

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032919\
 Data File : VN054771.D
 Acq On : 29 Mar 2019 15:47
 Operator : JC/SP
 Sample : VN0329WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBL01

Quant Time: Mar 30 03:08:15 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	529555	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	845918	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	733695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	266560	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	348455	48.81	ug/l	0.00
Spiked Amount			Recovery	=	97.62%	
35) Dibromofluoromethane	7.59	113	274215	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	
50) Toluene-d8	10.09	98	1040534	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.40	95	326010	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	

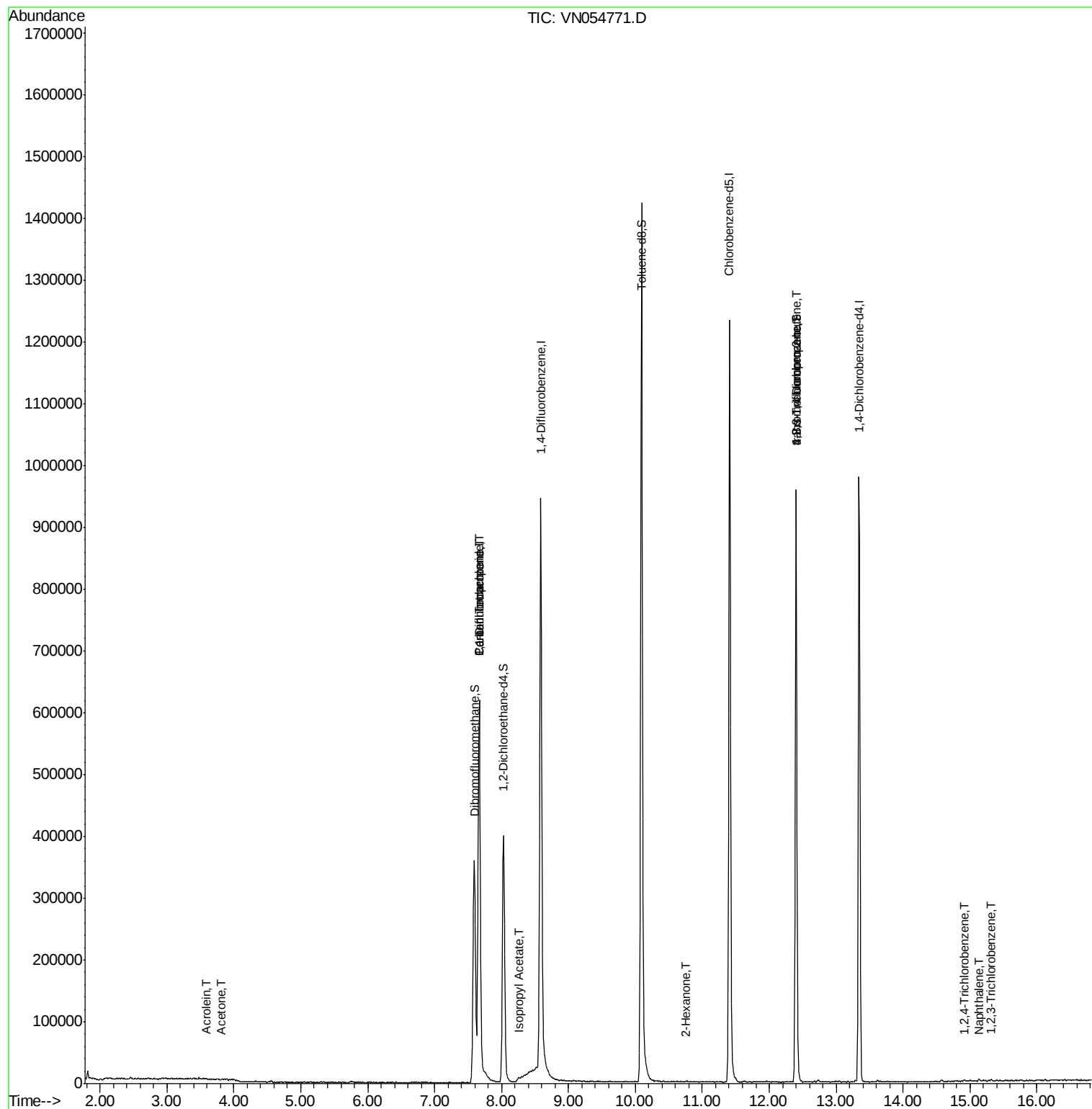
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	174	Below Cal		96
13) Acrolein	3.60	56	258	0.776 ug/l #		12
16) Acetone	3.82	43	494	0.290 ug/l #		38
18) Methyl Acetate	4.34	43	3044	Below Cal #		66
31) Cyclohexane	7.67	56	12578	Below Cal #		34
36) 1,1-Dichloropropene	7.67	75	39136	4.965 ug/l #		48
38) Carbon Tetrachloride	7.66	117	50476	6.593 ug/l #		16
43) Isopropyl Acetate	8.26	43	5438	0.579 ug/l #		60
59) 2-Hexanone	10.77	43	829	0.245 ug/l		66
75) 1,1,2,2-Tetrachloroethane	12.40	83	156	Below Cal #		1
76) 1,2,3-Trichloropropane	12.40	75	171042	36.936 ug/l #		100
81) trans-1,4-Dichloro-2-buten	12.40	75	171042	143.672 ug/l #		11
83) tert-Butylbenzene	12.99	119	629	Below Cal #		58
93) 1,2,4-Trichlorobenzene	14.91	180	899	0.210 ug/l #		79
94) Hexachlorobutadiene	15.01	225	406	Below Cal		76
95) Naphthalene	15.14	128	3231	0.336 ug/l #		89
96) 1,2,3-Trichlorobenzene	15.31	180	1268	0.293 ug/l #		73

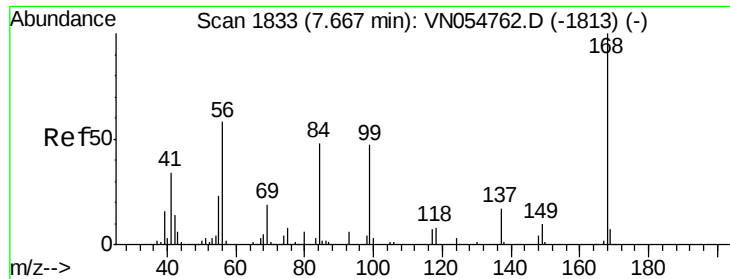
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

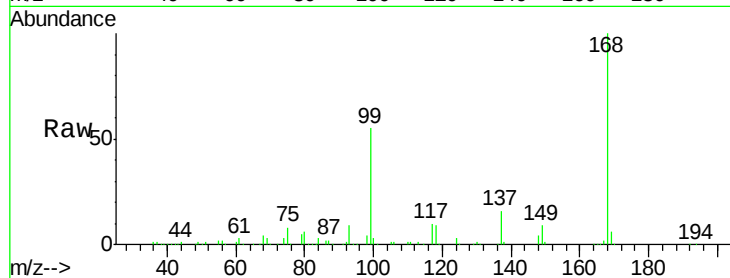
VN0329WBL01

Tgt Ion:168 Resp: 529555

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

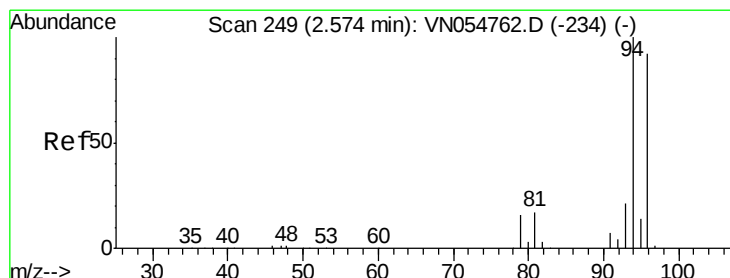
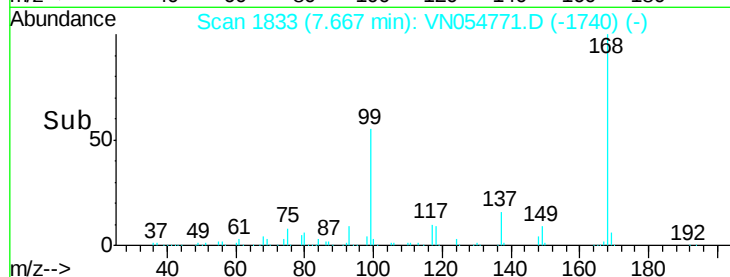
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN054771.D

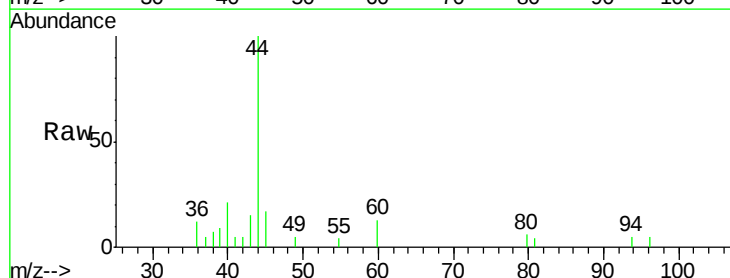
Acq: 29 Mar 2019 15:47

Tgt Ion: 94 Resp: 174

Ion Ratio Lower Upper

94 100

96 92.3 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

300

250

200

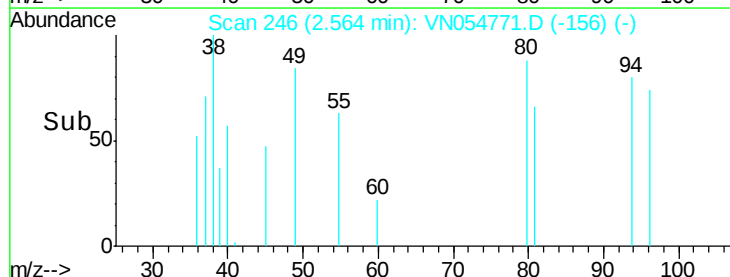
150

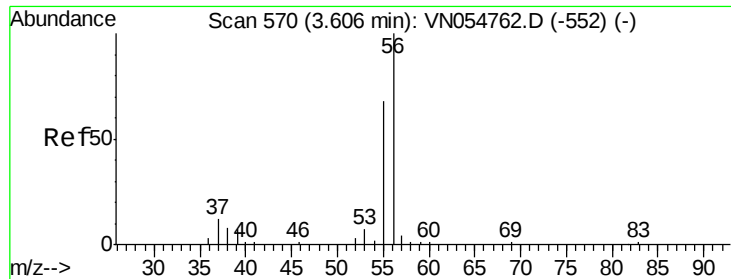
100

50

0

Time-->





#13

Acrolein

Concen: 0.776 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

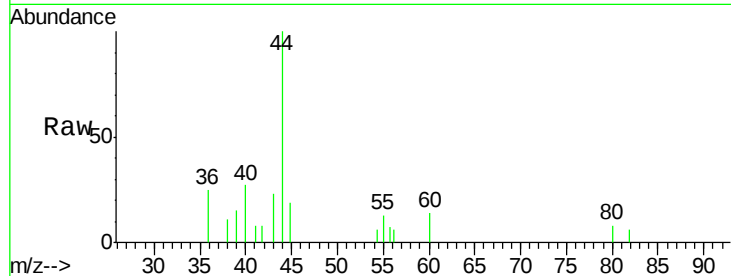
VN0329WBL01

Tgt Ion: 56 Resp: 258

Ion Ratio Lower Upper

56 100

55 143.4 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

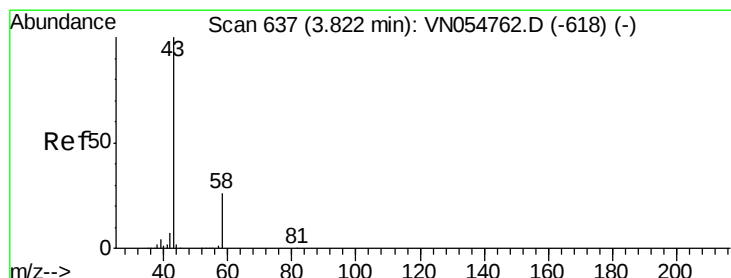
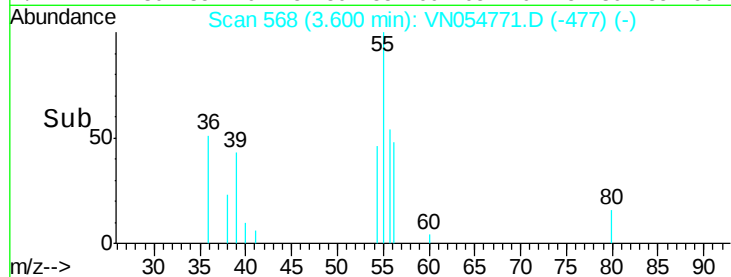
300

200

100

0

Time-->



#16

Acetone

Concen: 0.290 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN054771.D

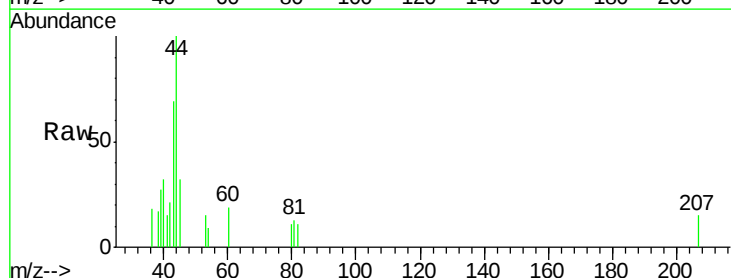
Acq: 29 Mar 2019 15:47

Tgt Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

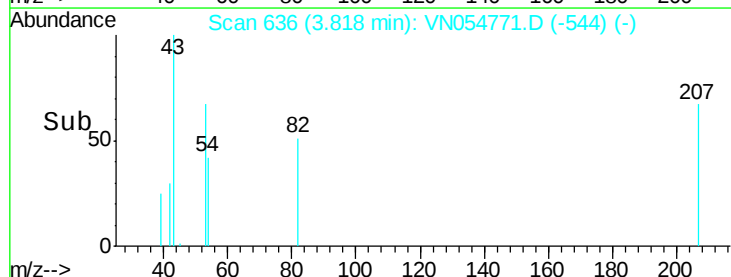
3.82

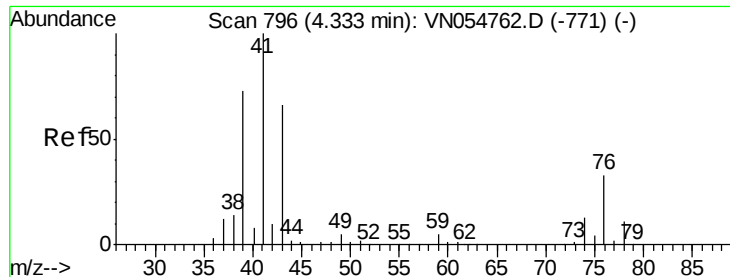
1000

500

0

Time-->

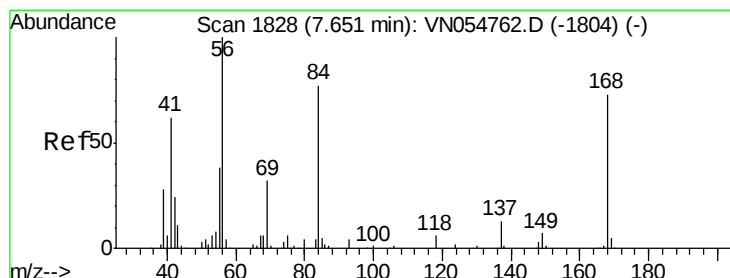
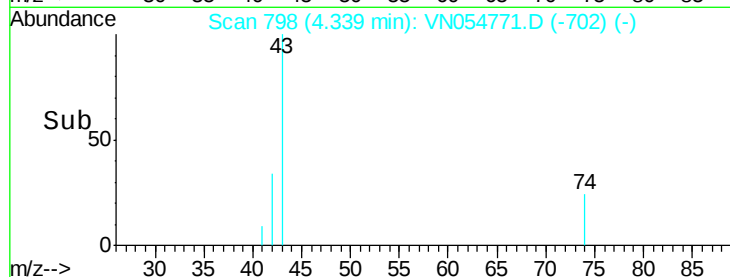
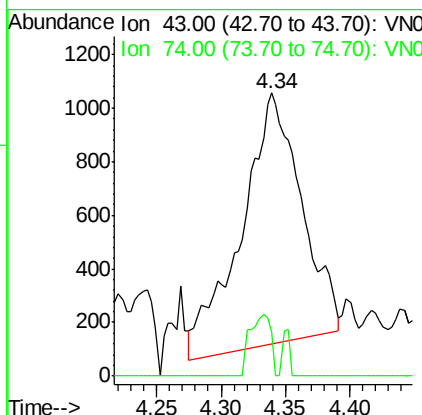
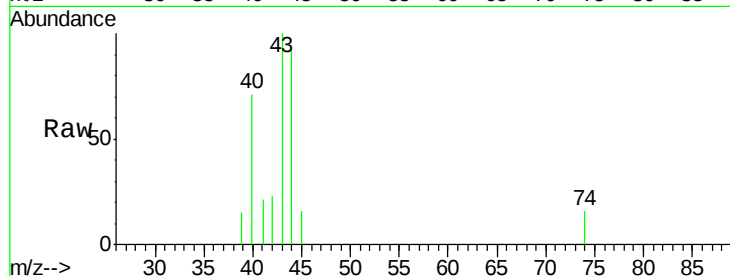




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

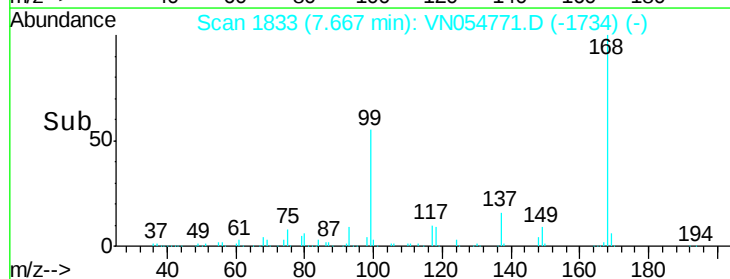
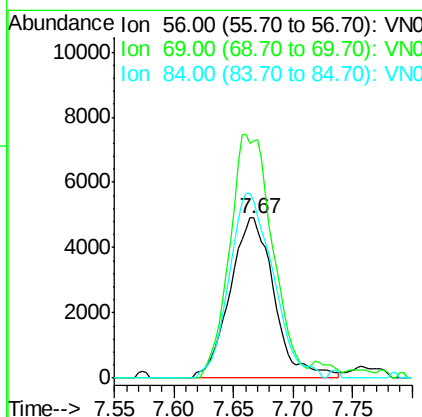
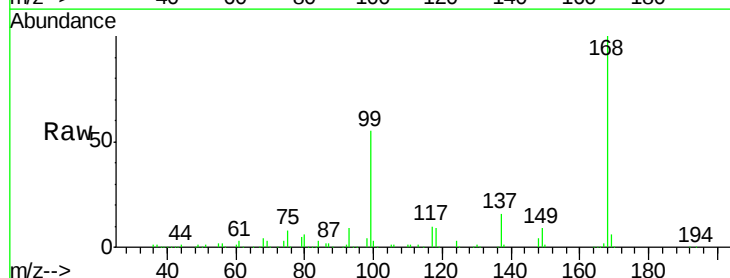
Instrument :
MSVOA_N
ClientSampleId :
VN0329WBL01

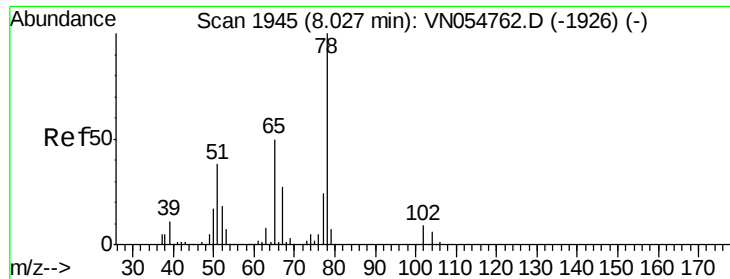
Tgt Ion: 43 Resp: 3044
Ion Ratio Lower Upper
43 100
74 8.6 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

Tgt Ion: 56 Resp: 12578
Ion Ratio Lower Upper
56 100
69 148.5 27.8 41.6#
84 110.4 74.6 111.8





#33

1,2-Dichloroethane-d4

Concen: 48.813 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

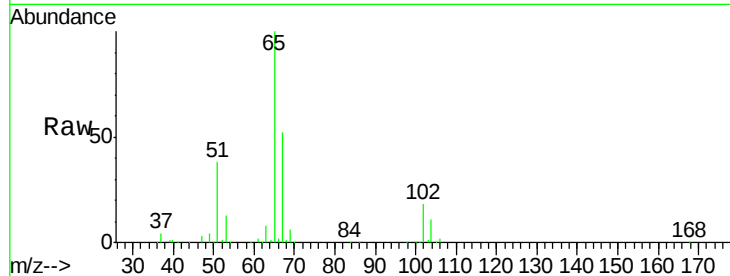
VN0329WBL01

Tgt Ion: 65 Resp: 348455

Ion Ratio Lower Upper

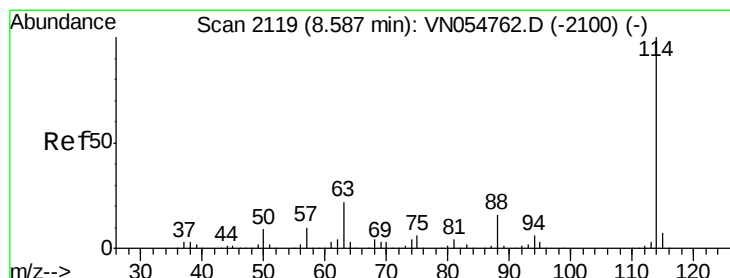
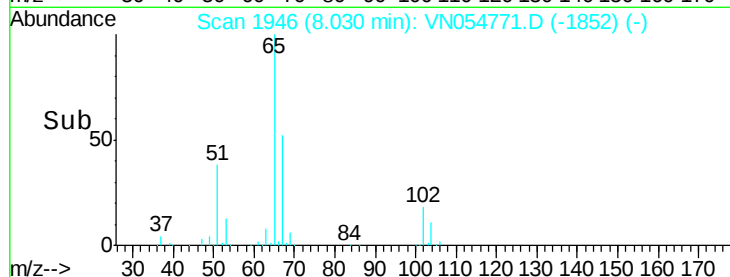
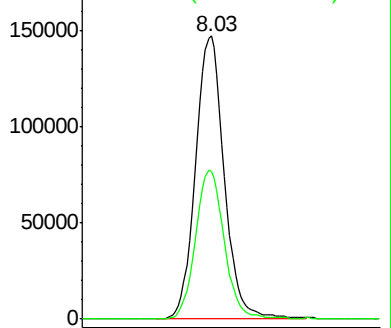
65 100

67 52.6 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: VN054771.D

Acq: 29 Mar 2019 15:47

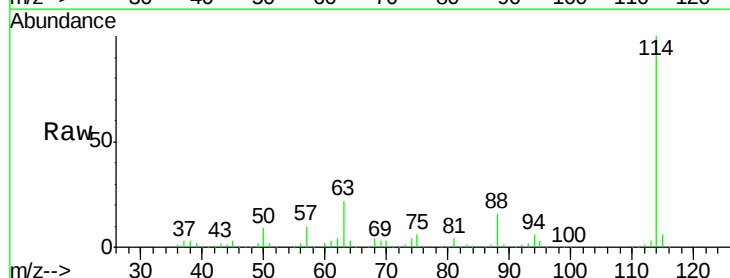
Tgt Ion: 114 Resp: 845918

Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

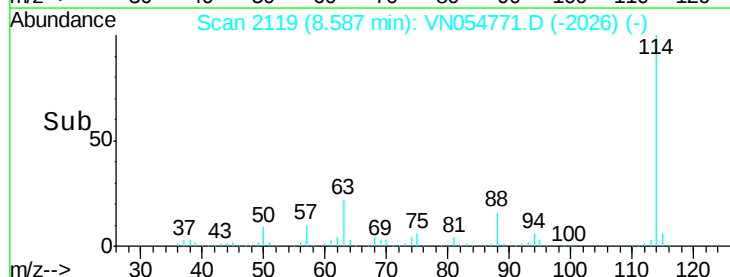
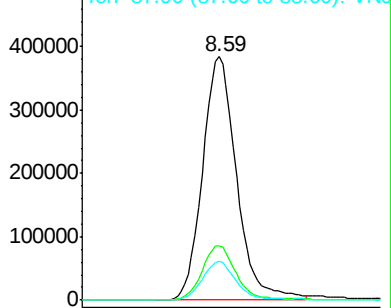
88 15.7 0.0 30.2

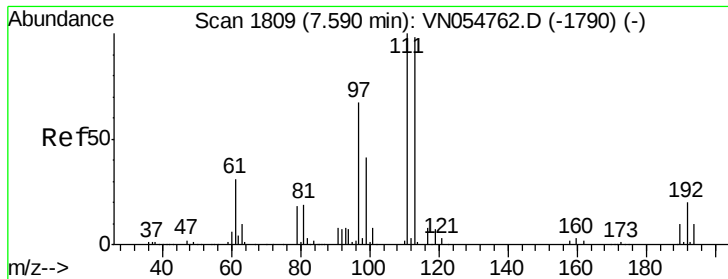


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

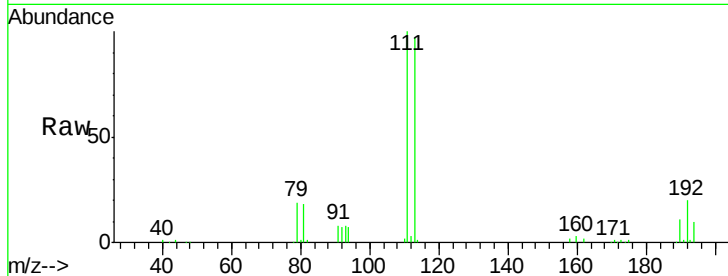




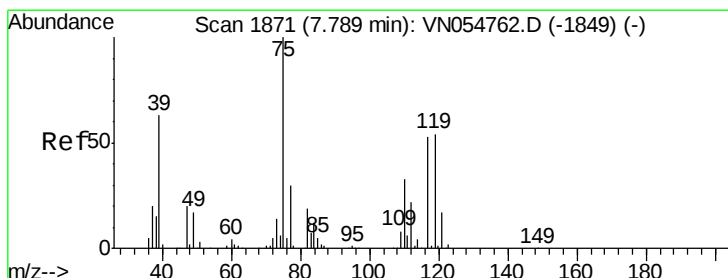
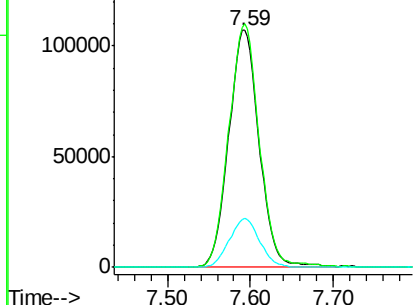
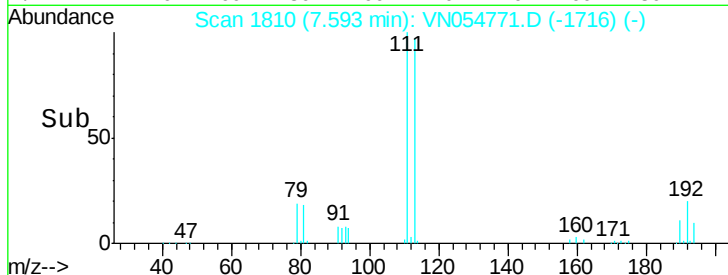
#35
 Dibromofluoromethane
 Concen: 48.623 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampled :
 VN0329WBL01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	20.6	19.2	28.8

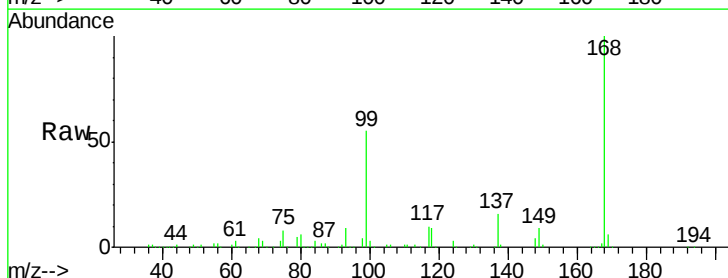


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

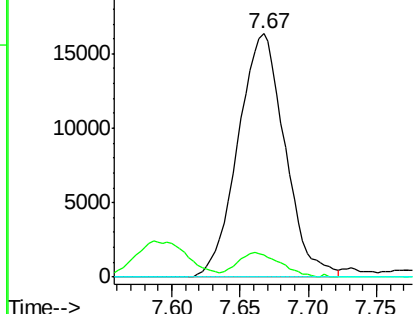
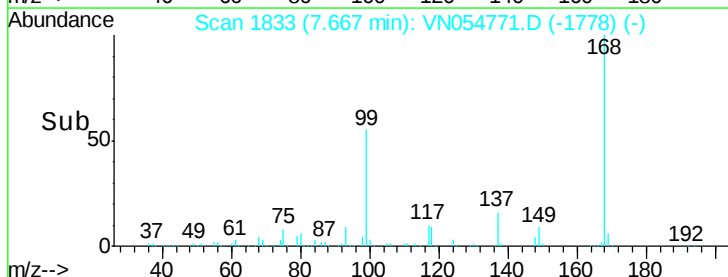


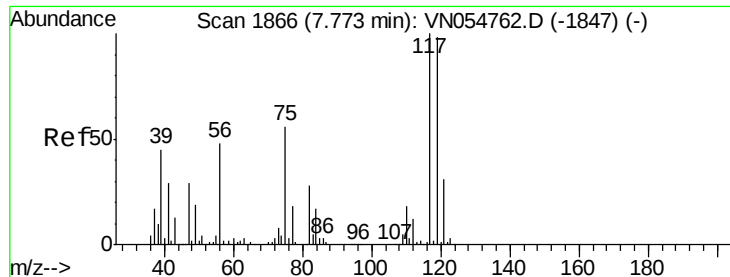
#36
 1,1-Dichloropropene
 Concen: 4.965 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.12 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.593 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

VN0329WBL01

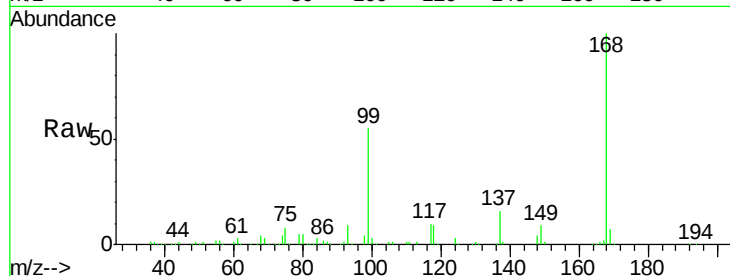
Tgt Ion:117 Resp: 50476

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

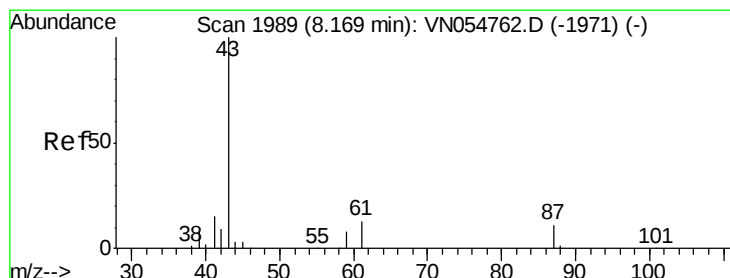
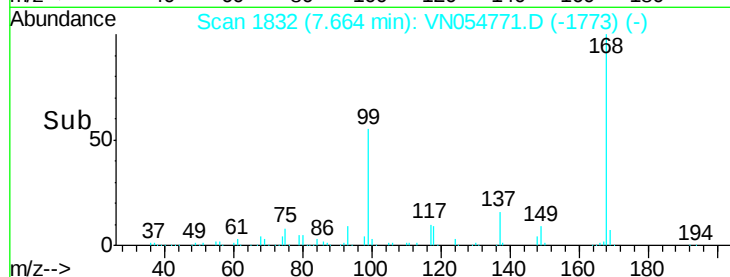
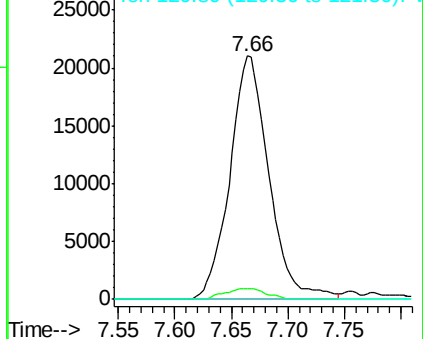
121 0.0 24.6 36.8#



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: 0.579 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

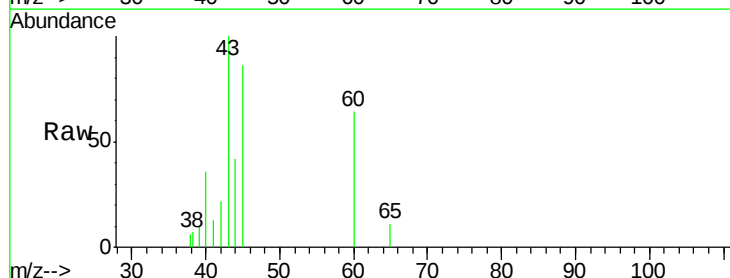
Tgt Ion: 43 Resp: 5438

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

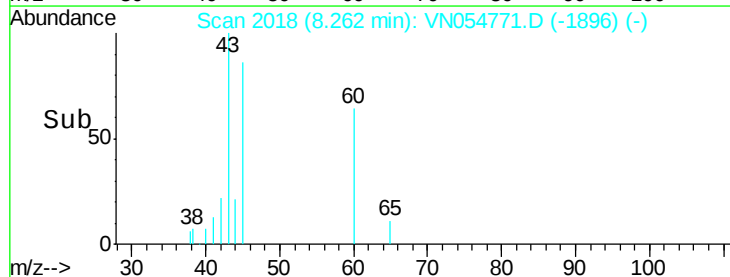
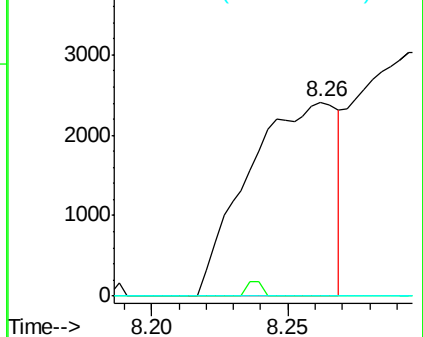
87 0.0 12.0 18.0#

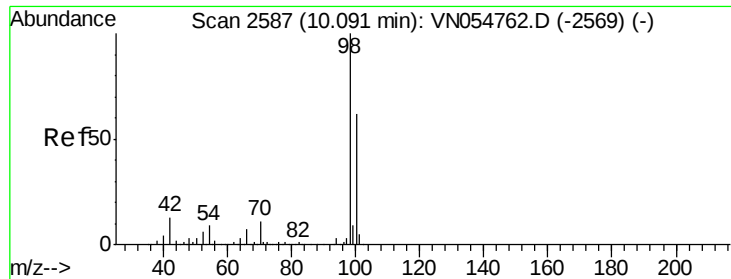


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

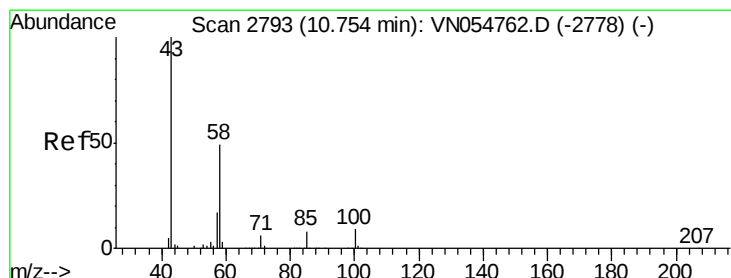
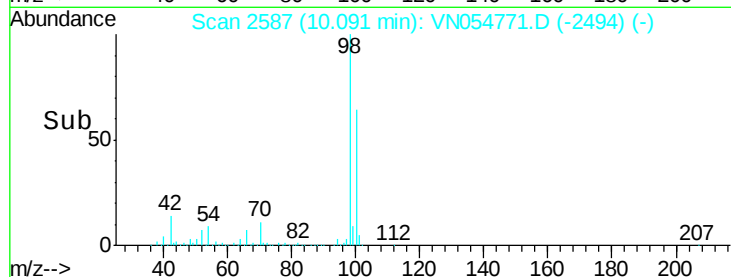
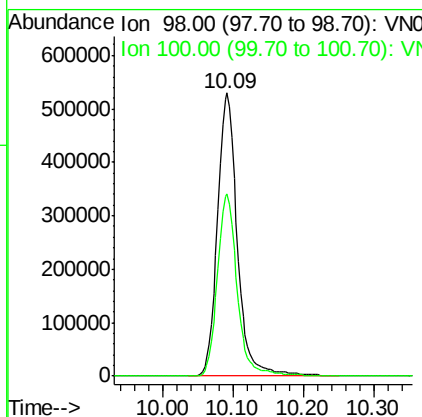
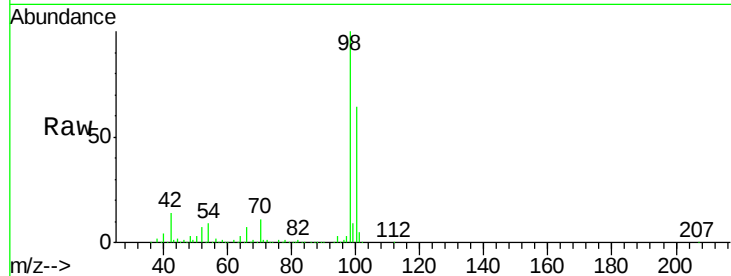




#50
Toluene-d8
Concen: 49.627 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

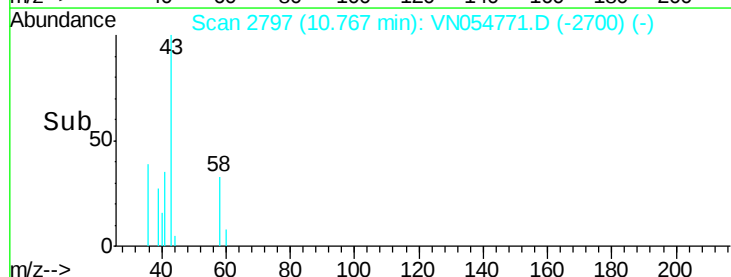
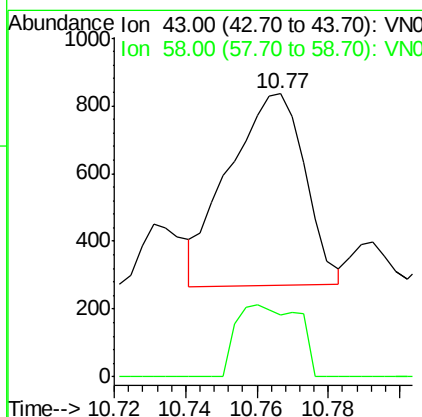
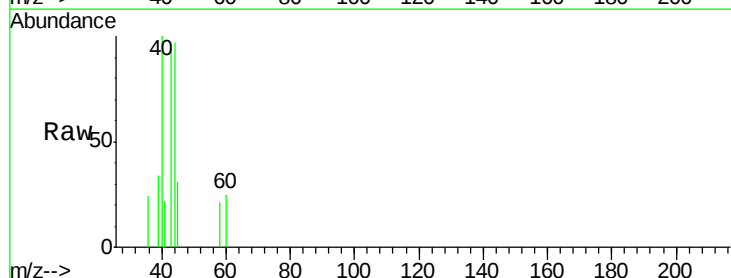
Instrument :
MSVOA_N
ClientSampleId :
VN0329WBL01

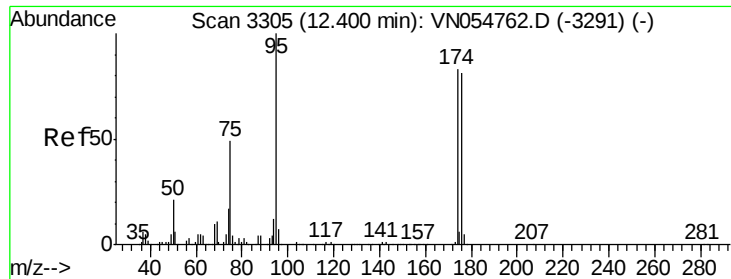
Tgt Ion: 98 Resp: 1040534
Ion Ratio Lower Upper
98 100
100 64.2 51.2 76.8



#59
2-Hexanone
Concen: 0.245 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
58 31.0 28.0 83.9

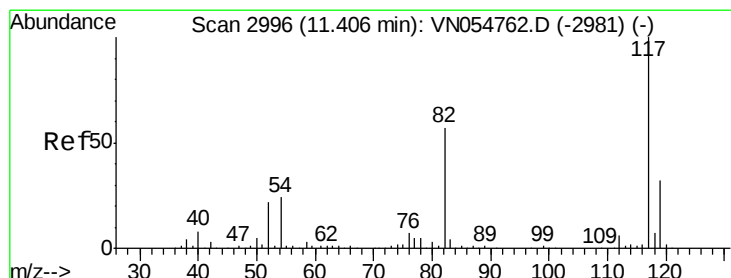
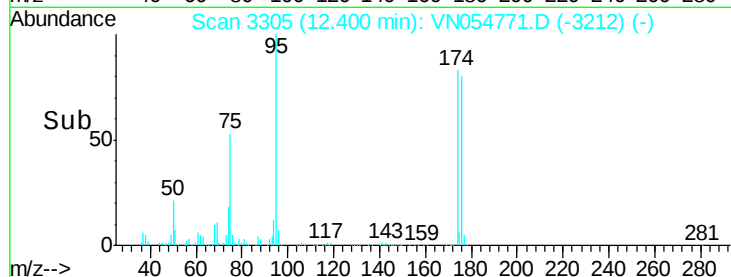
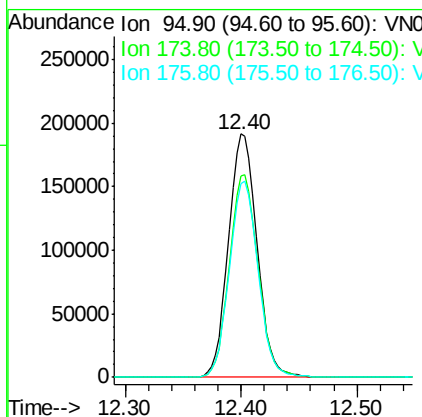
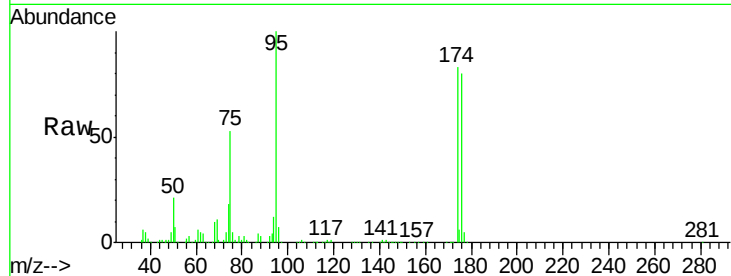




#62
4-Bromofluorobenzene
Concen: 46.752 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

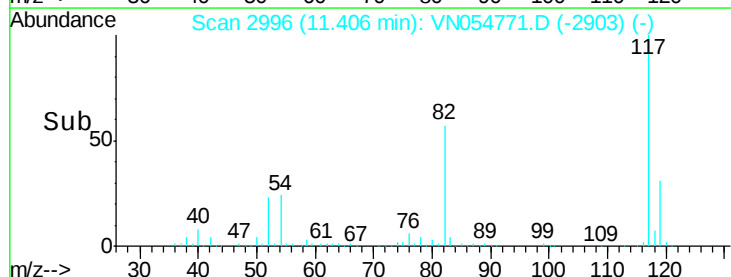
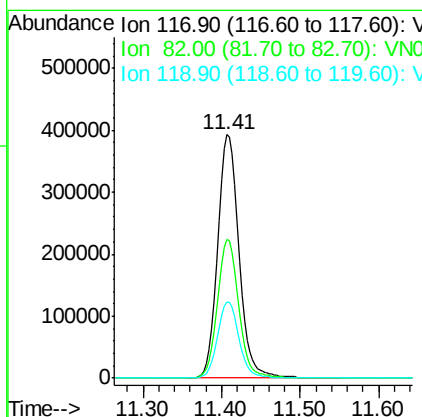
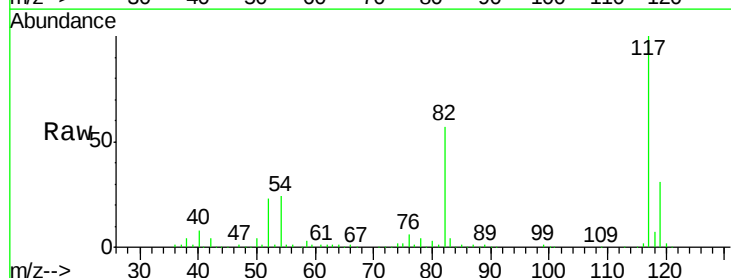
Instrument :
MSVOA_N
ClientSampled :
VN0329WBL01

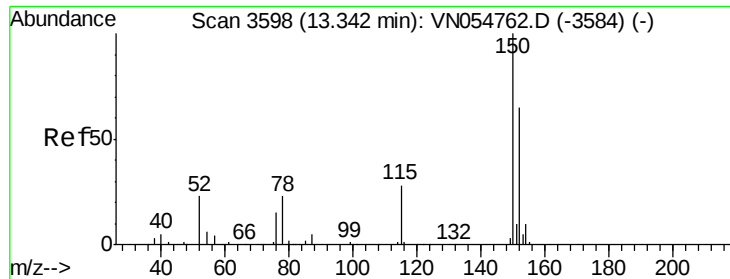
Tgt Ion: 95 Resp: 326010
Ion Ratio Lower Upper
95 100
174 83.4 0.0 191.0
176 80.7 0.0 187.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054771.D
Acq: 29 Mar 2019 15:47

Tgt Ion: 117 Resp: 733695
Ion Ratio Lower Upper
117 100
82 57.2 40.0 60.0
119 31.4 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampleId :

VN0329WBL01

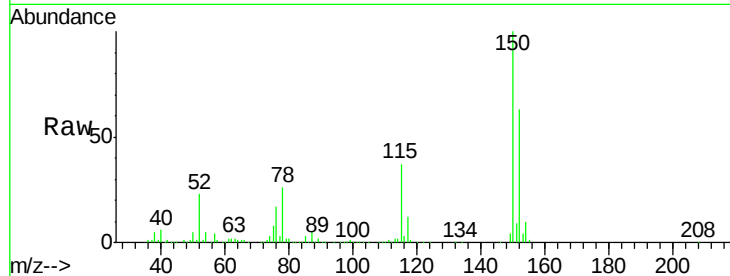
Tgt Ion:152 Resp: 266560

Ion Ratio Lower Upper

152 100

115 58.7 27.2 81.6

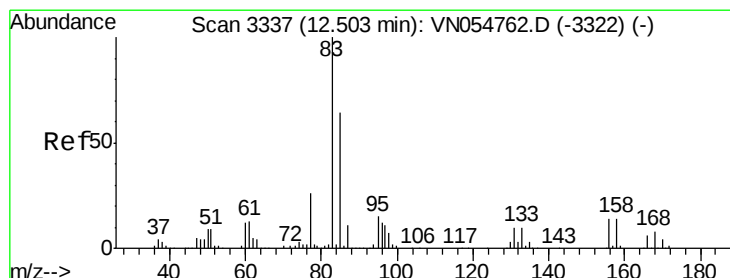
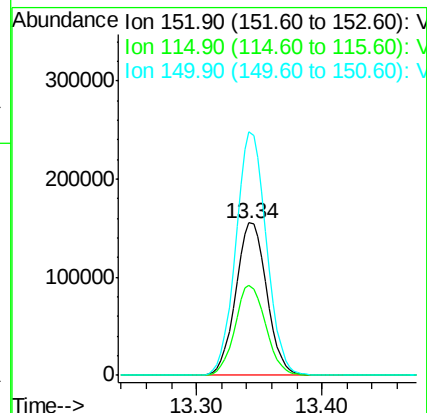
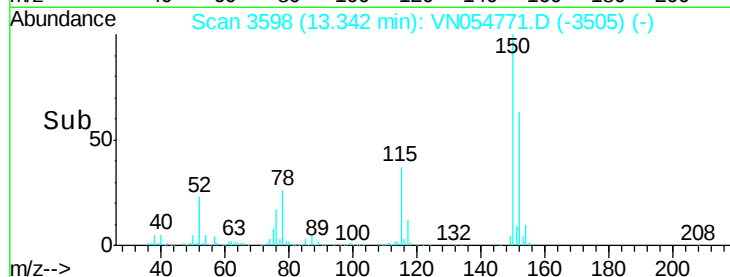
150 157.7 0.0 349.2



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# 3304

Delta R.T. -0.11 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

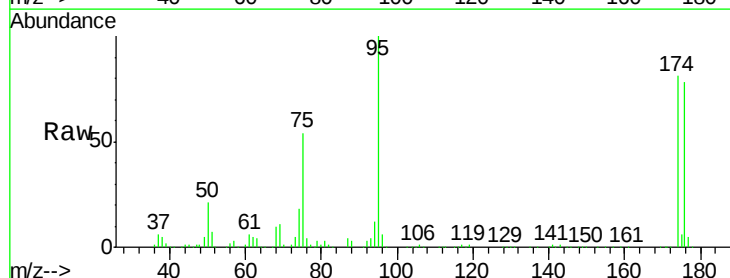
Tgt Ion: 83 Resp: 156

Ion Ratio Lower Upper

83 100

131 248.1 5.8 17.4#

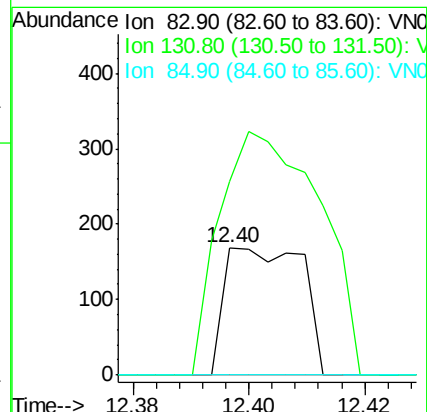
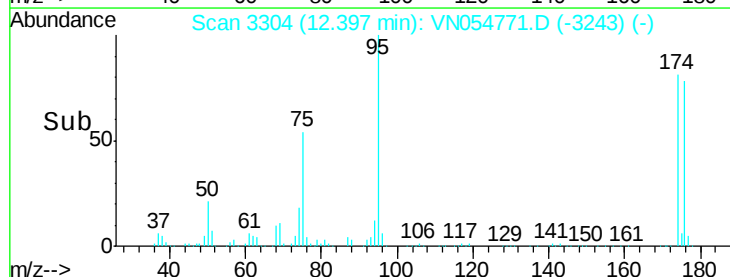
85 0.0 32.2 96.6#

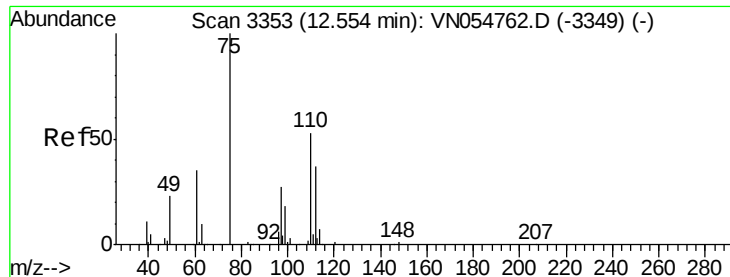


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

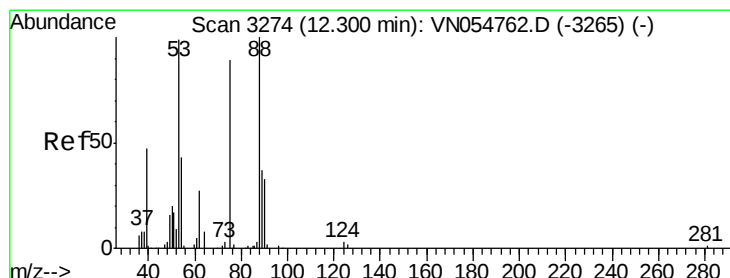
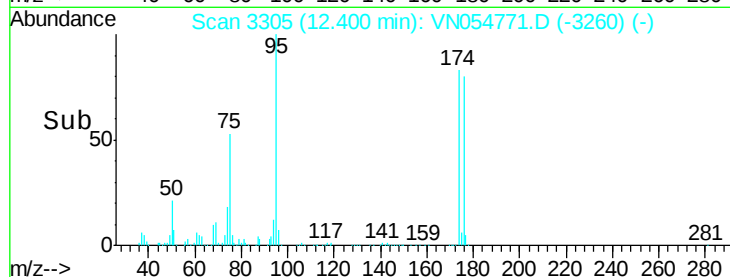
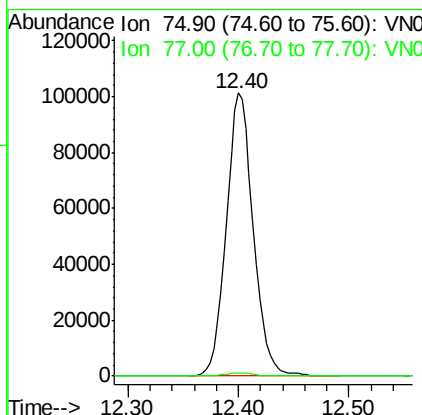
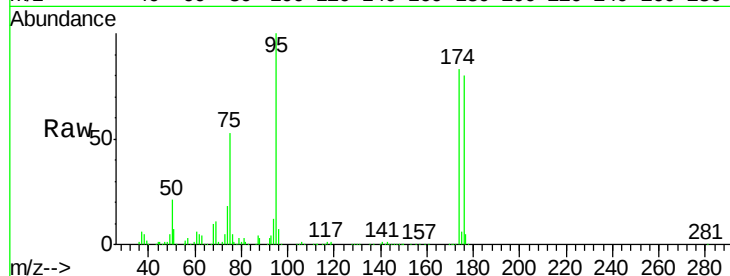




#76
 1,2,3-Trichloropropane
 Concen: 36.936 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

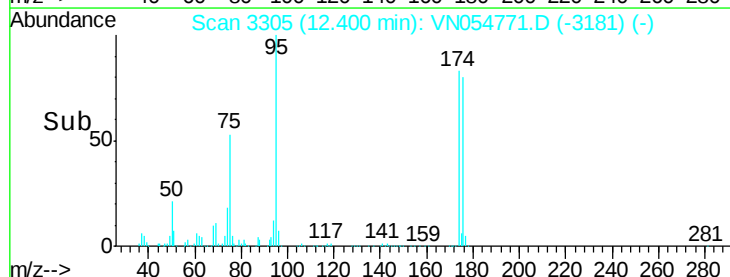
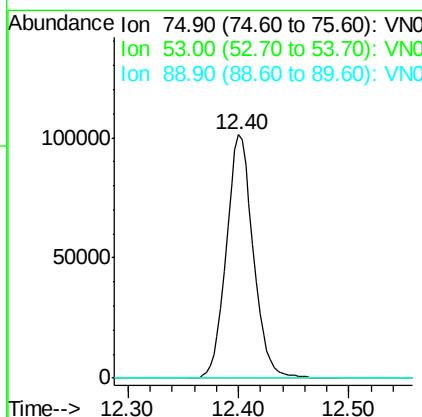
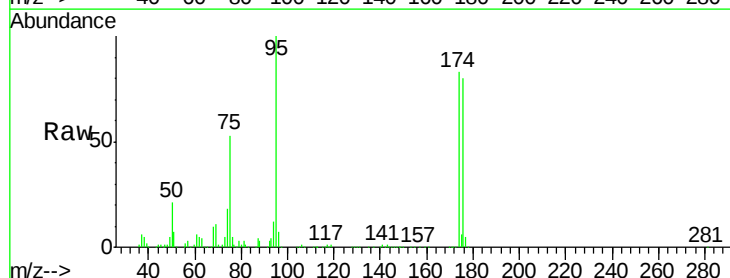
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBL01

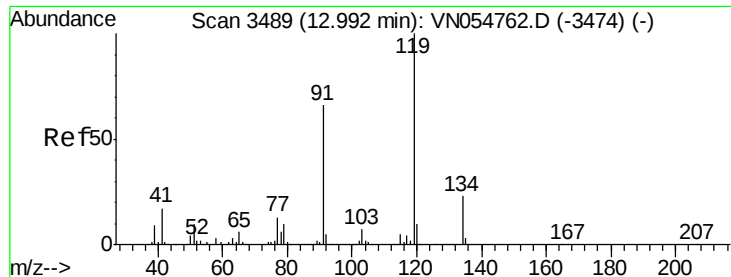
Tgt Ion: 75 Resp: 171042
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.672 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

Tgt Ion: 75 Resp: 171042
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.2 114.2#
 89 0.0 39.2 58.8#

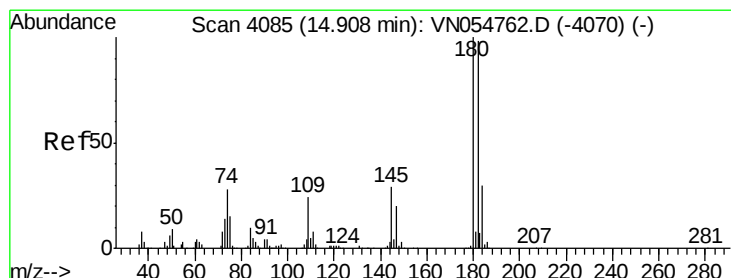
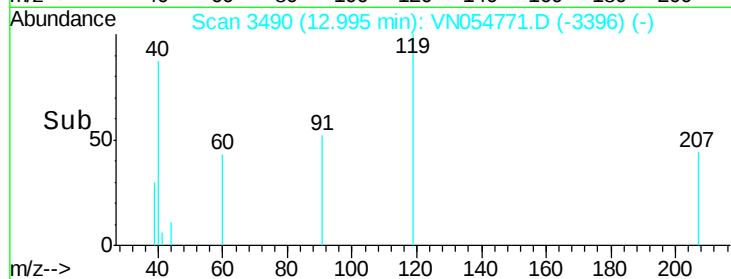
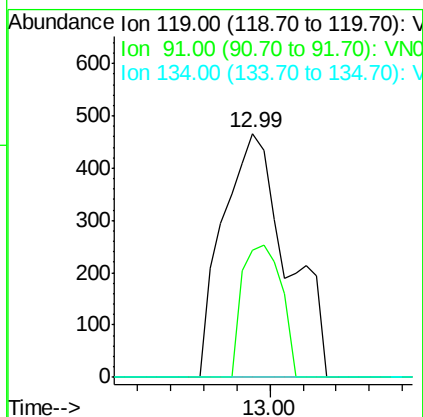
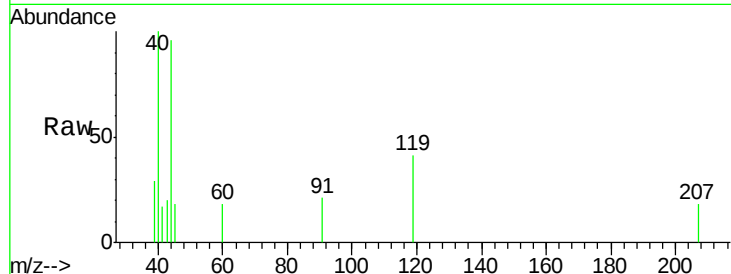




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

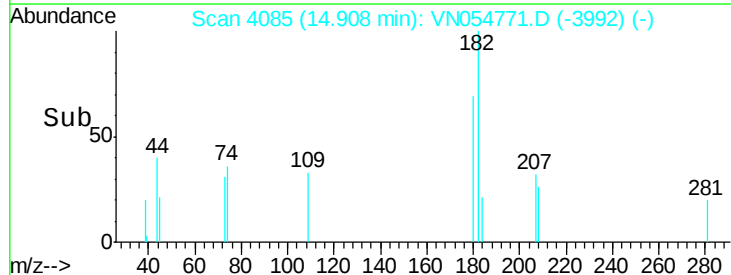
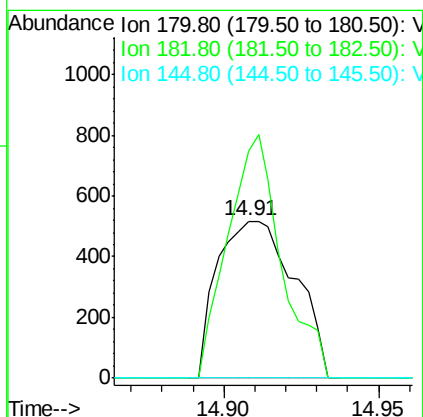
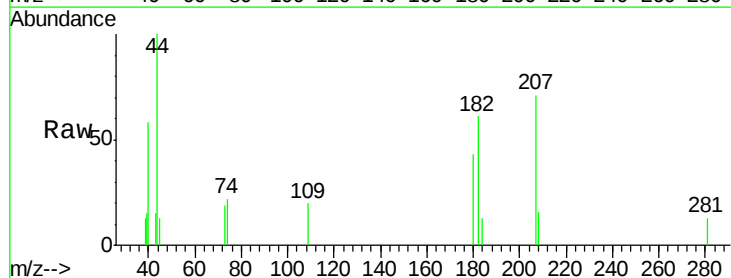
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBL01

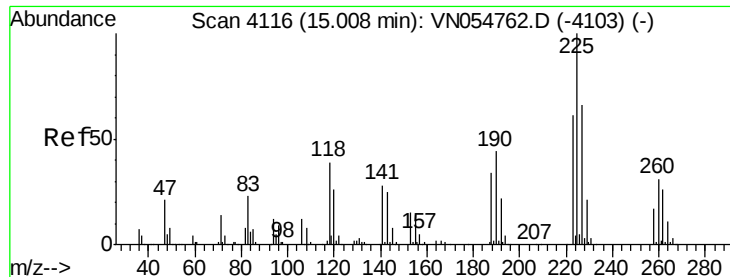
Tgt Ion:119 Resp: 629
 Ion Ratio Lower Upper
 119 100
 91 33.1 30.9 92.8
 134 0.0 13.2 39.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.210 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

Tgt Ion:180 Resp: 899
 Ion Ratio Lower Upper
 180 100
 182 107.7 48.0 144.2
 145 0.0 14.2 42.8#





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.01 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

Instrument :

MSVOA_N

ClientSampled :

VN0329WBL01

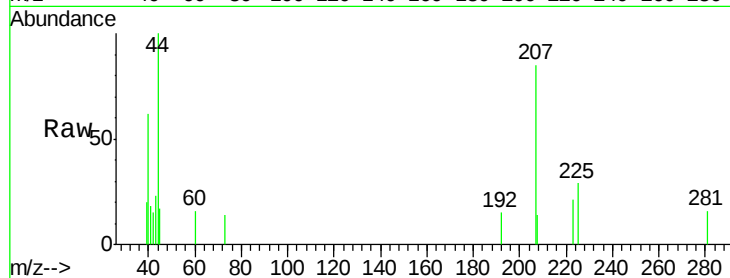
Tgt Ion:225 Resp: 406

Ion Ratio Lower Upper

225 100

223 72.9 31.1 93.5

227 36.7 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

15.01

300

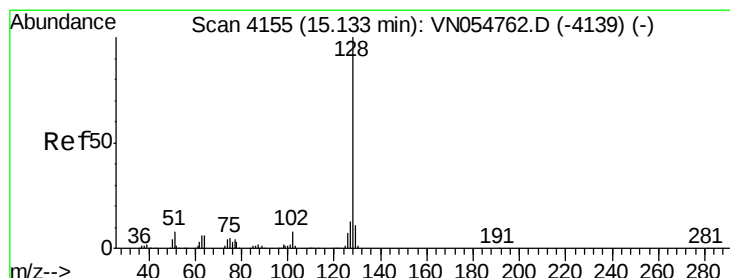
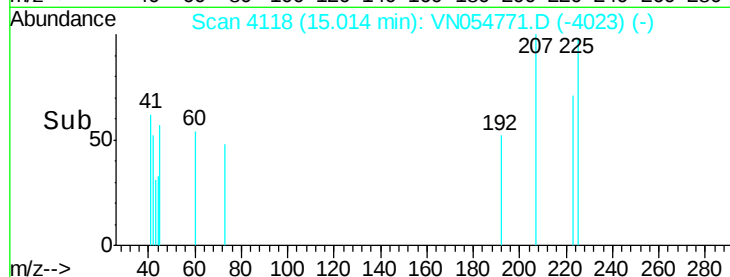
200

100

0

14.98 15.00 15.02

Time-->



#95

Naphthalene

Concen: 0.336 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054771.D

Acq: 29 Mar 2019 15:47

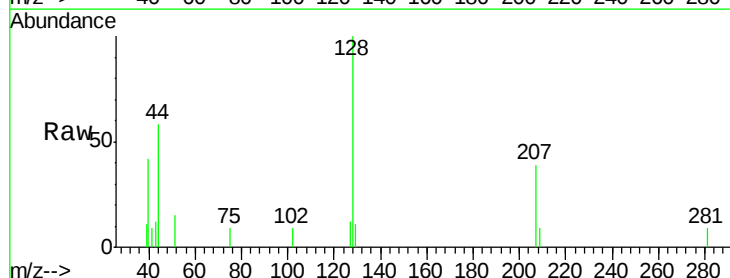
Tgt Ion:128 Resp: 3231

Ion Ratio Lower Upper

128 100

127 9.2 10.1 15.1#

129 5.4 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

15.14

2500

2000

1500

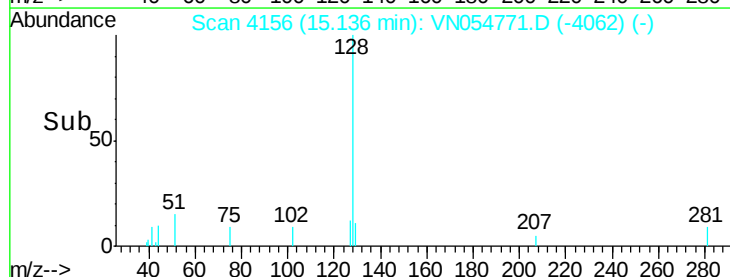
1000

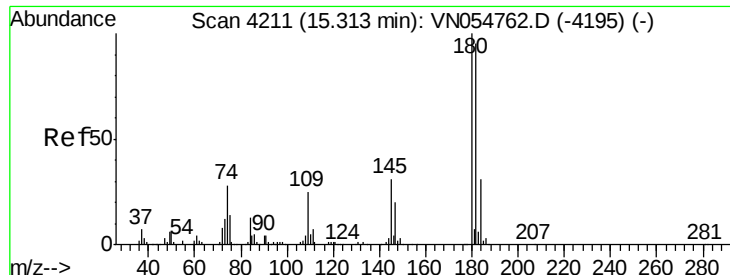
500

0

15.10 15.15

Time-->

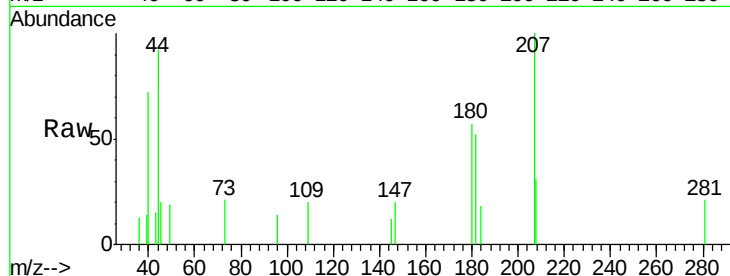




#96
 1,2,3-Trichlorobenzene
 Concen: 0.293 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN054771.D
 Acq: 29 Mar 2019 15:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0329WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.3	47.5	142.6
145	4.7	14.8	44.3



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

