

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112018\
 Data File : VN052403.D
 Acq On : 20 Nov 2018 13:18
 Operator : MD\SY
 Sample : J6003-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-04

Quant Time: Nov 20 14:32:07 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	307359	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	501090	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	406890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	218973	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	164050	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
50) Toluene-d8	10.09	98	628371	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	173551	41.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.98%	

Target Compounds

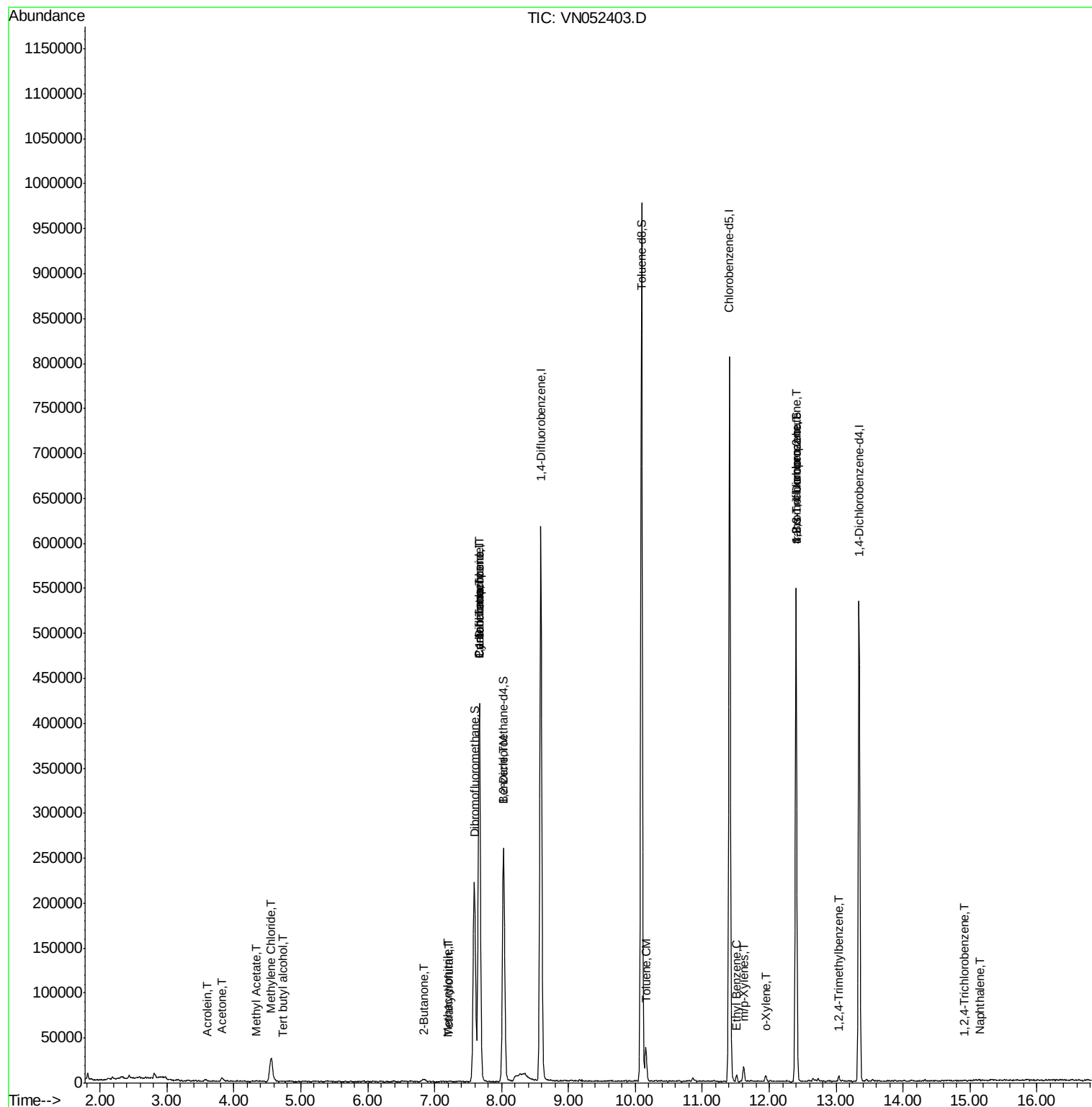
						Qvalue
11) Tert butyl alcohol	4.74	59	65	0.28	ug/l #	72
13) Acrolein	3.61	56	157	22.18	ug/l #	14
16) Acetone	3.83	43	7303	6.11	ug/l	90
18) Methyl Acetate	4.33	43	421	0.56	ug/l #	57
20) Methylene Chloride	4.56	84	16209	3.81	ug/l	94
25) 2-Butanone	6.84	43	538	0.32	ug/l #	56
29) Tetrahydrofuran	7.21	42	292	0.26	ug/l #	40
31) Cyclohexane	7.67	56	9877	0.45	ug/l #	30
36) 1,1-Dichloropropene	7.66	75	28753	5.72	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33480	7.26	ug/l #	16
40) Benzene	8.04	78	3906	0.27	ug/l #	80
41) Methacrylonitrile	7.19	41	203	3.79	ug/l #	100
52) Toluene	10.16	92	13776	1.60	ug/l	97
67) Ethyl Benzene	11.51	91	4030	0.27	ug/l	97
68) m/p-Xylenes	11.62	106	4195	0.77	ug/l	82
69) o-Xylene	11.95	106	1455	0.28	ug/l	55
76) 1,2,3-Trichloropropane	12.40	75	98899	45.91	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98899	148.90	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.04	105	3335	0.41	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	119	2.32	ug/l #	1
95) Naphthalene	15.14	128	1624	2.95	ug/l #	74

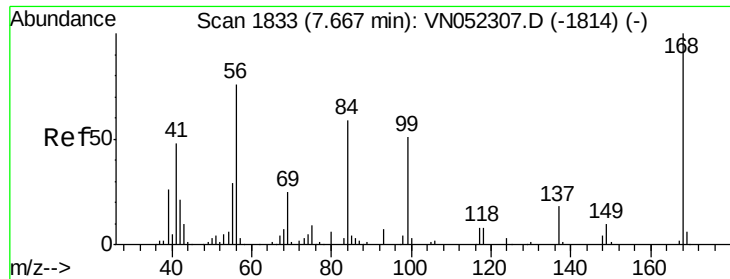
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

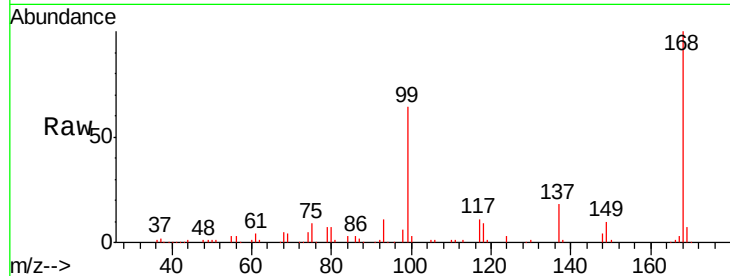
AOC2-04

Tgt Ion:168 Resp: 307359

Ion Ratio Lower Upper

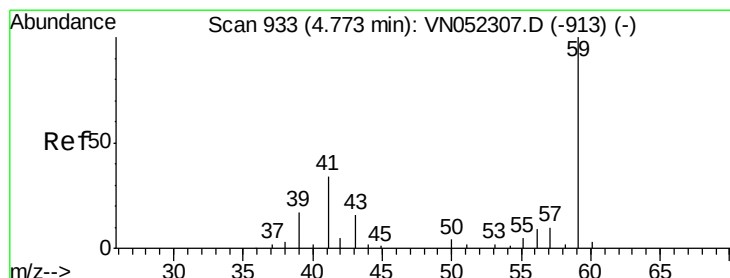
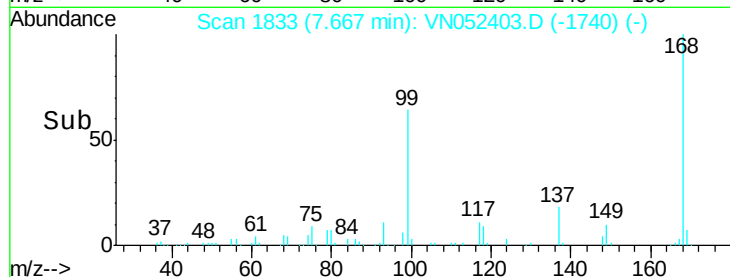
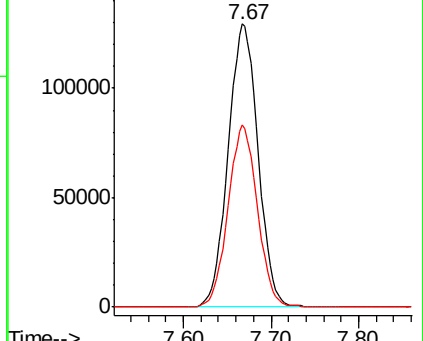
168 100

99 64.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): VN052403.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN052403.D (-1740) (-)



#11

Tert butyl alcohol

Concen: 0.28 ug/l

RT: 4.74 min Scan# 922

Delta R.T. -0.04 min

Lab File: VN052403.D

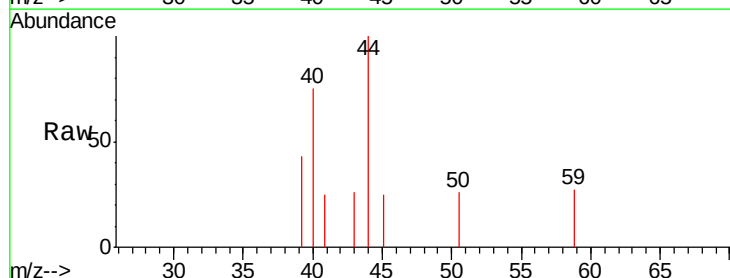
Acq: 20 Nov 2018 13:18

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

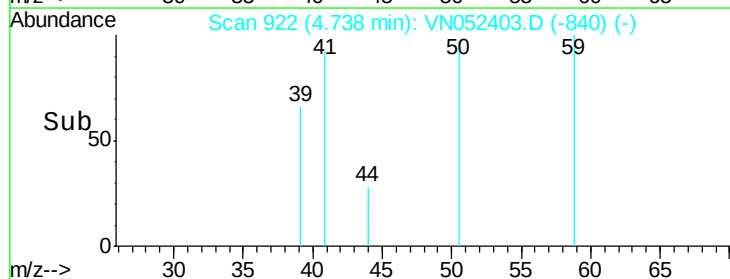
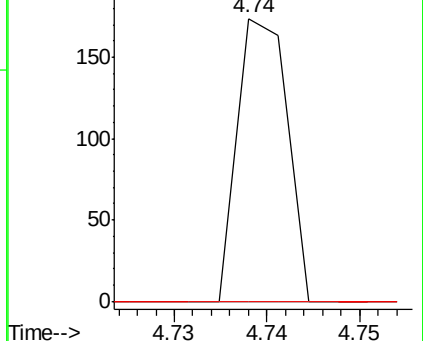
59 100

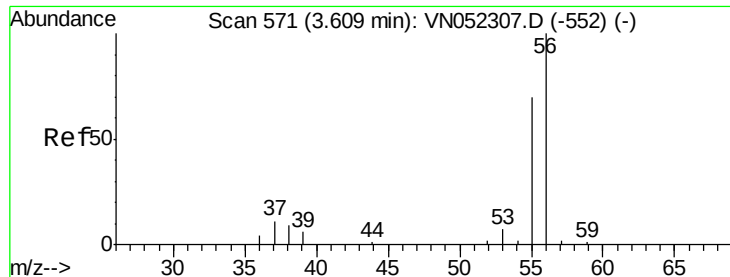
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN052403.D (-840) (-)

Ion 57.00 (56.70 to 57.70): VN052403.D (-840) (-)





#13

Acrolein

Concen: 22.18 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

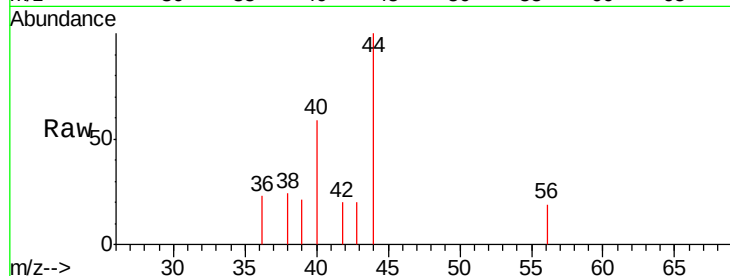
AOC2-04

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

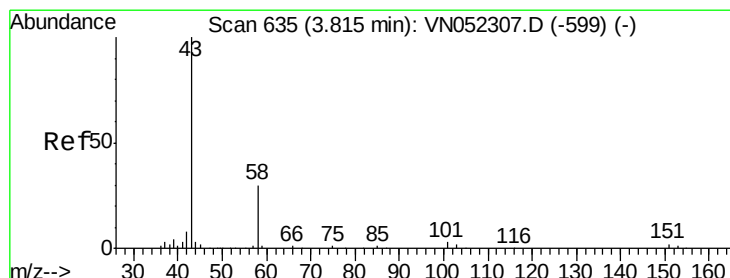
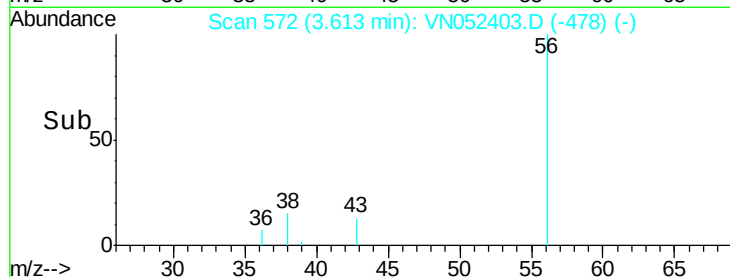
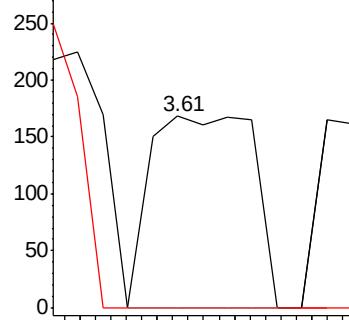
56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 6.11 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN052403.D

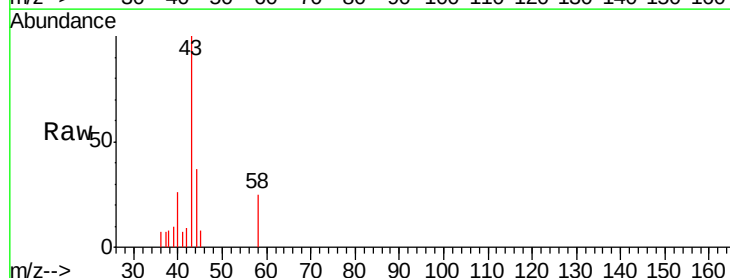
Acq: 20 Nov 2018 13:18

Tgt Ion: 43 Resp: 7303

Ion Ratio Lower Upper

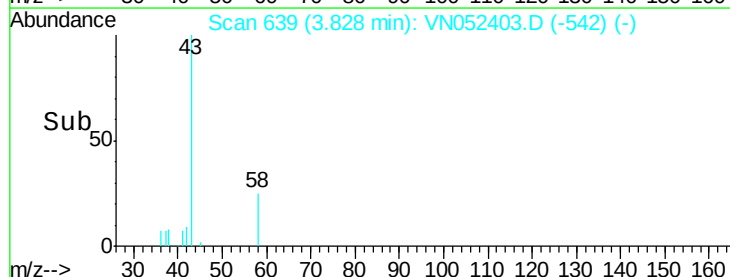
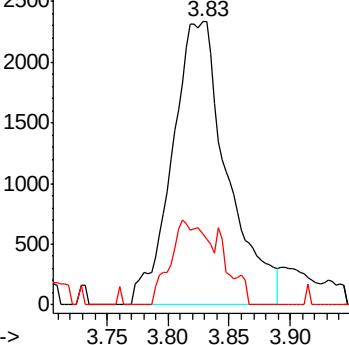
43 100

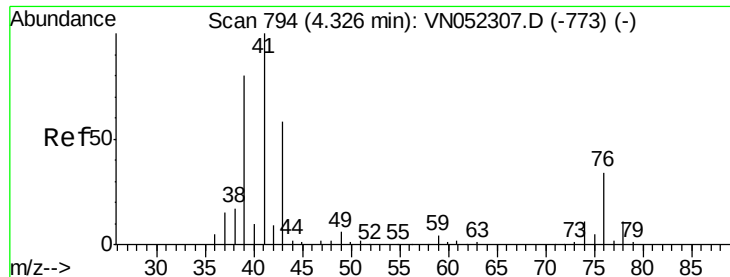
58 24.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

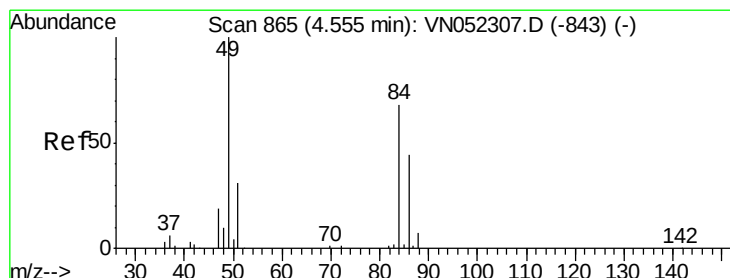
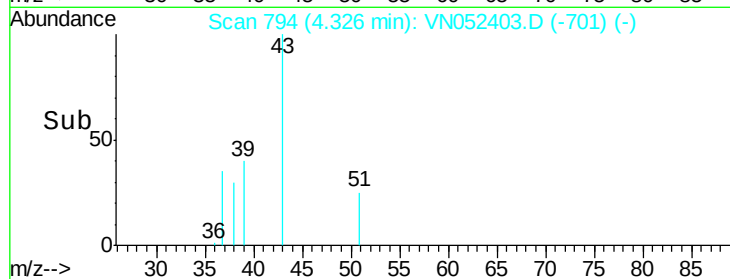
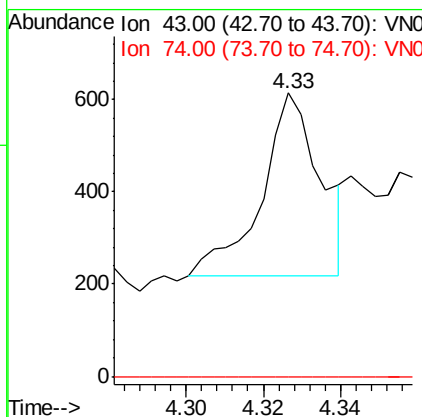
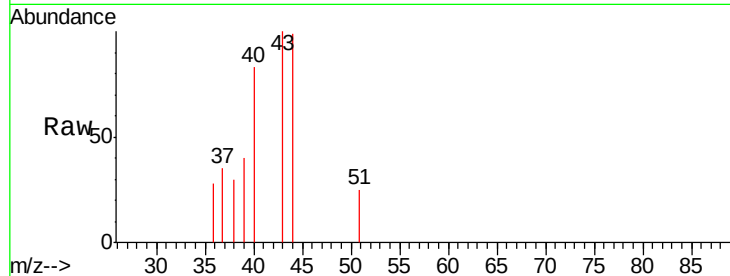




#18
Methyl Acetate
Concen: 0.56 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

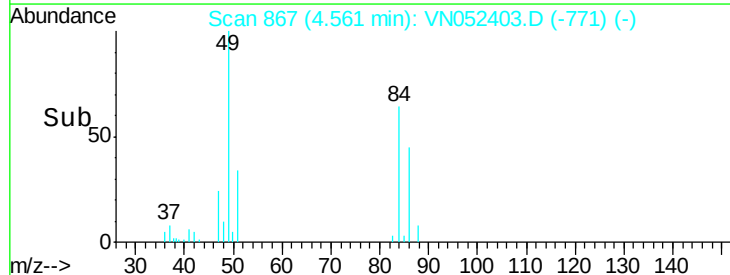
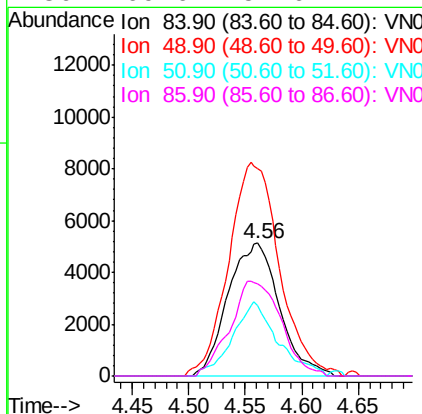
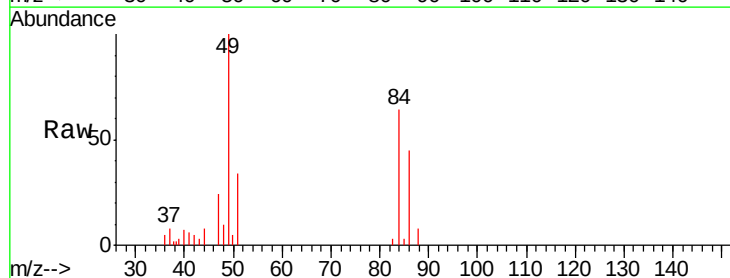
Instrument :
MSVOA_N
ClientSampleId :
AOC2-04

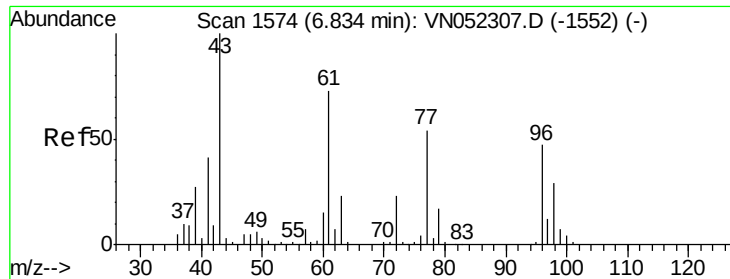
Tgt Ion: 43 Resp: 421
Ion Ratio Lower Upper
43 100
74 0.0 15.9 23.9#



#20
Methylene Chloride
Concen: 3.81 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion: 84 Resp: 16209
Ion Ratio Lower Upper
84 100
49 152.8 118.2 177.2
51 53.2 36.1 54.1
86 69.6 51.6 77.4

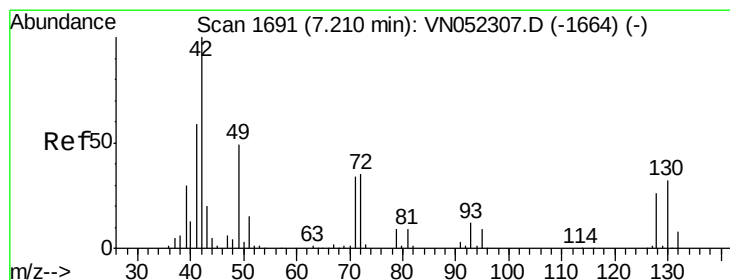
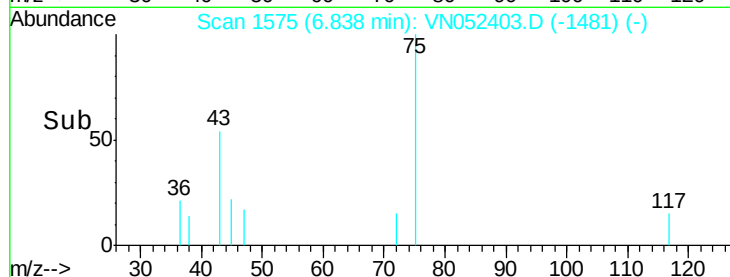
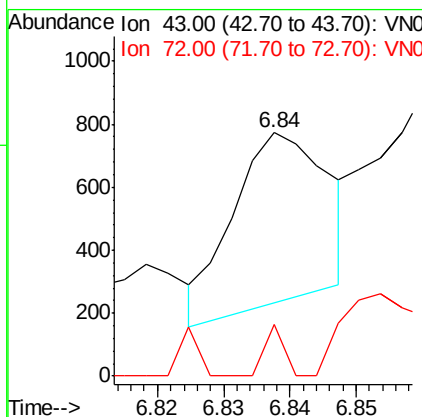
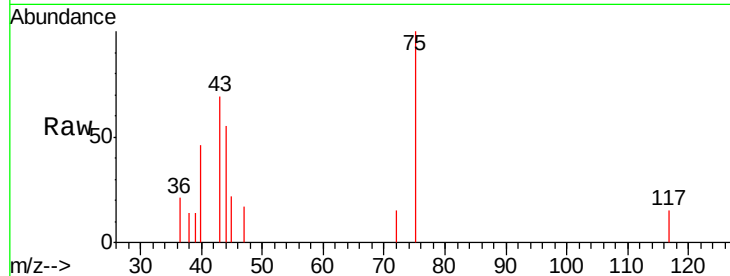




#25
2-Butanone
Concen: 0.32 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

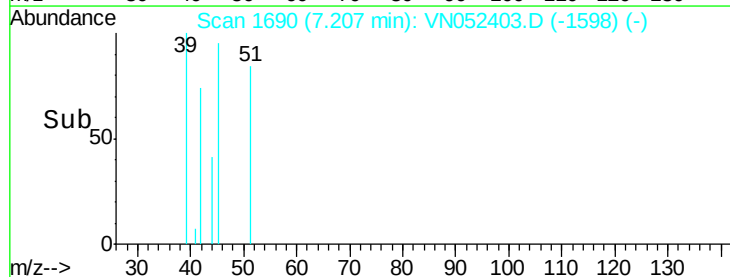
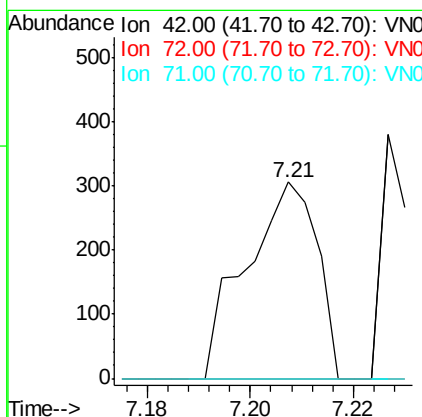
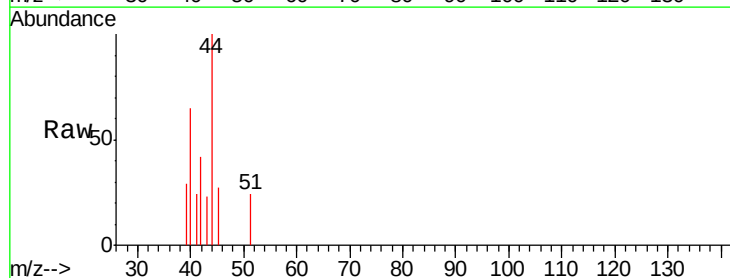
Instrument :
MSVOA_N
ClientSampled :
AOC2-04

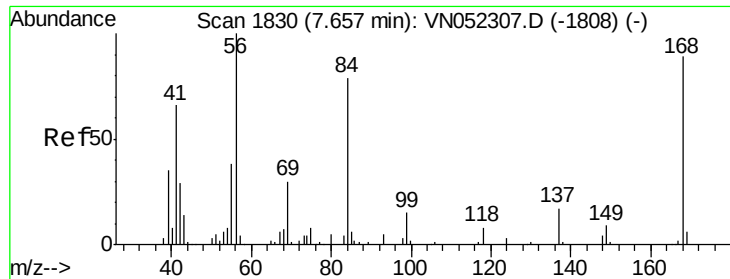
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
72 1.7 18.6 27.8#



#29
Tetrahydrofuran
Concen: 0.26 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion: 42 Resp: 292
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#

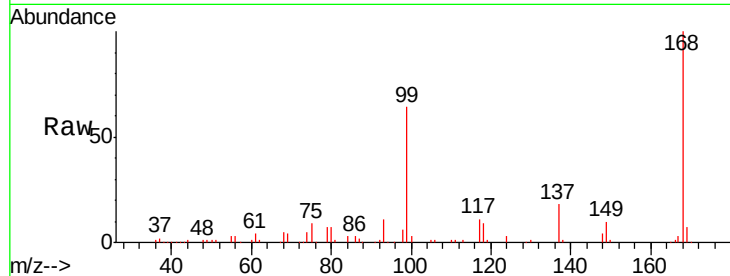




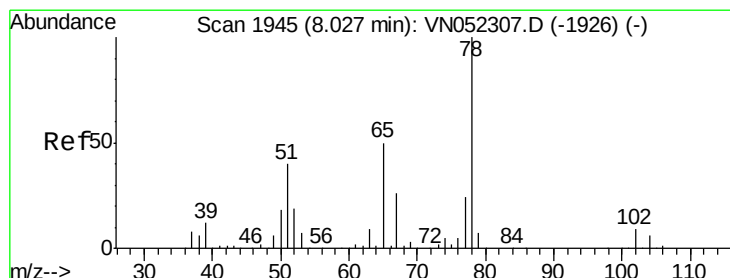
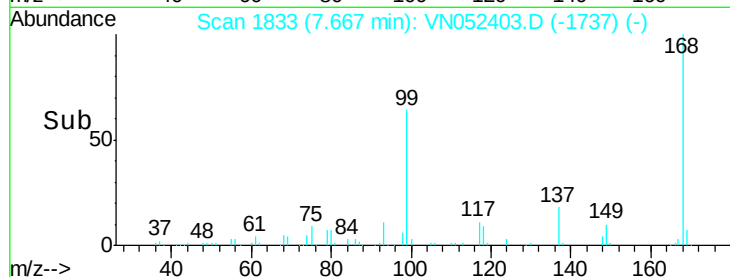
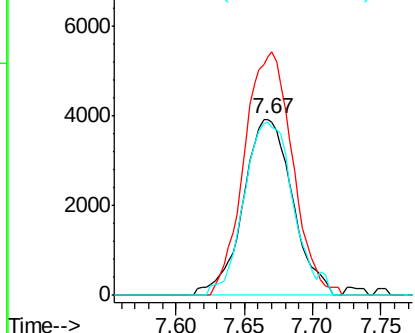
#31
Cyclohexane
Concen: 0.45 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
AOC2-04

Tgt Ion: 56 Resp: 9877
Ion Ratio Lower Upper
56 100
69 135.3 23.8 35.8#
84 98.2 63.0 94.6#

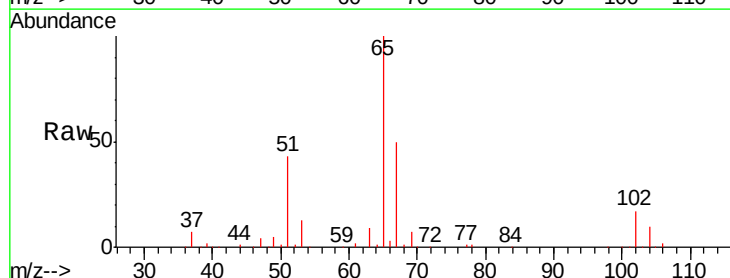


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

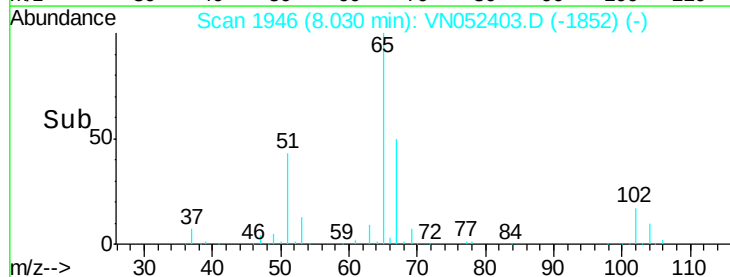
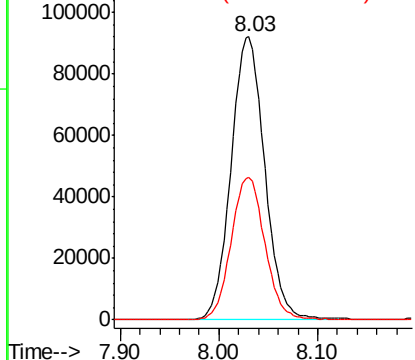


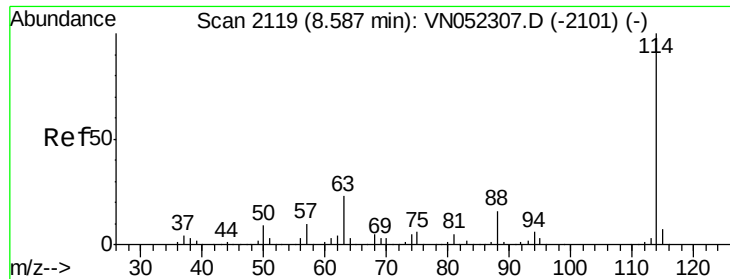
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion: 65 Resp: 218973
Ion Ratio Lower Upper
65 100
67 50.5 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

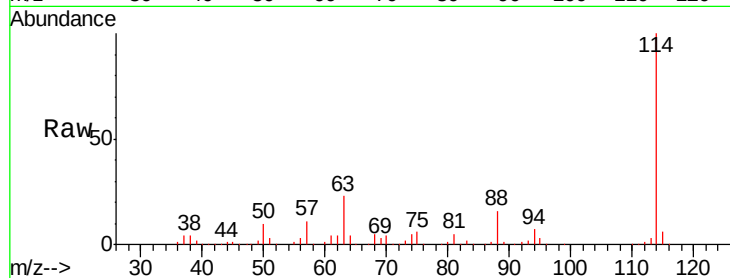




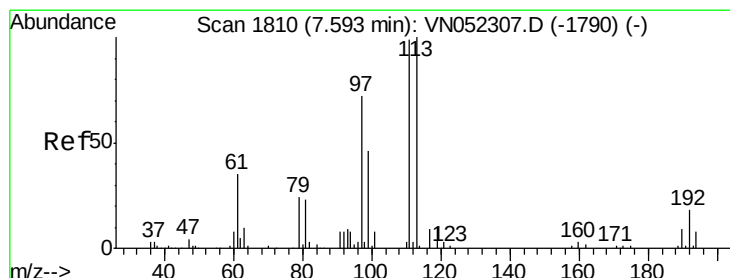
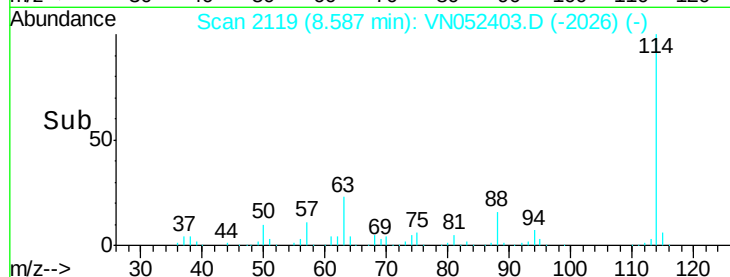
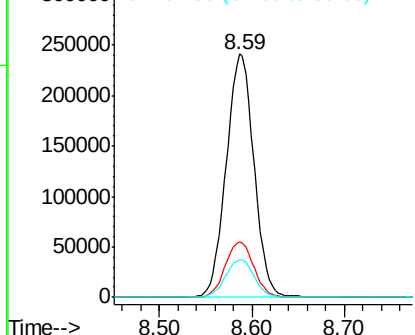
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
AOC2-04

Tgt Ion:114 Resp: 501090
Ion Ratio Lower Upper
114 100
63 23.0 0.0 45.4
88 15.6 0.0 31.2

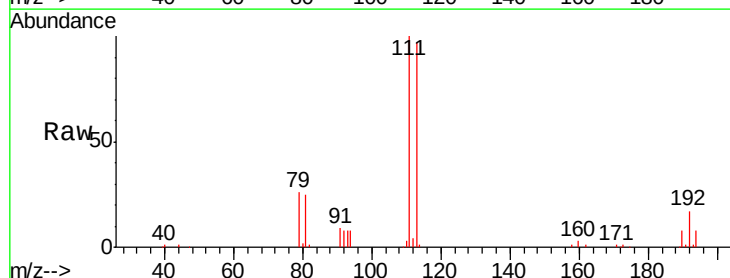


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

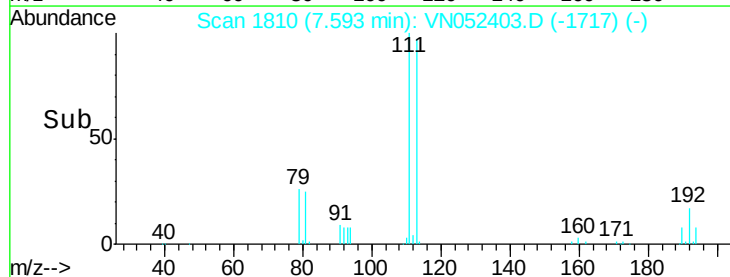
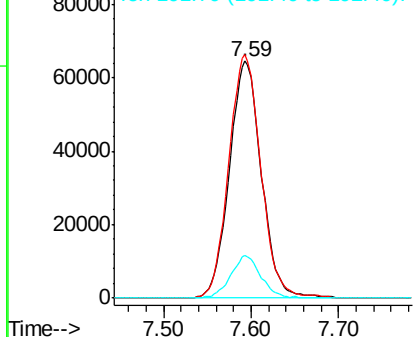


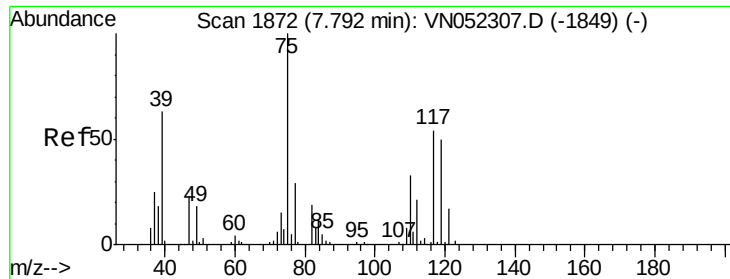
#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion:113 Resp: 164050
Ion Ratio Lower Upper
113 100
111 102.9 81.0 121.6
192 16.8 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

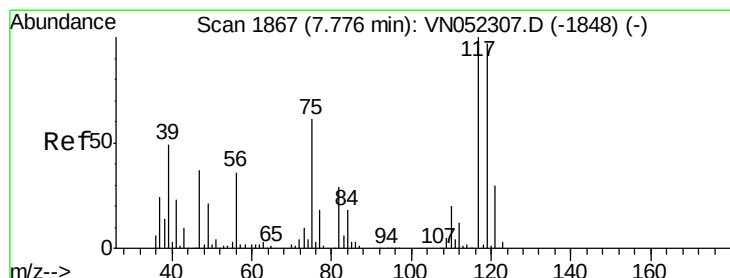
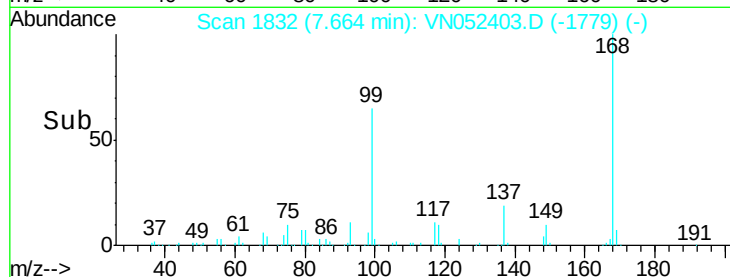
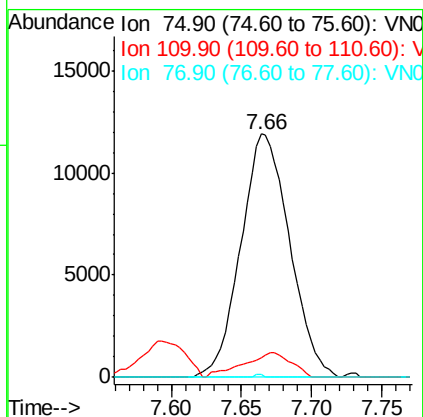
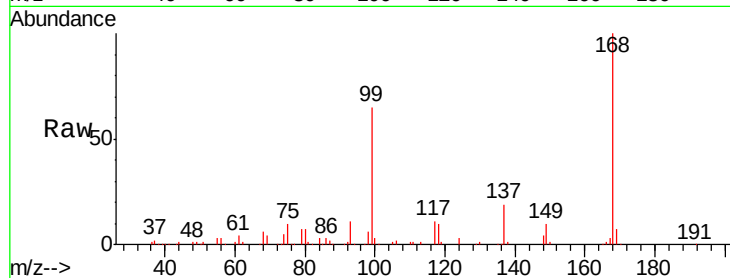




#36
 1,1-Dichloropropene
 Concen: 5.72 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

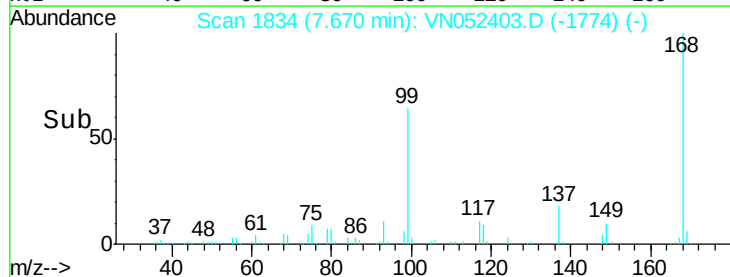
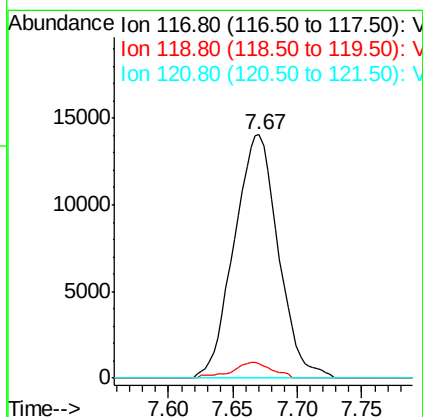
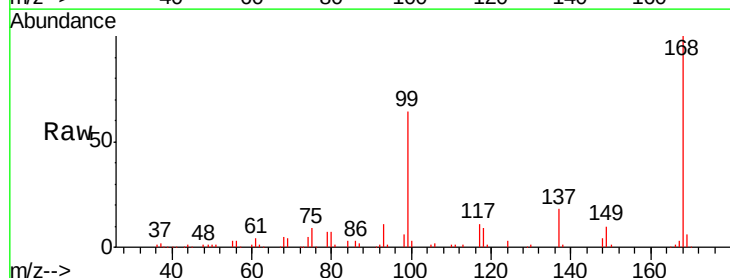
Instrument :
 MSVOA_N
 ClientSampleId :
 AOC2-04

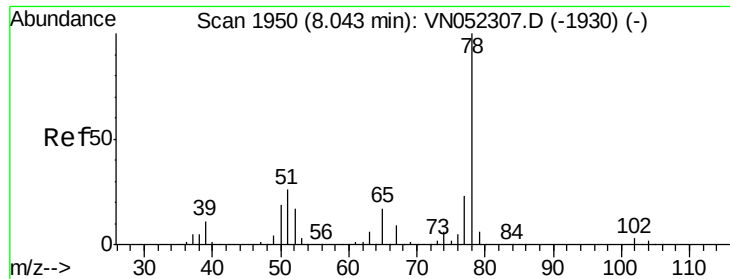
Tgt Ion: 75 Resp: 28753
 Ion Ratio Lower Upper
 75 100
 110 9.9 16.5 49.5#
 77 0.2 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 7.26 ug/l
 RT: 7.67 min Scan# 1834
 Delta R.T. -0.11 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

Tgt Ion: 117 Resp: 33480
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.4 116.0#
 121 0.0 24.0 36.0#





#40

Benzene

Concen: 0.27 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

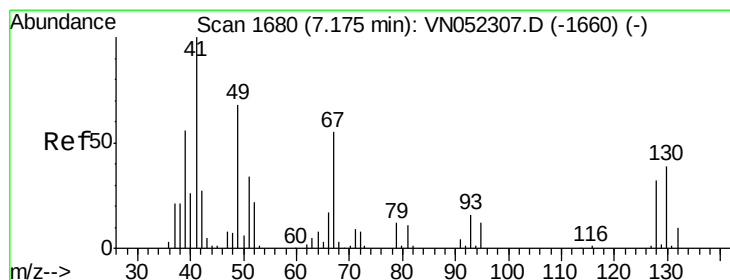
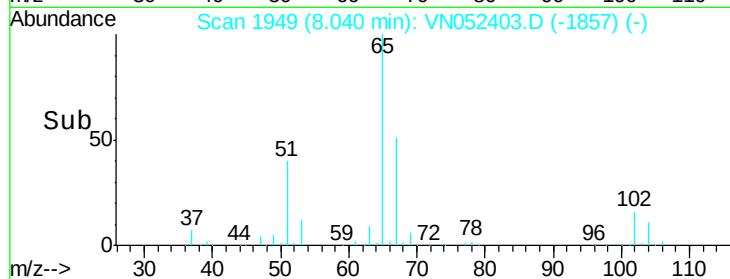
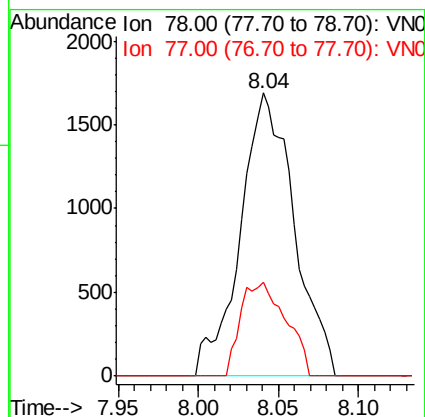
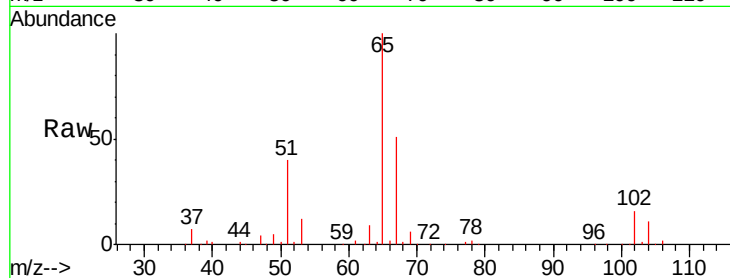
AOC2-04

Tgt Ion: 78 Resp: 3906

Ion Ratio Lower Upper

78 100

77 33.2 18.7 28.1#



#41

Methacrylonitrile

Concen: 3.79 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Tgt Ion: 41 Resp: 203

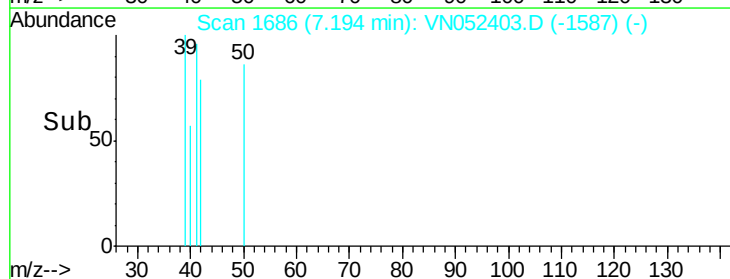
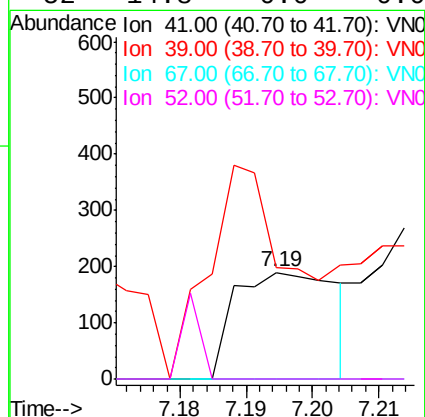
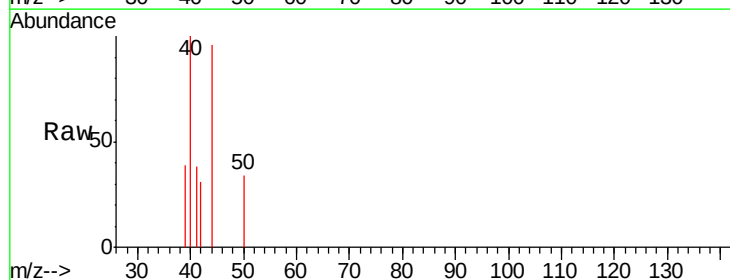
Ion Ratio Lower Upper

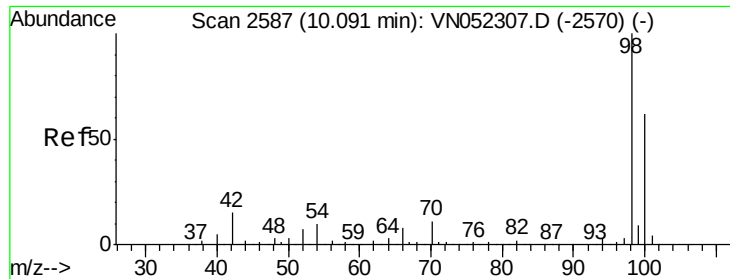
41 100

39 158.1 0.0 0.0#

67 0.0 0.0 0.0

52 14.8 0.0 0.0#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

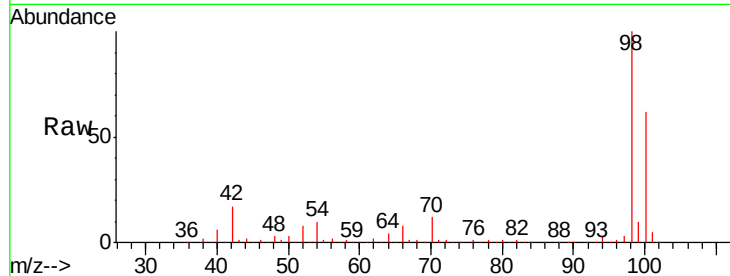
AOC2-04

Tgt Ion: 98 Resp: 628371

Ion Ratio Lower Upper

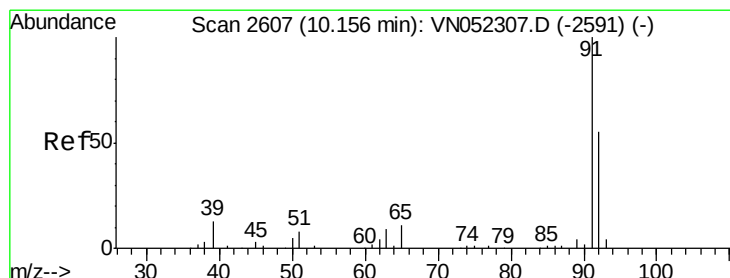
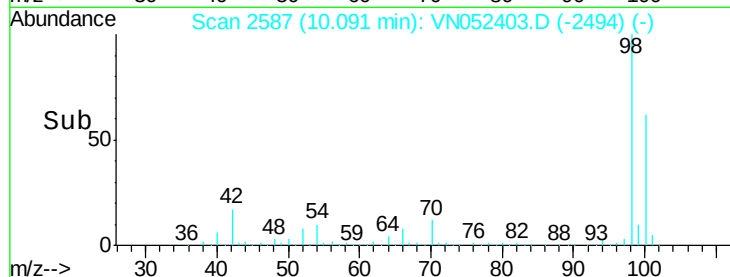
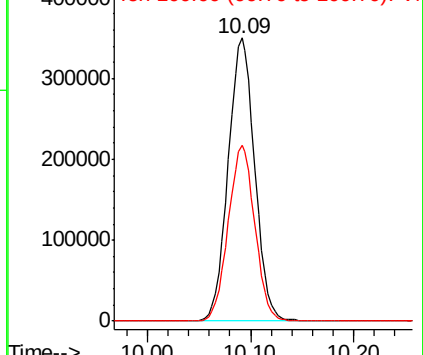
98 100

100 62.3 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

Toluene

Concen: 1.60 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052403.D

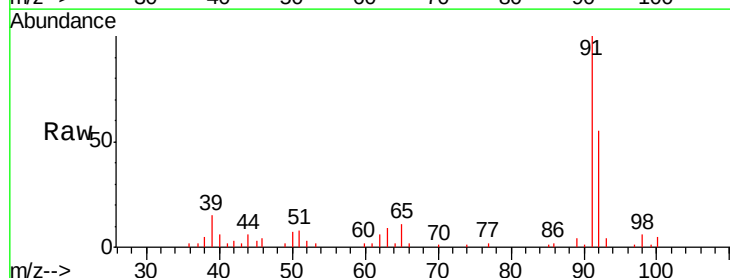
Acq: 20 Nov 2018 13:18

Tgt Ion: 92 Resp: 13776

Ion Ratio Lower Upper

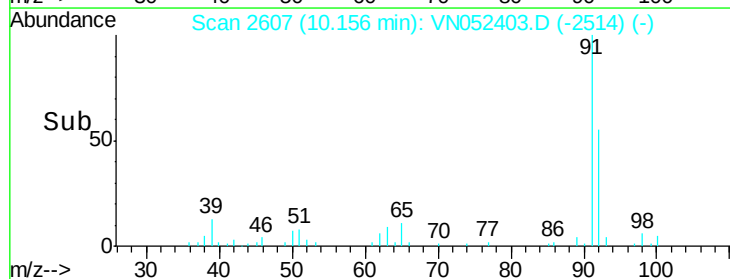
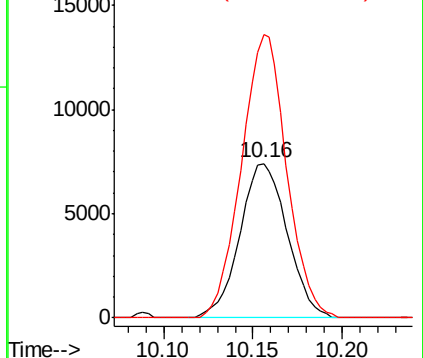
92 100

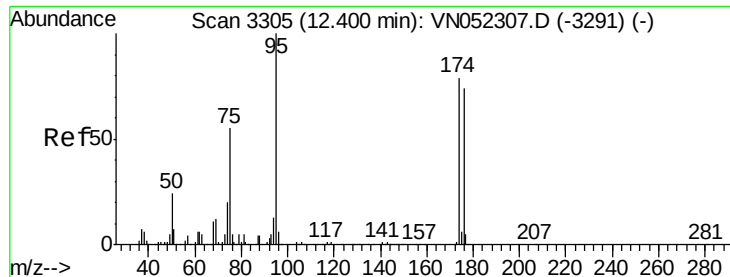
91 174.7 143.6 215.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

AOC2-04

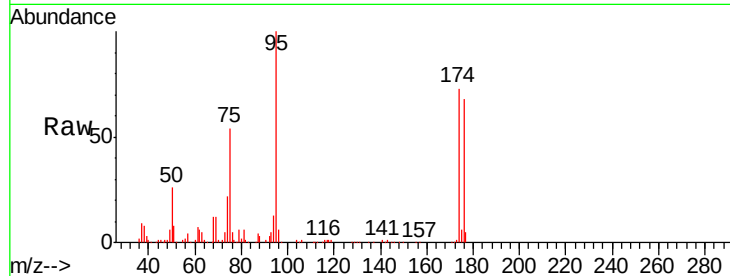
Tgt Ion: 95 Resp: 173551

Ion Ratio Lower Upper

95 100

174 74.0 0.0 156.0

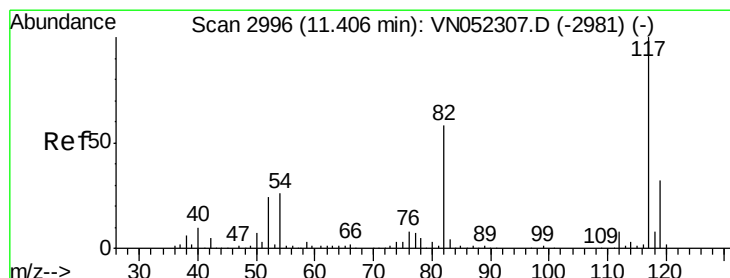
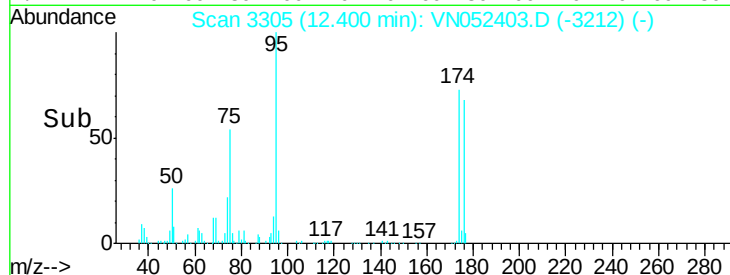
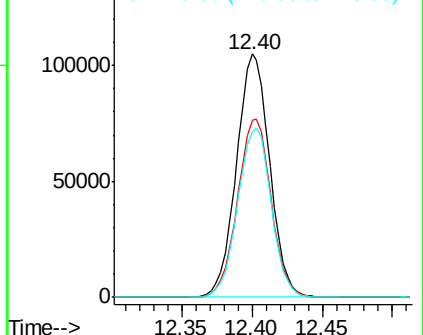
176 70.1 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052403.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN052403.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN052403.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

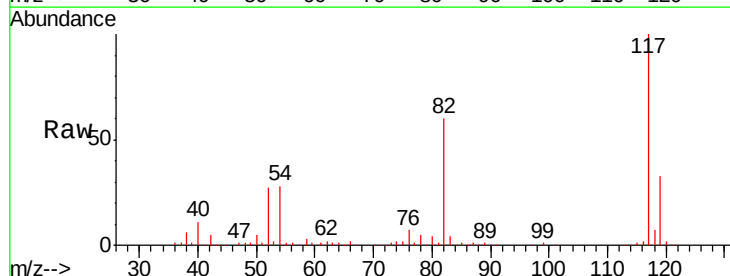
Tgt Ion: 117 Resp: 406890

Ion Ratio Lower Upper

117 100

82 60.3 46.5 69.7

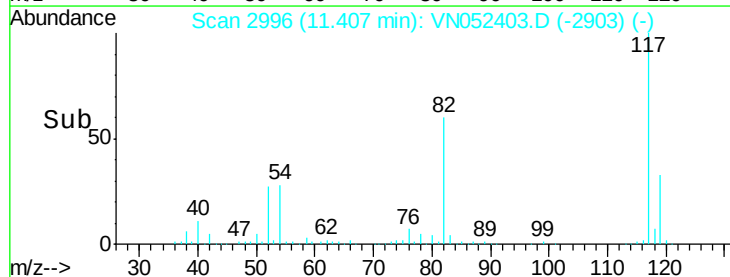
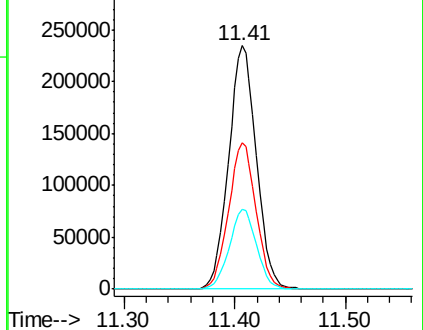
119 32.9 25.7 38.5

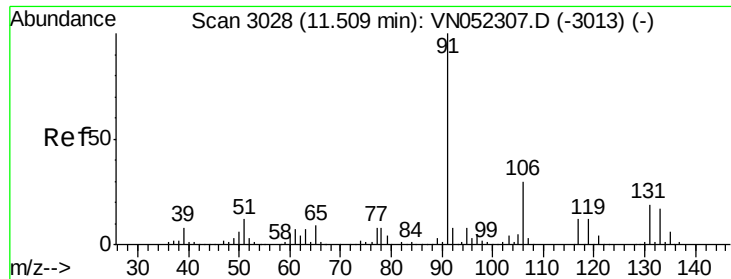


Abundance Ion 116.90 (116.60 to 117.60): VN052403.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN052403.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN052403.D (-2903) (-)

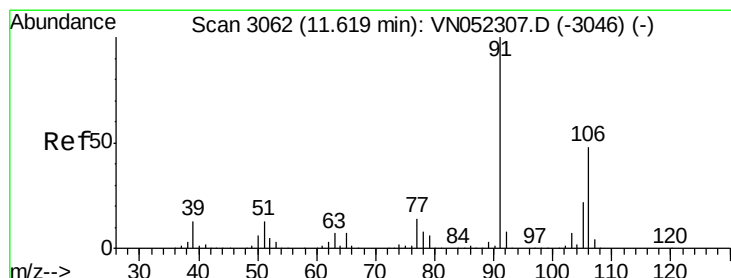
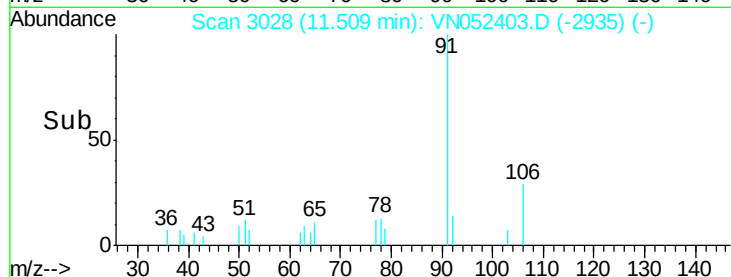
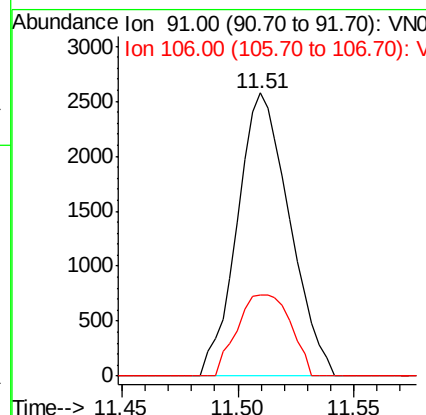
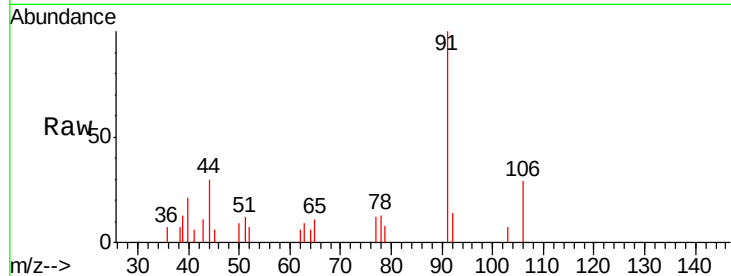




#67
Ethyl Benzene
Concen: 0.27 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

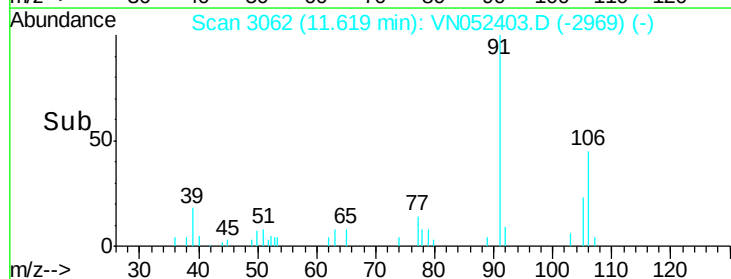
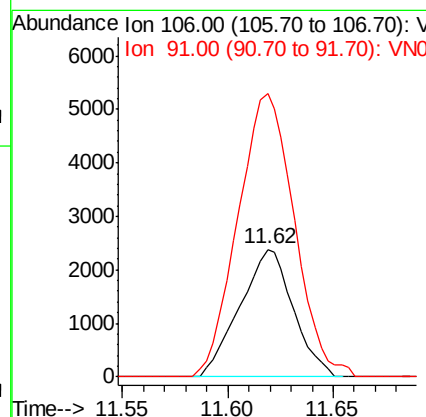
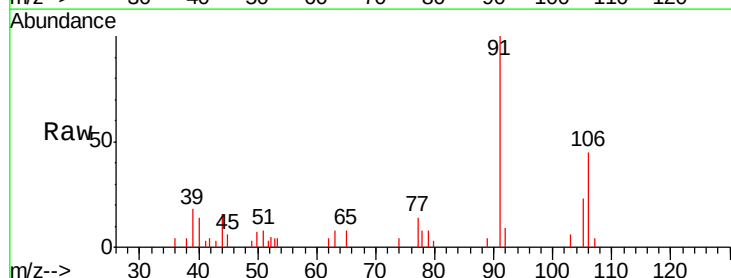
Instrument :
MSVOA_N
ClientSampleId :
AOC2-04

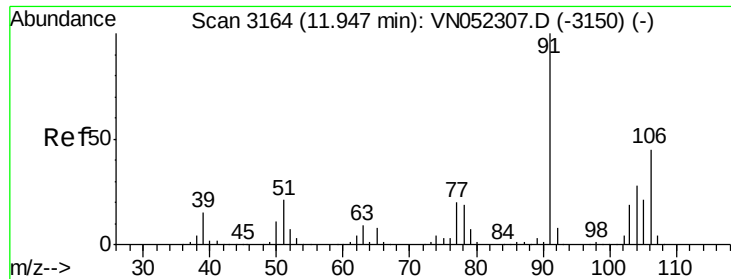
Tgt Ion: 91 Resp: 4030
Ion Ratio Lower Upper
91 100
106 28.8 24.2 36.2



#68
m/p-Xylenes
Concen: 0.77 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion: 106 Resp: 4195
Ion Ratio Lower Upper
106 100
91 234.3 165.5 248.3

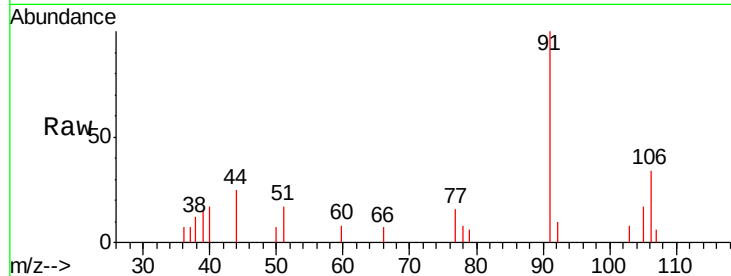




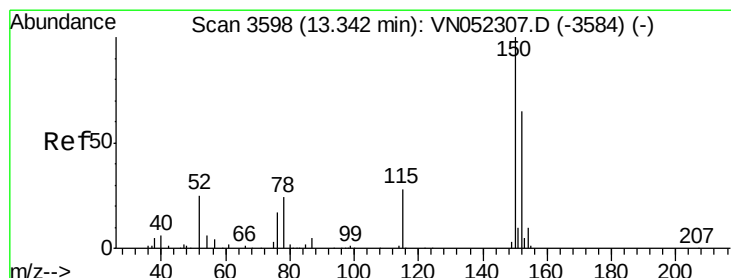
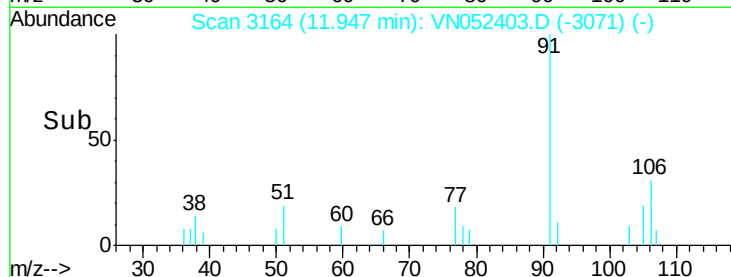
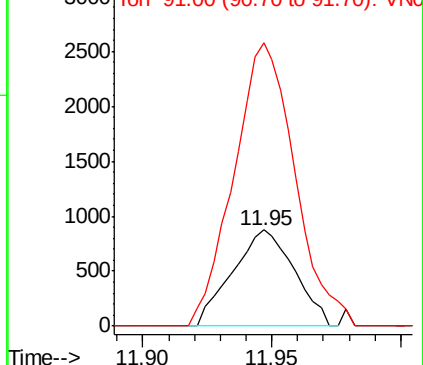
#69
o-Xylene
Concen: 0.28 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
AOC2-04

Tgt Ion:106 Resp: 1455
Ion Ratio Lower Upper
106 100
91 291.9 110.0 330.0

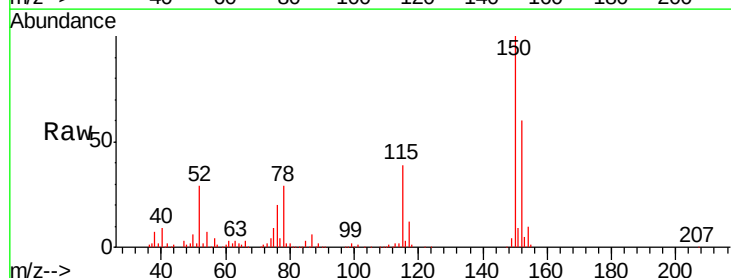


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

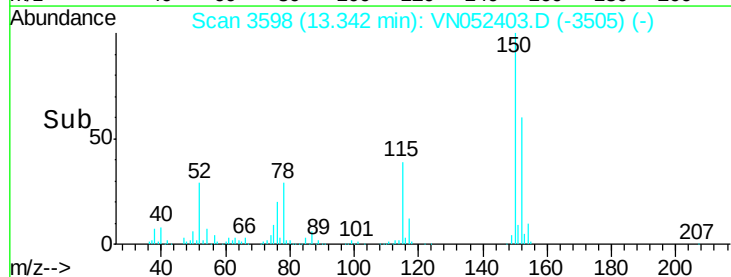
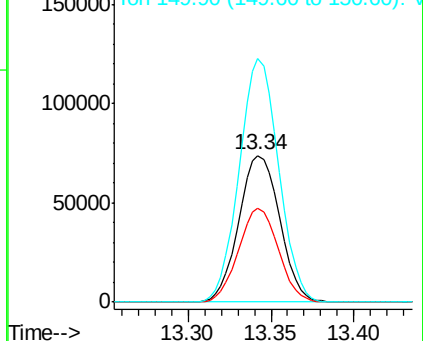


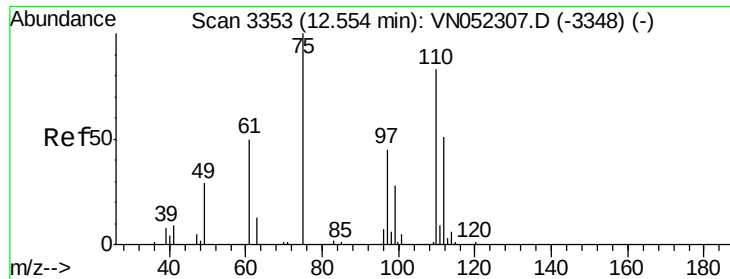
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052403.D
Acq: 20 Nov 2018 13:18

Tgt Ion:152 Resp: 126956
Ion Ratio Lower Upper
152 100
115 62.2 30.3 91.0
150 159.9 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

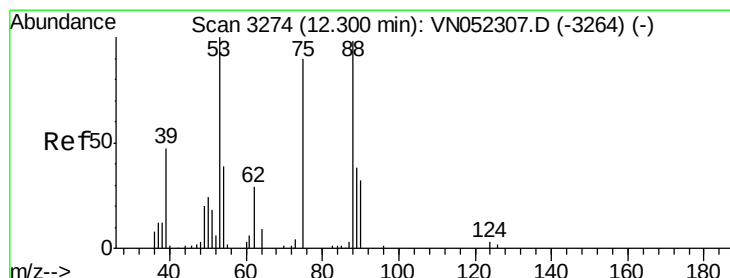
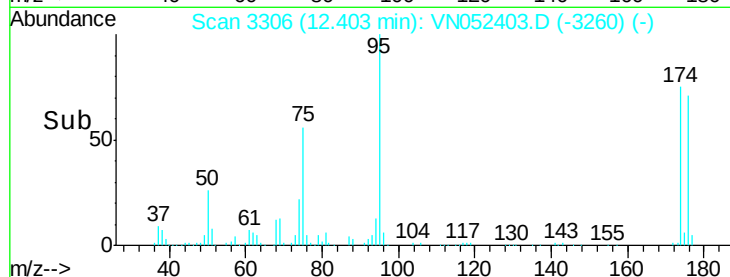
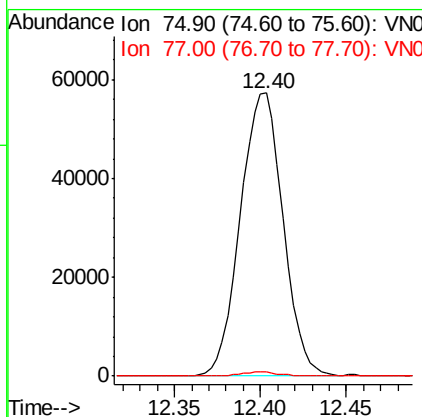
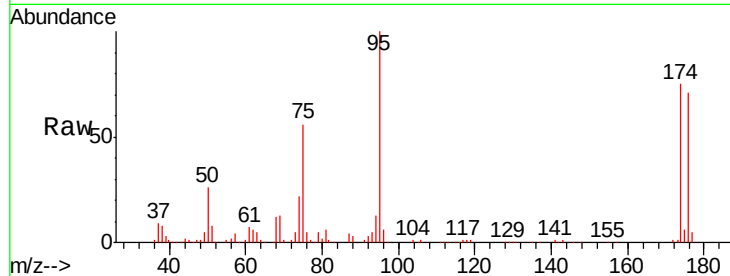




#76
 1,2,3-Trichloropropane
 Concen: 45.91 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

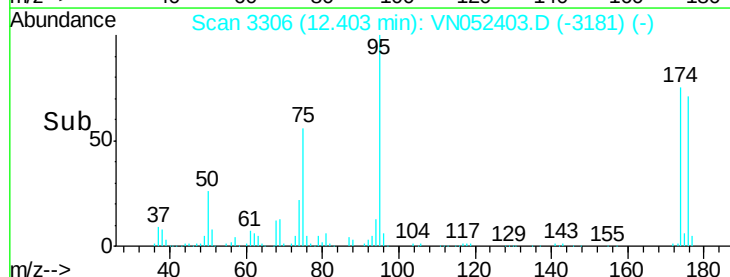
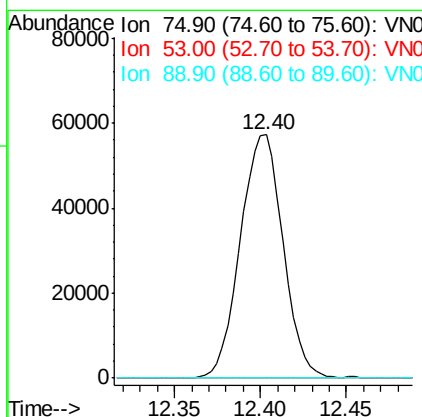
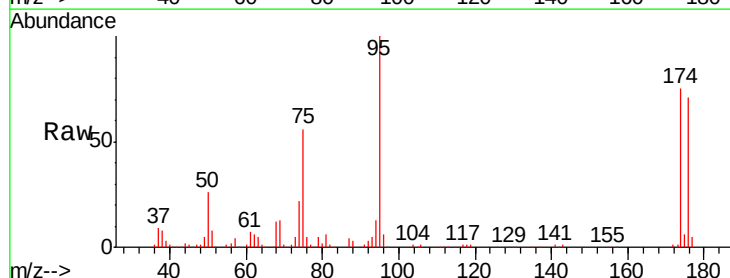
Instrument :
 MSVOA_N
 ClientSampled :
 AOC2-04

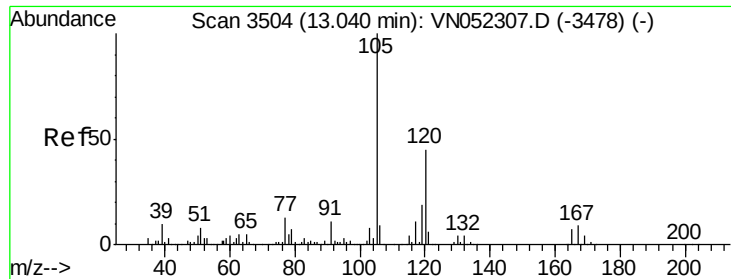
Tgt Ion: 75 Resp: 98899
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.90 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

Tgt Ion: 75 Resp: 98899
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.2 135.2#
 89 0.0 35.4 53.0#

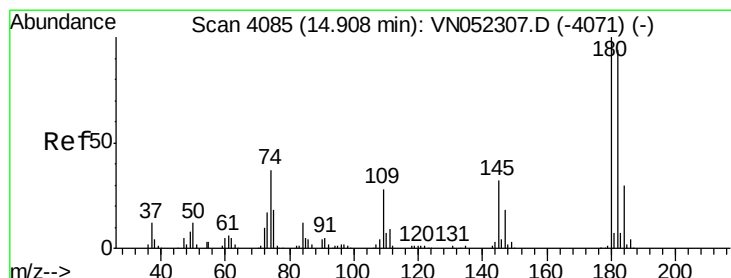
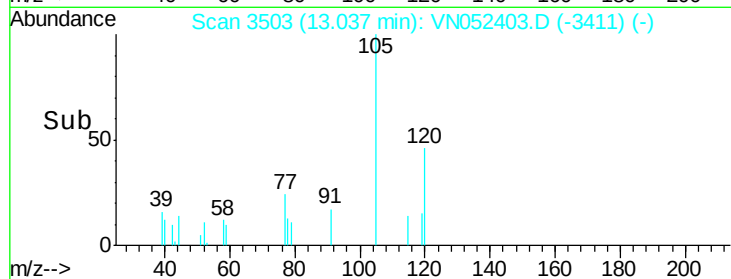
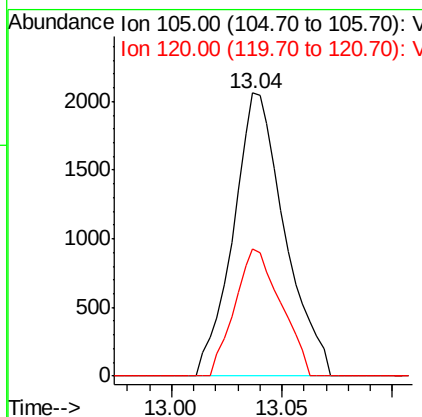
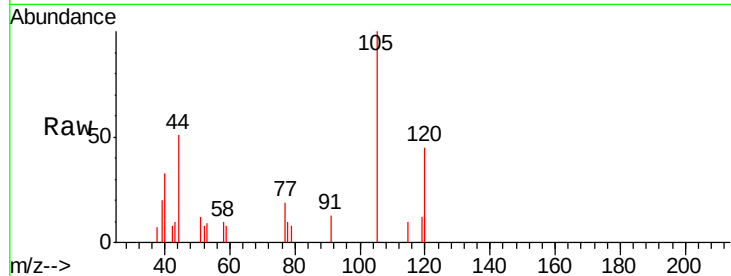




#84
 1,2,4-Trimethylbenzene
 Concen: 0.41 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

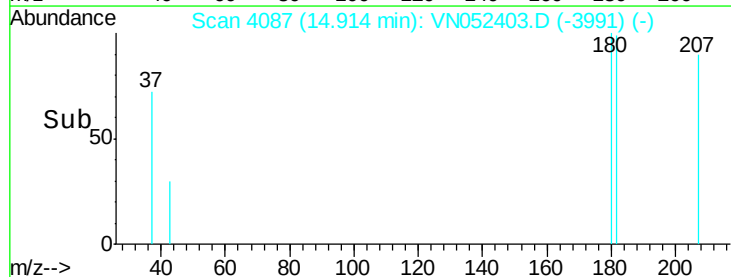
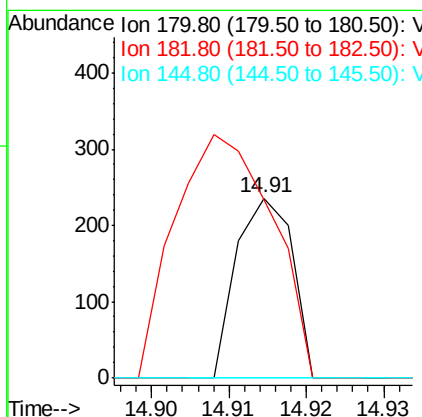
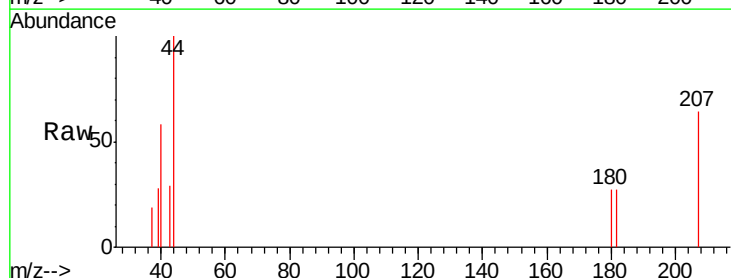
Instrument :
 MSVOA_N
 ClientSampled :
 AOC2-04

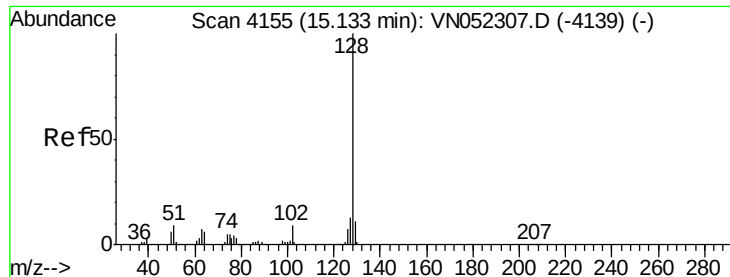
Tgt Ion:105 Resp: 3335
 Ion Ratio Lower Upper
 105 100
 120 40.1 22.5 67.5



#93
 1,2,4-Trichlorobenzene
 Concen: 2.32 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN052403.D
 Acq: 20 Nov 2018 13:18

Tgt Ion:180 Resp: 119
 Ion Ratio Lower Upper
 180 100
 182 234.5 47.6 142.9#
 145 0.0 15.5 46.5#





#95

Naphthalene

Concen: 2.95 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052403.D

Acq: 20 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

AOC2-04

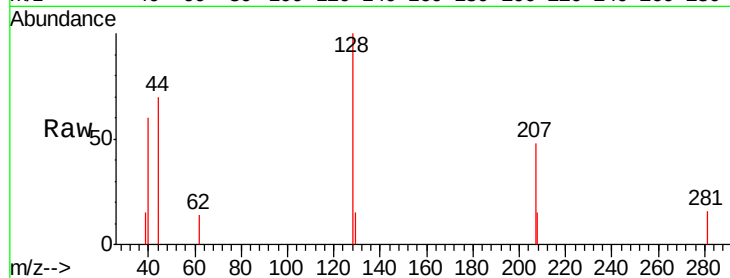
Tgt Ion:128 Resp: 1624

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 4.0 8.6 13.0#



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

