

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056721.D
 Acq On : 15 Jul 2019 18:45
 Operator : JC/SP
 Sample : K3817-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126

Quant Time: Jul 16 04:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

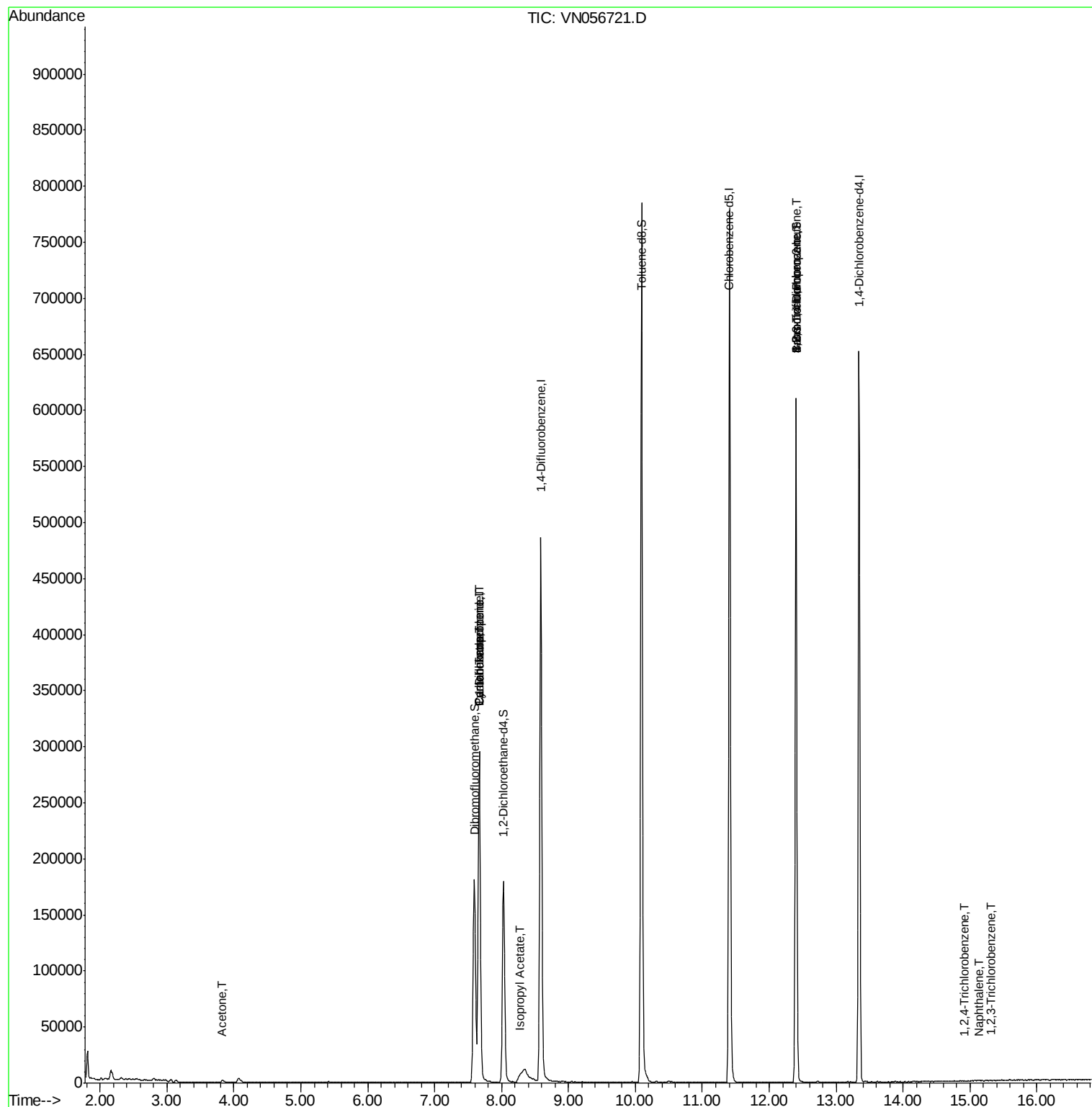
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	269009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	475613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	489600	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	191092	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	155748	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	
35) Dibromofluoromethane	7.59	113	142266	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	586243	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
62) 4-Bromofluorobenzene	12.40	95	217479	56.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.82%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	3894	2.840	ug/l	88
18) Methyl Acetate	4.33	43	183	Below Cal	#	52
31) Cyclohexane	7.67	56	4588	0.964	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	17338	3.939	ug/l #	48
38) Carbon Tetrachloride	7.67	117	23382	5.665	ug/l #	16
43) Isopropyl Acetate	8.26	43	3939	0.578	ug/l #	53
71) Bromoform	12.40	173	1543	0.550	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101579	24.304	ug/l #	100
79) 2-Chlorotoluene	12.59	91	137	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	101579	75.060	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	67	3.708	ug/l #	42
95) Naphthalene	15.13	128	171	4.541	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	102	3.349	ug/l #	13

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

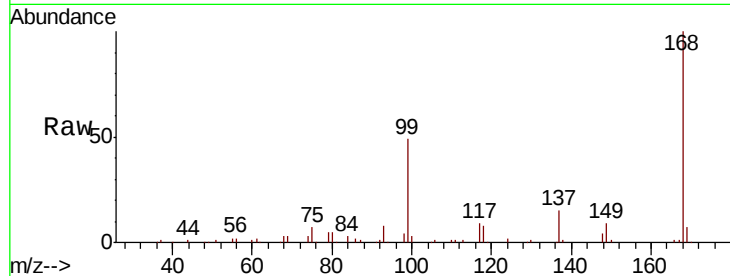
SA-TW532-2126

Tot Ion:168 Resp: 269009

Ion Ratio Lower Upper

168 100

99 49.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

120000

100000

80000

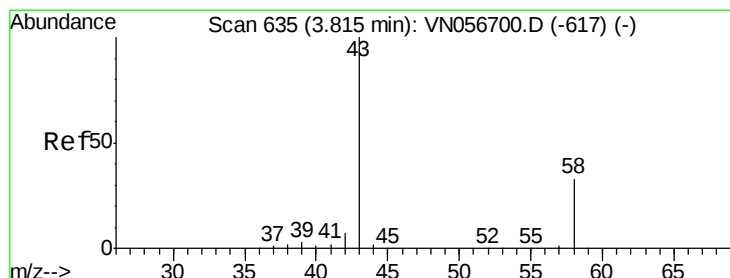
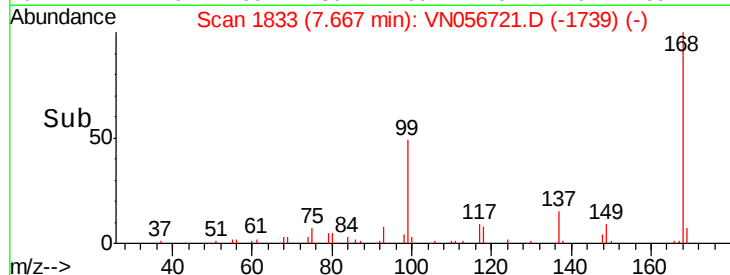
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 2.840 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056721.D

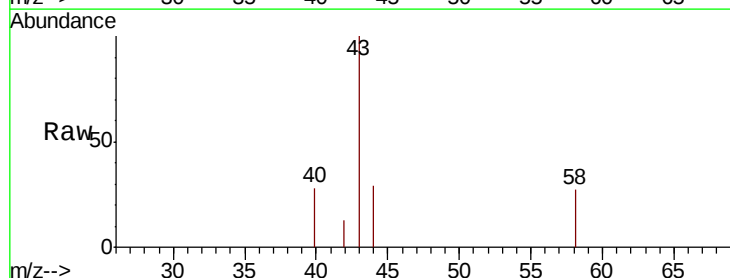
Acq: 15 Jul 2019 18:45

Tgt Ion: 43 Resp: 3894

Ion Ratio Lower Upper

43 100

58 26.8 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

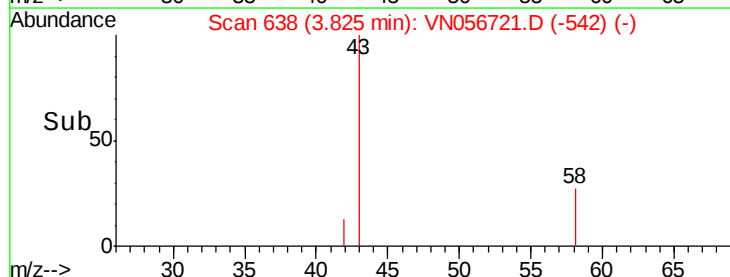
1500

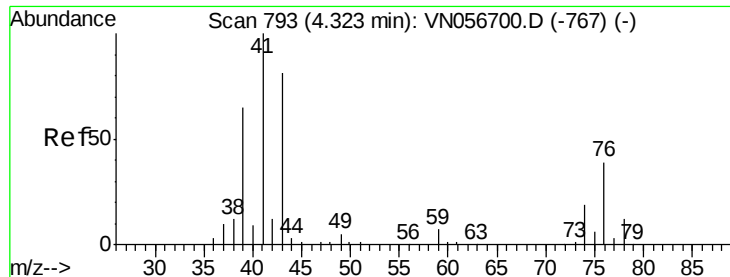
1000

500

0

Time-->

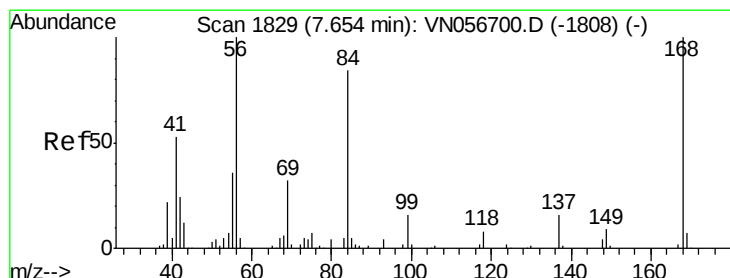
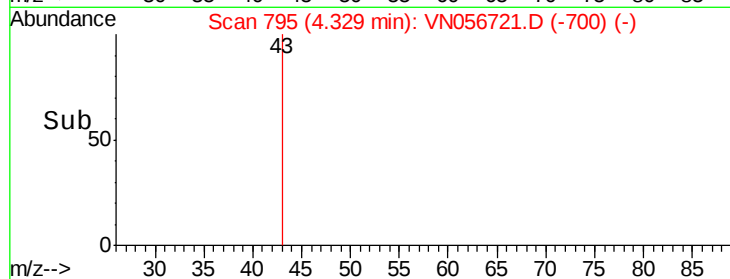
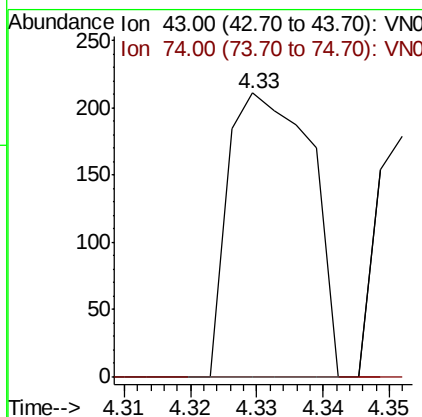
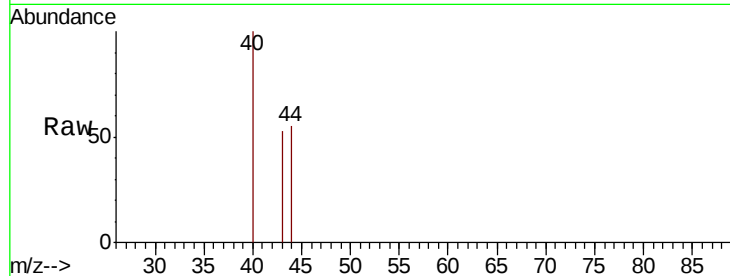




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056721.D
Acq: 15 Jul 2019 18:45

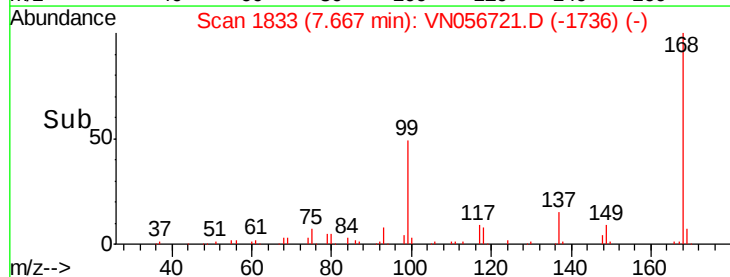
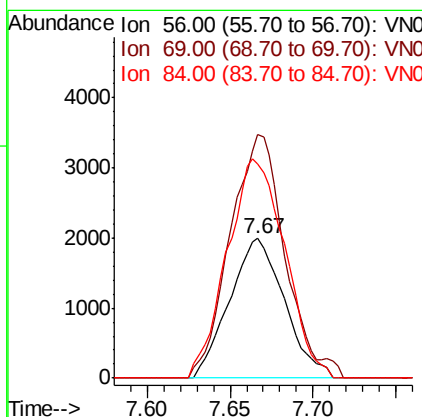
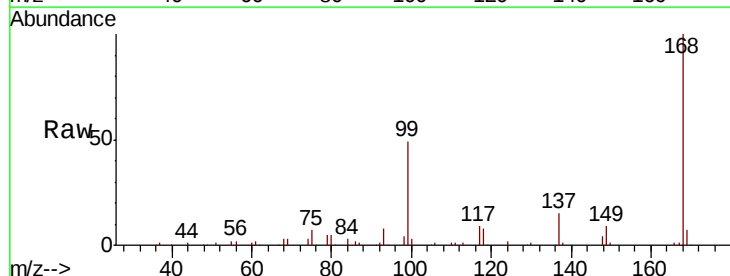
Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126

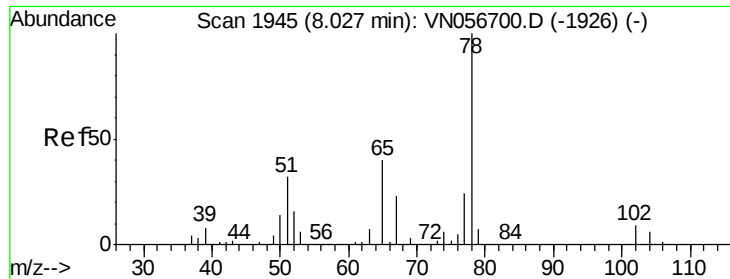
Tot Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



#31
Cyclohexane
Concen: 0.964 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056721.D
Acq: 15 Jul 2019 18:45

Tgt Ion: 56 Resp: 4588
Ion Ratio Lower Upper
56 100
69 174.7 25.8 38.8#
84 154.0 67.4 101.0#

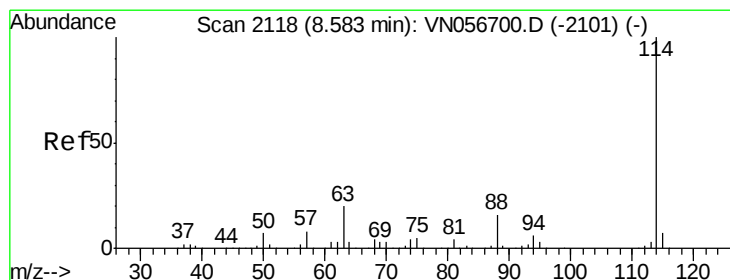
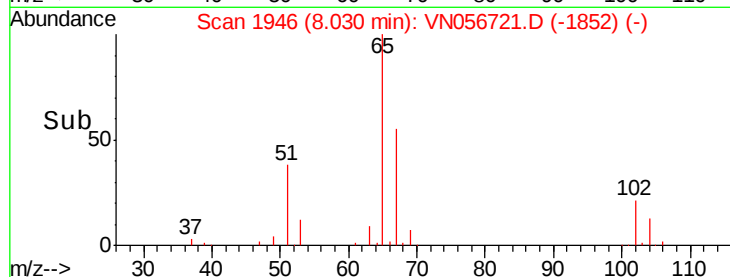
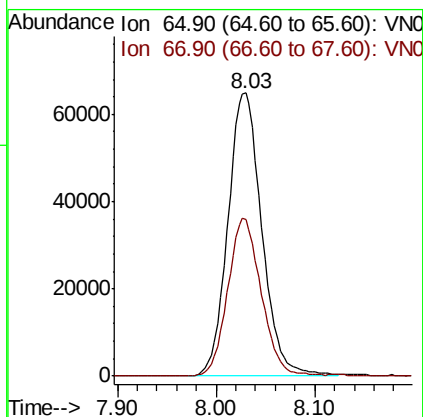
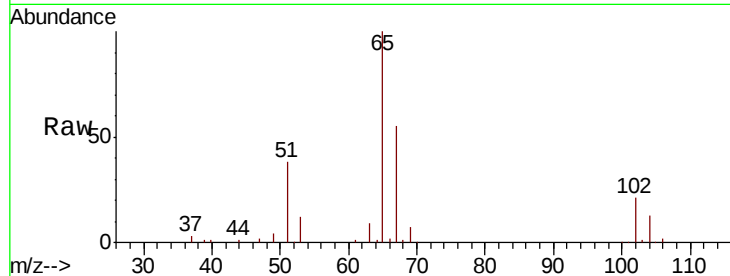




#33
 1,2-Dichloroethane-d4
 Concen: 52.342 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

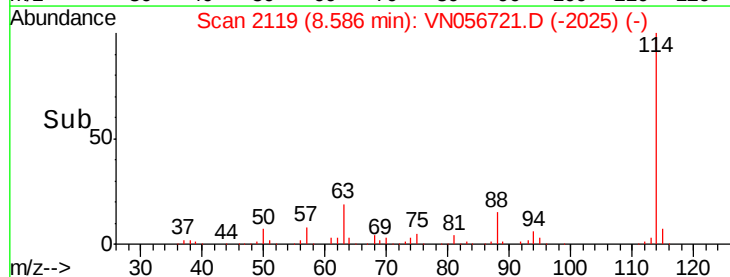
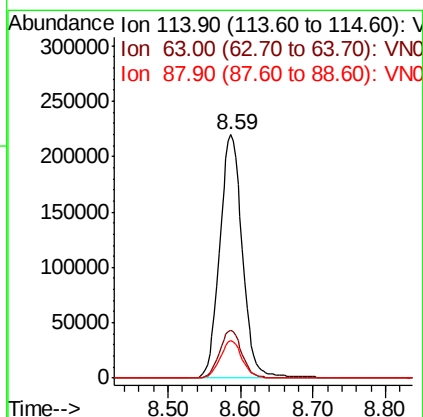
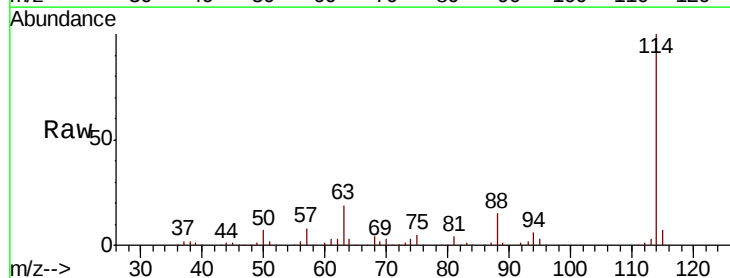
Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126

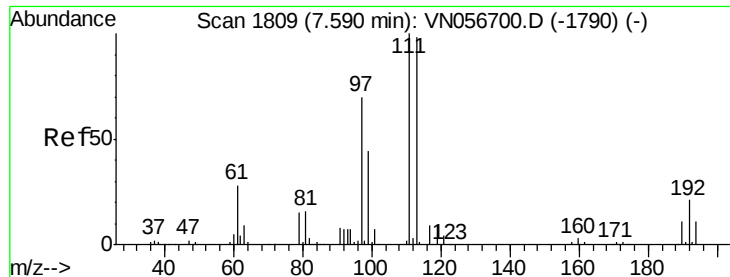
Tot Ion: 65 Resp: 155748
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

Tgt Ion: 114 Resp: 475613
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.4
 88 15.3 0.0 31.2

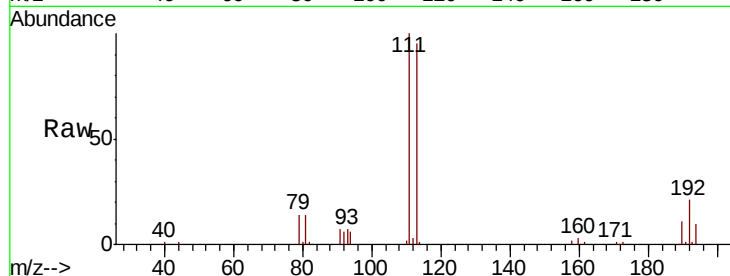




#35
 Dibromofluoromethane
 Concen: 48.066 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.8	122.6
192	22.2	17.5	26.3

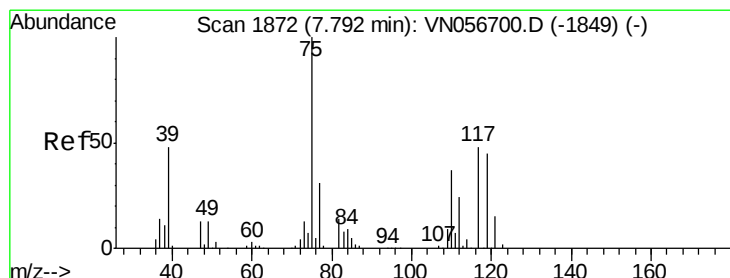
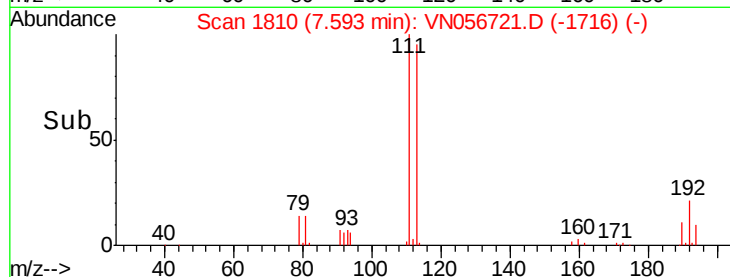
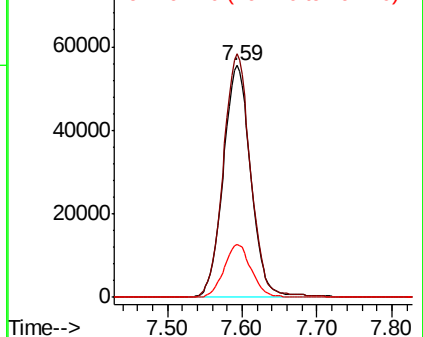


Abundance

Ion 112.80 (112.50 to 113.50): V

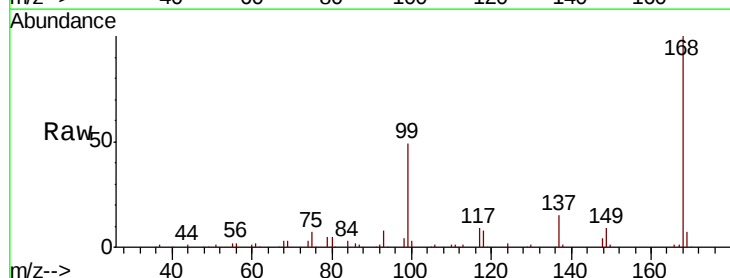
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 3.939 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	18.4	55.4#
77	0.0	24.6	36.8#

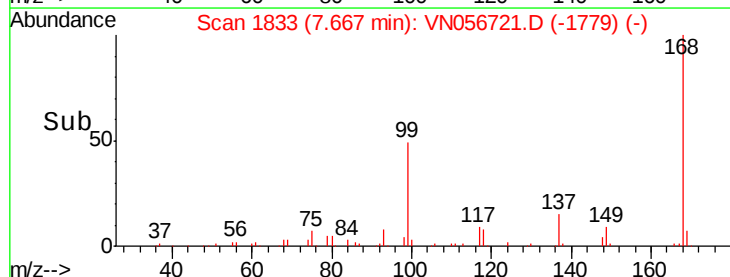
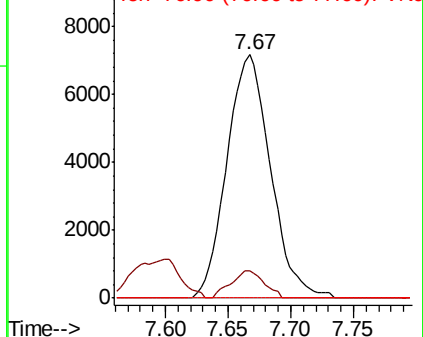


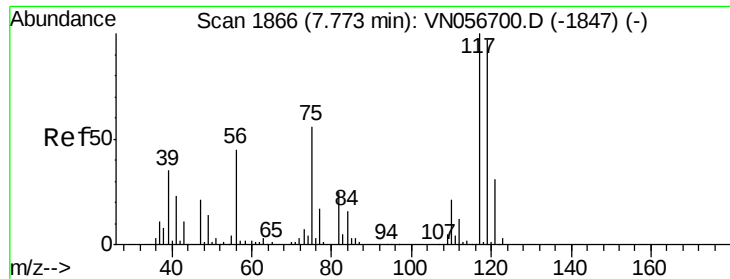
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126

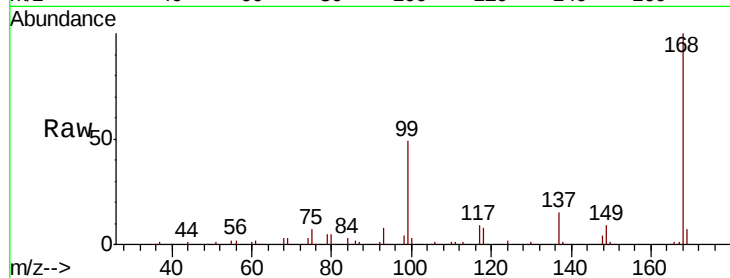
Tot Ion:117 Resp: 23382

Ion Ratio Lower Upper

117 100

119 5.2 77.5 116.3#

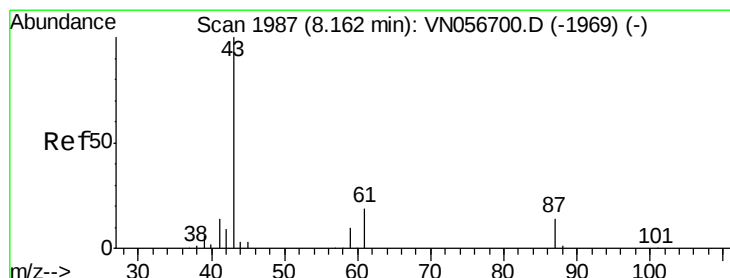
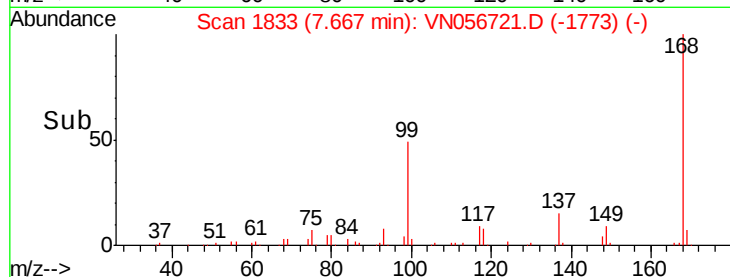
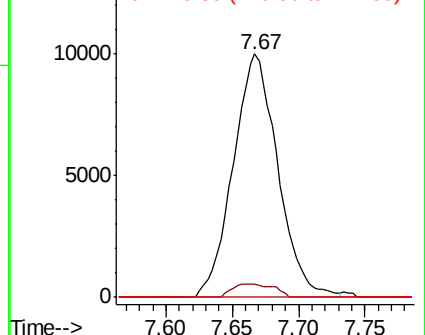
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.578 ug/l

RT: 8.26 min Scan# 2017

Delta R.T. 0.10 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

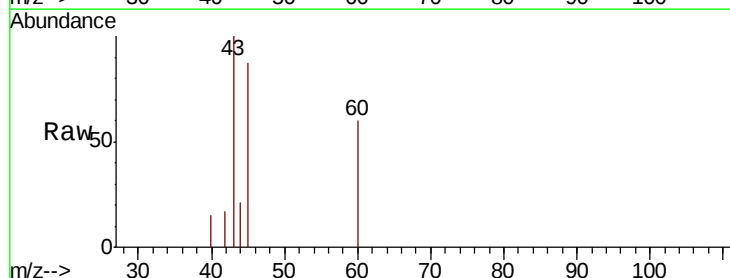
Tgt Ion: 43 Resp: 3939

Ion Ratio Lower Upper

43 100

61 0.0 22.3 33.5#

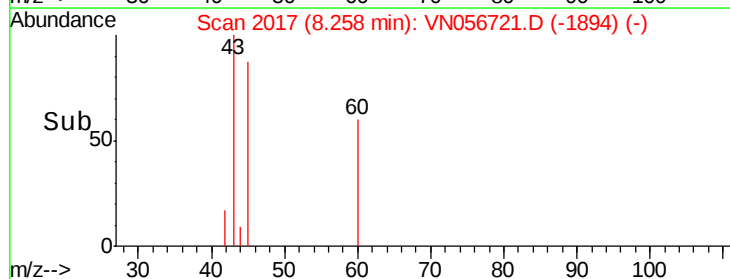
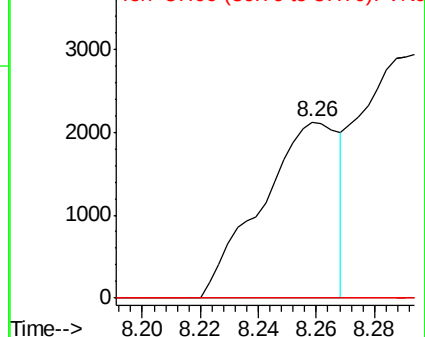
87 0.0 11.1 16.7#

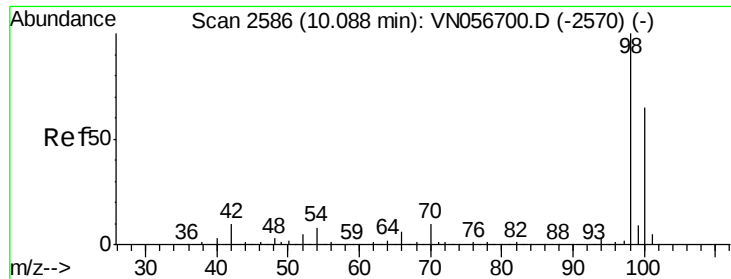


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.283 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

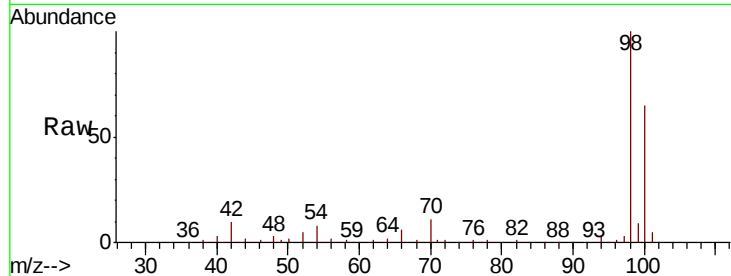
SA-TW532-2126

Tot Ion: 98 Resp: 586243

Ion Ratio Lower Upper

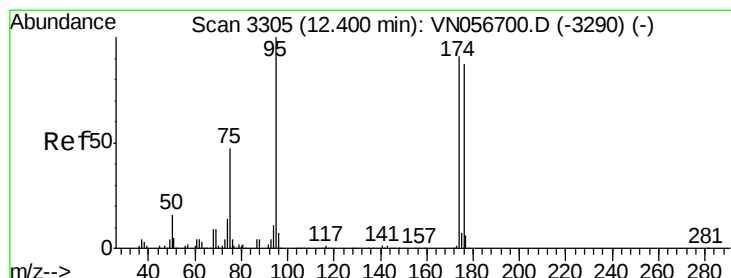
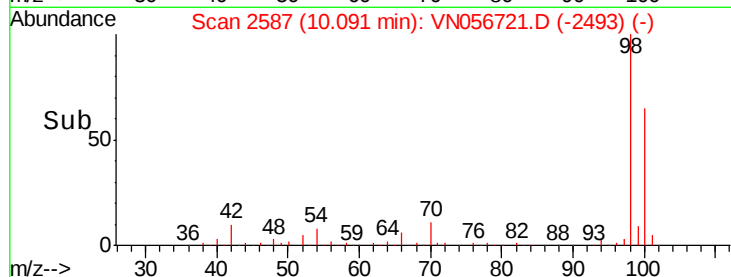
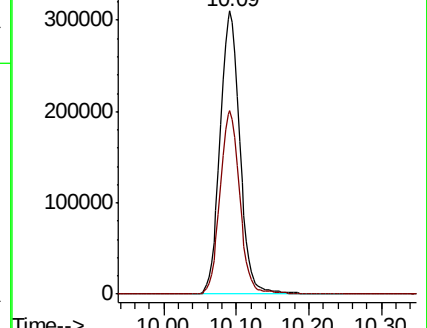
98 100

100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)



#62

4-Bromofluorobenzene

Concen: 56.413 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

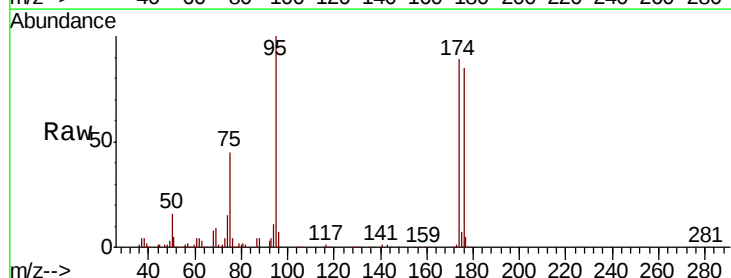
Tgt Ion: 95 Resp: 217479

Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.0

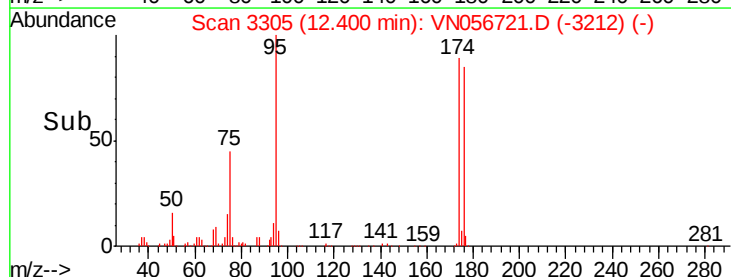
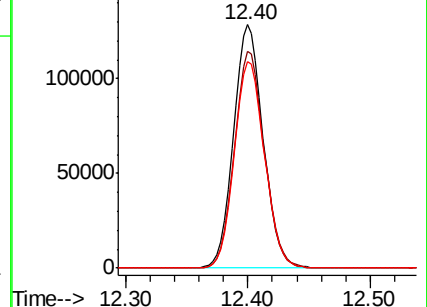
176 86.4 0.0 173.2

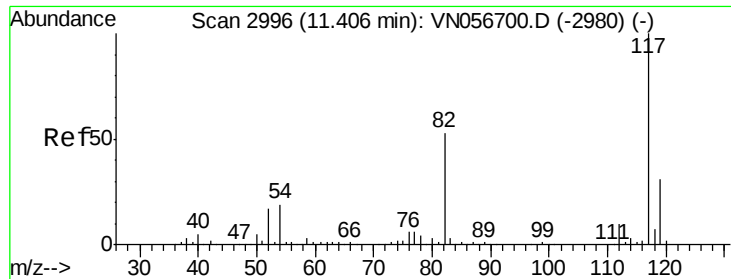


Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN056700.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056700.D (-3290) (-)

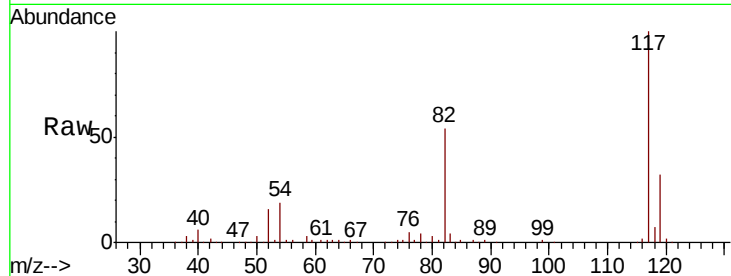




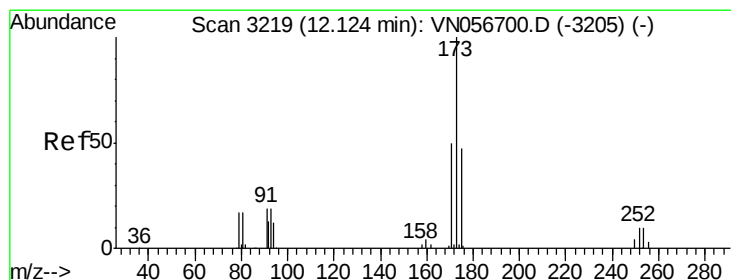
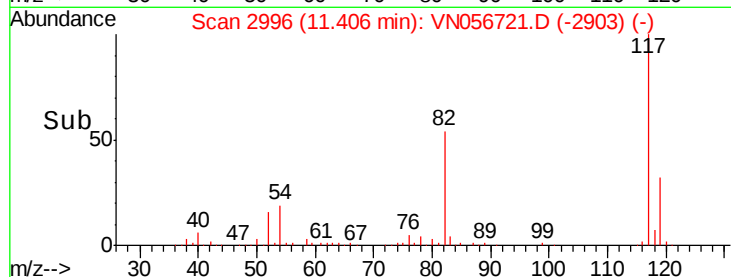
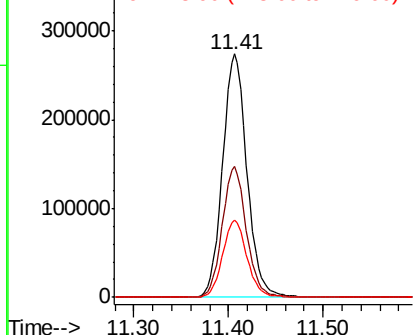
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056721.D
Acq: 15 Jul 2019 18:45

Instrument :
MSVOA_N
ClientSampleId :
SA-TW532-2126

Tot Ion:117 Resp: 489600
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.2
119 31.7 25.2 37.8

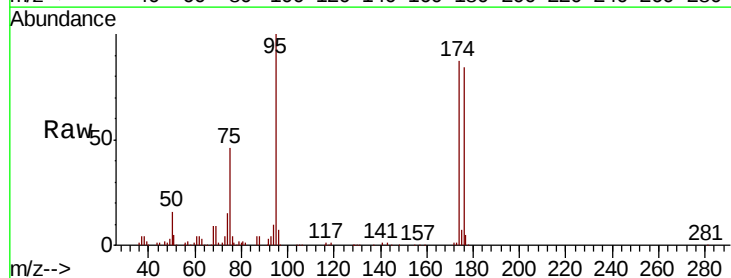


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

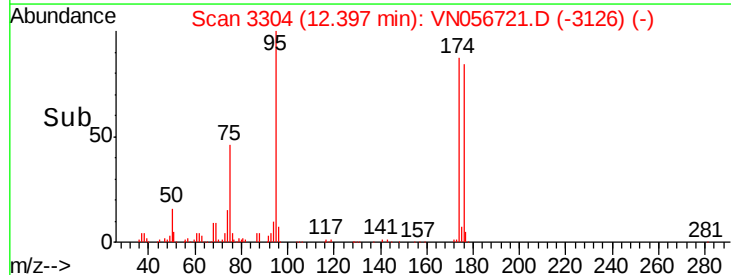
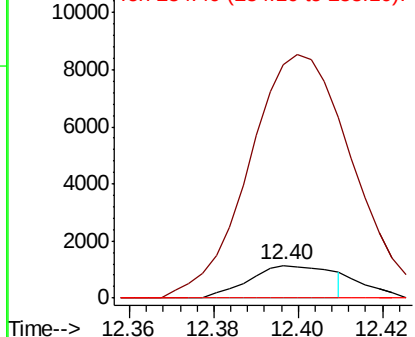


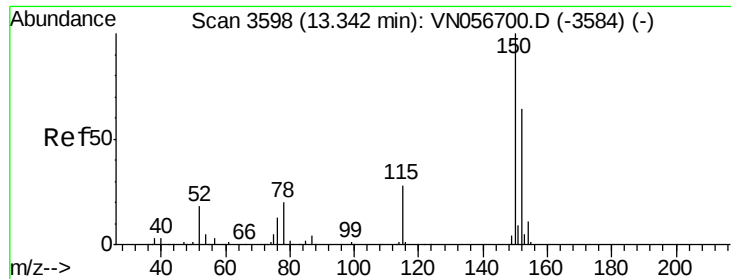
#71
Bromoform
Concen: 0.550 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN056721.D
Acq: 15 Jul 2019 18:45

Tgt Ion:173 Resp: 1543
Ion Ratio Lower Upper
173 100
175 770.3 23.8 71.4#
254 0.0 0.0 0.0



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: VN056721.D

Acq: 15 Jul 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

SA-TW532-2126

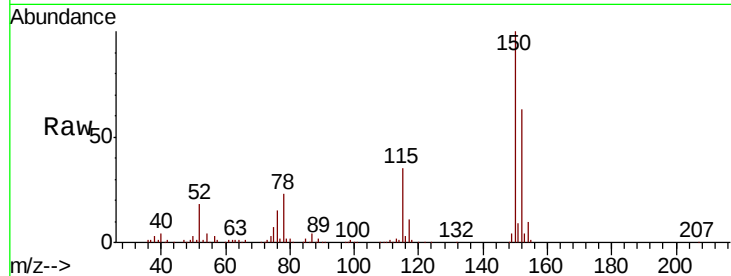
Tot Ion:152 Resp: 191092

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

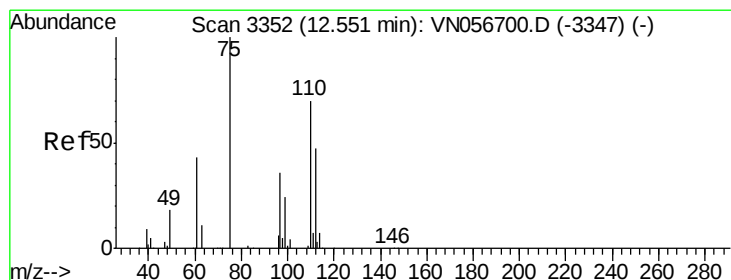
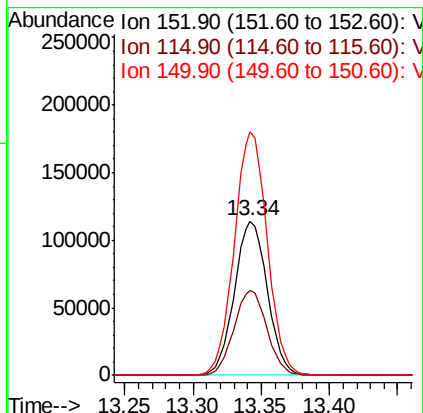
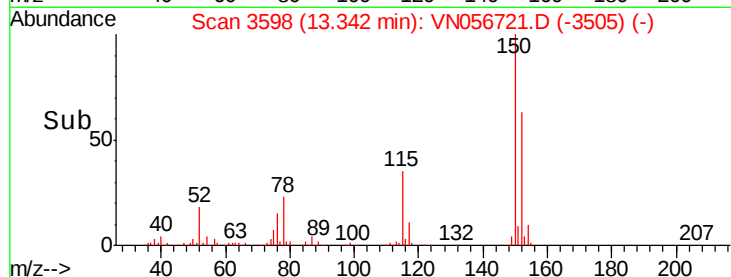
150 157.7 0.0 345.8



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: 24.304 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056721.D

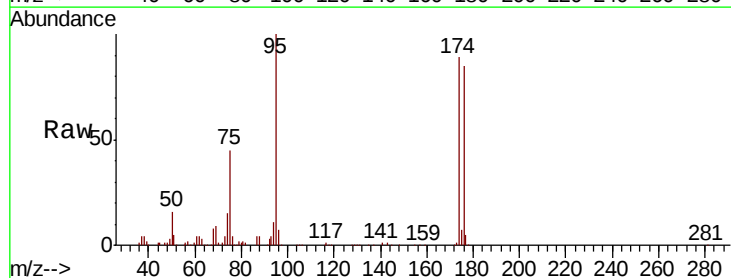
Acq: 15 Jul 2019 18:45

Tgt Ion: 75 Resp: 101579

Ion Ratio Lower Upper

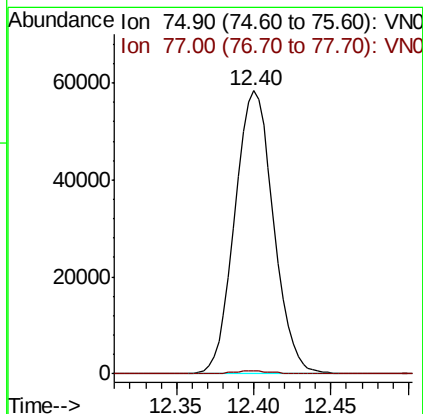
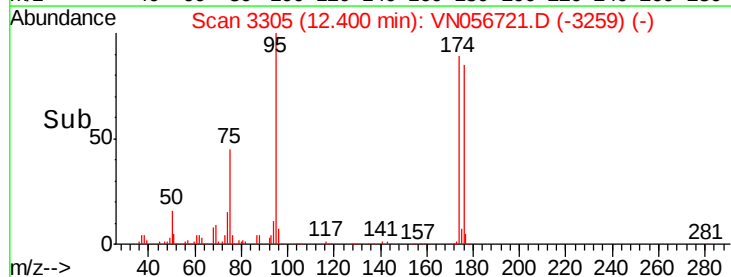
75 100

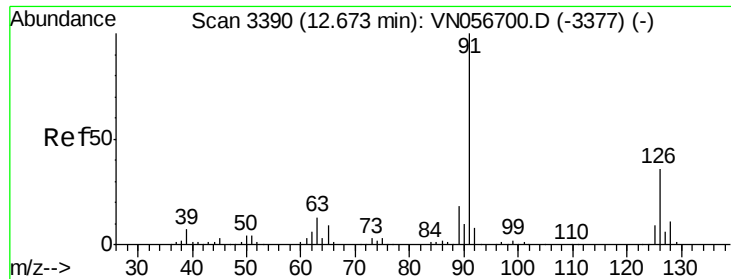
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.59 min Scan# 3364

Delta R.T. -0.08 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

Instrument :

MSVOA_N

ClientSampleId :

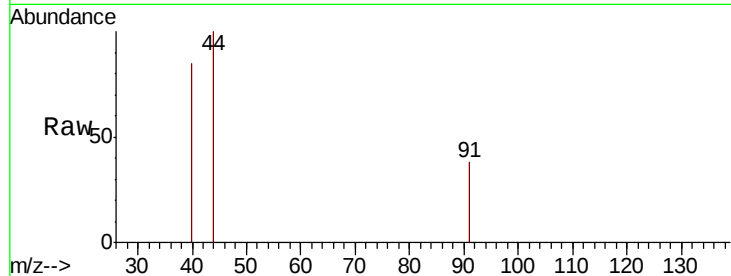
SA-TW532-2126

Tot Ion: 91 Resp: 137

Ion Ratio Lower Upper

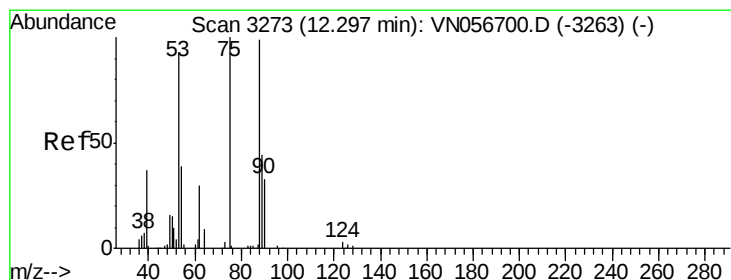
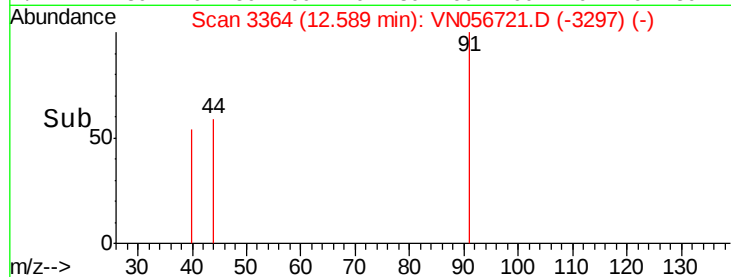
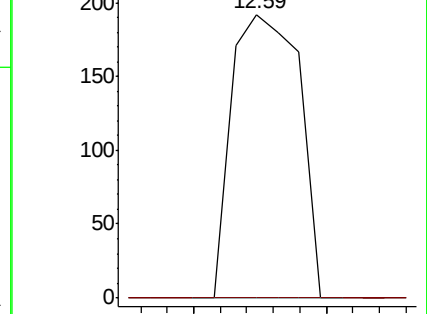
91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 75.060 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056721.D

Acq: 15 Jul 2019 18:45

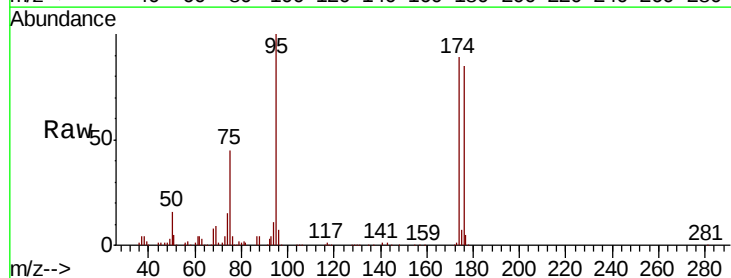
Tgt Ion: 75 Resp: 101579

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

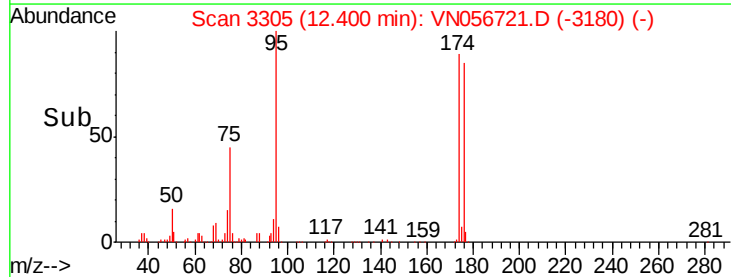
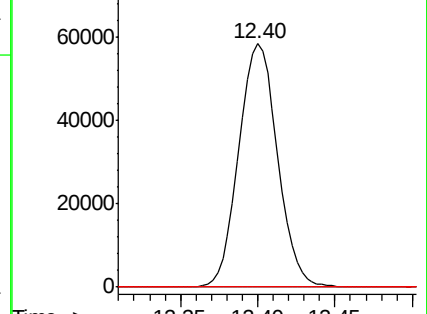
89 0.0 36.2 54.2#

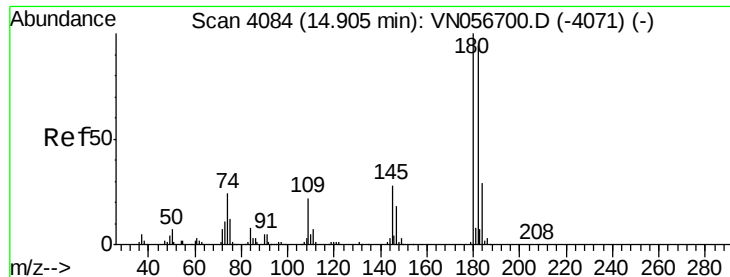


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

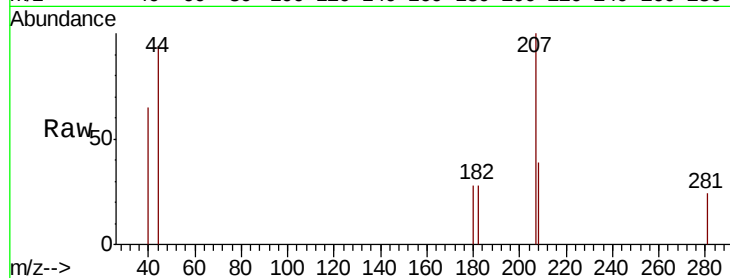




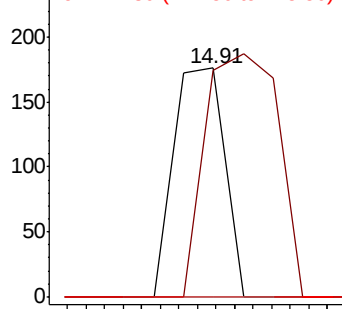
#93
 1,2,4-Trichlorobenzene
 Concen: 3.708 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126

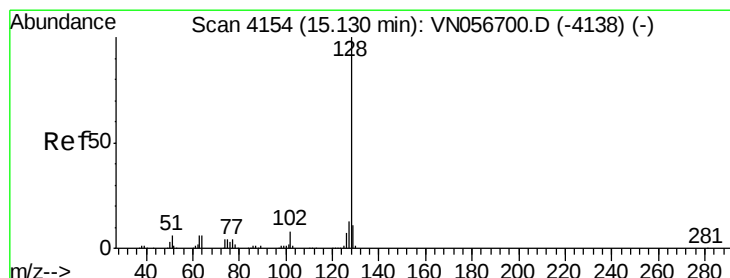
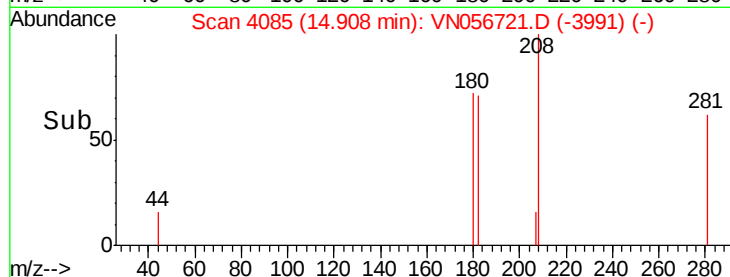
Tot Ion:180 Resp: 67
 Ion Ratio Lower Upper
 180 100
 182 152.2 47.2 141.6#
 145 0.0 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

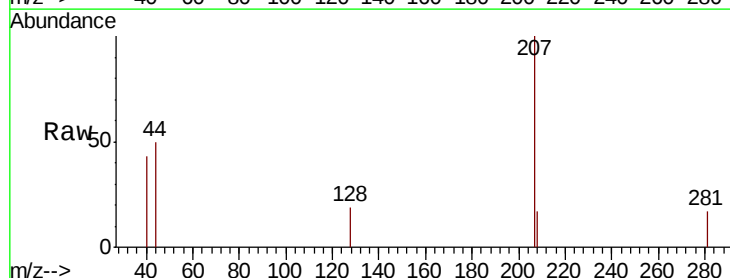


Time-->

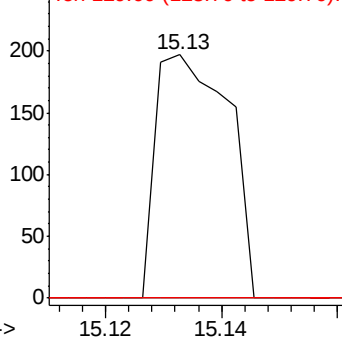


#95
 Naphthalene
 Concen: 4.541 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

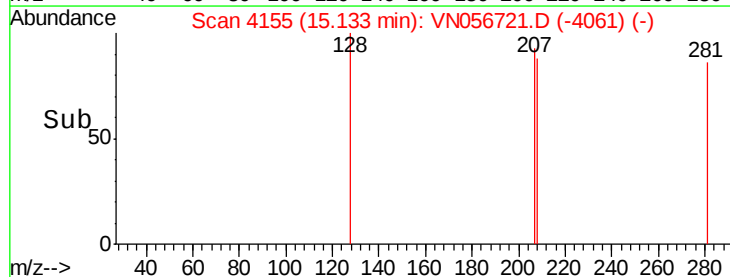
Tgt Ion:128 Resp: 171
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.7 13.1#

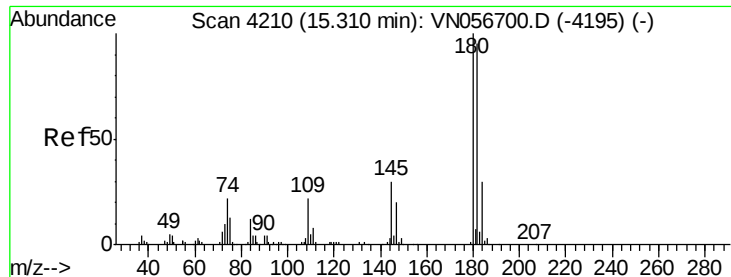


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

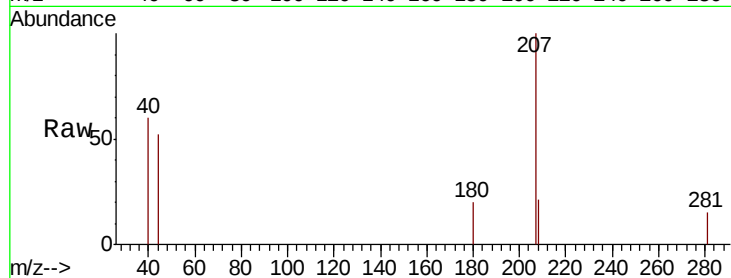




#96
 1,2,3-Trichlorobenzene
 Concen: 3.349 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN056721.D
 Acq: 15 Jul 2019 18:45

Instrument :
 MSVOA_N
 ClientSampleId :
 SA-TW532-2126

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.1	141.3#
145	0.0	15.0	45.1#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

