

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN033019\
 Data File : VN054796.D
 Acq On : 30 Mar 2019 12:27
 Operator : JC/SP
 Sample : VN0330WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

Quant Time: Mar 30 22:38:18 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	538389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	856242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	729086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	256736	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	352616	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
35) Dibromofluoromethane	7.59	113	272630	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
50) Toluene-d8	10.09	98	1041297	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
62) 4-Bromofluorobenzene	12.40	95	321997	45.62	ug/l	0.00
Spiked Amount			Recovery	=	91.24%	

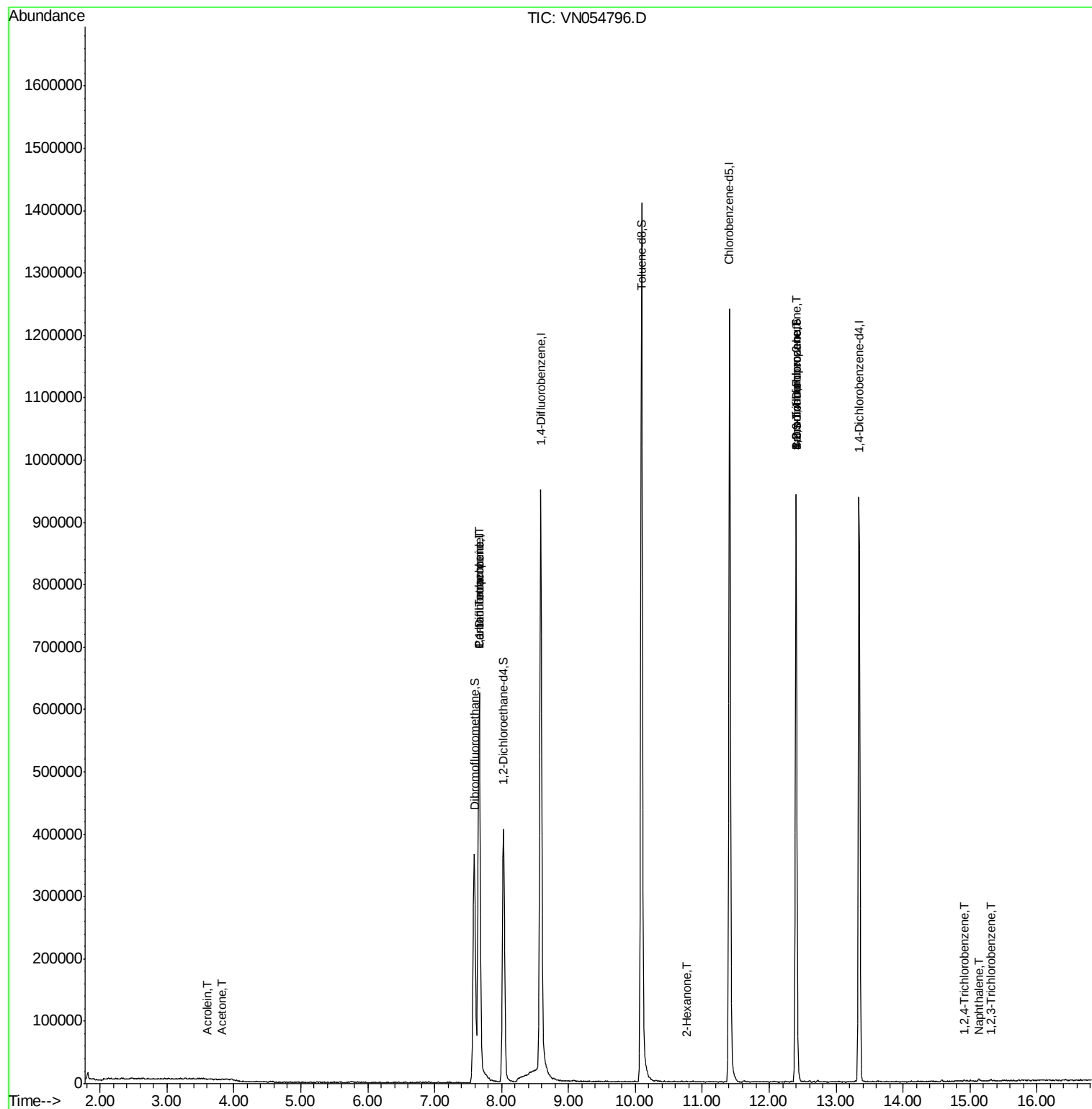
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	508	Below Cal	#	2
13) Acrolein	3.61	56	329	0.973	ug/l #	1
16) Acetone	3.83	43	764	0.441	ug/l #	38
18) Methyl Acetate	4.33	43	450	Below Cal	#	73
31) Cyclohexane	7.67	56	12478	Below Cal	#	38
36) 1,1-Dichloropropene	7.66	75	41129	5.155	ug/l #	48
38) Carbon Tetrachloride	7.66	117	51479	6.643	ug/l #	16
59) 2-Hexanone	10.76	43	822	0.240	ug/l #	58
71) Bromoform	12.39	173	976	0.312	ug/l #	28
75) 1,1,2,2-Tetrachloroethane	12.41	83	401	Below Cal	#	5
76) 1,2,3-Trichloropropane	12.40	75	169309	37.961	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169309	147.658	ug/l #	11
83) tert-Butylbenzene	12.99	119	384	Below Cal	#	58
93) 1,2,4-Trichlorobenzene	14.92	180	922	0.223	ug/l	96
94) Hexachlorobutadiene	15.00	225	224	Below Cal	#	38
95) Naphthalene	15.14	128	3115	0.337	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.32	180	1142	0.274	ug/l	99

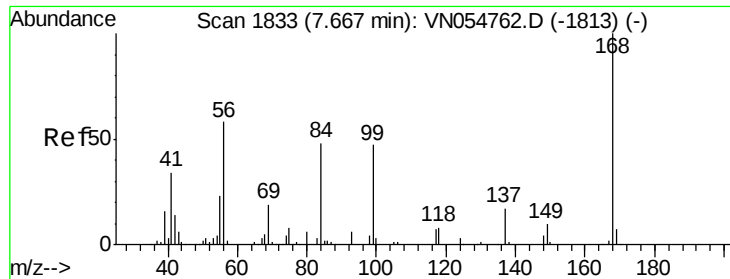
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN054796.D
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Operator : JC/SP
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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Mar 30 22:38:18 2019
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Quant Title : SW846 8260
QLast Update : Sat Mar 30 00:48:18 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: VN054796.D

Acq: 30 Mar 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

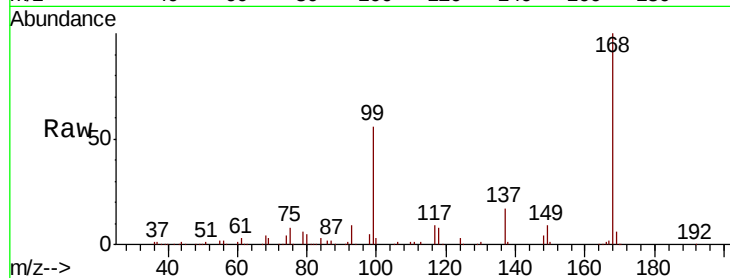
VN0330WBL01

Tot Ion:168 Resp: 538389

Ion Ratio Lower Upper

168 100

99 55.9 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): VN054796.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054796.D (-1740) (-)

7.67

250000

200000

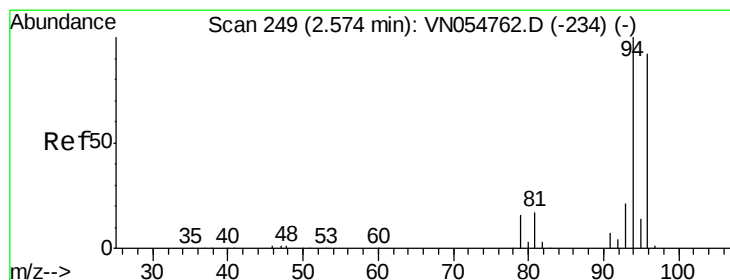
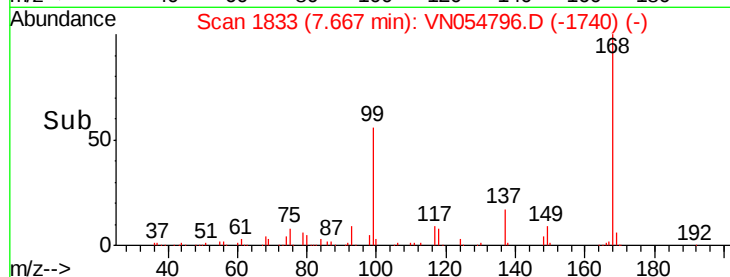
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN054796.D

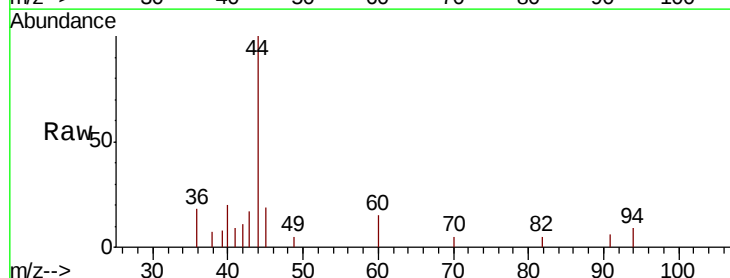
Acq: 30 Mar 2019 12:27

Tgt Ion: 94 Resp: 508

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN054796.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN054796.D (-156) (-)

2.58

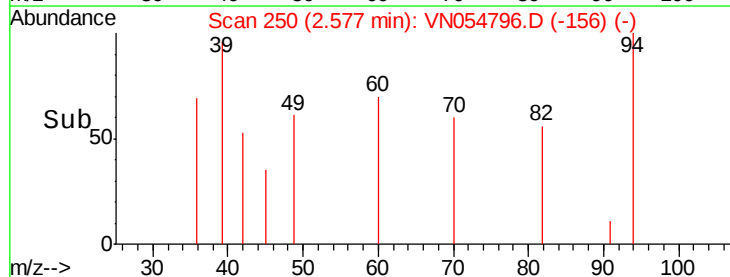
300

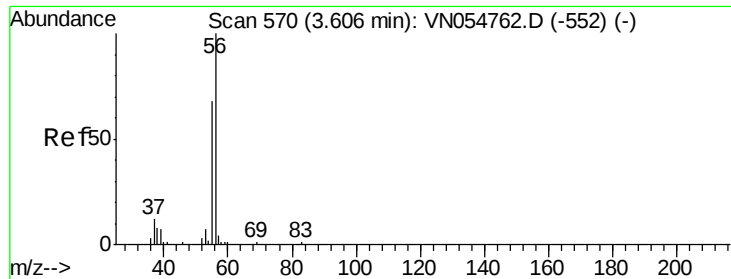
200

100

0

Time-->





#13

Acrolein

Concen: 0.973 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054796.D

Acq: 30 Mar 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

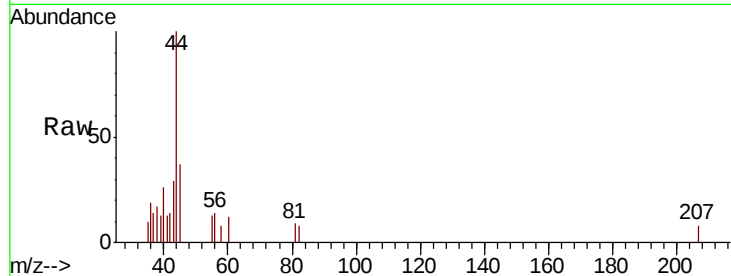
VN0330WBL01

Tot Ion: 56 Resp: 329

Ion Ratio Lower Upper

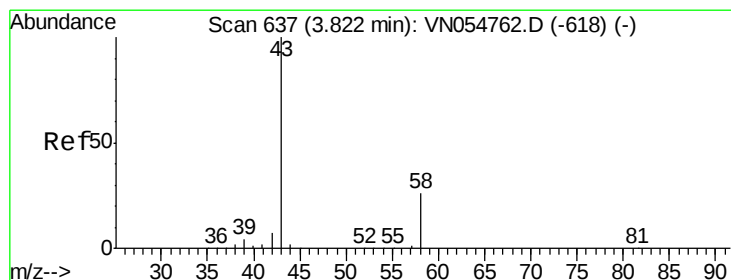
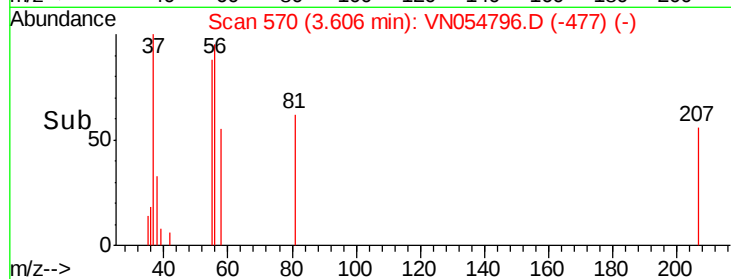
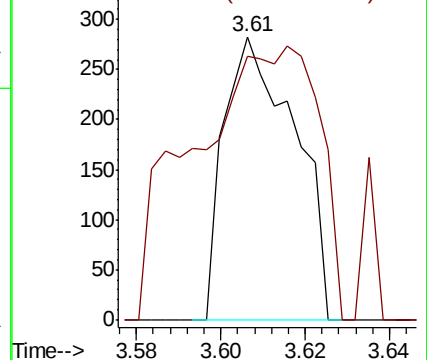
56 100

55 172.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.441 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN054796.D

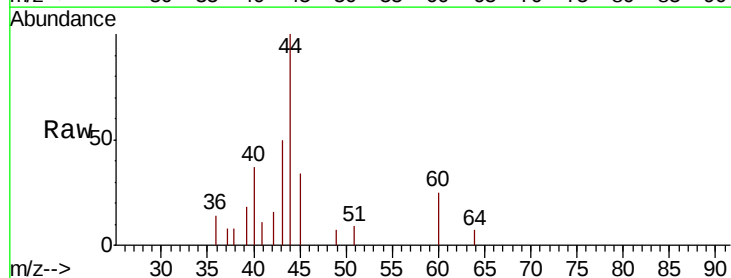
Acq: 30 Mar 2019 12:27

Tgt Ion: 43 Resp: 764

Ion Ratio Lower Upper

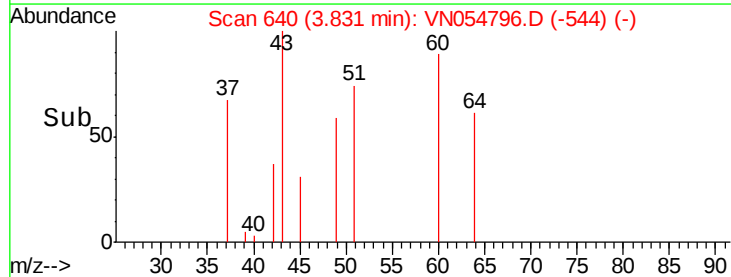
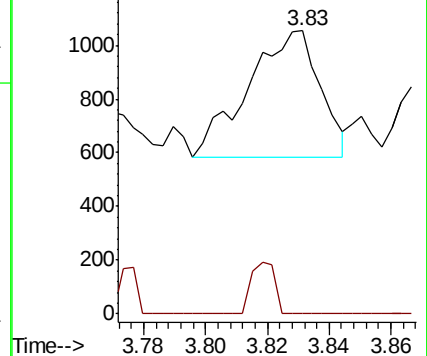
43 100

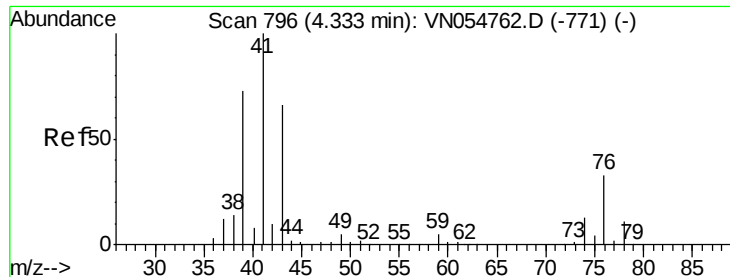
58 0.0 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

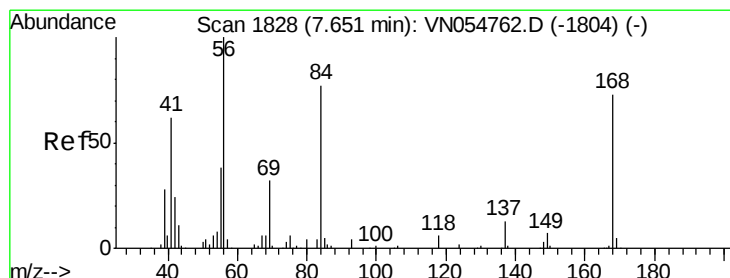
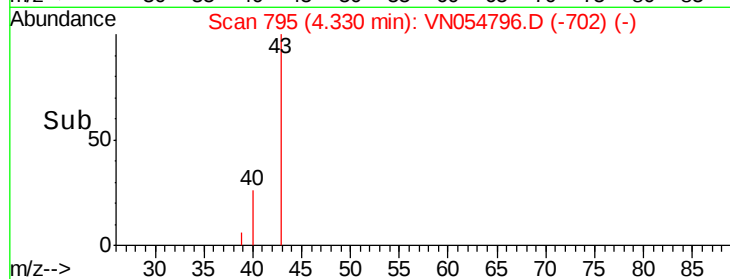
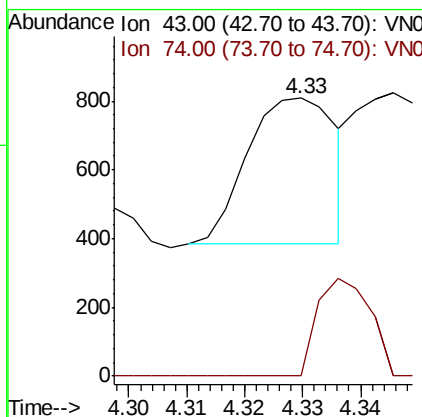
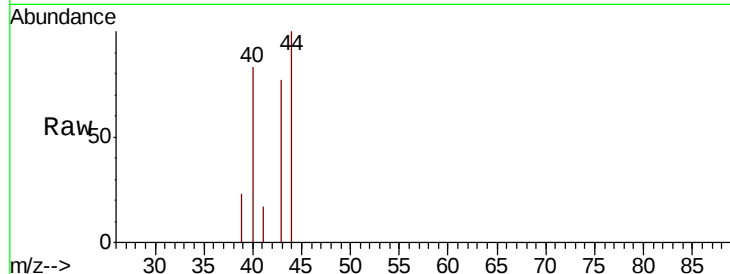




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

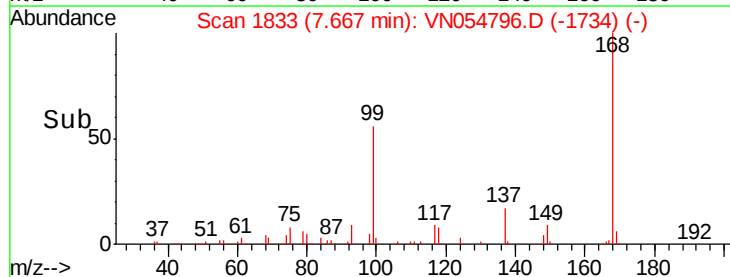
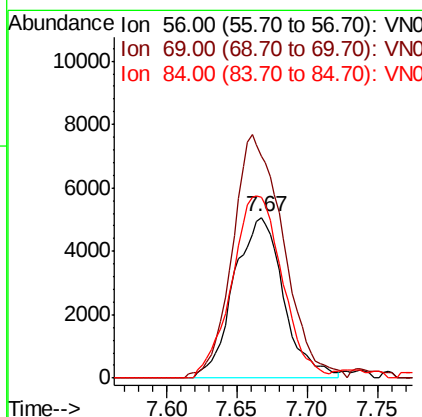
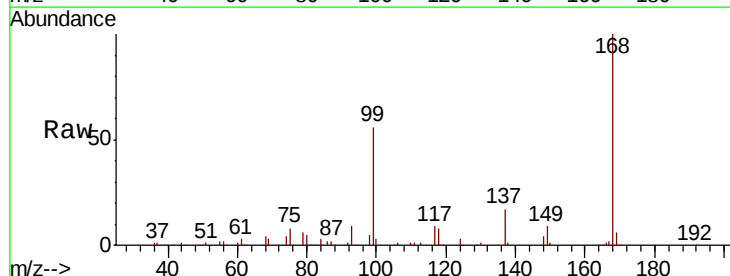
Instrument :
MSVOA_N
ClientSampleId :
VN0330WBL01

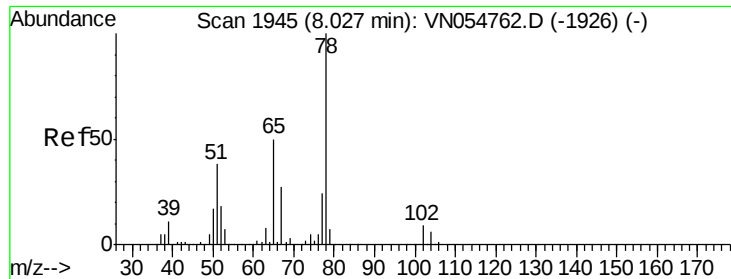
Tot Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
74 39.8 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1833
Delta R.T. 0.02 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

Tgt Ion: 56 Resp: 12478
Ion Ratio Lower Upper
56 100
69 135.4 27.8 41.6#
84 112.9 74.6 111.8#

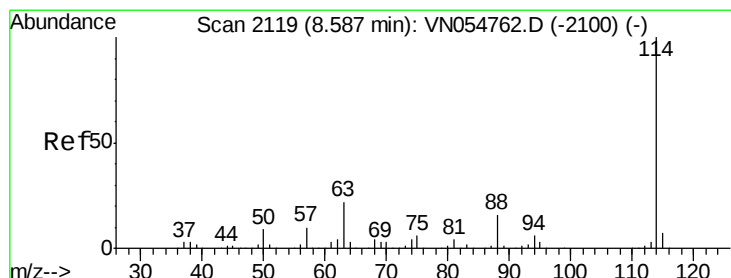
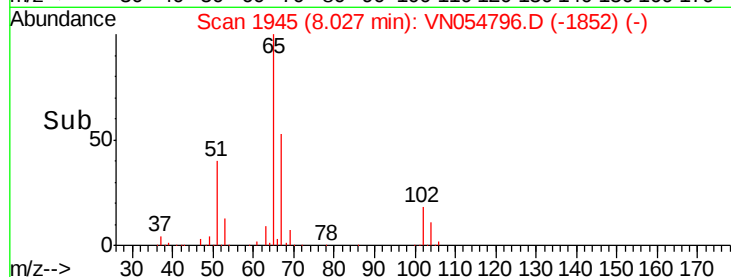
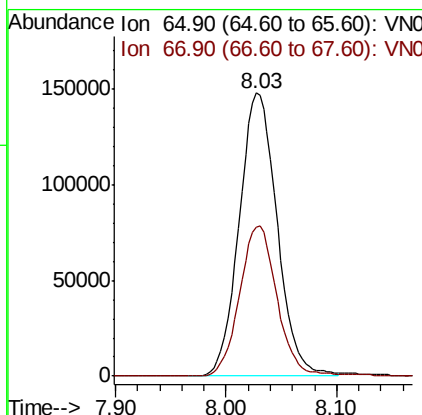
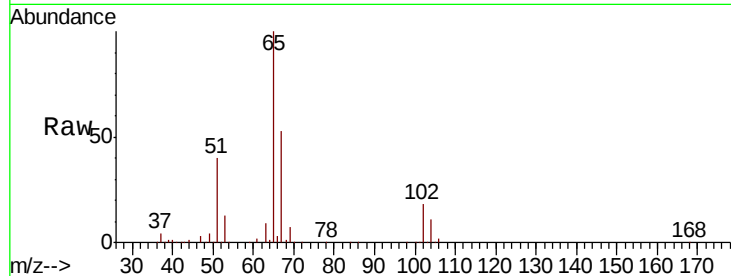




#33
 1,2-Dichloroethane-d4
 Concen: 48.586 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

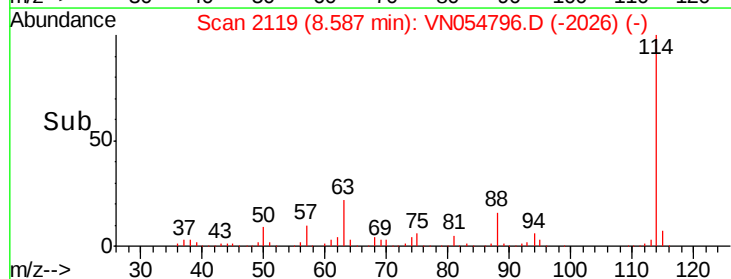
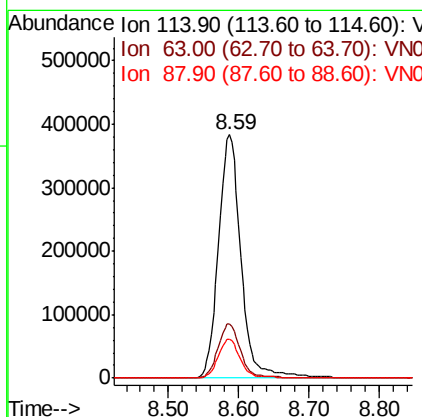
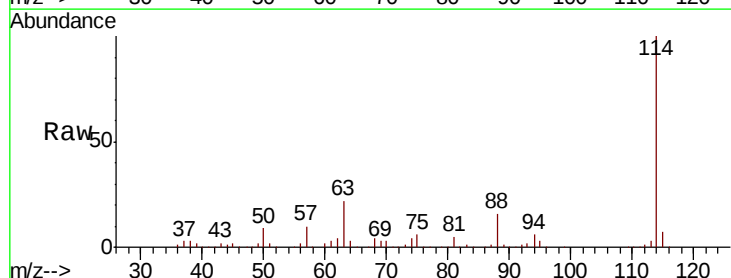
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

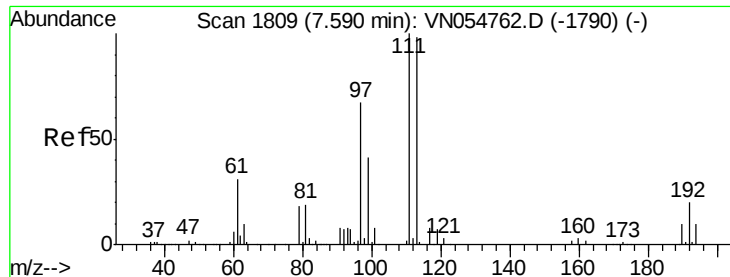
Tot Ion: 65 Resp: 352616
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Tgt Ion: 114 Resp: 856242
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 35.2
 88 16.2 0.0 30.2

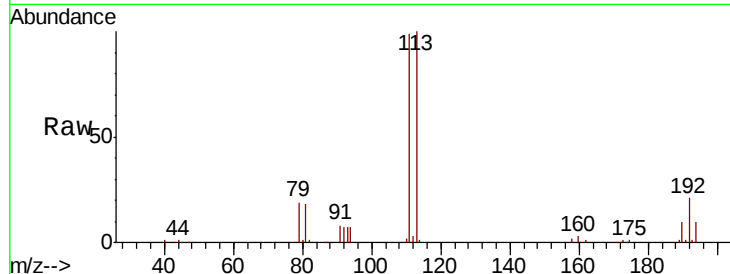




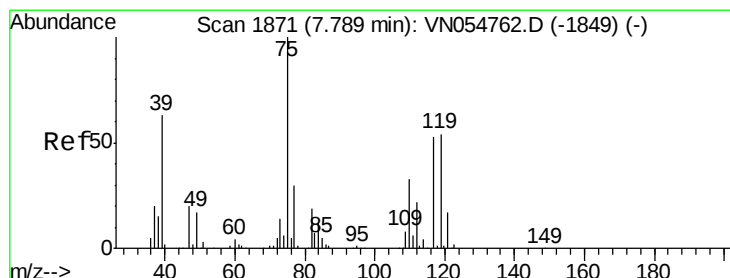
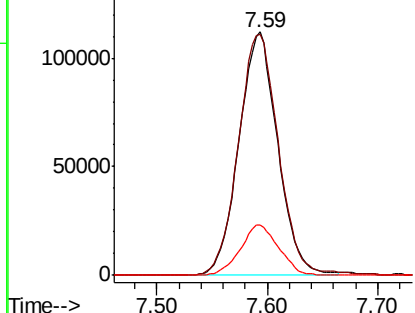
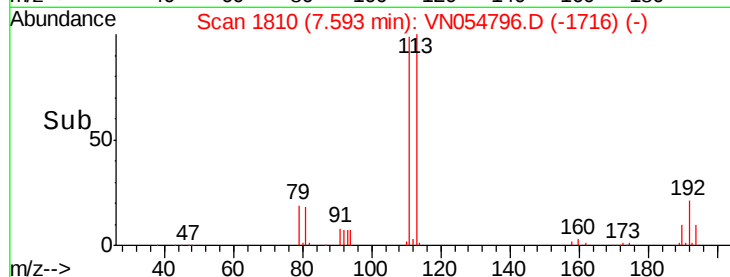
#35
 Dibromofluoromethane
 Concen: 47.759 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.2	123.4
192	20.6	19.2	28.8

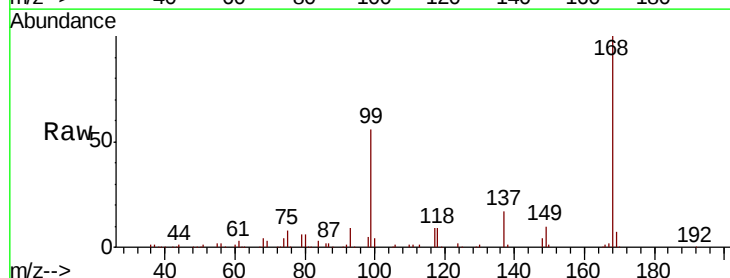


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

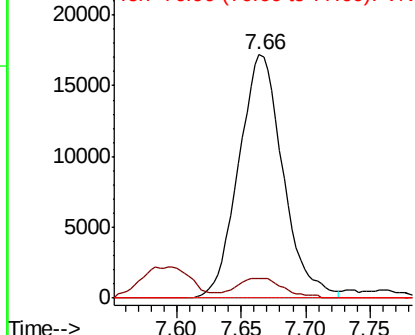
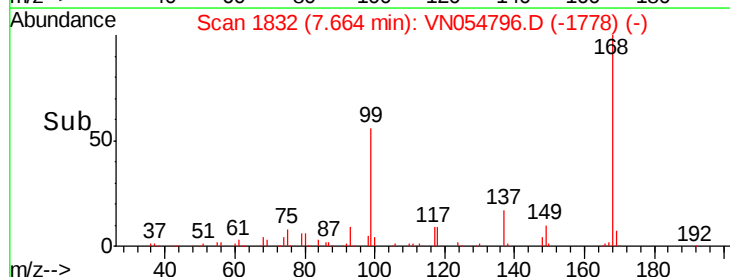


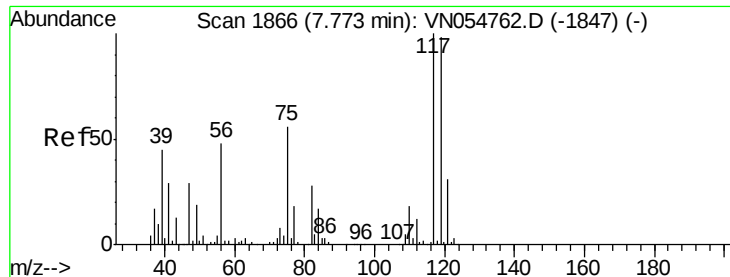
#36
 1,1-Dichloropropene
 Concen: 5.155 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	19.1	57.5#
77	0.0	25.0	37.4#



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: 6.643 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054796.D

Acq: 30 Mar 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0330WBL01

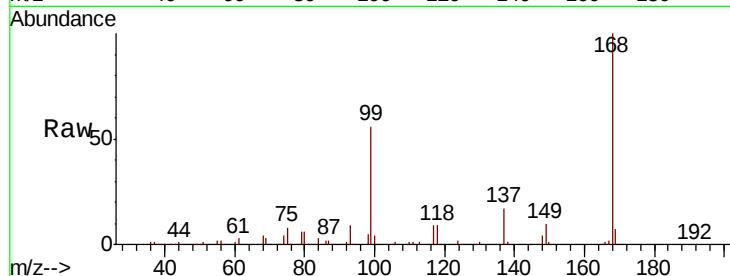
Tot Ion:117 Resp: 51479

Ion Ratio Lower Upper

117 100

119 5.0 76.3 114.5#

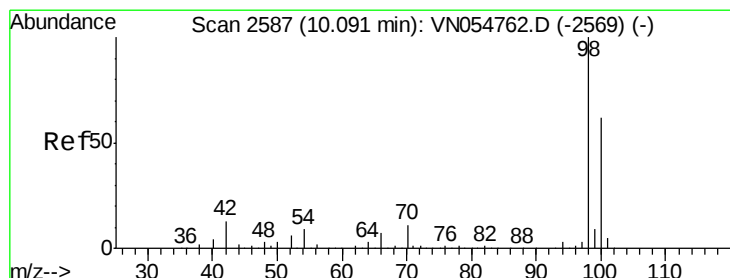
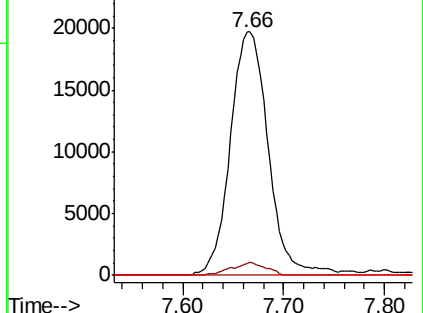
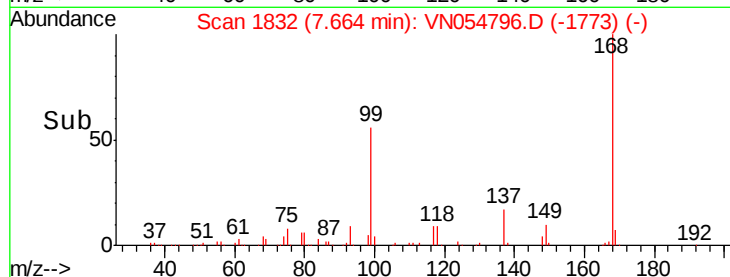
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 49.065 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054796.D

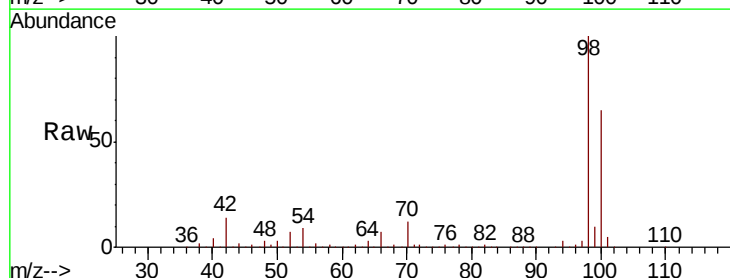
Acq: 30 Mar 2019 12:27

Tgt Ion: 98 Resp: 1041297

Ion Ratio Lower Upper

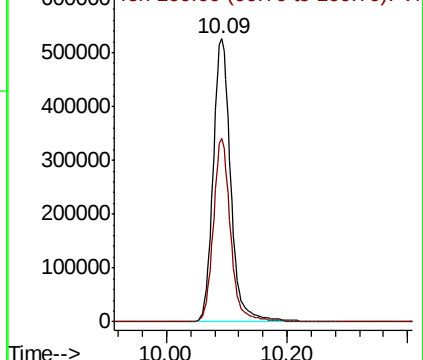
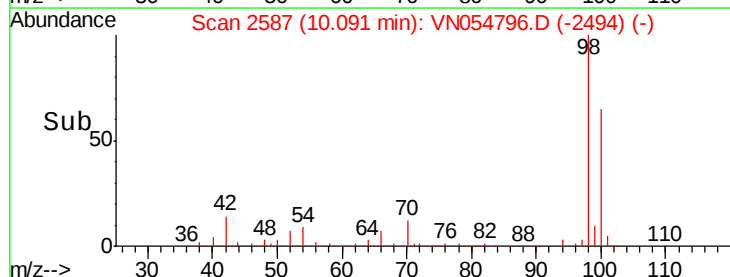
98 100

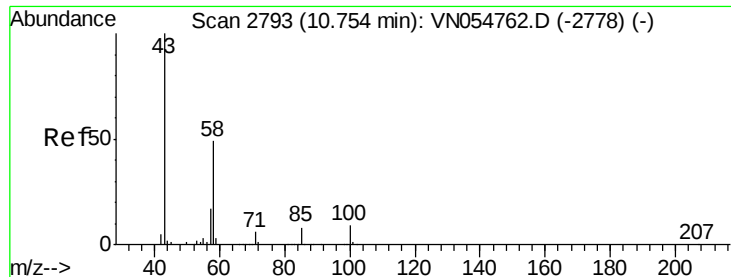
100 63.3 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

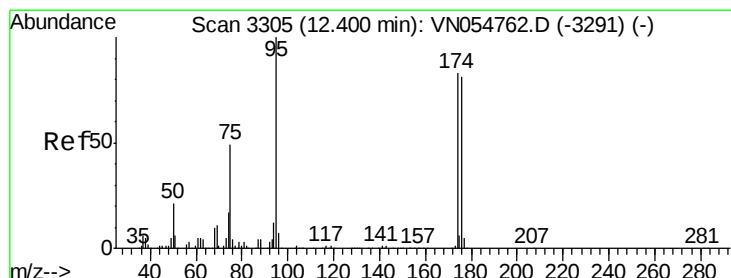
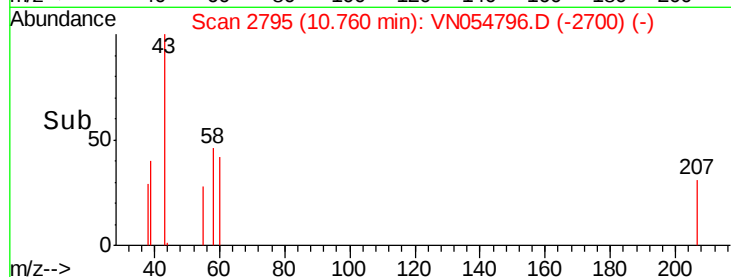
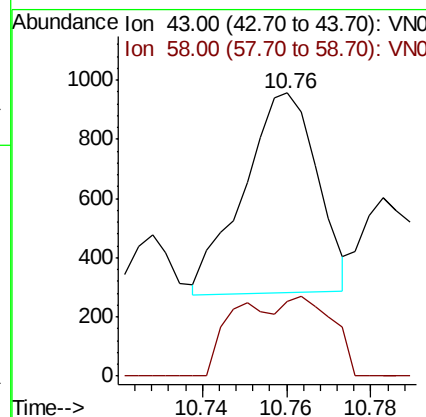
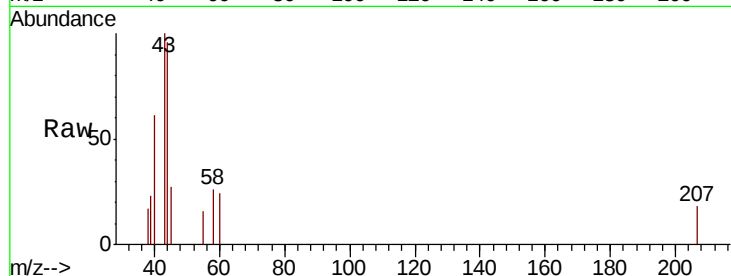




#59
2-Hexanone
Concen: 0.240 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

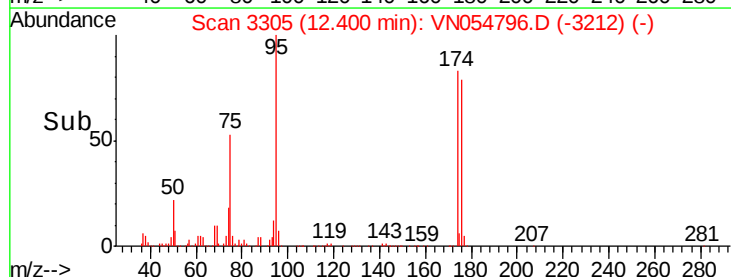
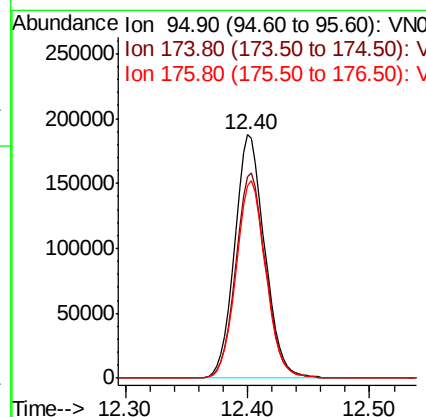
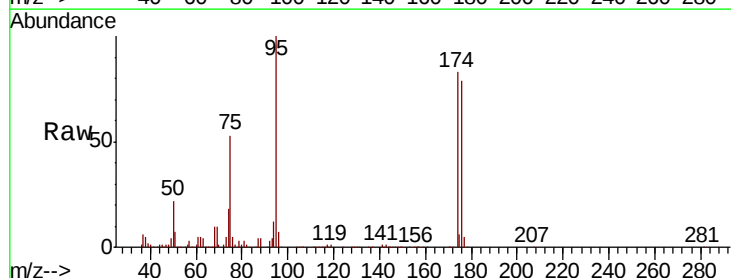
Instrument :
MSVOA_N
ClientSampled :
VN0330WBL01

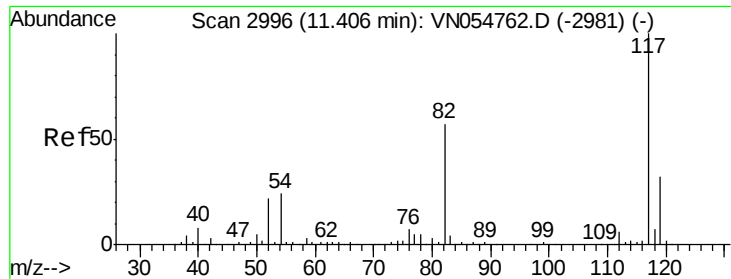
Tot Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 25.1 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 45.620 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

Tgt Ion: 95 Resp: 321997
Ion Ratio Lower Upper
95 100
174 83.9 0.0 191.0
176 80.2 0.0 187.4

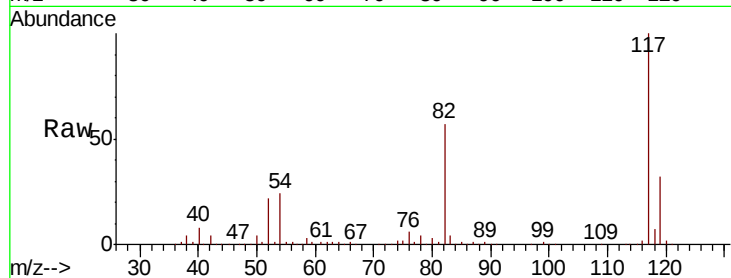




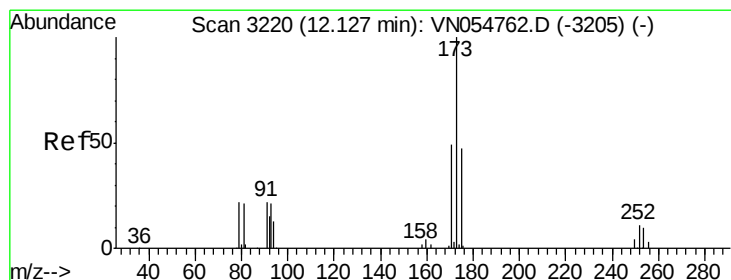
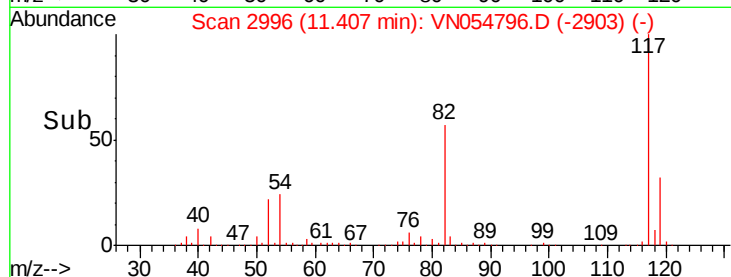
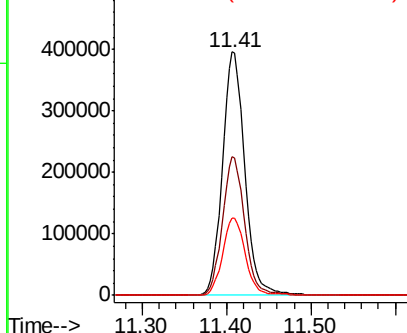
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

Instrument :
MSVOA_N
ClientSampled :
VN0330WBL01

Tot Ion:117 Resp: 729086
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 31.8 25.8 38.6

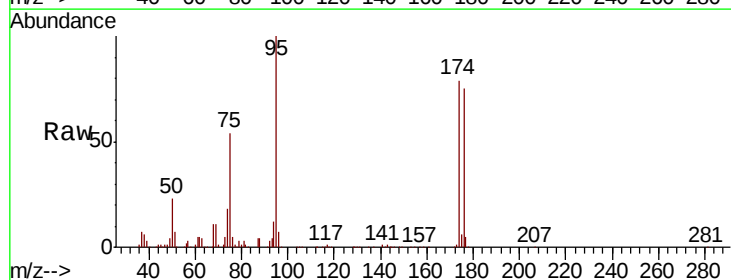


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

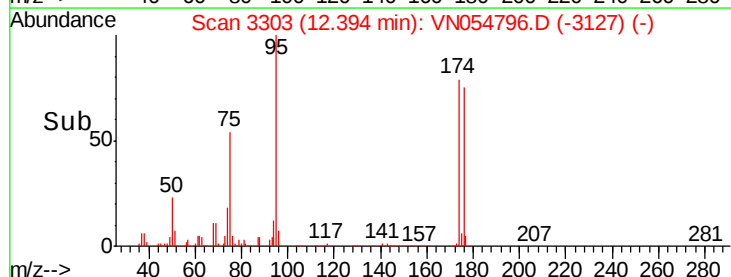
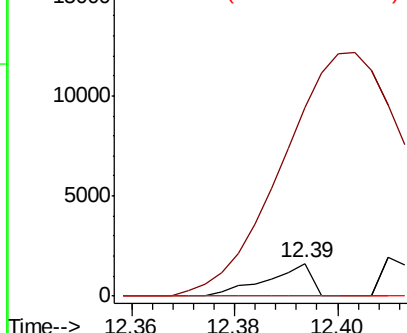


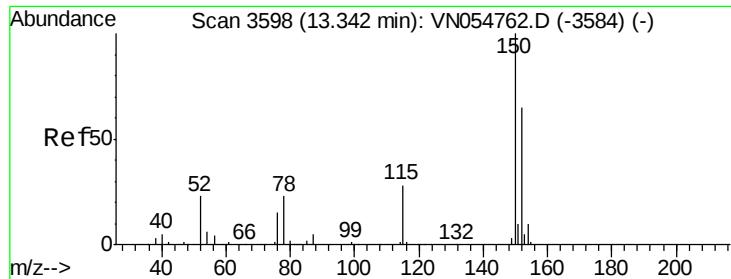
#71
Bromoform
Concen: 0.312 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN054796.D
Acq: 30 Mar 2019 12:27

Tgt Ion:173 Resp: 976
Ion Ratio Lower Upper
173 100
175 0.0 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: VN054796.D

Acq: 30 Mar 2019 12:27

Instrument :

MSVOA_N

ClientSampleId :

VN0330WBL01

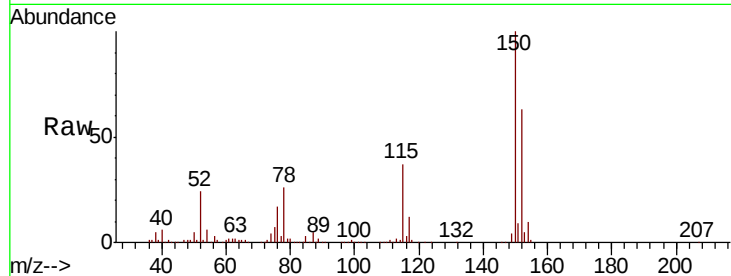
Tot Ion:152 Resp: 256736

Ion Ratio Lower Upper

152 100

115 59.2 27.2 81.6

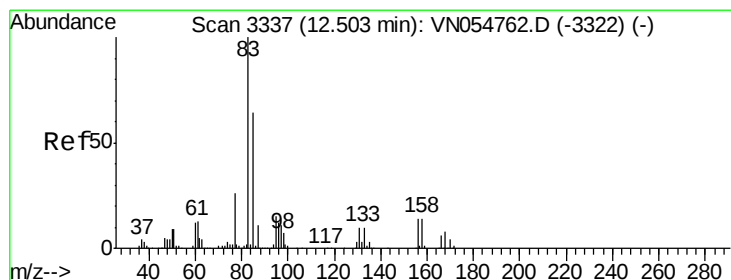
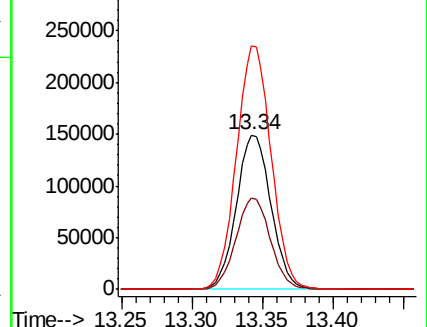
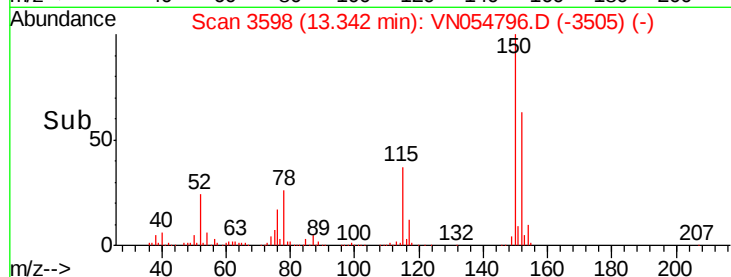
150 158.0 0.0 349.2



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: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN054796.D

Acq: 30 Mar 2019 12:27

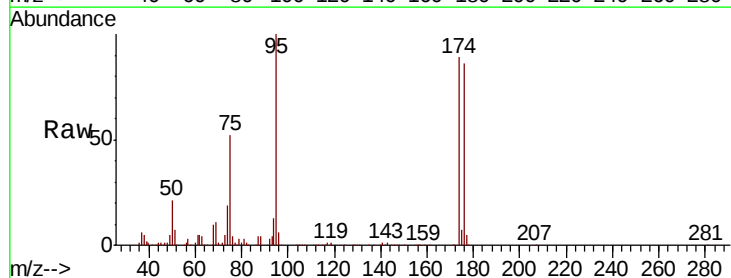
Tgt Ion: 83 Resp: 401

Ion Ratio Lower Upper

83 100

131 76.3 5.8 17.4#

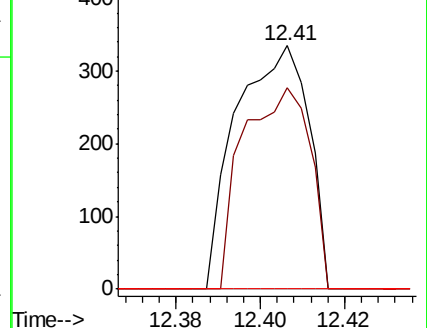
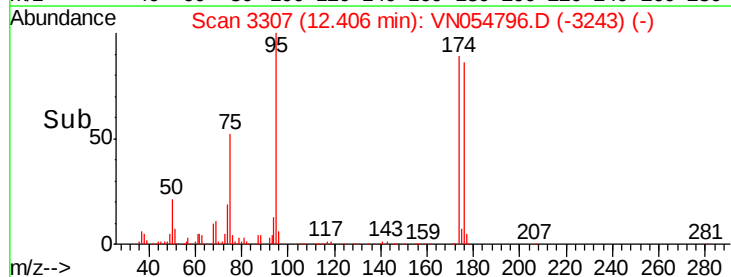
85 0.0 32.2 96.6#

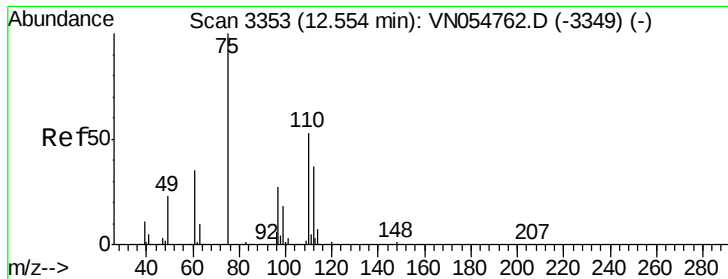


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

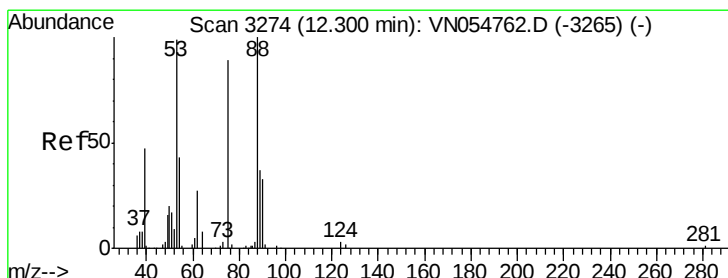
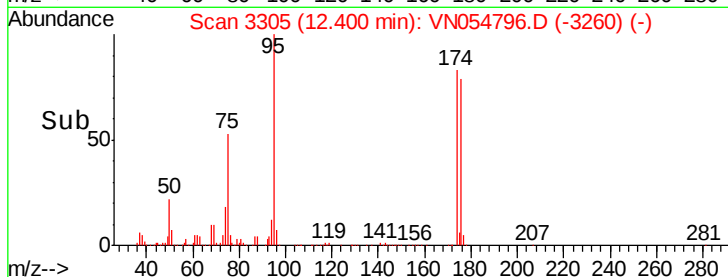
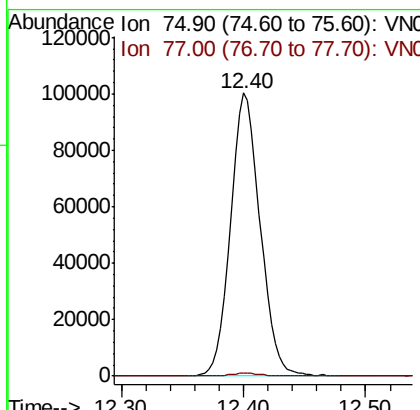
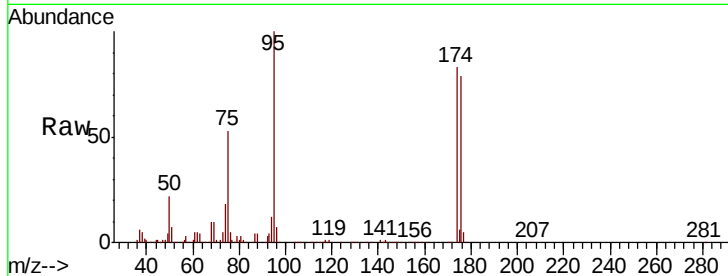




#76
 1,2,3-Trichloropropane
 Concen: 37.961 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

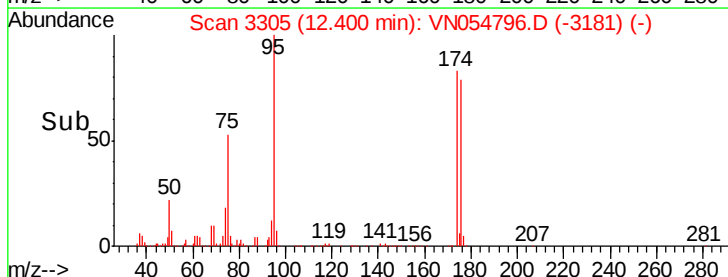
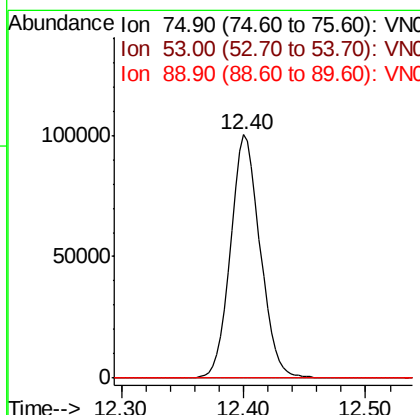
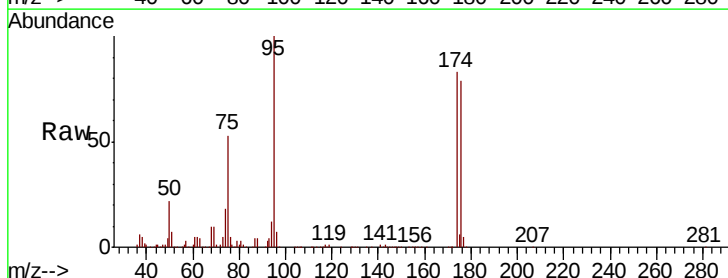
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

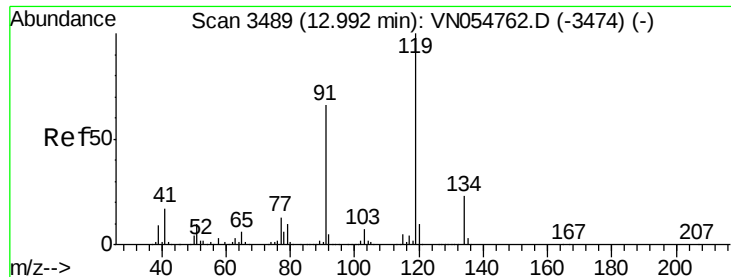
Tot Ion: 75 Resp: 169309
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.658 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Tgt Ion: 75 Resp: 169309
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.2 114.2#
 89 0.0 39.2 58.8#

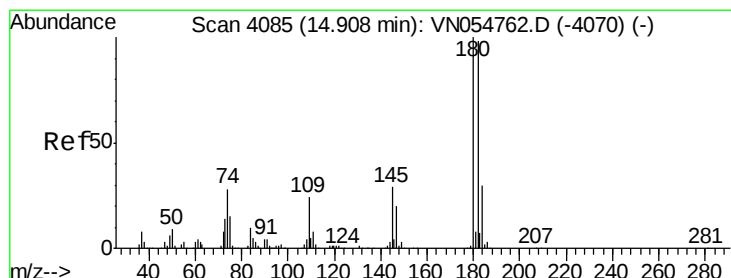
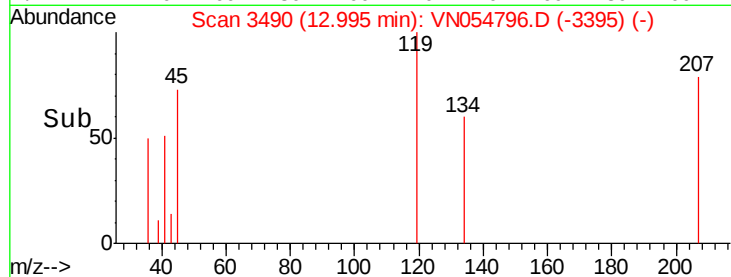
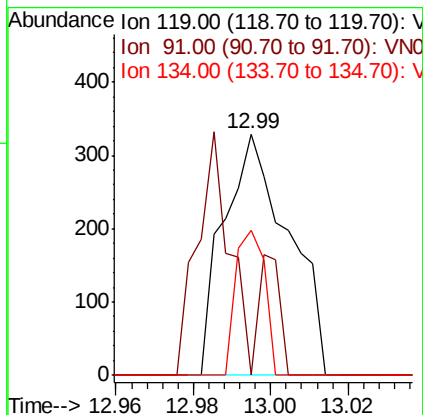
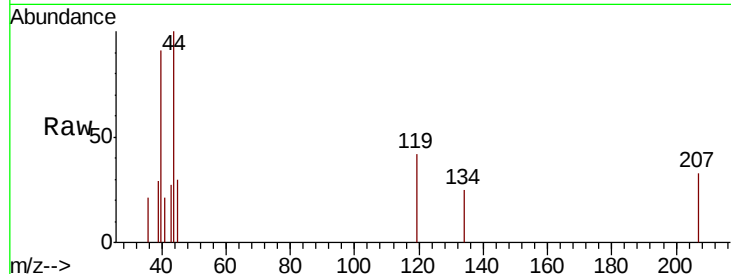




#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

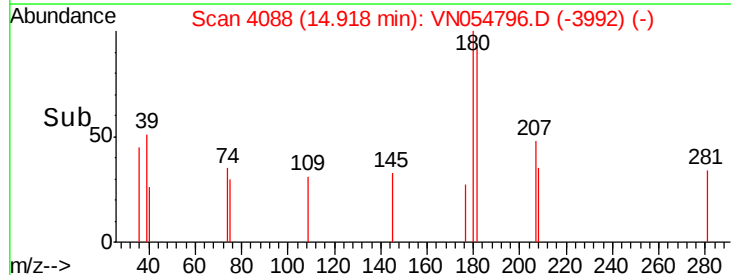
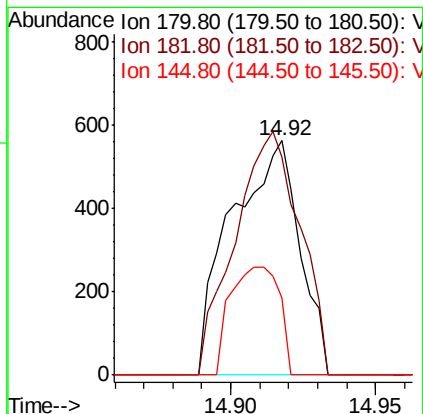
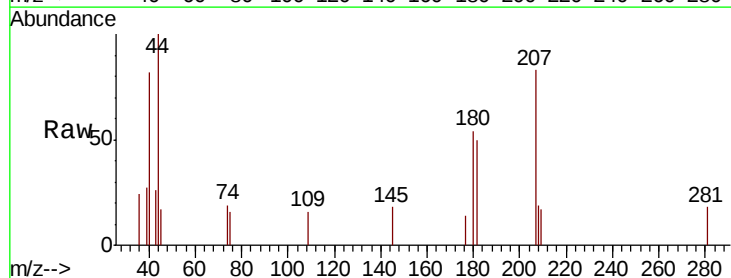
Instrument :
 MSVOA_N
 ClientSampled :
 VN0330WBL01

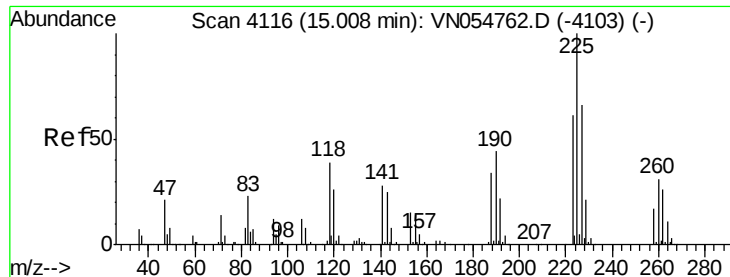
Tot Ion:119 Resp: 384
 Ion Ratio Lower Upper
 119 100
 91 16.1 30.9 92.8#
 134 26.6 13.2 39.6



#93
 1,2,4-Trichlorobenzene
 Concen: 0.223 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Tgt Ion:180 Resp: 922
 Ion Ratio Lower Upper
 180 100
 182 99.2 48.0 144.2
 145 32.9 14.2 42.8





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN054796.D

Acq: 30 Mar 2019 12:27

Instrument :

MSVOA_N

ClientSampled :

VN0330WBL01

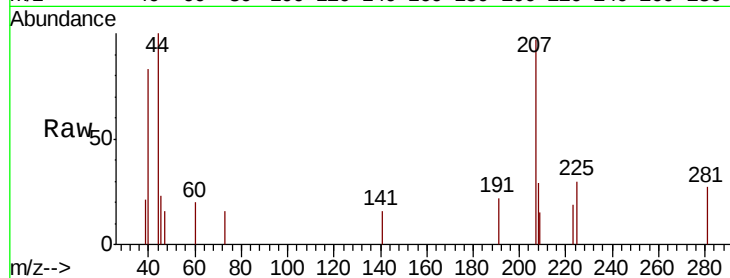
Tot Ion:225 Resp: 224

Ion Ratio Lower Upper

225 100

223 30.4 31.1 93.5#

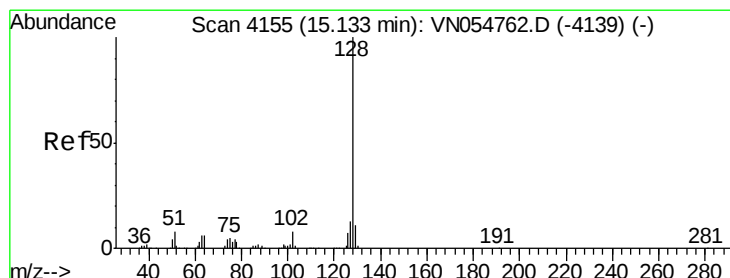
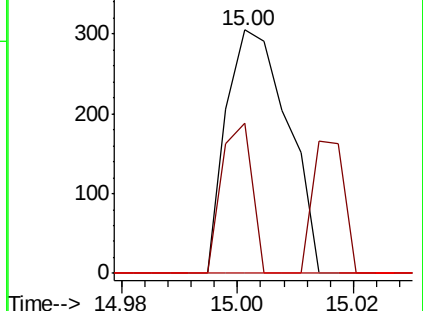
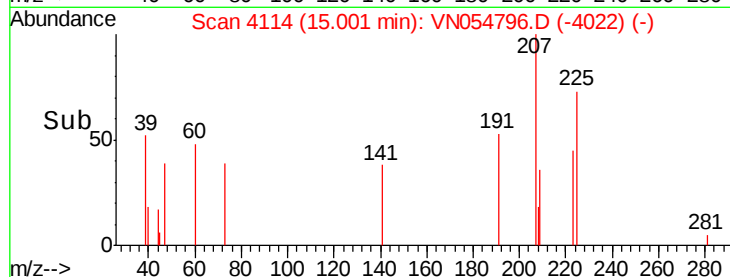
227 0.0 31.9 95.9#



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



#95

Naphthalene

Concen: 0.337 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054796.D

Acq: 30 Mar 2019 12:27

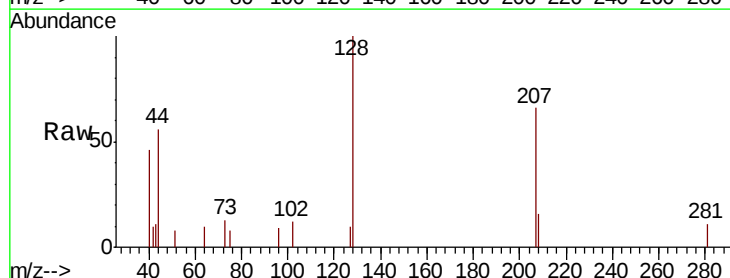
Tgt Ion:128 Resp: 3115

Ion Ratio Lower Upper

128 100

127 7.9 10.1 15.1#

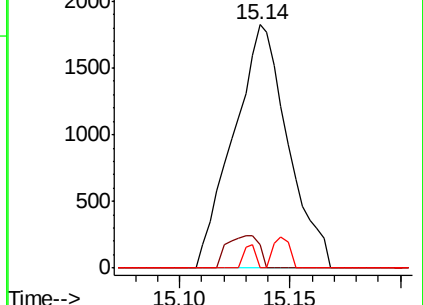
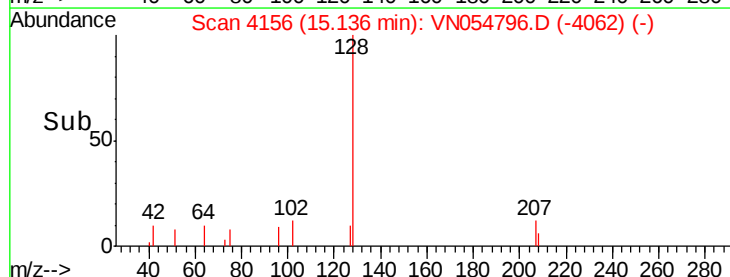
129 2.1 8.7 13.1#

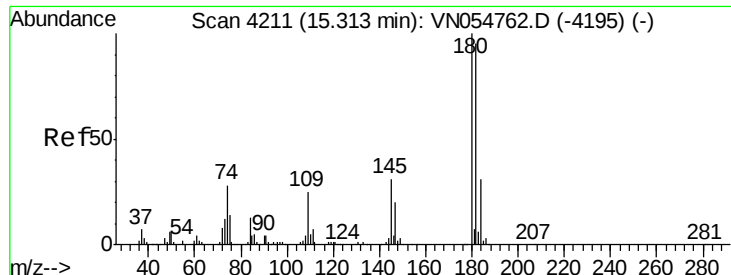


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.274 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054796.D
 Acq: 30 Mar 2019 12:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0330WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.6
145	28.1	14.8	44.3

