

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
 Data File : VN052883.D
 Acq On : 14 Dec 2018 12:35
 Operator : MD\SY
 Sample : J6401-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 15 02:48:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	229	30.00	ug/l	-0.02
28) 1,4-Difluorobenzene	8.91	114	722739	30.00	ug/l	0.32
57) Chlorobenzene-d5	11.48	117	584350	30.00	ug/l	0.07

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.45	65	267722	17157.73	ug/l	0.42
Spiked Amount	30.000	Range	50 - 169	Recovery	=	57192.43%#
60) 4-Bromofluorobenzene	12.44	95	245252	27.45	ug/l	0.04
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.50%
63) Toluene-d8	10.25	98	799685	29.51	ug/l	0.16
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.37%

Target Compounds

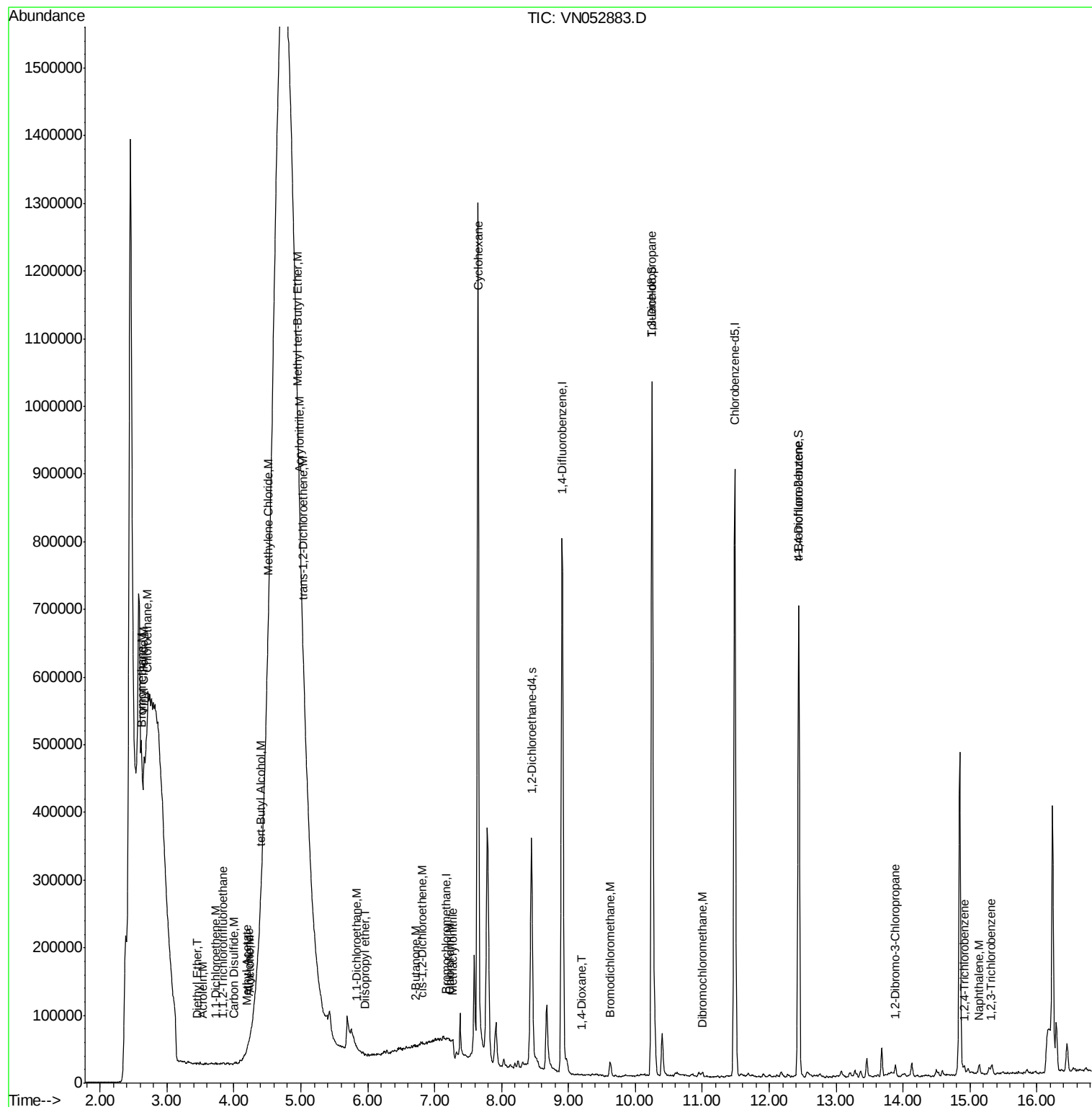
					Ovalue	
4) Vinyl Chloride	2.65	62	140	8.019	ug/l	# 53
5) Bromomethane	2.64	94	138	13.864	ug/l	98
6) Chloroethane	2.70	64	54	5.201	ug/l	92
8) Diethyl Ether	3.46	74	136	17.095	ug/l	25
9) 1,1,2-Trichlorotrifluoroet	3.83	101	66	4.832	ug/l	# 18
10) 1,1-Dichloroethene	3.74	96	108	8.410	ug/l	# 1
12) Methyl Acetate	4.18	43	1013	92.840	ug/l	99
13) Acrolein	3.54	56	379	295.701	ug/l	98
14) Acrylonitrile	5.00	53	217	46.676	ug/l	92
15) Acetone	4.23	58	95	78.903	ug/l	90
16) Carbon Disulfide	4.00	76	168	4.132	ug/l	# 75
17) Allyl chloride	4.21	41	908	40.544	ug/l	91
18) Methylene Chloride	4.50	84	66	4.439	ug/l	# 1
19) trans-1,2-Dichloroethene	5.04	96	105	7.598	ug/l	# 1
20) Diisopropyl ether	5.97	45	365	7.755	ug/l	# 47
21) 1,1-Dichloroethane	5.83	63	60	2.237	ug/l	# 85
22) cis-1,2-Dichloroethene	6.82	96	65	4.104	ug/l	# 1
23) tert-Butyl Alcohol	4.39	59	913	1320.134	ug/l	# 100
24) Methyl tert-Butyl Ether	4.97	73	116	3.443	ug/l	# 57
25) Chloroform	7.23	83	85	3.285	ug/l	# 16
26) Cyclohexane	7.64	56	1225	48.420	ug/l	# 9
30) 2-Butanone	6.71	43	672	0.228	ug/l	94
35) Methacrylonitrile	7.27	41	930	0.254	ug/l	70
41) Bromodichloromethane	9.62	83	16027	1.509	ug/l	95
45) 1,4-Dioxane	9.21	88	68	1.129	ug/l	# 1
52) 1,3-Dichloropropane	10.25	76	8293	0.684	ug/l	80
53) Dibromochloromethane	11.00	129	3032	0.404	ug/l	97
77) t-1,4-Dichloro-2-butene	12.44	75	115157	58.443	ug/l	# 11
88) 1,2-Dibromo-3-Chloropropan	13.89	75	471	0.463	ug/l	# 1
89) 1,2,4-Trichlorobenzene	14.91	180	3259	0.489	ug/l	87
91) Naphthalene	15.14	128	10091	0.750	ug/l	# 94
92) 1,2,3-Trichlorobenzene	15.32	180	3327	0.542	ug/l	96

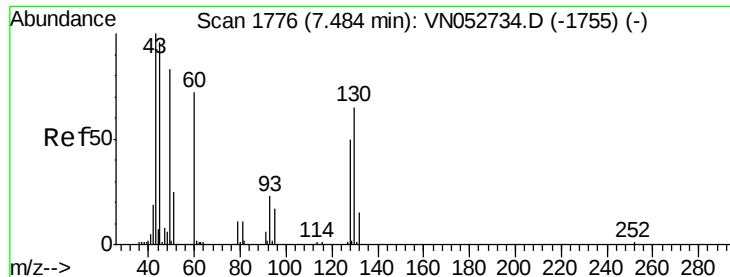
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121418\
Data File : VN052883.D
Acq On : 14 Dec 2018 12:35
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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 15 02:48:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

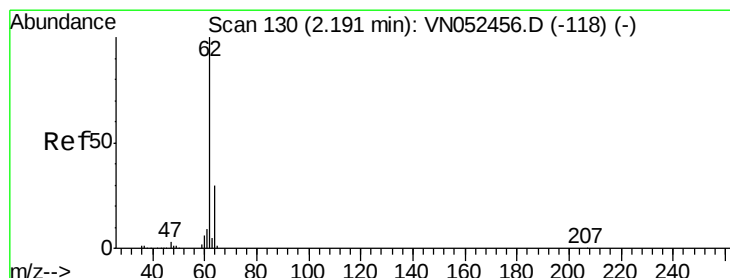
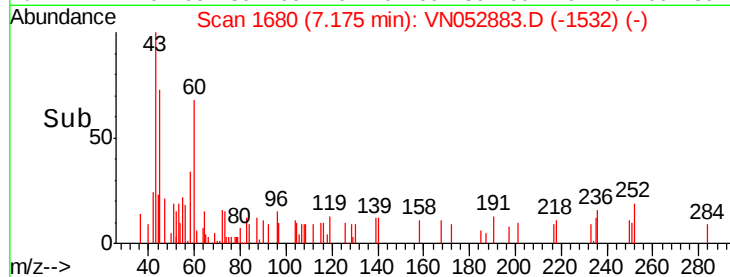
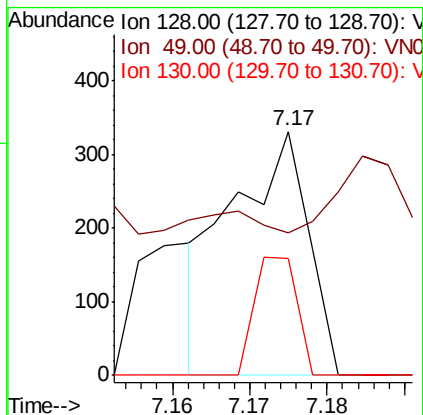
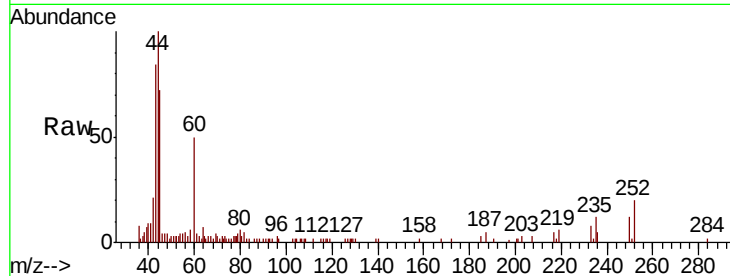
Delta R.T. -0.02 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	128	Resp:	229
Ion	Ratio	Lower	Upper
128	100		
49	37.1	0.0	431.8
130	27.1	0.0	317.0



#4

Vinyl Chloride

Concen: 8.019 ug/l

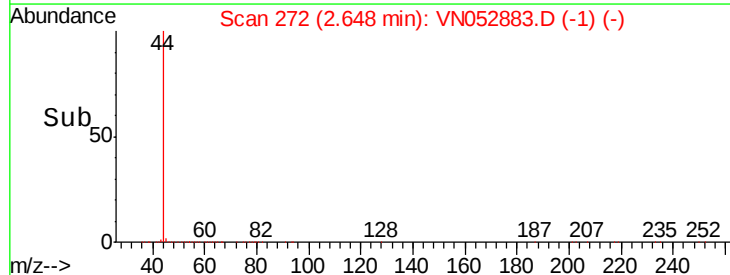
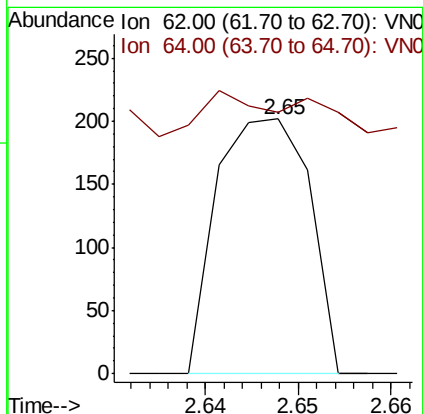
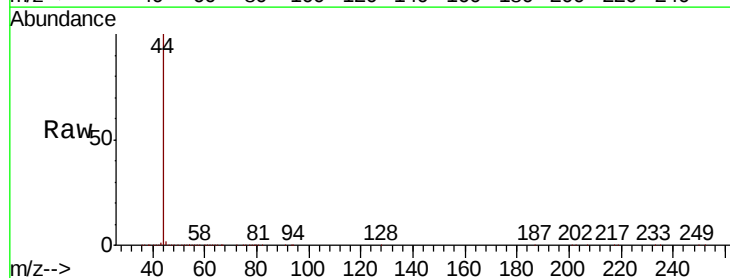
RT: 2.65 min Scan# 272

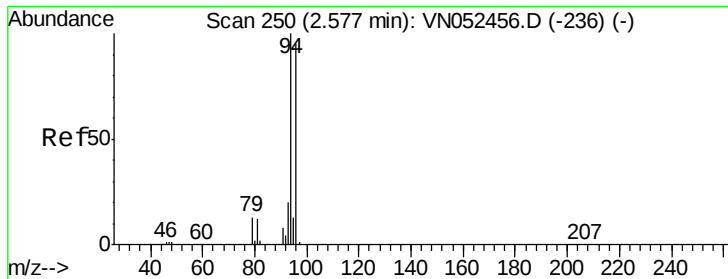
Delta R.T. 0.46 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Tgt Ion:	62	Resp:	140
Ion	Ratio	Lower	Upper
62	100		
64	5.0	24.2	36.4#





#5

Bromomethane

Concen: 13.864 ug/l

RT: 2.64 min Scan# 269

Delta R.T. 0.06 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

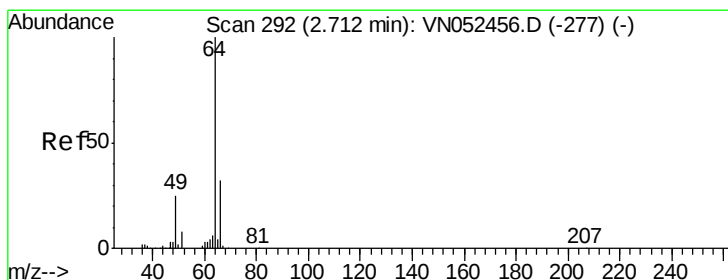
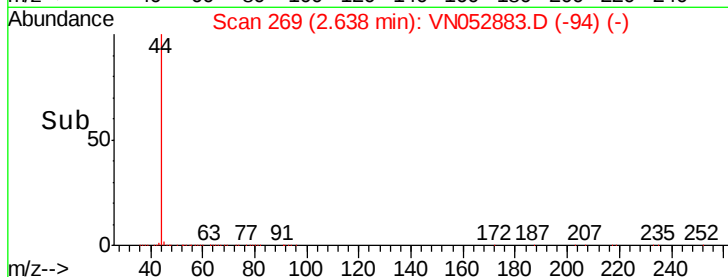
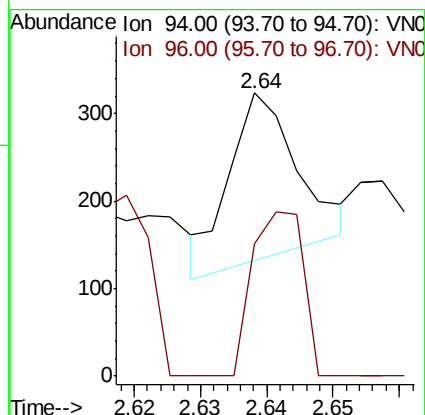
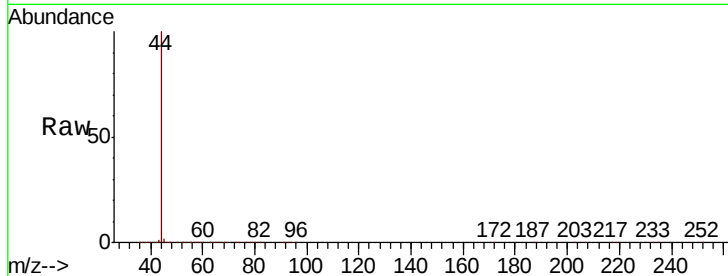
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 138

Ion Ratio Lower Upper

94 100

96 93.2 76.2 114.2



#6

Chloroethane

Concen: 5.201 ug/l

RT: 2.70 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN052883.D

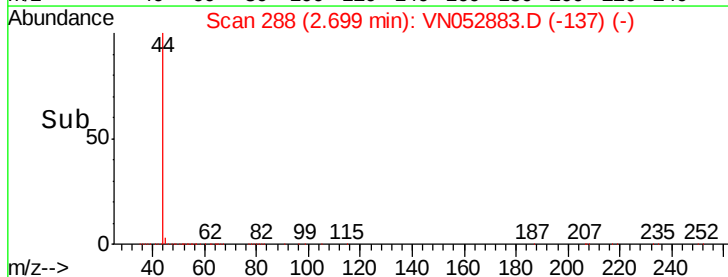
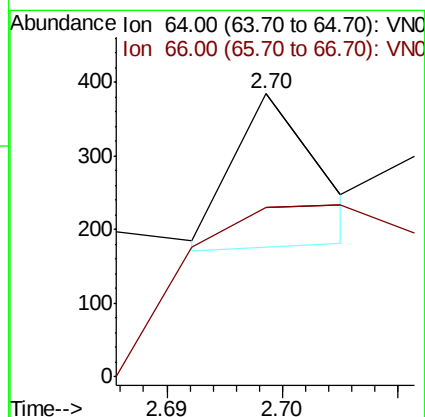
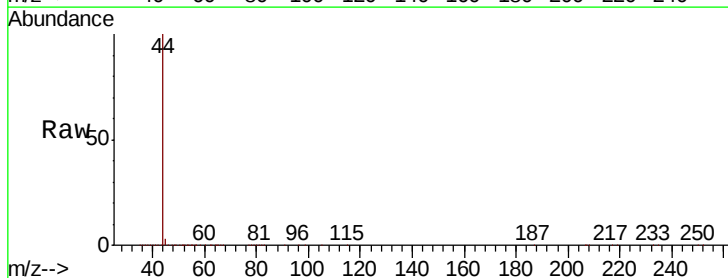
Acq: 14 Dec 2018 12:35

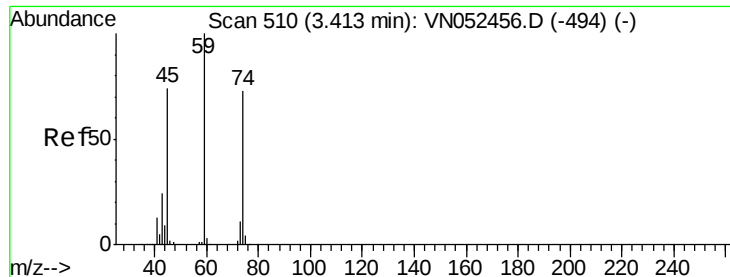
Tgt Ion: 64 Resp: 54

Ion Ratio Lower Upper

64 100

66 27.5 25.6 38.4





#8

Diethyl Ether

Concen: 17.095 ug/l

RT: 3.46 min Scan# 525

Delta R.T. 0.05 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

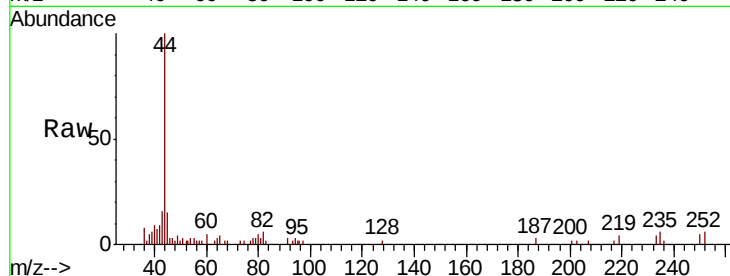
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 74 Resp: 136

Ion Ratio Lower Upper

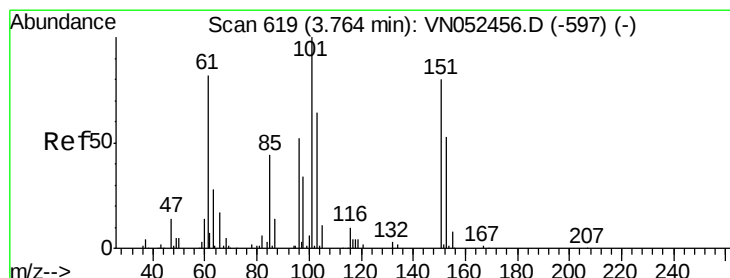
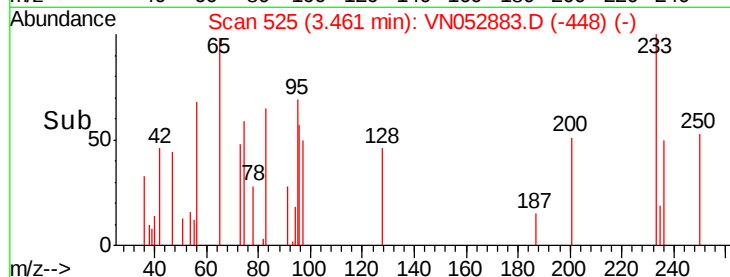
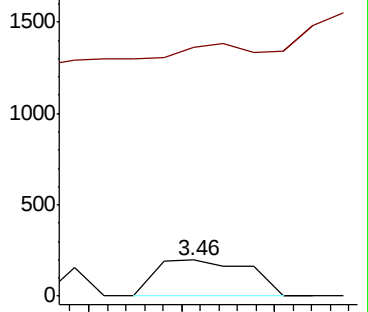
74 100

45 26.5 20.6 185.8



Abundance Ion 74.00 (73.70 to 74.70): VN052883.D (-448) (-)

Ion 45.00 (44.70 to 45.70): VN052883.D (-448) (-)



#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.832 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.07 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

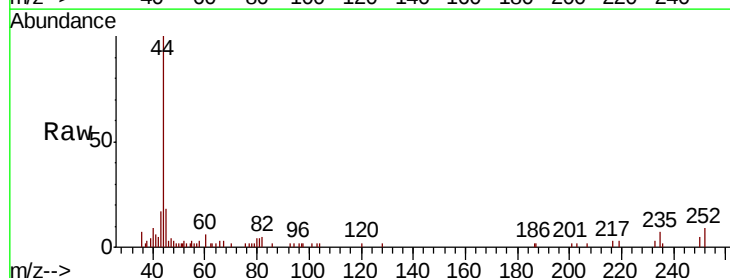
Tgt Ion: 101 Resp: 66

Ion Ratio Lower Upper

101 100

85 0.0 0.0 82.6

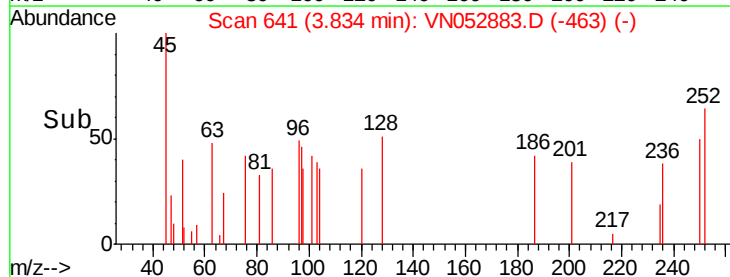
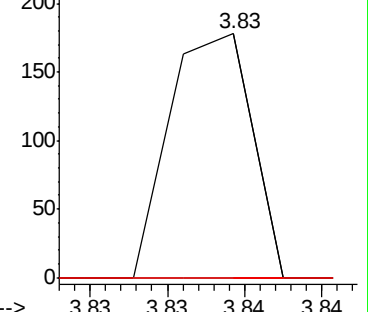
151 0.0 0.0 158.4

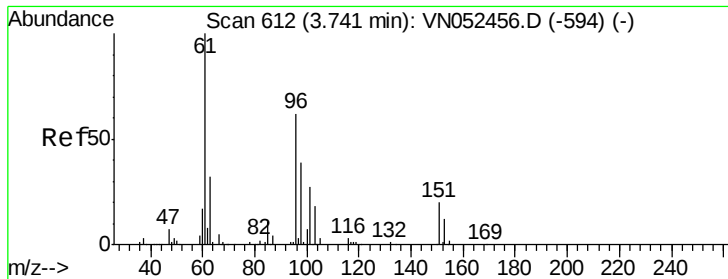


Abundance Ion 101.00 (100.70 to 101.70): VN052883.D (-463) (-)

Ion 85.00 (84.70 to 85.70): VN052883.D (-463) (-)

Ion 151.00 (150.70 to 151.70): VN052883.D (-463) (-)





#10

1,1-Dichloroethene

Concen: 8.410 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

ClientSampled :

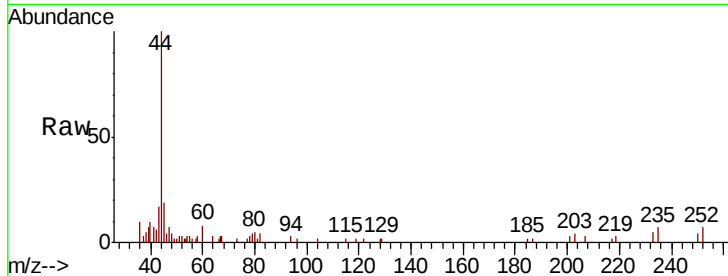
Tot Ion: 96 Resp: 108

Ion Ratio Lower Upper

96 100

61 0.0 129.4 194.2#

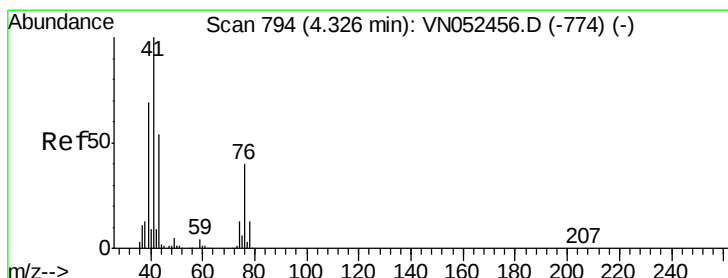
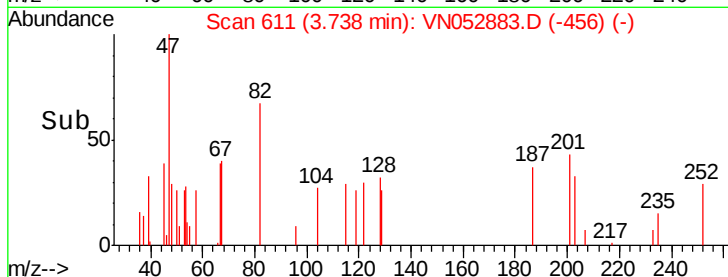
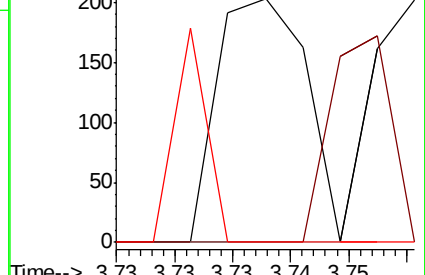
98 0.0 50.4 75.6#



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#12

Methyl Acetate

Concen: 92.840 ug/l

RT: 4.18 min Scan# 749

Delta R.T. -0.14 min

Lab File: VN052883.D

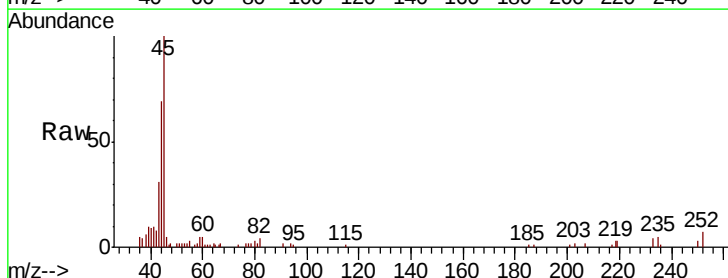
Acq: 14 Dec 2018 12:35

Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

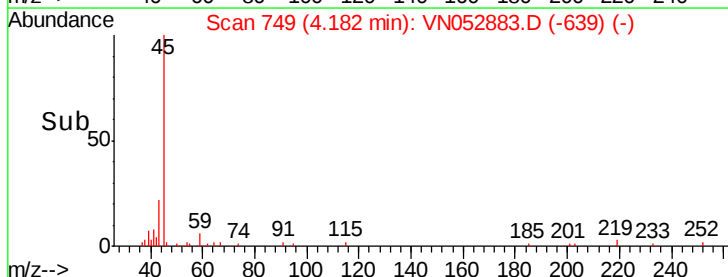
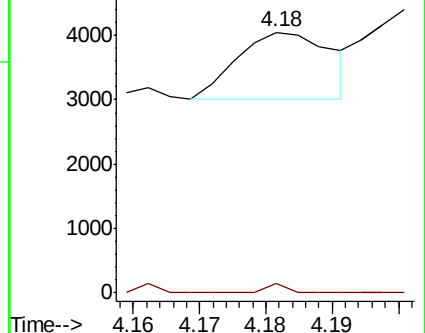
43 100

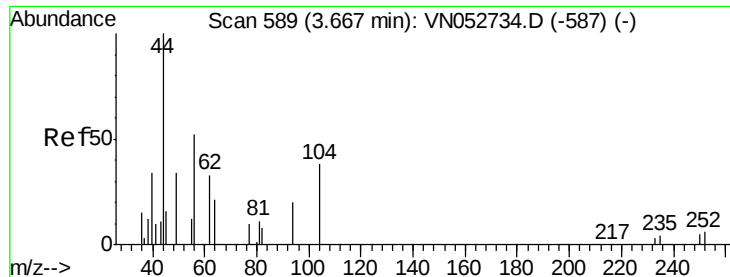
74 23.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#13

Acrolein

Concen: 295.701 ug/l

RT: 3.54 min Scan# 549

Delta R.T. -0.07 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

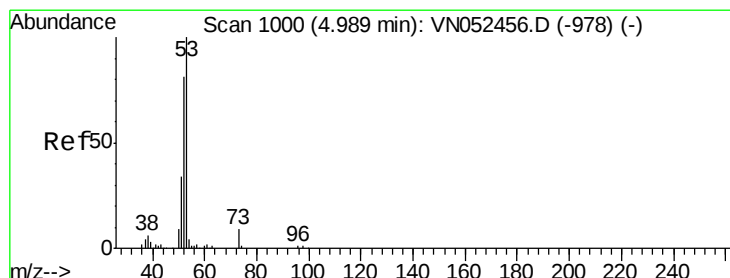
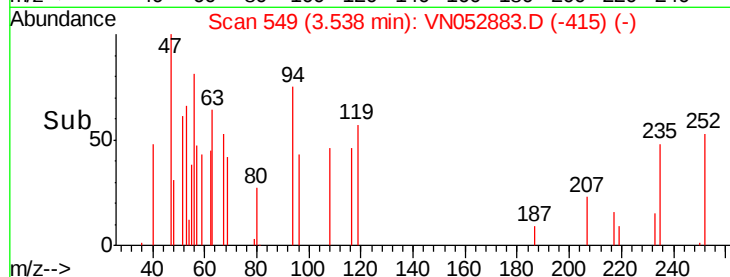
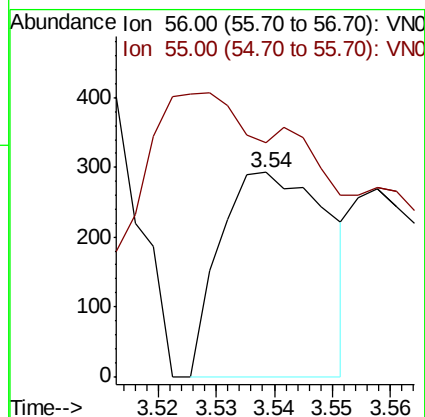
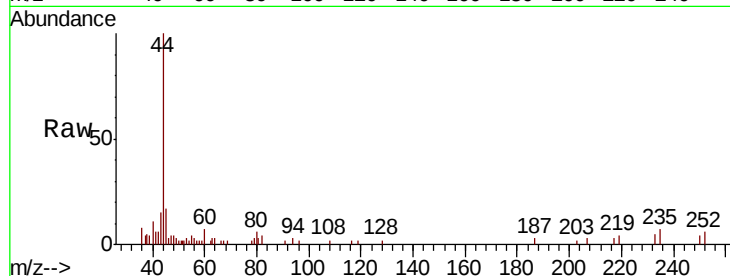
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 379

Ion Ratio Lower Upper

56 100

55 72.8 56.7 85.1



#14

Acrylonitrile

Concen: 46.676 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

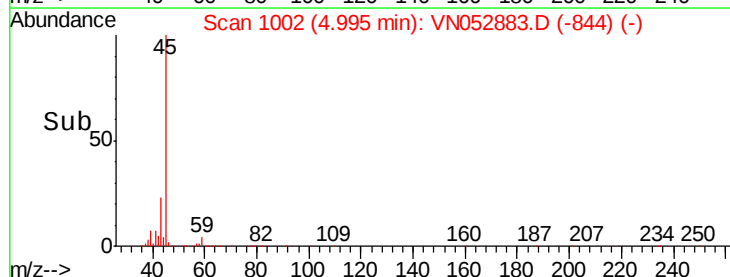
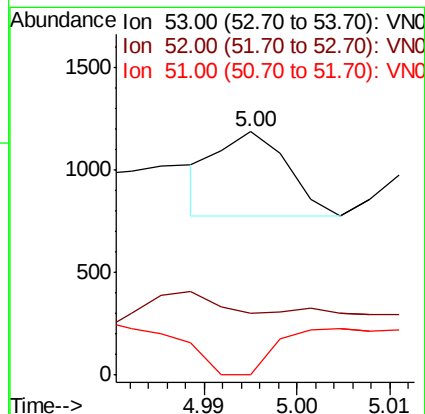
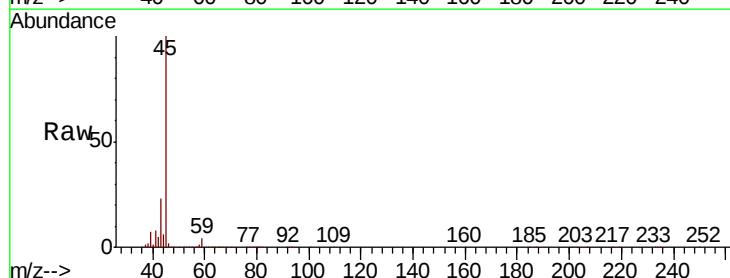
Tgt Ion: 53 Resp: 217

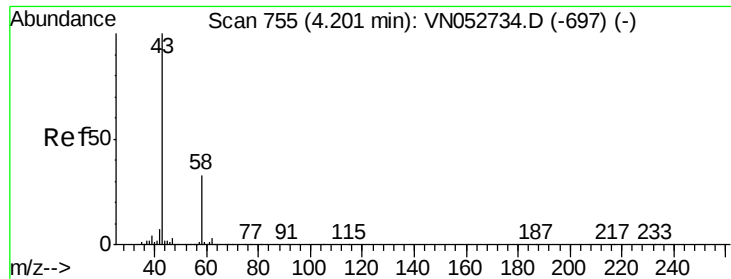
Ion Ratio Lower Upper

53 100

52 72.8 39.9 119.7

51 39.6 17.6 52.9





#15

Acetone

Concen: 78.903 ug/l

RT: 4.23 min Scan# 764

Delta R.T. 0.41 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

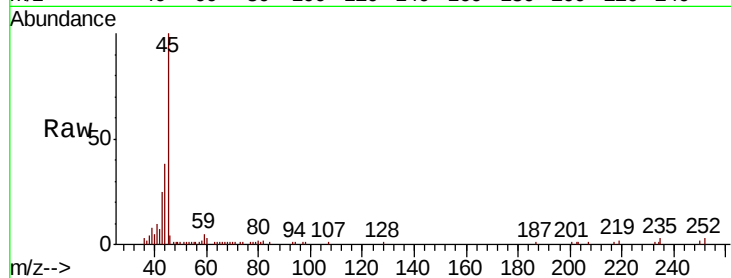
ClientSampleId :

Tot Ion: 58 Resp: 95

Ion Ratio Lower Upper

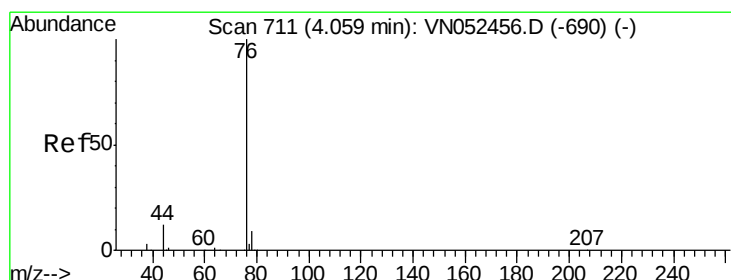
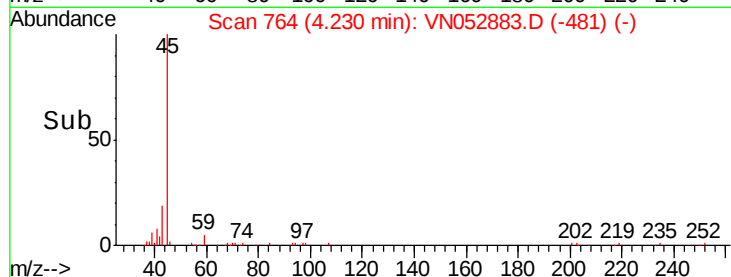
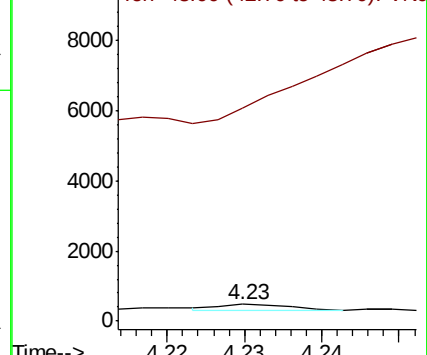
58 100

43 284.6 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.132 ug/l

RT: 4.00 min Scan# 691

Delta R.T. -0.06 min

Lab File: VN052883.D

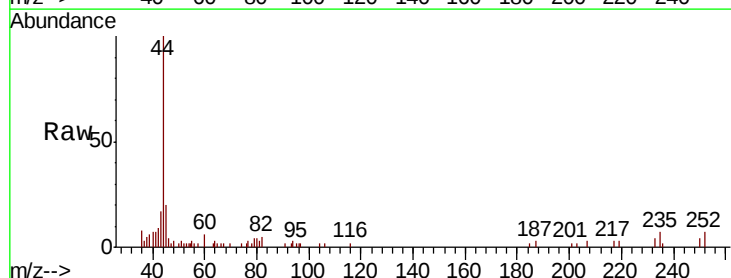
Acq: 14 Dec 2018 12:35

Tgt Ion: 76 Resp: 168

Ion Ratio Lower Upper

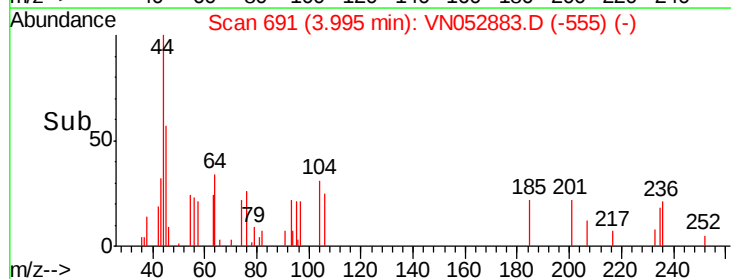
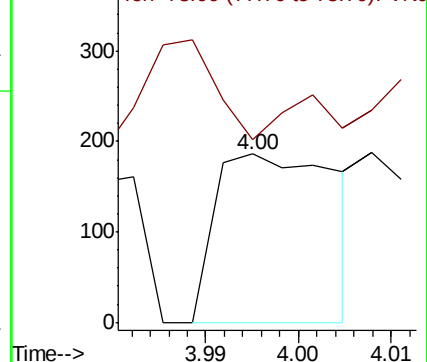
76 100

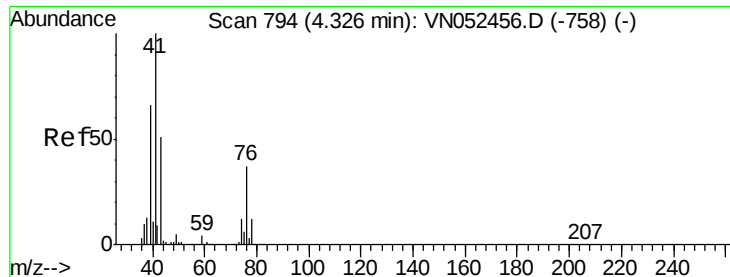
78 0.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

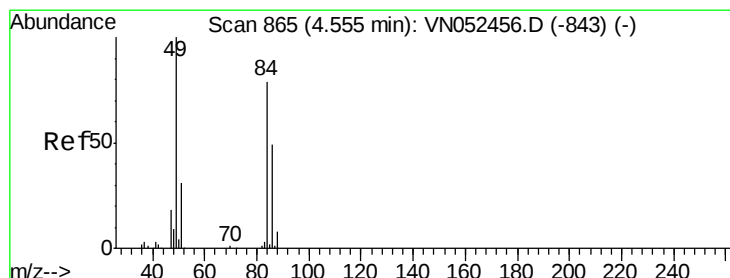
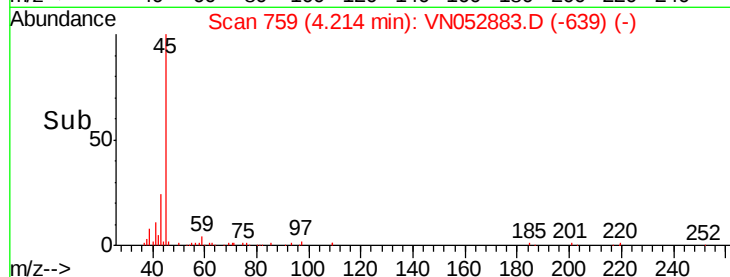
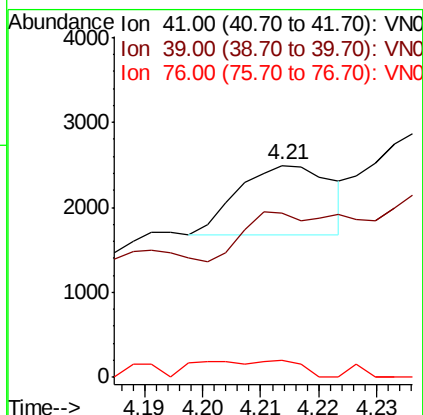
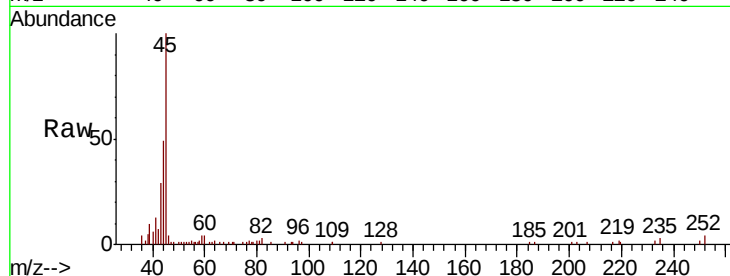




#17
Allvl chloride
Concen: 40.544 ug/l
RT: 4.21 min Scan# 759
Delta R.T. -0.11 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

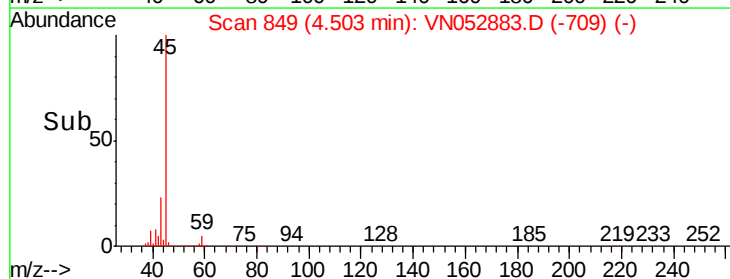
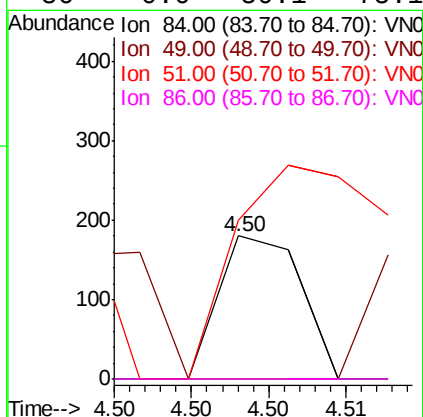
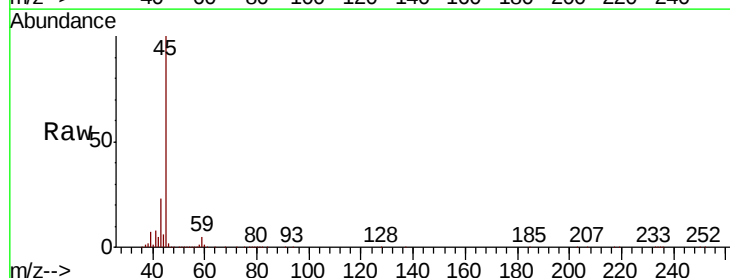
Instrument :
MSVOA_N
ClientSampled :

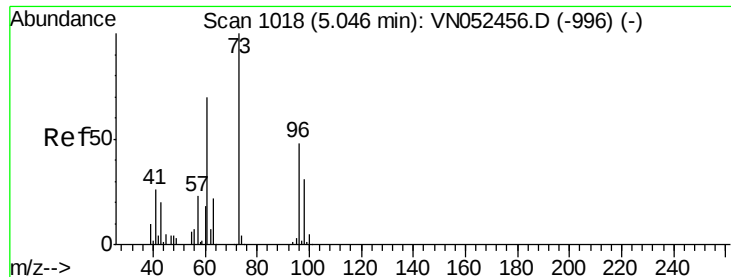
Tot Ion: 41 Resp: 908
Ion Ratio Lower Upper
41 100
39 66.6 32.8 98.3
76 24.5 18.6 55.8



#18
Methylene Chloride
Concen: 4.439 ug/l
RT: 4.50 min Scan# 849
Delta R.T. -0.05 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 84 Resp: 66
Ion Ratio Lower Upper
84 100
49 0.0 101.4 152.0#
51 111.1 31.7 47.5#
86 0.0 50.1 75.1#



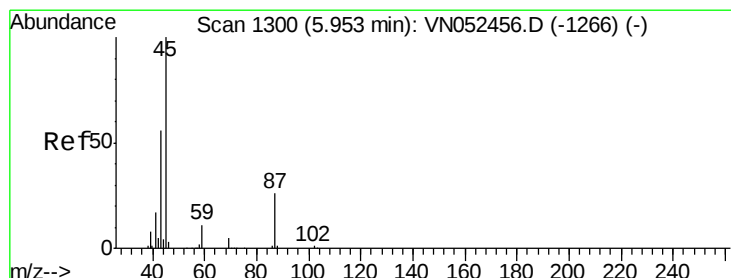
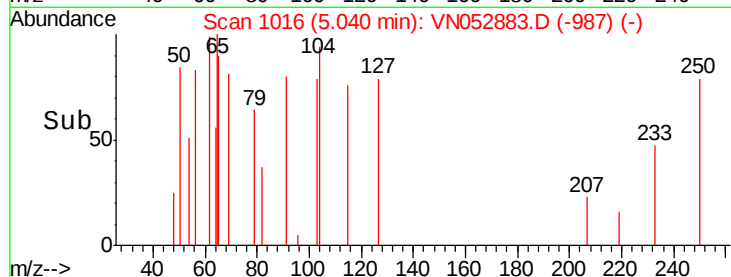
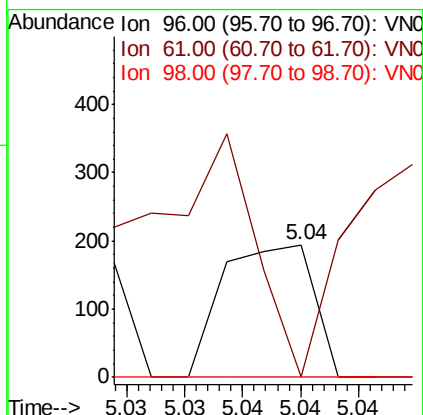
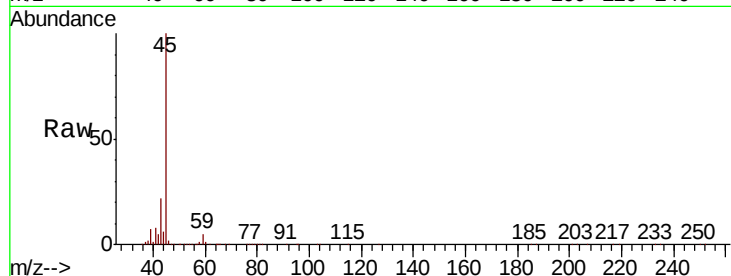


#19

trans-1,2-Dichloroethene
Concen: 7.598 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Instrument :
MSVOA_N
ClientSampled :

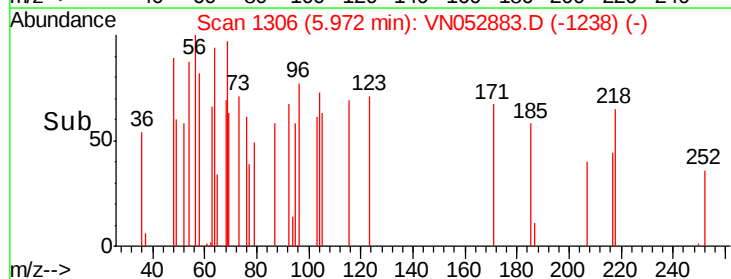
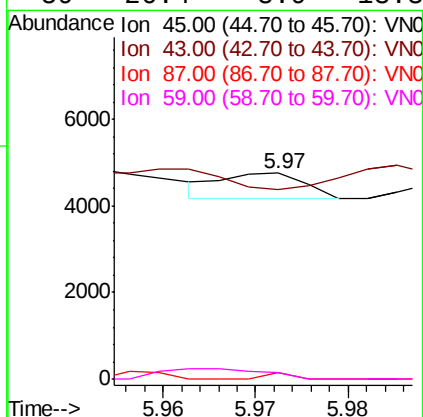
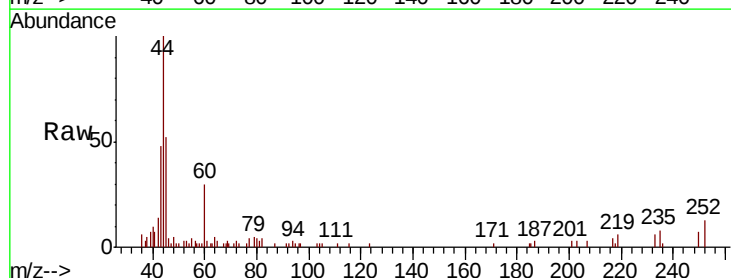
Tot Ion: 96 Resp: 105
Ion Ratio Lower Upper
96 100
61 0.0 118.2 177.4#
98 0.0 51.4 77.2#

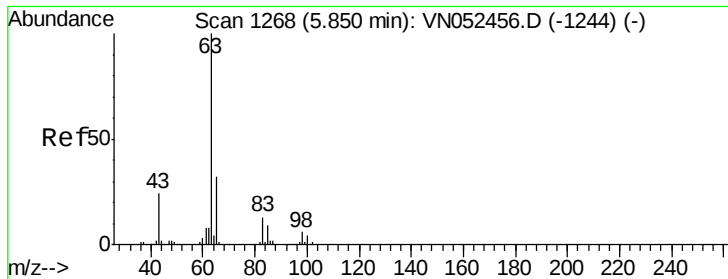


#20

Diisopropyl ether
Concen: 7.755 ug/l
RT: 5.97 min Scan# 1306
Delta R.T. 0.02 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 45 Resp: 365
Ion Ratio Lower Upper
45 100
43 0.0 47.8 71.8#
87 26.4 21.3 31.9
59 26.4 8.9 13.3#





#21

1,1-Dichloroethane

Concen: 2.237 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

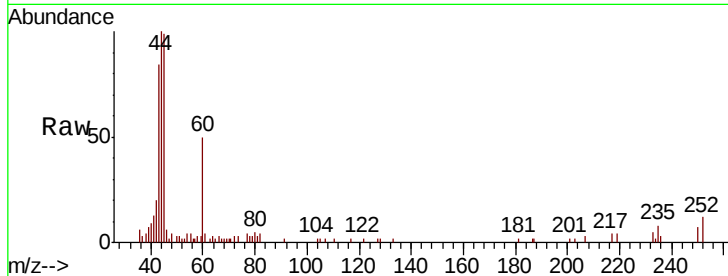
Tot Ion: 63 Resp: 60

Ion Ratio Lower Upper

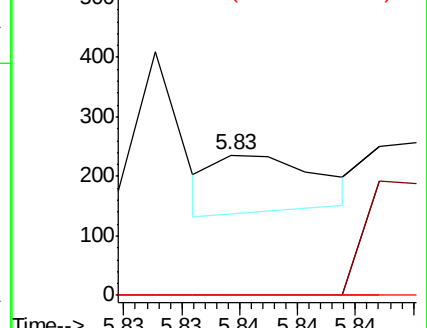
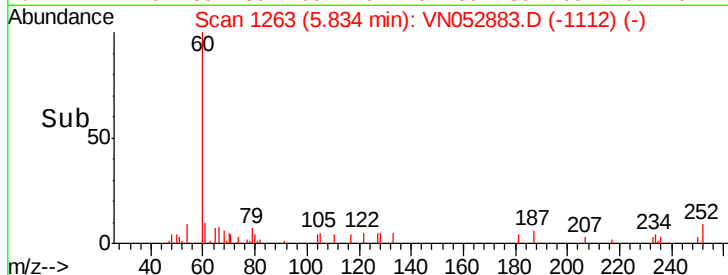
63 100

98 0.0 3.0 9.2#

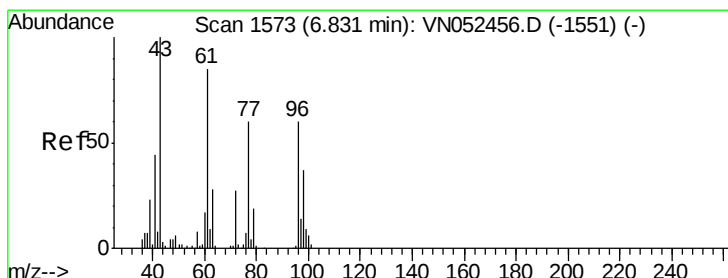
100 0.0 1.8 5.5#



Abundance Ion 63.00 (62.70 to 63.70): VN052883.D (-1112) (-)



Time-->



#22

cis-1,2-Dichloroethene

Concen: 4.104 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

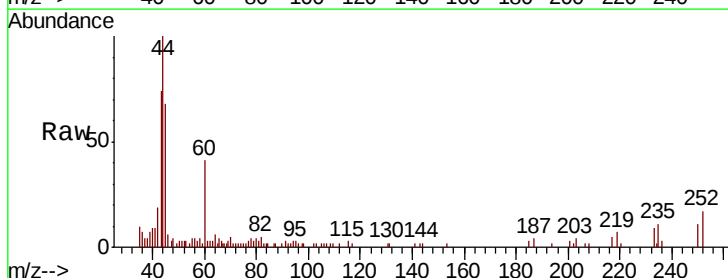
Tgt Ion: 96 Resp: 65

Ion Ratio Lower Upper

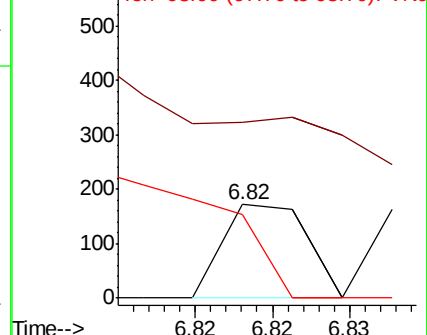
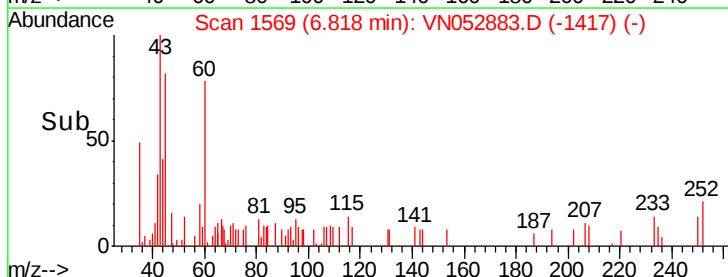
96 100

61 192.3 116.7 175.1#

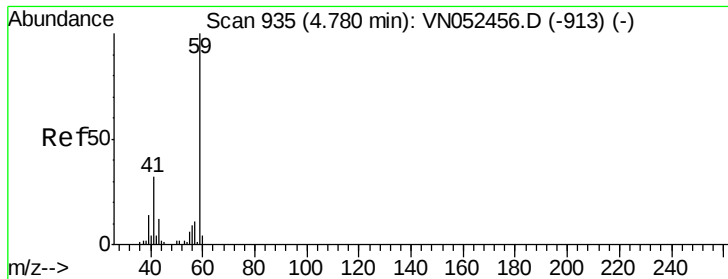
98 372.3 50.8 76.2#



Abundance Ion 96.00 (95.70 to 96.70): VN052883.D (-1417) (-)



Time-->

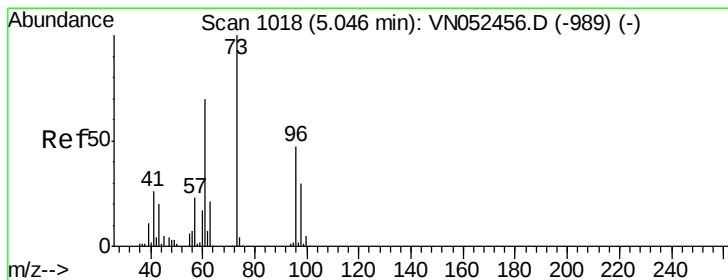
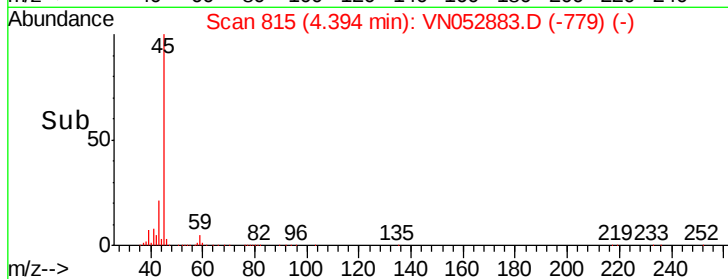
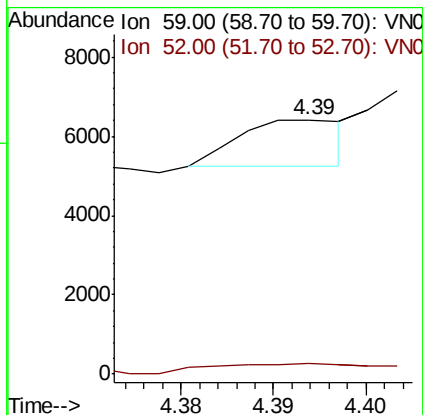
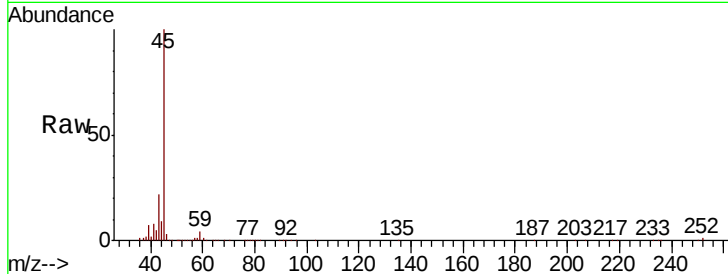


#23

tert-Butyl Alcohol
Concen: 1320.134 ug/l
RT: 4.39 min Scan# 815
Delta R.T. -0.39 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Instrument :
MSVOA_N
ClientSampled :

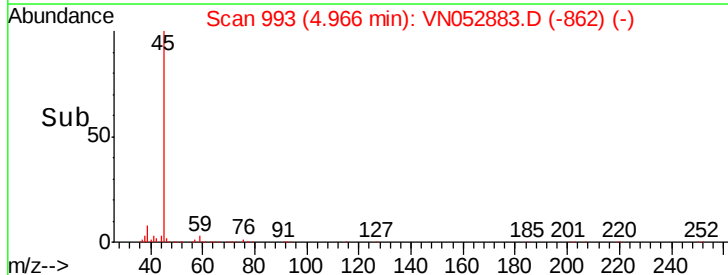
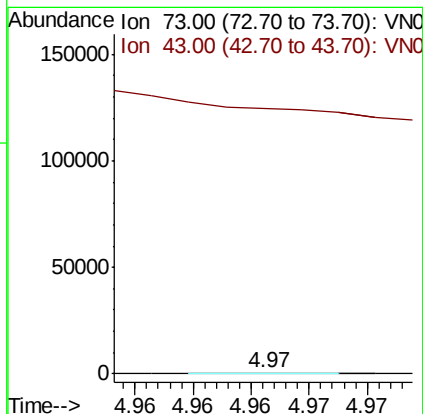
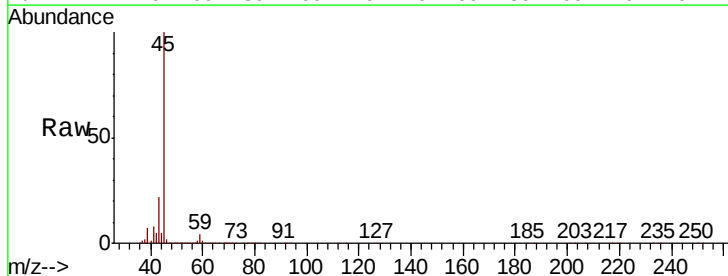
Tot Ion: 59 Resp: 913
Ion Ratio Lower Upper
59 100
52 33.5 0.0 0.0#

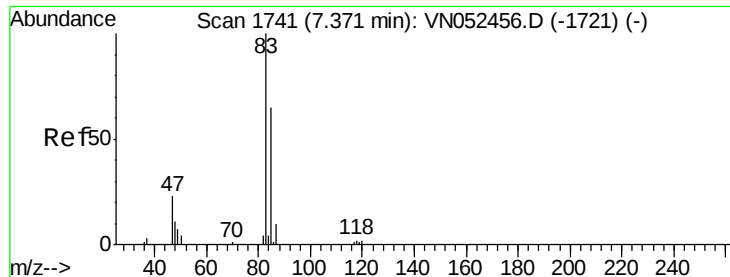


#24

Methyl tert-Butyl Ether
Concen: 3.443 ug/l
RT: 4.97 min Scan# 993
Delta R.T. -0.08 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 73 Resp: 116
Ion Ratio Lower Upper
73 100
43 0.0 15.8 23.8#

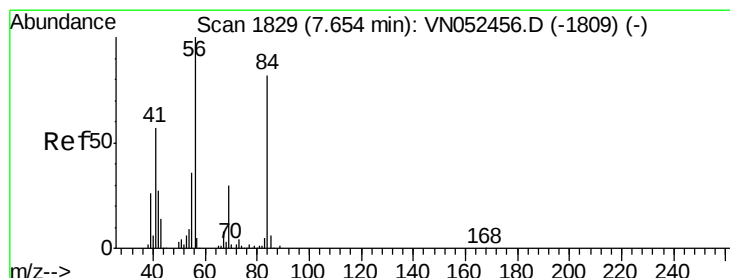
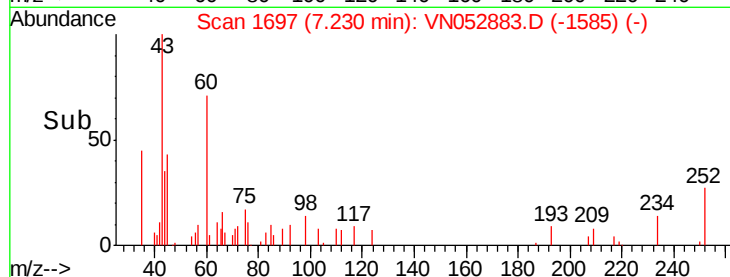
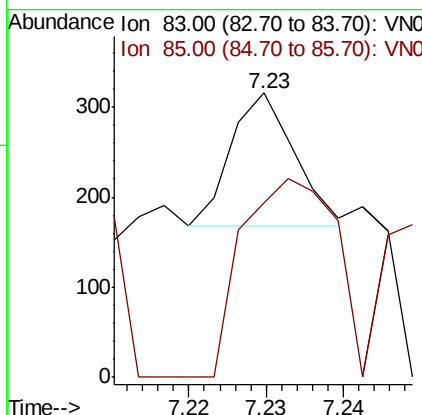
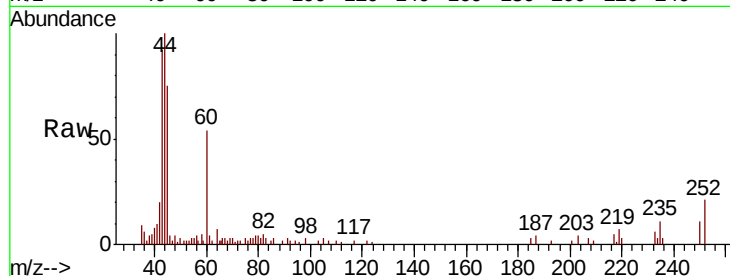




#25
Chloroform
Concen: 3.285 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. -0.14 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

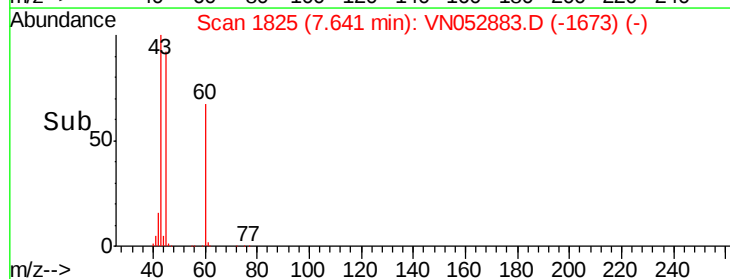
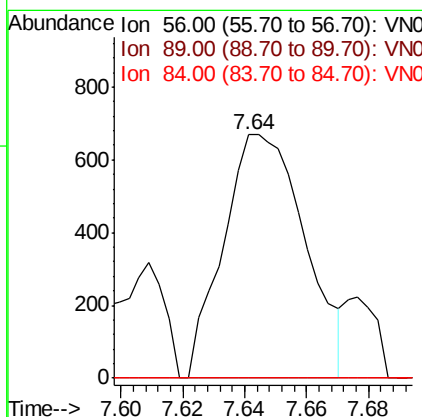
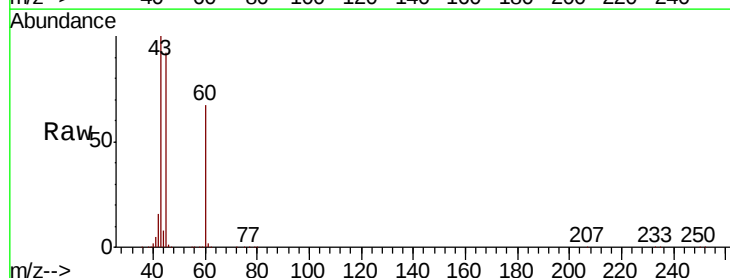
Instrument :
MSVOA_N
ClientSampled :

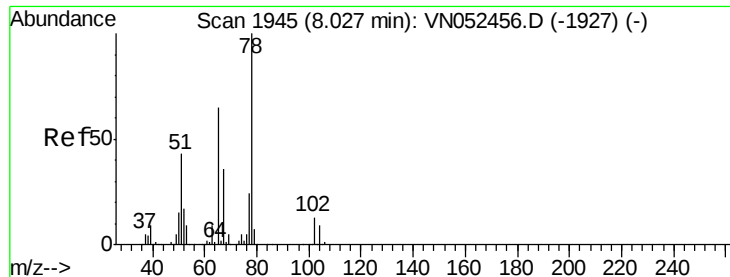
Tot Ion: 83 Resp: 85
Ion Ratio Lower Upper
83 100
85 130.4 51.7 77.5#



#26
Cyclohexane
Concen: 48.420 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 56 Resp: 1225
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 0.0 66.2 99.2#





#27

1,2-Dichloroethane-d4

Concen: 48.420 ug/l

RT: 8.45 min Scan# 2076

Delta R.T. 0.42 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

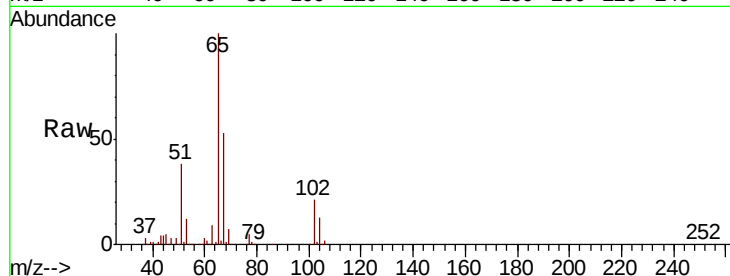
ClientSampleId :

Tot Ion: 65 Resp: 267722

Ion Ratio Lower Upper

65 100

67 54.5 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

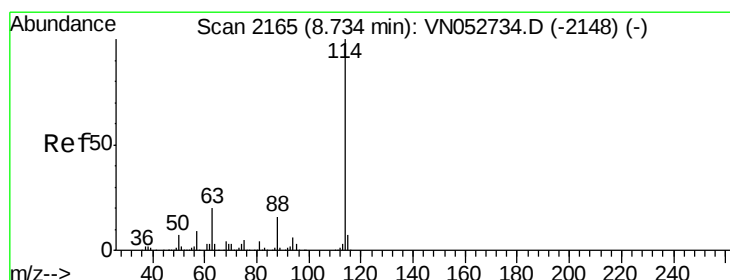
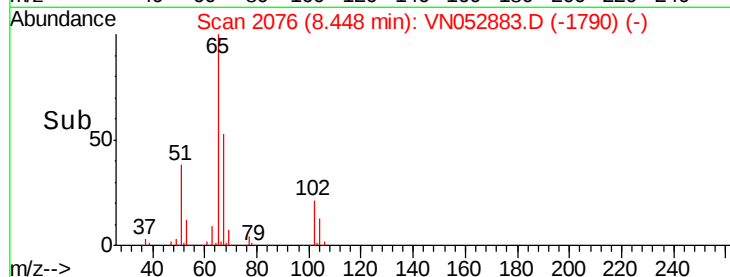
8.45

100000

50000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.91 min Scan# 2219

Delta R.T. 0.32 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

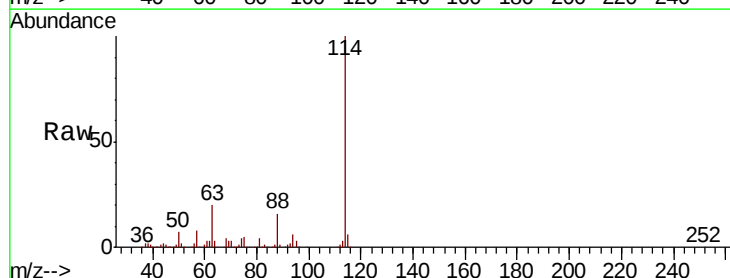
Tgt Ion: 114 Resp: 722739

Ion Ratio Lower Upper

114 100

63 19.8 16.9 25.3

88 15.5 12.8 19.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

8.91

400000

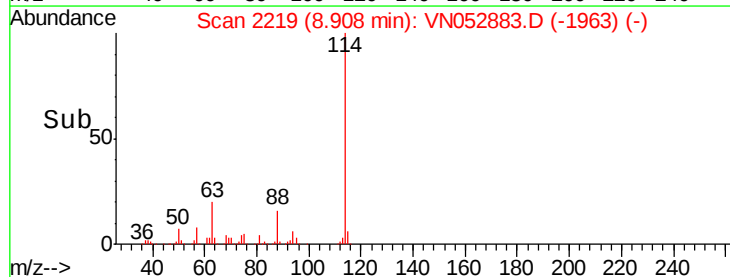
300000

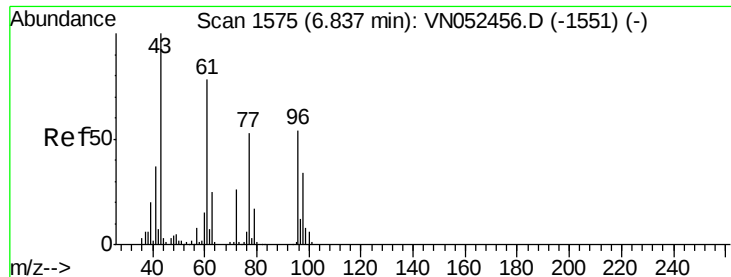
200000

100000

0

Time-->

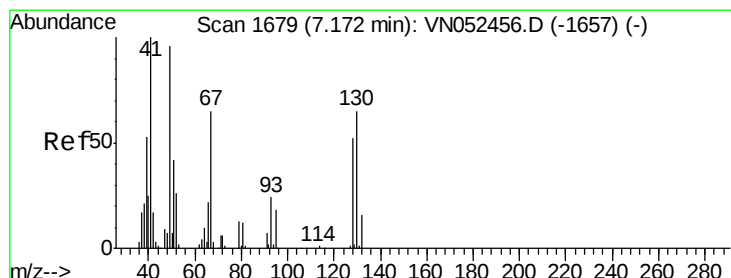
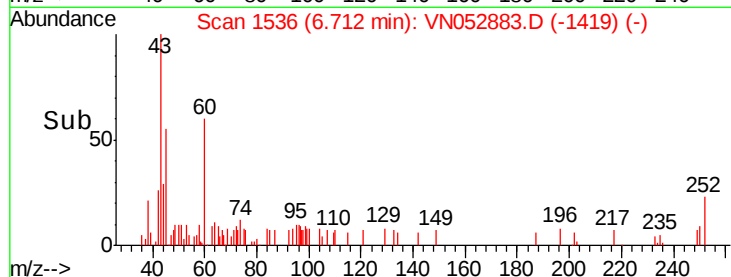
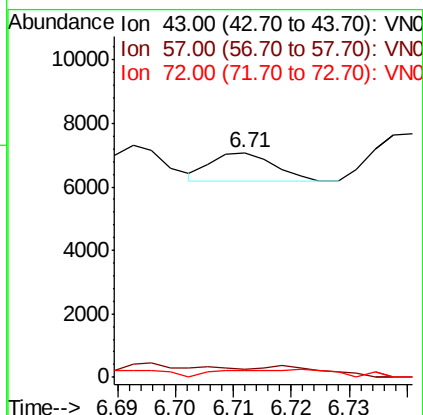
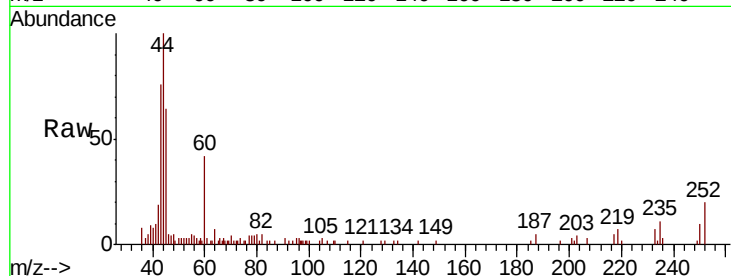




#30
2-Butanone
Concen: 0.228 ug/l
RT: 6.71 min Scan# 1536
Delta R.T. -0.13 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

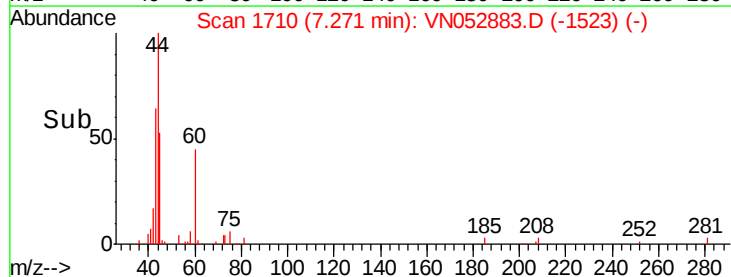
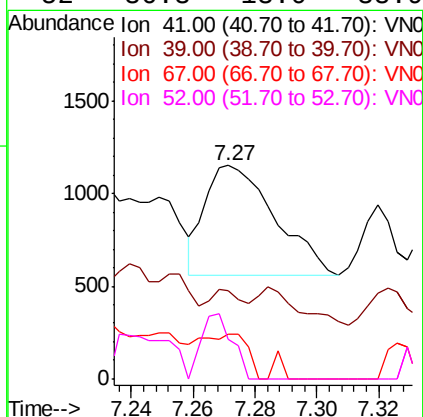
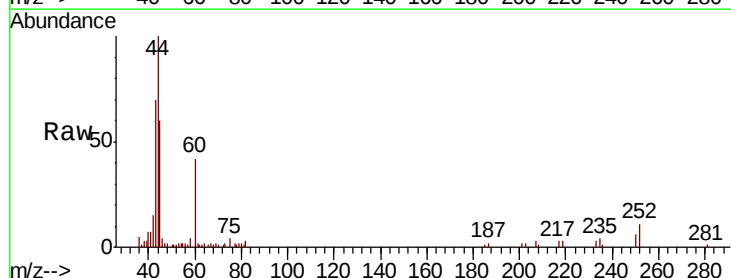
Instrument :
MSVOA_N
ClientSampleId :

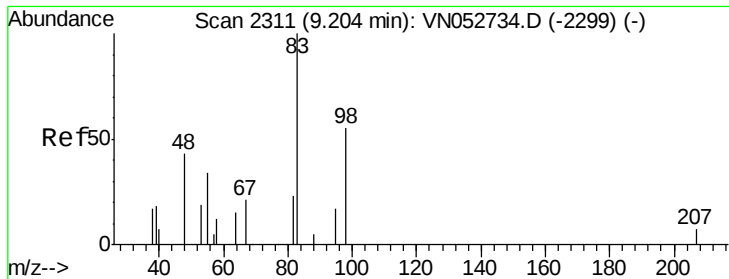
Tot Ion: 43 Resp: 672
Ion Ratio Lower Upper
43 100
57 6.3 6.2 9.4
72 22.9 21.0 31.6



#35
Methacrylonitrile
Concen: 0.254 ug/l
RT: 7.27 min Scan# 1710
Delta R.T. 0.10 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 41 Resp: 930
Ion Ratio Lower Upper
41 100
39 28.4 26.6 79.7
67 40.4 32.3 96.9
52 36.3 13.0 38.9





#41

Bromodichloromethane

Concen: 1.509 ug/l

RT: 9.62 min Scan# 2441

Delta R.T. 0.22 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

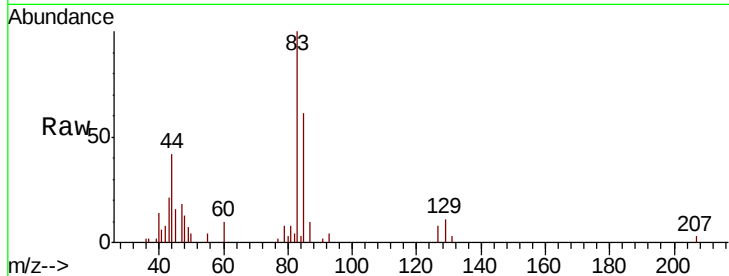
Tot Ion: 83 Resp: 16027

Ion Ratio Lower Upper

83 100

85 61.4 52.4 78.6

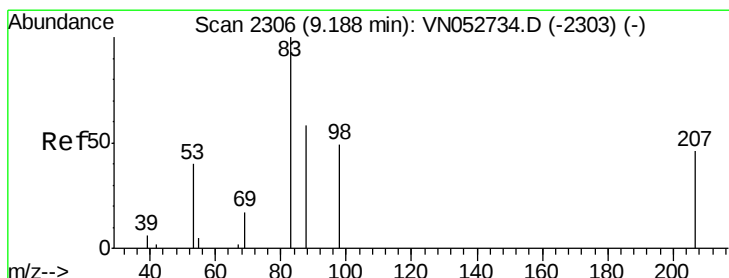
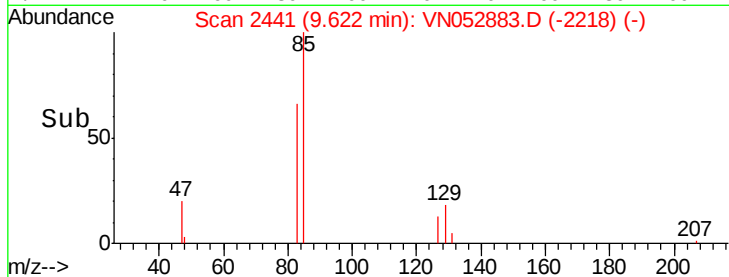
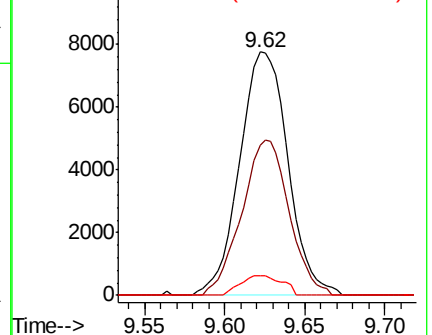
127 8.2 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#45

1,4-Dioxane

Concen: 1.129 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.01 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

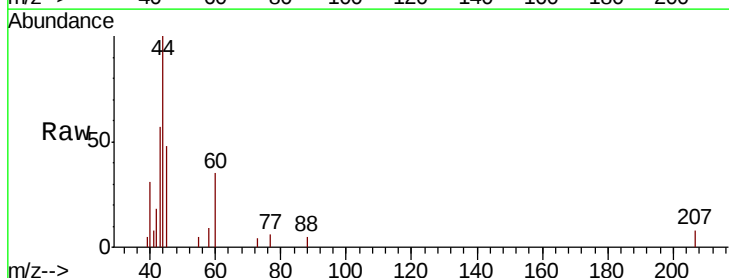
Tgt Ion: 88 Resp: 68

Ion Ratio Lower Upper

88 100

43 341.2 29.5 44.3#

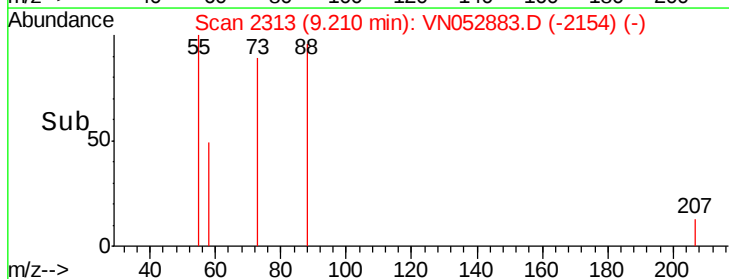
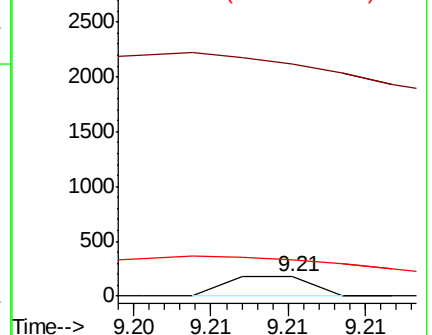
58 261.8 61.5 92.3#

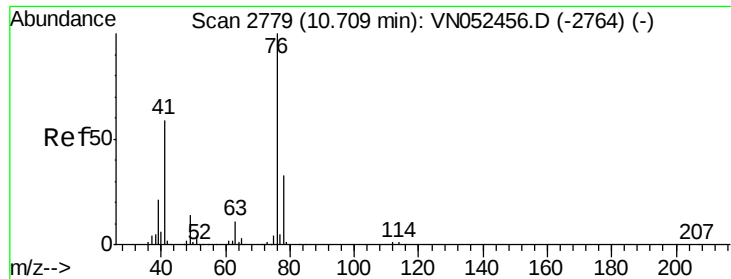


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

1,3-Dichloropropane

Concen: 0.684 ug/l

RT: 10.25 min Scan# 2637

Delta R.T. -0.46 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

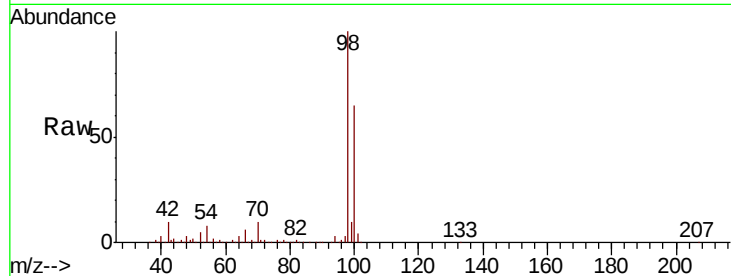
ClientSampled :

Tot Ion: 76 Resp: 8293

Ion Ratio Lower Upper

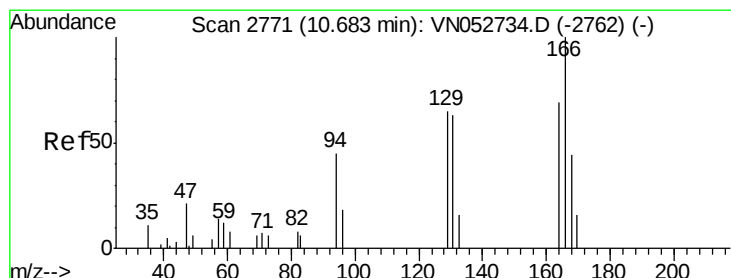
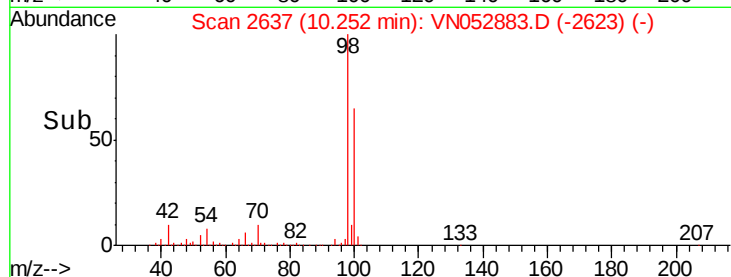
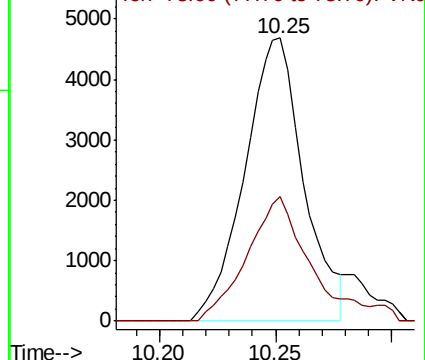
76 100

78 43.4 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0



#53

Dibromochloromethane

Concen: 0.404 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.10 min

Lab File: VN052883.D

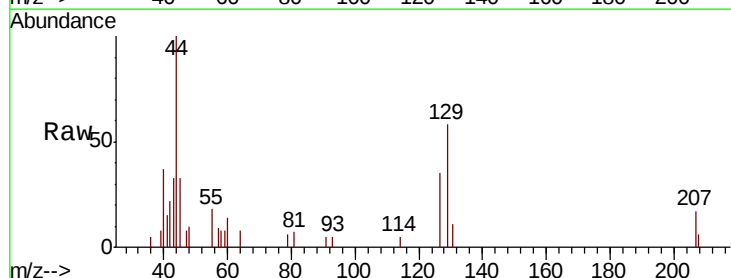
Acq: 14 Dec 2018 12:35

Tgt Ion: 129 Resp: 3032

Ion Ratio Lower Upper

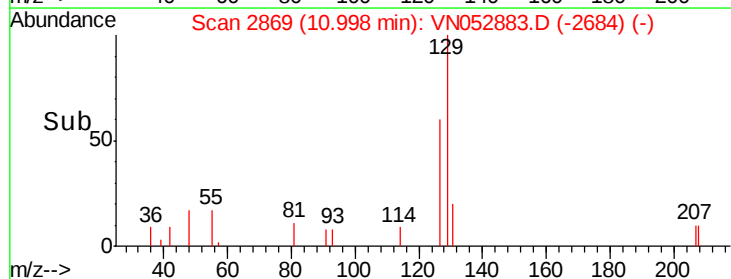
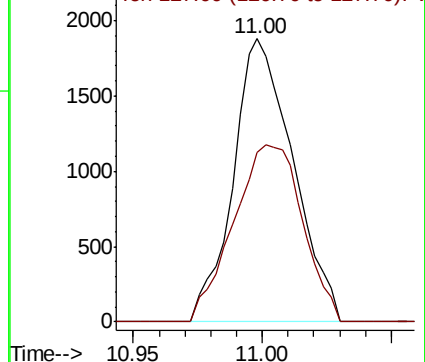
129 100

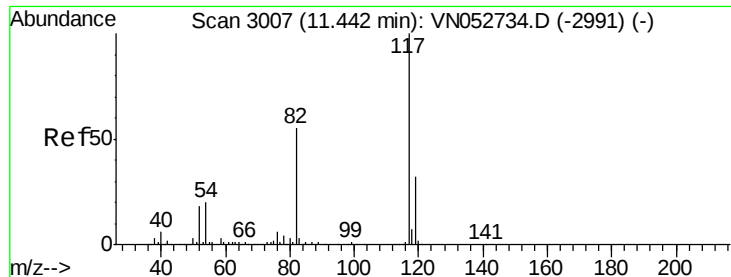
127 72.2 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

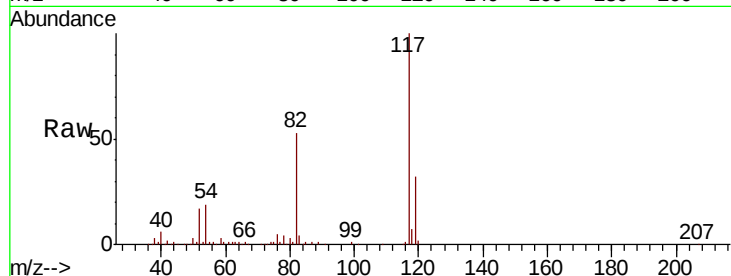




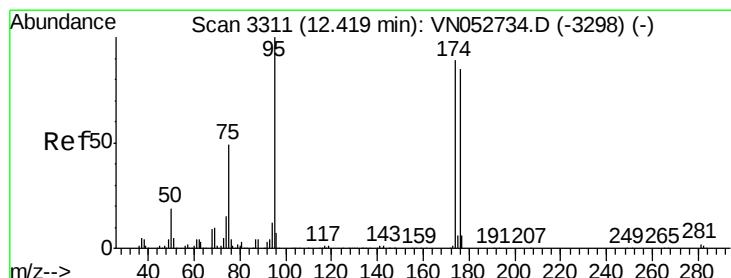
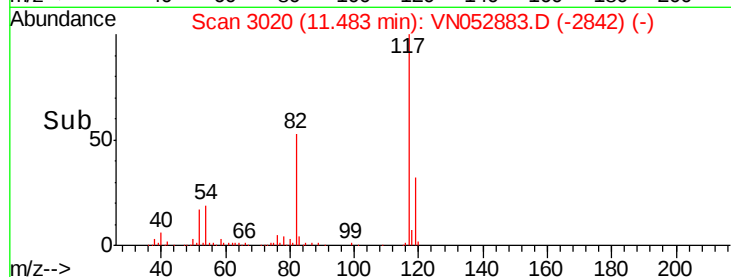
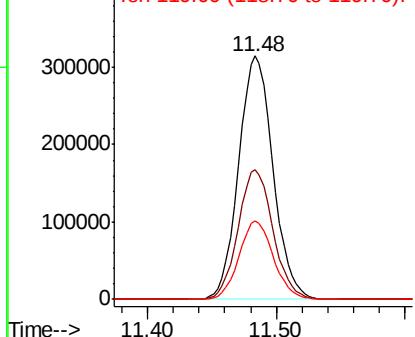
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.07 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 584350
Ion Ratio Lower Upper
117 100
82 53.9 44.2 66.2
119 32.1 25.4 38.2

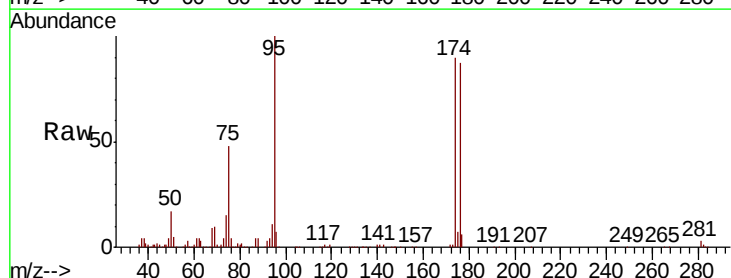


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

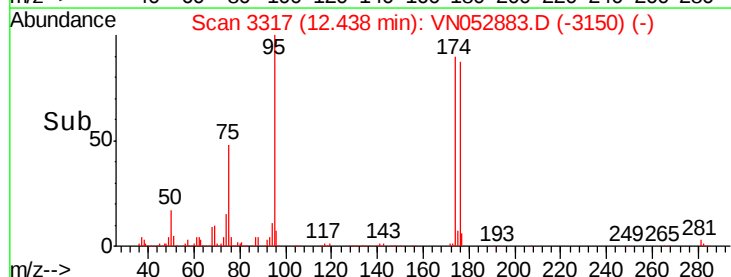
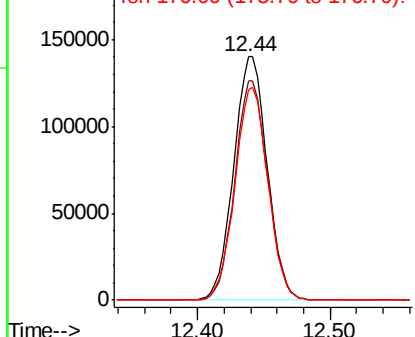


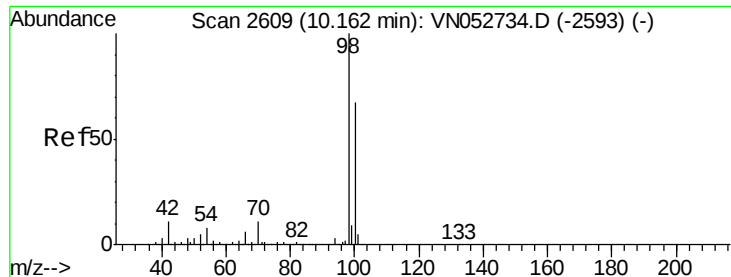
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.44 min Scan# 3317
Delta R.T. 0.04 min
Lab File: VN052883.D
Acq: 14 Dec 2018 12:35

Tgt Ion: 95 Resp: 245252
Ion Ratio Lower Upper
95 100
174 89.0 67.9 101.9
176 86.1 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: Below ug/l

RT: 10.25 min Scan# 2636

Delta R.T. 0.16 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

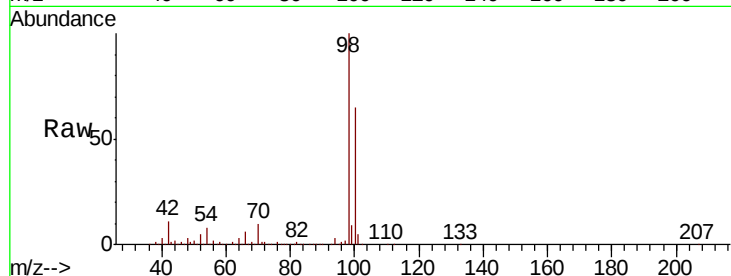
ClientSampled :

Tot Ion: 98 Resp: 799685

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052734.D (-2593) (-)

Ion 100.00 (99.70 to 100.70): VN052734.D (-2593) (-)

10.25

400000

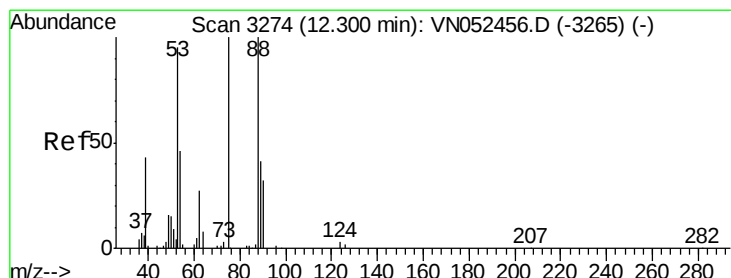
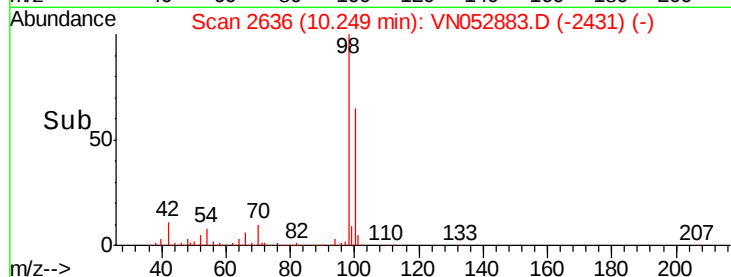
300000

200000

100000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 58.443 ug/l

RT: 12.44 min Scan# 3317

Delta R.T. 0.14 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

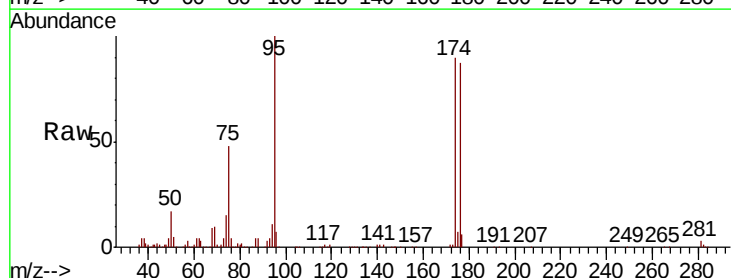
Tgt Ion: 75 Resp: 115157

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VN052456.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052456.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052456.D (-3265) (-)

12.44

80000

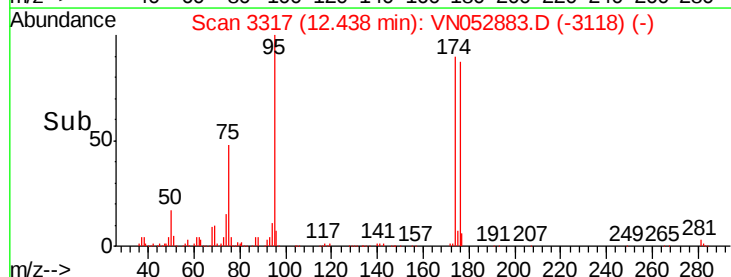
60000

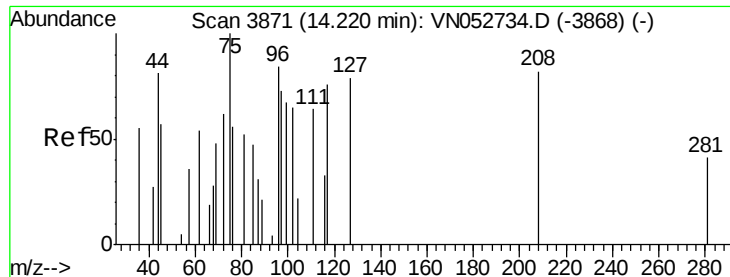
40000

20000

0

Time-->





#88

1,2-Dibromo-3-Chloropropane

Concen: 0.463 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. -0.39 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

ClientSampled :

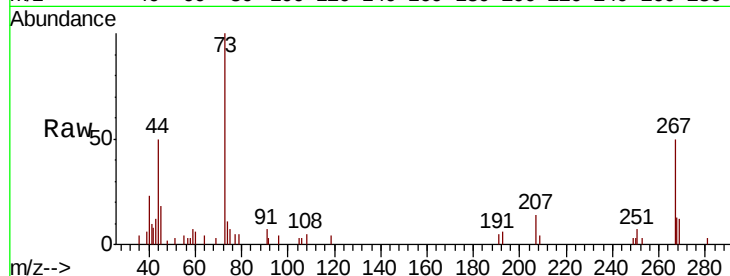
Tot Ion: 75 Resp: 471

Ion Ratio Lower Upper

75 100

155 0.0 72.2 108.2#

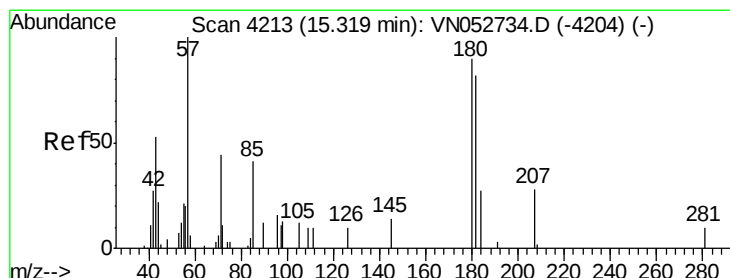
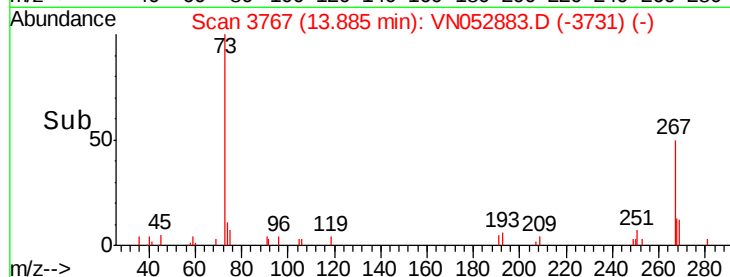
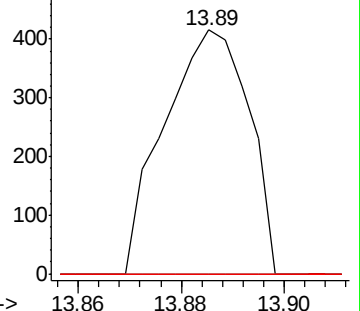
157 0.0 94.2 141.2#



Abundance Ion 75.00 (74.70 to 75.70): VN052883.D (-3731) (-)

Ion 155.00 (154.70 to 155.70): VN052883.D (-3731) (-)

Ion 157.00 (156.70 to 157.70): VN052883.D (-3731) (-)



#89

1,2,4-Trichlorobenzene

Concen: 0.489 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

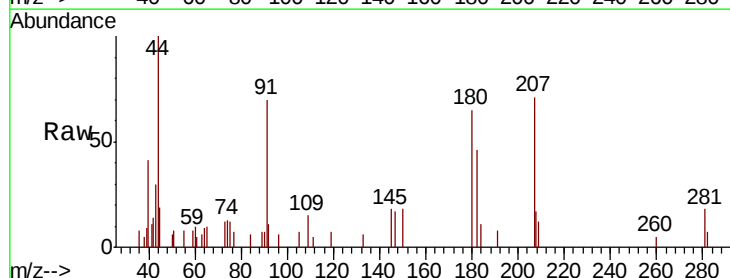
Tgt Ion: 180 Resp: 3259

Ion Ratio Lower Upper

180 100

182 80.7 76.6 114.8

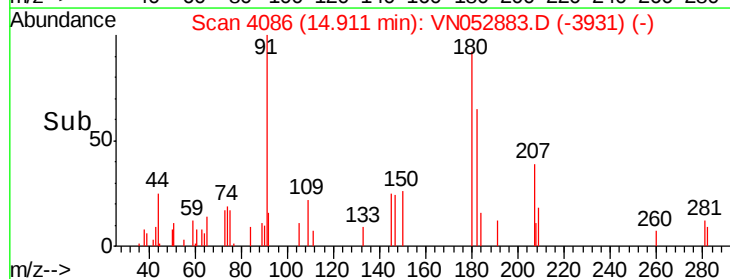
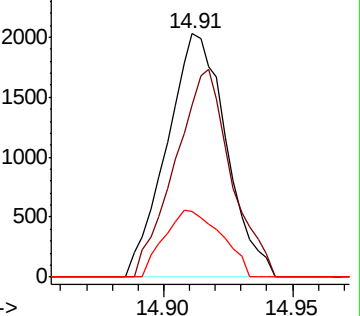
145 26.6 23.6 35.4

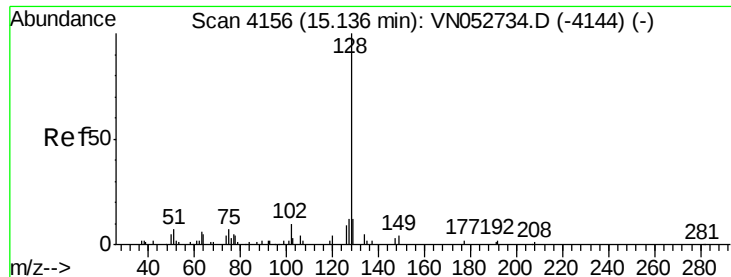


Abundance Ion 180.00 (179.70 to 180.70): VN052883.D (-3931) (-)

Ion 182.00 (181.70 to 182.70): VN052883.D (-3931) (-)

Ion 145.00 (144.70 to 145.70): VN052883.D (-3931) (-)





#91

Naphthalene

Concen: 0.750 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

Instrument :

MSVOA_N

ClientSampleId :

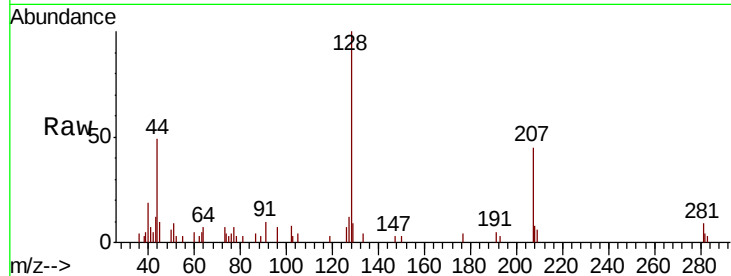
Tot Ion:128 Resp: 10091

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

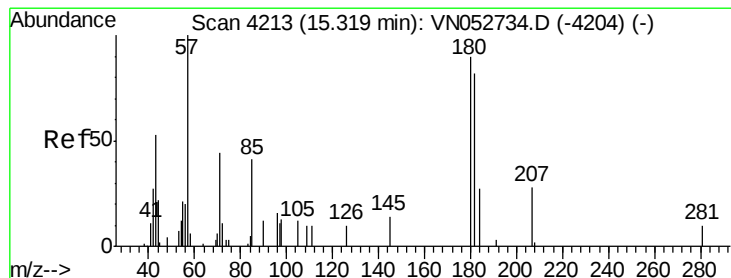
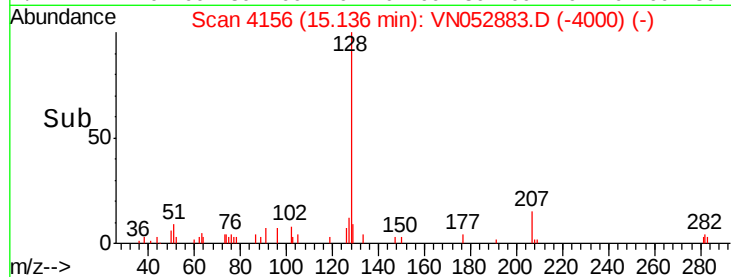
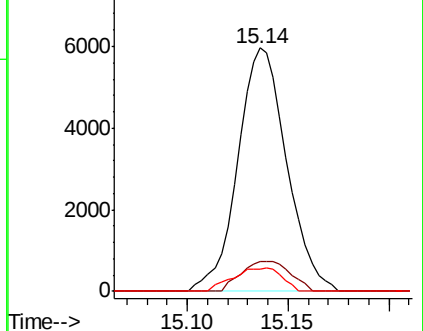
129 5.8 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 0.542 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052883.D

Acq: 14 Dec 2018 12:35

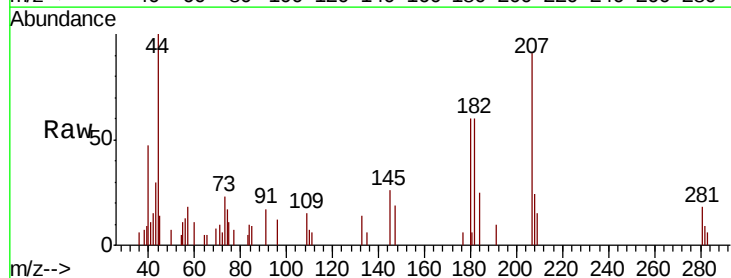
Tgt Ion:180 Resp: 3327

Ion Ratio Lower Upper

180 100

182 94.5 0.0 196.2

145 33.5 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

