

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032719\
 Data File : VN054728.D
 Acq On : 27 Mar 2019 17:55
 Operator : JC/SP
 Sample : K2097-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 28 04:38:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	548753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	891034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265430	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	360369	52.80	ug/l	0.00
Spiked Amount			Recovery	=	105.60%	
35) Dibromofluoromethane	7.59	113	285542	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.09	98	1067656	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	320469	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	

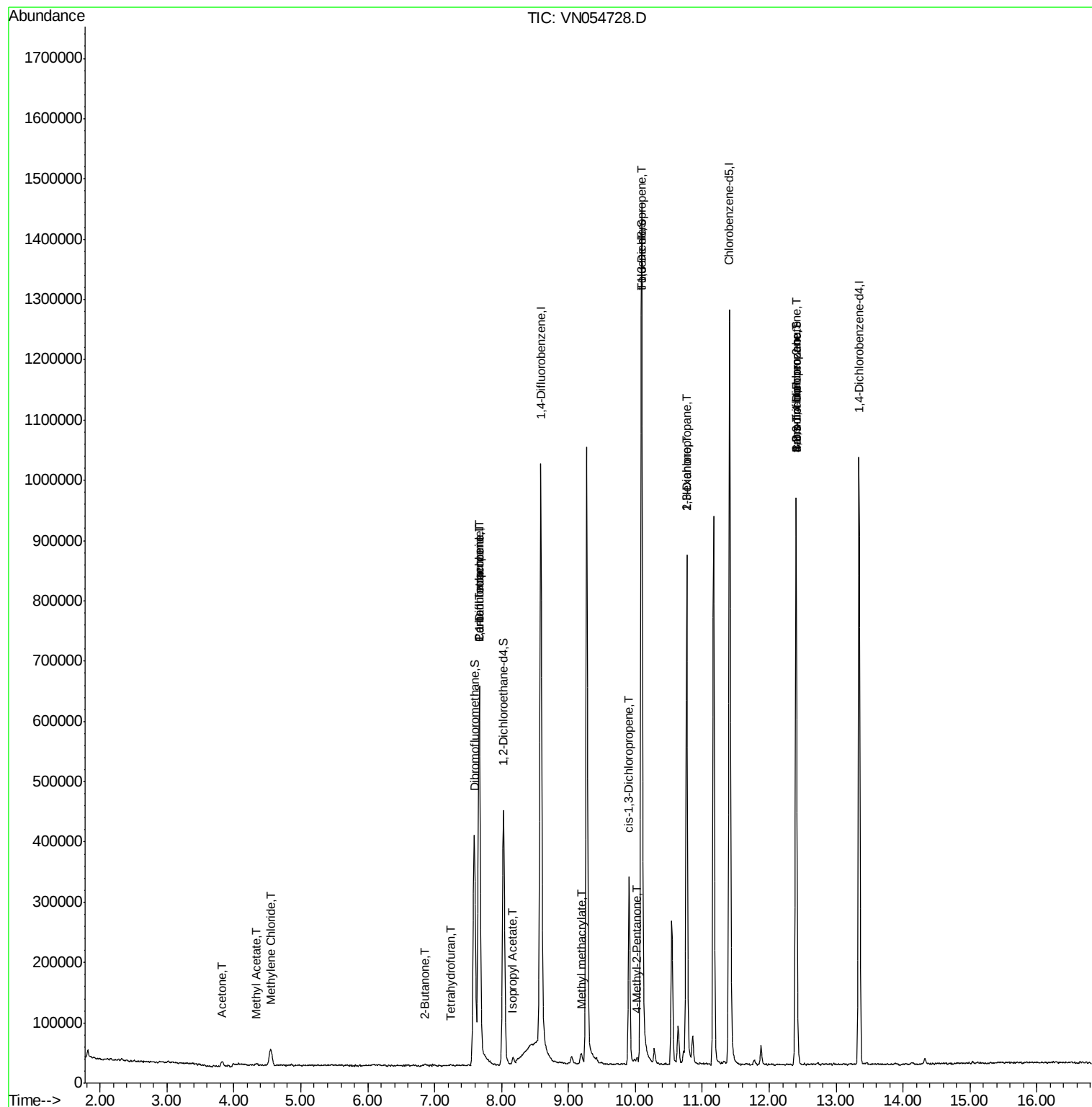
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	12450	6.067	ug/l	94
18) Methyl Acetate	4.33	43	1427	0.312	ug/l #	86
20) Methylene Chloride	4.55	84	18989	3.139	ug/l	91
25) 2-Butanone	6.85	43	1046	0.398	ug/l	93
29) Tetrahydrofuran	7.23	42	1035	0.607	ug/l #	48
31) Cyclohexane	7.66	56	11569	Below Cal	#	30
36) 1,1-Dichloropropene	7.67	75	40413	4.851	ug/l #	48
38) Carbon Tetrachloride	7.67	117	51154	6.318	ug/l #	16
43) Isopropyl Acetate	8.18	43	15296	1.528	ug/l #	85
48) Methyl methacrylate	9.18	41	7379	1.359	ug/l #	11
51) 4-Methyl-2-Pentanone	10.03	43	7026	1.267	ug/l #	36
53) t-1,3-Dichloropropene	10.10	75	273	2.263	ug/l #	57
54) cis-1,3-Dichloropropene	9.91	75	50444	5.555	ug/l #	70
57) 1,3-Dichloropropane	10.76	76	8981	0.981	ug/l #	43
59) 2-Hexanone	10.77	43	138977	38.364	ug/l #	47
71) Bromoform	12.40	173	1817	2.685	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	167251	39.709	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	167251	131.378	ug/l #	11

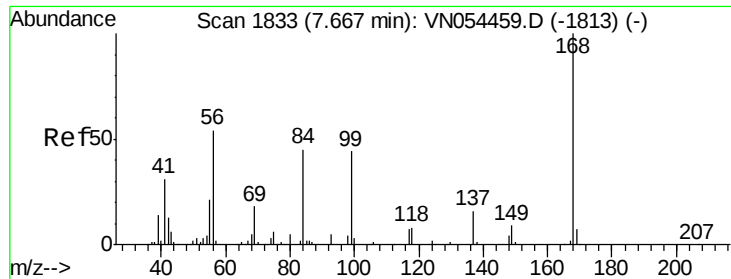
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 22 02:09:07 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

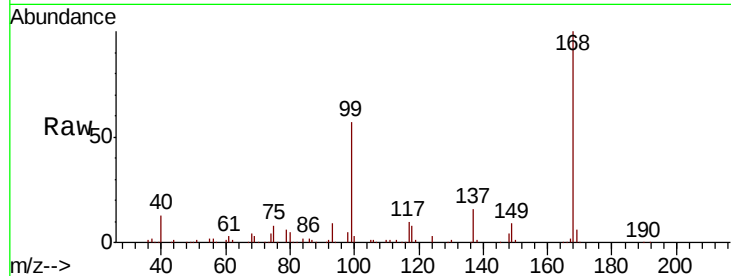
ClientSampled :

Tot Ion:168 Resp: 548753

Ion Ratio Lower Upper

168 100

99 57.5 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054728.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054728.D (-1740) (-)

7.67

250000

200000

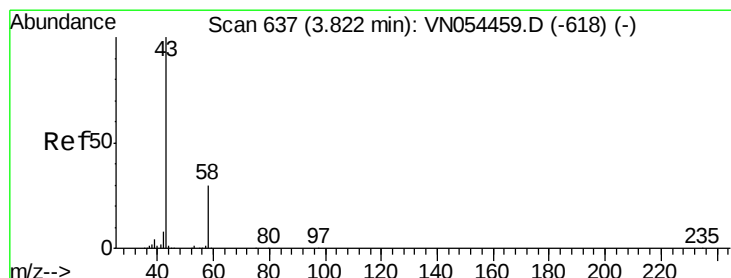
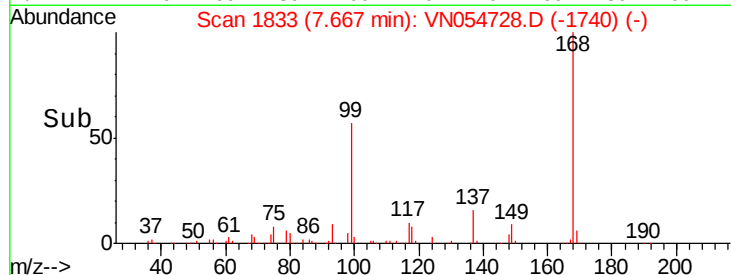
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.067 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN054728.D

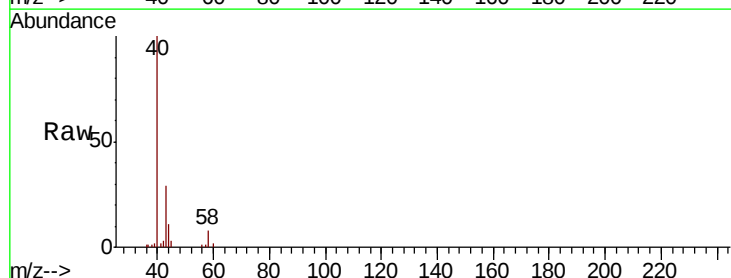
Acq: 27 Mar 2019 17:55

Tgt Ion: 43 Resp: 12450

Ion Ratio Lower Upper

43 100

58 33.7 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054728.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054728.D (-544) (-)

3.82

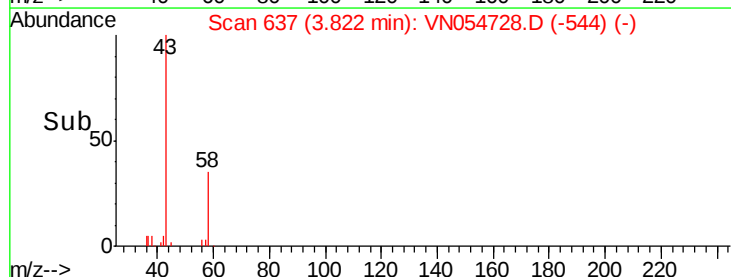
6000

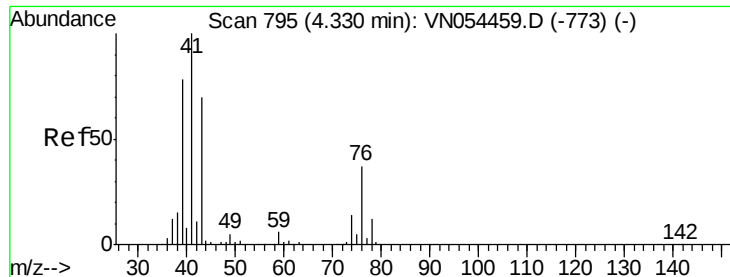
4000

2000

0

Time-->

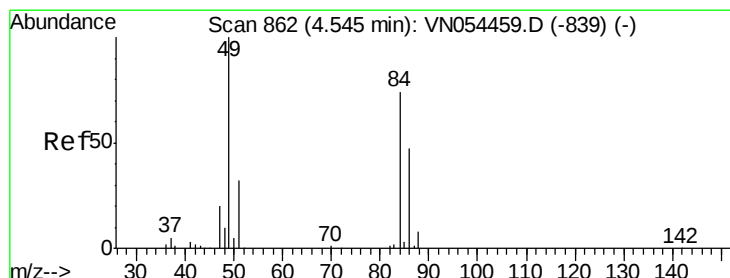
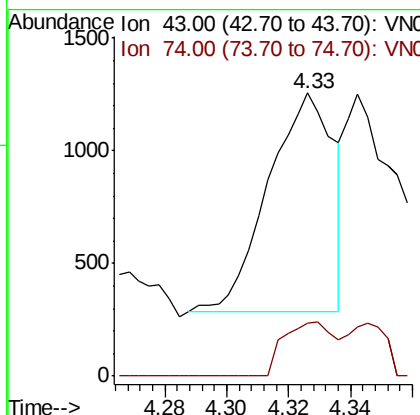
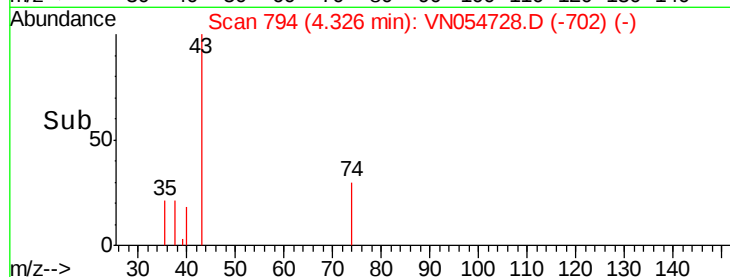
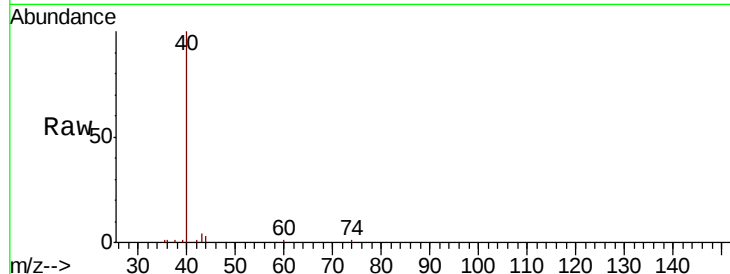




#18
Methyl Acetate
Concen: 0.312 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN054728.D
Acq: 27 Mar 2019 17:55

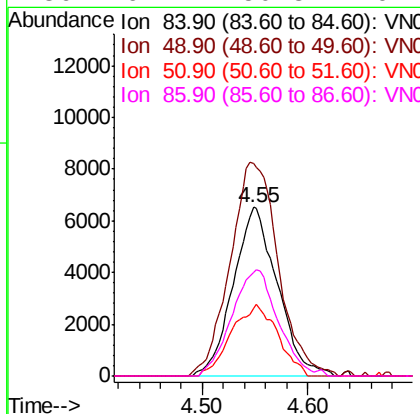
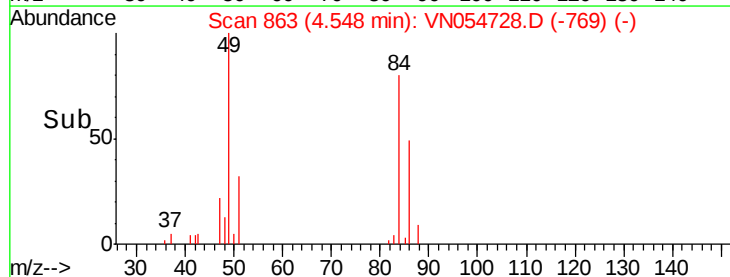
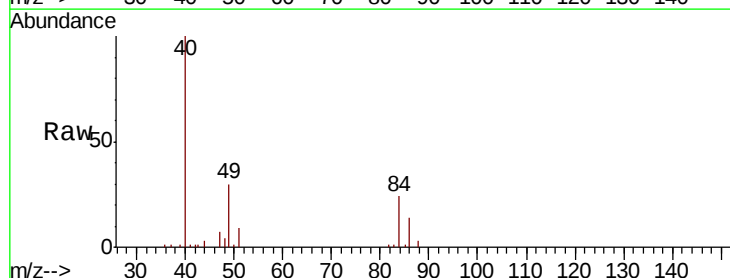
Instrument :
MSVOA_N
ClientSampled :

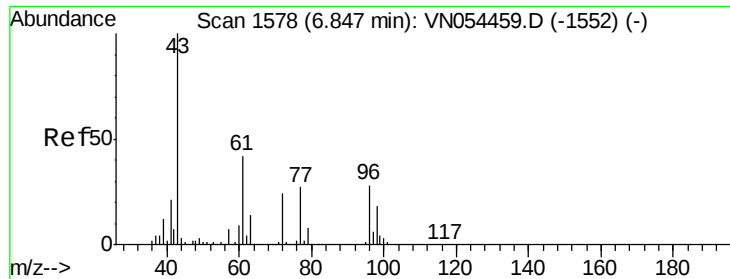
Tot Ion: 43 Resp: 1427
Ion Ratio Lower Upper
43 100
74 18.9 20.8 31.2#



#20
Methylene Chloride
Concen: 3.139 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054728.D
Acq: 27 Mar 2019 17:55

Tgt Ion: 84 Resp: 18989
Ion Ratio Lower Upper
84 100
49 125.6 89.7 134.5
51 40.0 28.2 42.4
86 61.1 50.8 76.2

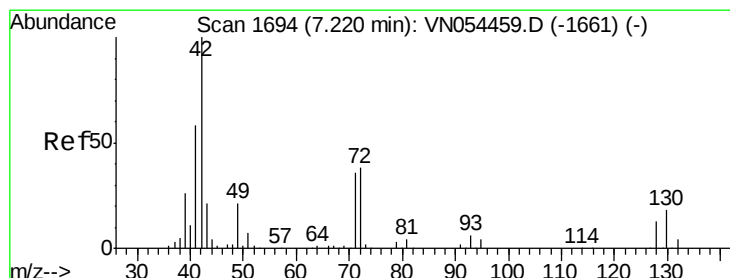
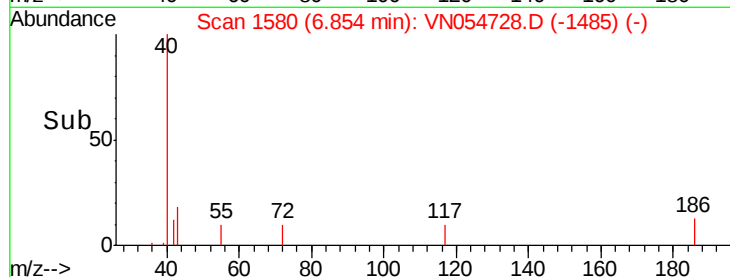
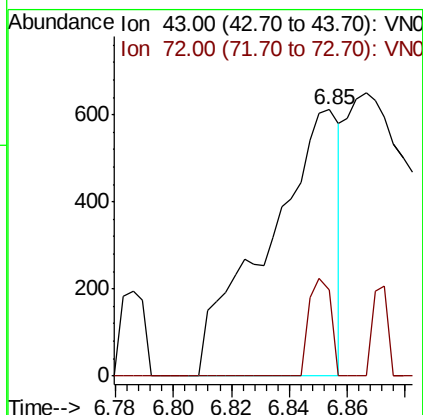
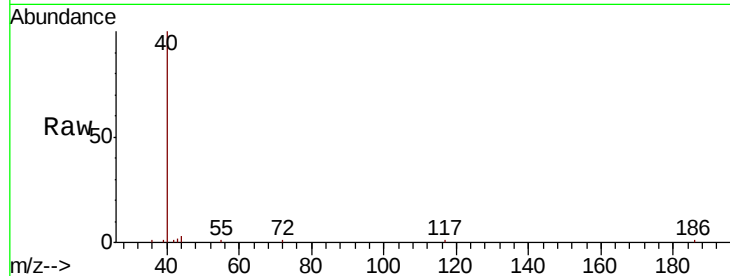




#25
 2-Butanone
 Concen: 0.398 ug/l
 RT: 6.85 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

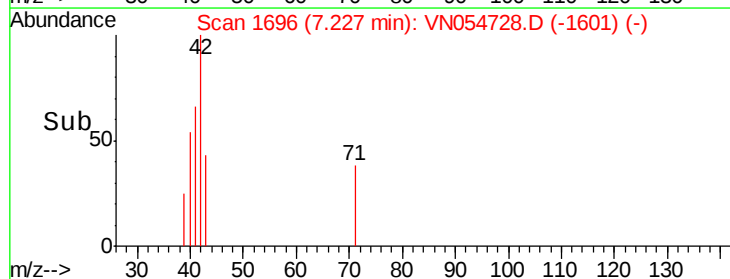
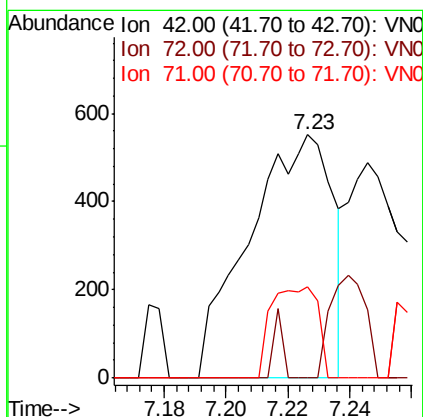
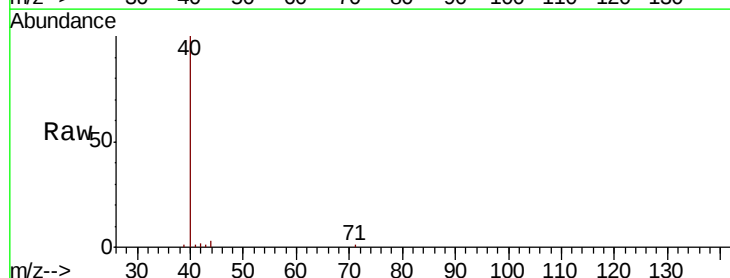
Instrument :
 MSVOA_N
 ClientSampled :

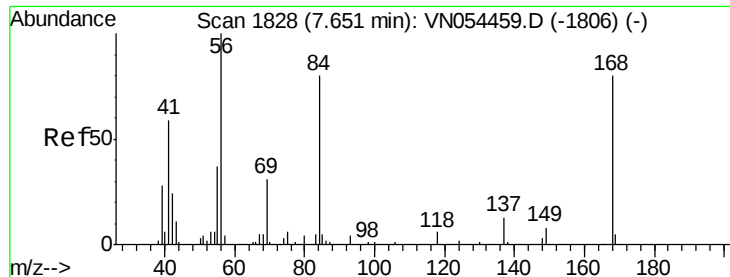
Tot Ion: 43 Resp: 1046
 Ion Ratio Lower Upper
 43 100
 72 32.4 23.0 34.6



#29
 Tetrahydrofuran
 Concen: 0.607 ug/l
 RT: 7.23 min Scan# 1696
 Delta R.T. 0.01 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

Tgt Ion: 42 Resp: 1035
 Ion Ratio Lower Upper
 42 100
 72 2.9 37.8 56.6#
 71 20.9 36.2 54.2#





#31

Cvclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

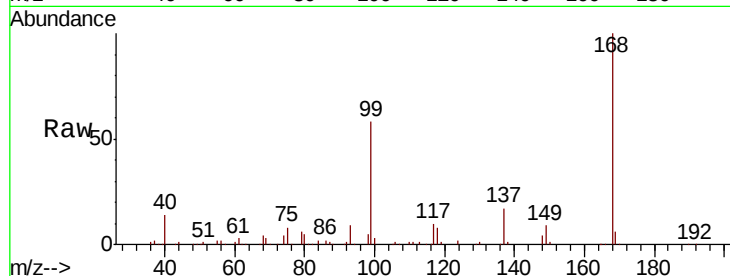
Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

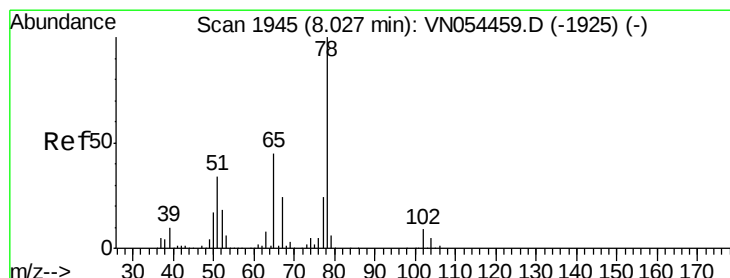
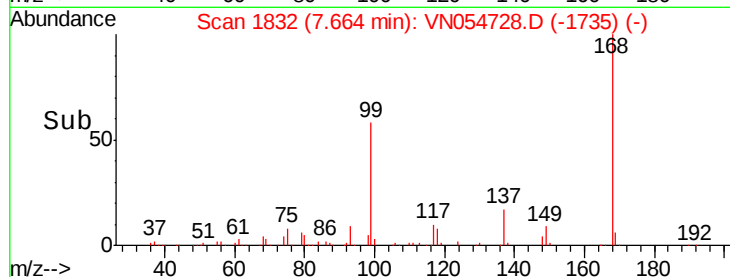
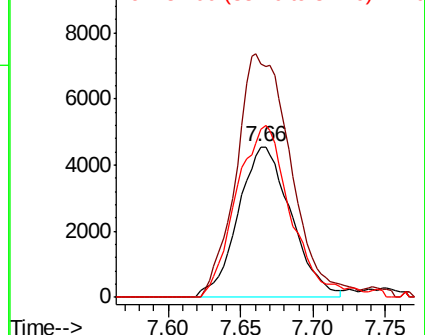
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 11569

Ion	Ratio	Lower	Upper
56	100		
69	155.0	27.8	41.6#
84	111.4	74.6	111.8



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: 52.797 ug/l

RT: 8.03 min Scan# 1946

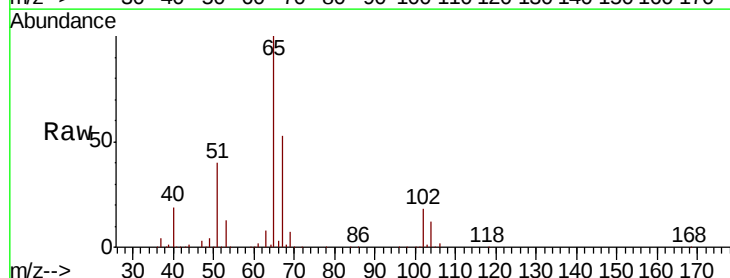
Delta R.T. 0.00 min

Lab File: VN054728.D

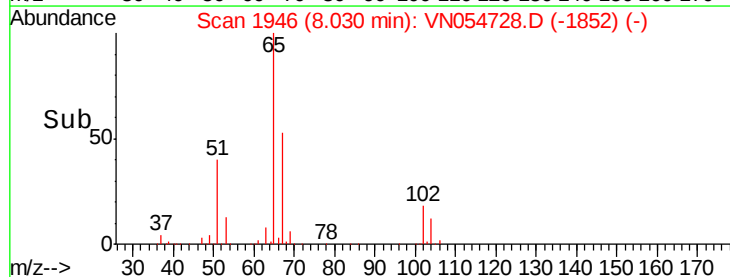
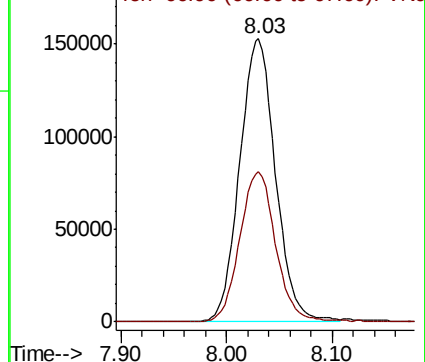
Acq: 27 Mar 2019 17:55

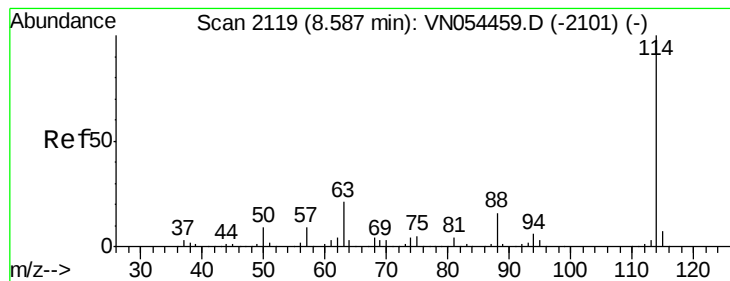
Tgt Ion: 65 Resp: 360369

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.6



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: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

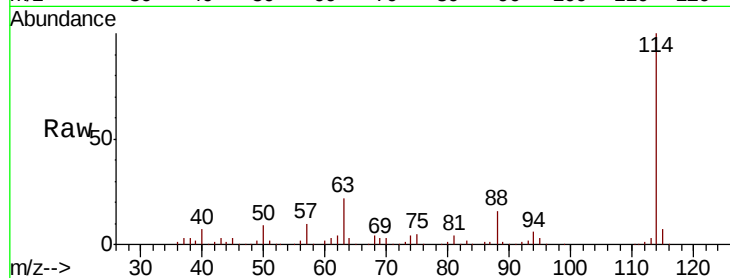
Tot Ion:114 Resp: 891034

Ion Ratio Lower Upper

114 100

63 22.1 0.0 35.2

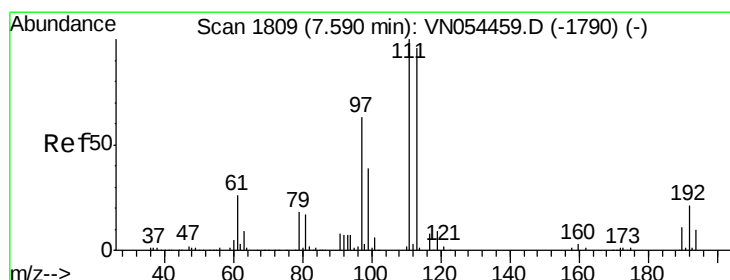
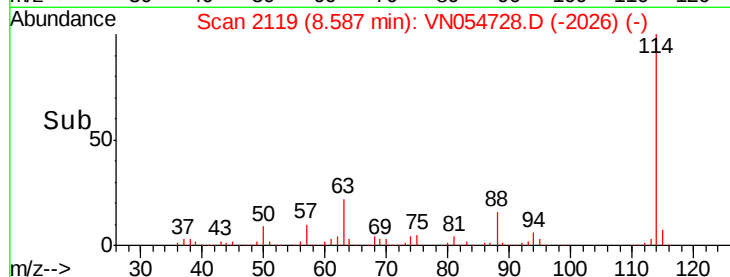
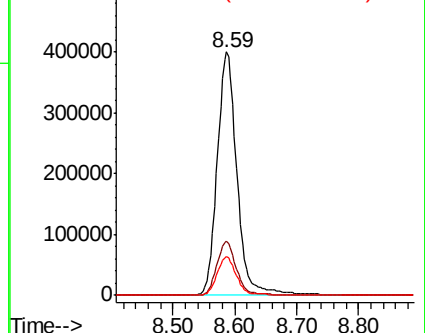
88 15.7 0.0 30.2



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: 49.742 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

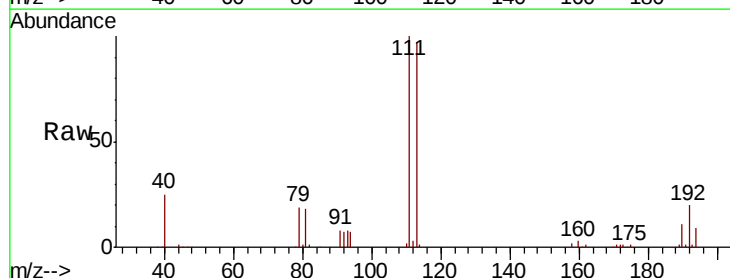
Tgt Ion:113 Resp: 285542

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

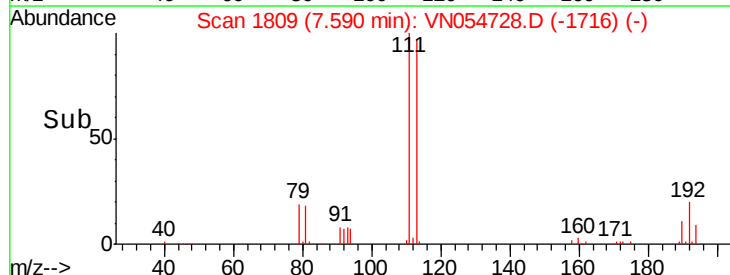
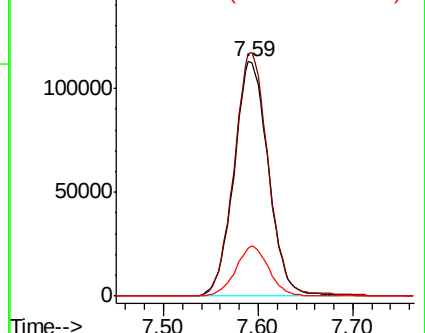
192 20.5 19.2 28.8

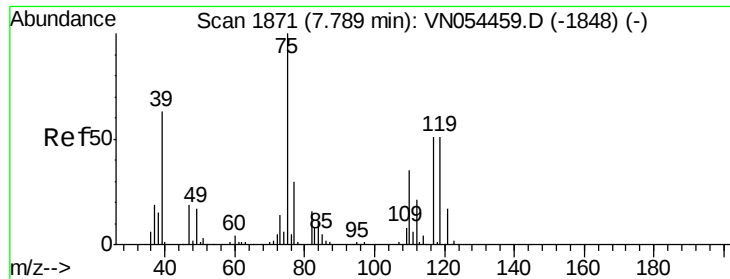


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

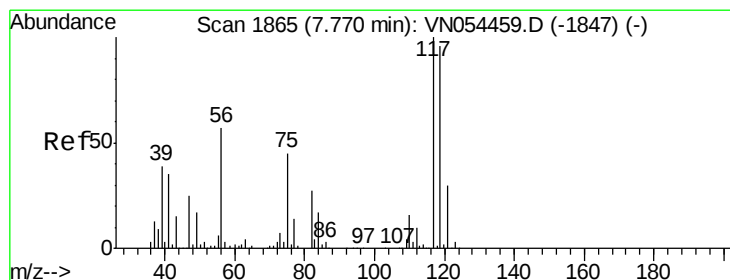
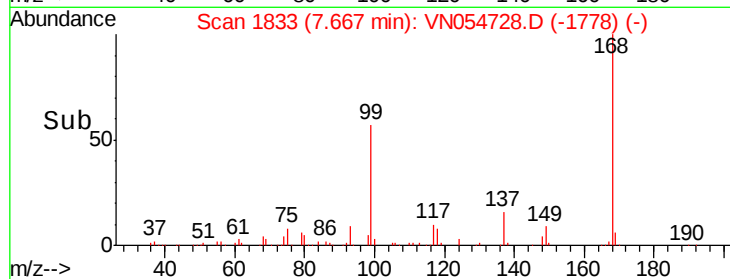
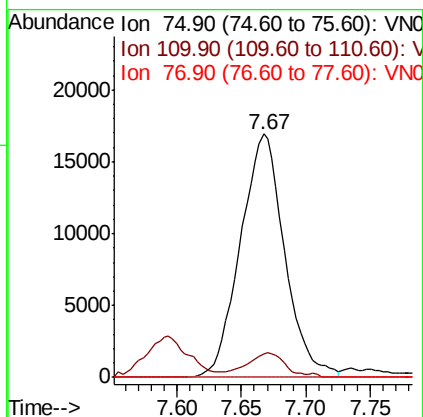
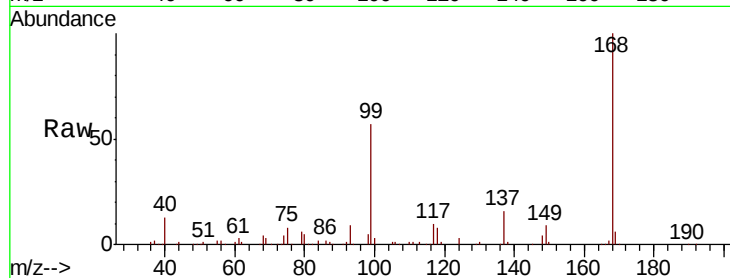




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

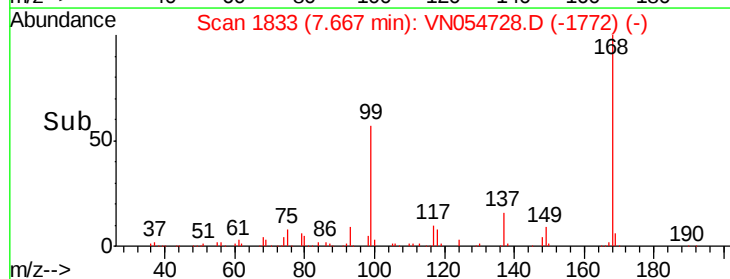
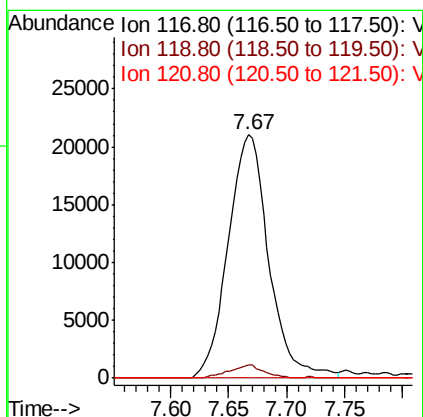
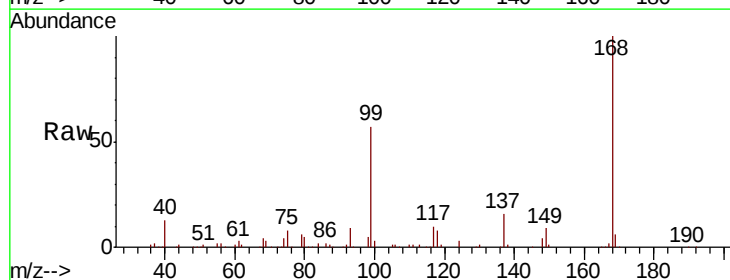
Instrument :
 MSVOA_N
 ClientSampleId :

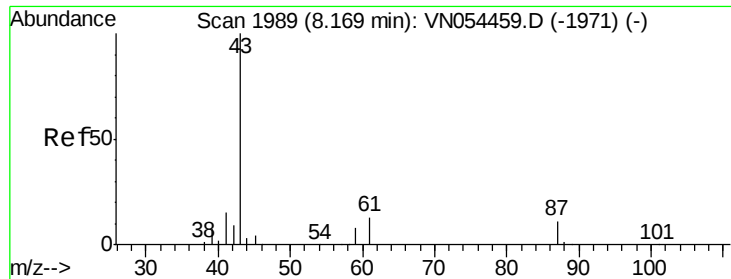
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.318 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.10 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.3	114.5#
121	0.0	24.6	36.8#

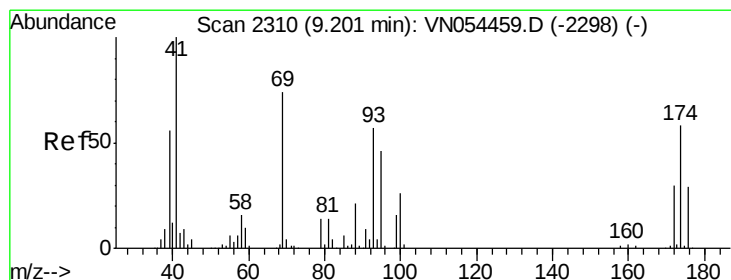
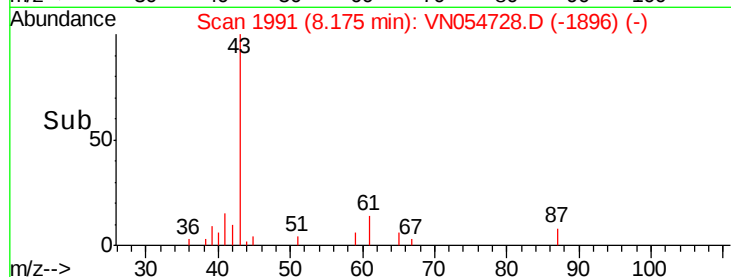
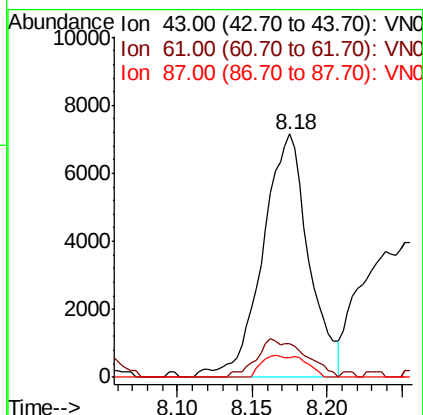
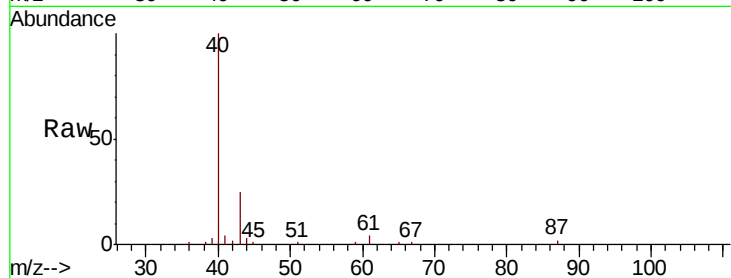




#43
Isopropyl Acetate
Concen: 1.528 ug/l
RT: 8.18 min Scan# 1991
Delta R.T. 0.01 min
Lab File: VN054728.D
Acq: 27 Mar 2019 17:55

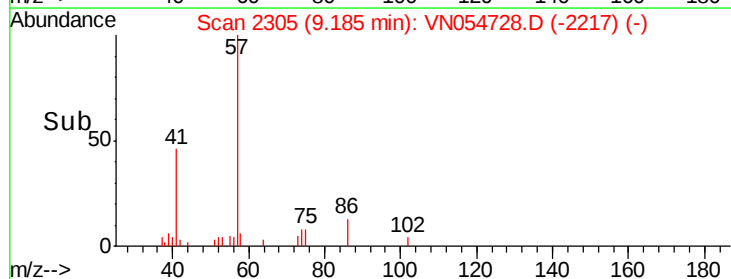
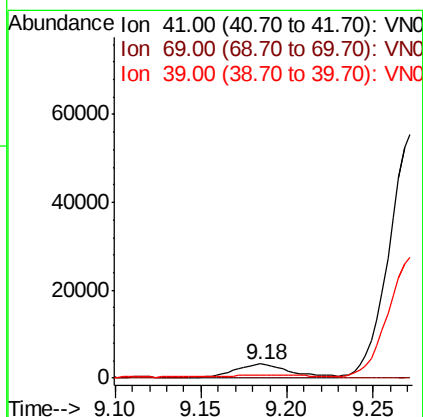
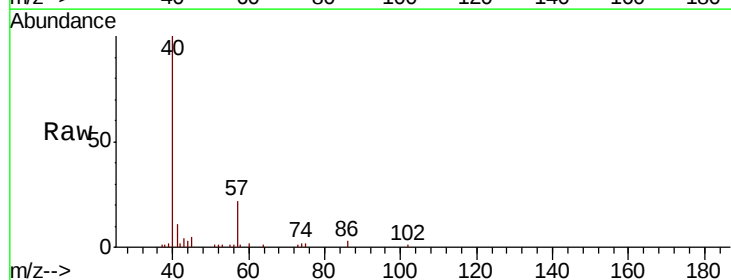
Instrument :
MSVOA_N
ClientSampleId :

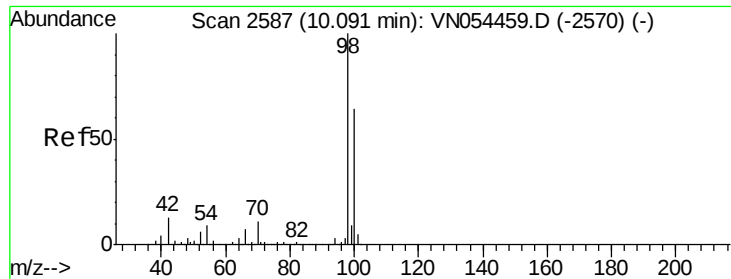
Tot Ion: 43 Resp: 15296
Ion Ratio Lower Upper
43 100
61 16.6 15.8 23.8
87 4.6 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.359 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN054728.D
Acq: 27 Mar 2019 17:55

Tgt Ion: 41 Resp: 7379
Ion Ratio Lower Upper
41 100
69 0.0 72.6 108.8#
39 0.0 47.5 71.3#





#50

Toluene-d8

Concen: 49.473 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

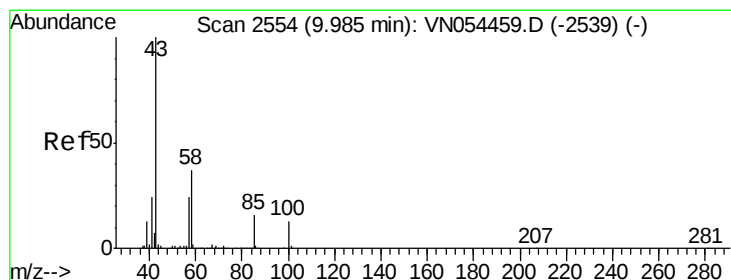
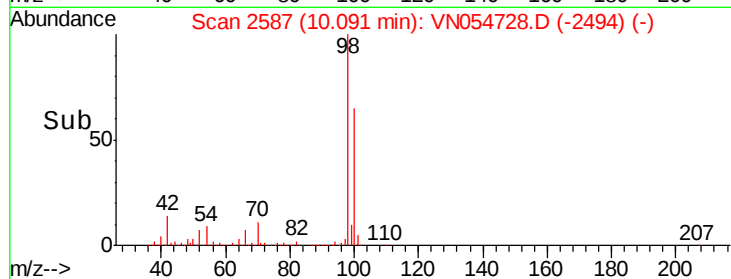
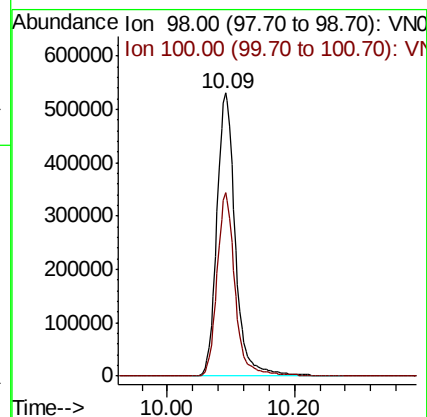
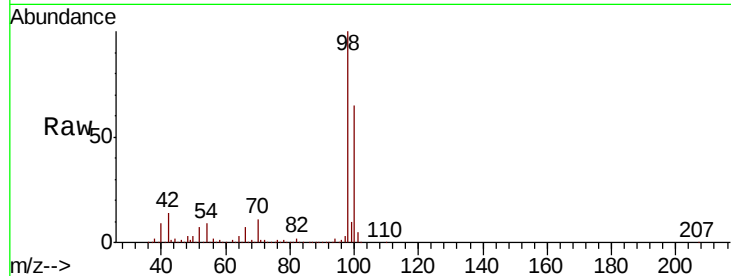
ClientSampled :

Tot Ion: 98 Resp: 1067656

Ion Ratio Lower Upper

98 100

100 63.1 51.2 76.8



#51

4-Methyl-2-Pentanone

Concen: 1.267 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054728.D

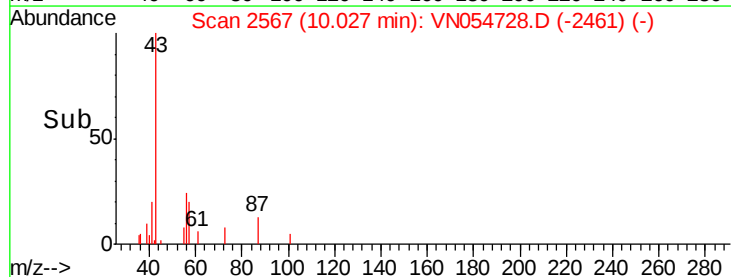
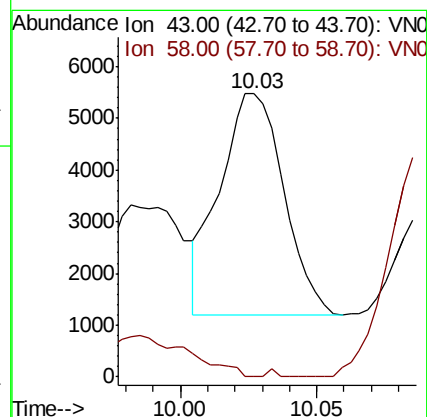
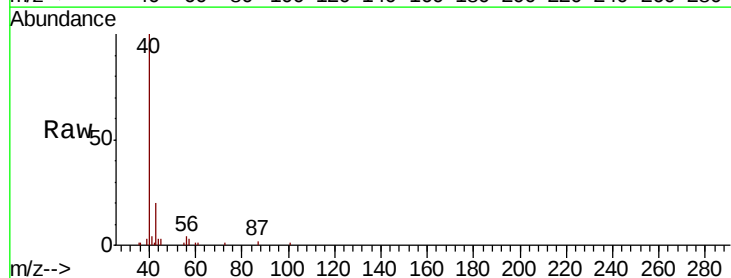
Acq: 27 Mar 2019 17:55

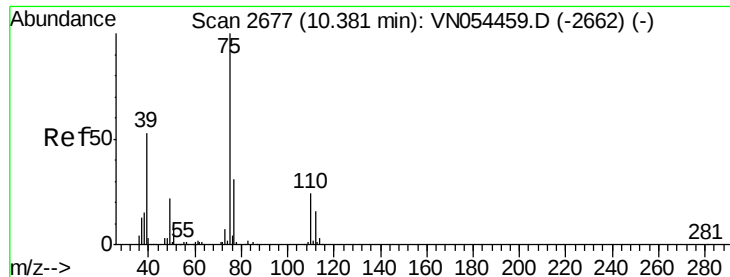
Tgt Ion: 43 Resp: 7026

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#





#53

t-1,3-Dichloropropene

Concen: 2.263 ug/l

RT: 10.10 min Scan# 2590

Delta R.T. -0.28 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

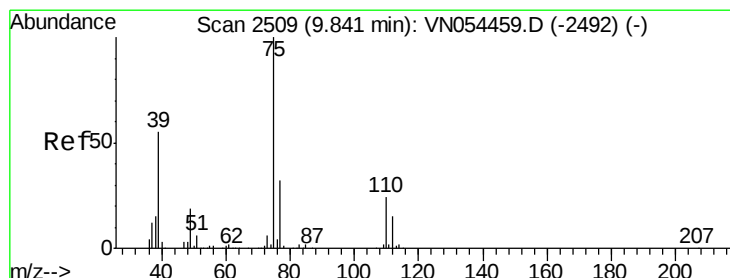
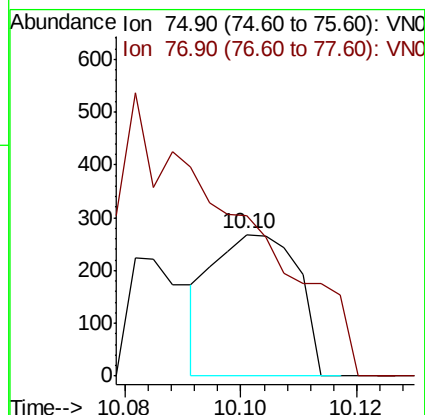
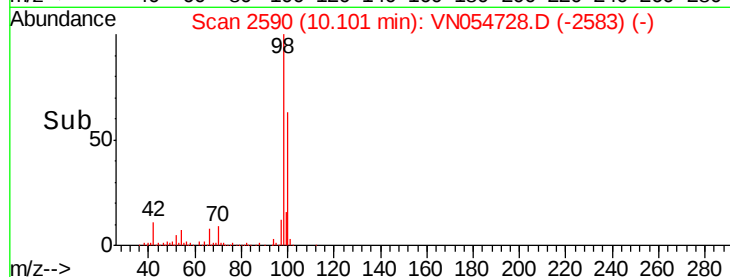
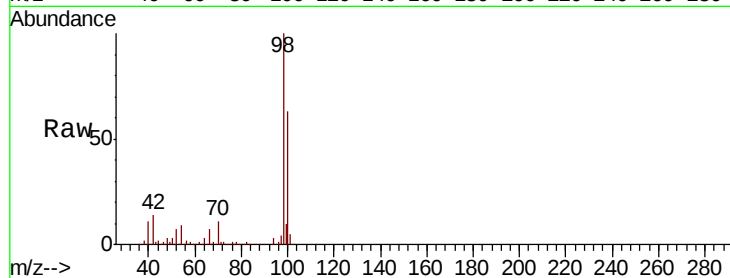
ClientSampled :

Tot Ion: 75 Resp: 273

Ion Ratio Lower Upper

75 100

77 56.3 25.8 38.8#



#54

cis-1,3-Dichloropropene

Concen: 5.555 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

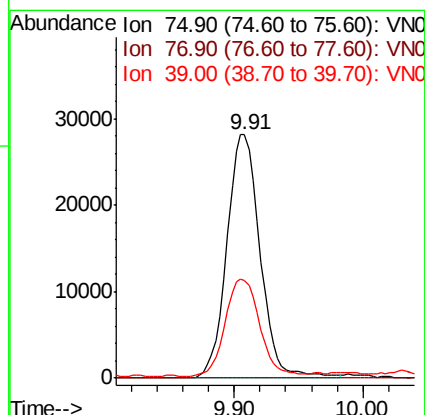
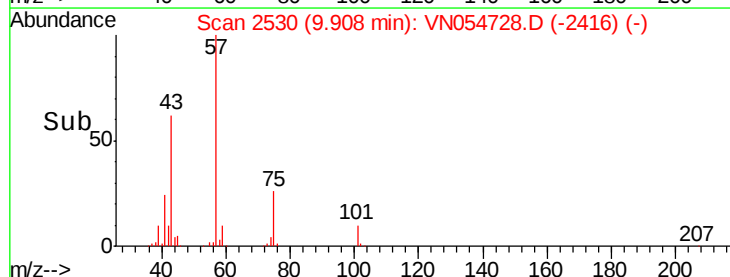
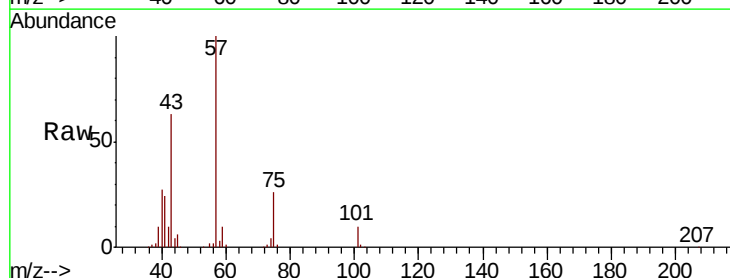
Tgt Ion: 75 Resp: 50444

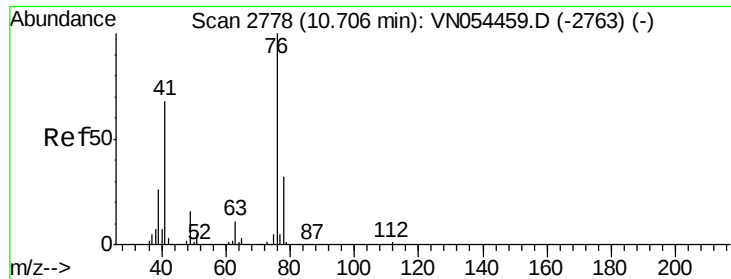
Ion Ratio Lower Upper

75 100

77 0.0 25.4 38.0#

39 39.2 37.2 55.8

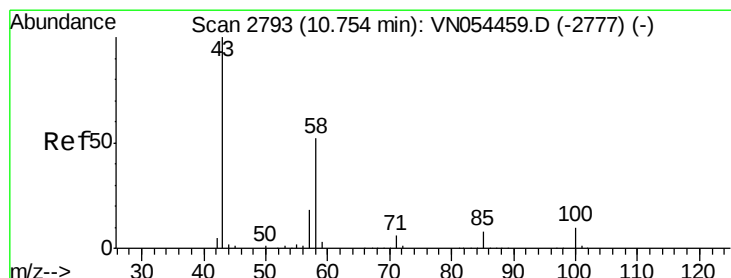
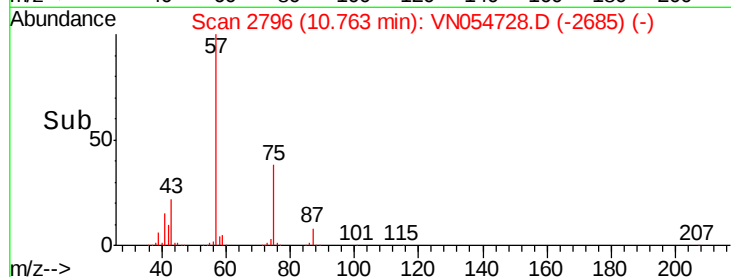
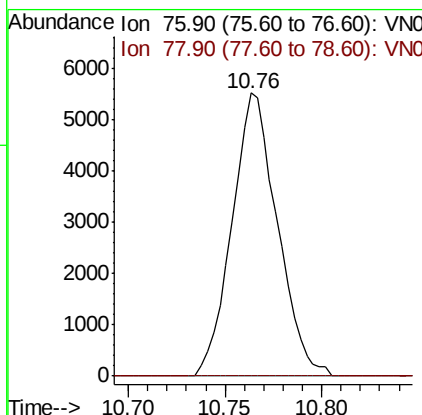
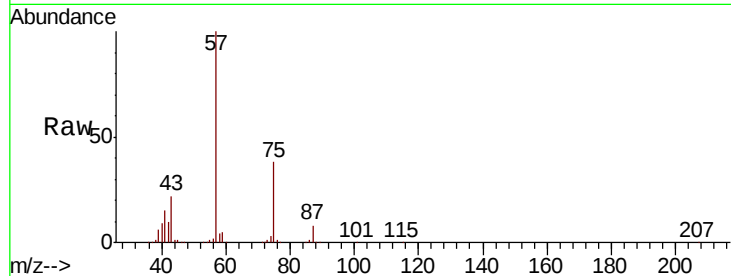




#57
 1,3-Dichloropropane
 Concen: 0.981 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

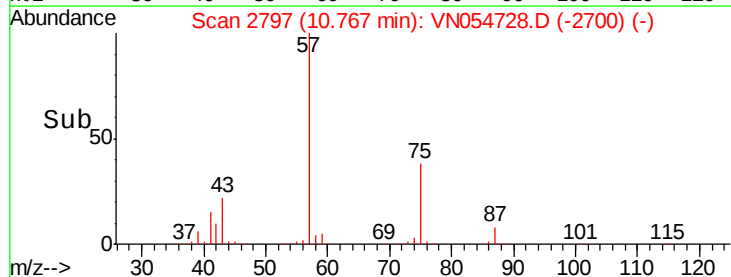
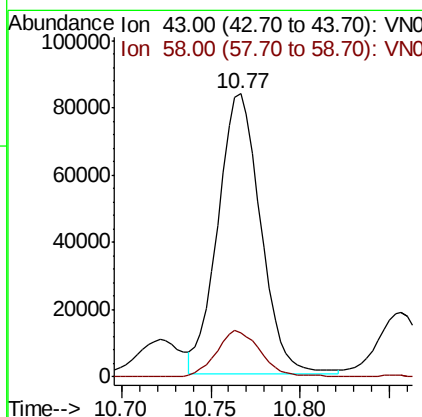
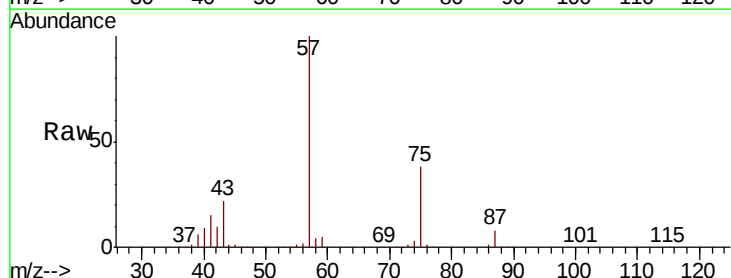
Instrument :
 MSVOA_N
 ClientSampled :

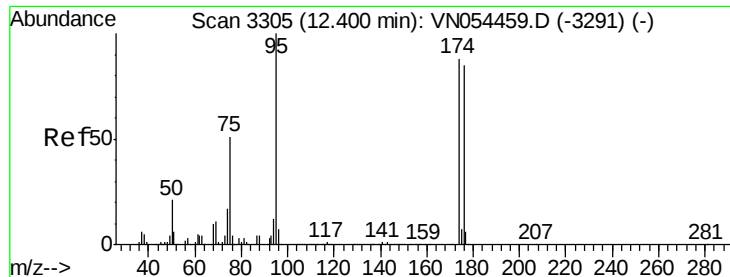
Tot Ion: 76 Resp: 8981
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 38.364 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN054728.D
 Acq: 27 Mar 2019 17:55

Tgt Ion: 43 Resp: 138977
 Ion Ratio Lower Upper
 43 100
 58 17.1 28.0 83.9#





#62

4-Bromofluorobenzene

Concen: 43.640 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampleId :

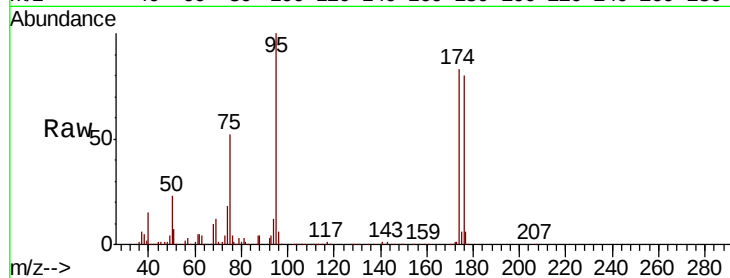
Tot Ion: 95 Resp: 320469

Ion Ratio Lower Upper

95 100

174 85.2 0.0 191.0

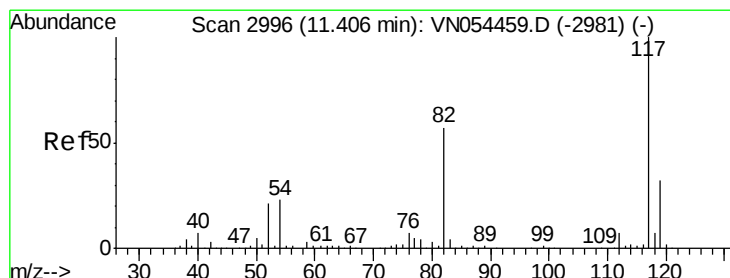
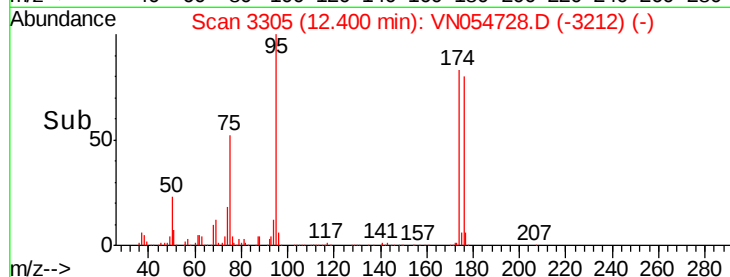
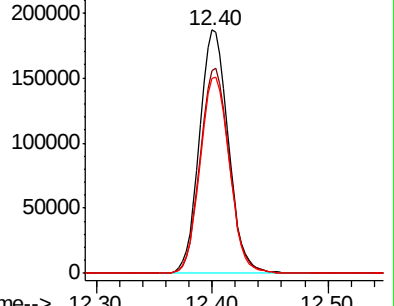
176 82.3 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054728.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054728.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054728.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

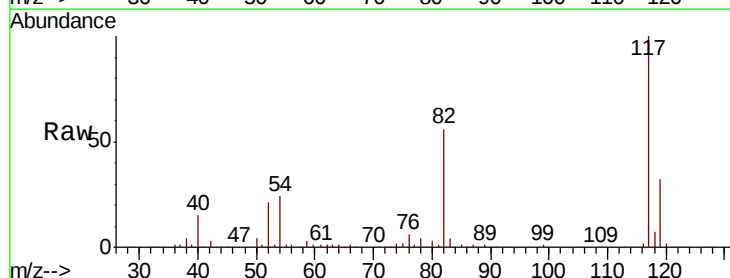
Tgt Ion: 117 Resp: 742873

Ion Ratio Lower Upper

117 100

82 56.2 40.0 60.0

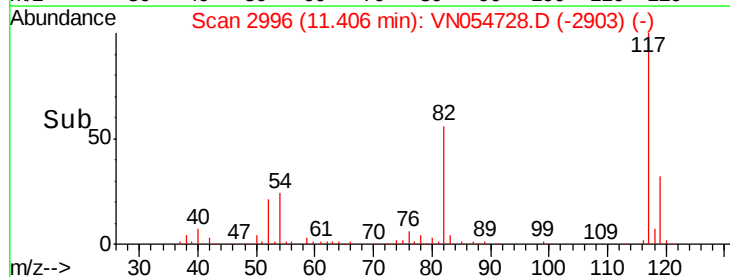
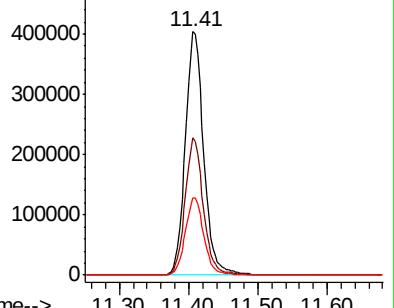
119 32.0 25.8 38.6

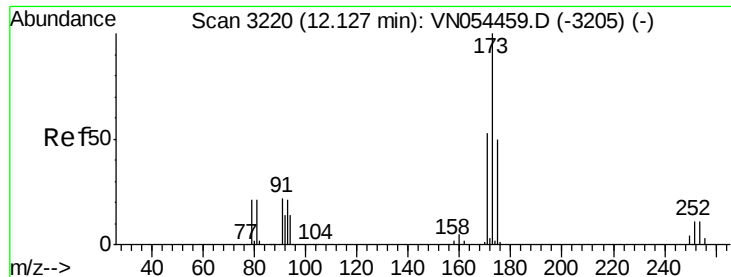


Abundance Ion 116.90 (116.60 to 117.60): VN054728.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054728.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054728.D (-2903) (-)





#71

Bromoform

Concen: 2.685 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

ClientSampled :

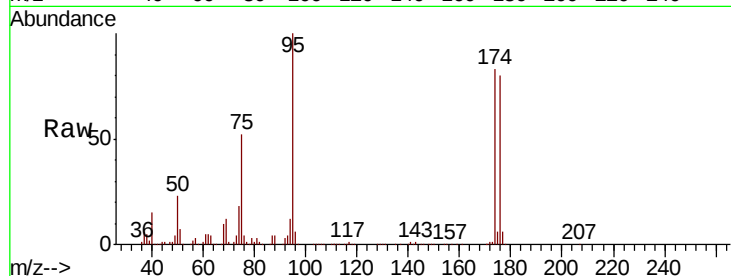
Tot Ion:173 Resp: 1817

Ion Ratio Lower Upper

173 100

175 996.1 24.4 73.2#

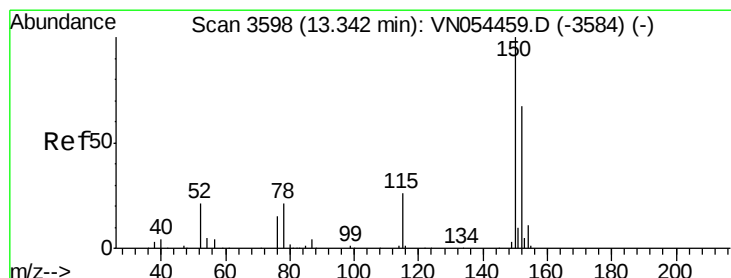
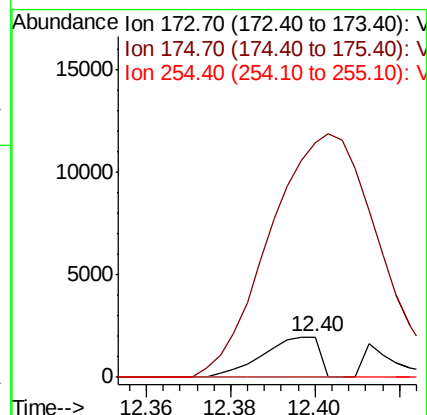
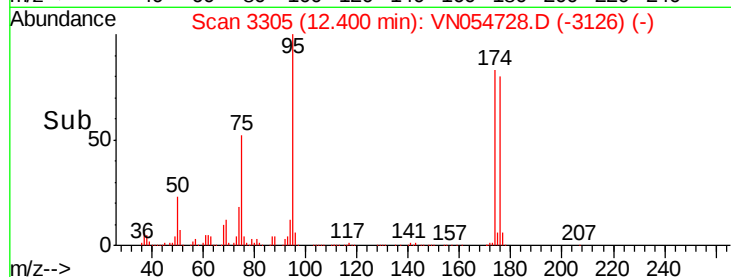
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

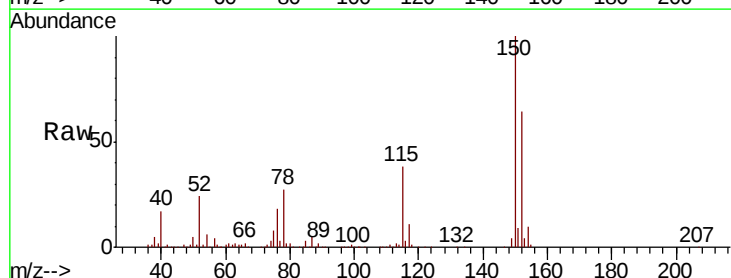
Tgt Ion:152 Resp: 265430

Ion Ratio Lower Upper

152 100

115 58.6 27.2 81.6

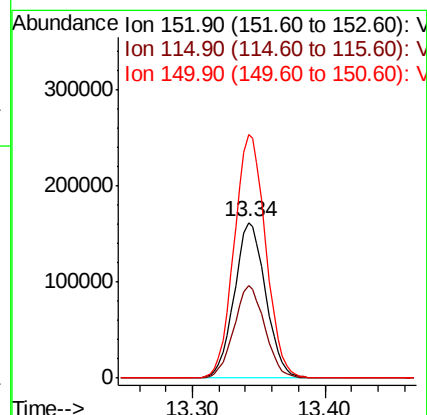
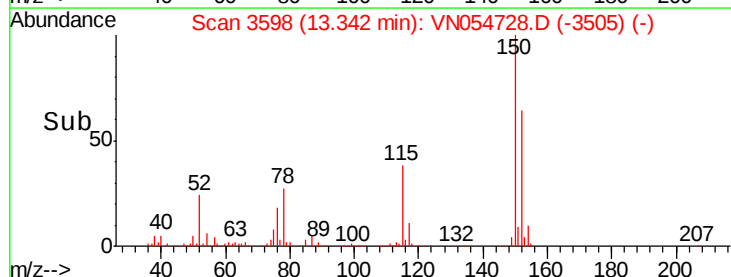
150 157.1 0.0 349.2

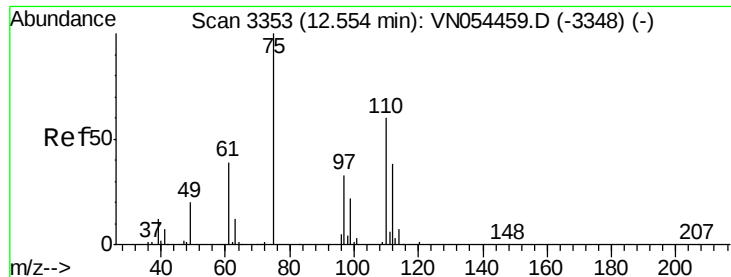


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 39.709 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

Instrument :

MSVOA_N

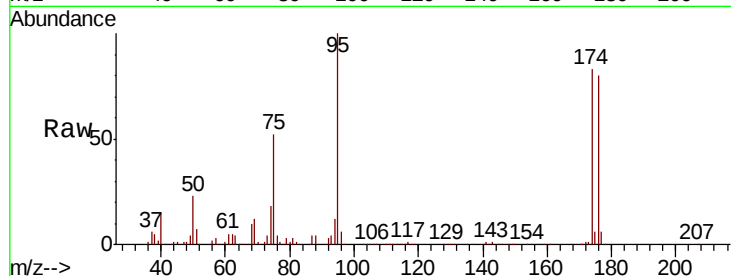
ClientSampled :

Tot Ion: 75 Resp: 167251

Ion Ratio Lower Upper

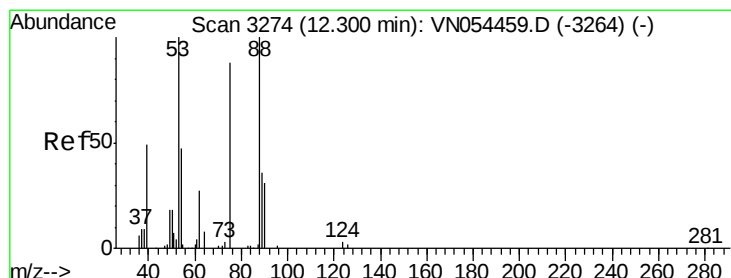
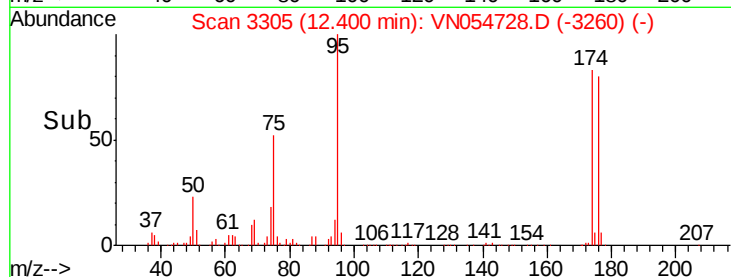
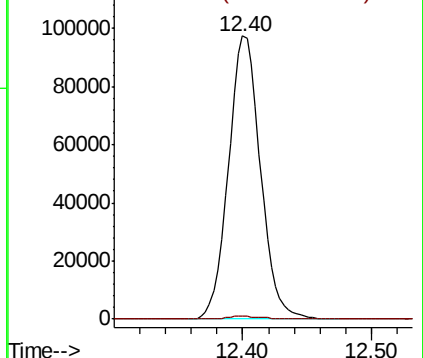
75 100

77 1.0 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: 131.378 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054728.D

Acq: 27 Mar 2019 17:55

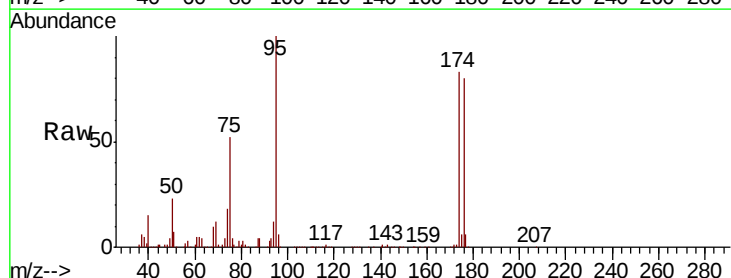
Tgt Ion: 75 Resp: 167251

Ion Ratio Lower Upper

75 100

53 0.1 76.2 114.2#

89 0.0 39.2 58.8#



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

