

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054302.D
 Acq On : 15 Mar 2019 10:29
 Operator : JC/SP
 Sample : K1902-12 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30240-41-42-43-44

Quant Time: Mar 15 11:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1431965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2364693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2479502	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1023513	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	727786	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
35) Dibromofluoromethane	7.59	113	713406	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.09	98	2921848	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.40	95	1108465	56.24	ug/l	0.00
Spiked Amount			Recovery	=	112.48%	

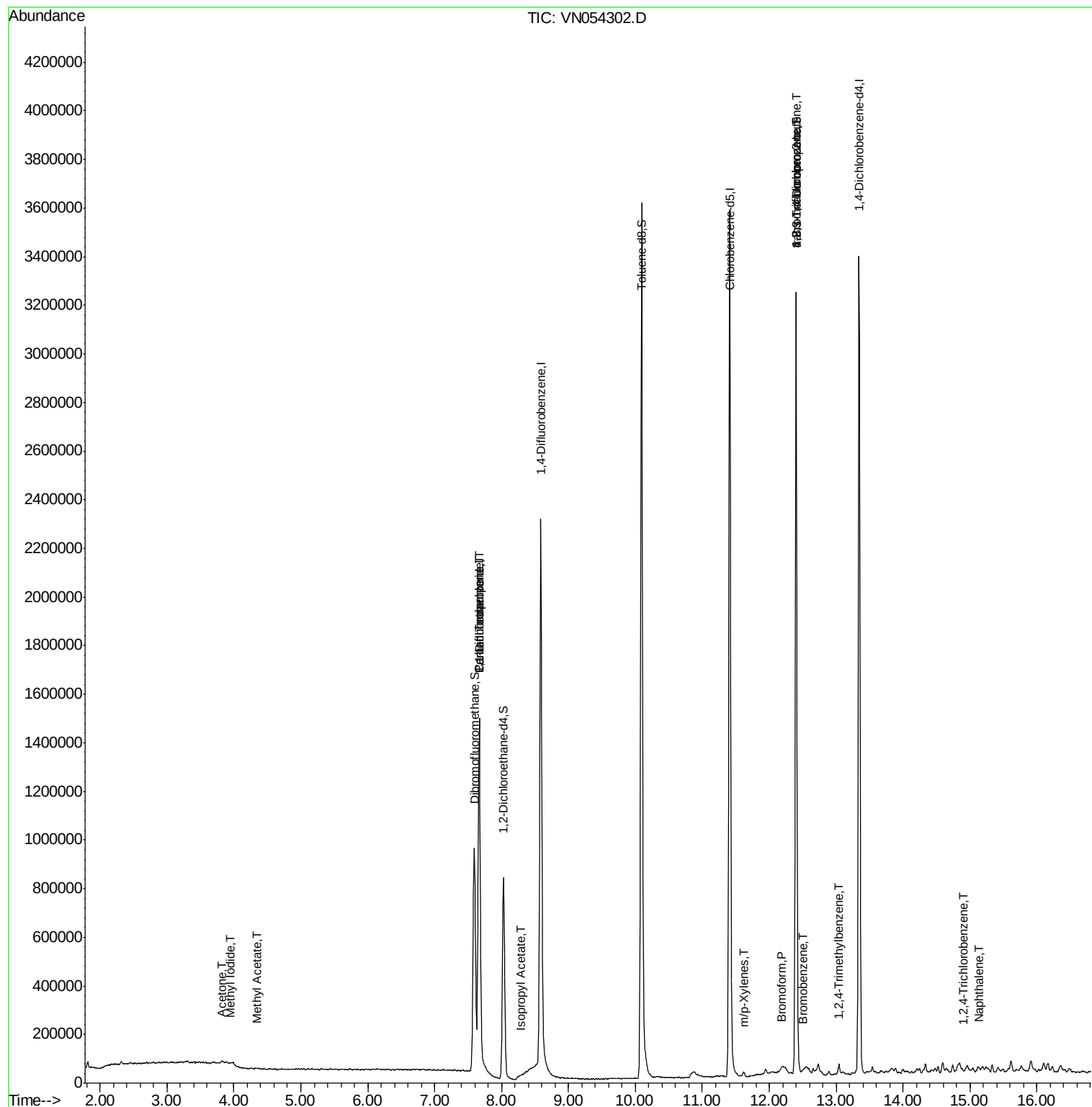
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	60	1.500	ug/l #	1
16) Acetone	3.82	43	8347	1.917	ug/l	90
18) Methyl Acetate	4.34	43	4076	0.463	ug/l #	82
31) Cyclohexane	7.66	56	20933	Below Cal	#	3
36) 1,1-Dichloropropene	7.67	75	80985	3.719	ug/l #	48
38) Carbon Tetrachloride	7.67	117	113739	4.980	ug/l #	17
43) Isopropyl Acetate	8.27	43	15768	0.718	ug/l #	60
68) m/p-Xylenes	11.62	106	7079	0.201	ug/l	89
71) Bromoform	12.17	173	274	2.368	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	513708	34.131	ug/l #	100
77) Bromobenzene	12.51	156	6577	0.304	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	513708	116.674	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	26592	0.398	ug/l	94
93) 1,2,4-Trichlorobenzene	14.90	180	297	2.530	ug/l #	1
95) Naphthalene	15.13	128	12140	3.721	ug/l #	87

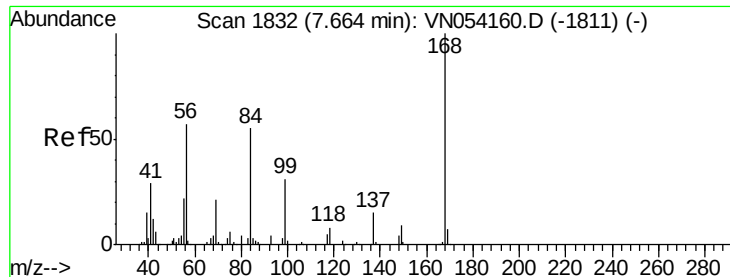
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
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: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

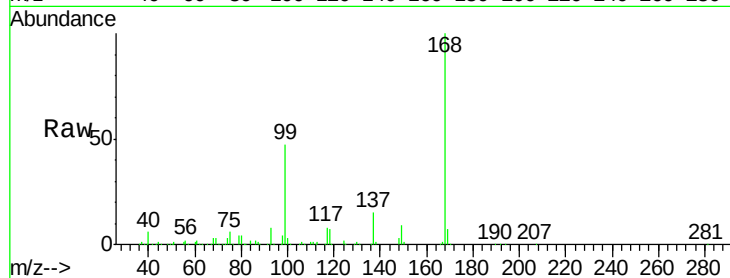
30240-41-42-43-44

Tot Ion:168 Resp: 1431965

Ion Ratio Lower Upper

168 100

99 46.7 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

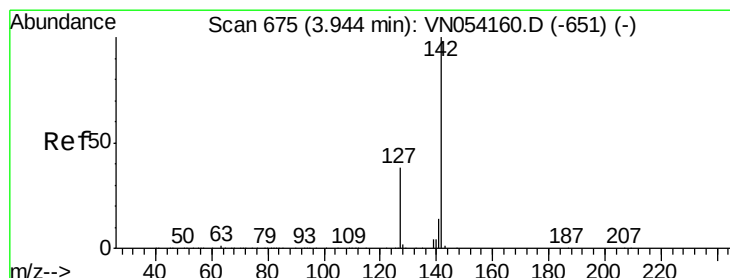
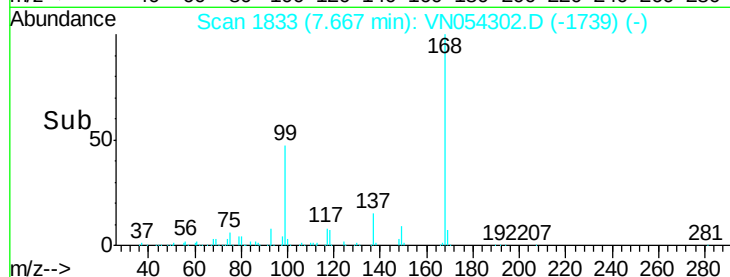
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.500 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

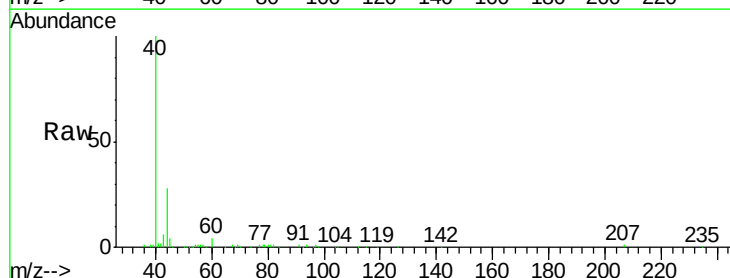
Tgt Ion:142 Resp: 60

Ion Ratio Lower Upper

142 100

127 273.3 30.3 45.5#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.94

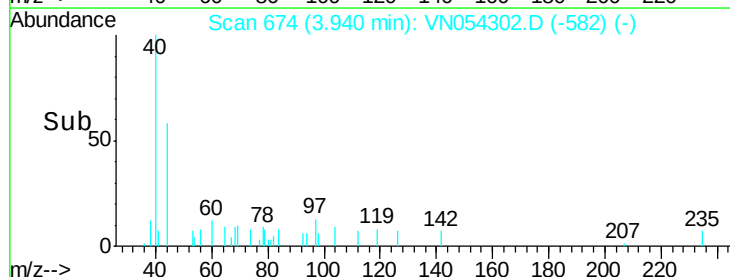
300

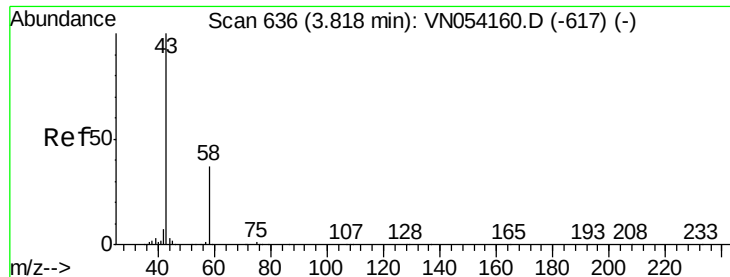
200

100

0

Time--> 3.93 3.94 3.95





#16

Acetone

Concen: 1.917 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

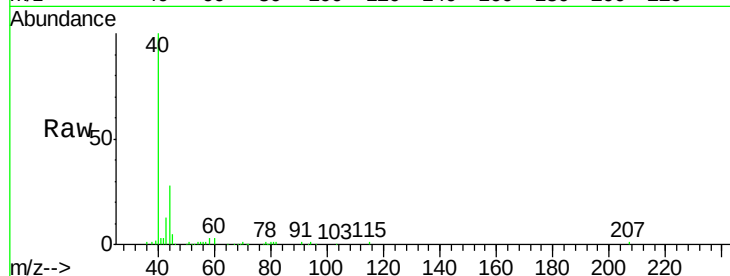
30240-41-42-43-44

Tot Ion: 43 Resp: 8347

Ion Ratio Lower Upper

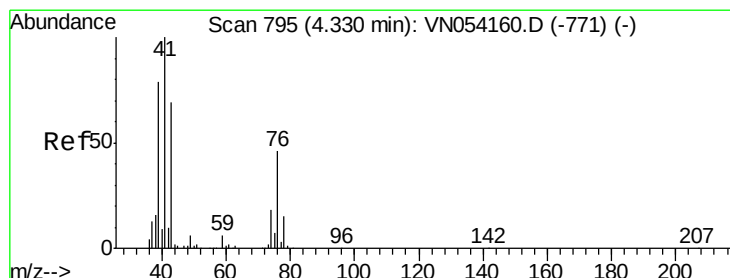
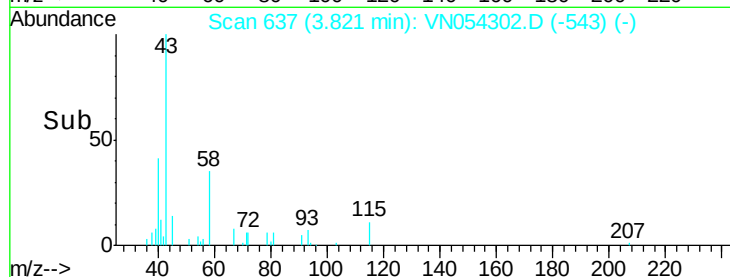
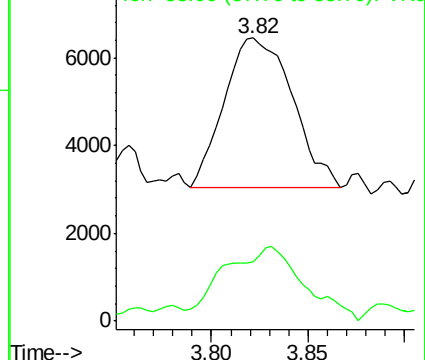
43 100

58 31.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.463 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054302.D

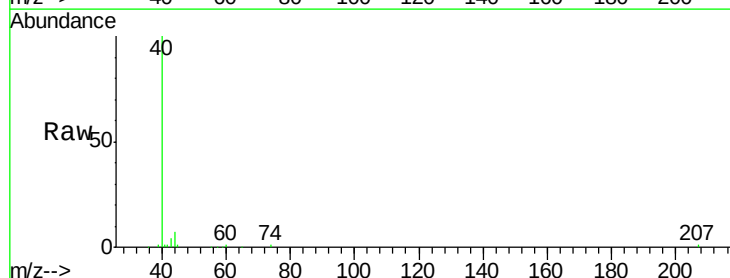
Acq: 15 Mar 2019 10:29

Tgt Ion: 43 Resp: 4076

Ion Ratio Lower Upper

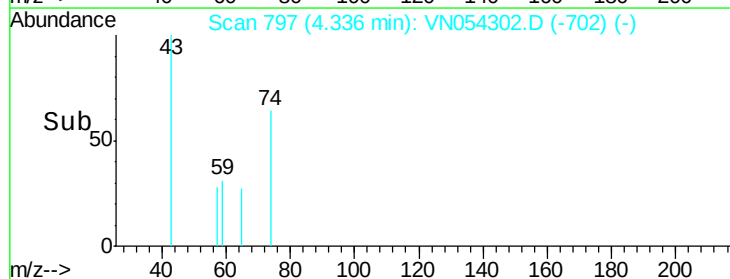
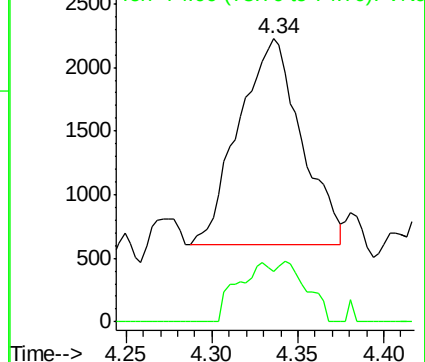
43 100

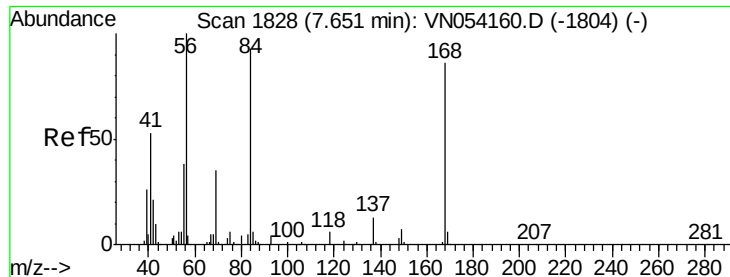
74 16.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

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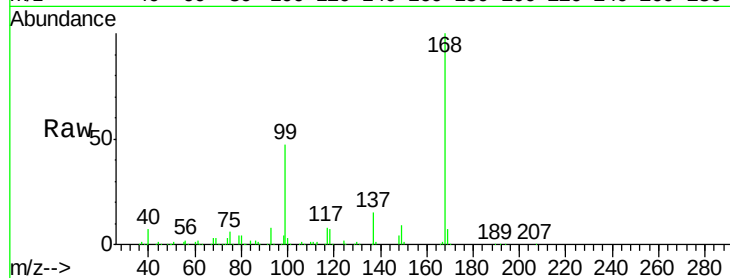
Tot Ion: 56 Resp: 20933

Ion Ratio Lower Upper

56 100

69 170.1 27.8 41.6#

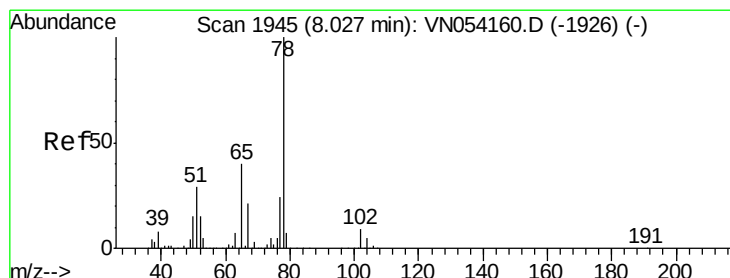
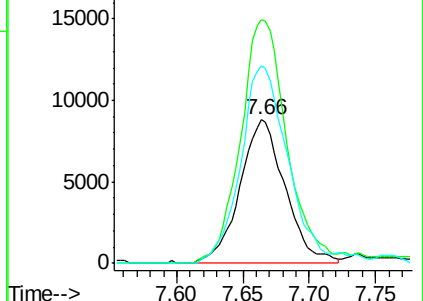
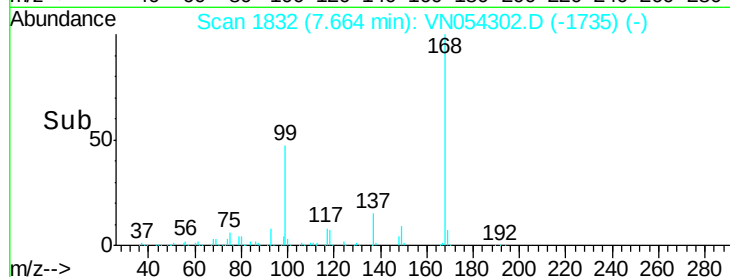
84 137.7 74.6 111.8#



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: 47.857 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054302.D

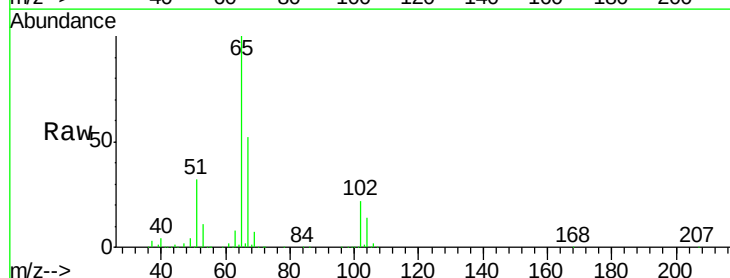
Acq: 15 Mar 2019 10:29

Tgt Ion: 65 Resp: 727786

Ion Ratio Lower Upper

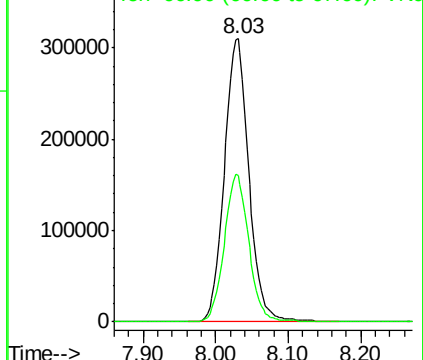
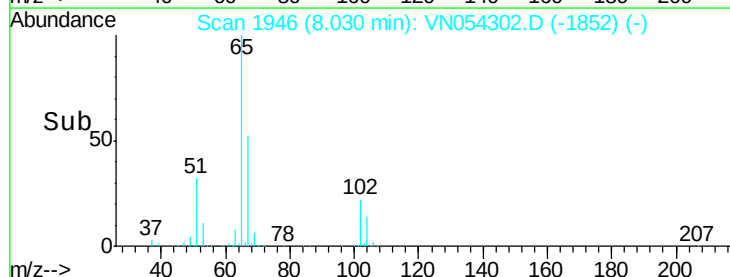
65 100

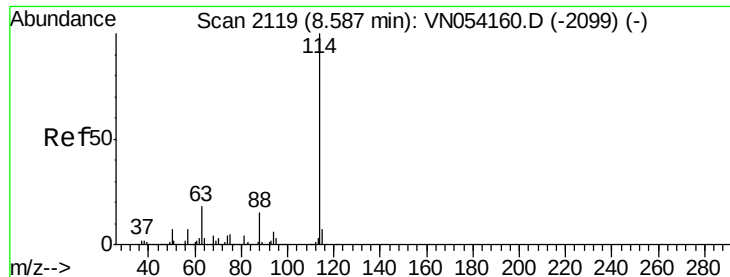
67 52.2 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

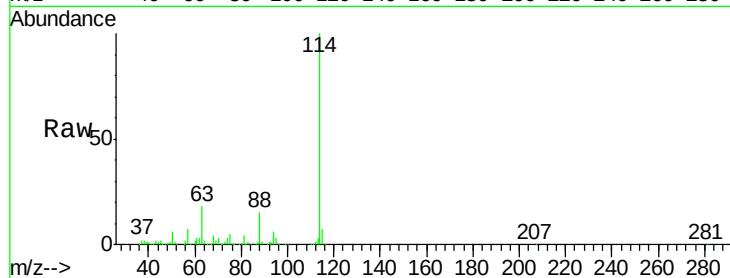




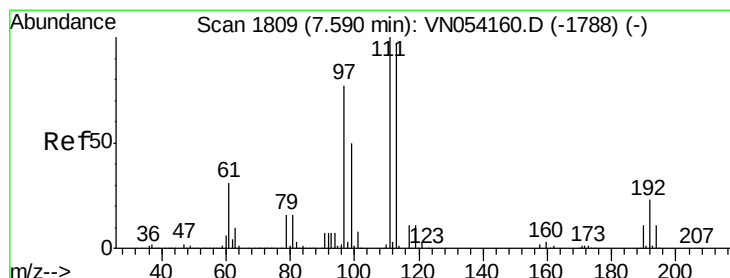
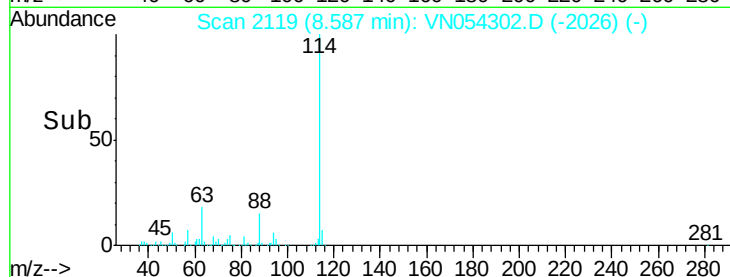
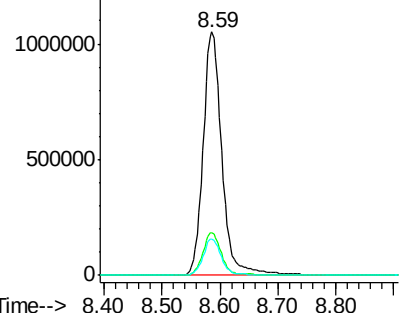
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

Instrument :
MSVOA_N
ClientSampleId :
30240-41-42-43-44

Tot Ion:114 Resp: 2364693
Ion Ratio Lower Upper
114 100
63 17.7 0.0 35.2
88 15.0 0.0 30.2

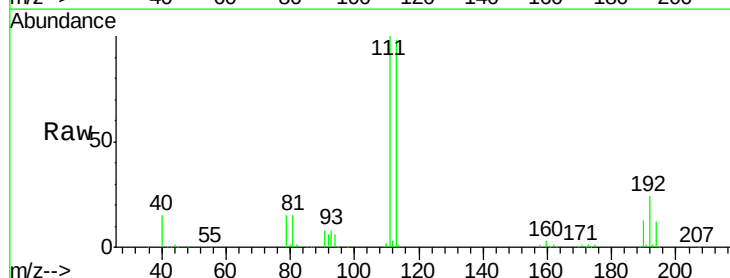


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

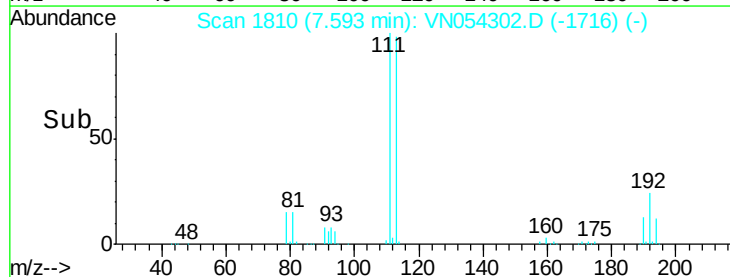
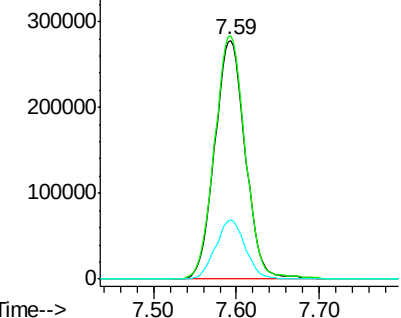


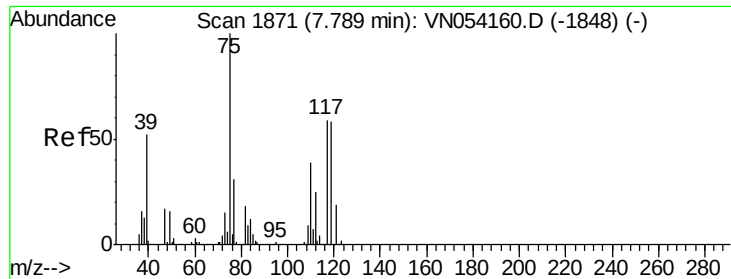
#35
Dibromofluoromethane
Concen: 46.777 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

Tgt Ion:113 Resp: 713406
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 24.3 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

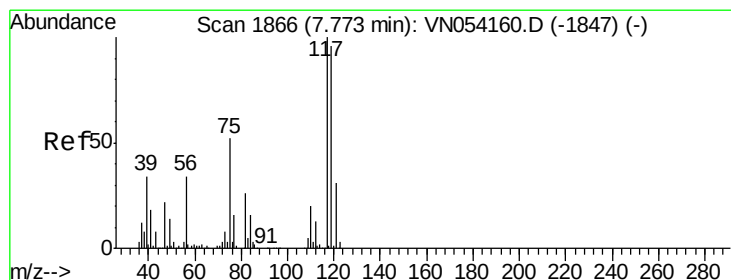
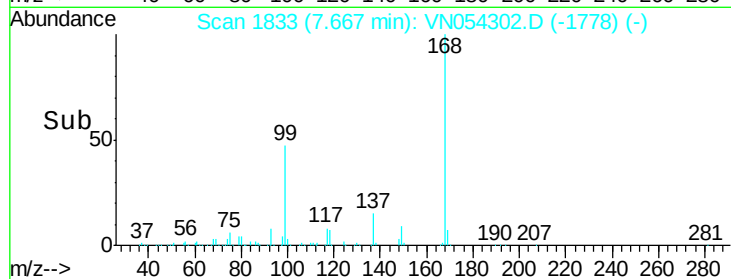
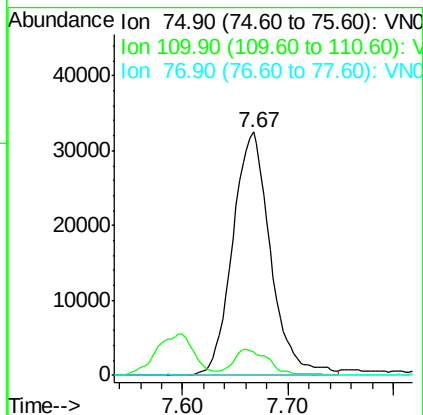
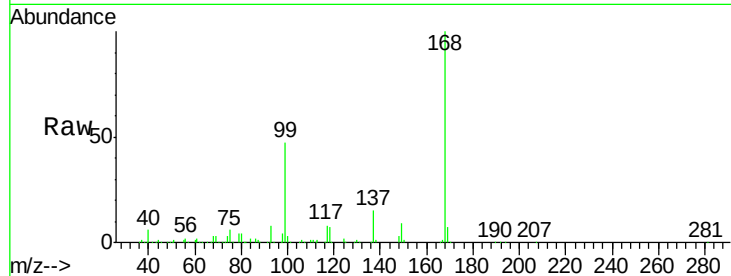




#36
 1,1-Dichloropropene
 Concen: 3.719 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054302.D
 Acq: 15 Mar 2019 10:29

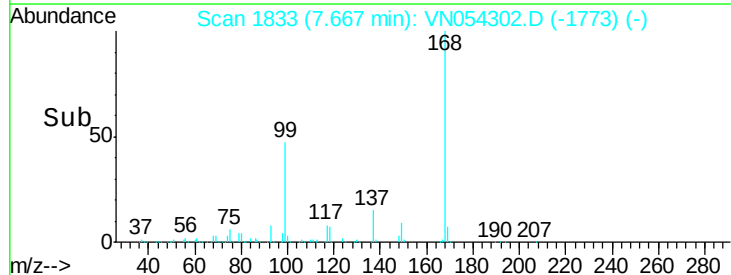
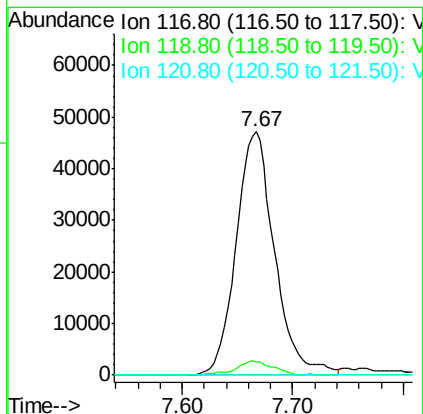
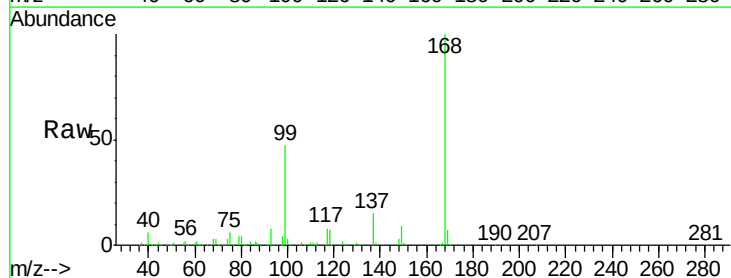
Instrument :
 MSVOA_N
 ClientSampleId :
 30240-41-42-43-44

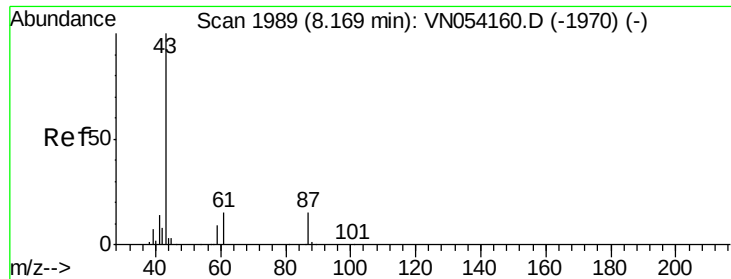
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.1	57.5#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 4.980 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054302.D
 Acq: 15 Mar 2019 10:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.3	114.5#
121	0.0	24.6	36.8#

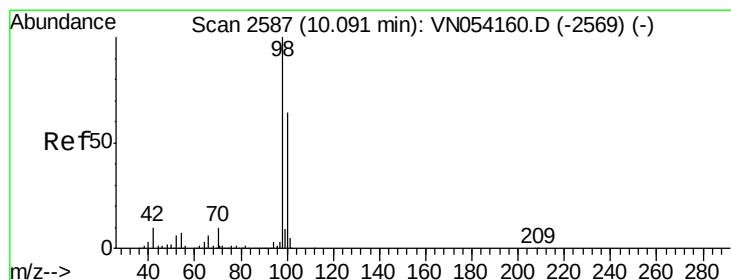
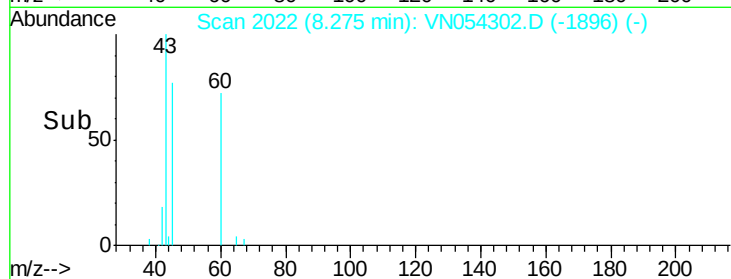
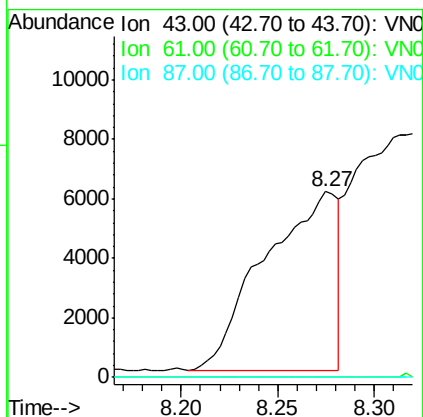
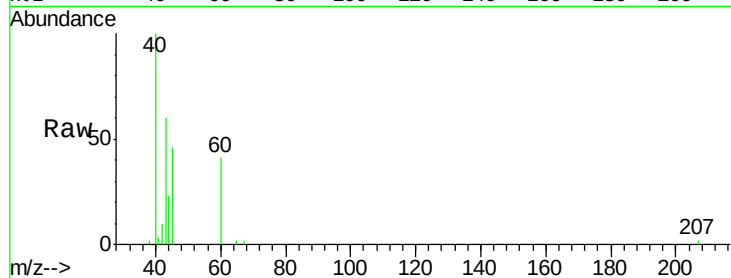




#43
Isopropyl Acetate
Concen: 0.718 ug/l
RT: 8.27 min Scan# 2022
Delta R.T. 0.11 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

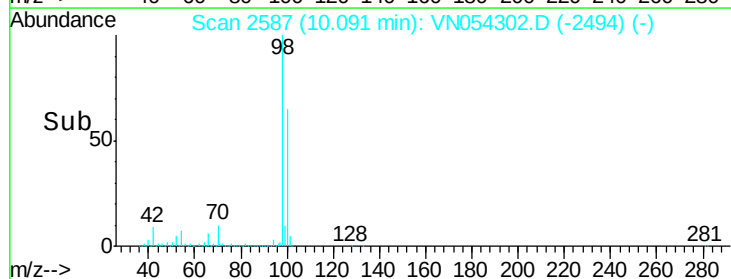
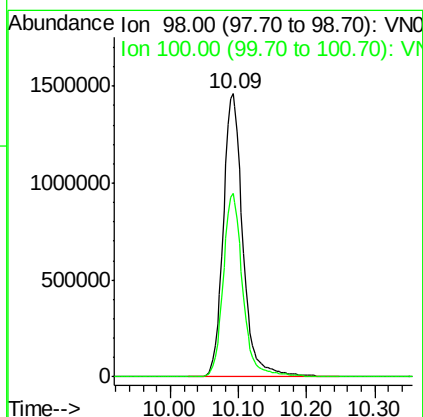
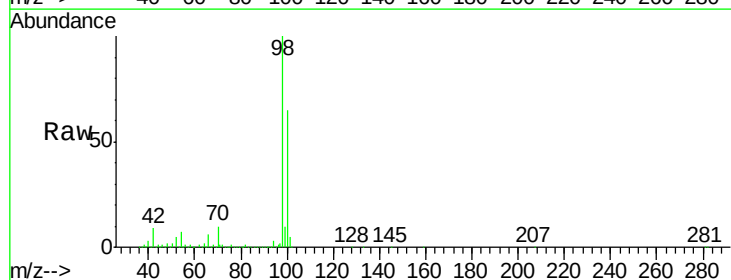
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30240-41-42-43-44

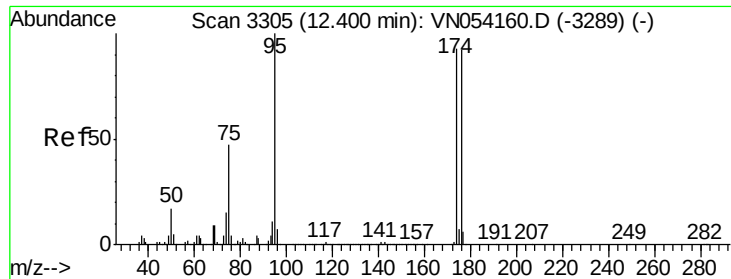
Tot Ion: 43 Resp: 15768
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 51.875 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

Tgt Ion: 98 Resp: 2921848
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

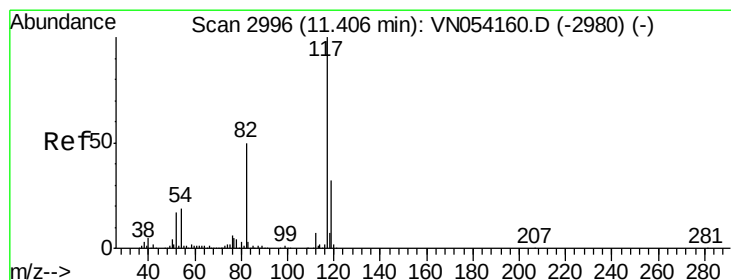
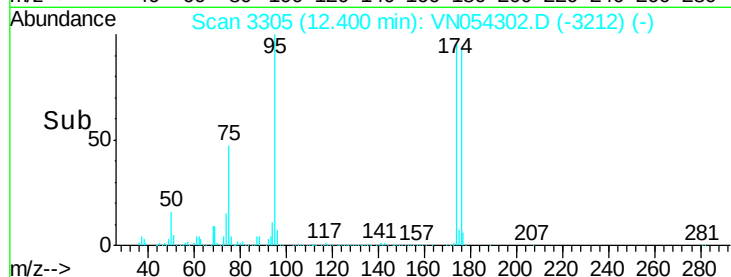
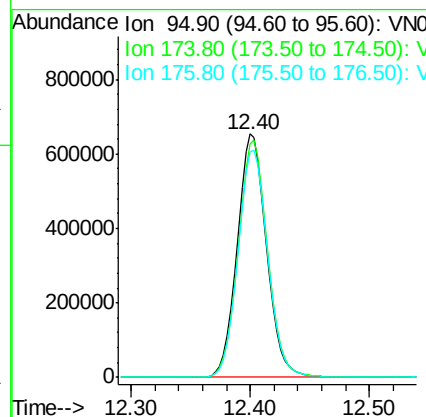
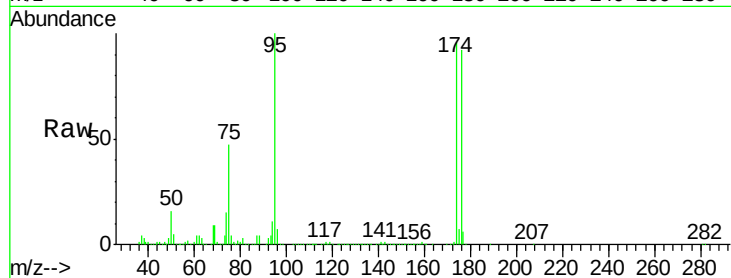




#62
4-Bromofluorobenzene
Concen: 56.244 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

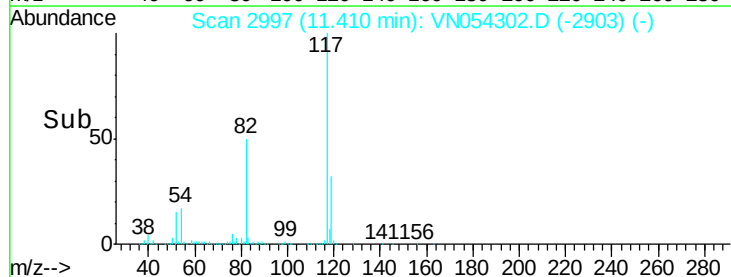
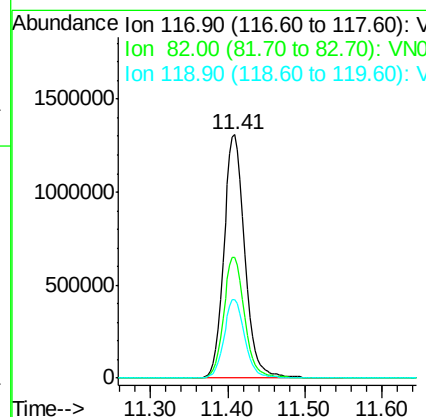
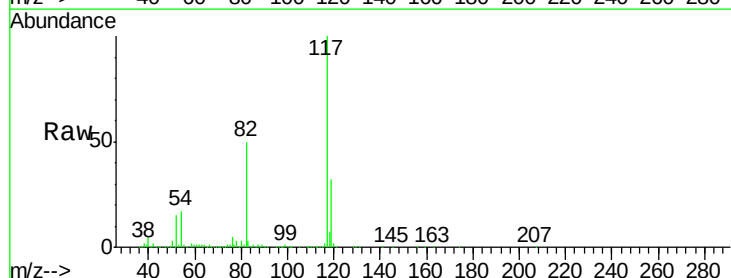
Instrument :
MSVOA_N
ClientSampleId :
30240-41-42-43-44

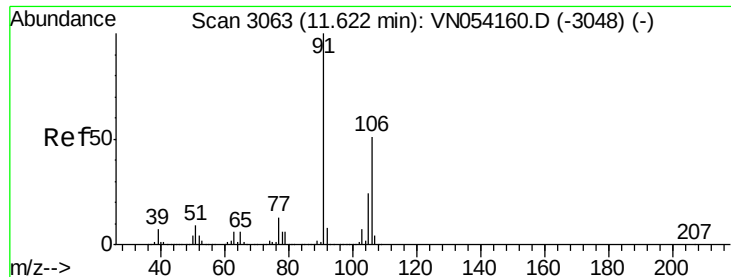
Tot Ion: 95 Resp: 1108465
Ion Ratio Lower Upper
95 100
174 97.4 0.0 191.0
176 95.0 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

Tgt Ion: 117 Resp: 2479502
Ion Ratio Lower Upper
117 100
82 49.6 40.0 60.0
119 32.4 25.8 38.6

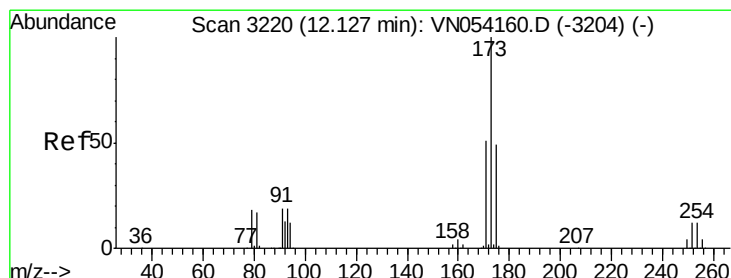
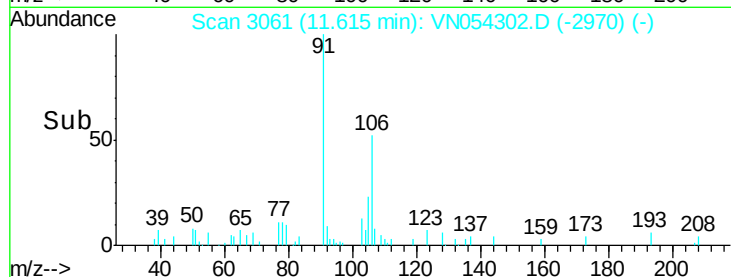
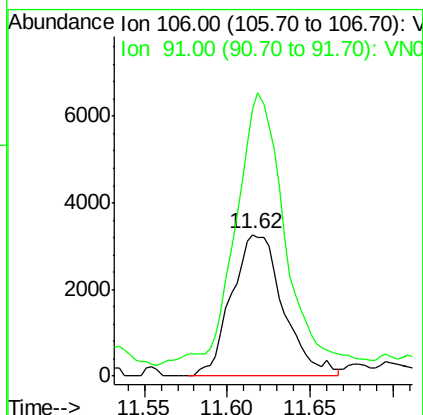
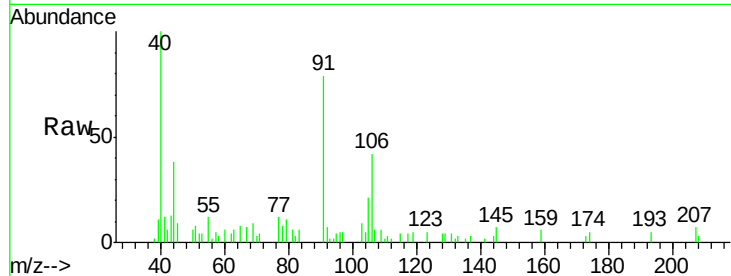




#68
m/p-Xylenes
Concen: 0.201 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

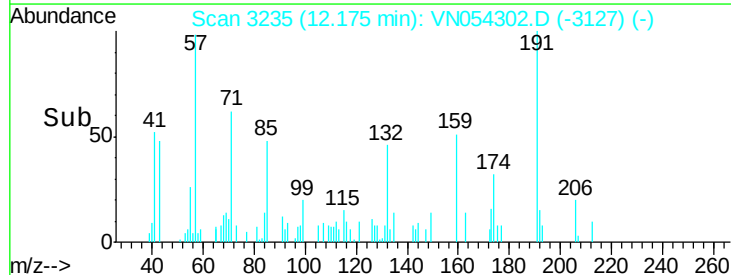
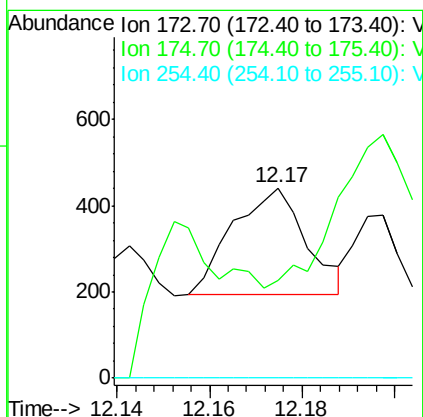
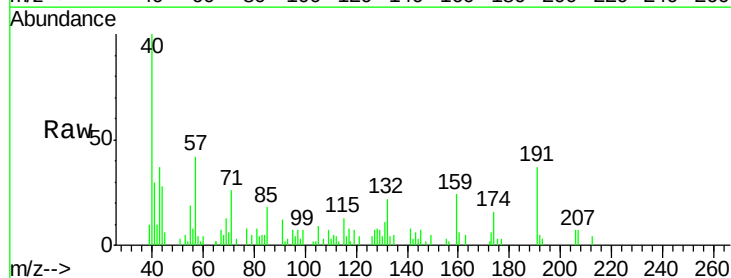
Instrument :
MSVOA_N
ClientSampleId :
30240-41-42-43-44

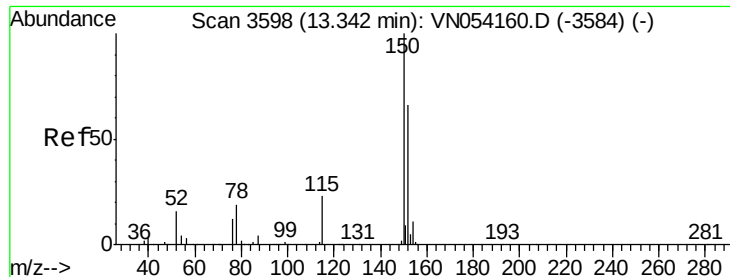
Tot Ion:106 Resp: 7079
Ion Ratio Lower Upper
106 100
91 182.9 159.4 239.2



#71
Bromoform
Concen: 2.368 ug/l
RT: 12.17 min Scan# 3235
Delta R.T. 0.05 min
Lab File: VN054302.D
Acq: 15 Mar 2019 10:29

Tgt Ion:173 Resp: 274
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

30240-41-42-43-44

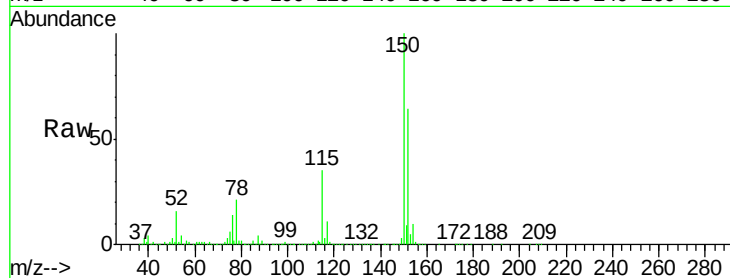
Tot Ion:152 Resp: 1023513

Ion Ratio Lower Upper

152 100

115 54.6 27.2 81.6

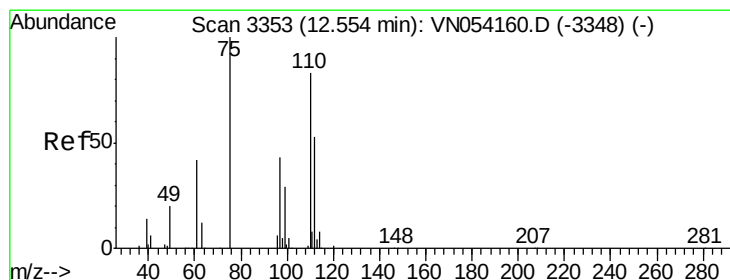
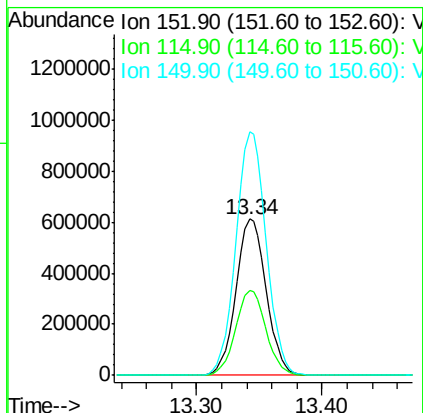
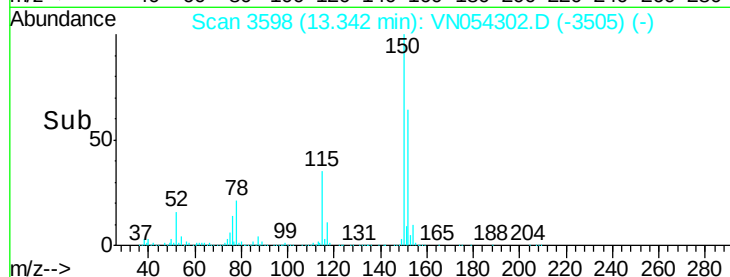
150 156.4 0.0 349.2



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: 34.131 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054302.D

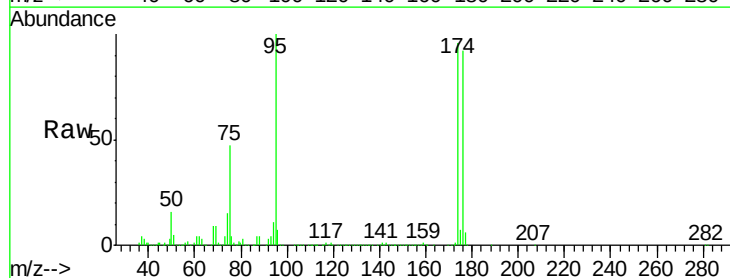
Acq: 15 Mar 2019 10:29

Tgt Ion: 75 Resp: 513708

Ion Ratio Lower Upper

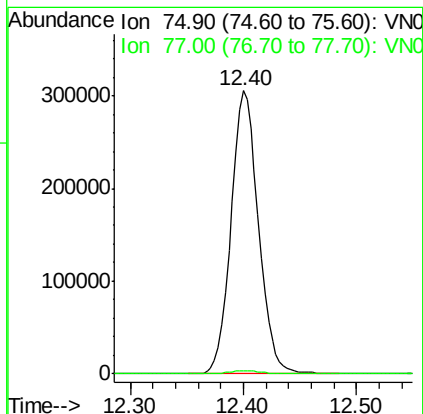
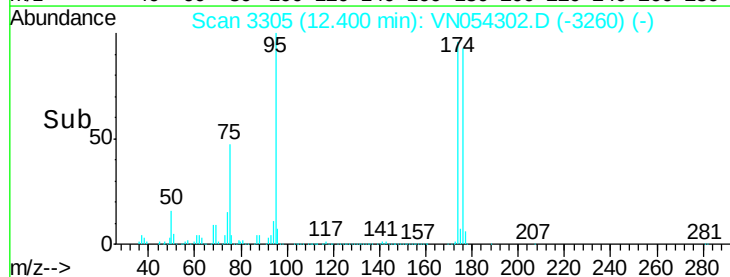
75 100

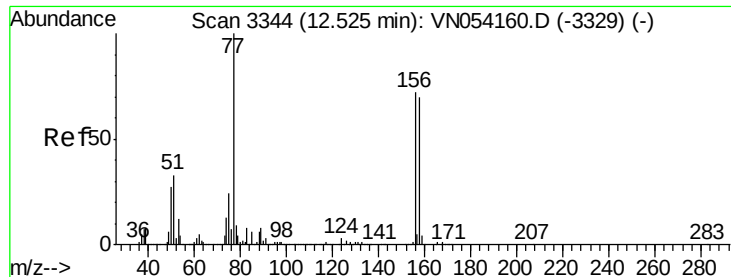
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.304 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.02 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

30240-41-42-43-44

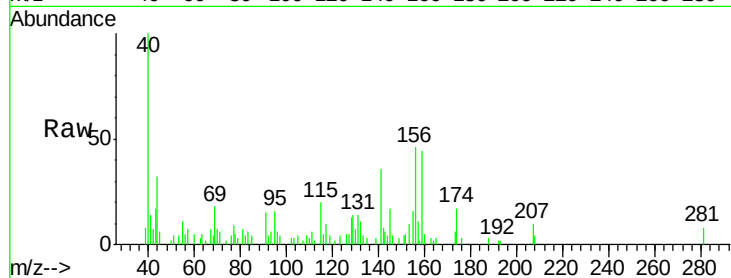
Tot Ion:156 Resp: 6577

Ion Ratio Lower Upper

156 100

77 10.5 81.5 244.4#

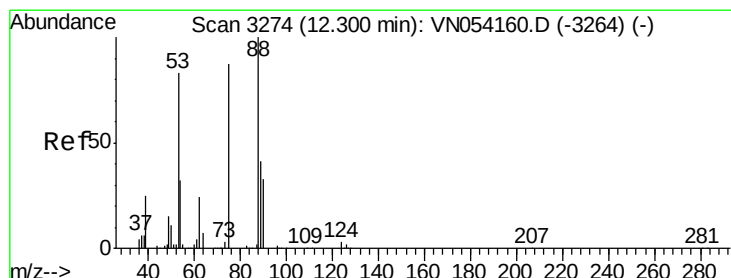
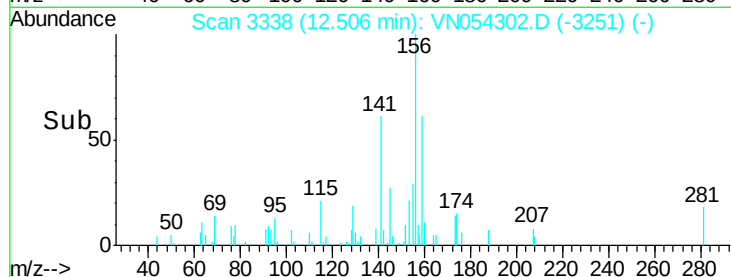
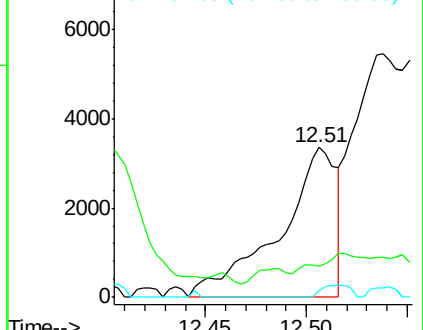
158 4.2 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 116.674 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

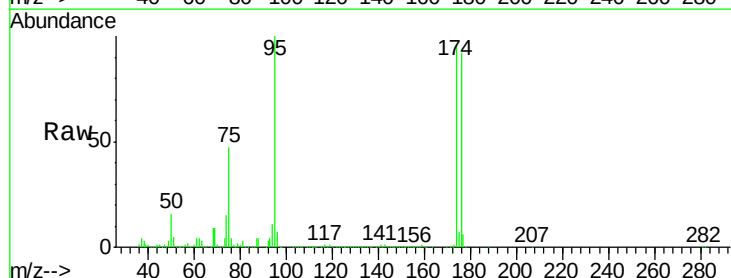
Tgt Ion: 75 Resp: 513708

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

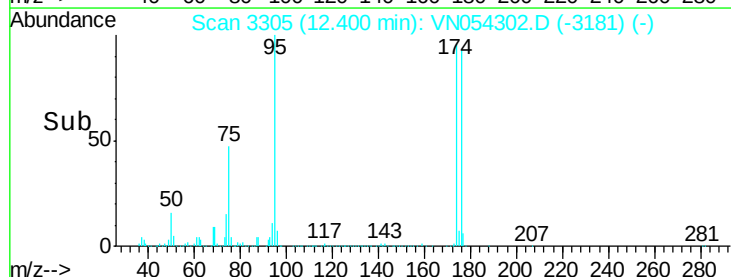
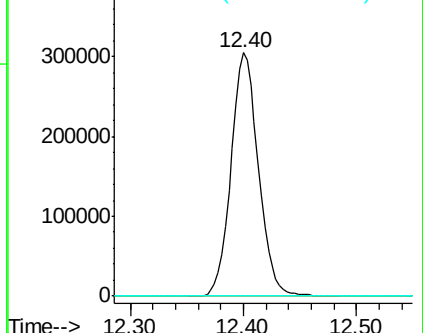
89 0.0 39.2 58.8#

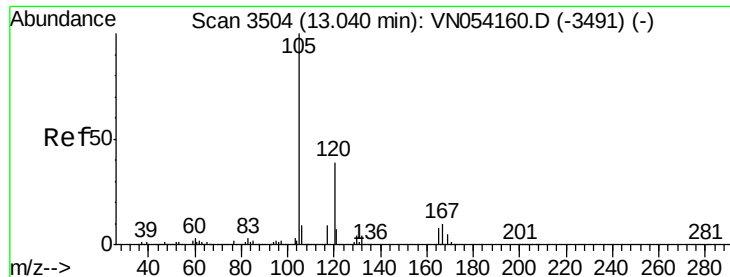


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.398 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

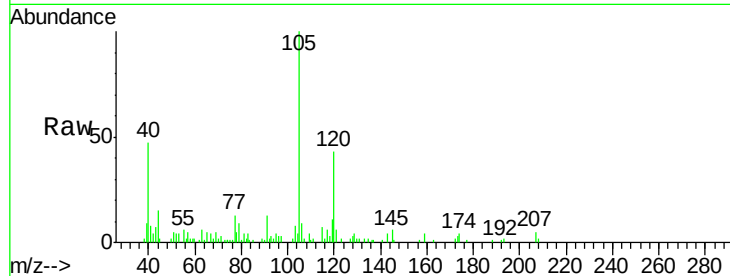
30240-41-42-43-44

Tot Ion:105 Resp: 26592

Ion Ratio Lower Upper

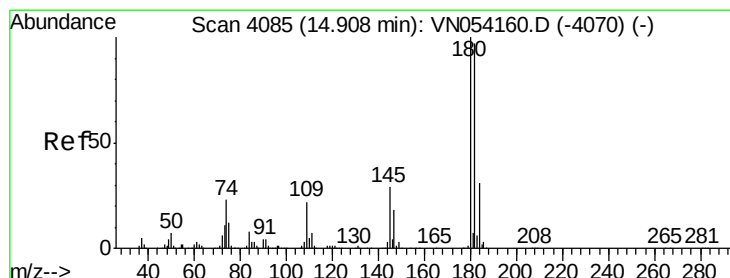
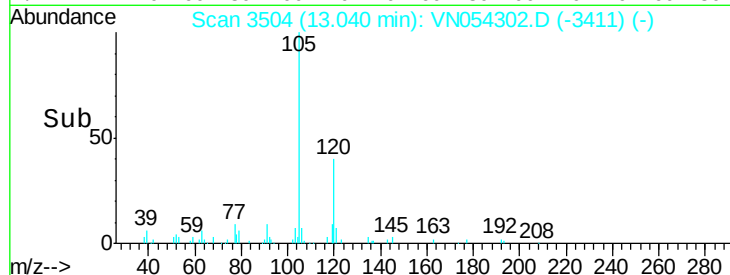
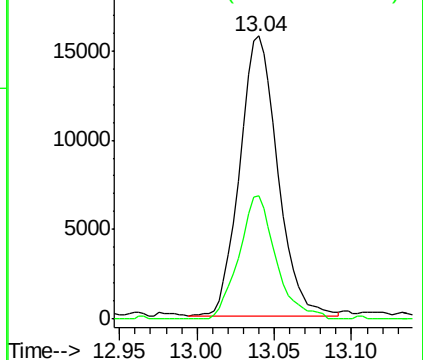
105 100

120 43.0 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#93

1,2,4-Trichlorobenzene

Concen: 2.530 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054302.D

Acq: 15 Mar 2019 10:29

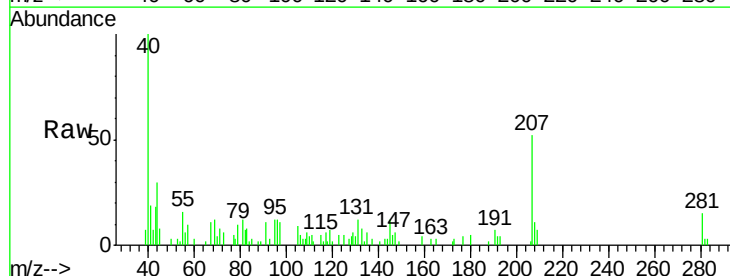
Tgt Ion:180 Resp: 297

Ion Ratio Lower Upper

180 100

182 0.0 48.0 144.2#

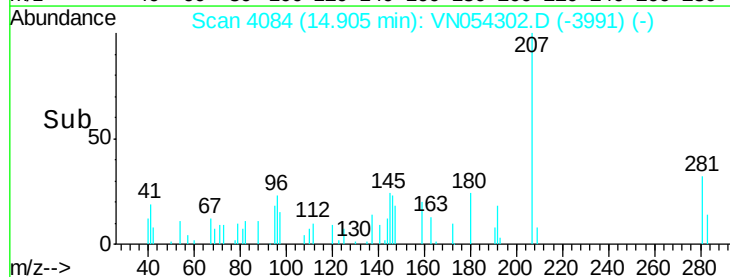
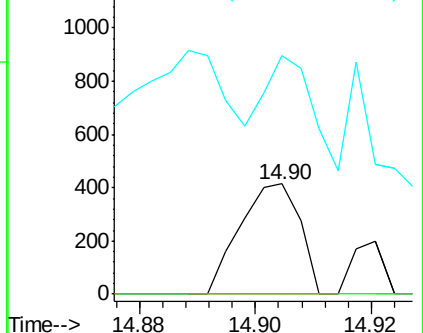
145 90.6 14.2 42.8#

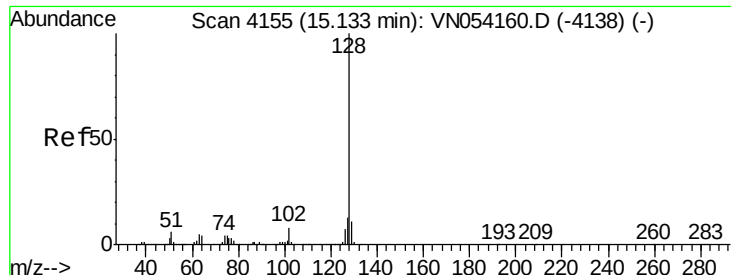


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.721 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054302.D

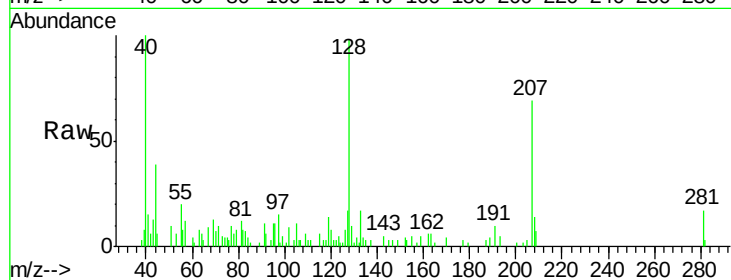
Acq: 15 Mar 2019 10:29

Instrument :

MSVOA_N

ClientSampleId :

30240-41-42-43-44



Tot Ion:	128	Resp:	12140
Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.1	15.1#
129	5.6	8.7	13.1#

