

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112018\
 Data File : VN052412.D
 Acq On : 20 Nov 2018 17:19
 Operator : MD\SY
 Sample : PB114952ZHE#06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

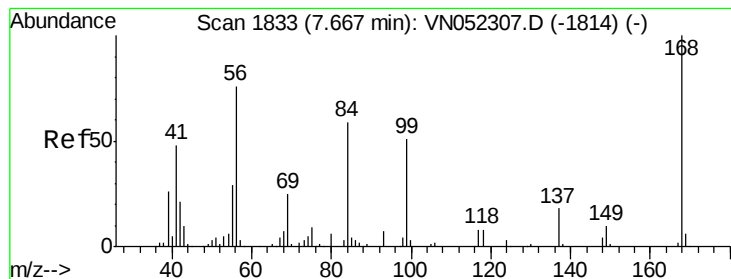
Quant Time: Nov 20 23:56:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	493006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	423543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145422	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	218859	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	
35) Dibromofluoromethane	7.59	113	161805	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
50) Toluene-d8	10.09	98	620287	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	183580	44.61	ug/l	0.00
Spiked Amount			Recovery	=	89.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	157	22.210	ug/l #	14
16) Acetone	3.83	43	6063	5.384	ug/l	99
18) Methyl Acetate	4.34	43	634	0.631	ug/l #	57
20) Methylene Chloride	4.56	84	10525	2.405	ug/l	89
25) 2-Butanone	6.83	43	324	0.204	ug/l #	52
31) Cyclohexane	7.67	56	9248	0.436	ug/l #	26
36) 1,1-Dichloropropene	7.67	75	28103	5.687	ug/l #	52
38) Carbon Tetrachloride	7.67	117	32068	7.064	ug/l #	17
41) Methacrylonitrile	7.15	41	161	3.770	ug/l #	100
43) Isopropyl Acetate	8.17	43	20364	2.943	ug/l #	96
45) 1,2-Dichloropropane	9.27	63	980	0.245	ug/l #	44
48) Methyl methacrylate	9.18	41	5977	1.702	ug/l #	16
51) 4-Methyl-2-Pentanone	10.02	43	5646	1.621	ug/l #	41
54) cis-1,3-Dichloropropene	9.90	75	32354	5.913	ug/l #	72
57) 1,3-Dichloropropane	10.76	76	6920	1.276	ug/l #	43
59) 2-Hexanone	10.76	43	118976	49.656	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	107677	43.637	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	107677	141.533	ug/l #	5

(#) = 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: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

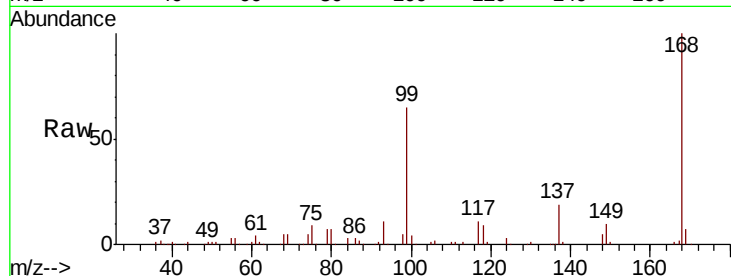
ClientSampled :

Tot Ion:168 Resp: 289597

Ion Ratio Lower Upper

168 100

99 65.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

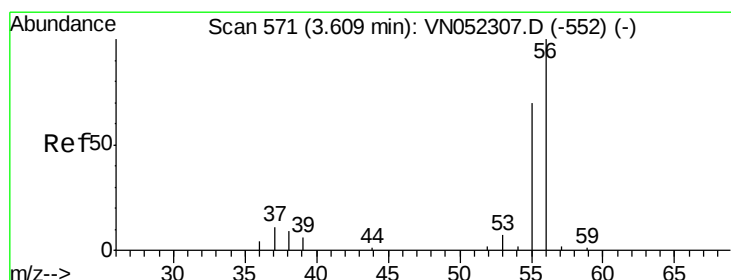
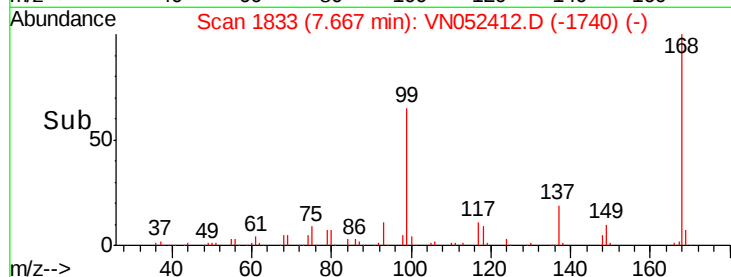
7.67

100000

50000

0

Time-->



#13

Acrolein

Concen: 22.210 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052412.D

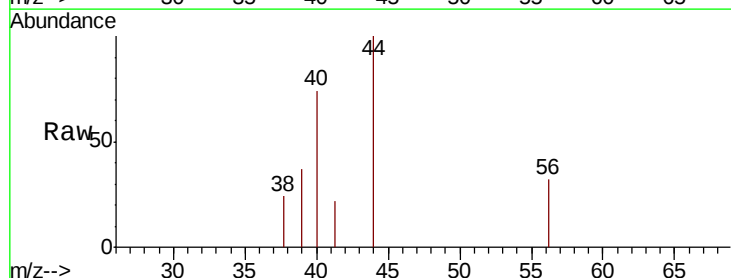
Acq: 20 Nov 2018 17:19

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): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

250

200

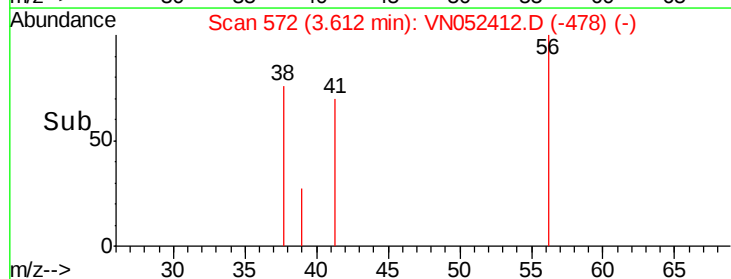
150

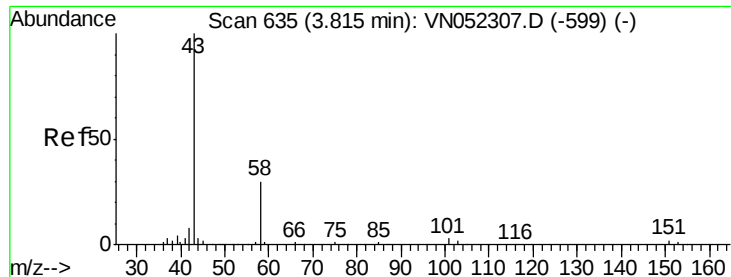
100

50

0

Time-->





#16

Acetone

Concen: 5.384 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.02 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

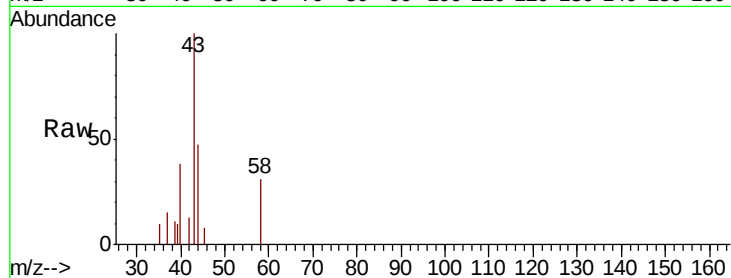
ClientSampleId :

Tot Ion: 43 Resp: 6063

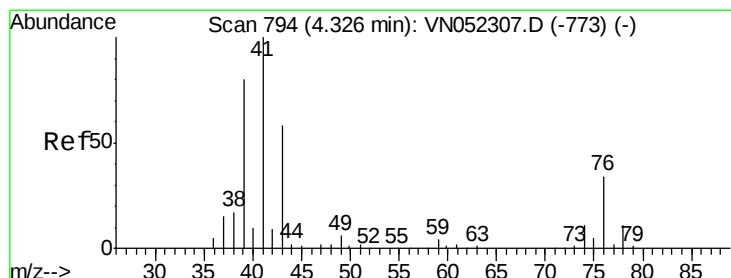
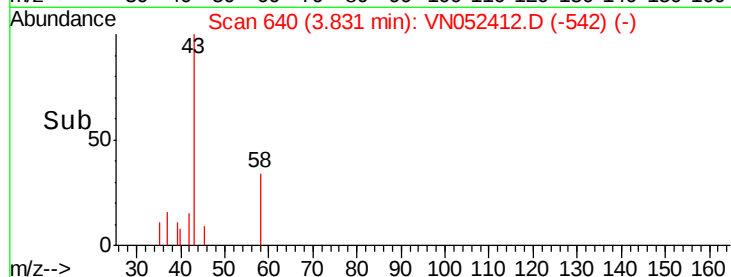
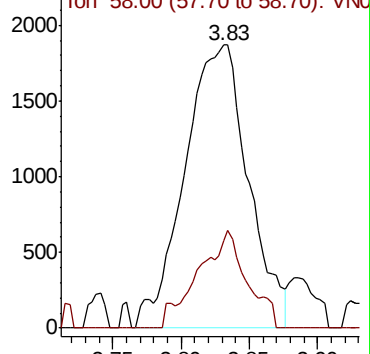
Ion Ratio Lower Upper

43 100

58 30.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-599) (-)



#18

Methyl Acetate

Concen: 0.631 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN052412.D

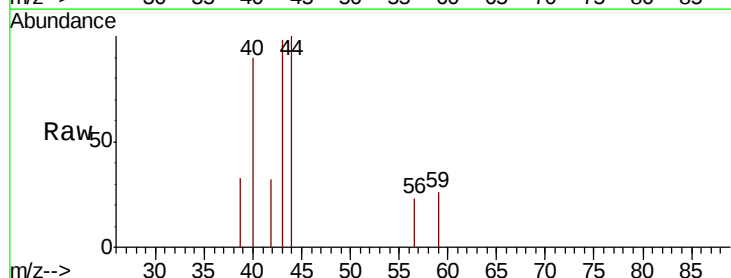
Acq: 20 Nov 2018 17:19

Tgt Ion: 43 Resp: 634

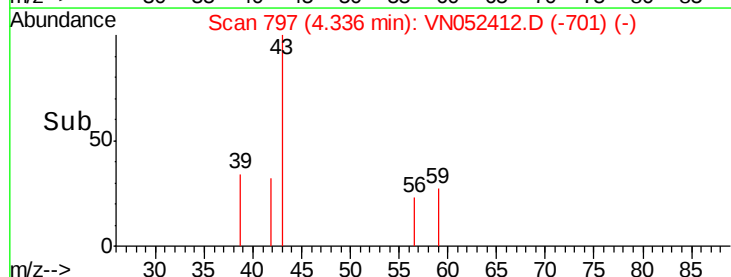
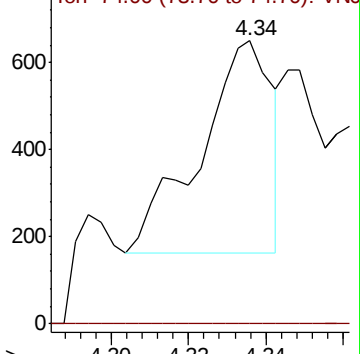
Ion Ratio Lower Upper

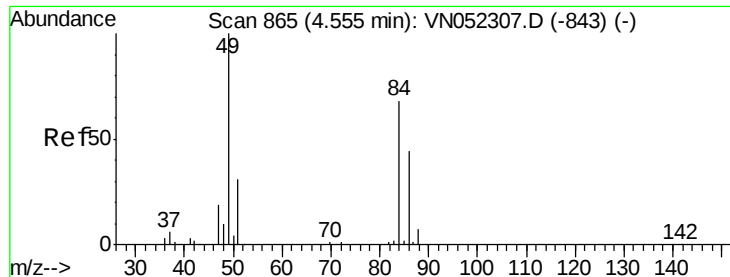
43 100

74 0.0 15.9 23.9#



Abundance Ion 43.00 (42.70 to 43.70): VN052307.D (-773) (-)

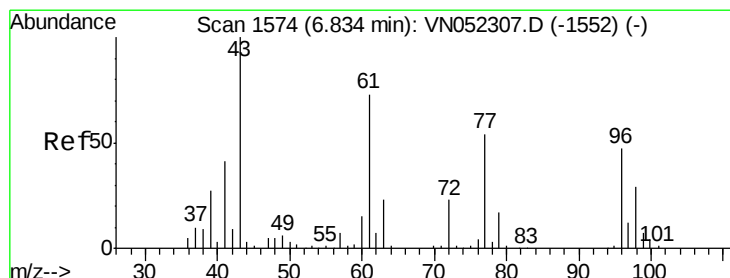
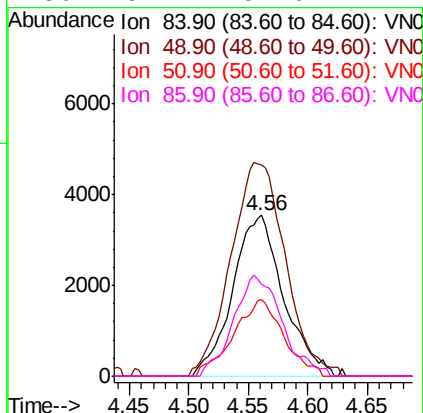
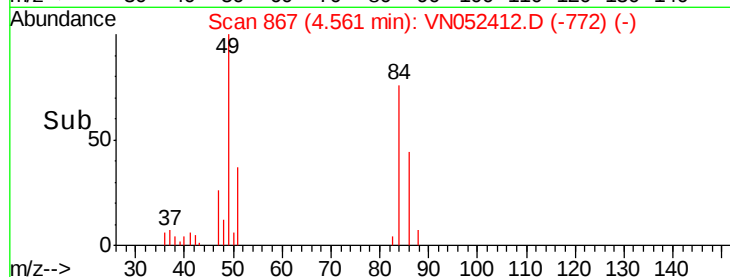
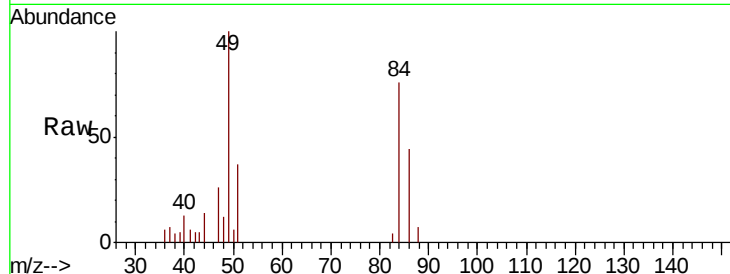




#20
Methvlene Chloride
Concen: 2.405 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

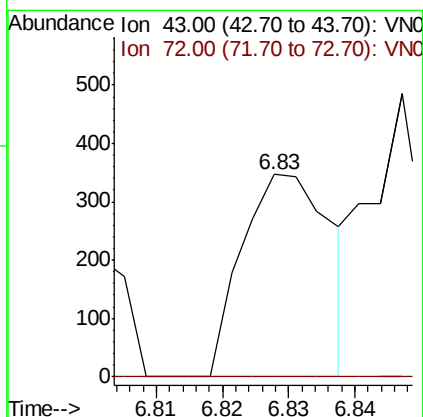
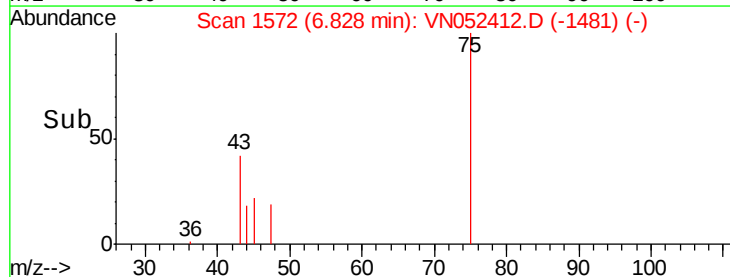
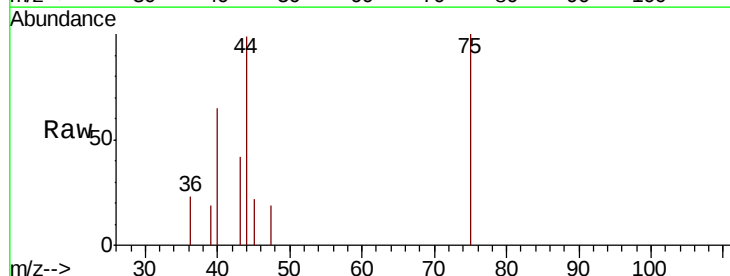
Instrument :
MSVOA_N
ClientSampled :

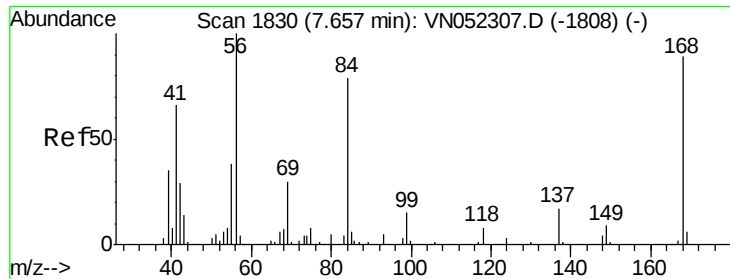
Tot Ion:	84	Resp:	10525
Ion	Ratio	Lower	Upper
84	100		
49	131.1	118.2	177.2
51	48.1	36.1	54.1
86	57.1	51.6	77.4



#25
2-Butanone
Concen: 0.204 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

Tgt Ion:	43	Resp:	324
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

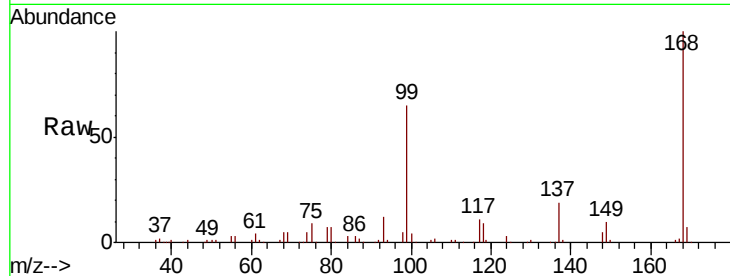




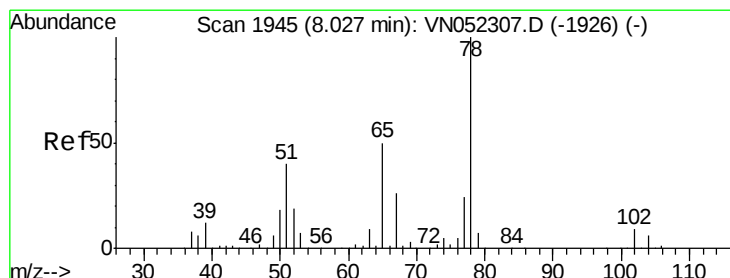
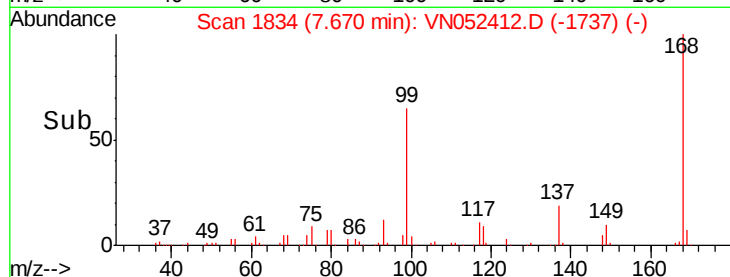
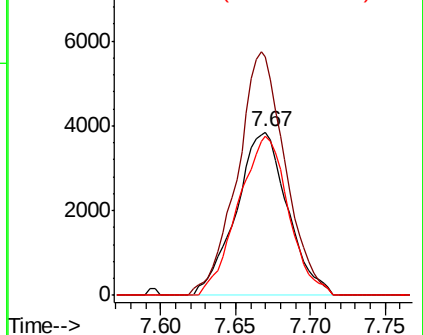
#31
Cyclohexane
Concen: 0.436 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 9248
Ion Ratio Lower Upper
56 100
69 145.6 23.8 35.8#
84 97.6 63.0 94.6#

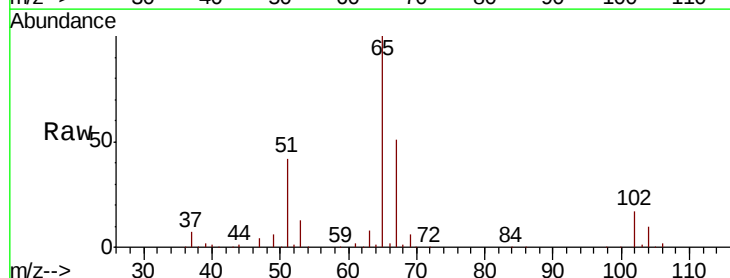


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

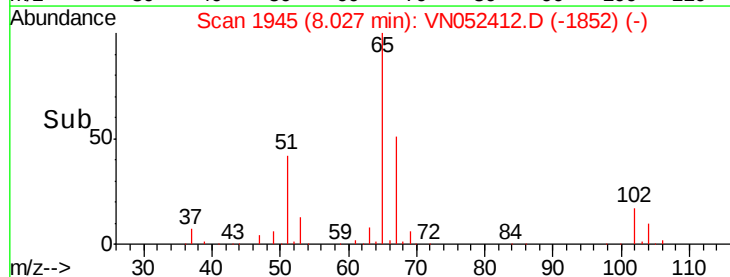
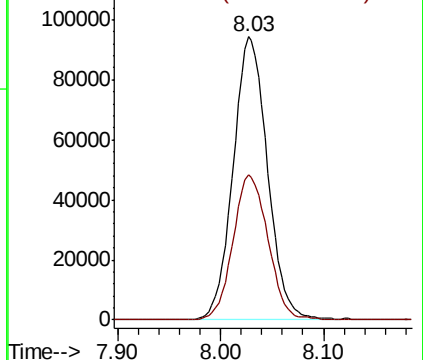


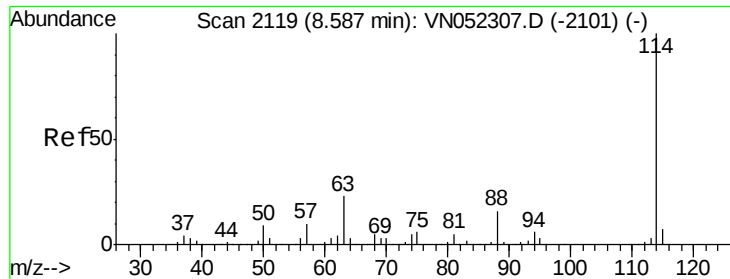
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

Tgt Ion: 65 Resp: 218859
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.2



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

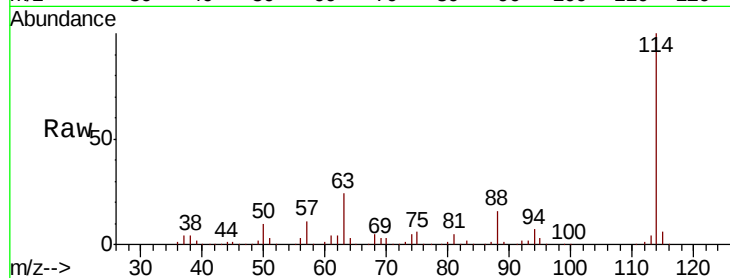




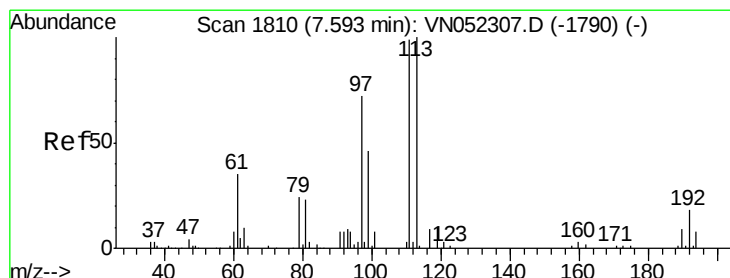
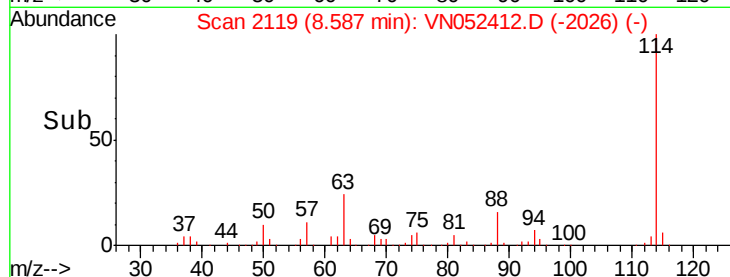
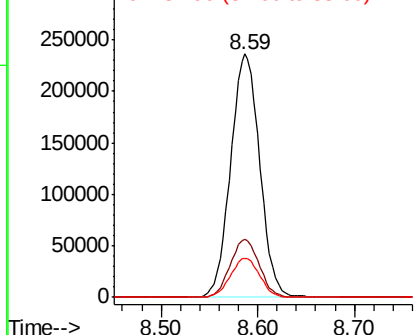
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 493006
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 45.4
 88 16.2 0.0 31.2

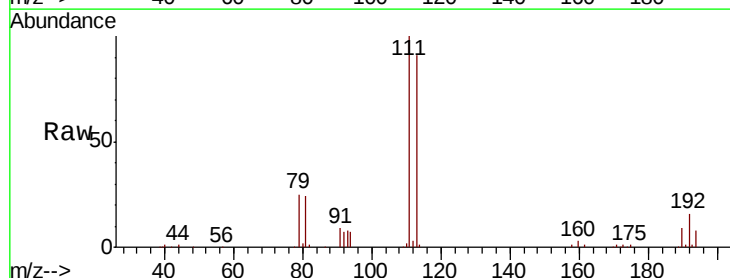


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

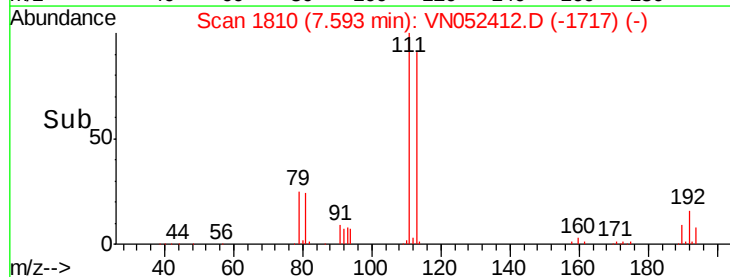
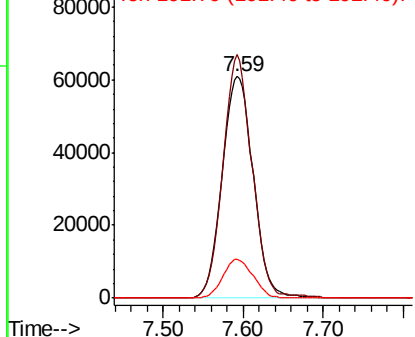


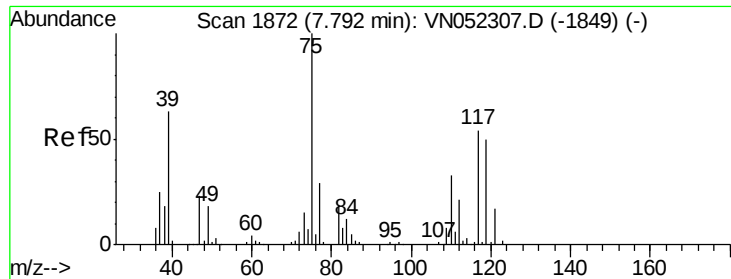
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

Tgt Ion:113 Resp: 161805
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 17.1 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: 5.687 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

ClientSampleId :

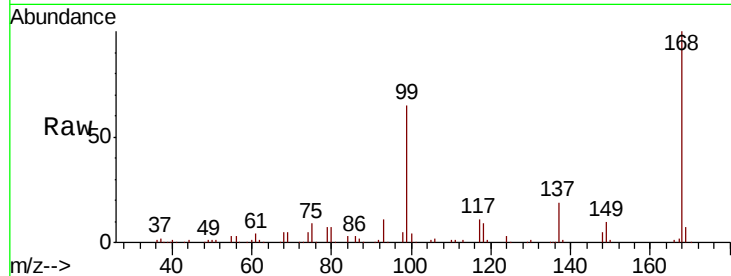
Tot Ion: 75 Resp: 28103

Ion Ratio Lower Upper

75 100

110 9.4 16.5 49.5#

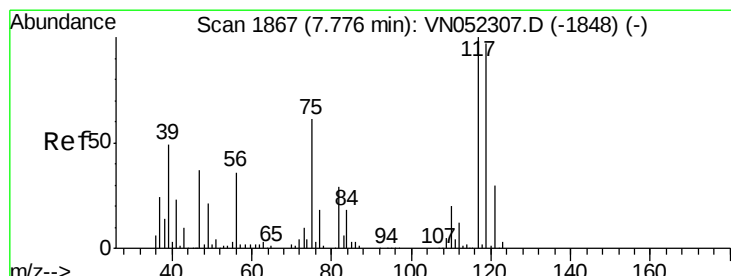
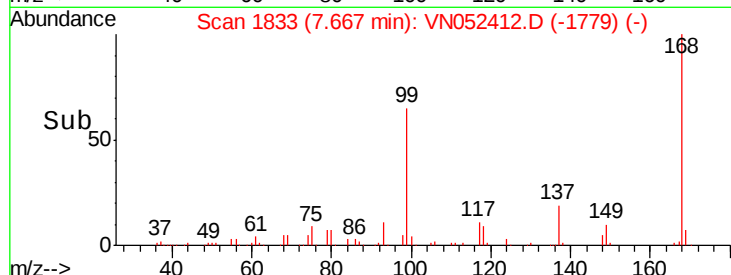
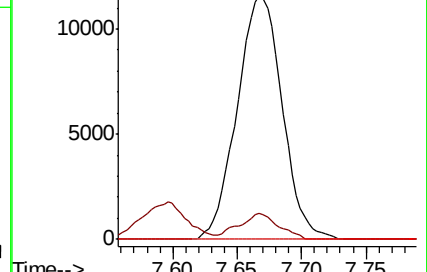
77 0.0 24.2 36.2#



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: 7.064 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

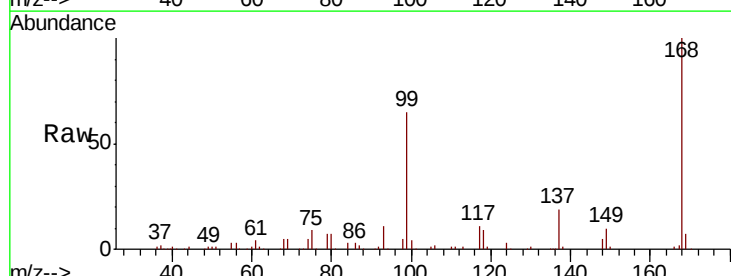
Tgt Ion: 117 Resp: 32068

Ion Ratio Lower Upper

117 100

119 6.5 77.4 116.0#

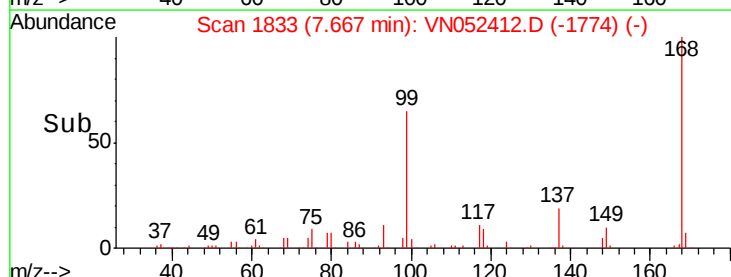
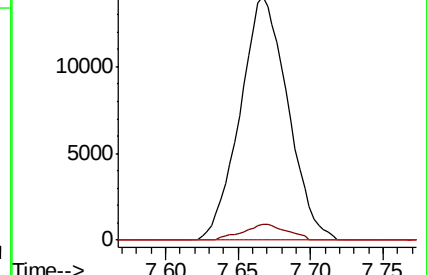
121 0.0 24.0 36.0#

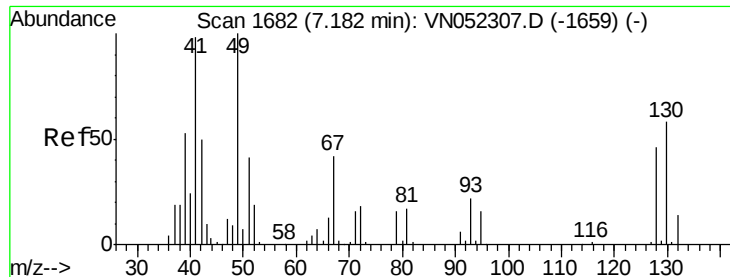


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

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

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

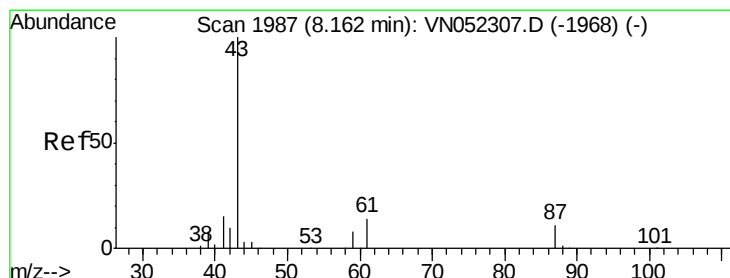
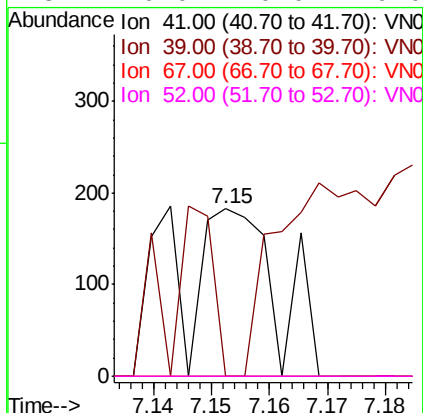
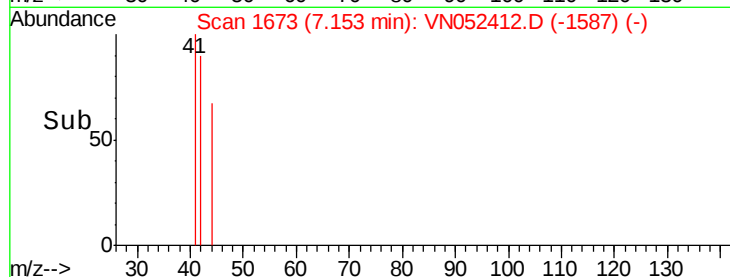
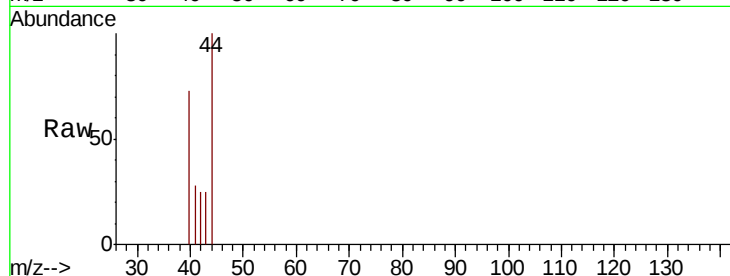




#41
Methacrylonitrile
Concen: 3.770 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.02 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

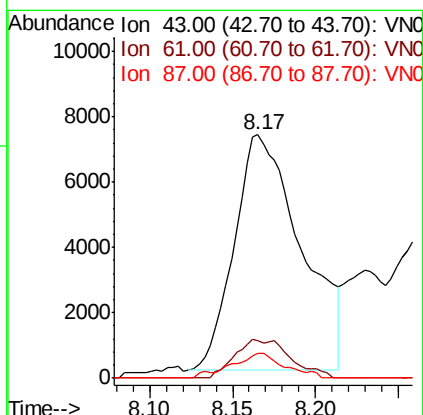
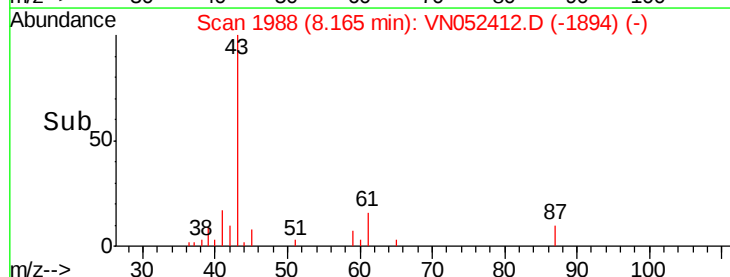
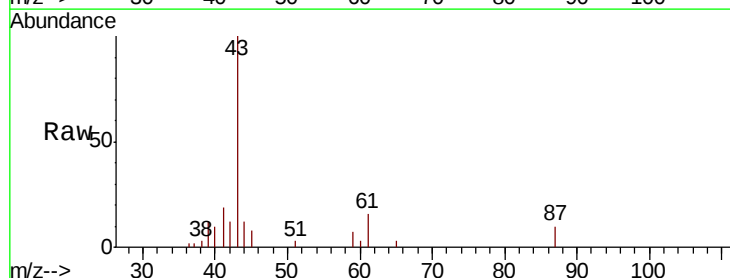
Instrument :
MSVOA_N
ClientSampleId :

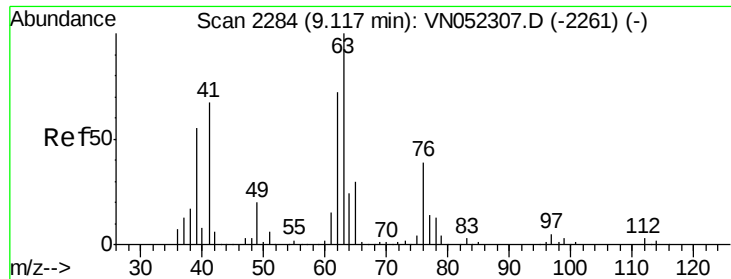
Tot Ion:	41	Resp:	161
Ion	Ratio	Lower	Upper
41	100		
39	154.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43
Isopropyl Acetate
Concen: 2.943 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

Tgt Ion:	43	Resp:	20364
Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.0	18.0
87	8.2	8.3	12.5#

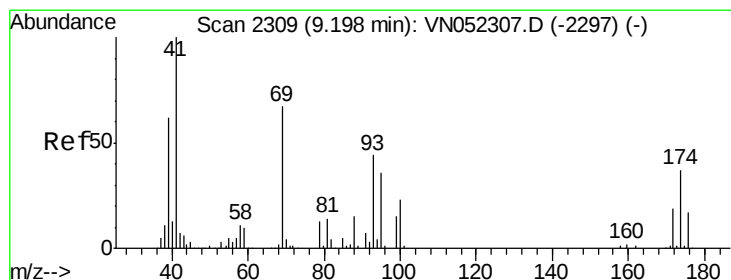
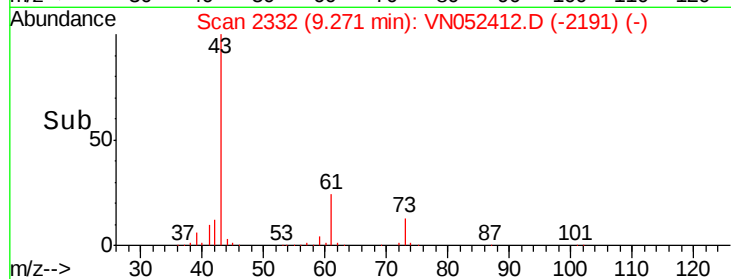
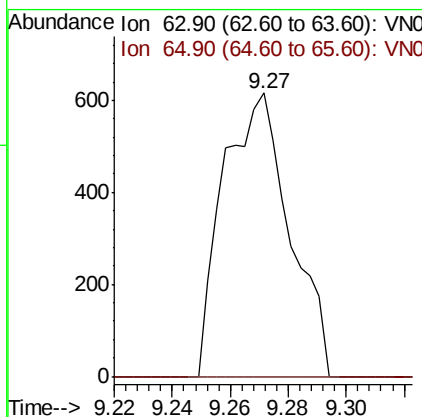
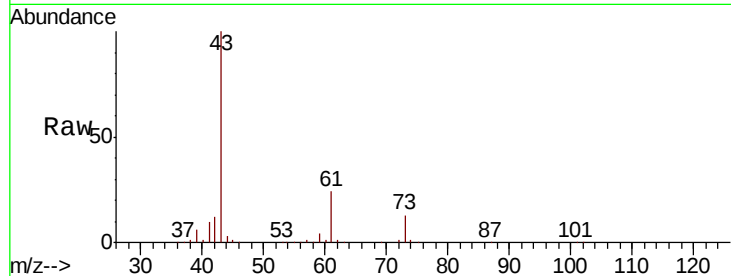




#45
 1,2-Dichloropropane
 Concen: 0.245 ug/l
 RT: 9.27 min Scan# 2332
 Delta R.T. 0.15 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

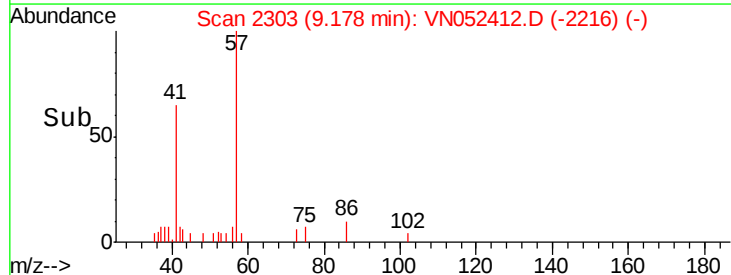
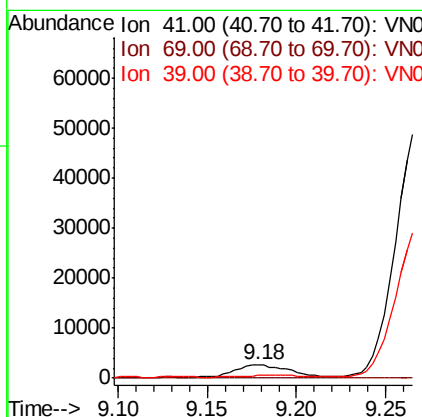
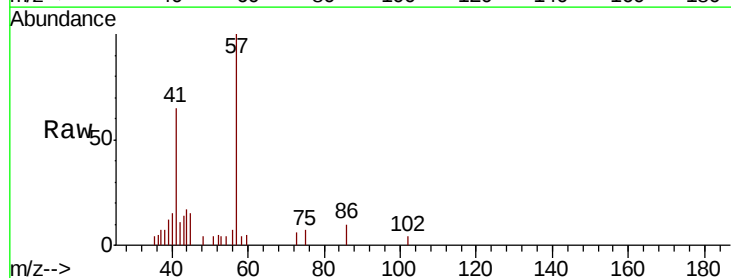
Instrument :
 MSVOA_N
 ClientSampleId :

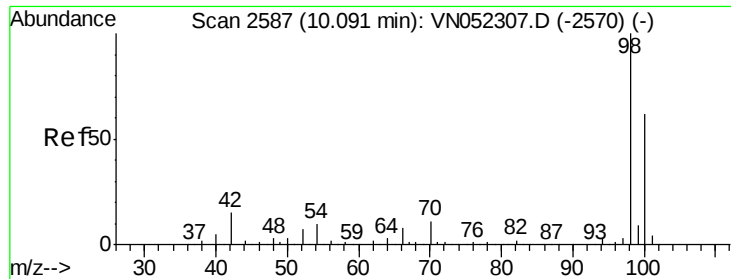
Tot Ion: 63 Resp: 980
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.2 36.4#



#48
 Methyl methacrylate
 Concen: 1.702 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.02 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

Tgt Ion: 41 Resp: 5977
 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: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

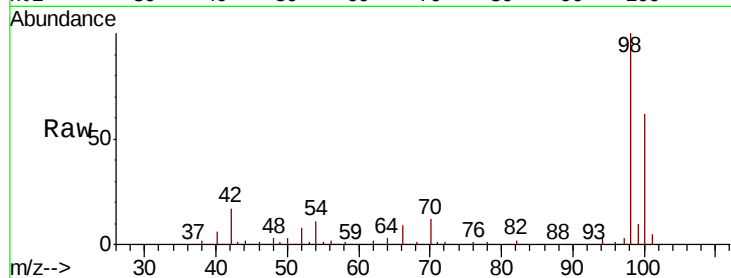
ClientSampled :

Tot Ion: 98 Resp: 620287

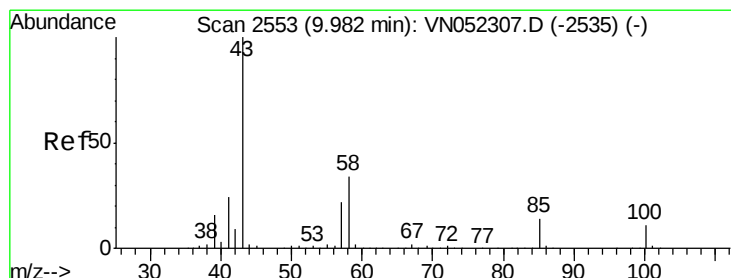
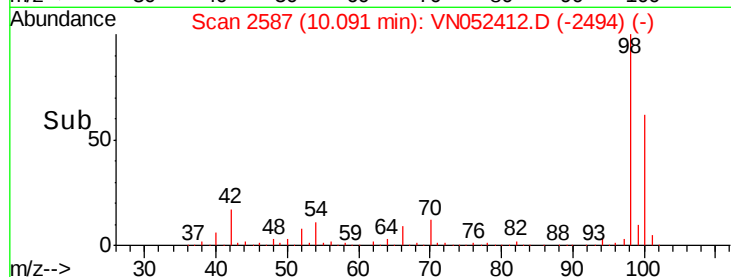
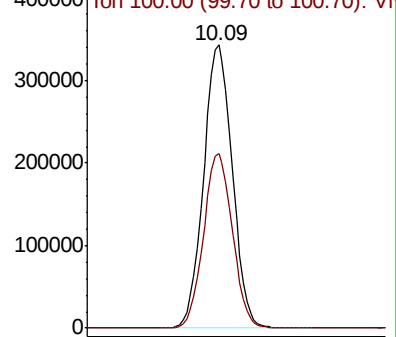
Ion Ratio Lower Upper

98 100

100 61.9 49.5 74.3



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



#51

4-Methyl-2-Pentanone

Concen: 1.621 ug/l

RT: 10.02 min Scan# 2566

Delta R.T. 0.04 min

Lab File: VN052412.D

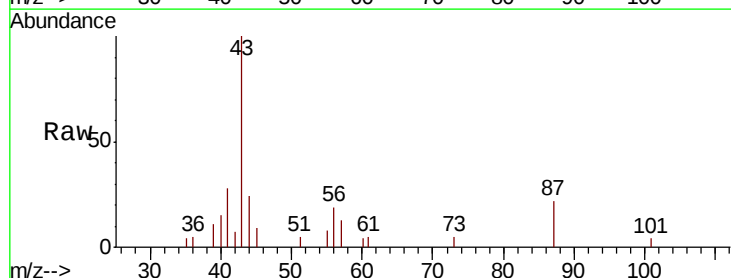
Acq: 20 Nov 2018 17:19

Tgt Ion: 43 Resp: 5646

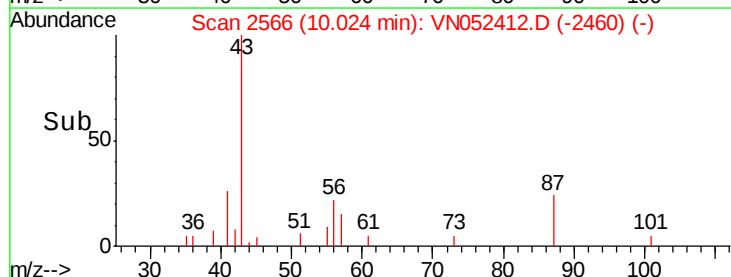
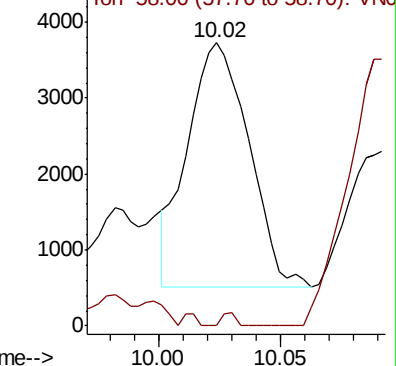
Ion Ratio Lower Upper

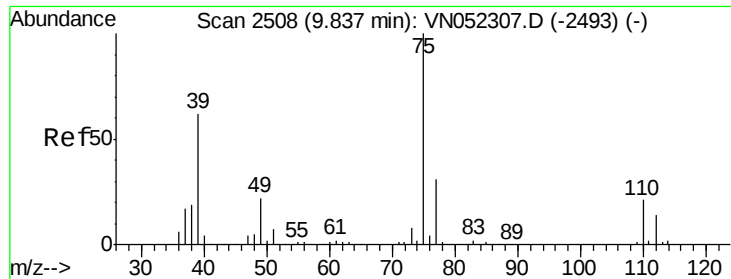
43 100

58 0.0 27.0 40.6#



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





#54

cis-1,3-Dichloropropene

Concen: 5.913 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

ClientSampled :

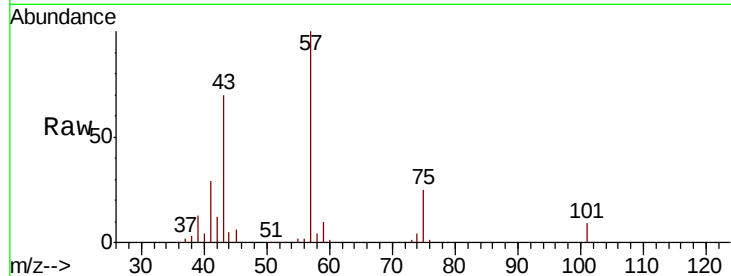
Tot Ion: 75 Resp: 32354

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

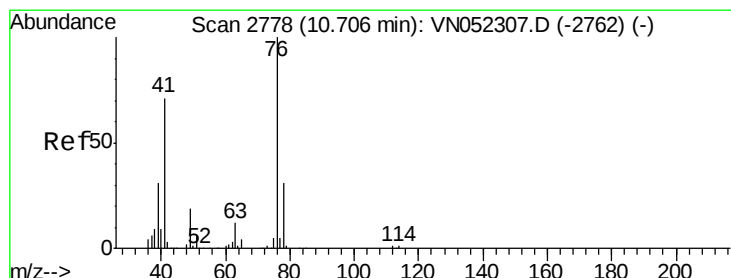
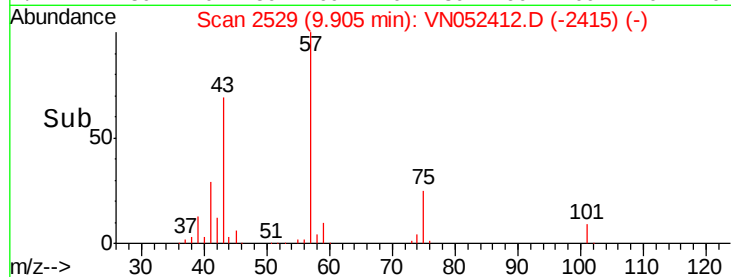
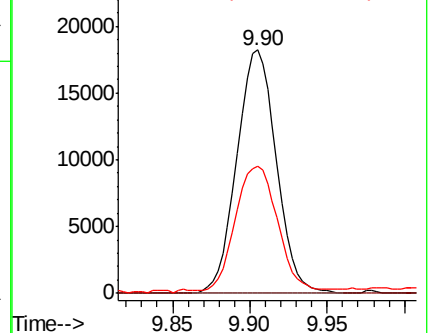
39 51.0 49.9 74.9



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: 1.276 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052412.D

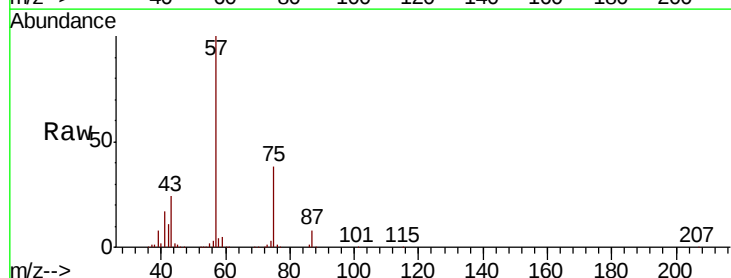
Acq: 20 Nov 2018 17:19

Tgt Ion: 76 Resp: 6920

Ion Ratio Lower Upper

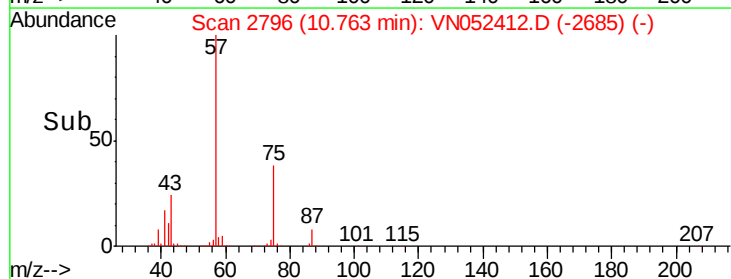
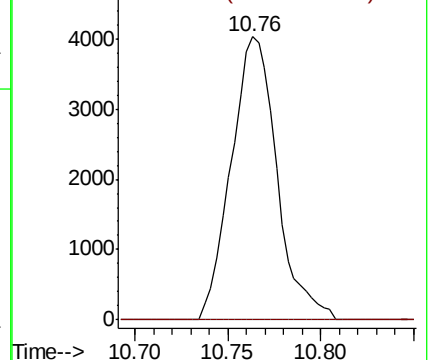
76 100

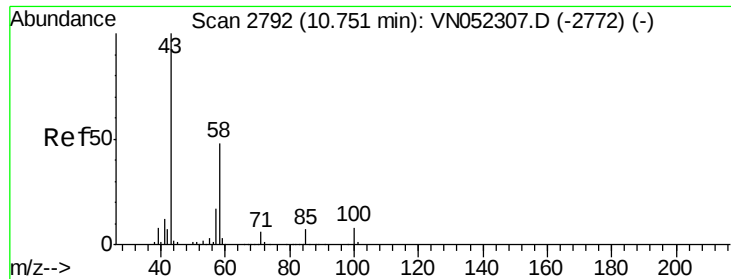
78 0.0 25.7 38.5#



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

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

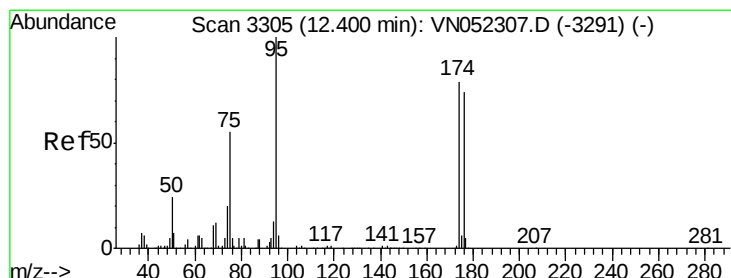
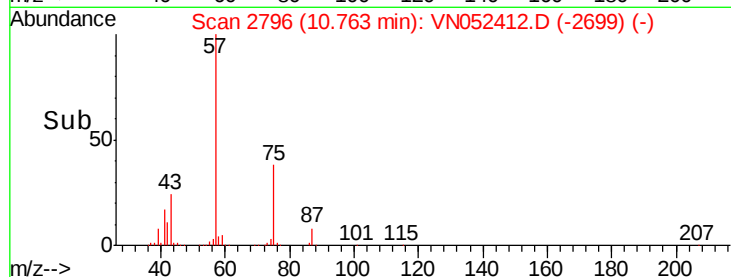
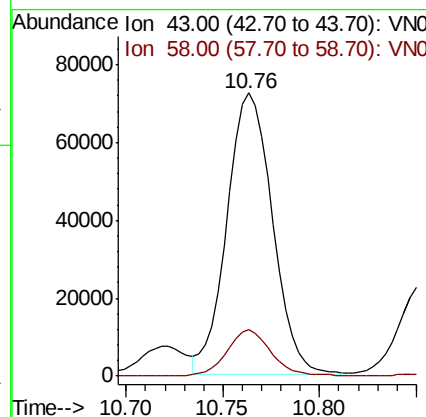
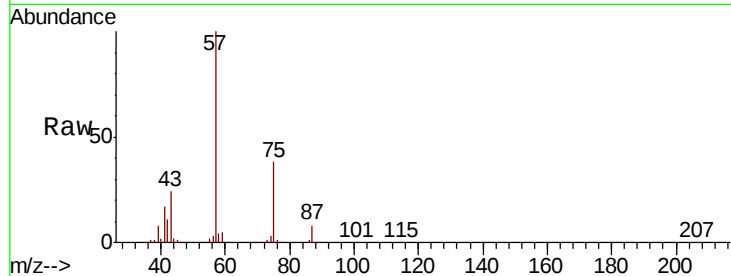




#59
 2-Hexanone
 Concen: 49.656 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

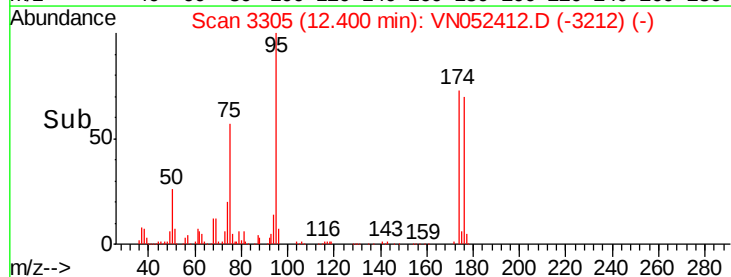
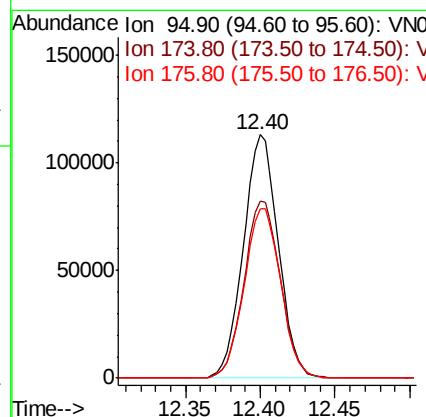
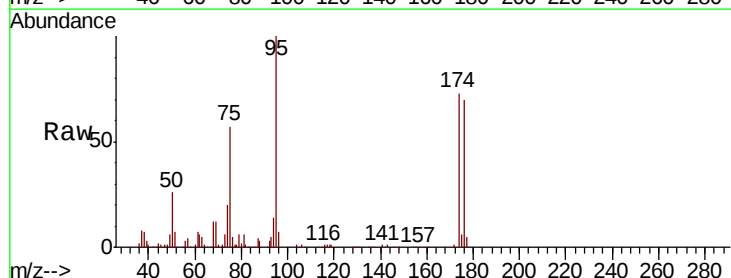
Instrument :
 MSVOA_N
 ClientSampleId :

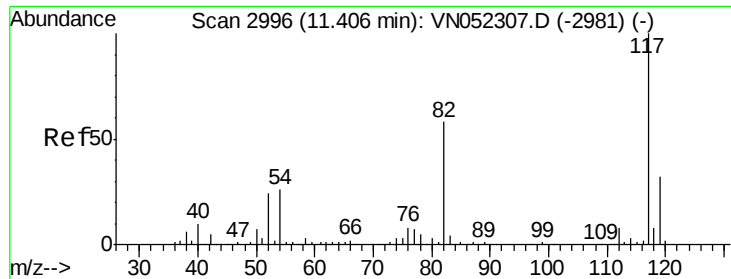
Tot Ion: 43 Resp: 118976
 Ion Ratio Lower Upper
 43 100
 58 16.0 23.5 70.6#



#62
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052412.D
 Acq: 20 Nov 2018 17:19

Tgt Ion: 95 Resp: 183580
 Ion Ratio Lower Upper
 95 100
 174 75.8 0.0 156.0
 176 72.8 0.0 148.4

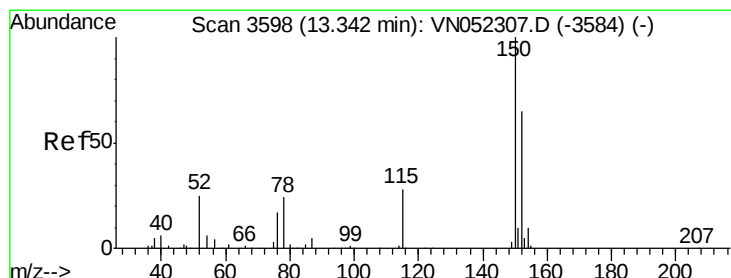
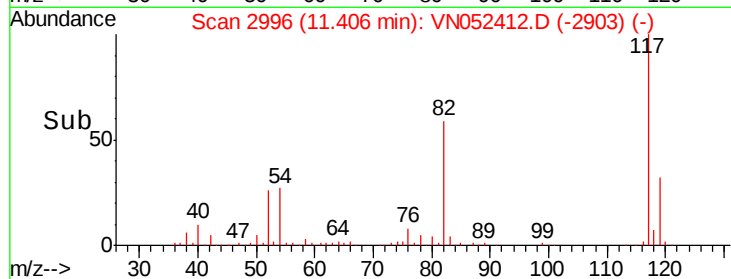
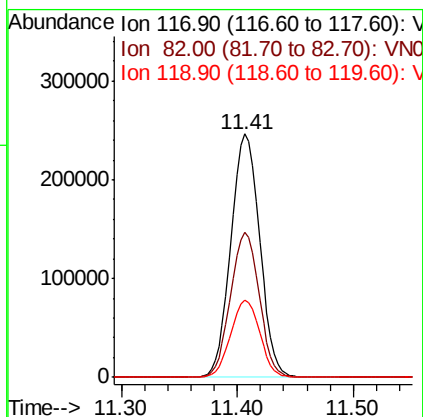
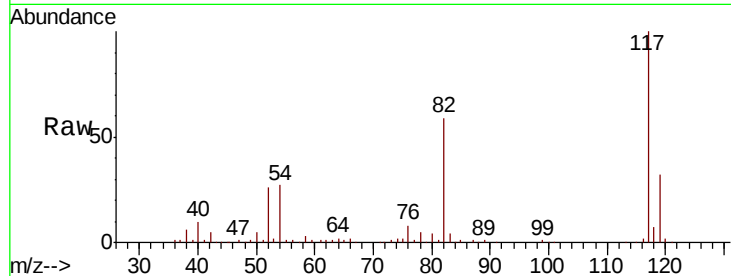




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

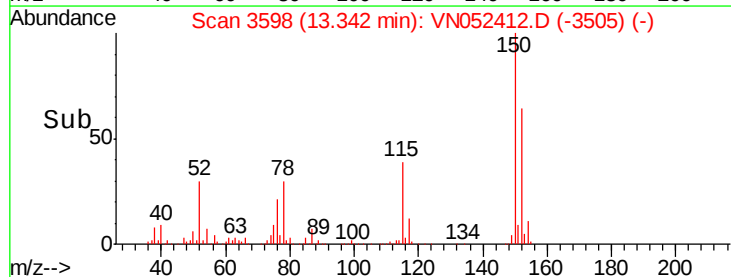
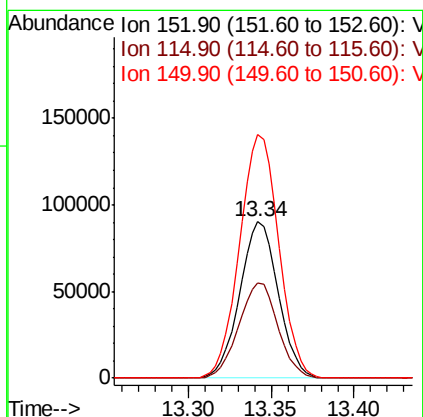
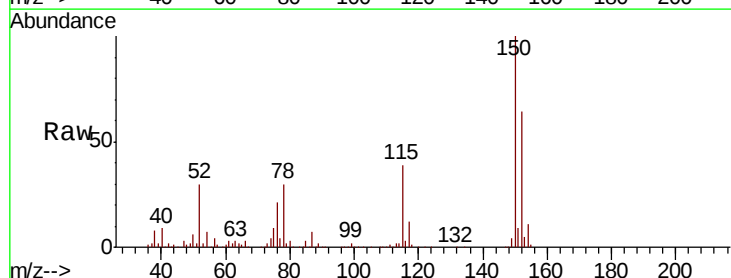
Instrument :
MSVOA_N
ClientSampled :

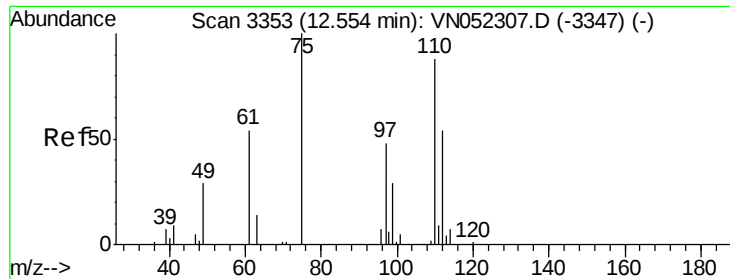
Tot Ion:117 Resp: 423543
Ion Ratio Lower Upper
117 100
82 59.3 46.5 69.7
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052412.D
Acq: 20 Nov 2018 17:19

Tgt Ion:152 Resp: 145422
Ion Ratio Lower Upper
152 100
115 61.7 30.3 91.0
150 158.8 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 43.637 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

Instrument :

MSVOA_N

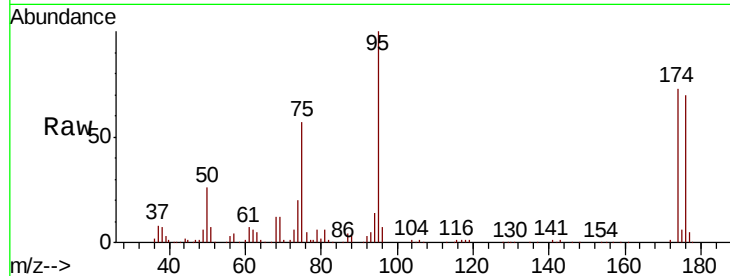
ClientSampleId :

Tot Ion: 75 Resp: 107677

Ion Ratio Lower Upper

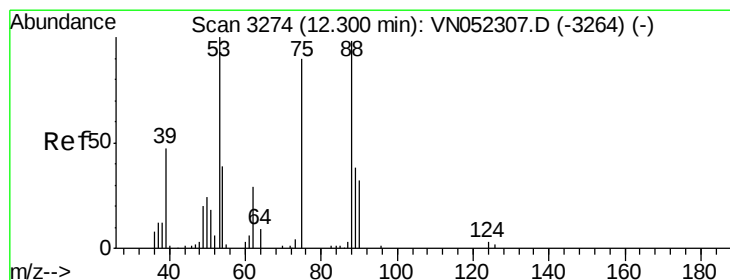
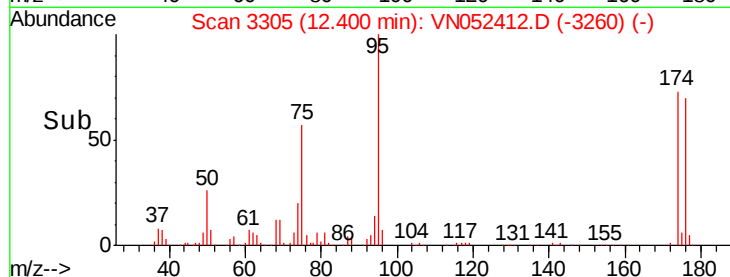
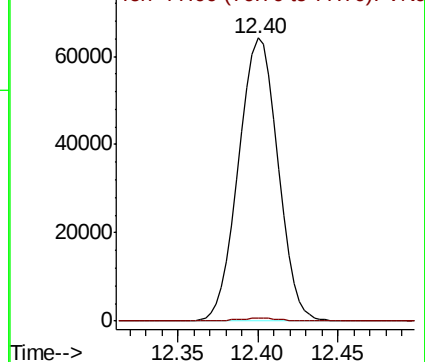
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 141.533 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052412.D

Acq: 20 Nov 2018 17:19

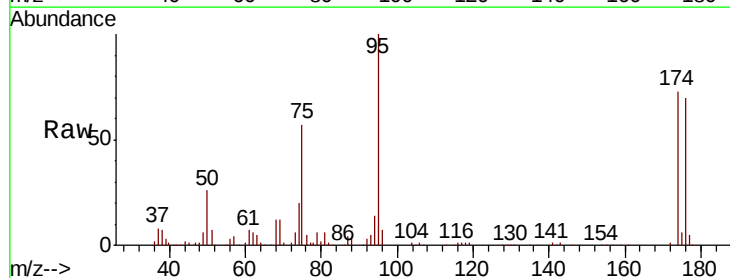
Tgt Ion: 75 Resp: 107677

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

