

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052423.D
 Acq On : 20 Nov 2018 22:12
 Operator : MD\SY
 Sample : J6000-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

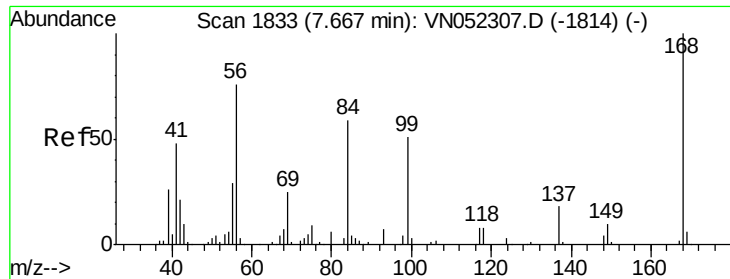
Quant Time: Nov 20 23:59:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	300448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	503098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	434192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	157141	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	228052	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
35) Dibromofluoromethane	7.59	113	169844	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	10.09	98	642848	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	193007	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.62	56	30	21.851	ug/l #	14
16) Acetone	3.82	43	5931	5.076	ug/l #	89
18) Methyl Acetate	4.34	43	430	0.562	ug/l #	77
20) Methylene Chloride	4.56	84	153493	43.086	ug/l	97
29) Tetrahydrofuran	7.22	42	261	0.242	ug/l #	40
31) Cyclohexane	7.66	56	9261	0.383	ug/l #	26
36) 1,1-Dichloropropene	7.67	75	28697	5.691	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33520	7.235	ug/l #	16
41) Methacrylonitrile	7.17	41	30	3.709	ug/l #	100
43) Isopropyl Acetate	8.17	43	21830	3.091	ug/l #	94
45) 1,2-Dichloropropane	9.27	63	901	0.220	ug/l #	44
48) Methyl methacrylate	9.18	41	6102	1.703	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	6071	1.708	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	31404	5.624	ug/l #	73
57) 1,3-Dichloropropane	10.77	76	6342	1.146	ug/l #	43
59) 2-Hexanone	10.76	43	123242	50.405	ug/l #	54
74) N-amyl acetate	11.88	43	11959	2.658	ug/l #	55
76) 1,2,3-Trichloropropane	12.40	75	113033	42.392	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	3336	0.332	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	113033	137.493	ug/l #	5
95) Naphthalene	15.13	128	1893	2.927	ug/l #	71

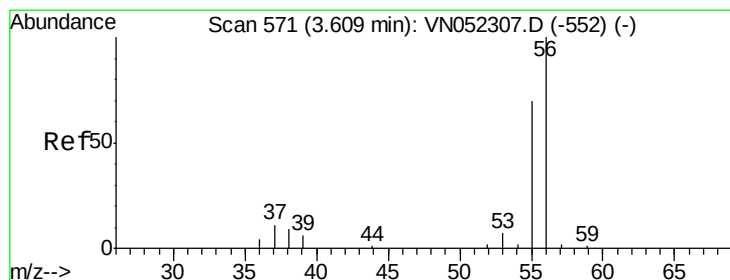
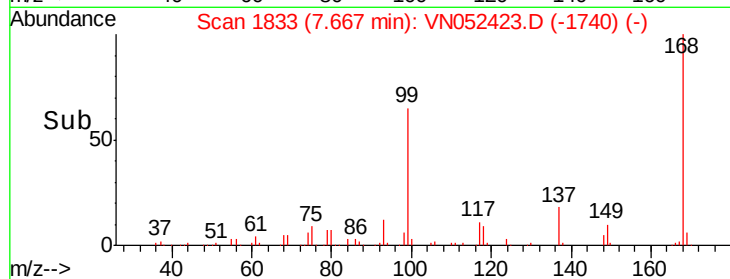
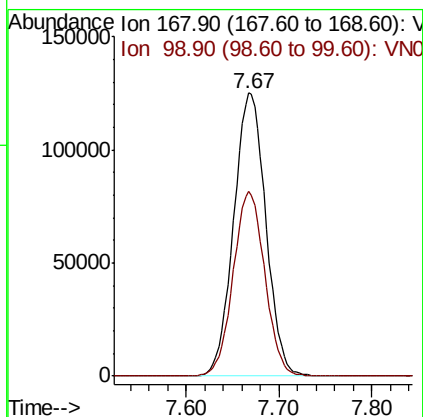
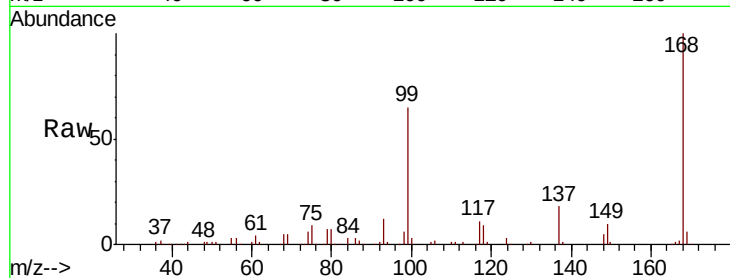
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

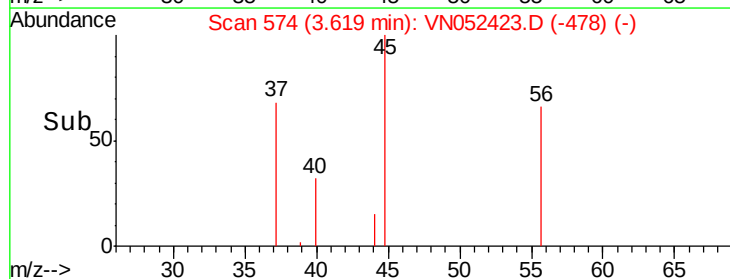
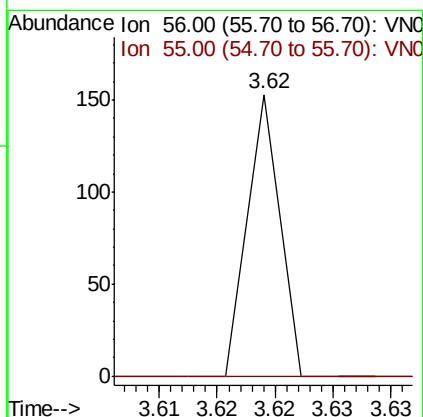
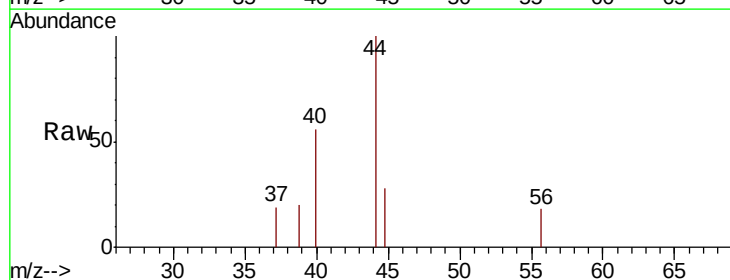
Instrument :
MSVOA_N
ClientSampled :

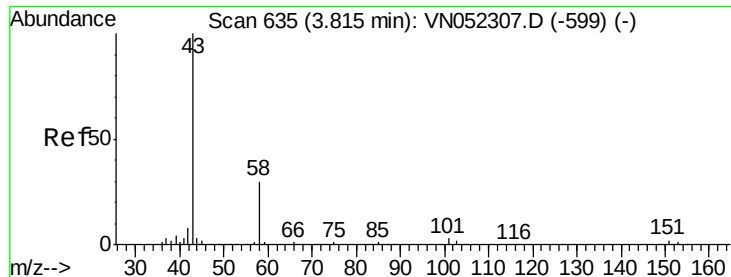
Tot Ion:168 Resp: 300448
Ion Ratio Lower Upper
168 100
99 65.3 47.9 71.9



#13
Acrolein
Concen: 21.851 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#





#16

Acetone

Concen: 5.076 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

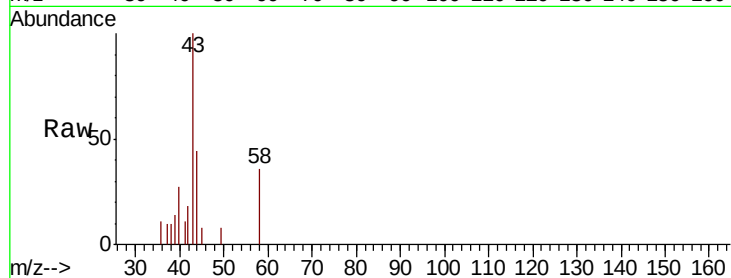
ClientSampled :

Tot Ion: 43 Resp: 5931

Ion Ratio Lower Upper

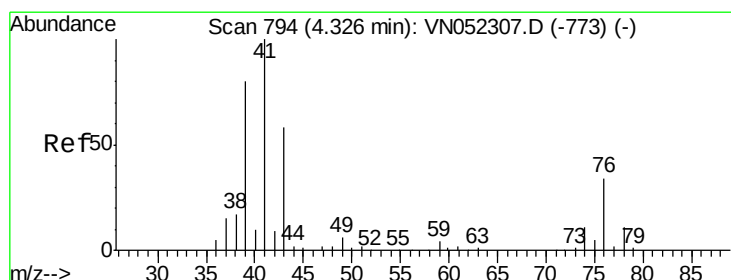
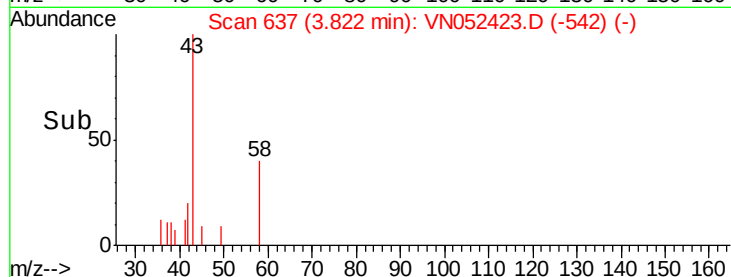
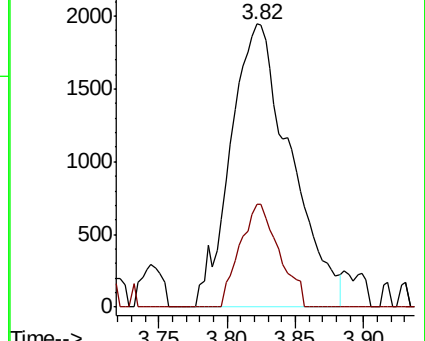
43 100

58 36.4 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: 0.562 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN052423.D

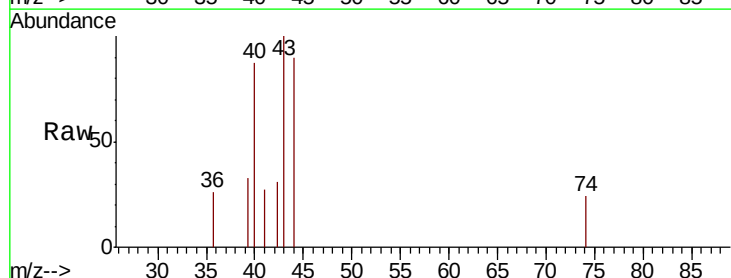
Acq: 20 Nov 2018 22:12

Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

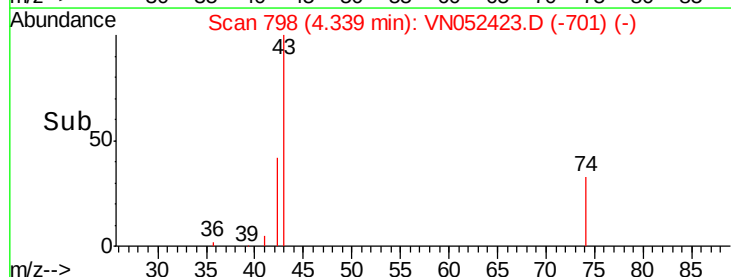
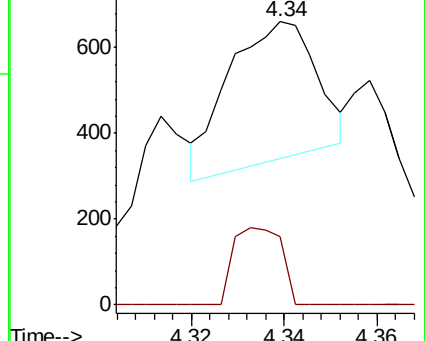
43 100

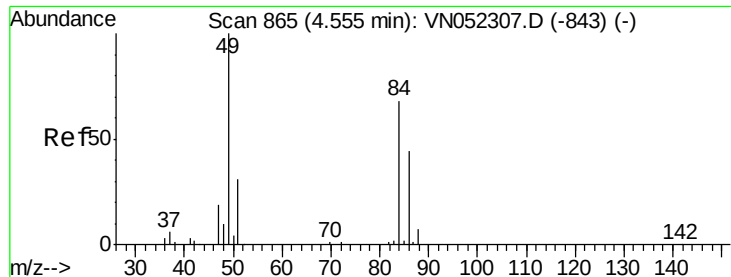
74 30.2 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

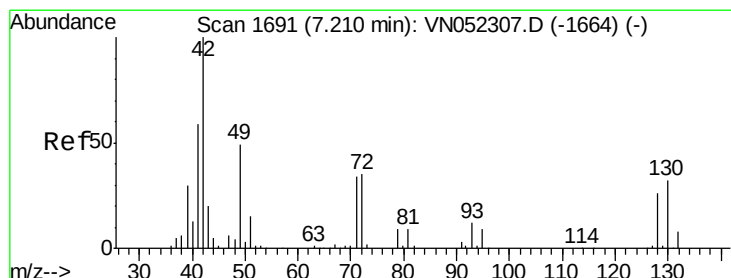
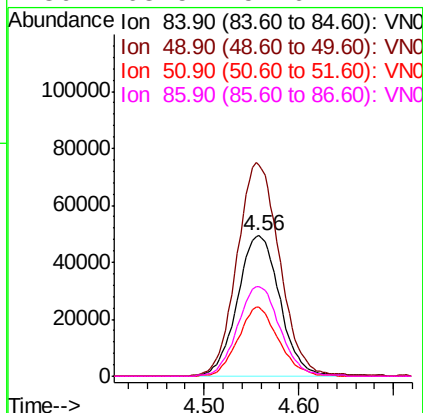
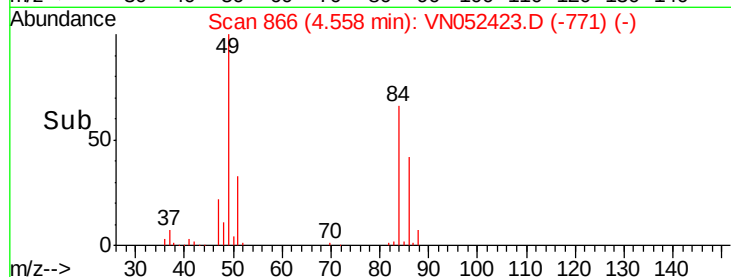
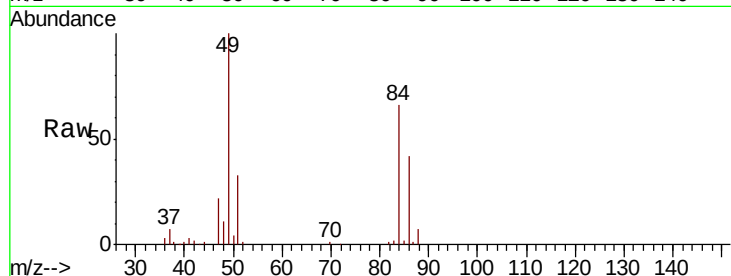




#20
Methylene Chloride
Concen: 43.086 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

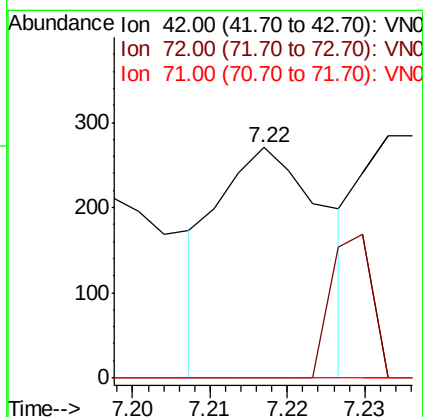
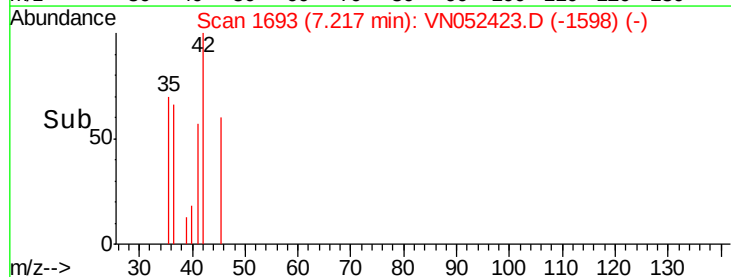
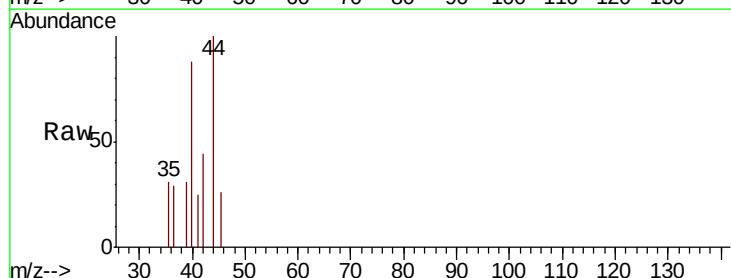
Instrument :
MSVOA_N
ClientSampled :

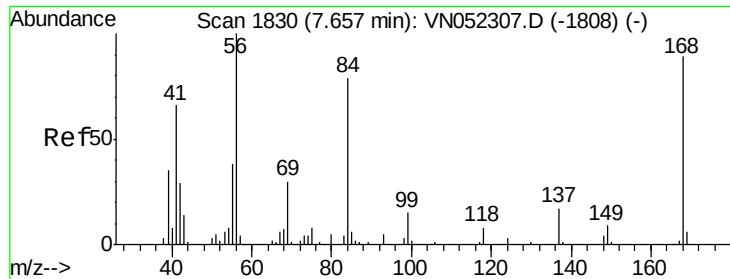
Tot Ion: 84 Resp: 153493
Ion Ratio Lower Upper
84 100
49 150.6 118.2 177.2
51 49.0 36.1 54.1
86 63.5 51.6 77.4



#29
Tetrahydrofuran
Concen: 0.242 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion: 42 Resp: 261
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#

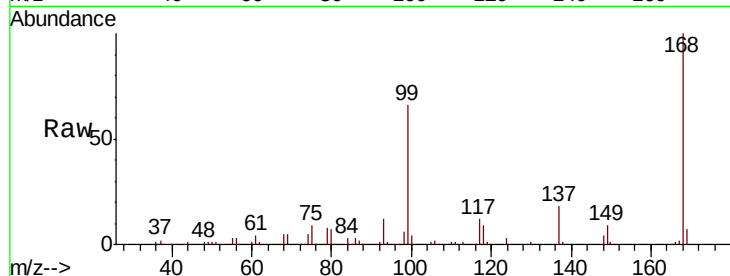




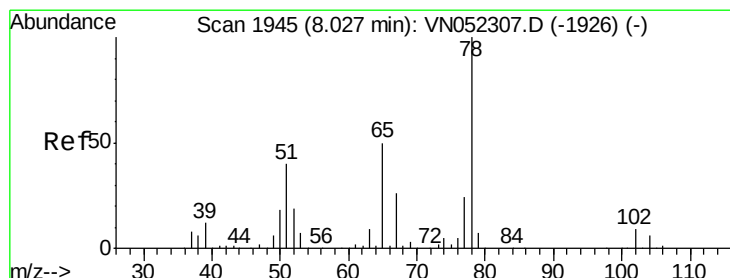
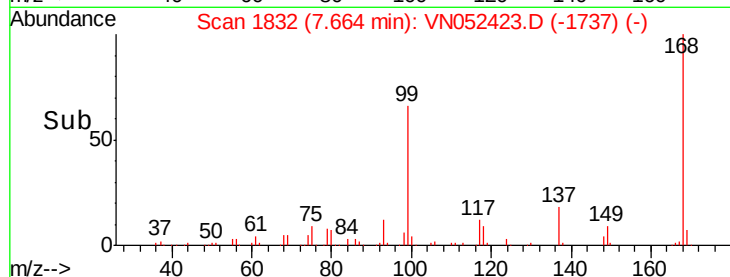
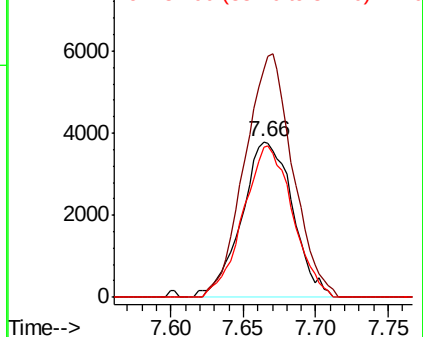
#31
Cyclohexane
Concen: 0.383 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9261
Ion Ratio Lower Upper
56 100
69 147.0 23.8 35.8#
84 96.7 63.0 94.6#

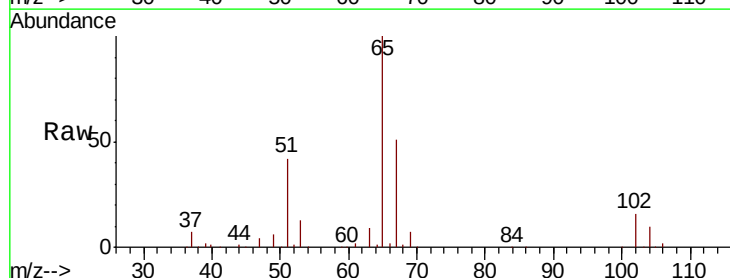


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

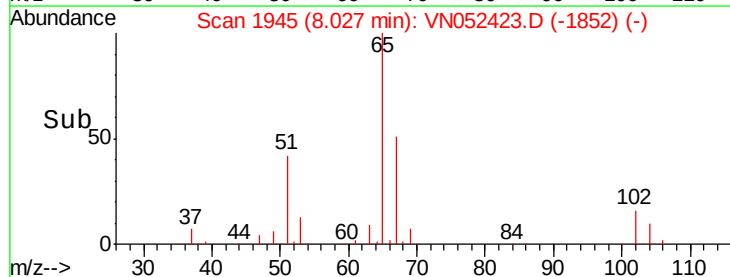
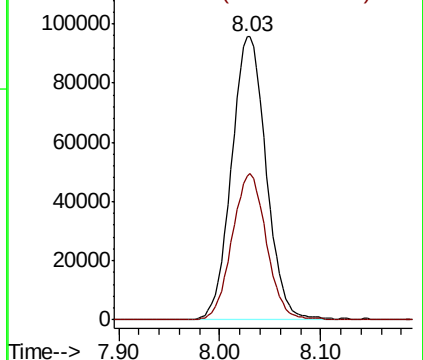


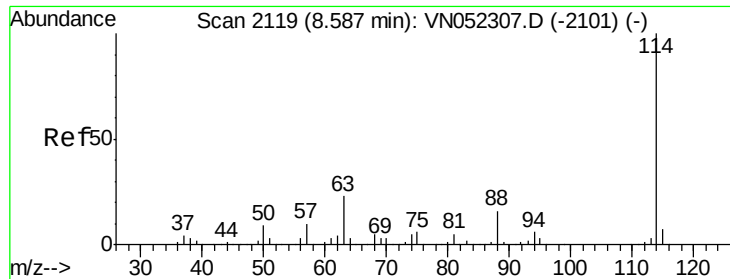
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion: 65 Resp: 228052
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.2



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

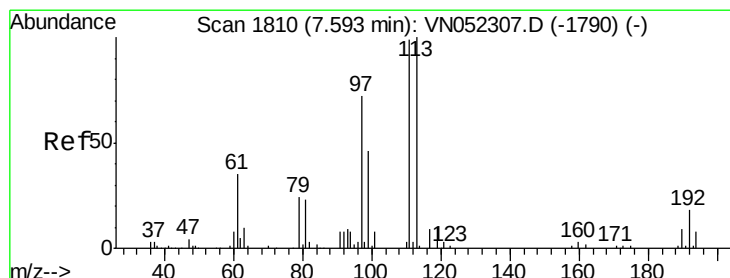
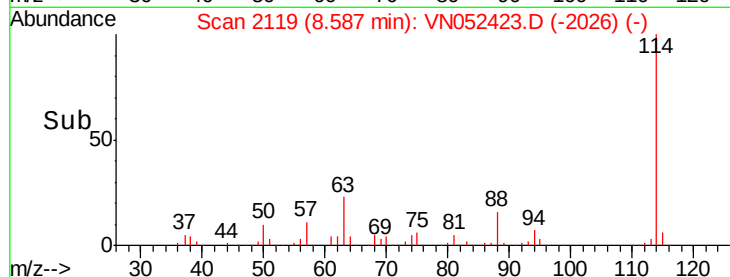
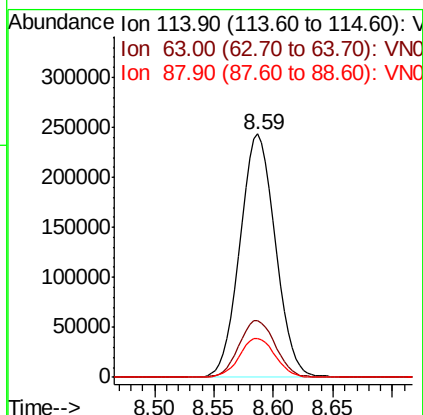
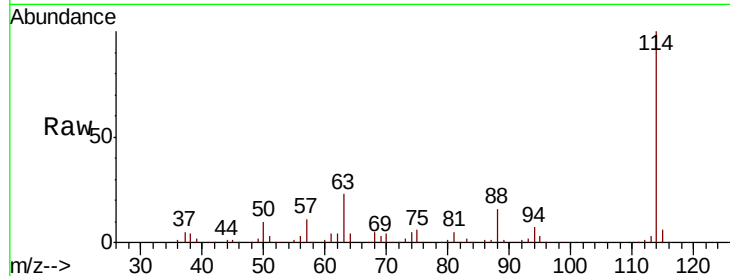




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052423.D
 Acq: 20 Nov 2018 22:12

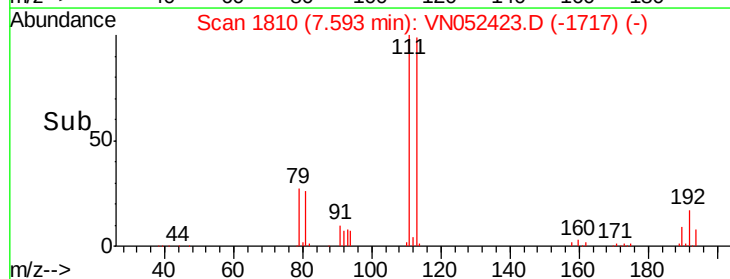
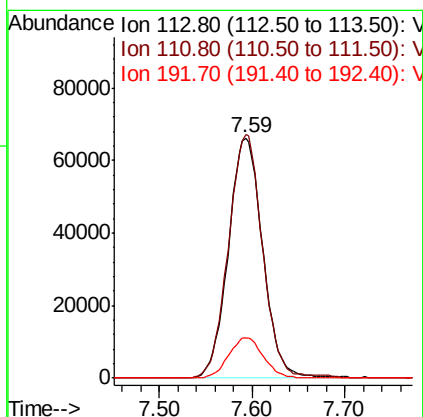
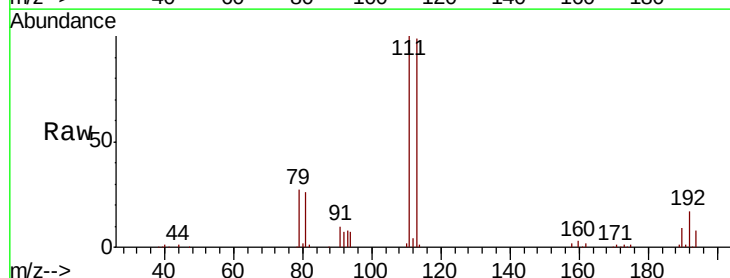
Instrument :
 MSVOA_N
 ClientSampleId :

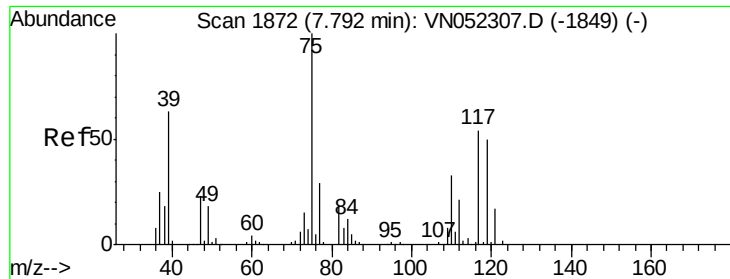
Tot Ion:114 Resp: 503098
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 15.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052423.D
 Acq: 20 Nov 2018 22:12

Tgt Ion:113 Resp: 169844
 Ion Ratio Lower Upper
 113 100
 111 100.6 81.0 121.6
 192 16.9 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.691 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

ClientSampleId :

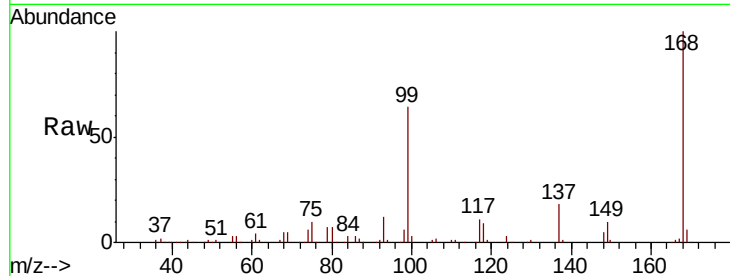
Tot Ion: 75 Resp: 28697

Ion Ratio Lower Upper

75 100

110 9.7 16.5 49.5#

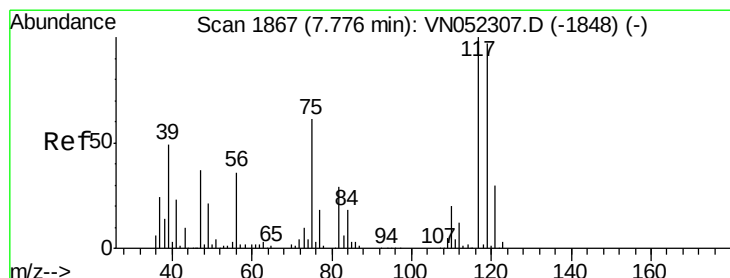
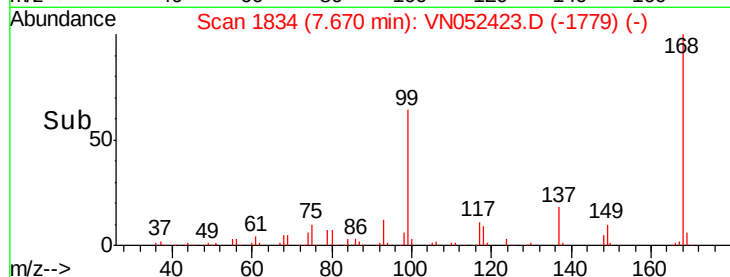
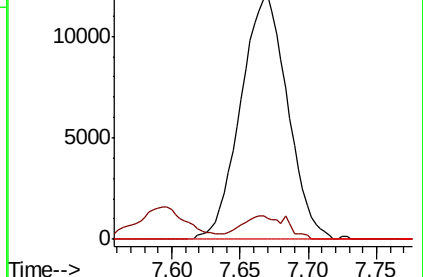
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN052307.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 7.235 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

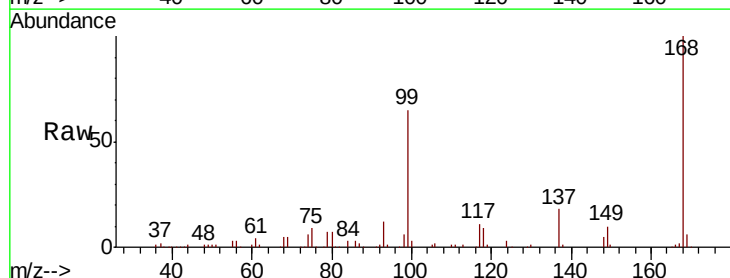
Tgt Ion: 117 Resp: 33520

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.0#

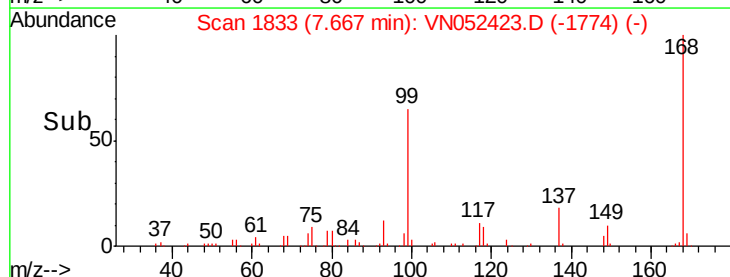
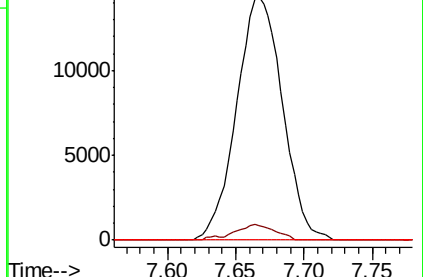
121 0.0 24.0 36.0#

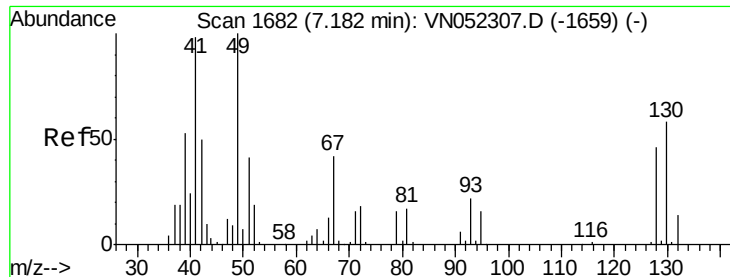


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)

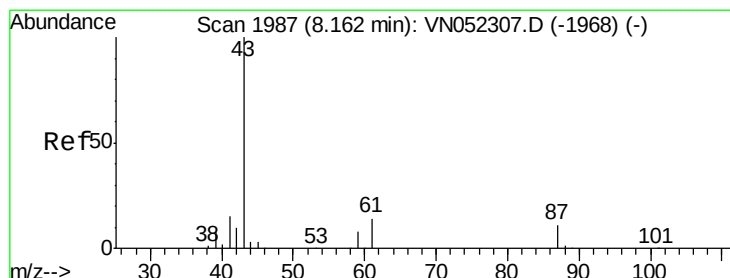
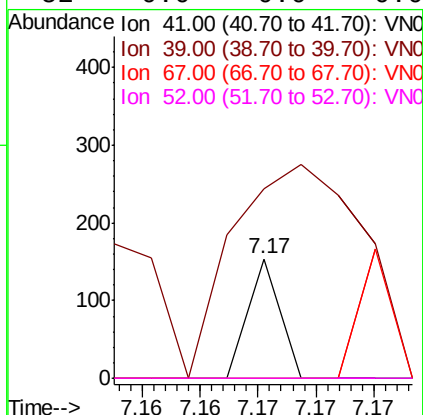
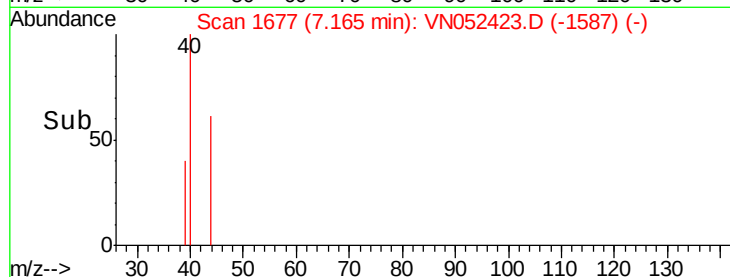
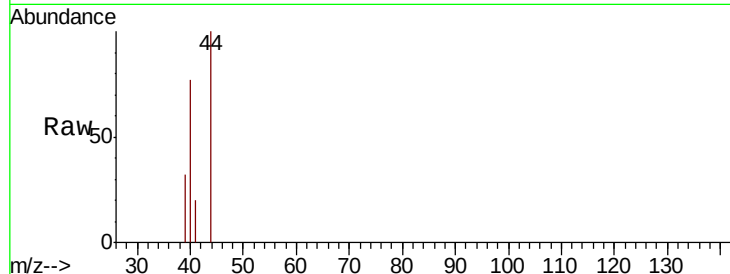




#41
Methacrylonitrile
Concen: 3.709 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

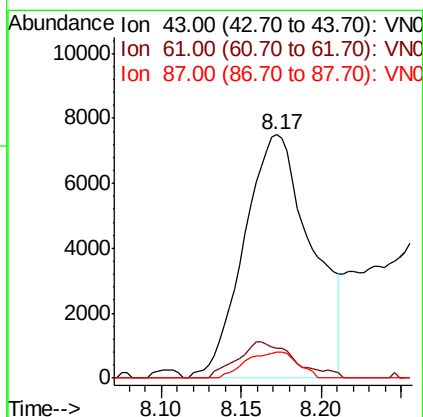
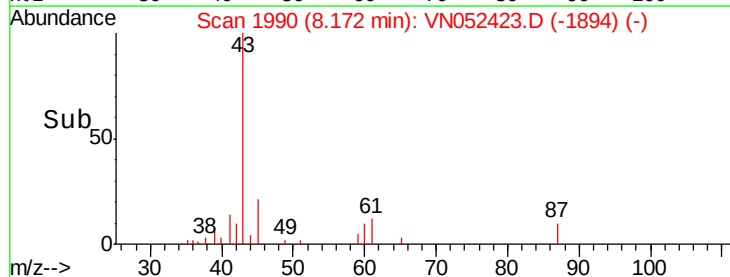
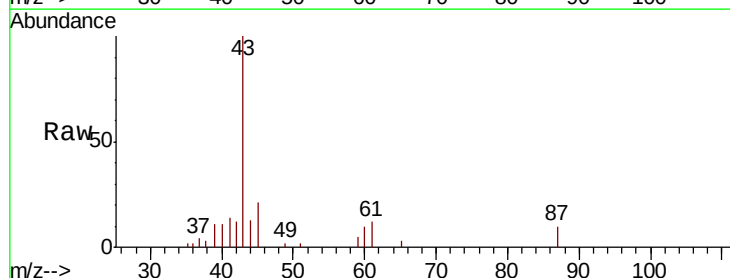
Instrument :
MSVOA_N
ClientSampled :

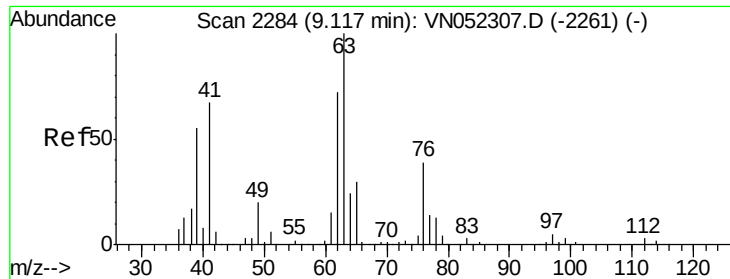
Tot Ion:	41	Resp:	30
Ion	Ratio	Lower	Upper
41	100		
39	716.7	0.0	0.0#
67	106.7	0.0	0.0#
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 3.091 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion:	43	Resp:	21830
Ion	Ratio	Lower	Upper
43	100		
61	12.5	12.0	18.0
87	8.0	8.3	12.5#

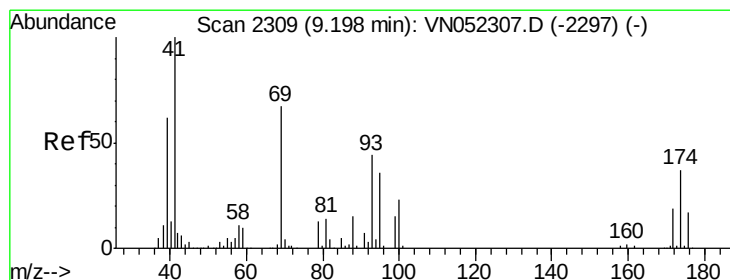
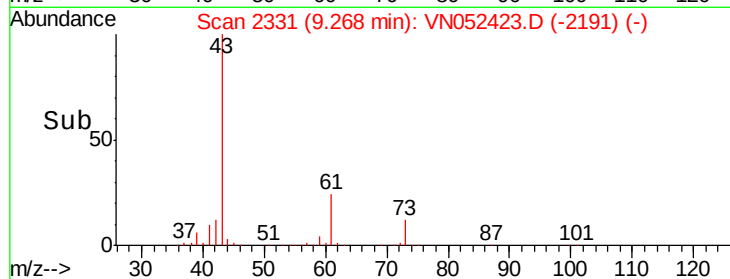
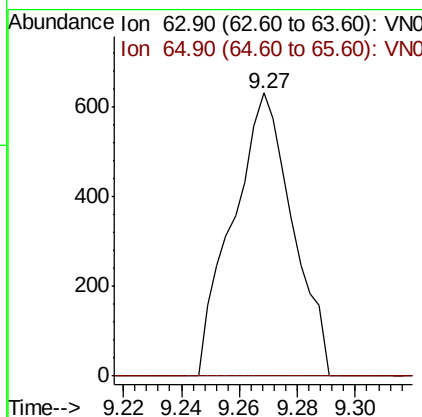
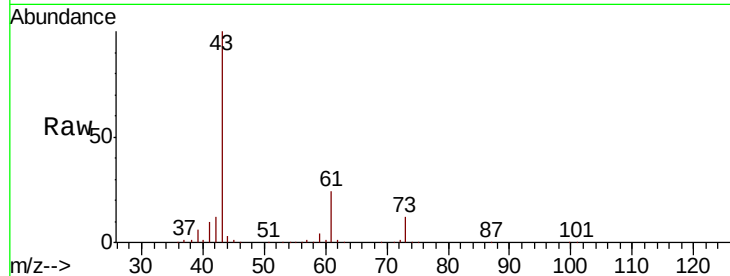




#45
 1,2-Dichloropropane
 Concen: 0.220 ug/l
 RT: 9.27 min Scan# 2331
 Delta R.T. 0.15 min
 Lab File: VN052423.D
 Acq: 20 Nov 2018 22:12

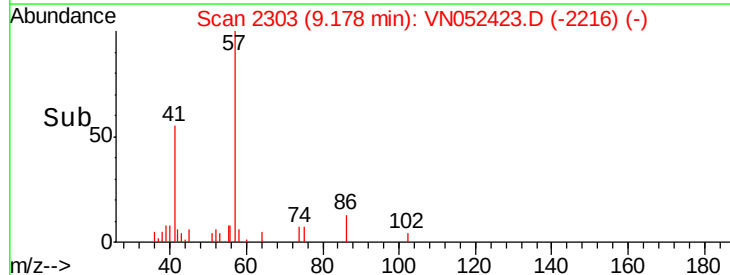
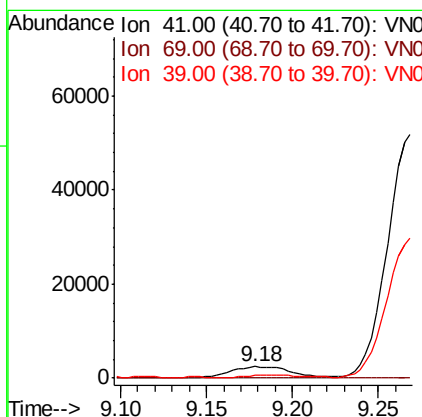
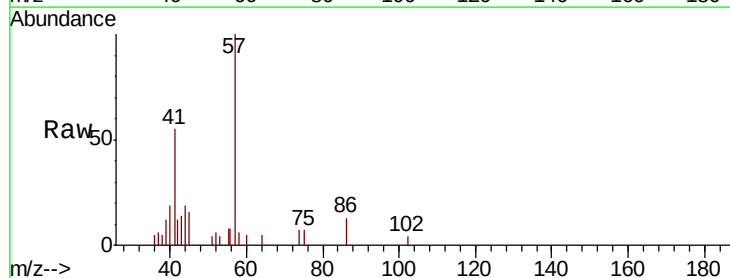
Instrument :
 MSVOA_N
 ClientSampled :

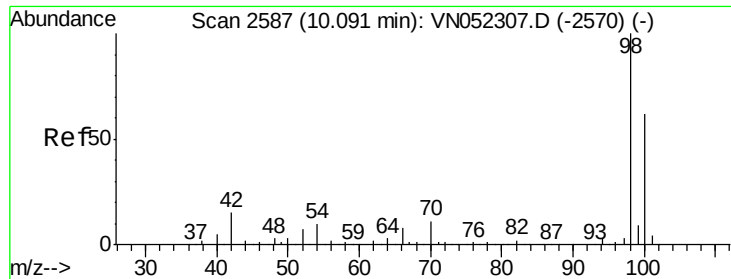
Tot Ion: 63 Resp: 901
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.703 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052423.D
 Acq: 20 Nov 2018 22:12

Tgt Ion: 41 Resp: 6102
 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: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

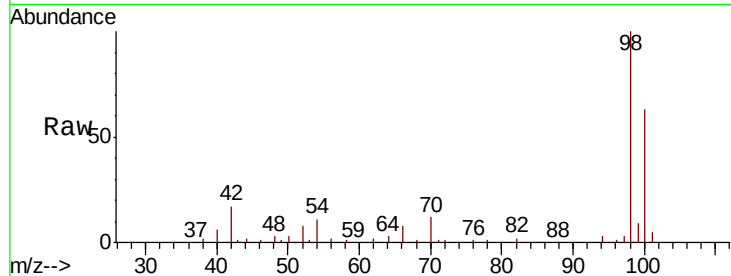
ClientSampleId :

Tot Ion: 98 Resp: 642848

Ion Ratio Lower Upper

98 100

100 61.9 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

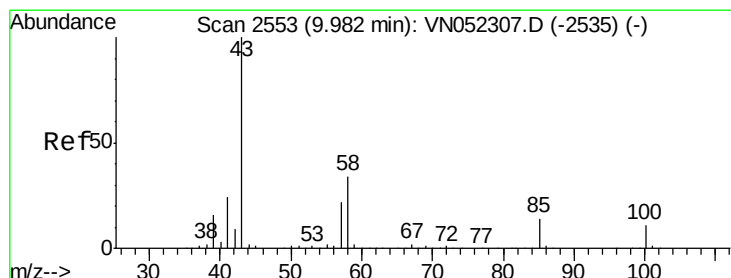
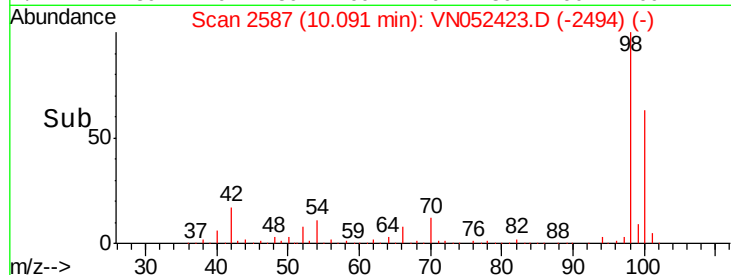
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.708 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052423.D

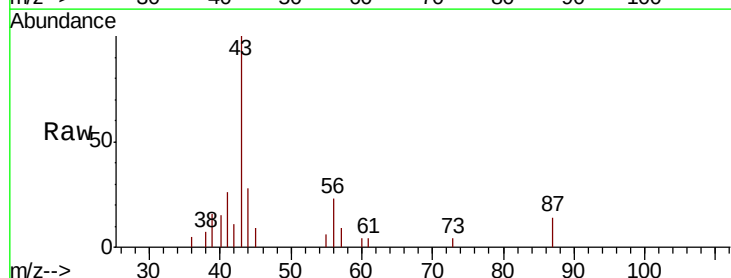
Acq: 20 Nov 2018 22:12

Tgt Ion: 43 Resp: 6071

Ion Ratio Lower Upper

43 100

58 0.0 27.0 40.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN052307.D (-2535) (-)

10.02

4000

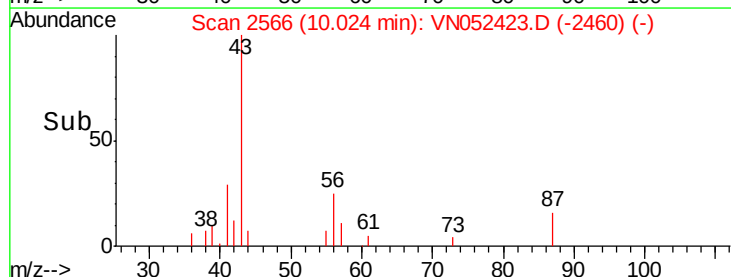
3000

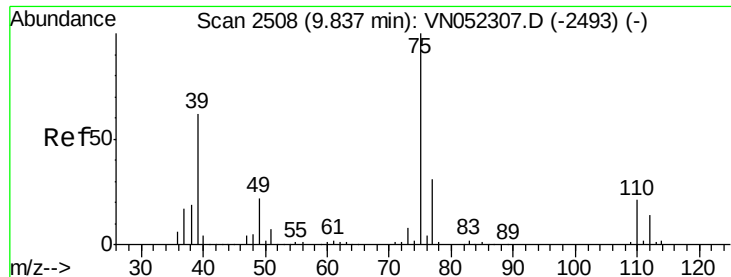
2000

1000

0

Time-->





#54

cis-1,3-Dichloropropene

Concen: 5.624 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

ClientSampled :

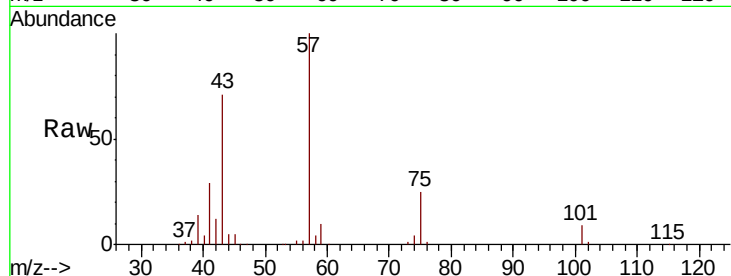
Tot Ion: 75 Resp: 31404

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

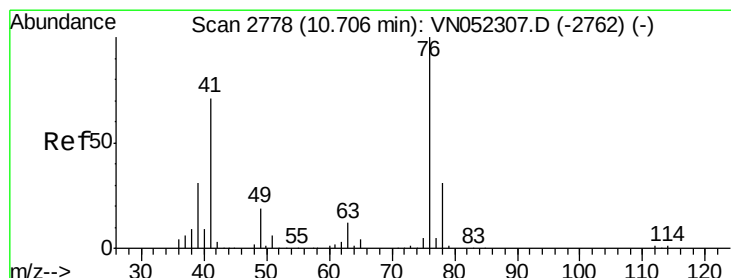
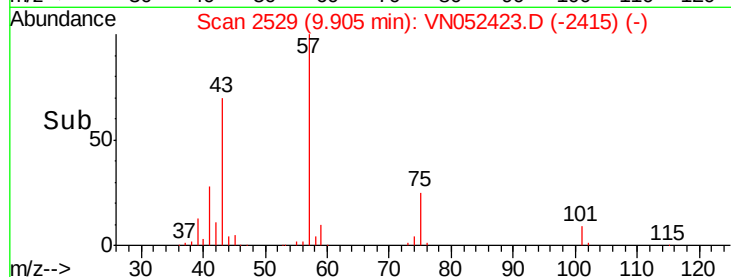
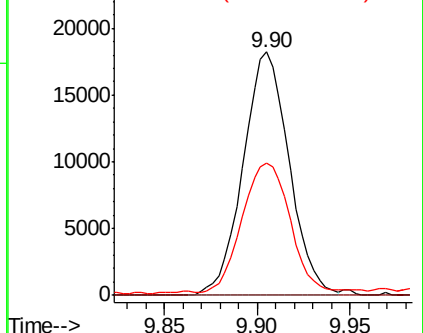
39 52.7 49.9 74.9



Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-2493) (-)

Ion 76.90 (76.60 to 77.60): VN052307.D (-2493) (-)

Ion 39.00 (38.70 to 39.70): VN052307.D (-2493) (-)



#57

1,3-Dichloropropane

Concen: 1.146 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN052423.D

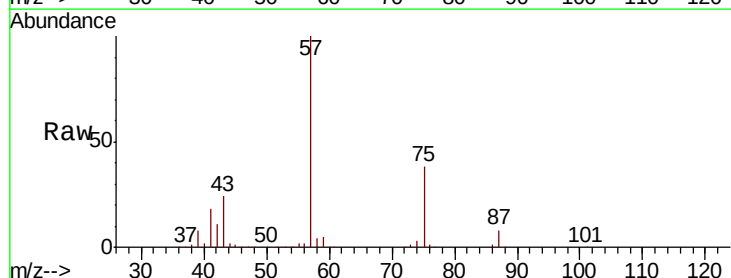
Acq: 20 Nov 2018 22:12

Tgt Ion: 76 Resp: 6342

Ion Ratio Lower Upper

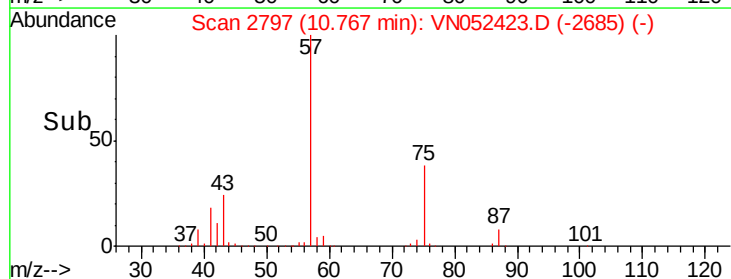
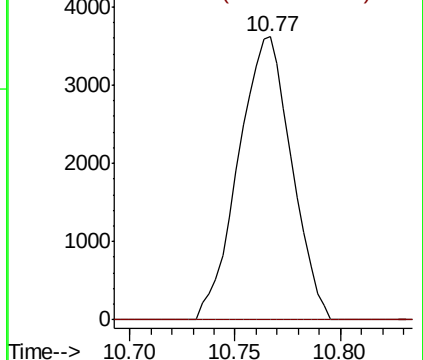
76 100

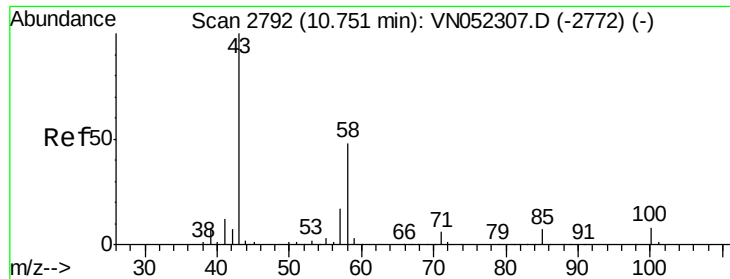
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN052307.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN052307.D (-2762) (-)

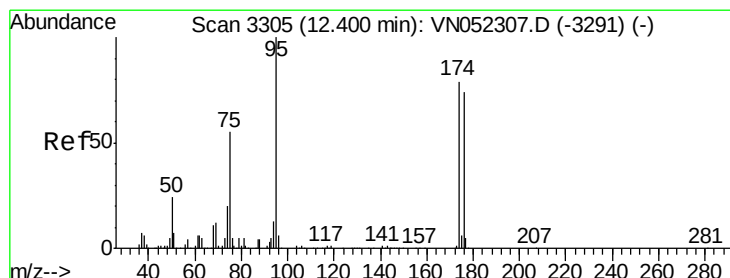
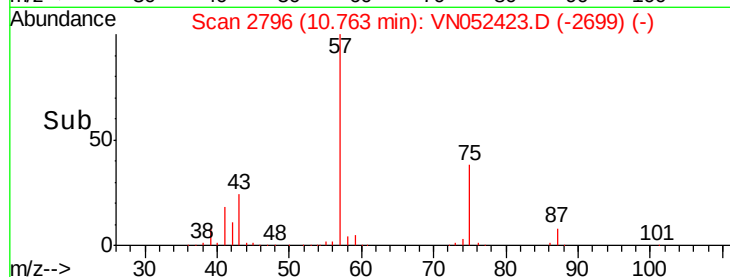
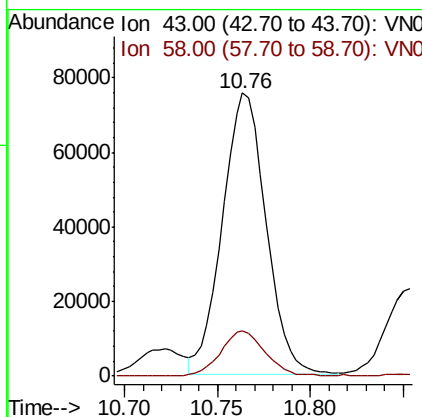
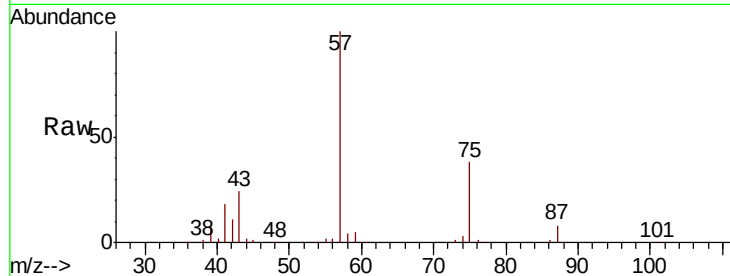




#59
2-Hexanone
Concen: 50.405 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

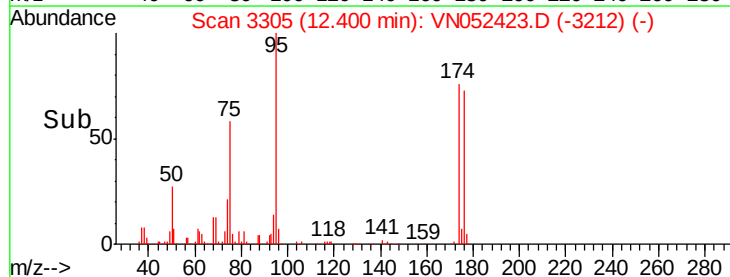
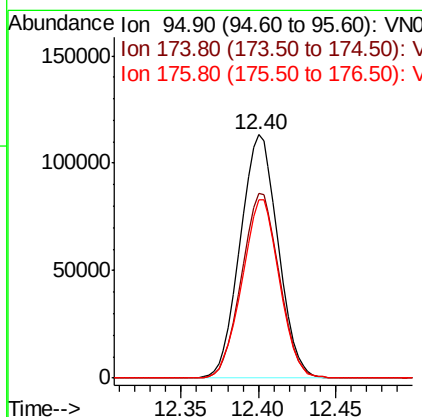
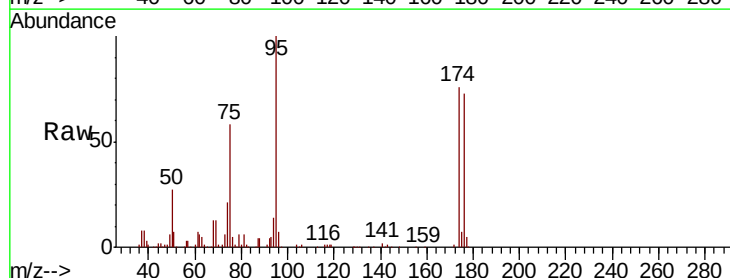
Instrument :
MSVOA_N
ClientSampled :

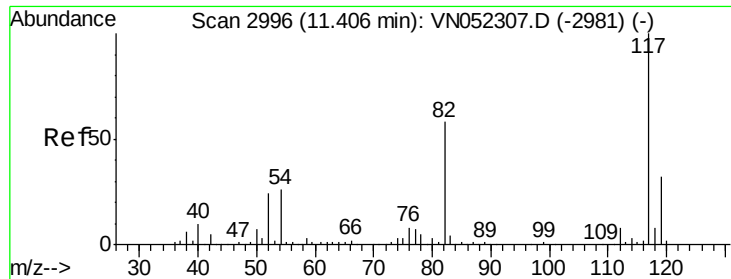
Tot Ion: 43 Resp: 123242
Ion Ratio Lower Upper
43 100
58 16.4 23.5 70.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion: 95 Resp: 193007
Ion Ratio Lower Upper
95 100
174 75.5 0.0 156.0
176 72.5 0.0 148.4

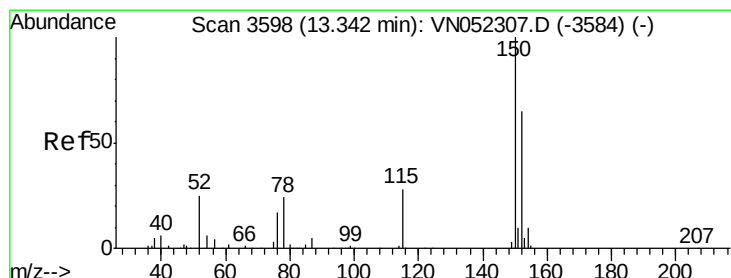
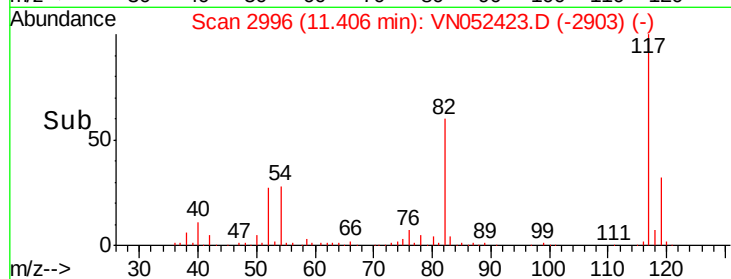
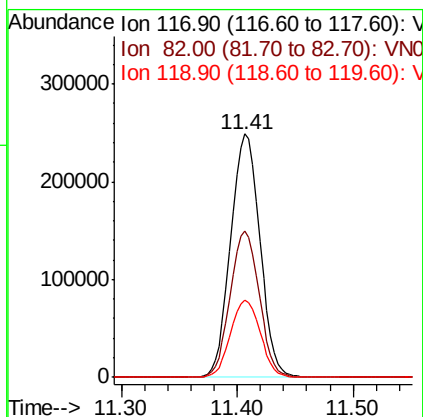
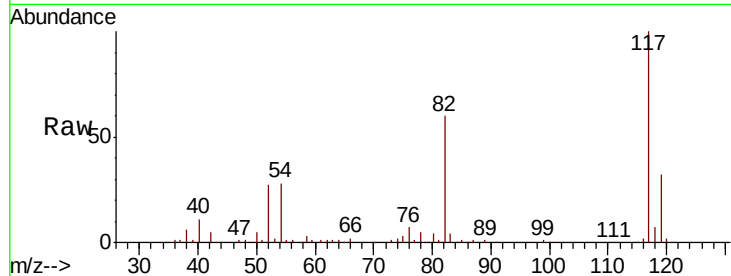




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

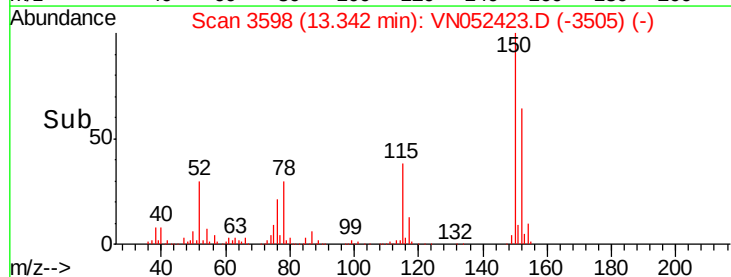
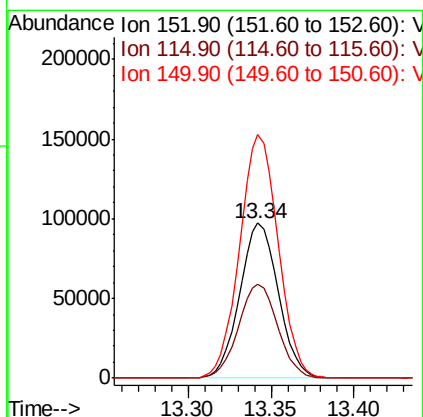
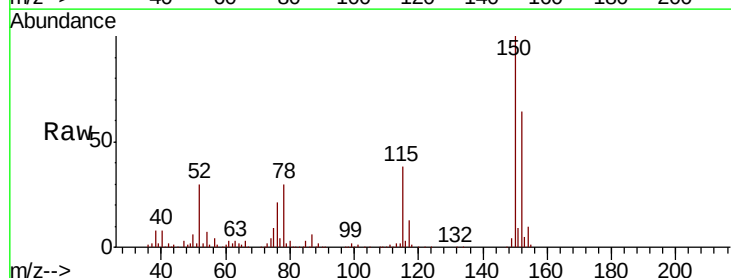
Instrument :
MSVOA_N
ClientSampled :

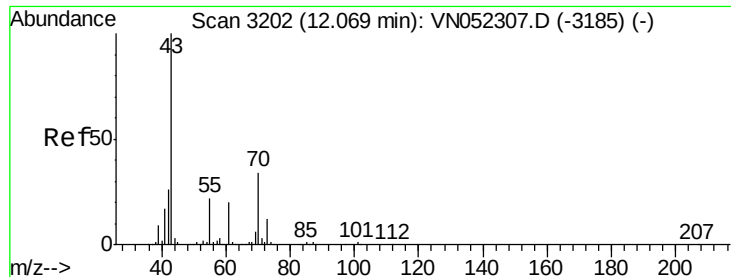
Tot Ion:117 Resp: 434192
Ion Ratio Lower Upper
117 100
82 60.1 46.5 69.7
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion:152 Resp: 157141
Ion Ratio Lower Upper
152 100
115 61.4 30.3 91.0
150 156.7 0.0 348.2

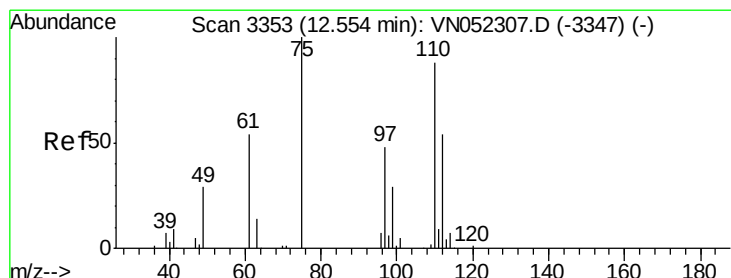
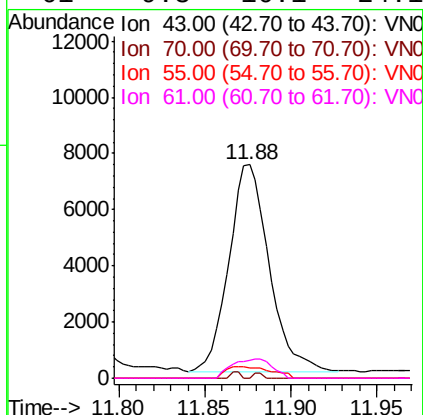
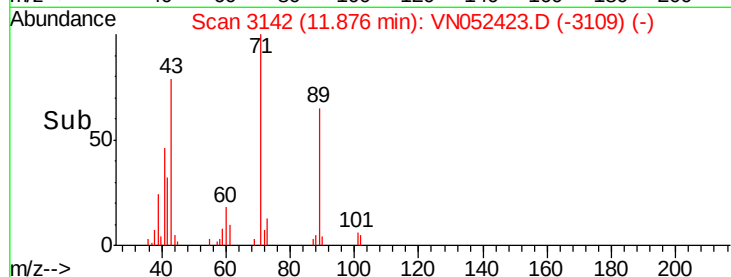
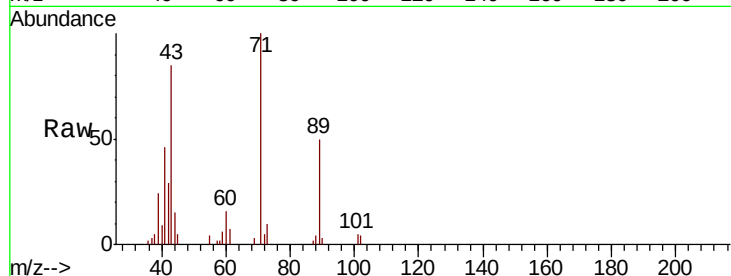




#74
N-amyl acetate
Concen: 2.658 ug/l
RT: 11.88 min Scan# 3142
Delta R.T. -0.19 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

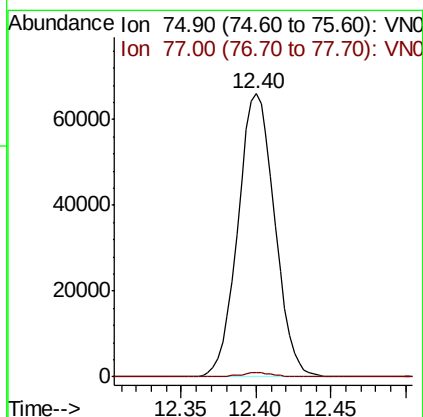
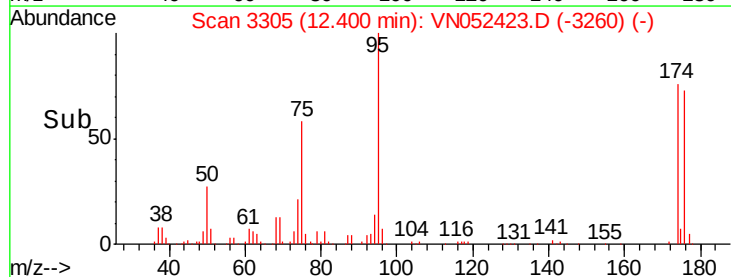
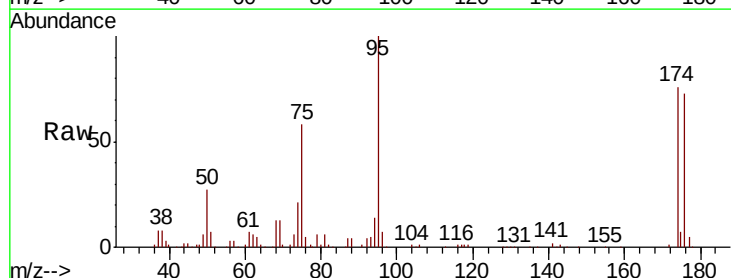
Instrument :
MSVOA_N
ClientSampleId :

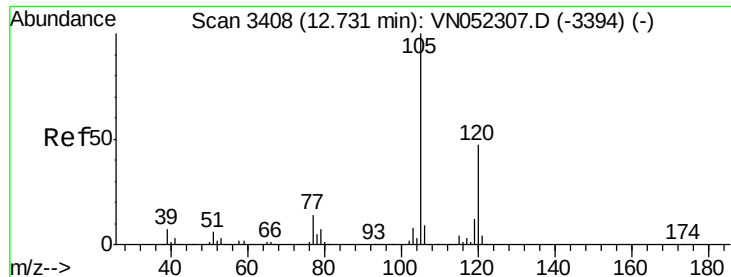
Tot Ion:	43	Resp:	11959
Ion	Ratio	Lower	Upper
43	100		
70	0.6	27.1	40.7#
55	0.0	17.4	26.0#
61	9.3	16.1	24.1#



#76
1,2,3-Trichloropropane
Concen: 42.392 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052423.D
Acq: 20 Nov 2018 22:12

Tgt Ion:	75	Resp:	113033
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#80

1,3,5-Trimethylbenzene

Concen: 0.332 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

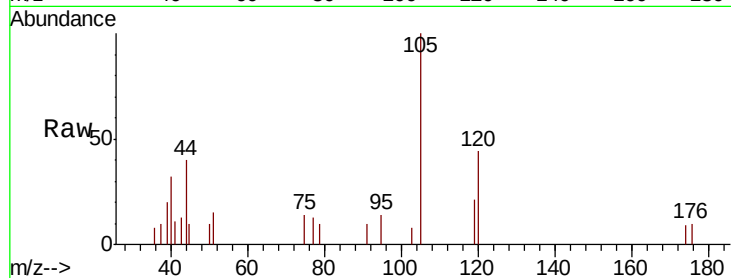
ClientSampled :

Tot Ion:105 Resp: 3336

Ion Ratio Lower Upper

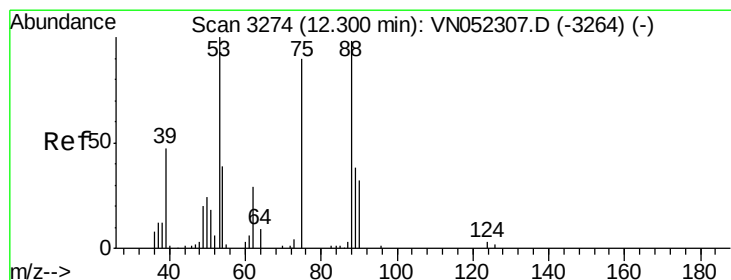
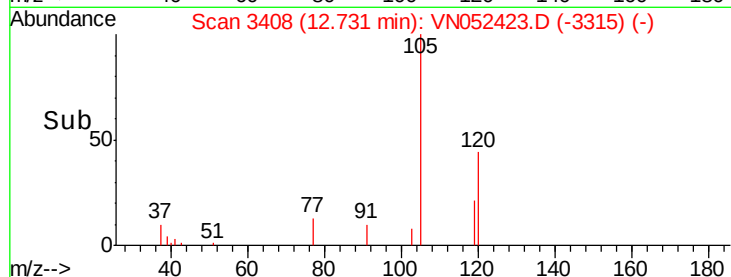
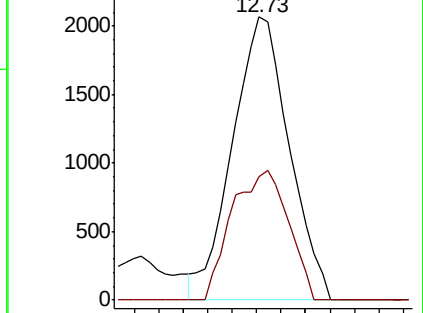
105 100

120 45.9 23.7 71.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 137.493 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

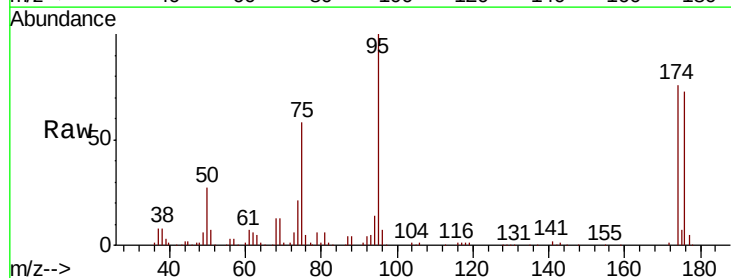
Tgt Ion: 75 Resp: 113033

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

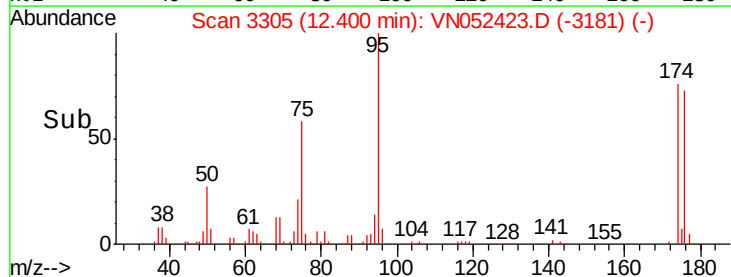
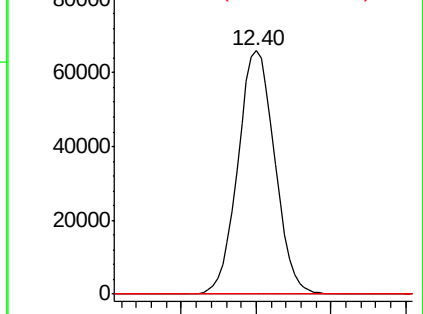
89 0.0 35.4 53.0#

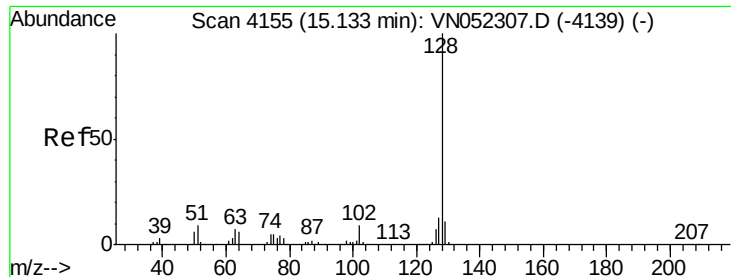


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#95

Naphthalene

Concen: 2.927 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

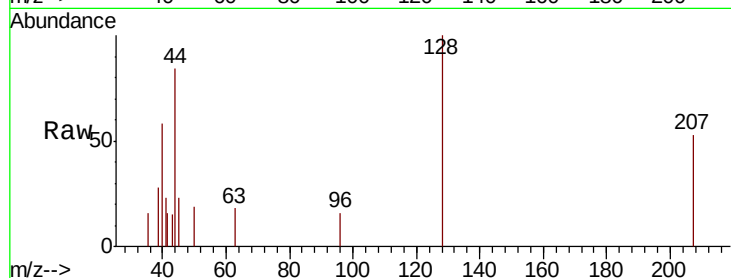
Lab File: VN052423.D

Acq: 20 Nov 2018 22:12

Instrument :

MSVOA_N

ClientSampleId :



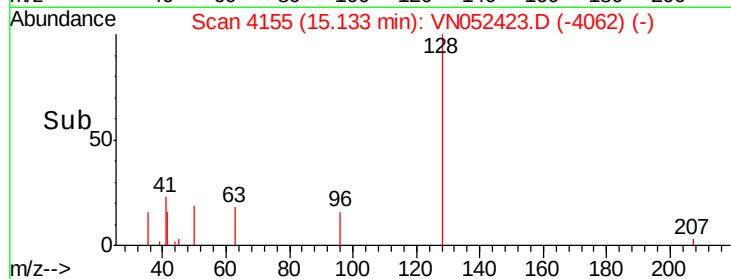
Tot Ion:128 Resp: 1893

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 1.6 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

