

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054779.D
 Acq On : 29 Mar 2019 19:18
 Operator : JC/SP
 Sample : K2163-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 21:46:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

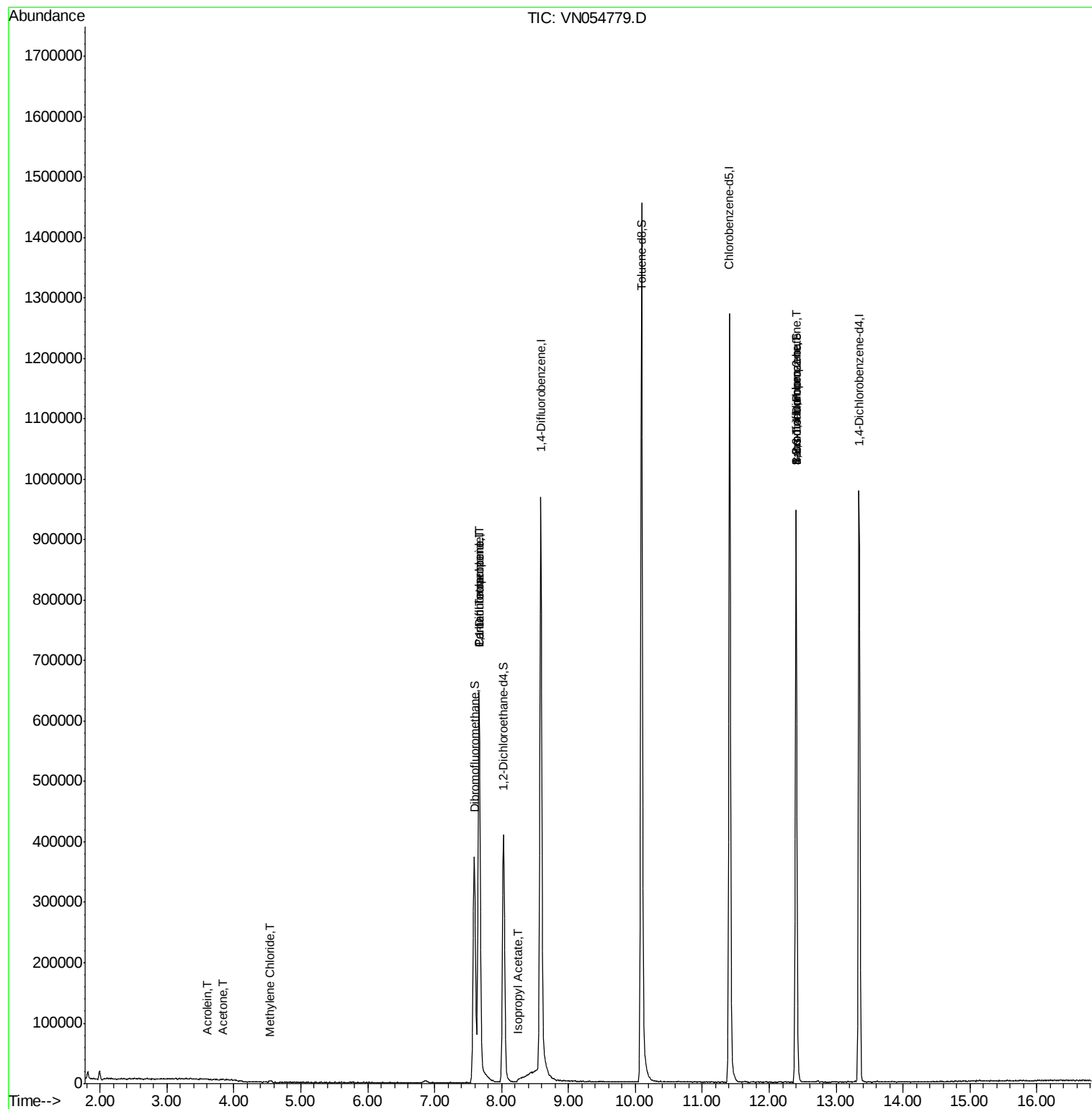
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	556069	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	892595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	751332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	265893	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	359644	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
35) Dibromofluoromethane	7.59	113	282334	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
50) Toluene-d8	10.09	98	1071981	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
62) 4-Bromofluorobenzene	12.40	95	322898	43.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.76%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.59	94	140	Below Cal		96
13) Acrolein	3.61	56	292	0.836 ug/l		97
16) Acetone	3.83	43	1190	0.666 ug/l		100
18) Methyl Acetate	4.34	43	569	Below Cal	#	49
20) Methylene Chloride	4.55	84	1507	0.239 ug/l	#	87
31) Cyclohexane	7.66	56	12144	Below Cal	#	28
36) 1,1-Dichloropropene	7.66	75	41759	5.021 ug/l	#	47
38) Carbon Tetrachloride	7.67	117	52321	6.477 ug/l	#	15
43) Isopropyl Acetate	8.25	43	3006	0.303 ug/l	#	60
71) Bromoform	12.40	173	2131	0.661 ug/l	#	1
75) 1,1,2,2-Tetrachloroethane	12.40	83	297	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	171152	37.052 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	171152	144.125 ug/l	#	11
83) tert-Butylbenzene	12.99	119	302	Below Cal	#	76

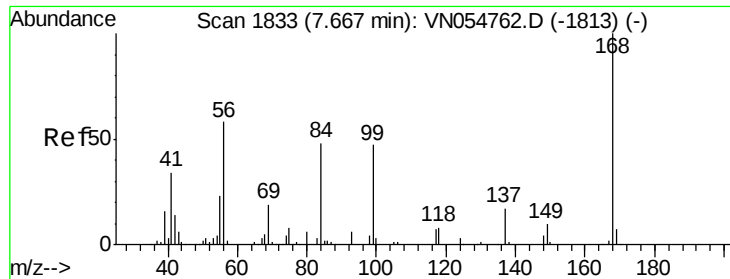
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054779.D

Acq: 29 Mar 2019 19:18

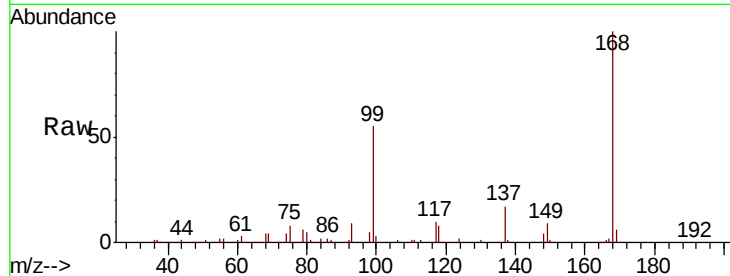
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 556069

Ion Ratio Lower Upper

168 100

99 54.6 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

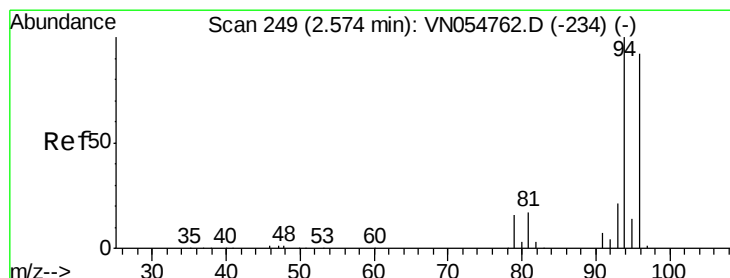
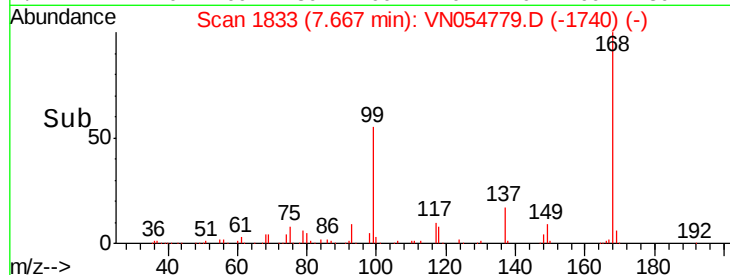
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.59 min Scan# 253

Delta R.T. 0.01 min

Lab File: VN054779.D

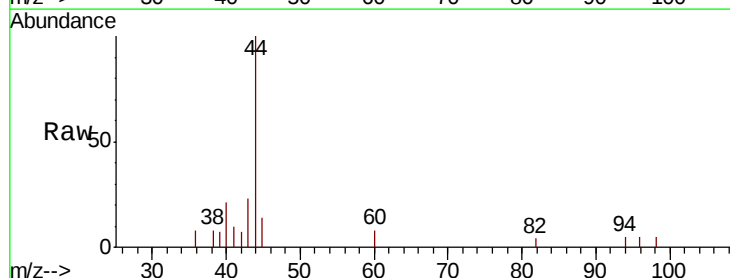
Acq: 29 Mar 2019 19:18

Tgt Ion: 94 Resp: 140

Ion Ratio Lower Upper

94 100

96 100.5 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.59

200

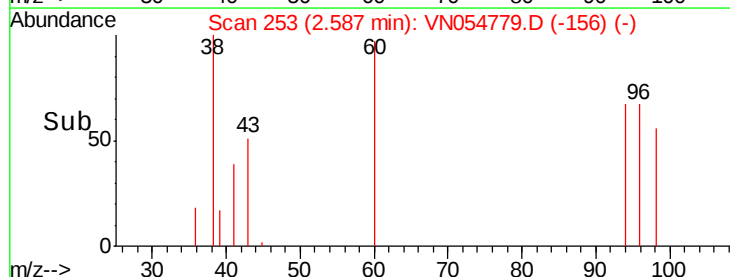
150

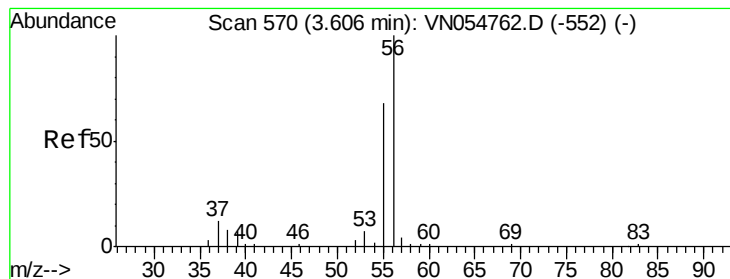
100

50

0

Time-->





#13

Acrolein

Concen: 0.836 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN054779.D

Acq: 29 Mar 2019 19:18

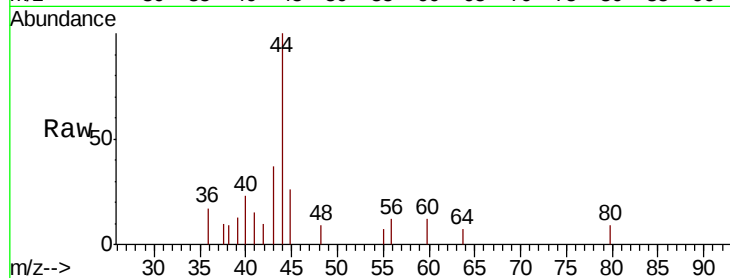
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 292

Ion Ratio Lower Upper

56 100

55 68.2 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

250

200

150

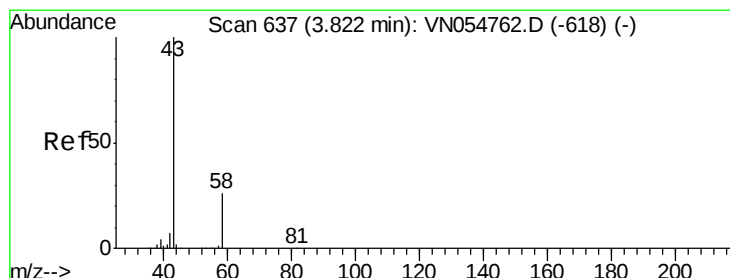
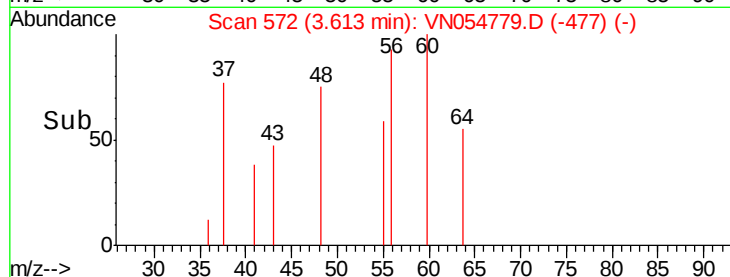
100

50

0

3.60 3.62 3.64

Time-->



#16

Acetone

Concen: 0.666 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054779.D

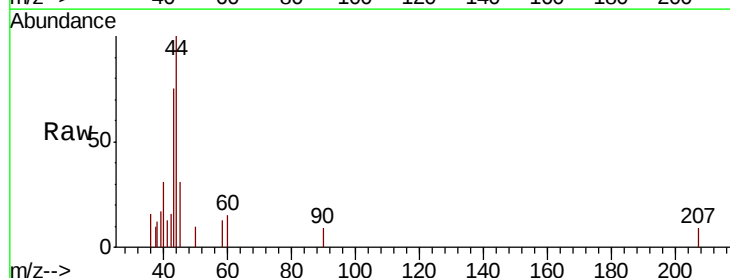
Acq: 29 Mar 2019 19:18

Tgt Ion: 43 Resp: 1190

Ion Ratio Lower Upper

43 100

58 37.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500

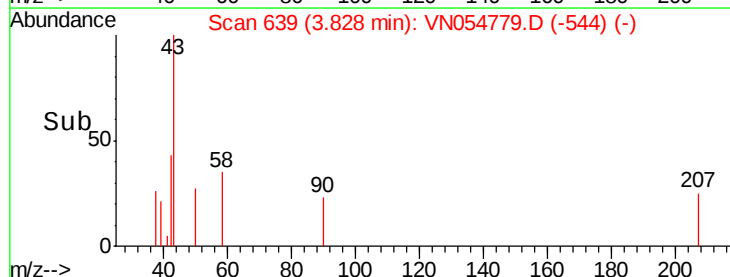
1000

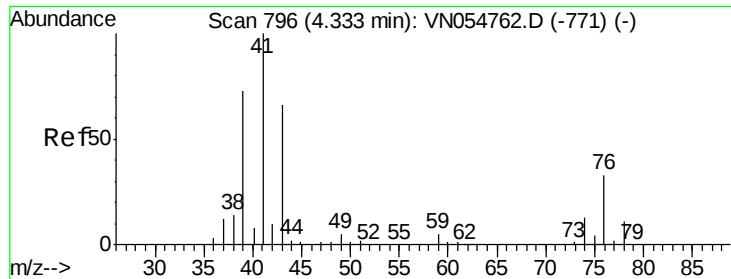
500

0

3.80 3.85

Time-->

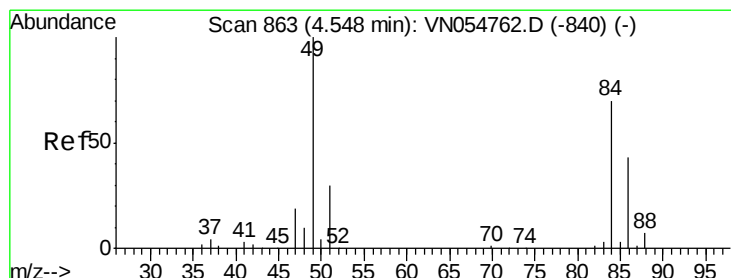
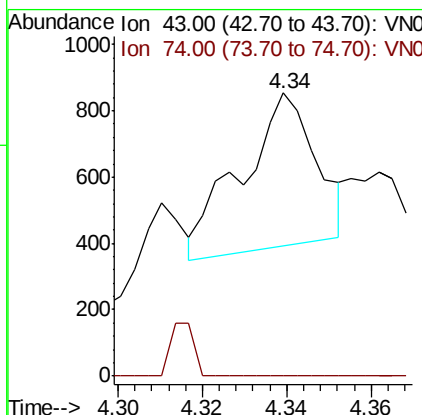
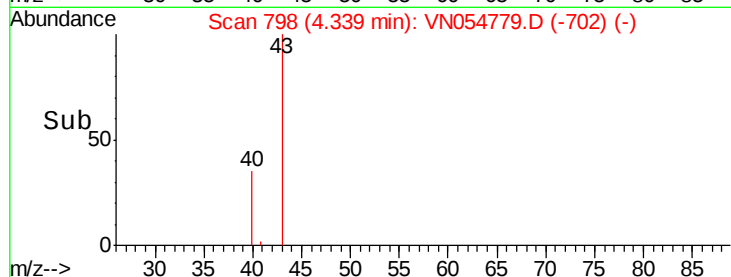
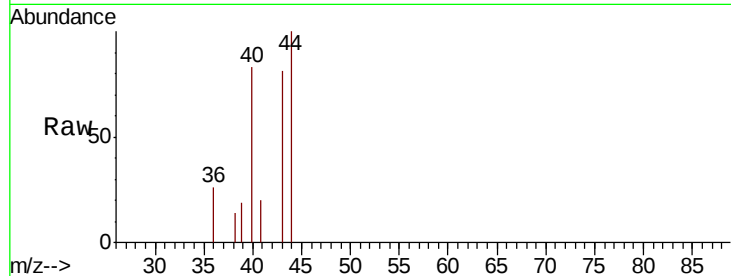




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

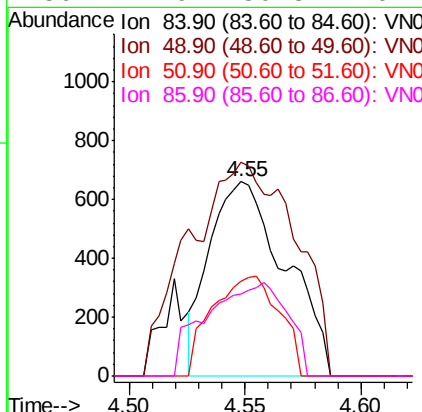
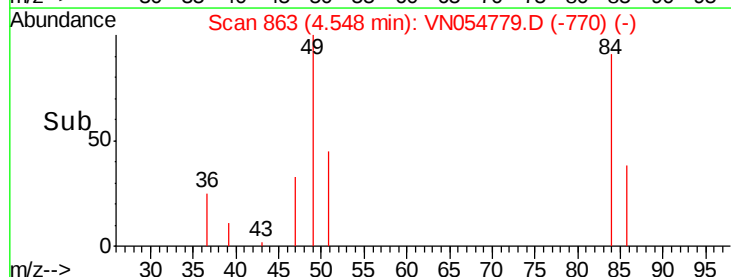
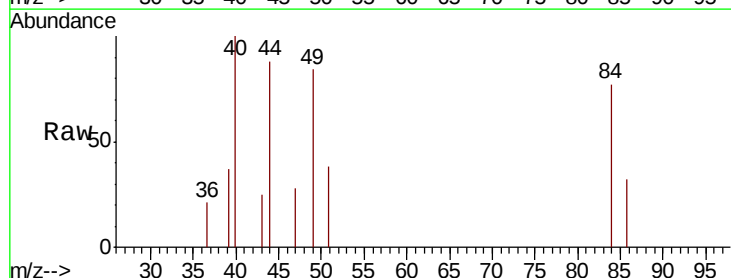
Instrument :
MSVOA_N
ClientSampled :

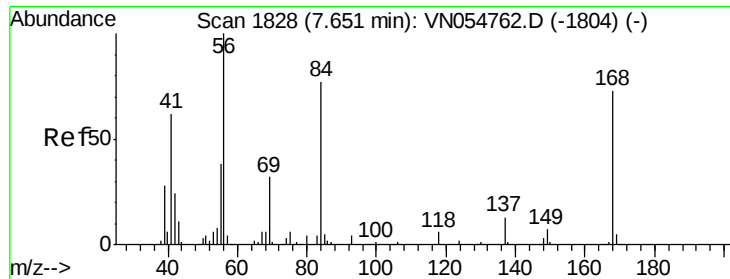
Tot Ion: 43 Resp: 569
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

Tgt Ion: 84 Resp: 1507
Ion Ratio Lower Upper
84 100
49 109.8 89.7 134.5
51 49.0 28.2 42.4#
86 41.9 50.8 76.2#

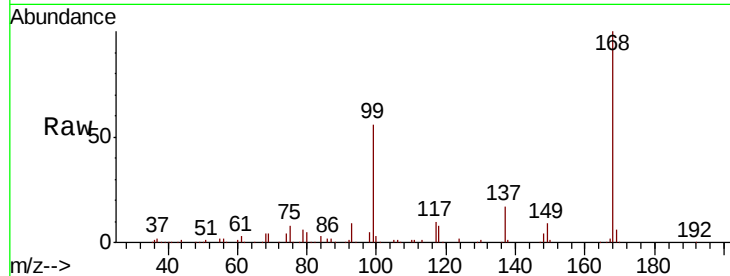




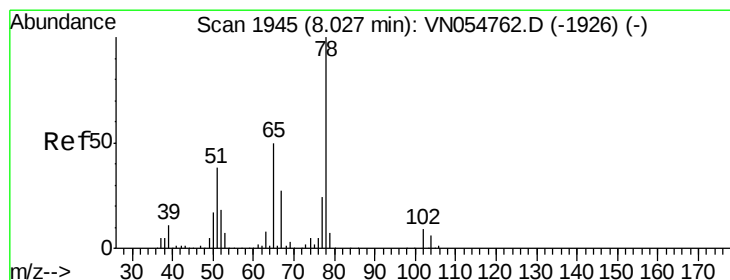
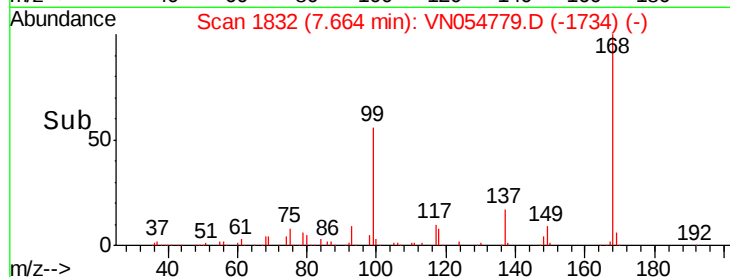
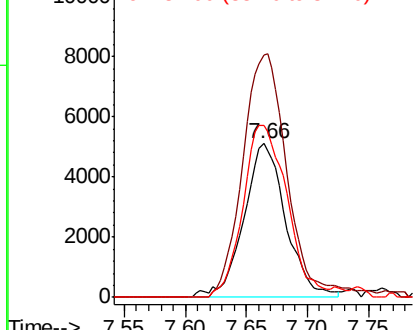
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 12144
Ion Ratio Lower Upper
56 100
69 157.6 27.8 41.6#
84 111.5 74.6 111.8

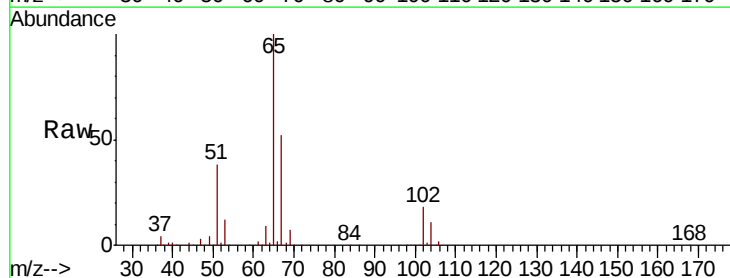


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

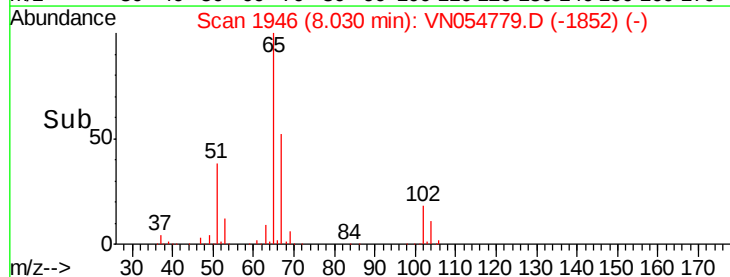
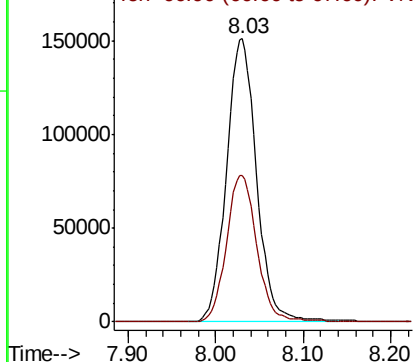


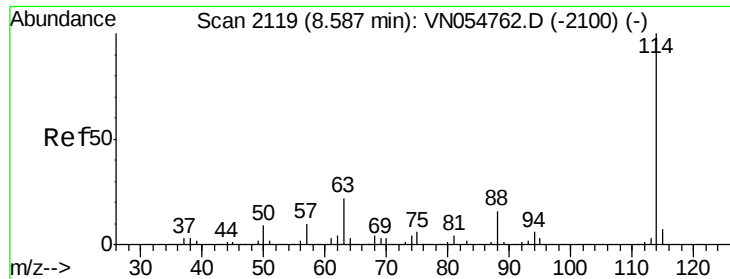
#33
1,2-Dichloroethane-d4
Concen: 47.978 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

Tgt Ion: 65 Resp: 359644
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6



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

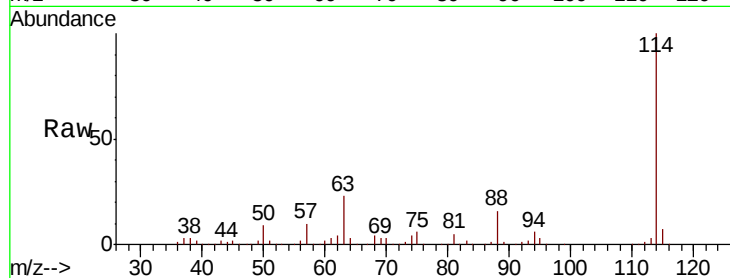




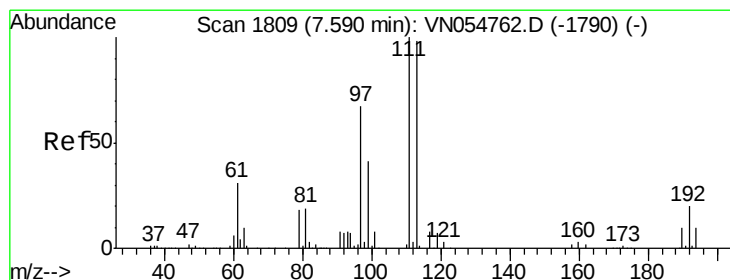
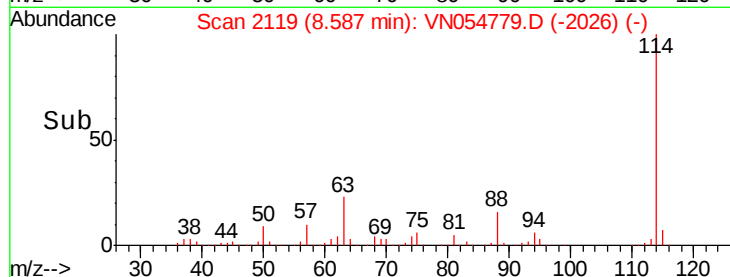
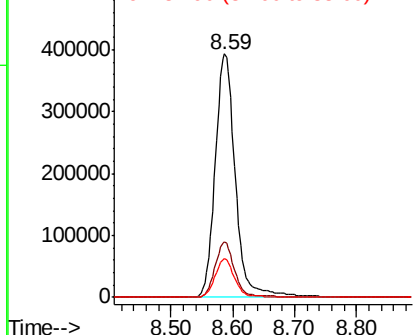
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	35.2
88	15.9	0.0	30.2

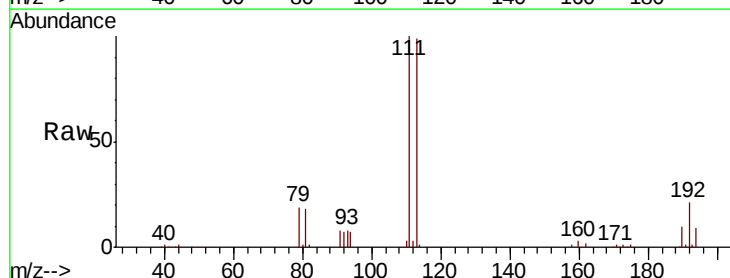


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

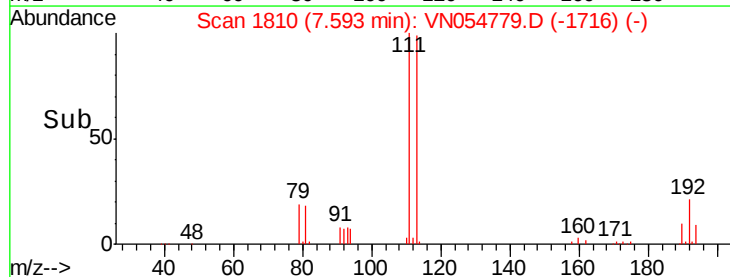
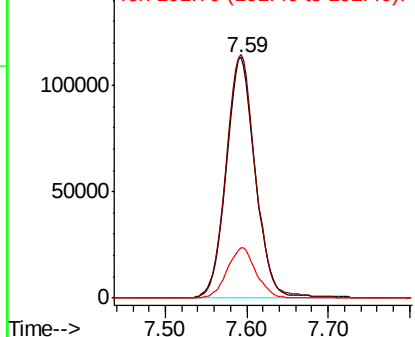


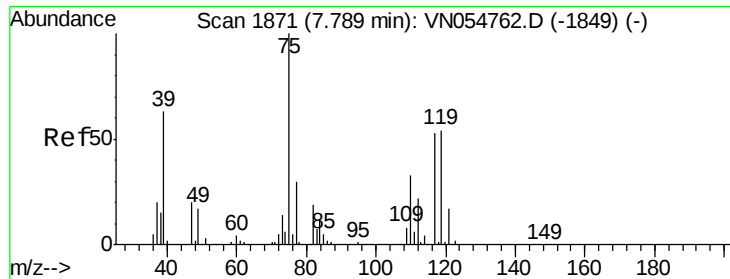
#35
 Dibromofluoromethane
 Concen: 47.444 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.0	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

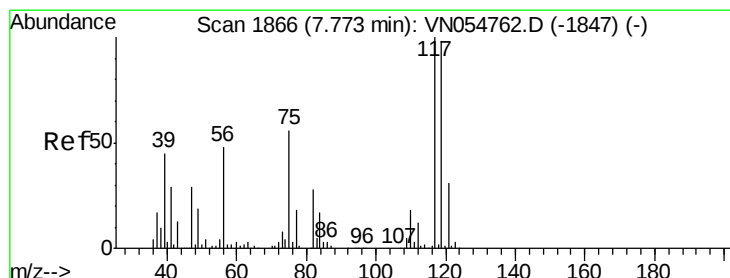
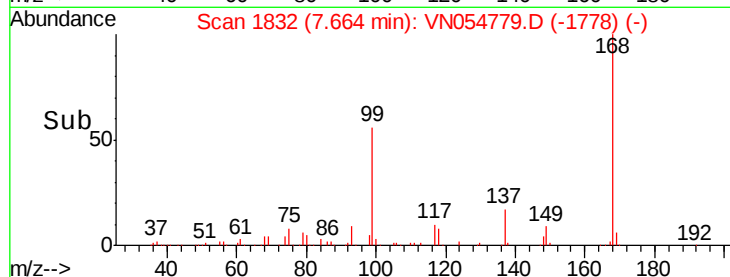
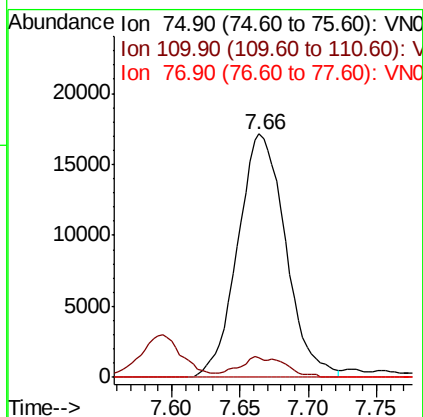
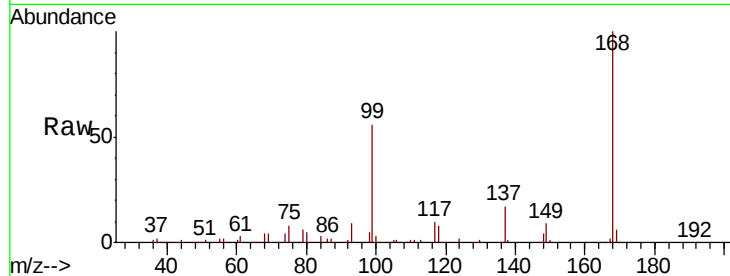




#36
 1,1-Dichloropropene
 Concen: 5.021 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

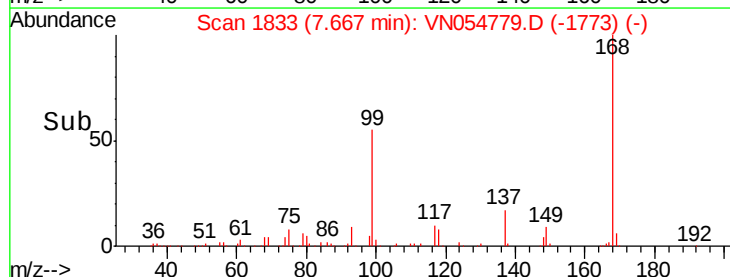
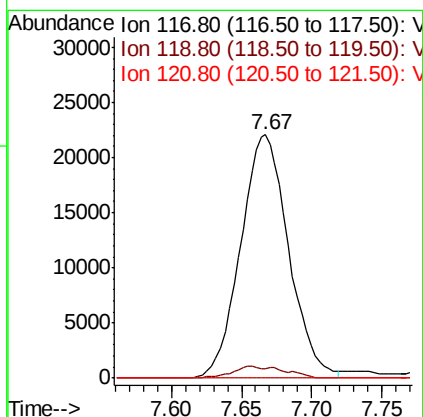
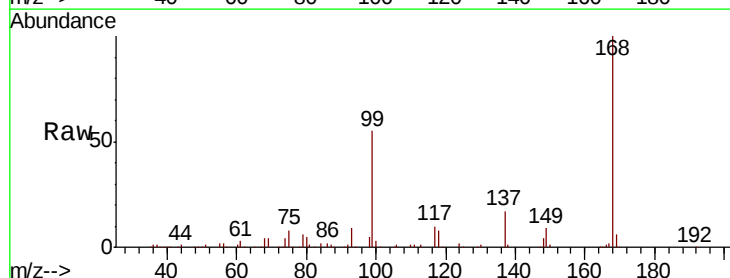
Instrument :
 MSVOA_N
 ClientSampleId :

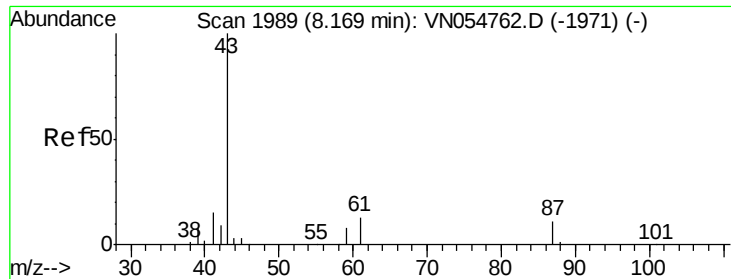
Tot Ion	75	Resp	41759
Ion Ratio	Lower	Upper	
75	100		
110	8.2	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 6.477 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

Tgt Ion	117	Resp	52321
Ion Ratio	Lower	Upper	
117	100		
119	3.9	76.3	114.5#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.303 ug/l

RT: 8.25 min Scan# 2015

Delta R.T. 0.08 min

Lab File: VN054779.D

Acq: 29 Mar 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

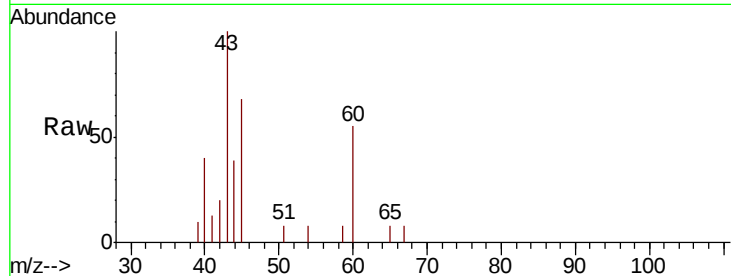
Tot Ion: 43 Resp: 3006

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

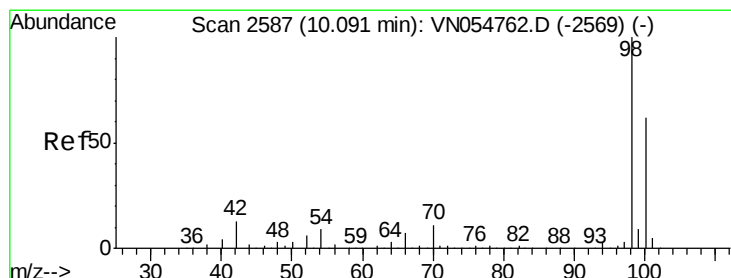
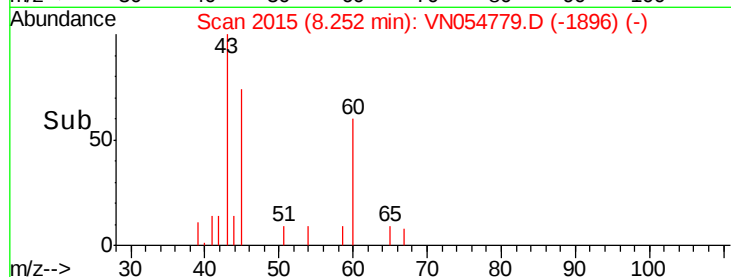
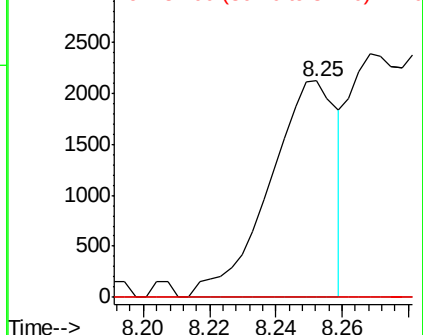
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054779.D (-2015) (-)

Ion 61.00 (60.70 to 61.70): VN054779.D (-2015) (-)

Ion 87.00 (86.70 to 87.70): VN054779.D (-2015) (-)



#50

Toluene-d8

Concen: 48.453 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054779.D

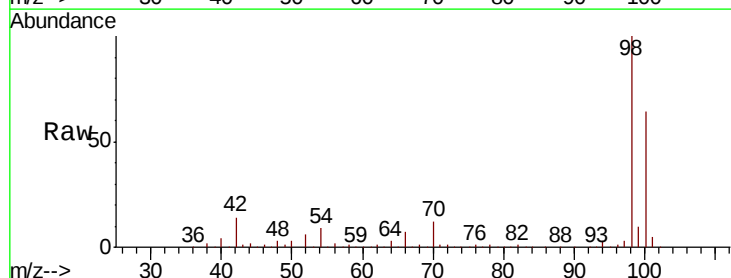
Acq: 29 Mar 2019 19:18

Tgt Ion: 98 Resp: 1071981

Ion Ratio Lower Upper

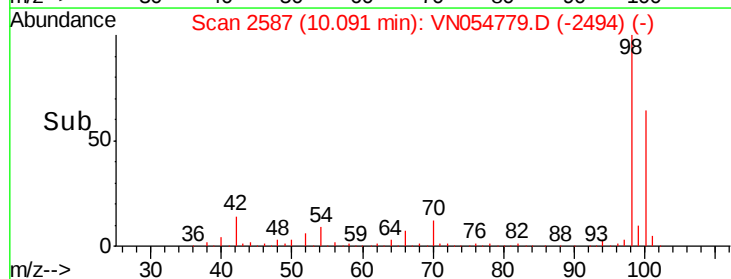
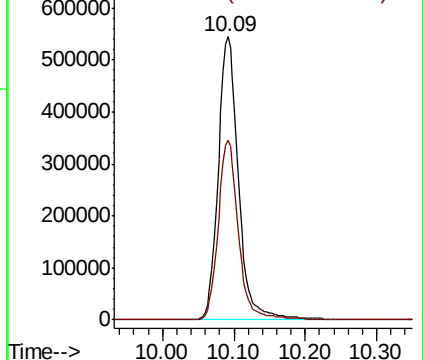
98 100

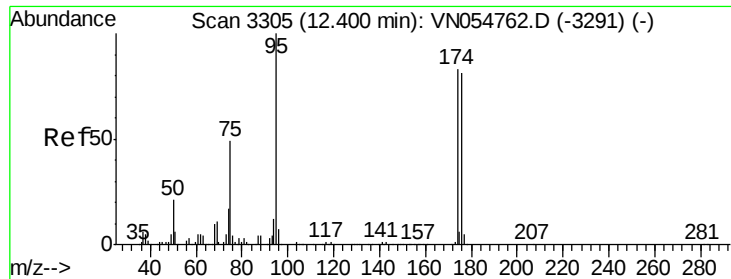
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054779.D (-2587) (-)

Ion 100.00 (99.70 to 100.70): VN054779.D (-2587) (-)

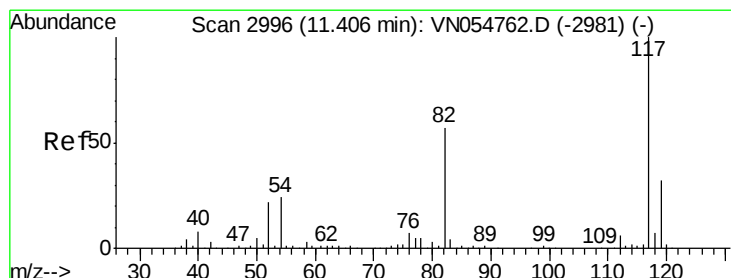
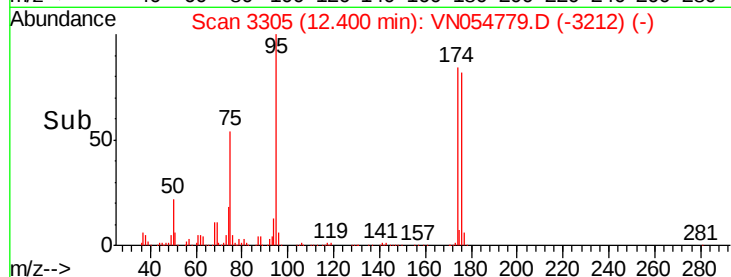
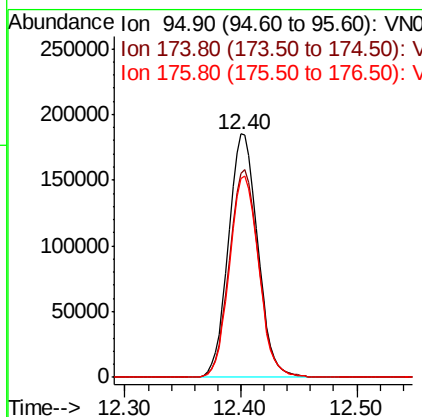
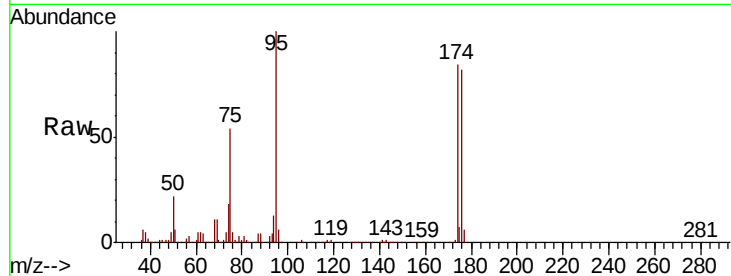




#62
4-Bromofluorobenzene
Concen: 43.885 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

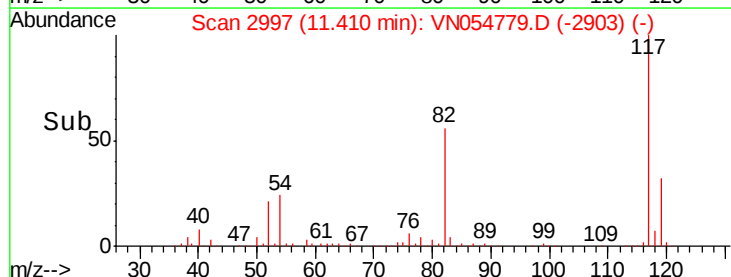
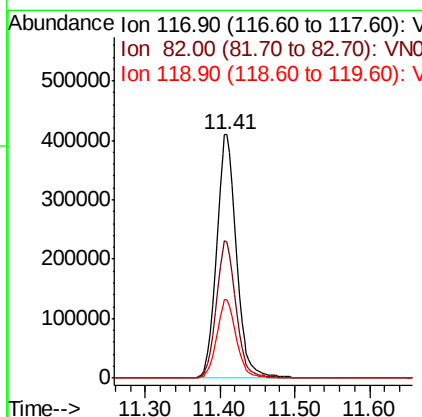
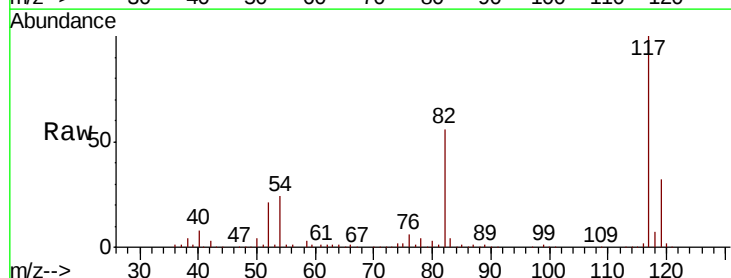
Instrument :
MSVOA_N
ClientSampleId :

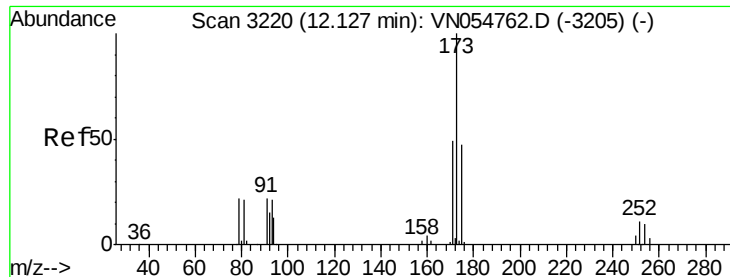
Tot Ion: 95 Resp: 322898
Ion Ratio Lower Upper
95 100
174 85.6 0.0 191.0
176 82.3 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054779.D
Acq: 29 Mar 2019 19:18

Tgt Ion: 117 Resp: 751332
Ion Ratio Lower Upper
117 100
82 55.6 40.0 60.0
119 32.2 25.8 38.6





#71

Bromoform

Concen: 0.661 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN054779.D

Acq: 29 Mar 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

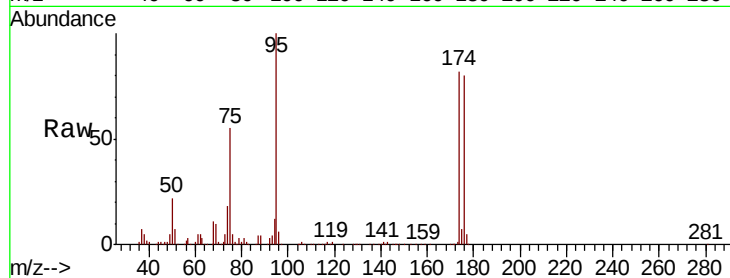
Tot Ion:173 Resp: 2131

Ion Ratio Lower Upper

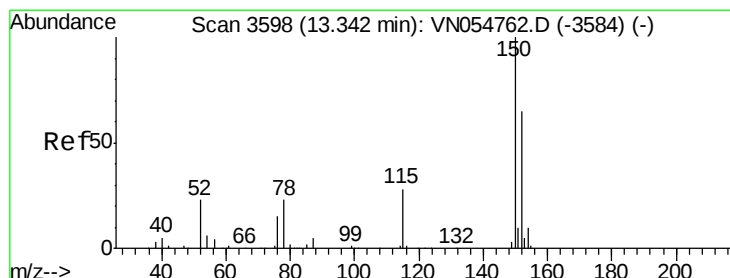
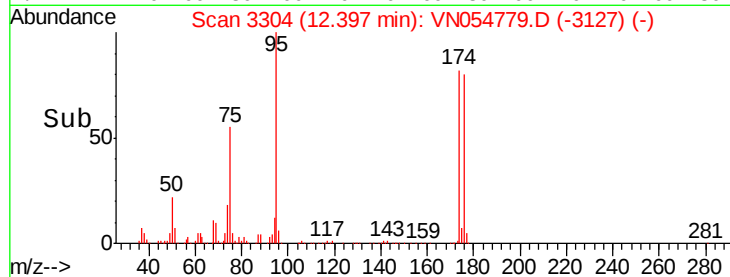
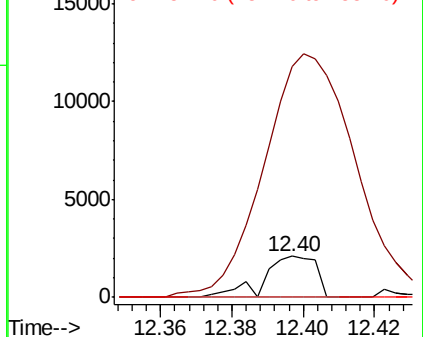
173 100

175 884.4 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: VN054779.D

Acq: 29 Mar 2019 19:18

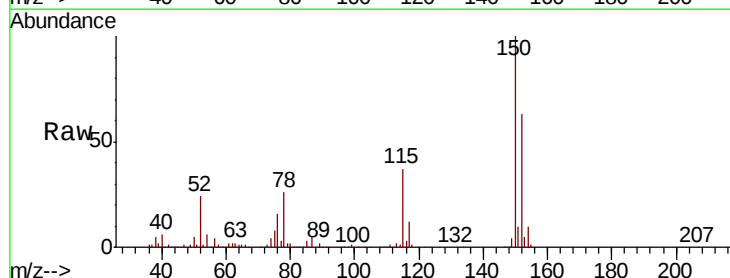
Tgt Ion:152 Resp: 265893

Ion Ratio Lower Upper

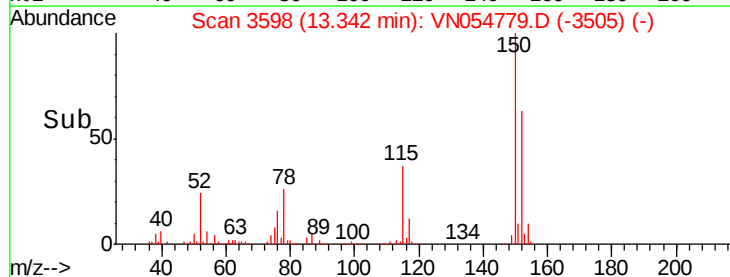
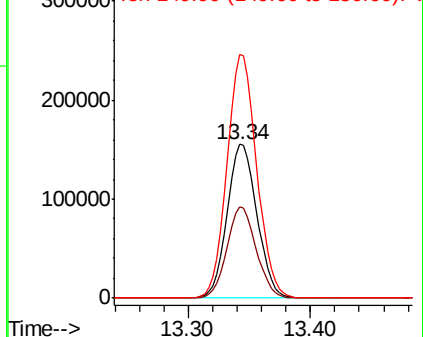
152 100

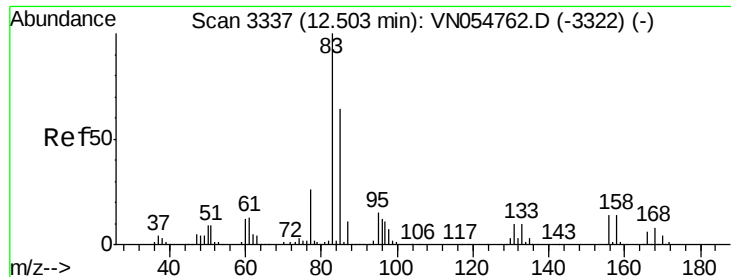
115 58.2 27.2 81.6

150 157.5 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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN054779.D

Acq: 29 Mar 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

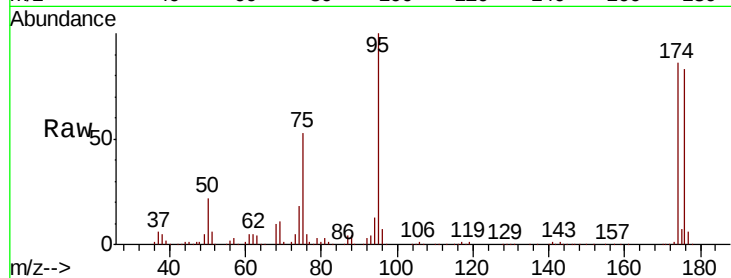
Tot Ion: 83 Resp: 297

Ion Ratio Lower Upper

83 100

131 121.9 5.8 17.4#

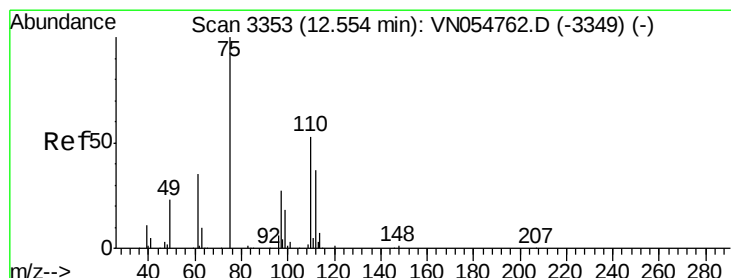
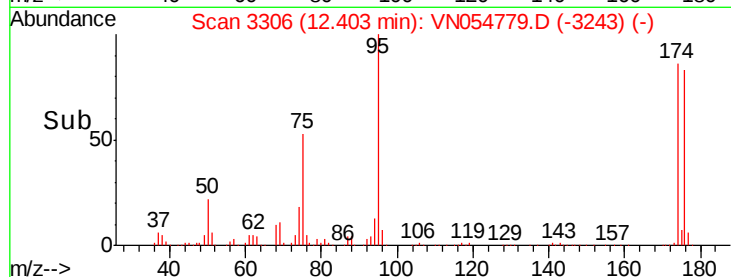
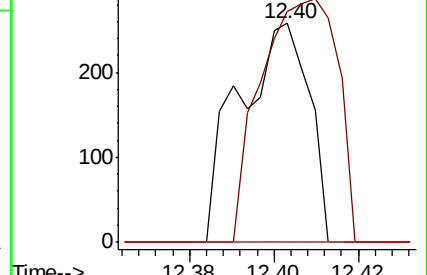
85 0.0 32.2 96.6#



Abundance Ion 82.90 (82.60 to 83.60): VN054779.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN054779.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN054779.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 37.052 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054779.D

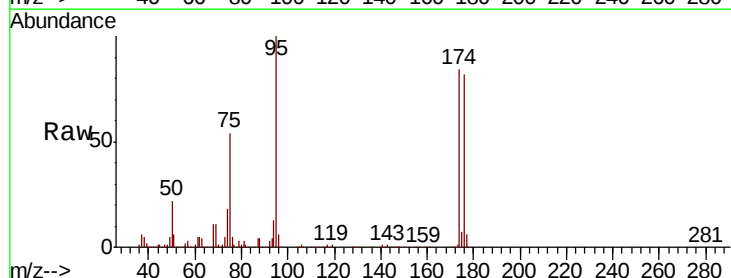
Acq: 29 Mar 2019 19:18

Tgt Ion: 75 Resp: 171152

Ion Ratio Lower Upper

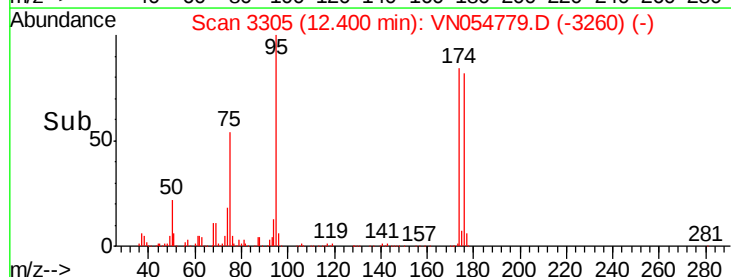
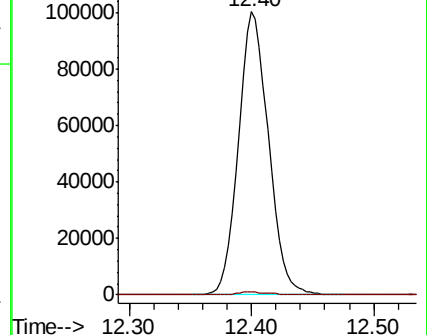
75 100

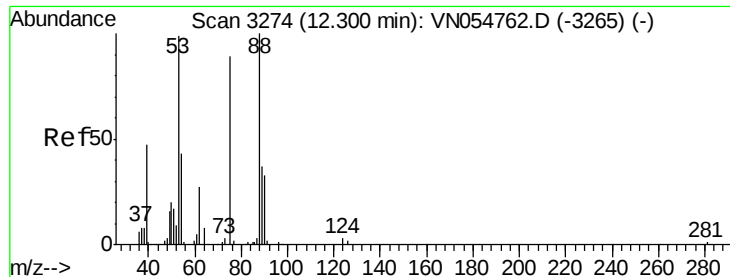
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054779.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054779.D (-3260) (-)

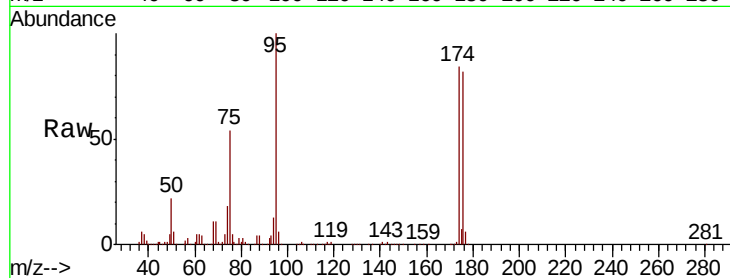




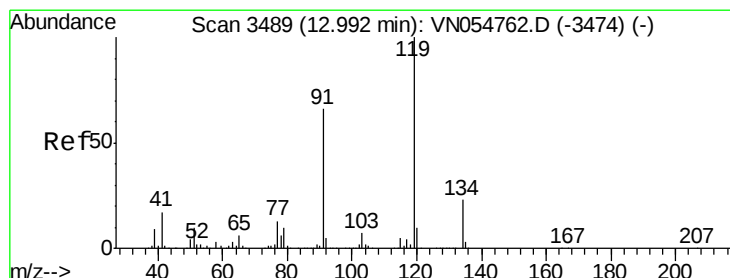
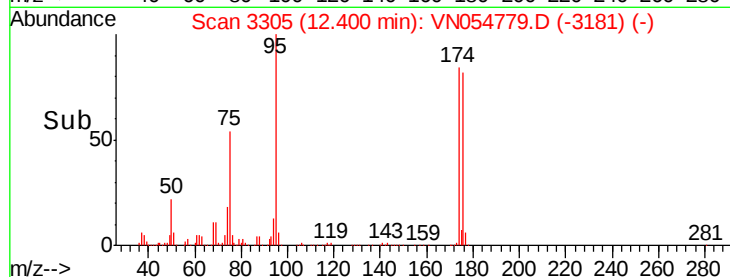
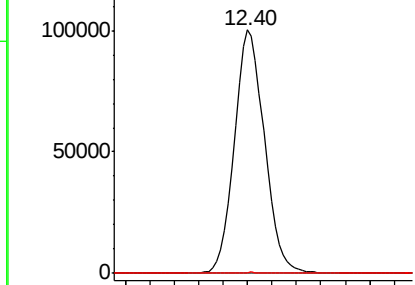
#81
 trans-1,4-Dichloro-2-butene
 Concen: 144.125 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 75 Resp: 171152
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.1 39.2 58.8#

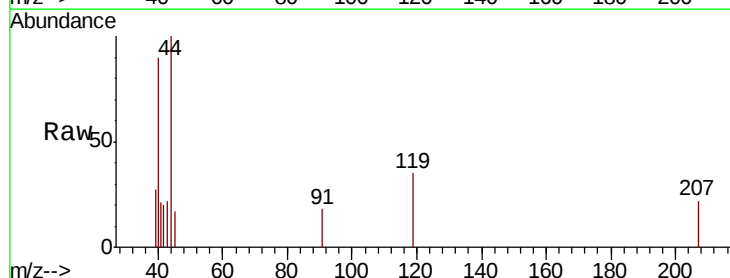


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 53.00 (52.70 to 53.70): VN0
 Ion 88.90 (88.60 to 89.60): VN0



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN054779.D
 Acq: 29 Mar 2019 19:18

Tgt Ion: 119 Resp: 302
 Ion Ratio Lower Upper
 119 100
 91 71.9 30.9 92.8
 134 0.0 13.2 39.6#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN0
 Ion 134.00 (133.70 to 134.70): V

