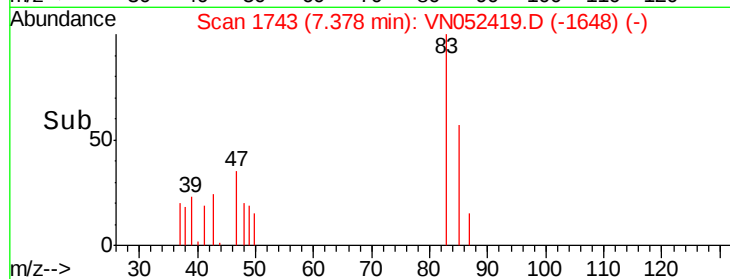
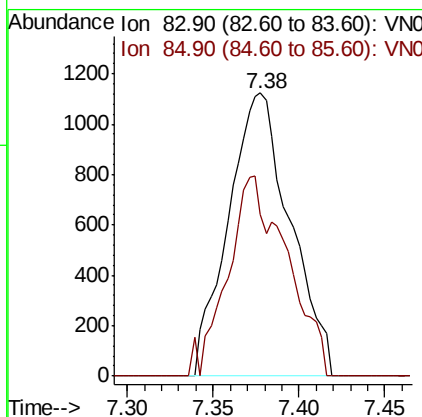
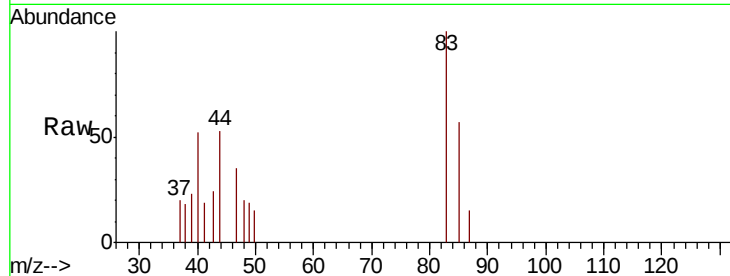




#30
Chloroform
Concen: 0.420 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

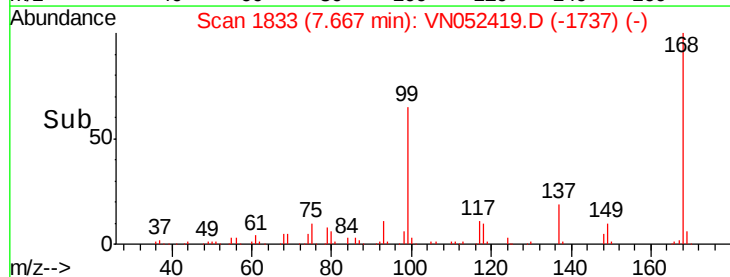
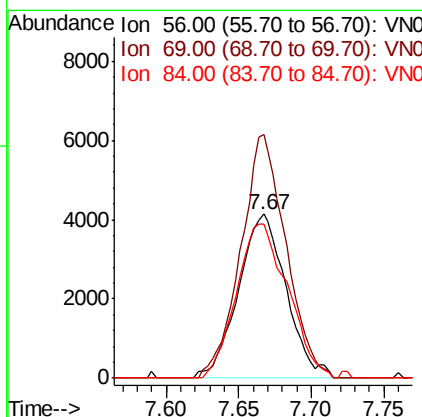
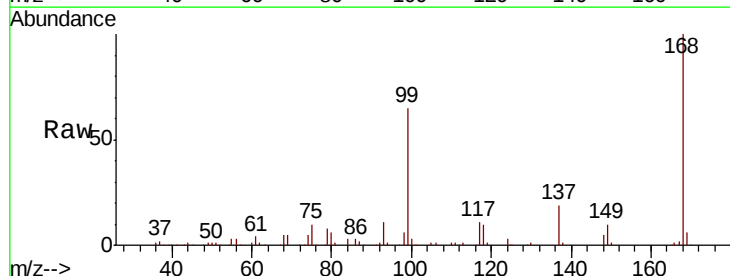
Instrument :
MSVOA_N
ClientSampled :

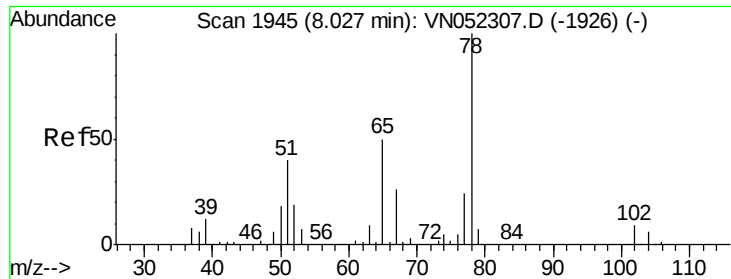
Tot Ion: 83 Resp: 2817
Ion Ratio Lower Upper
83 100
85 57.1 49.4 74.2



#31
Cyclohexane
Concen: 0.398 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

Tgt Ion: 56 Resp: 9468
Ion Ratio Lower Upper
56 100
69 148.6 23.8 35.8#
84 93.7 63.0 94.6

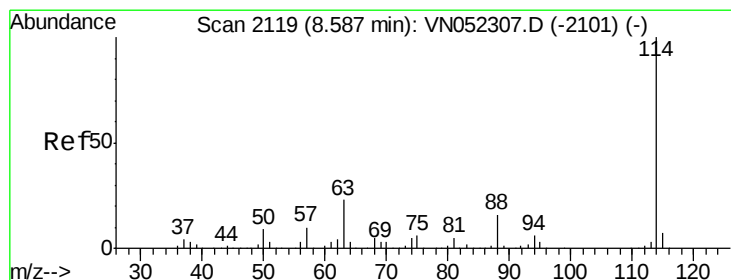
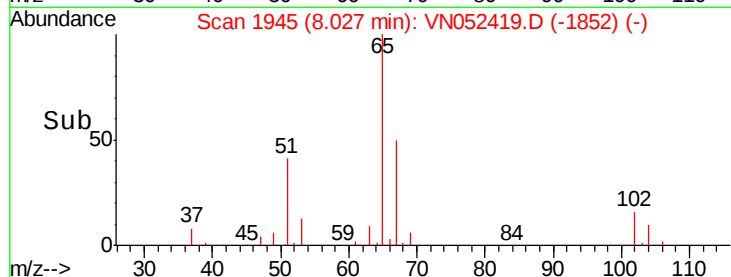
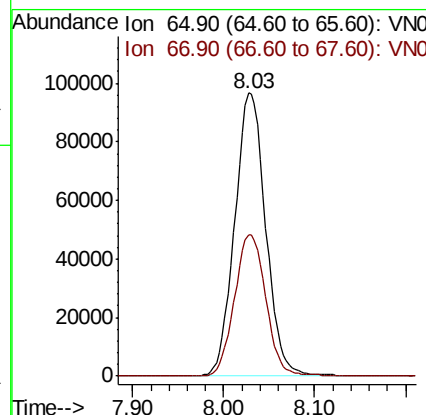
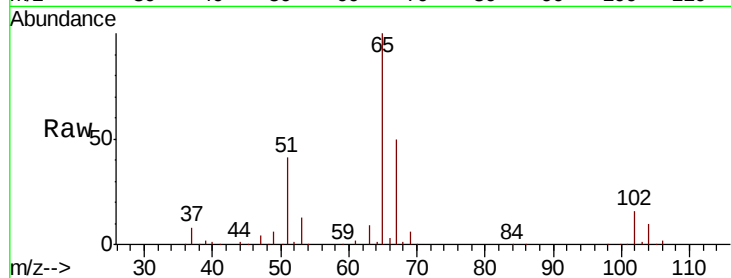




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

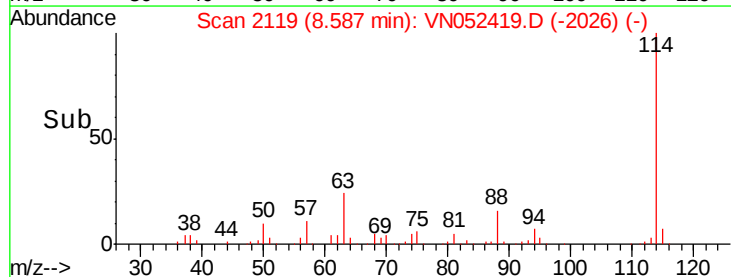
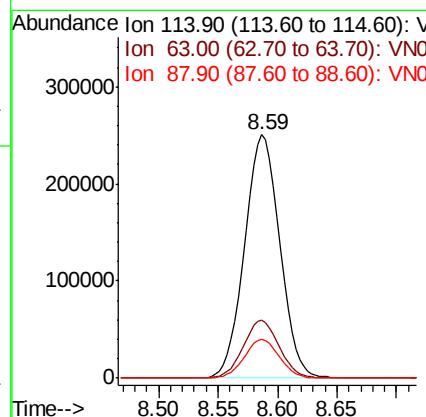
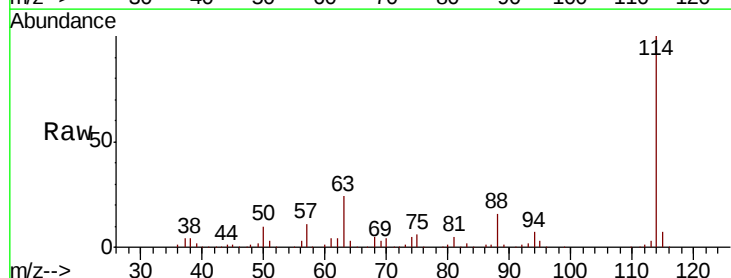
Instrument :
 MSVOA_N
 ClientSampleId :

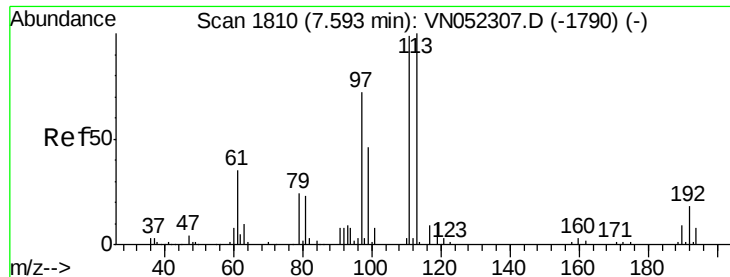
Tot Ion: 65 Resp: 228695
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

Tgt Ion: 114 Resp: 514247
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 45.4
 88 16.1 0.0 31.2

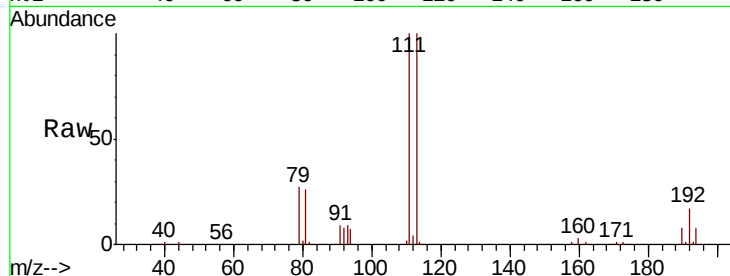




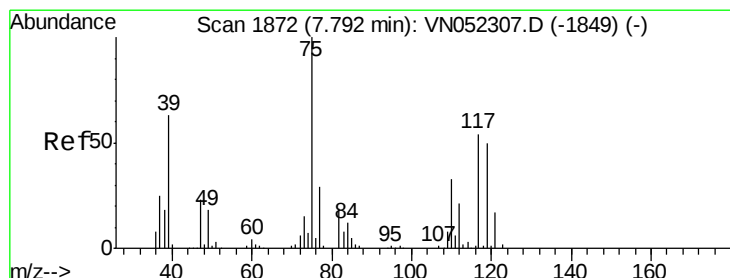
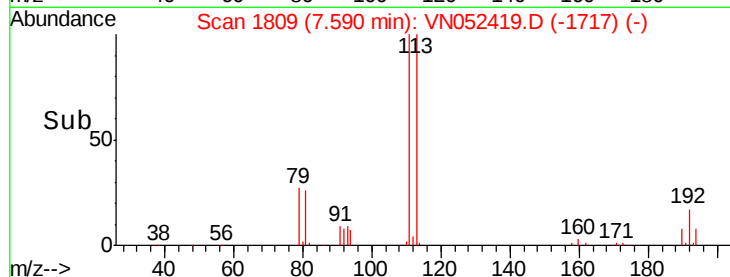
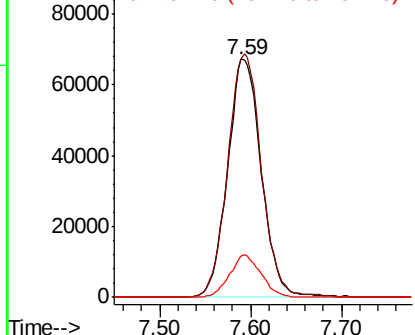
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 172812
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.0 121.6
 192 16.7 13.8 20.6

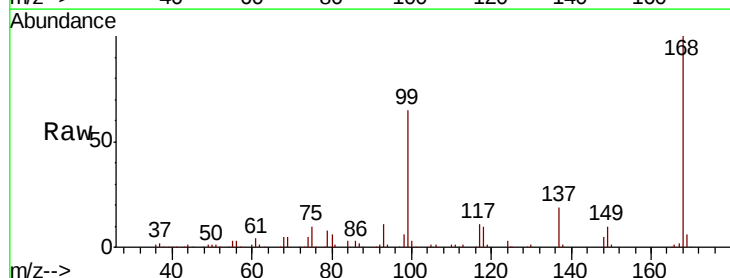


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

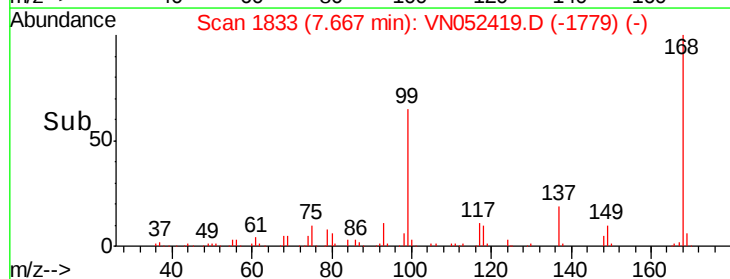
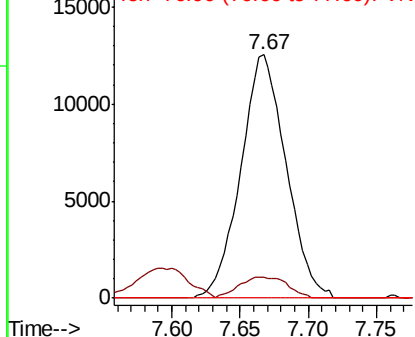


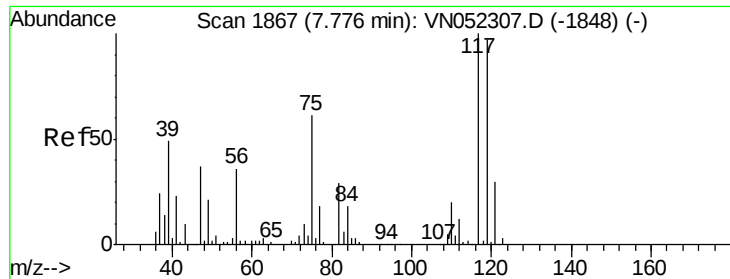
#36
 1,1-Dichloropropene
 Concen: 5.614 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

Tgt Ion: 75 Resp: 28938
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.5 49.5#
 77 0.0 24.2 36.2#



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





#38

Carbon Tetrachloride

Concen: 7.175 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

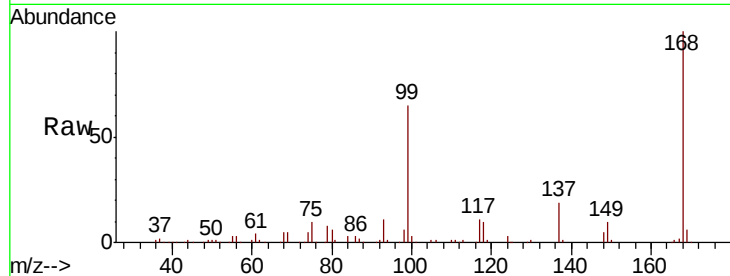
Tot Ion:117 Resp: 33978

Ion Ratio Lower Upper

117 100

119 5.2 77.4 116.0#

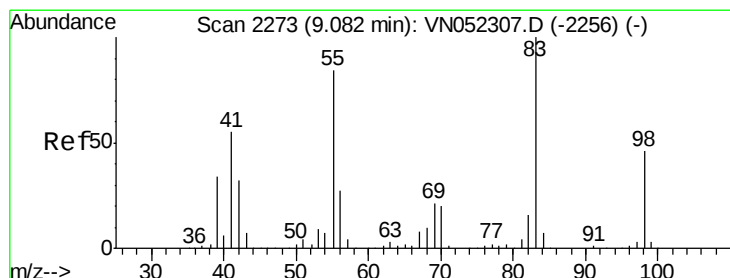
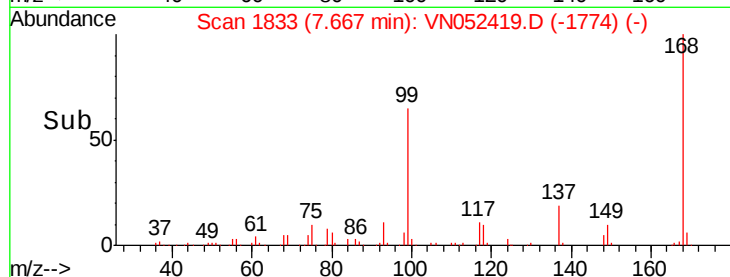
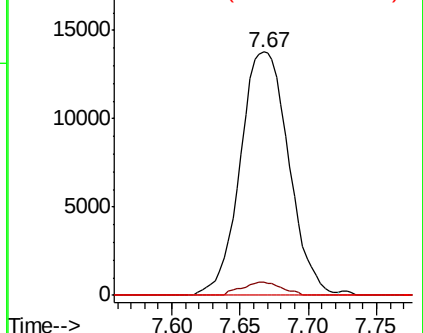
121 0.0 24.0 36.0#



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



#39

Methylcyclohexane

Concen: 0.293 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

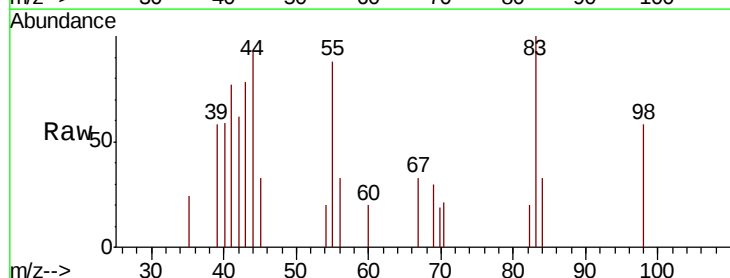
Tgt Ion: 83 Resp: 1723

Ion Ratio Lower Upper

83 100

55 69.8 66.8 100.2

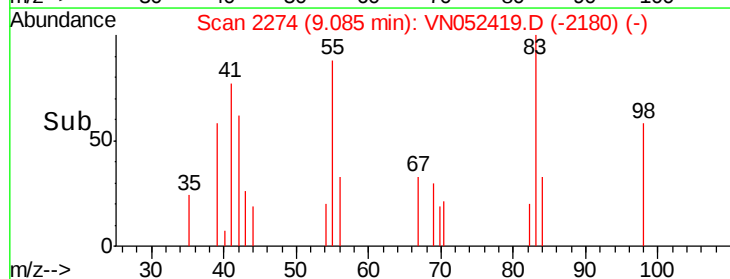
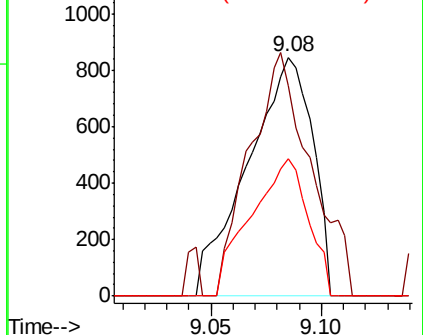
98 57.6 36.4 54.6#

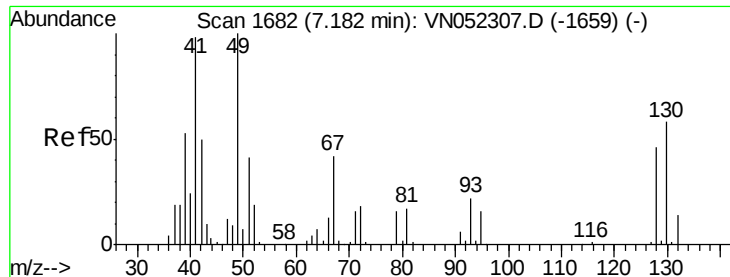


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#41

Methacrylonitrile

Concen: 3.803 ug/l

RT: 7.18 min Scan# 1683

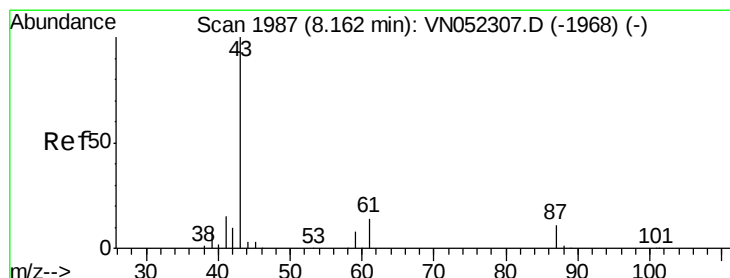
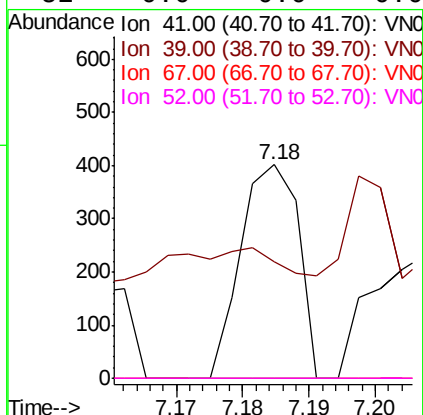
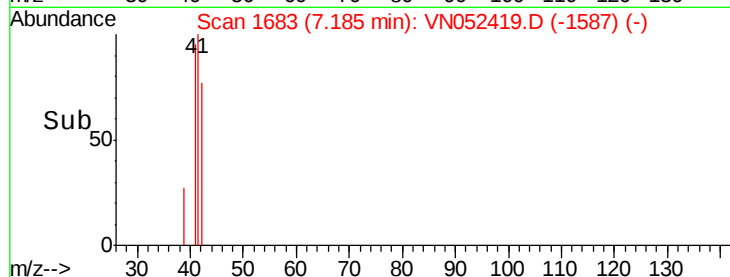
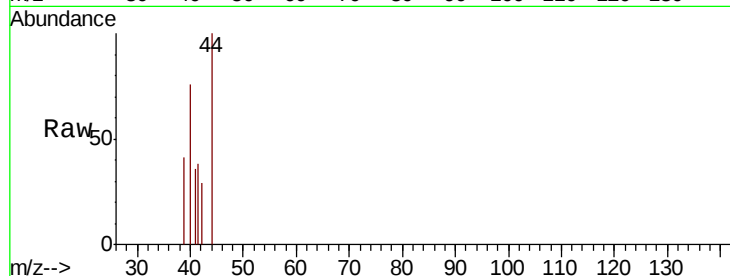
Delta R.T. 0.01 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	242
Ion	Ratio	Lower	Upper
41	100		
39	24.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43

Isopropyl Acetate

Concen: 2.605 ug/l

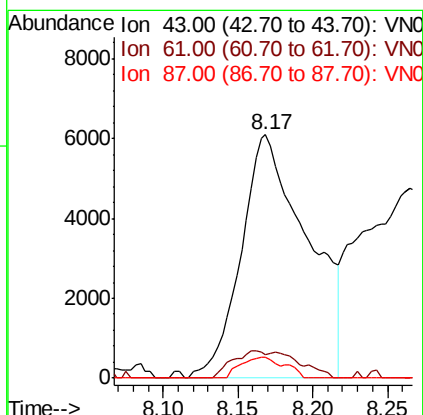
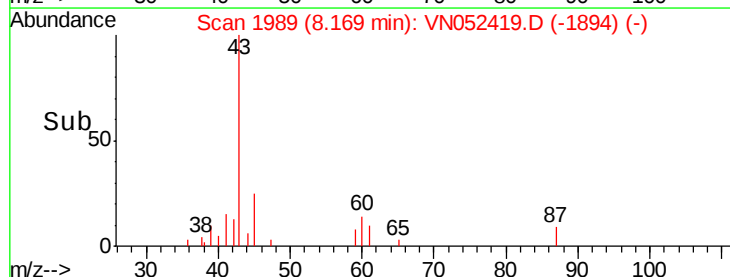
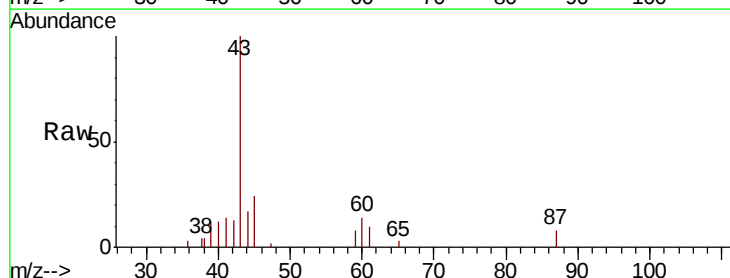
RT: 8.17 min Scan# 1989

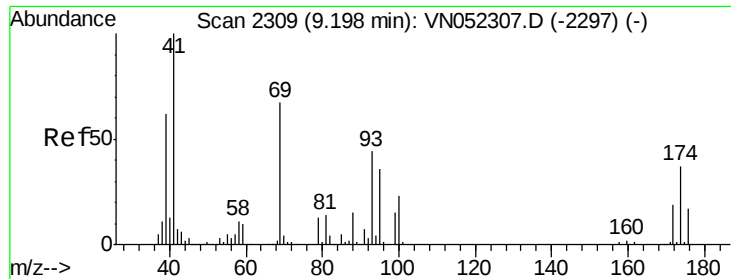
Delta R.T. 0.01 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Tgt Ion:	43	Resp:	18801
Ion	Ratio	Lower	Upper
43	100		
61	5.6	12.0	18.0#
87	5.6	8.3	12.5#

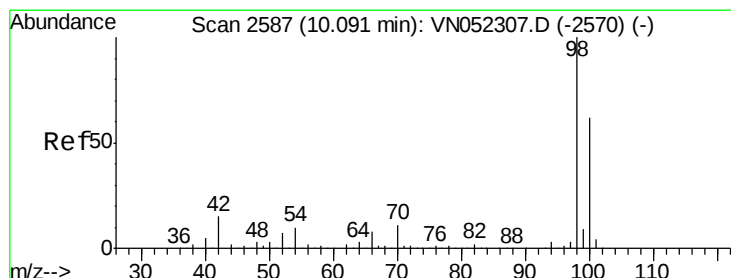
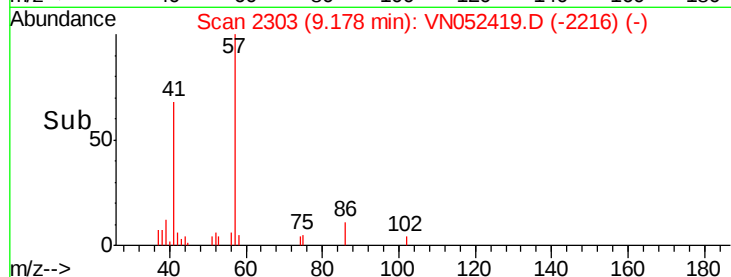
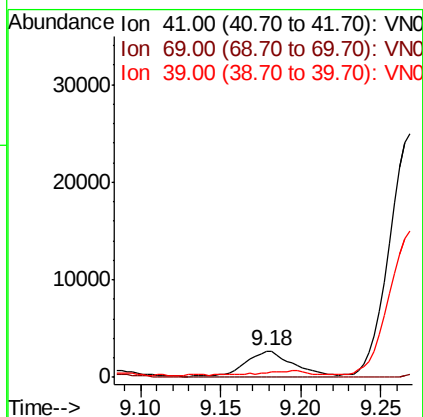
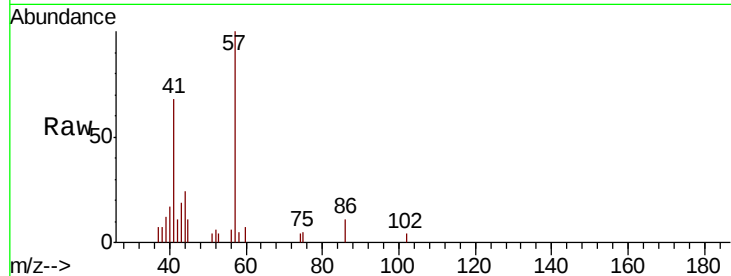




#48
Methvl methacrylate
Concen: 1.578 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

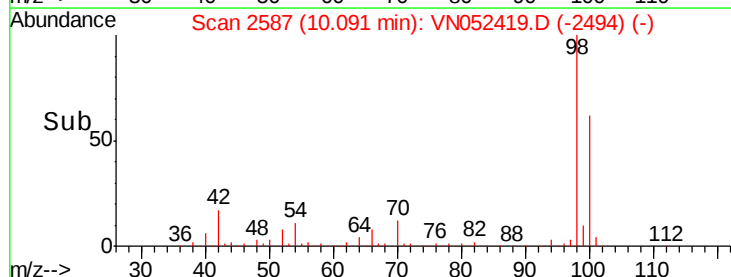
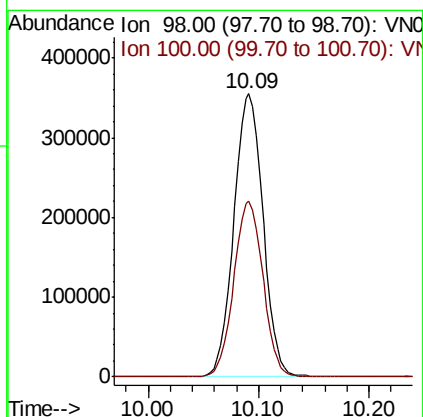
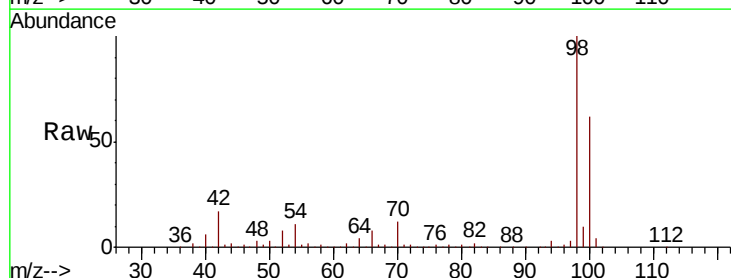
Instrument :
MSVOA_N
ClientSampleId :

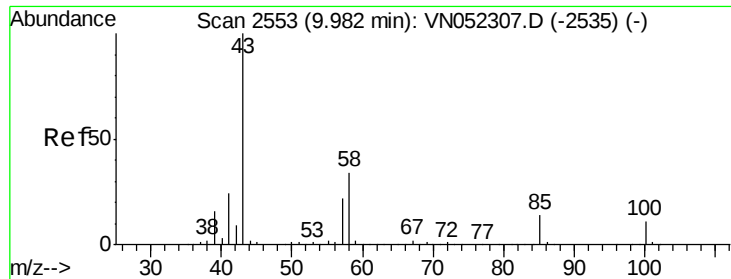
Tot Ion: 41 Resp: 5779
Ion Ratio Lower Upper
41 100
69 0.0 57.1 85.7#
39 0.0 52.5 78.7#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

Tgt Ion: 98 Resp: 651262
Ion Ratio Lower Upper
98 100
100 62.2 49.5 74.3

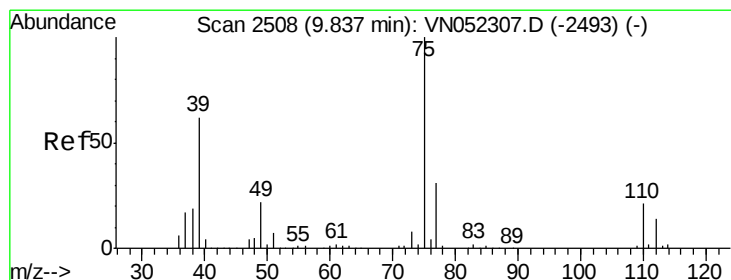
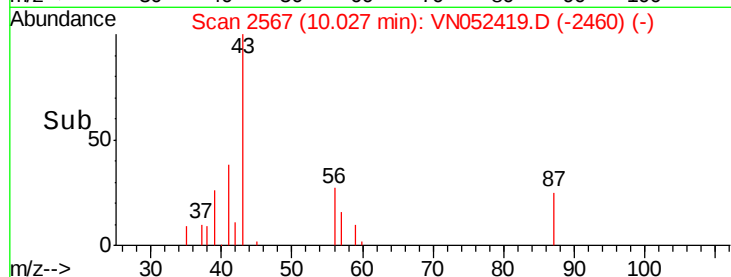
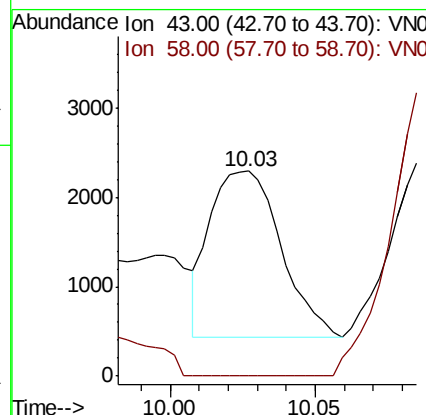
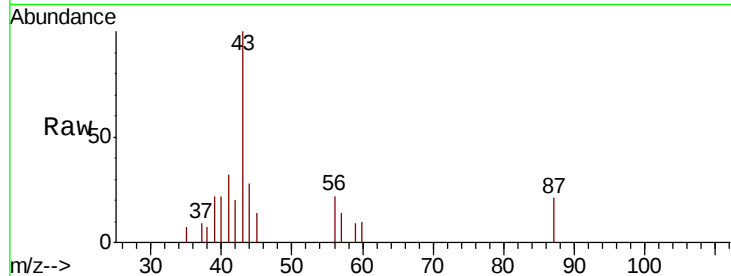




#51
4-Methyl-2-Pentanone
Concen: 0.871 ug/l
RT: 10.03 min Scan# 2567
Delta R.T. 0.04 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

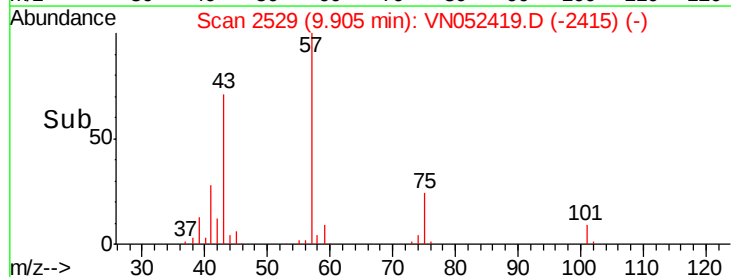
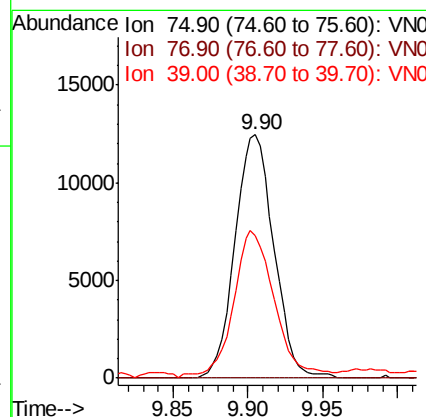
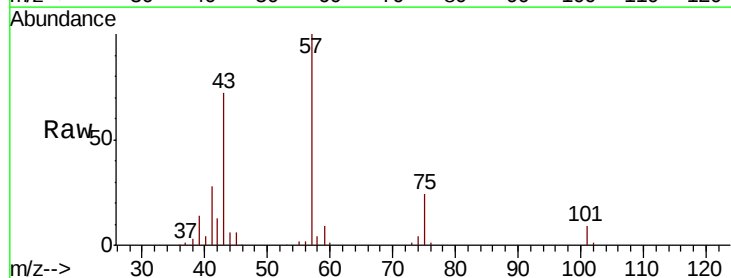
Instrument :
MSVOA_N
ClientSampled :

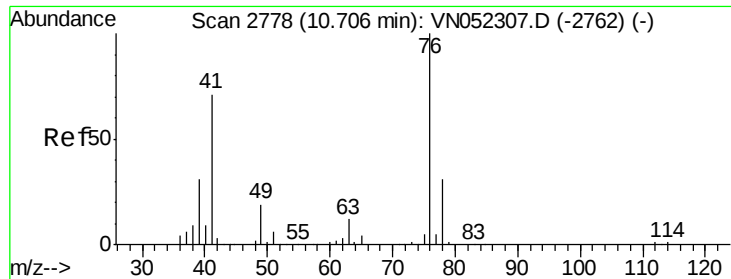
Tot Ion: 43 Resp: 3165
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#54
cis-1,3-Dichloropropene
Concen: 3.950 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.07 min
Lab File: VN052419.D
Acq: 20 Nov 2018 20:25

Tgt Ion: 75 Resp: 22544
Ion Ratio Lower Upper
75 100
77 0.0 24.6 36.8#
39 57.1 49.9 74.9

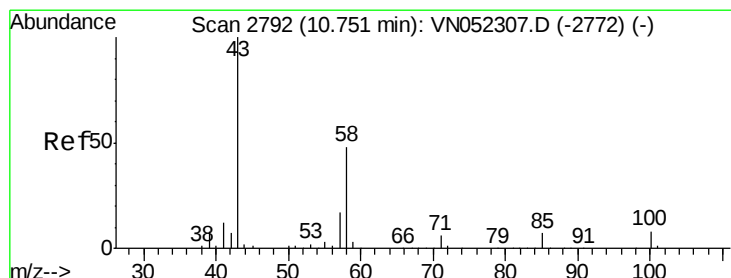
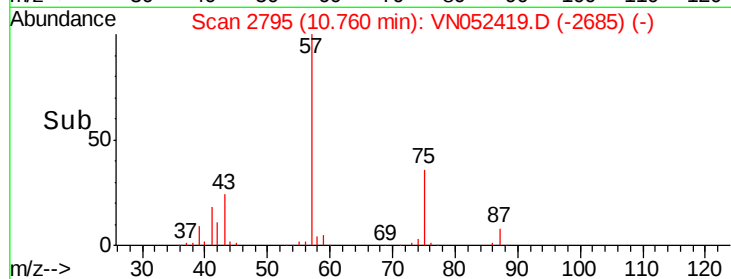
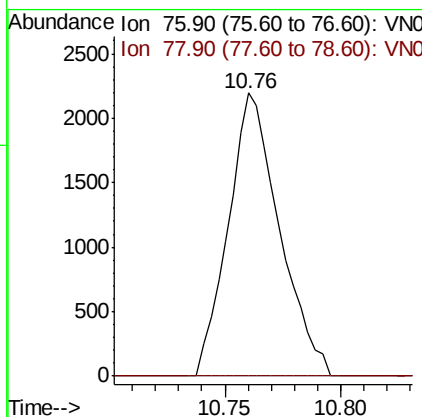
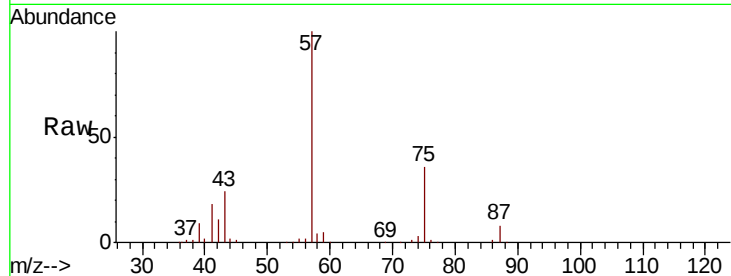




#57
 1,3-Dichloropropane
 Concen: 0.594 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

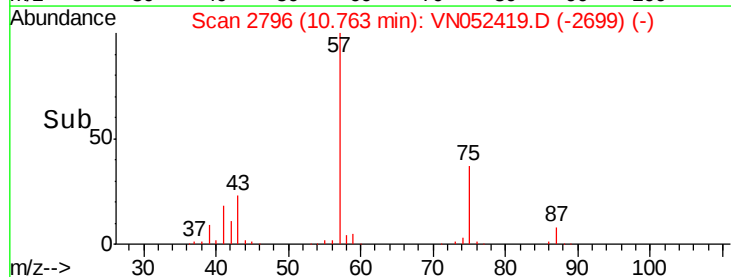
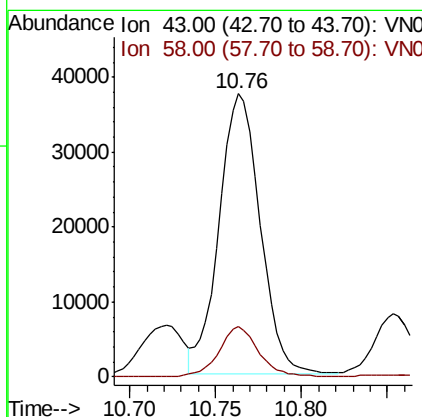
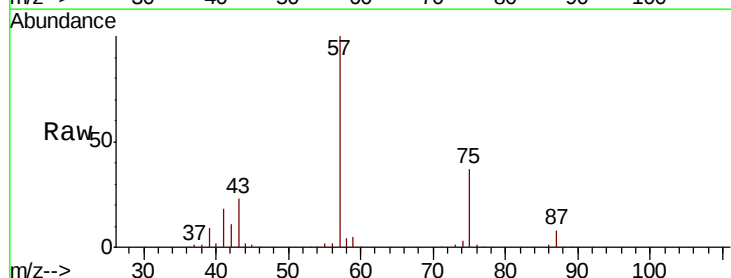
Instrument :
 MSVOA_N
 ClientSampleId :

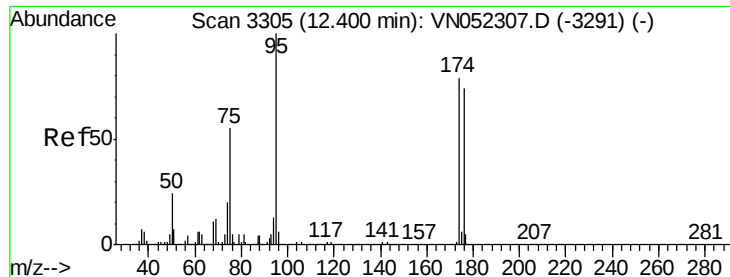
Tot Ion: 76 Resp: 3360
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 24.901 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052419.D
 Acq: 20 Nov 2018 20:25

Tgt Ion: 43 Resp: 62233
 Ion Ratio Lower Upper
 43 100
 58 17.3 23.5 70.6#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampleId :

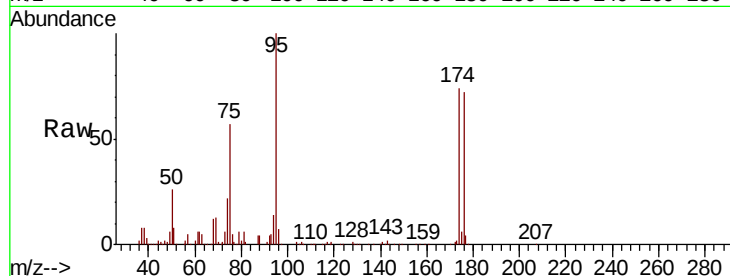
Tot Ion: 95 Resp: 187905

Ion Ratio Lower Upper

95 100

174 74.7 0.0 156.0

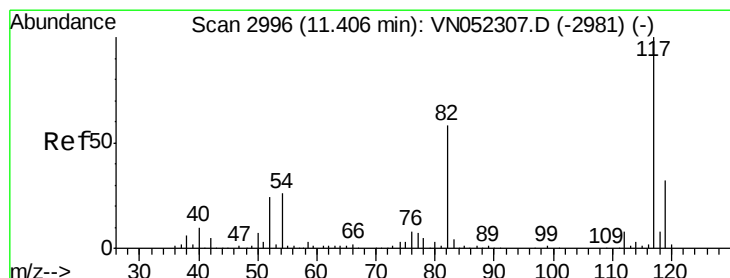
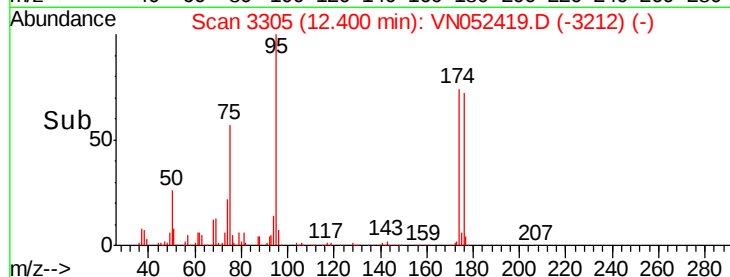
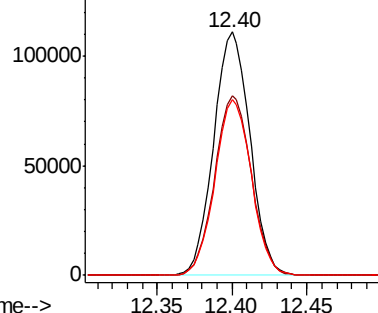
176 72.4 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052419.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN052419.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN052419.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

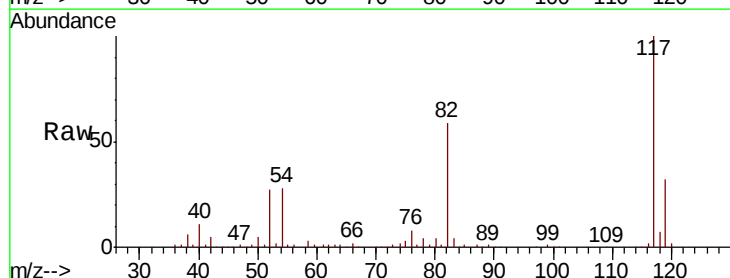
Tgt Ion: 117 Resp: 431859

Ion Ratio Lower Upper

117 100

82 59.2 46.5 69.7

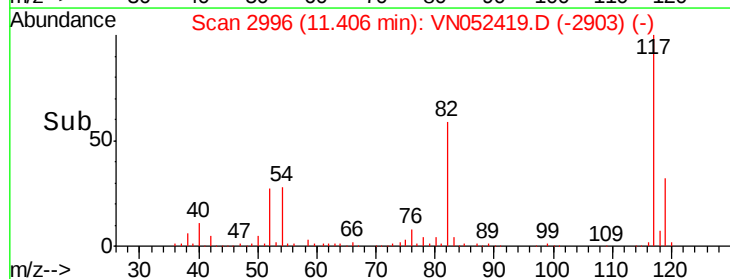
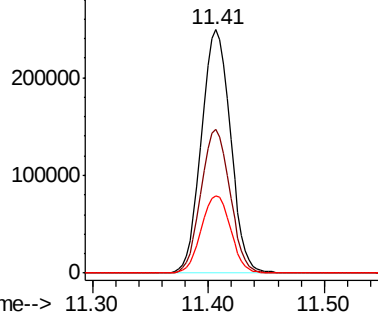
119 31.8 25.7 38.5

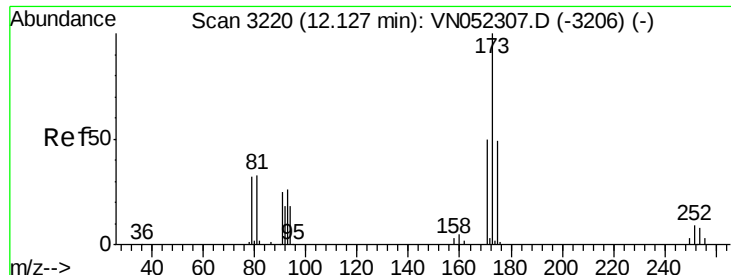


Abundance Ion 116.90 (116.60 to 117.60): VN052419.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052419.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052419.D (-2903) (-)





#71

Bromoform

Concen: 1.216 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

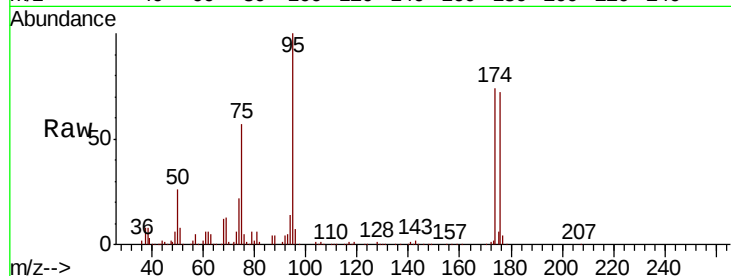
Tot Ion:173 Resp: 2235

Ion Ratio Lower Upper

173 100

175 452.0 25.0 75.0#

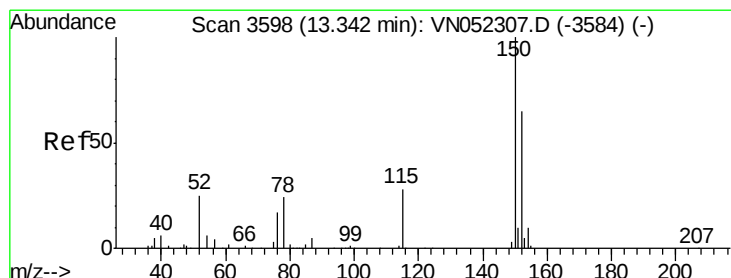
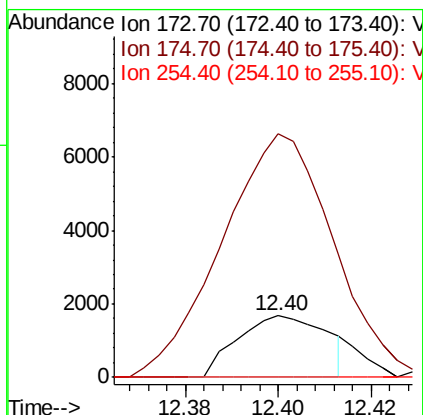
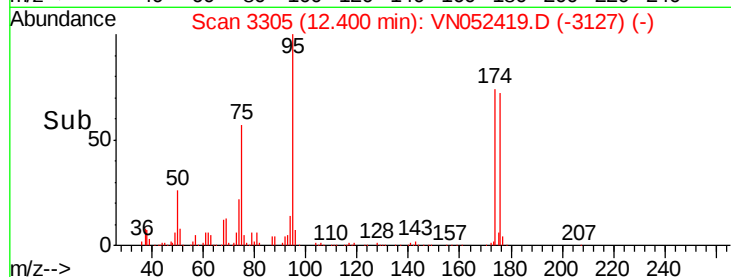
254 0.0 0.0 0.0



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: VN052419.D

Acq: 20 Nov 2018 20:25

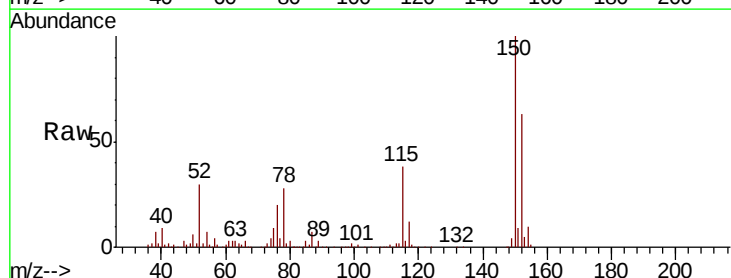
Tgt Ion:152 Resp: 153115

Ion Ratio Lower Upper

152 100

115 61.1 30.3 91.0

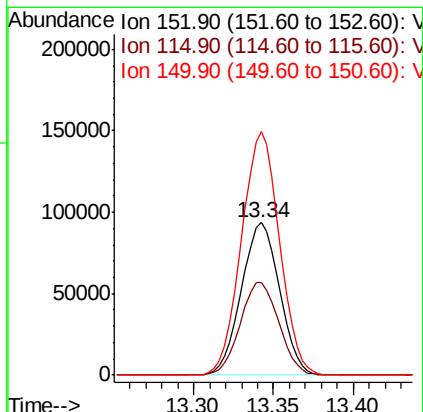
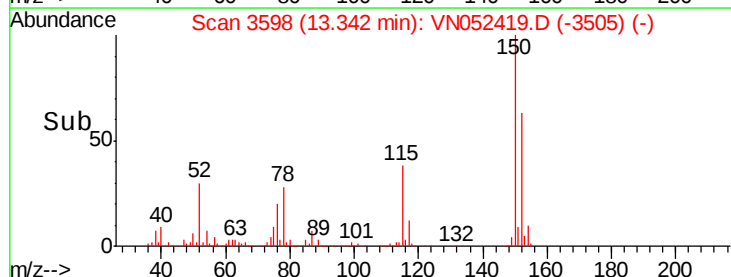
150 158.5 0.0 348.2

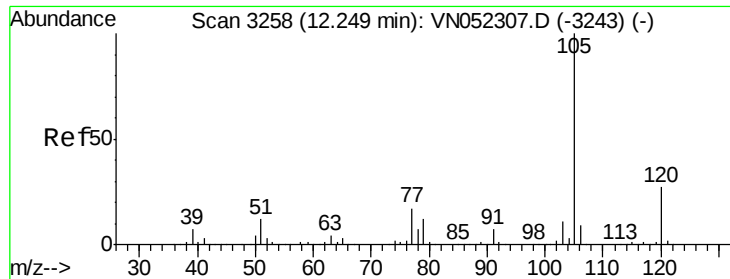


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.648 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

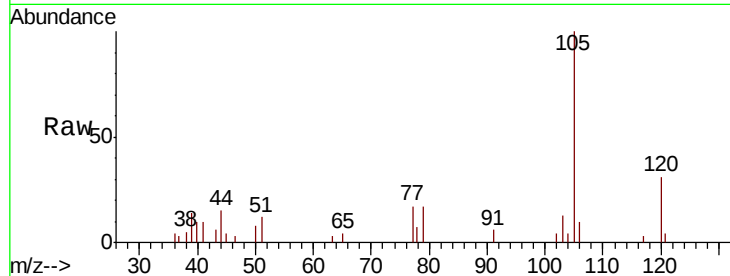
ClientSampleId :

Tot Ion:105 Resp: 7972

Ion Ratio Lower Upper

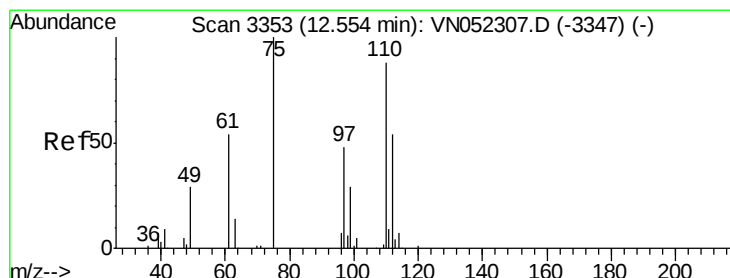
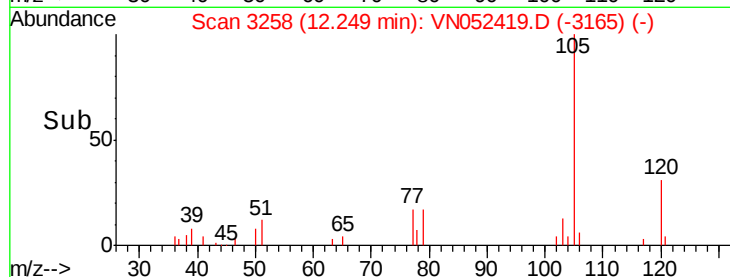
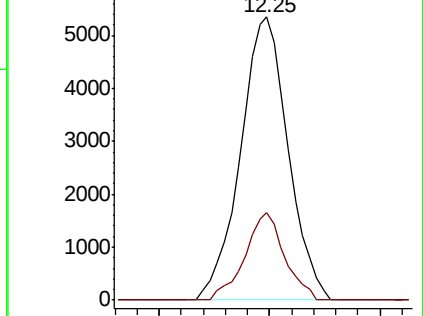
105 100

120 25.8 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

1,2,3-Trichloropropane

Concen: 41.609 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052419.D

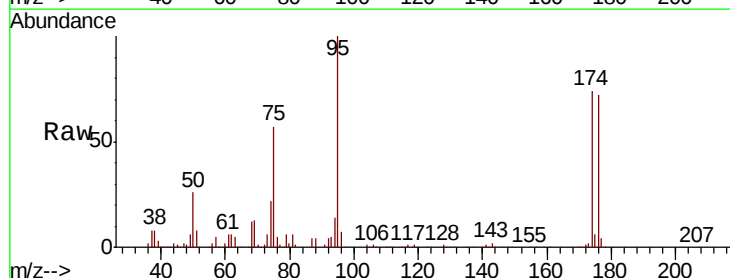
Acq: 20 Nov 2018 20:25

Tgt Ion: 75 Resp: 108103

Ion Ratio Lower Upper

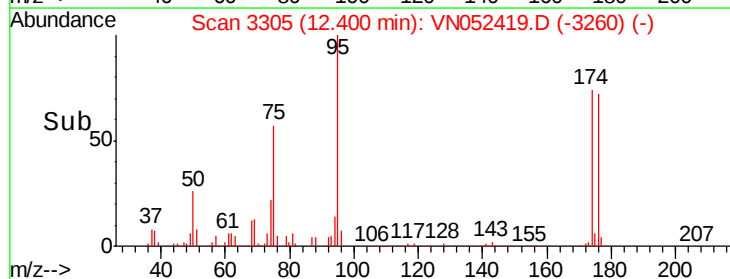
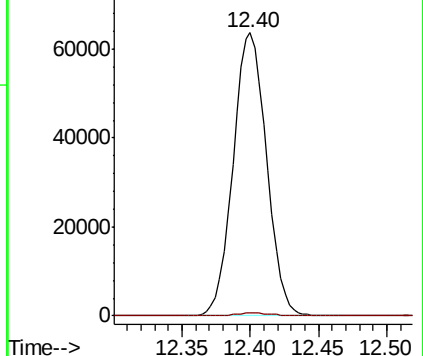
75 100

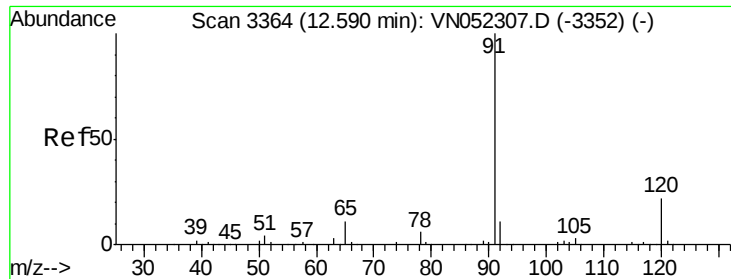
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#78

n-propylbenzene

Concen: 1.046 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

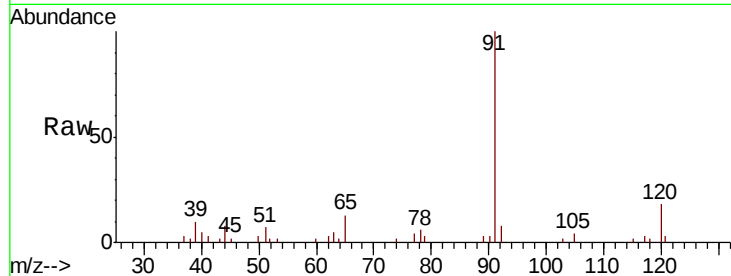
ClientSampled :

Tot Ion: 91 Resp: 15059

Ion Ratio Lower Upper

91 100

120 18.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3352) (-)

12.59

10000

8000

6000

4000

2000

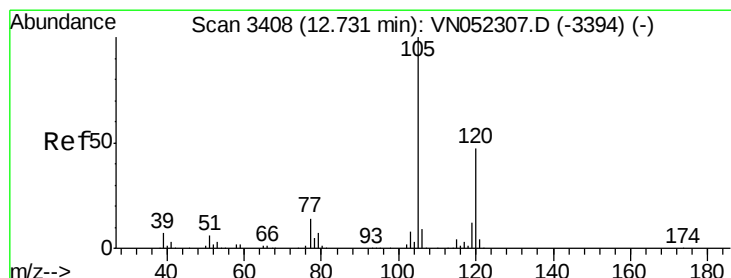
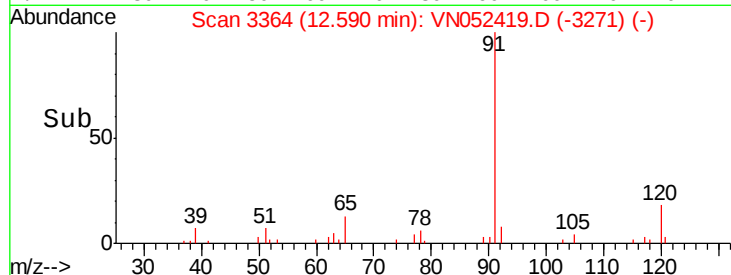
0

Time-->

12.55

12.60

12.65



#80

1,3,5-Trimethylbenzene

Concen: 0.462 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052419.D

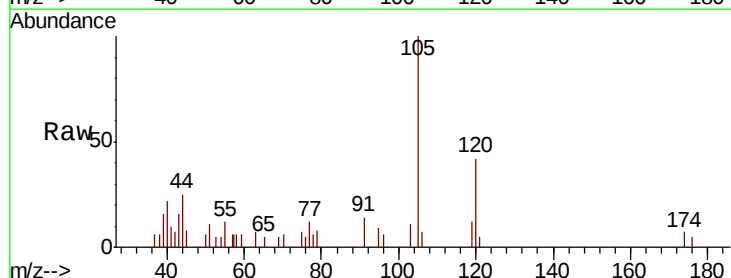
Acq: 20 Nov 2018 20:25

Tgt Ion: 105 Resp: 4524

Ion Ratio Lower Upper

105 100

120 46.1 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): VN052307.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052307.D (-3394) (-)

12.73

3000

2000

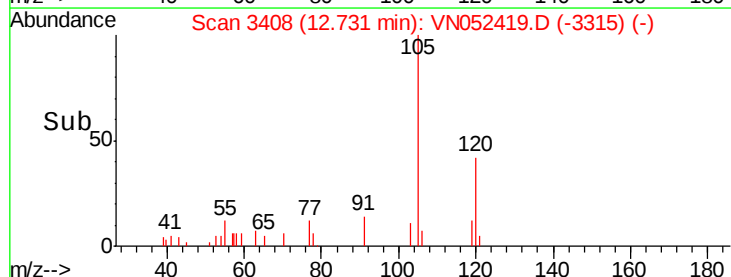
1000

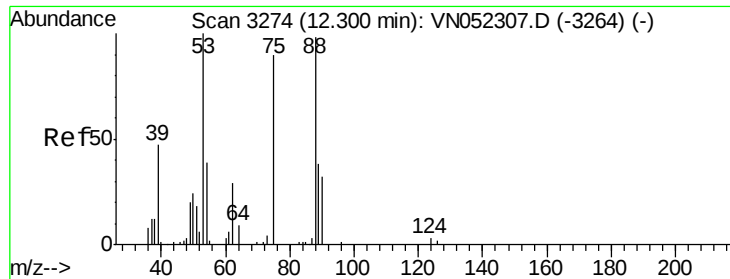
0

Time-->

12.70

12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 134.954 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

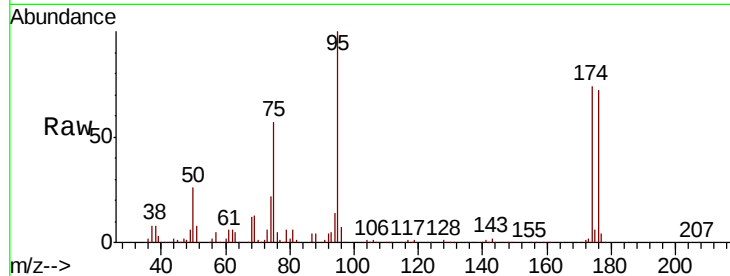
Tot Ion: 75 Resp: 108103

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

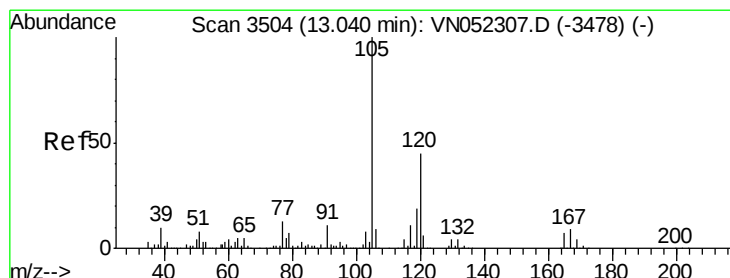
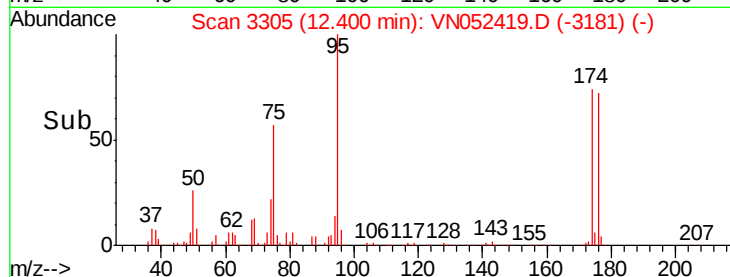
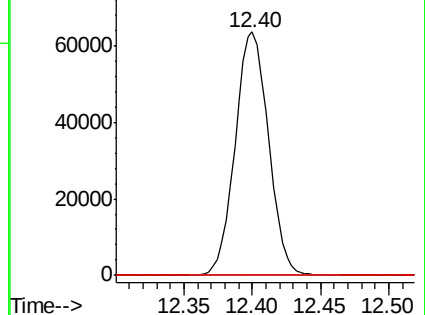
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 0.378 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN052419.D

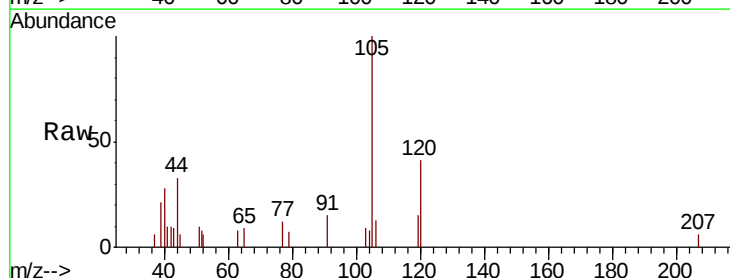
Acq: 20 Nov 2018 20:25

Tgt Ion:105 Resp: 3714

Ion Ratio Lower Upper

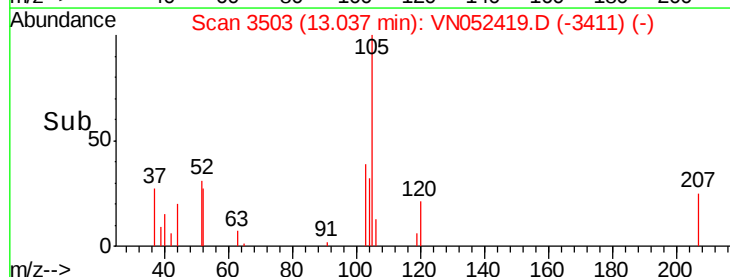
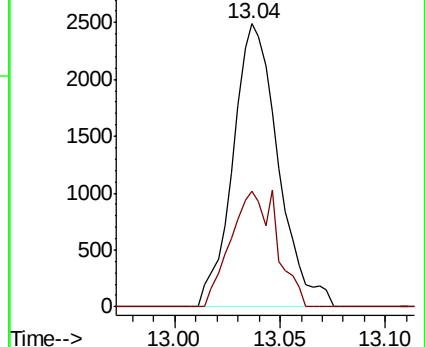
105 100

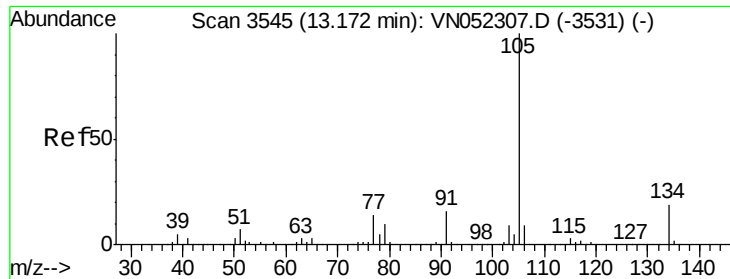
120 41.9 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.061 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

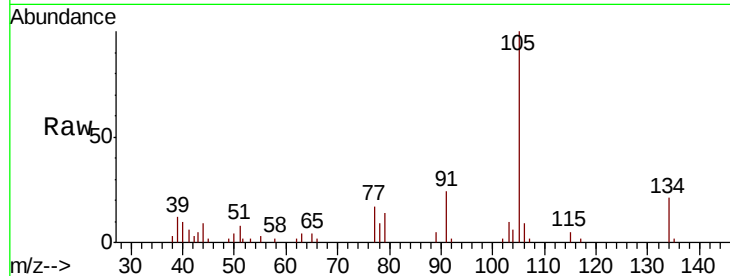
ClientSampled :

Tot Ion:105 Resp: 12488

Ion Ratio Lower Upper

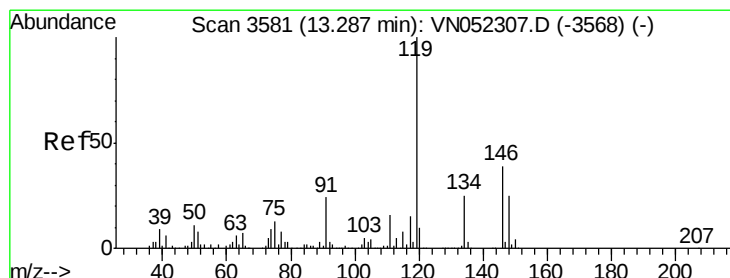
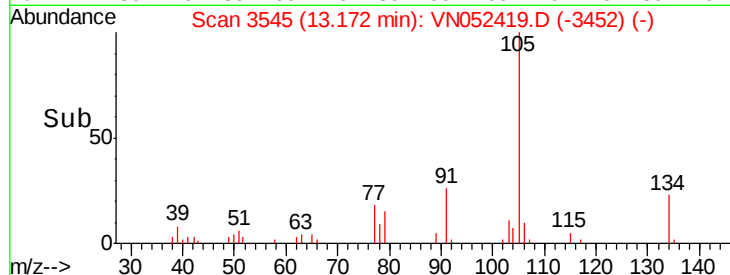
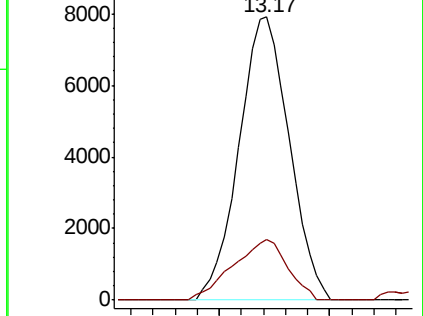
105 100

134 23.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.237 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

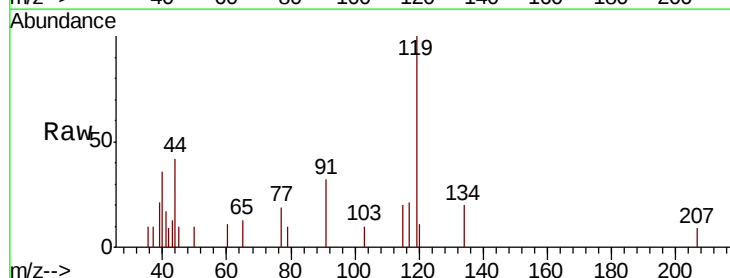
Tgt Ion:119 Resp: 2365

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

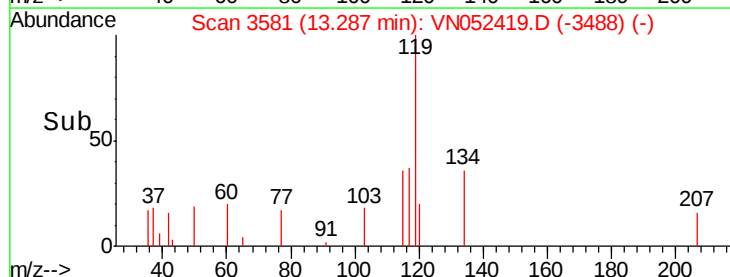
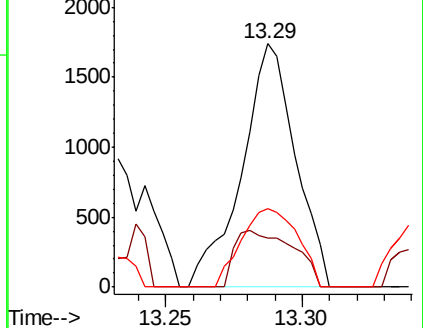
91 34.1 12.4 37.0

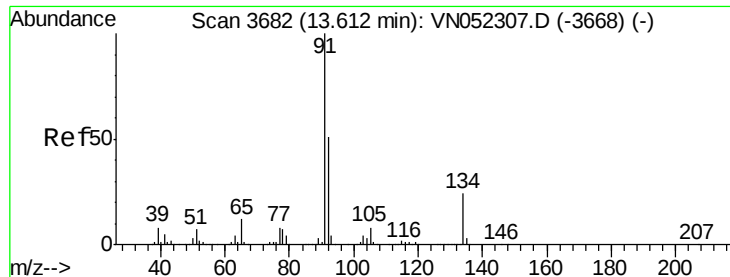


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 0.878 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampled :

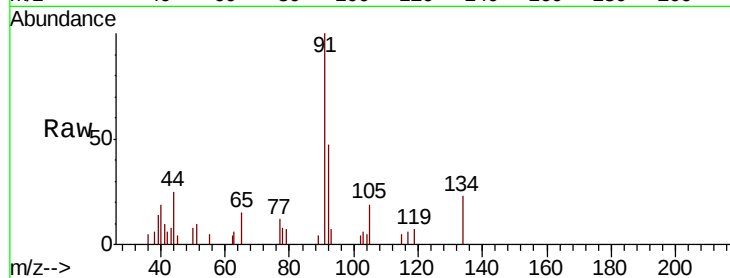
Tot Ion: 91 Resp: 7518

Ion Ratio Lower Upper

91 100

92 41.9 25.4 76.2

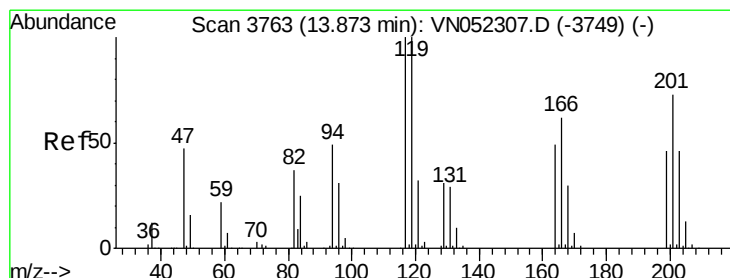
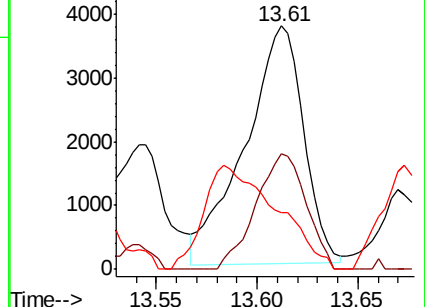
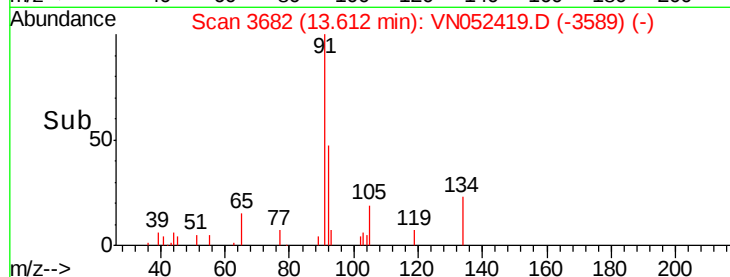
134 0.0 12.2 36.4#



Abundance Ion 91.00 (90.70 to 91.70): VN052307.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052307.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052307.D (-3668) (-)



#90

Hexachloroethane

Concen: 2.727 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN052419.D

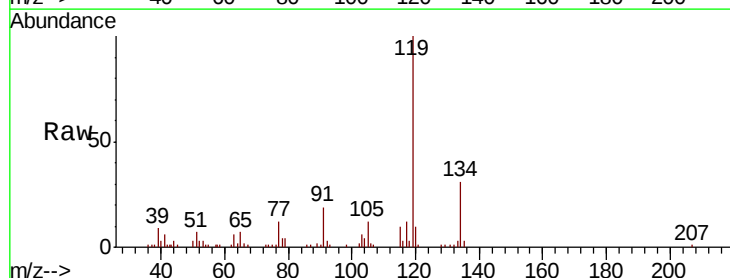
Acq: 20 Nov 2018 20:25

Tgt Ion: 117 Resp: 4817

Ion Ratio Lower Upper

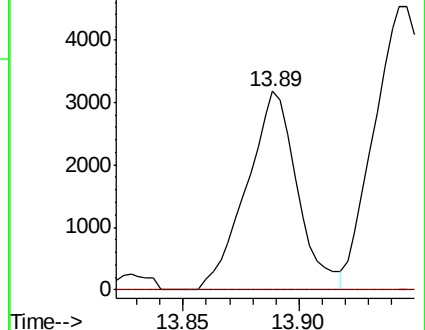
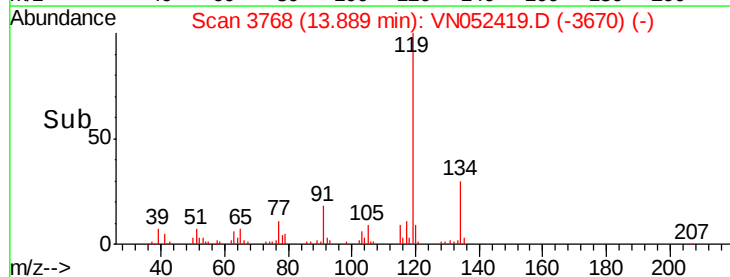
117 100

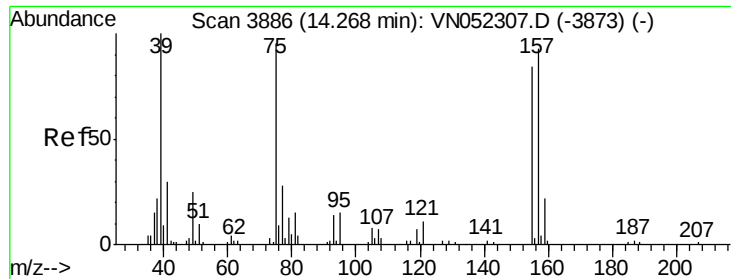
201 0.0 35.3 105.9#



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052307.D (-3749) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.620 ug/l

RT: 14.20 min Scan# 3865

Delta R.T. -0.07 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

Instrument :

MSVOA_N

ClientSampleId :

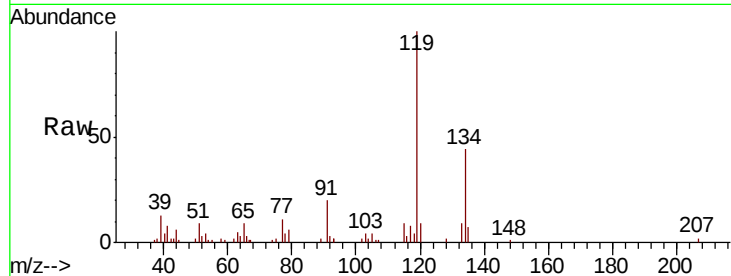
Tot Ion: 75 Resp: 272

Ion Ratio Lower Upper

75 100

155 0.0 42.4 127.3#

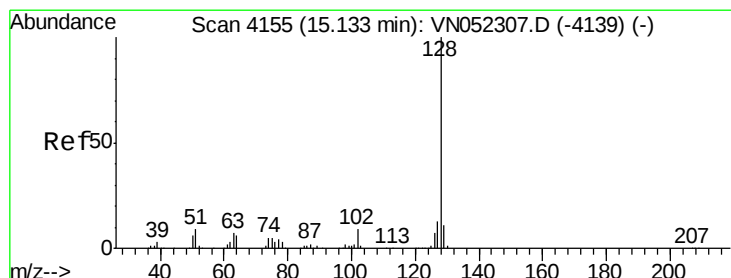
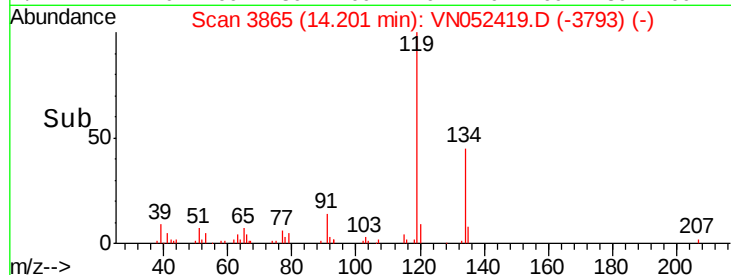
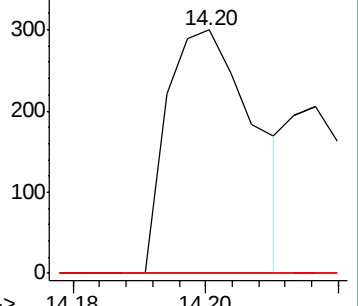
157 0.0 49.6 149.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN052307.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN052307.D (-3873) (-)



#95

Naphthalene

Concen: 4.194 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052419.D

Acq: 20 Nov 2018 20:25

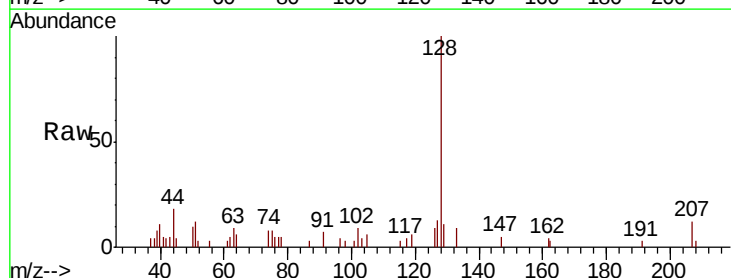
Tgt Ion: 128 Resp: 9087

Ion Ratio Lower Upper

128 100

127 18.3 10.4 15.6#

129 3.6 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN052307.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN052307.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN052307.D (-4139) (-)

