

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042719\
 Data File : VN055266.D
 Acq On : 26 Apr 2019 11:02
 Operator : JC/SP
 Sample : VN0427MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0427MBL01

Quant Time: Apr 27 01:57:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

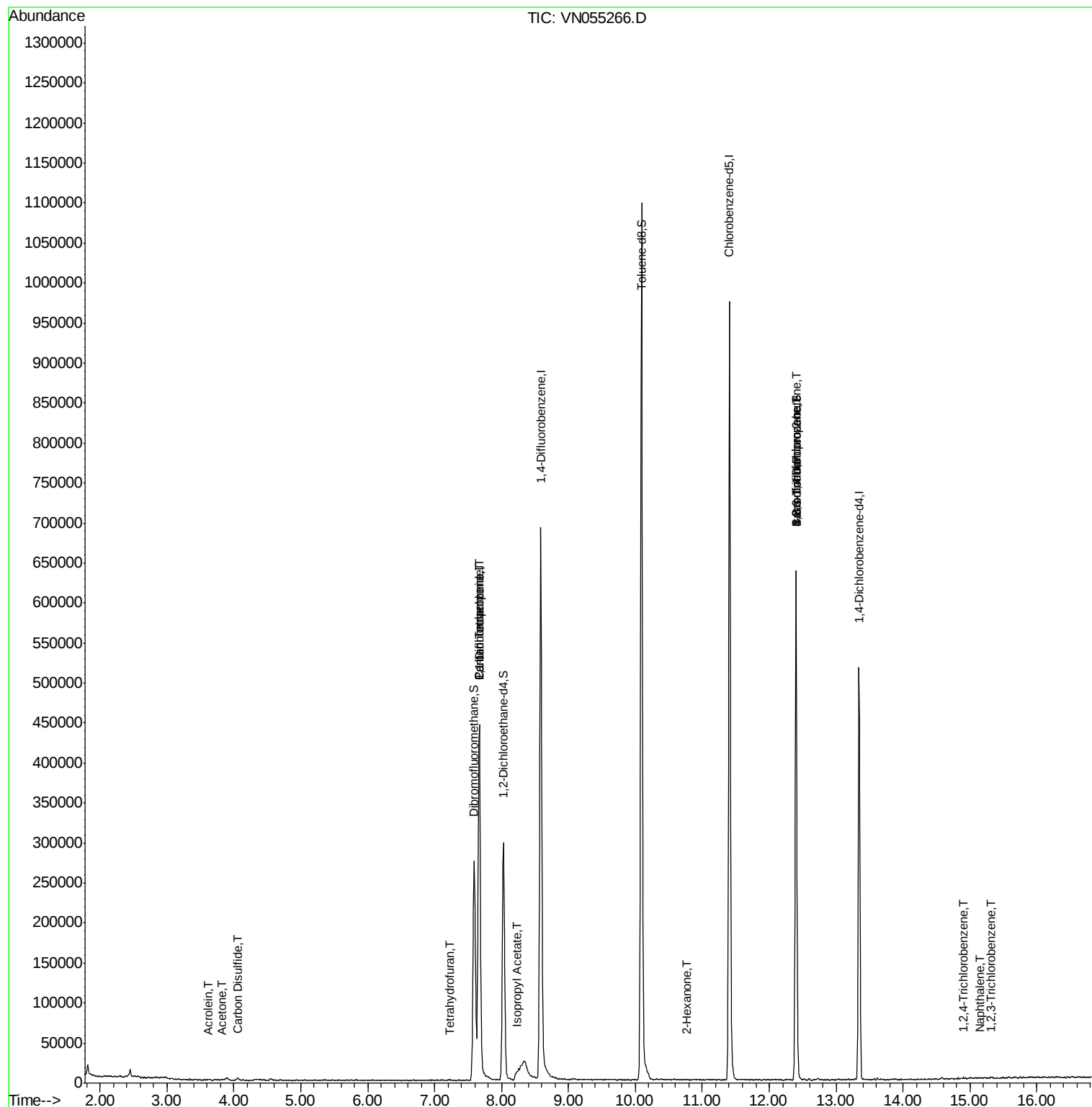
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	373086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	639528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	561654	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140415	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	258328	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
35) Dibromofluoromethane	7.59	113	207648	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
50) Toluene-d8	10.09	98	774642	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.40	95	223908	43.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.84%	
Target Compounds						
					Qvalue	
13) Acrolein	3.62	56	74	9.670	ug/l #	1
16) Acetone	3.82	43	375	0.225	ug/l #	50
17) Carbon Disulfide	4.05	76	4311	0.402	ug/l #	91
18) Methyl Acetate	4.34	43	2981	Below Cal	#	65
29) Tetrahydrofuran	7.22	42	349	0.263	ug/l #	39
31) Cyclohexane	7.66	56	7993	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	29060	4.896	ug/l #	49
38) Carbon Tetrachloride	7.66	117	34804	6.261	ug/l #	17
43) Isopropyl Acetate	8.22	43	6557	0.845	ug/l #	56
59) 2-Hexanone	10.76	43	1136	0.403	ug/l #	40
71) Bromoform	12.40	173	2324	0.917	ug/l #	1
73) Isopropylbenzene	12.25	105	397	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.42	83	30	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	114769	40.289	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	114769	152.729	ug/l #	5
83) tert-Butylbenzene	12.99	119	282	Below Cal	#	35
93) 1,2,4-Trichlorobenzene	14.91	180	68	2.769	ug/l #	1
94) Hexachlorobutadiene	15.00	225	422	Below Cal		76
95) Naphthalene	15.14	128	1240	3.647	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	339	2.282	ug/l #	59

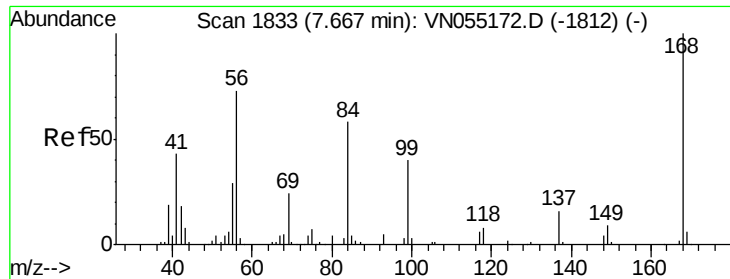
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 26 Apr 2019 11:02
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ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Tue Apr 23 05:52:53 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: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

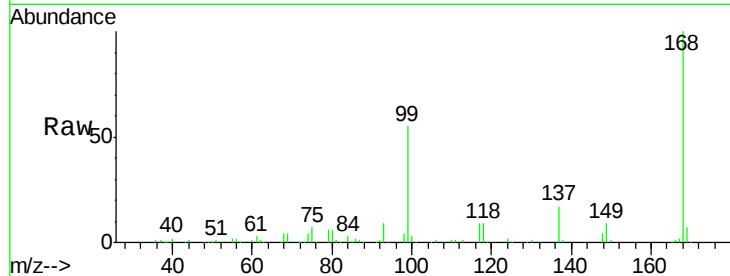
VN0427MBL01

Tot Ion:168 Resp: 373086

Ion Ratio Lower Upper

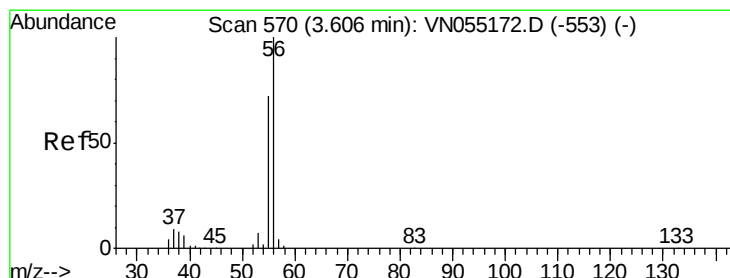
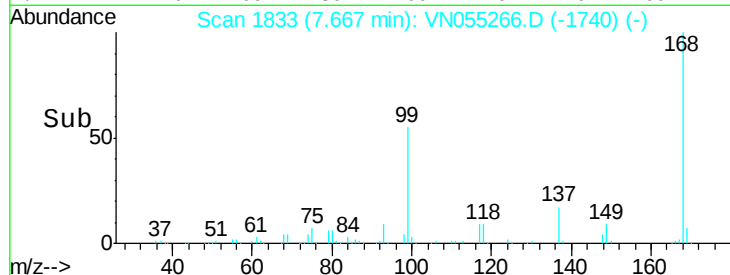
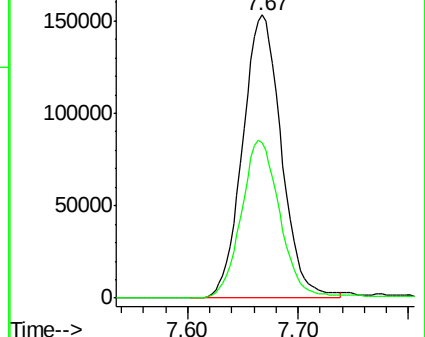
168 100

99 54.9 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 9.670 ug/l

RT: 3.62 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN055266.D

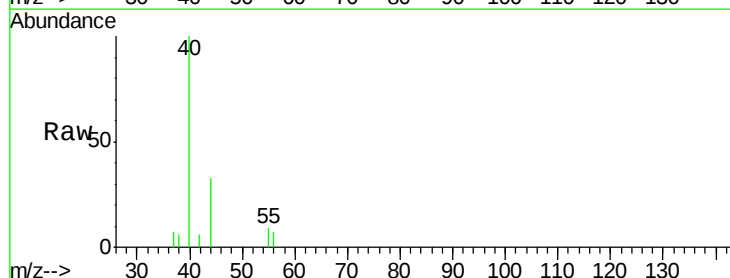
Acq: 26 Apr 2019 11:02

Tgt Ion: 56 Resp: 74

Ion Ratio Lower Upper

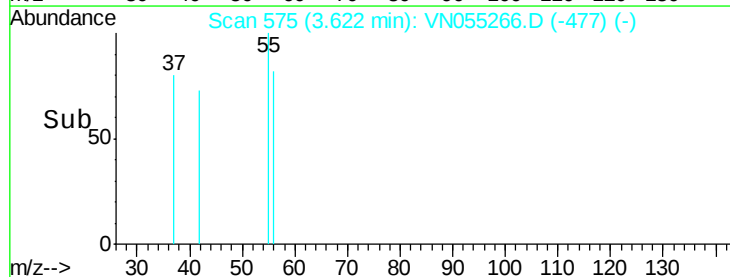
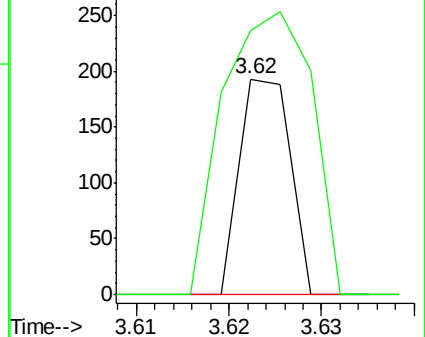
56 100

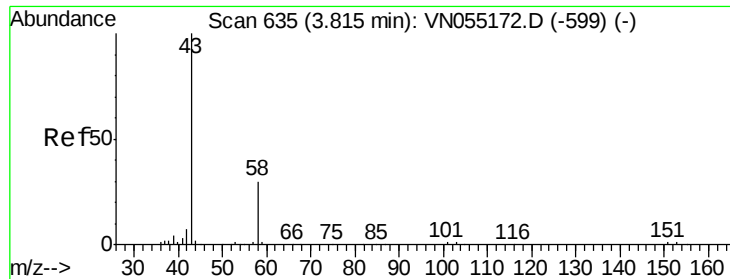
55 227.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 0.225 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

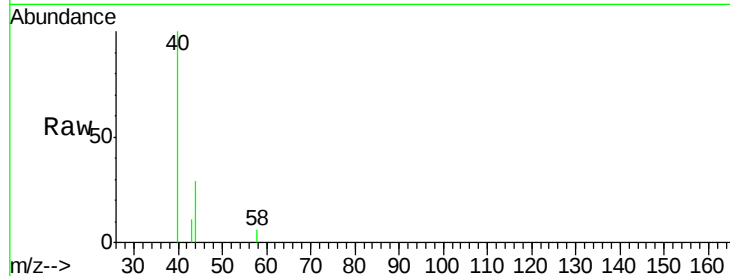
VN0427MBL01

Tot Ion: 43 Resp: 375

Ion Ratio Lower Upper

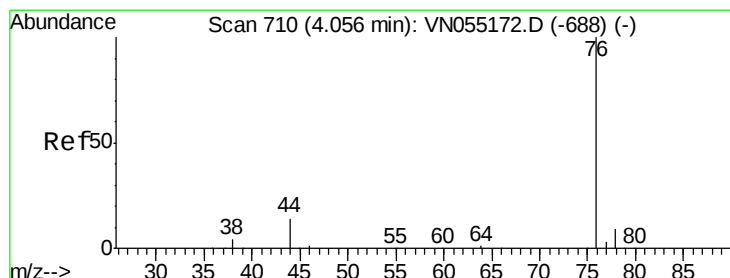
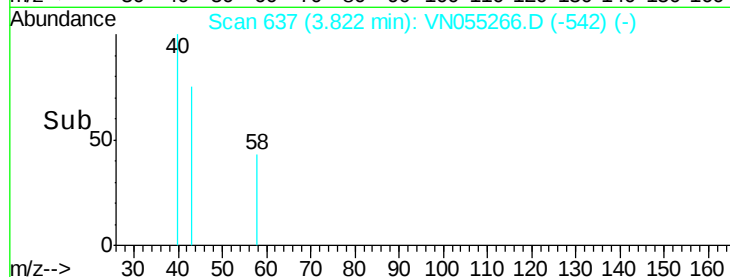
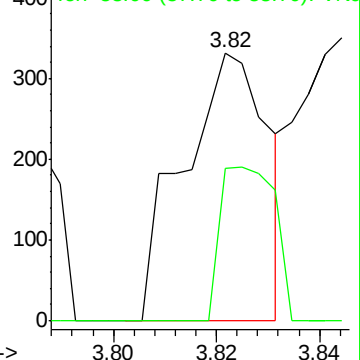
43 100

58 56.9 23.8 35.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.402 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.01 min

Lab File: VN055266.D

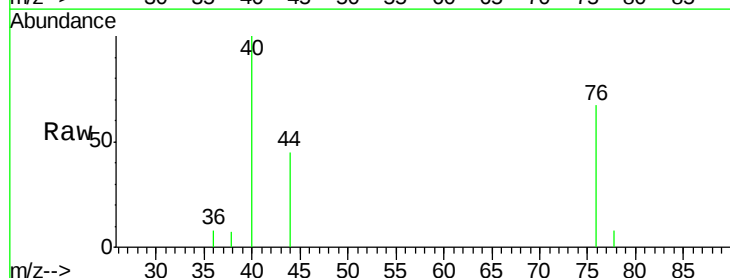
Acq: 26 Apr 2019 11:02

Tgt Ion: 76 Resp: 4311

Ion Ratio Lower Upper

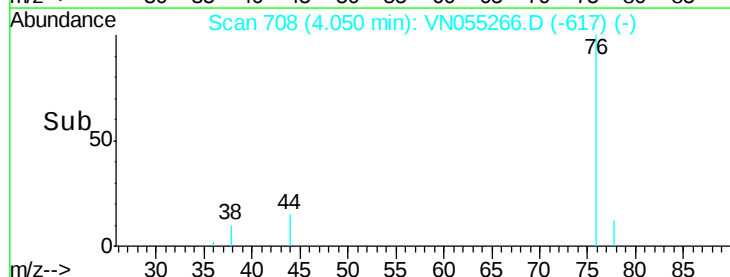
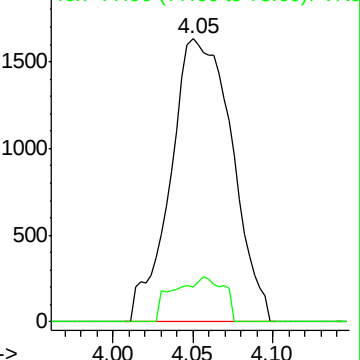
76 100

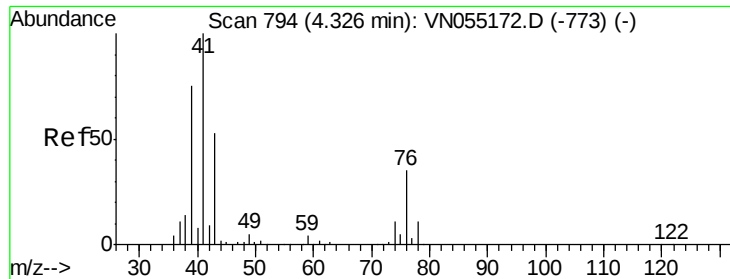
78 12.4 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

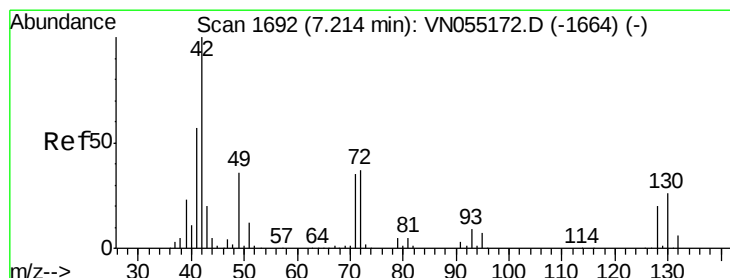
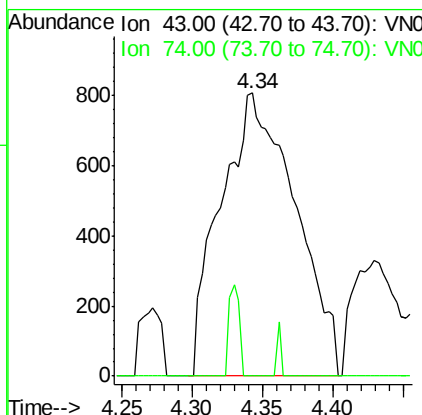
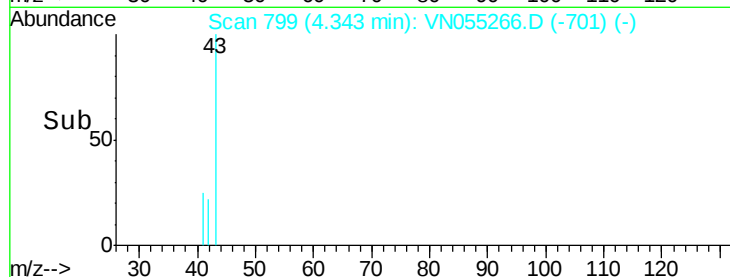
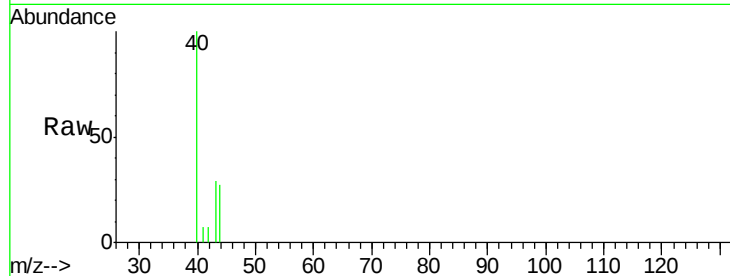




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 799
Delta R.T. 0.02 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

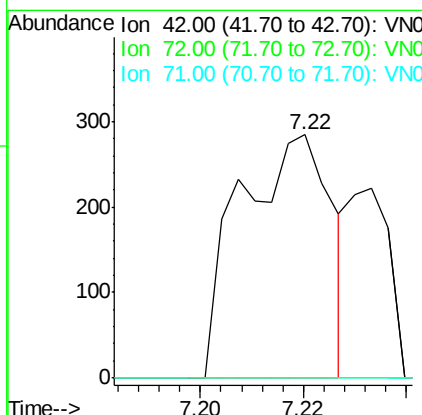
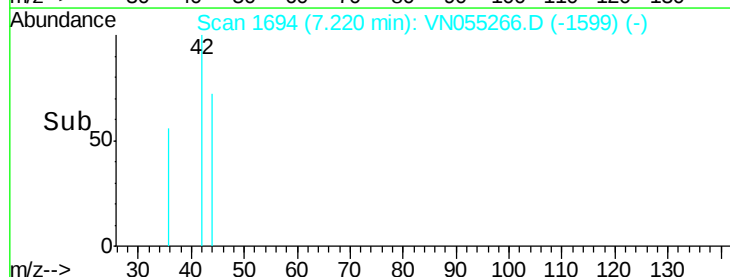
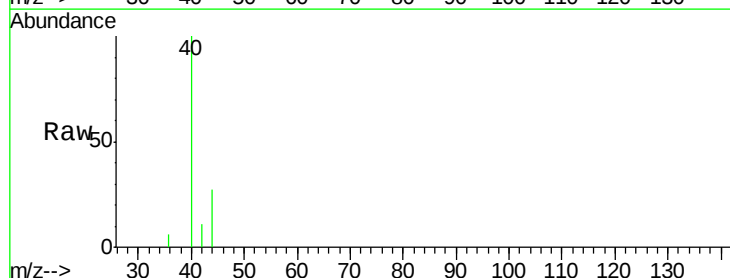
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBL01

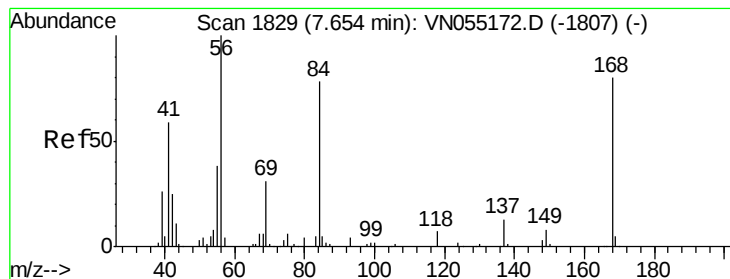
Tot Ion: 43 Resp: 2981
Ion Ratio Lower Upper
43 100
74 4.5 16.7 25.1#



#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

Tgt Ion: 42 Resp: 349
Ion Ratio Lower Upper
42 100
72 0.0 29.4 44.2#
71 0.0 27.8 41.8#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBL01

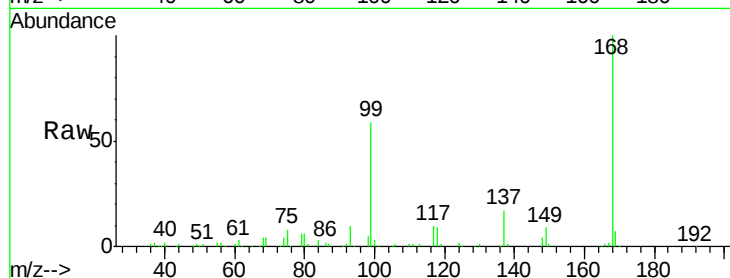
Tot Ion: 56 Resp: 7993

Ion Ratio Lower Upper

56 100

69 173.2 24.6 37.0#

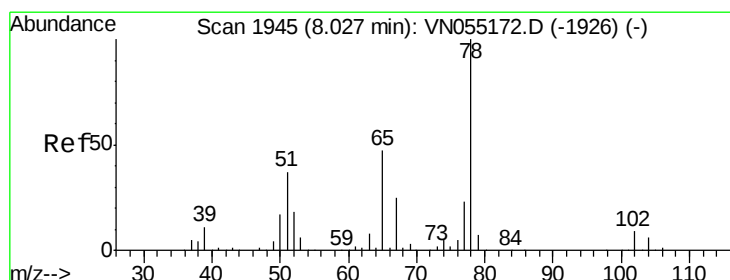
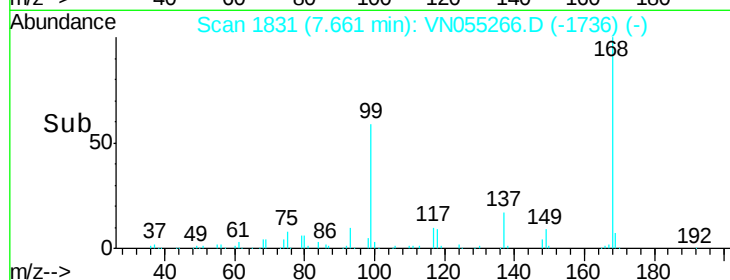
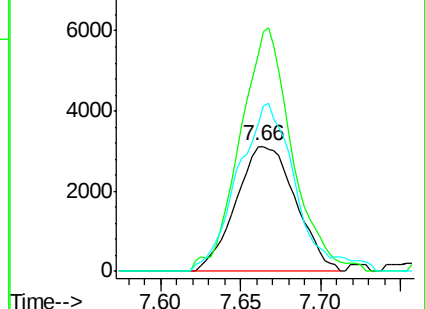
84 118.2 61.4 92.2#



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: 51.156 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055266.D

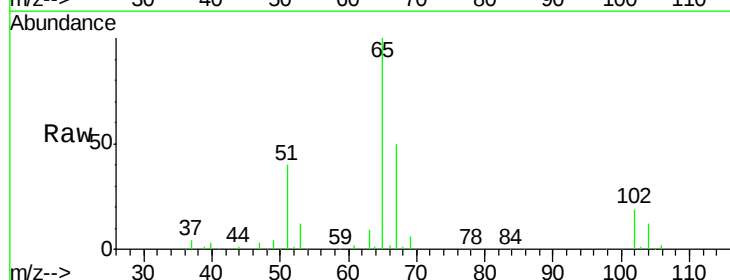
Acq: 26 Apr 2019 11:02

Tgt Ion: 65 Resp: 258328

Ion Ratio Lower Upper

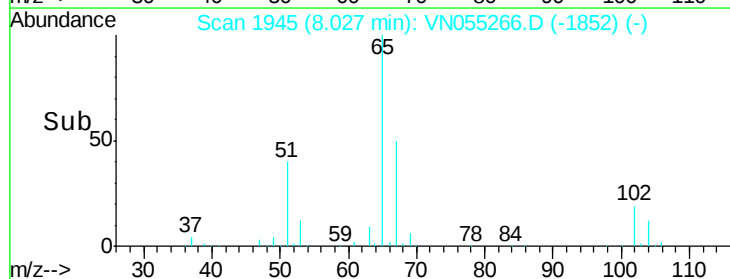
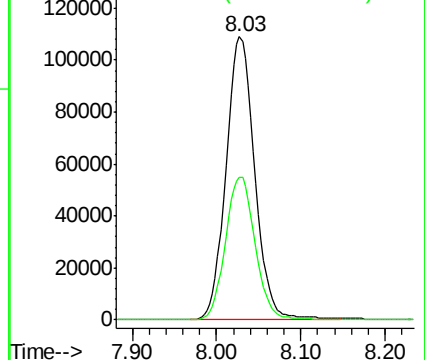
65 100

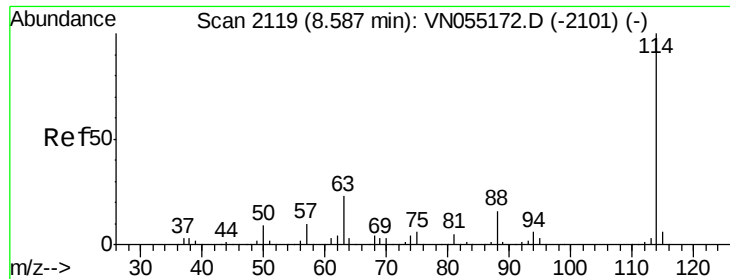
67 51.8 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

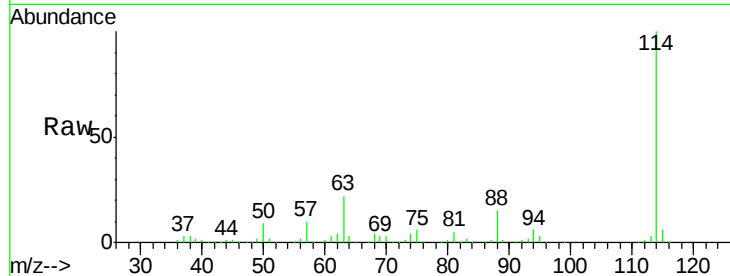




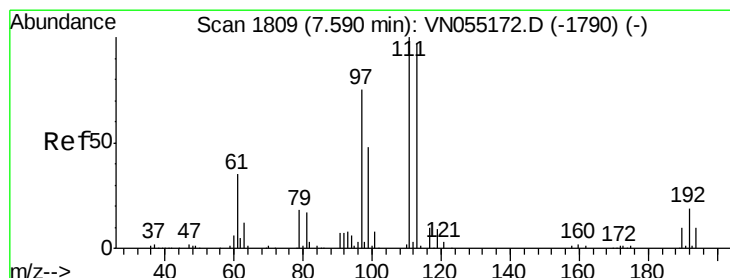
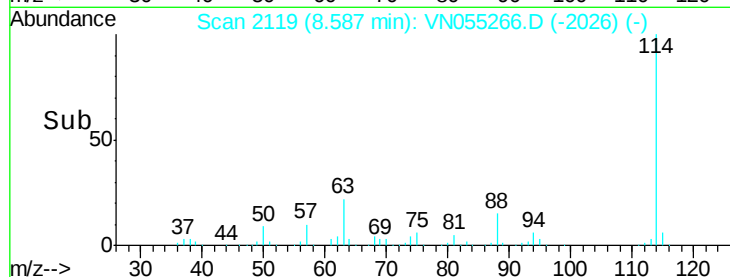
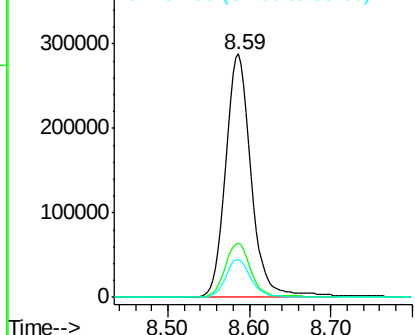
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

Instrument :
MSVOA_N
ClientSampleId :
VN0427MBL01

Tot Ion:114 Resp: 639528
Ion Ratio Lower Upper
114 100
63 22.1 0.0 45.2
88 15.4 0.0 32.8

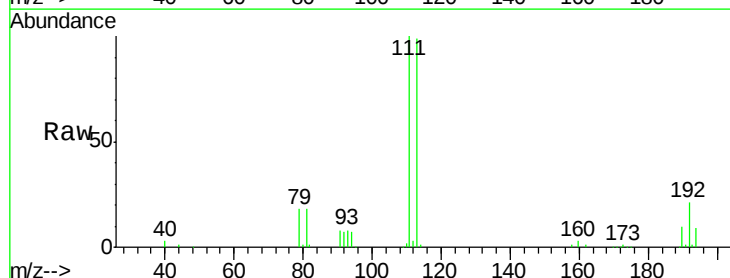


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

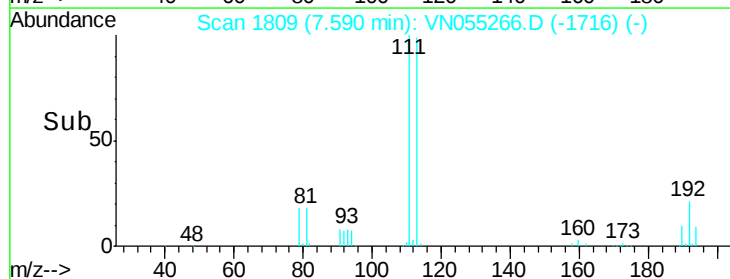
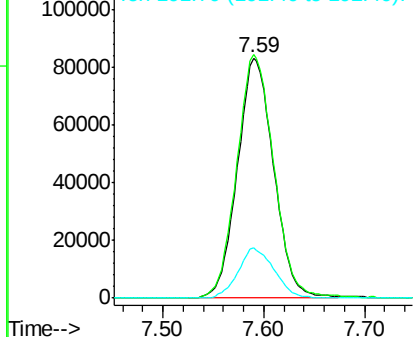


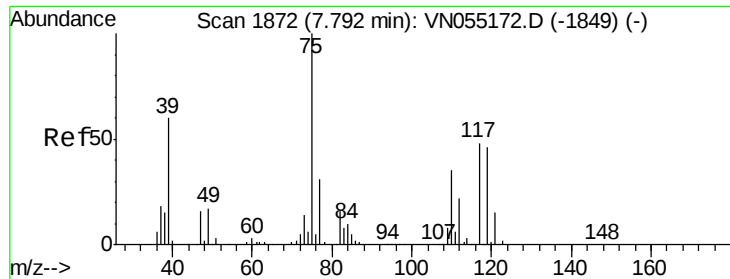
#35
Dibromofluoromethane
Concen: 47.794 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

Tgt Ion:113 Resp: 207648
Ion Ratio Lower Upper
113 100
111 103.7 81.0 121.4
192 20.8 16.2 24.4



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: 4.896 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0427MBL01

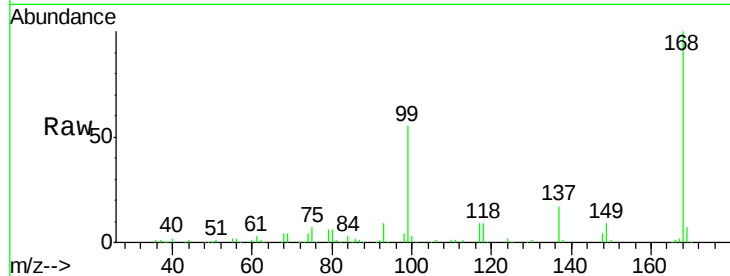
Tot Ion: 75 Resp: 29060

Ion Ratio Lower Upper

75 100

110 7.1 17.1 51.2#

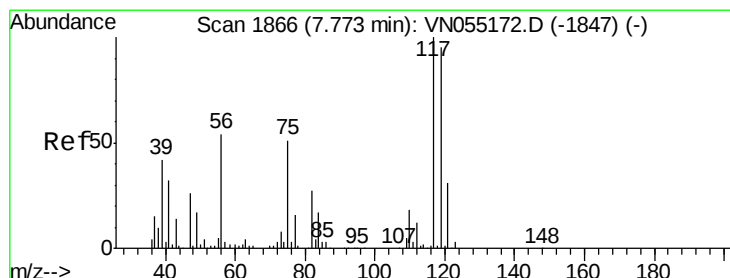
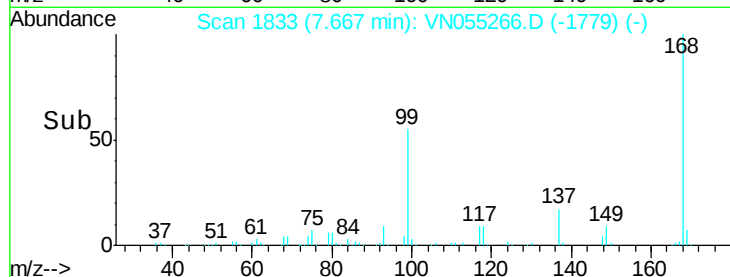
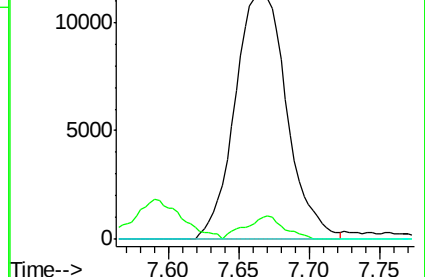
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-1849) (-)

Ion 109.90 (109.60 to 110.60): VN055172.D (-1849) (-)

Ion 76.90 (76.60 to 77.60): VN055172.D (-1849) (-)



#38

Carbon Tetrachloride

Concen: 6.261 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

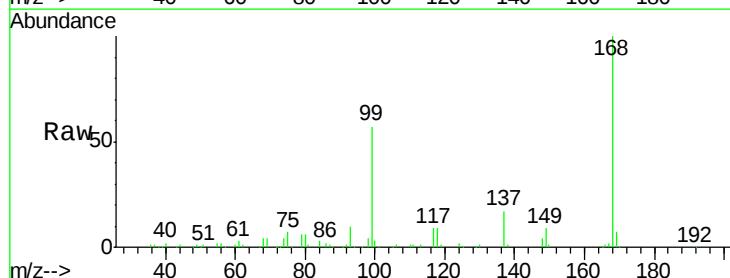
Tgt Ion: 117 Resp: 34804

Ion Ratio Lower Upper

117 100

119 5.9 76.0 114.0#

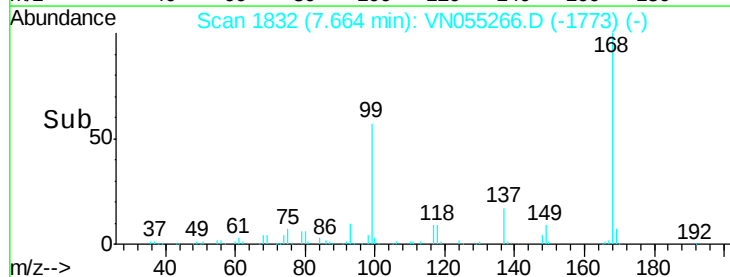
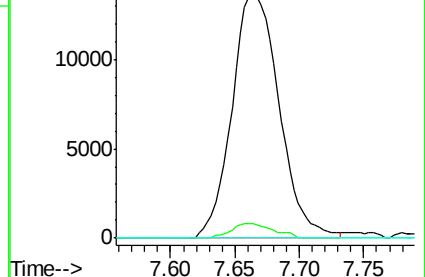
121 0.0 24.6 36.8#

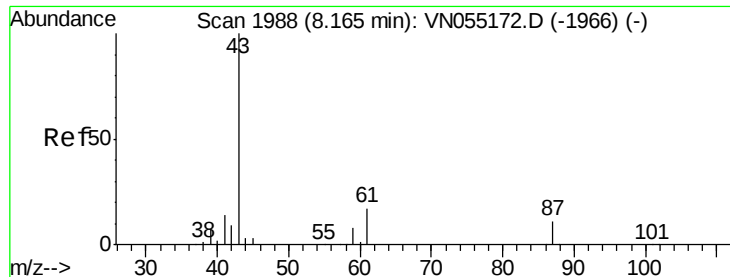


Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-1847) (-)

Ion 118.80 (118.50 to 119.50): VN055172.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN055172.D (-1847) (-)





#43

Isopropyl Acetate

Concen: 0.845 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.06 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBL01

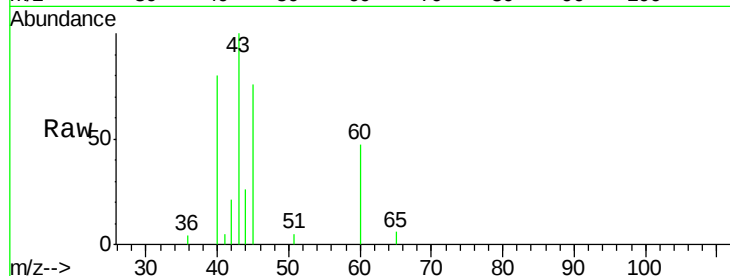
Tot Ion: 43 Resp: 6557

Ion Ratio Lower Upper

43 100

61 0.0 20.6 30.8#

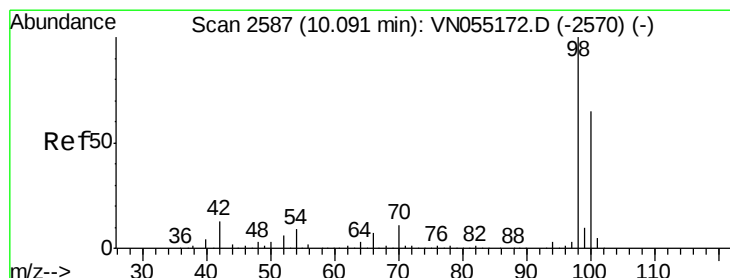
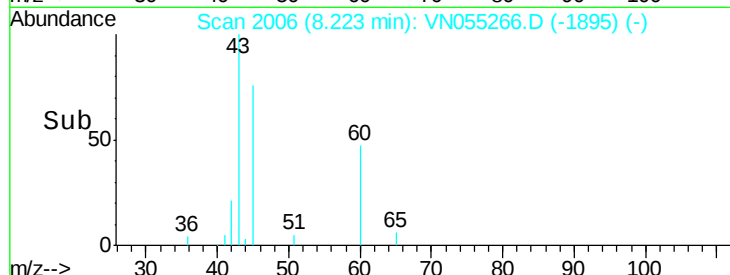
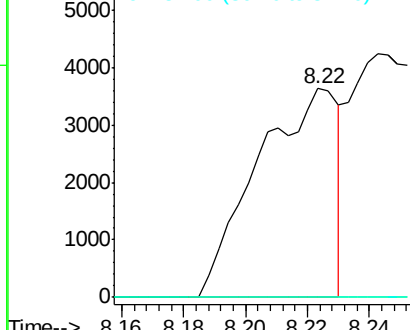
87 0.0 8.8 13.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.122 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055266.D

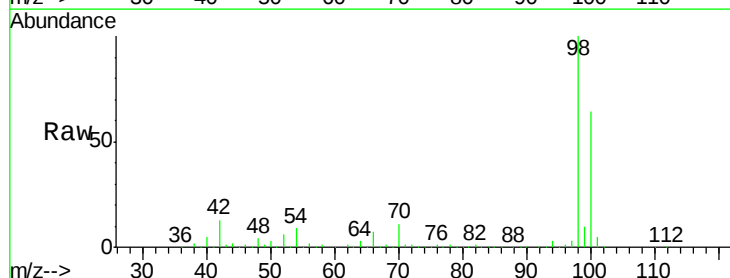
Acq: 26 Apr 2019 11:02

Tgt Ion: 98 Resp: 774642

Ion Ratio Lower Upper

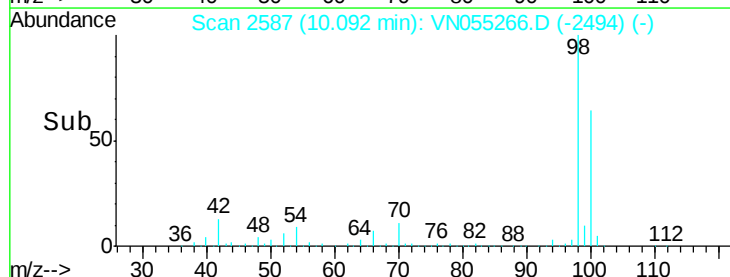
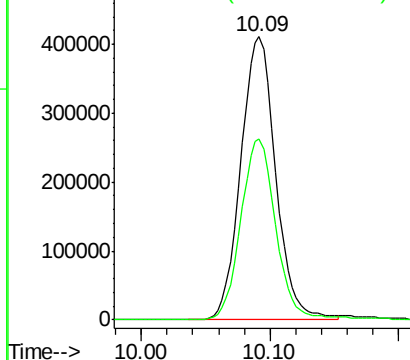
98 100

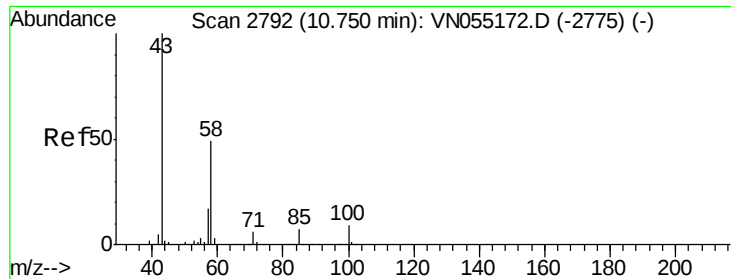
100 64.7 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

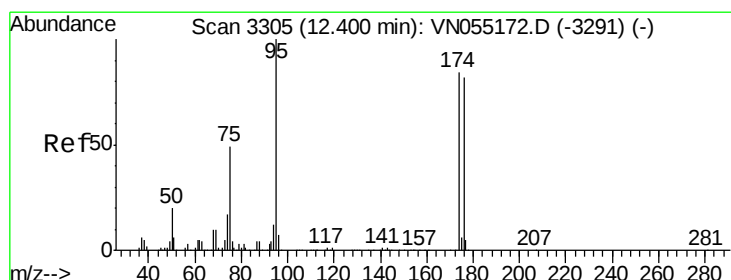
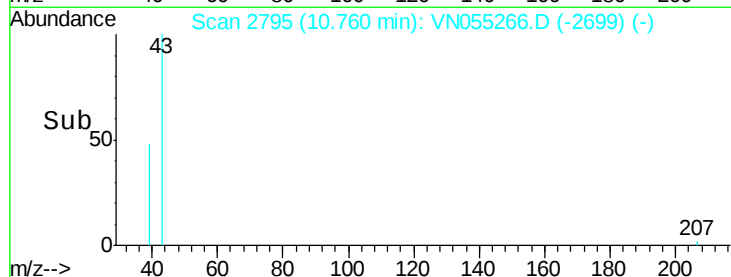
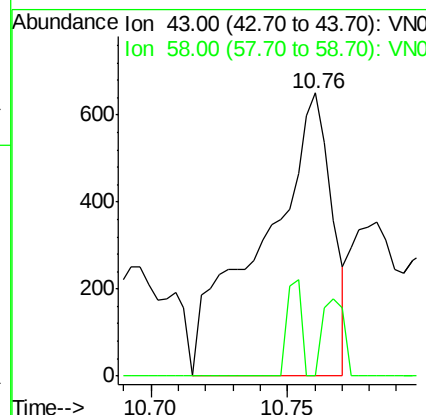
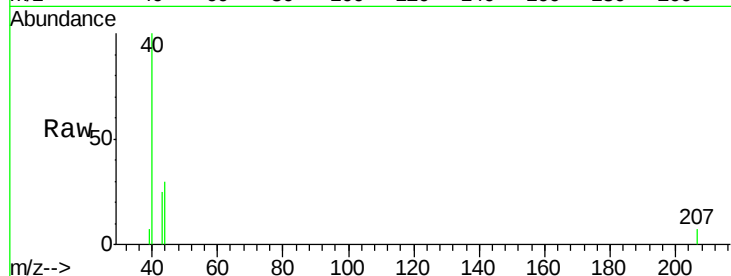




#59
2-Hexanone
Concen: 0.403 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

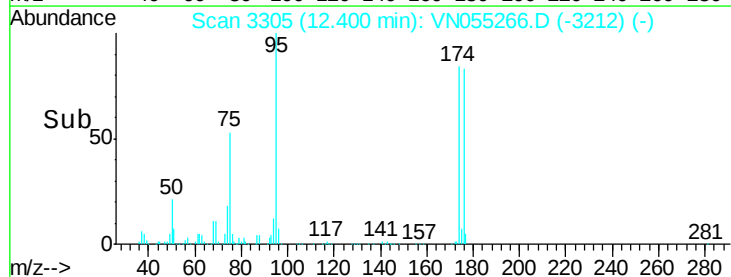
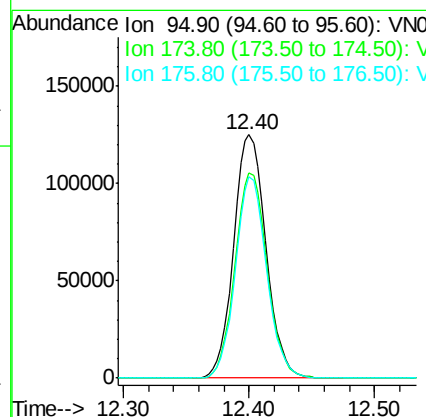
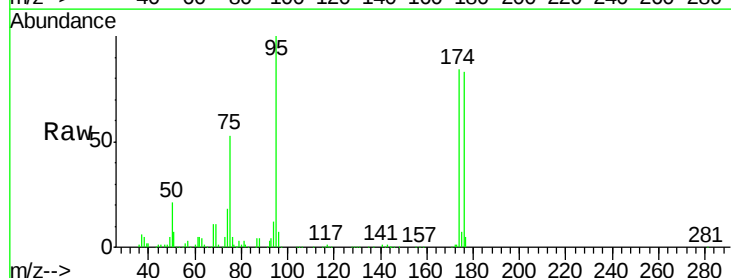
Instrument :
MSVOA_N
ClientSampled :
VN0427MBL01

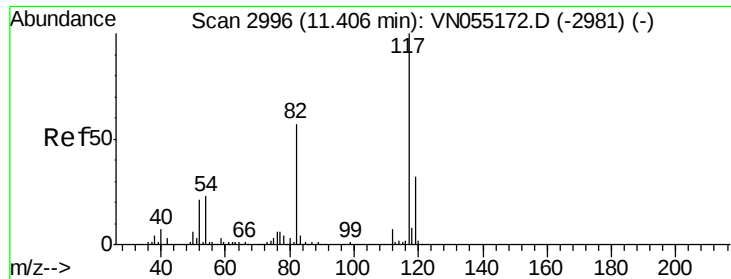
Tot Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 8.4 24.5 73.5#



#62
4-Bromofluorobenzene
Concen: 43.924 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

Tgt Ion: 95 Resp: 223908
Ion Ratio Lower Upper
95 100
174 84.0 0.0 168.4
176 80.0 0.0 164.0

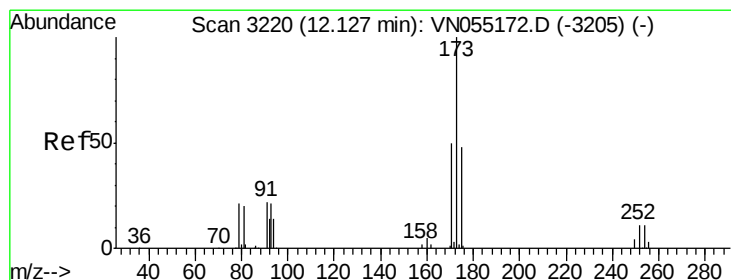
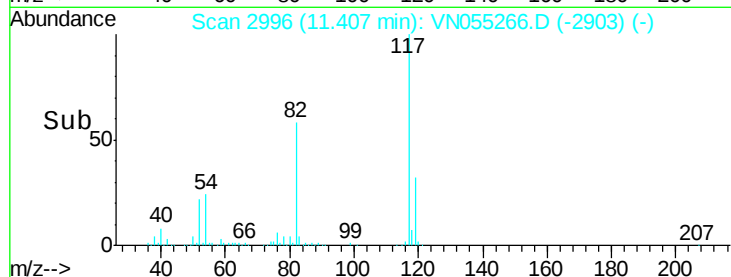
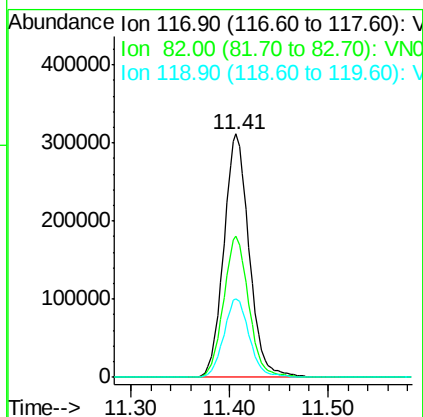
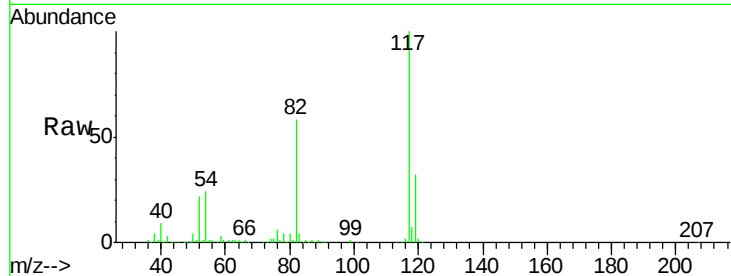




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

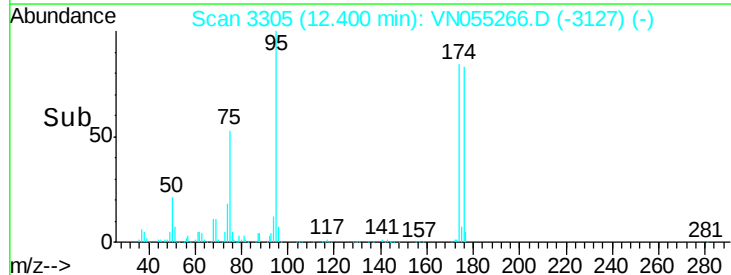
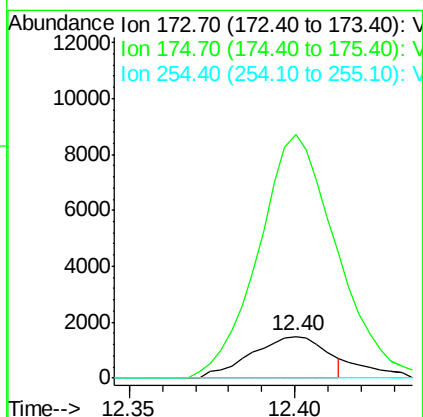
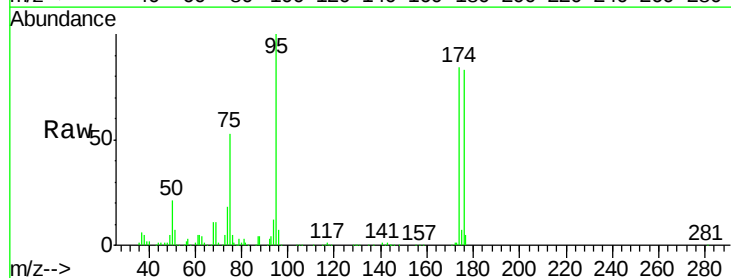
Instrument :
MSVOA_N
ClientSampleId :
VN0427MBL01

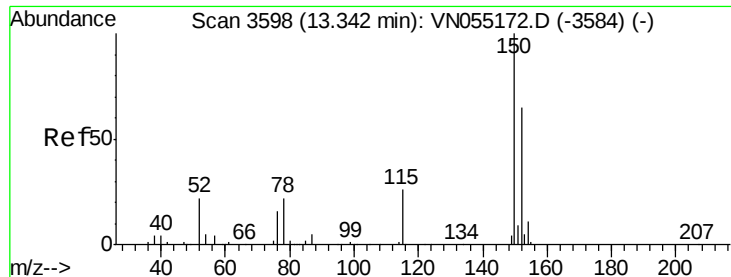
Tot Ion:117 Resp: 561654
Ion Ratio Lower Upper
117 100
82 57.8 45.7 68.5
119 32.5 25.4 38.2



#71
Bromoform
Concen: 0.917 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055266.D
Acq: 26 Apr 2019 11:02

Tgt Ion:173 Resp: 2324
Ion Ratio Lower Upper
173 100
175 536.2 23.8 71.2#
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: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0427MBL01

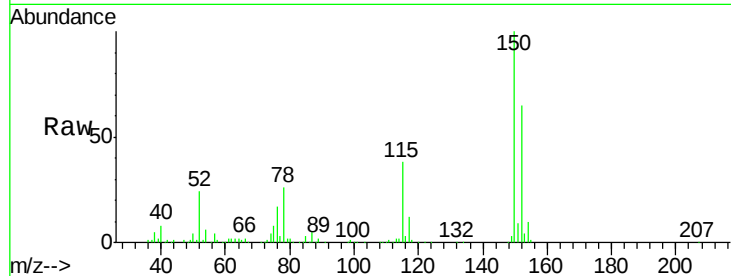
Tot Ion:152 Resp: 140415

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

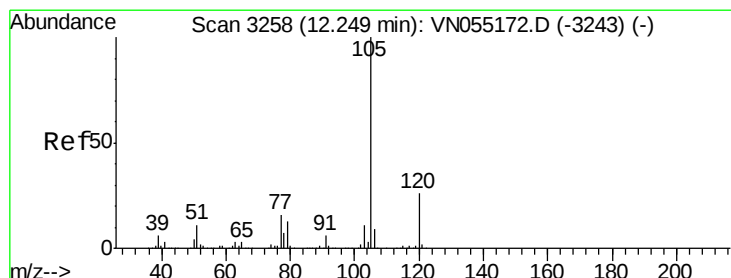
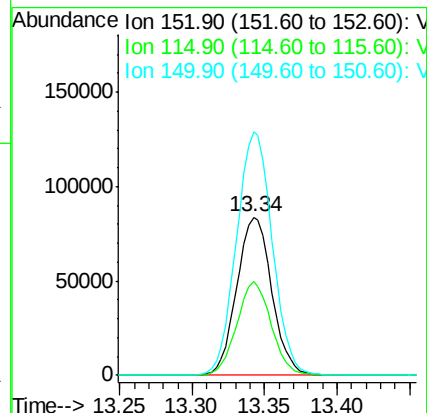
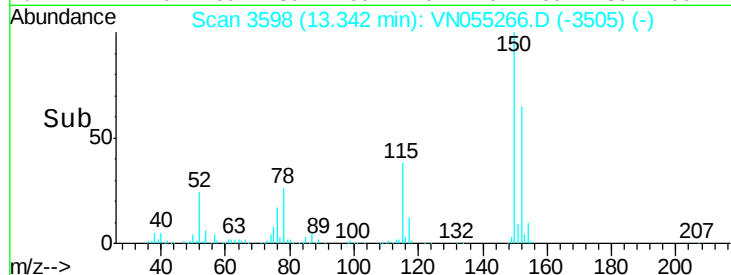
150 157.8 0.0 346.6



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



#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055266.D

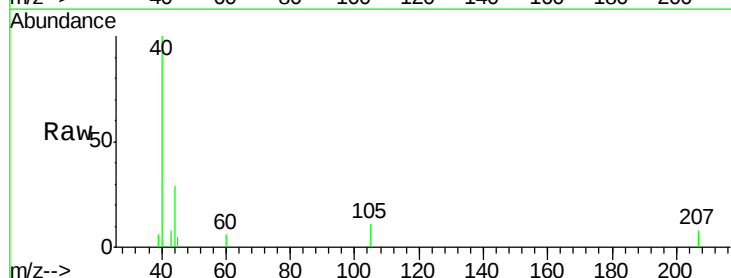
Acq: 26 Apr 2019 11:02

Tgt Ion:105 Resp: 397

Ion Ratio Lower Upper

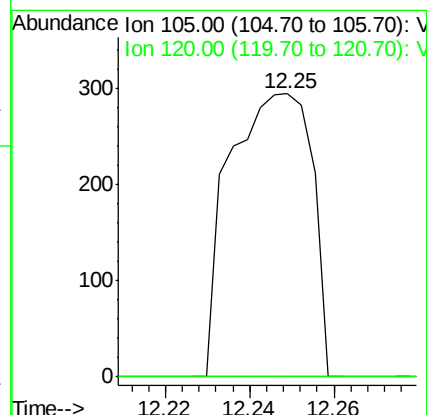
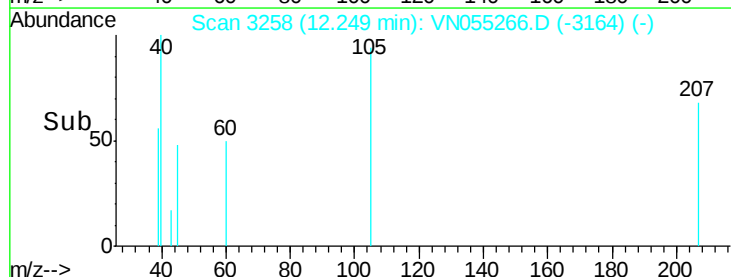
105 100

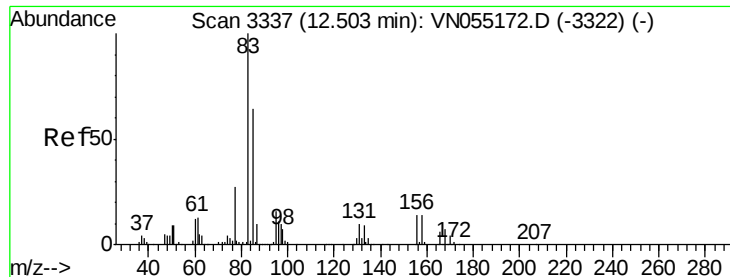
120 0.0 13.1 39.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.42 min Scan# 3311

Delta R.T. -0.08 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBL01

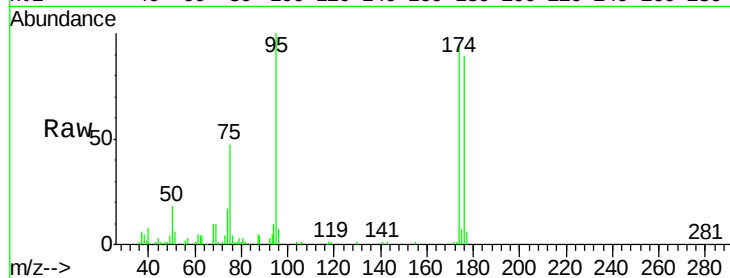
Tot Ion: 83 Resp: 30

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.1 96.3#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.42

150

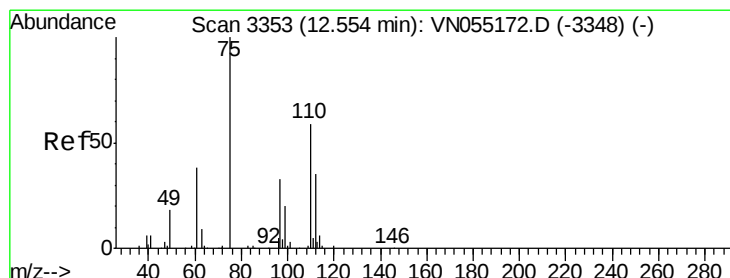
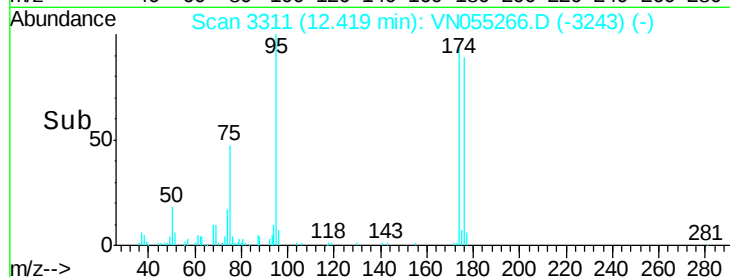
100

50

0

12.41 12.42 12.43

Time-->



#76

1,2,3-Trichloropropane

Concen: 40.289 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055266.D

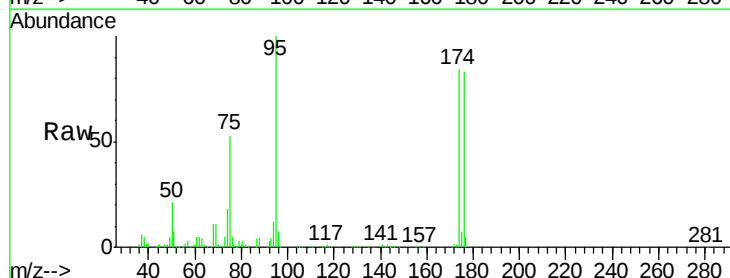
Acq: 26 Apr 2019 11:02

Tgt Ion: 75 Resp: 114769

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

60000

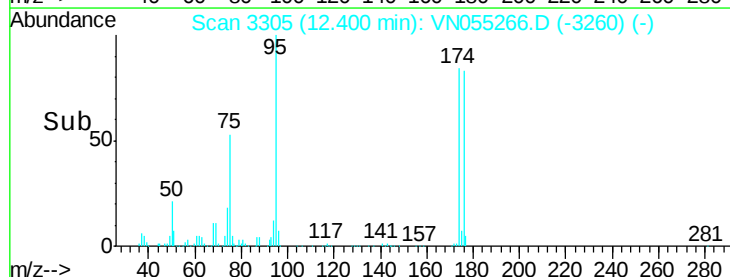
40000

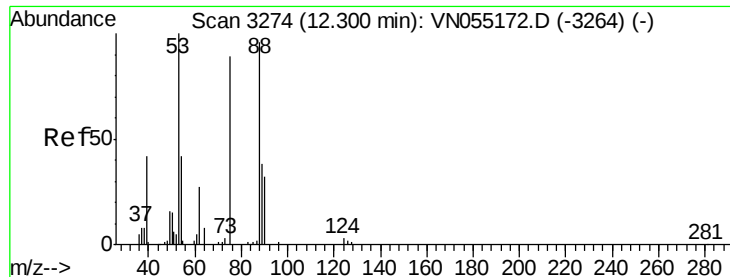
20000

0

12.35 12.40 12.45 12.50

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 152.729 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampleId :

VN0427MBL01

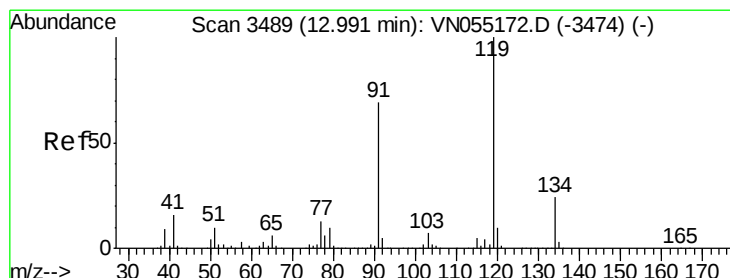
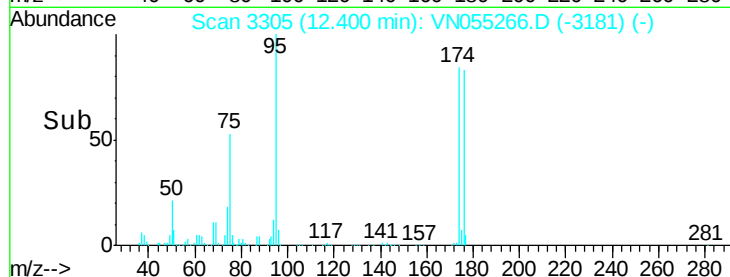
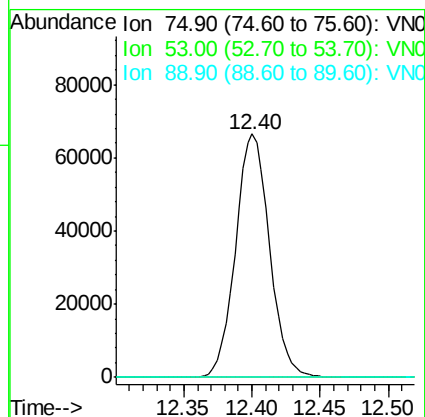
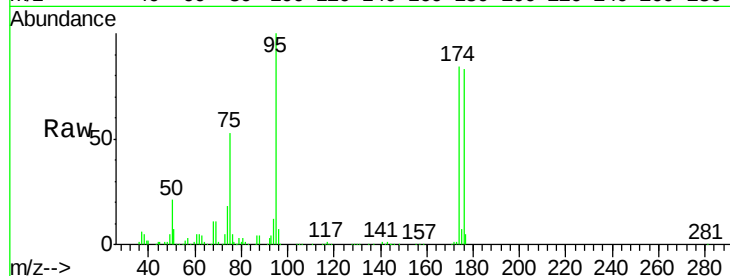
Tot Ion: 75 Resp: 114769

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.0 36.7 55.1#



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

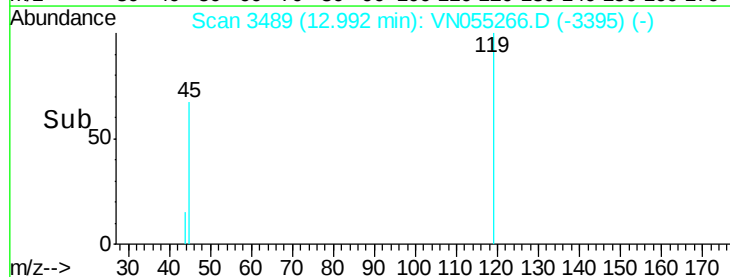
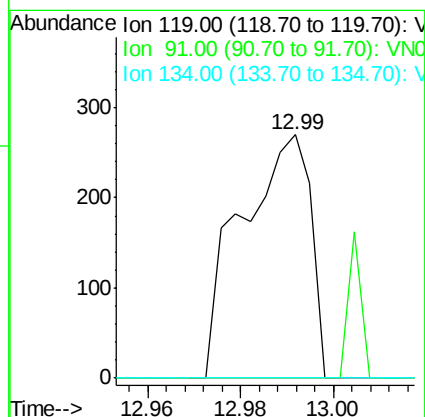
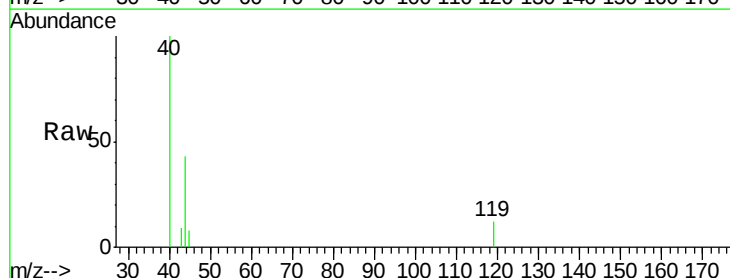
Tgt Ion: 119 Resp: 282

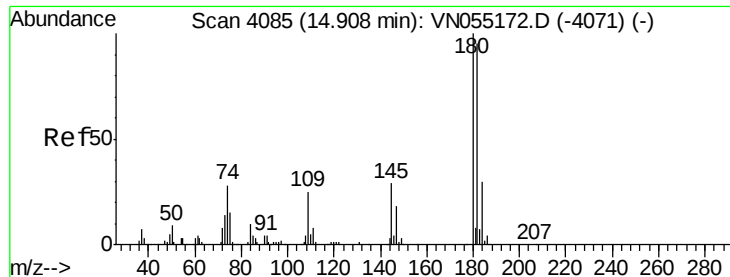
Ion Ratio Lower Upper

119 100

91 11.0 33.8 101.3#

134 0.0 13.2 39.5#

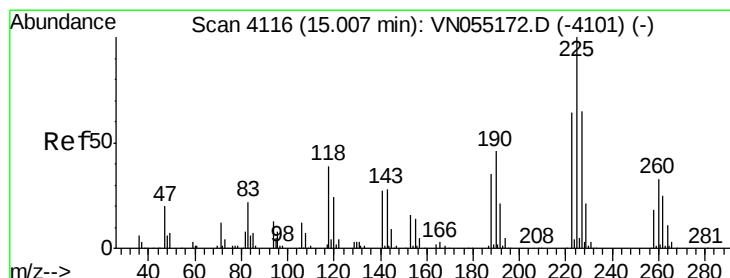
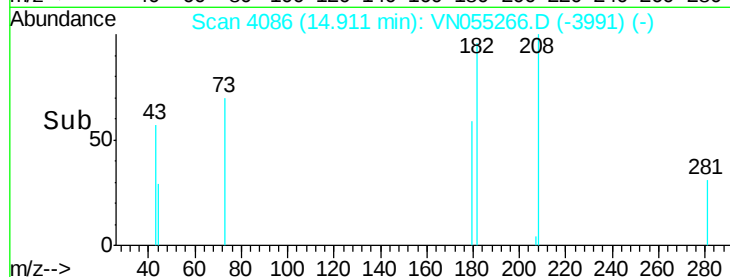
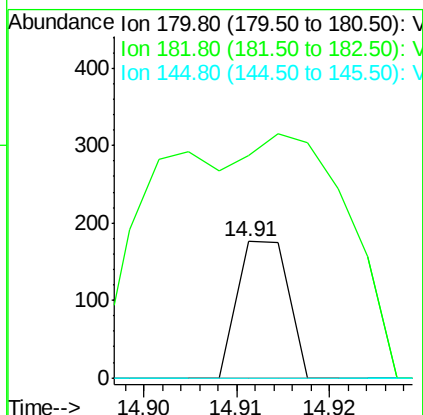
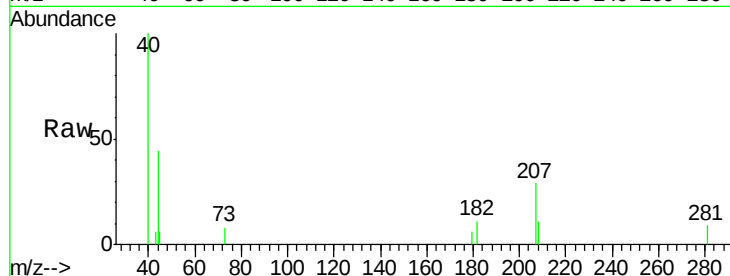




#93
 1,2,4-Trichlorobenzene
 Concen: 2.769 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055266.D
 Acq: 26 Apr 2019 11:02

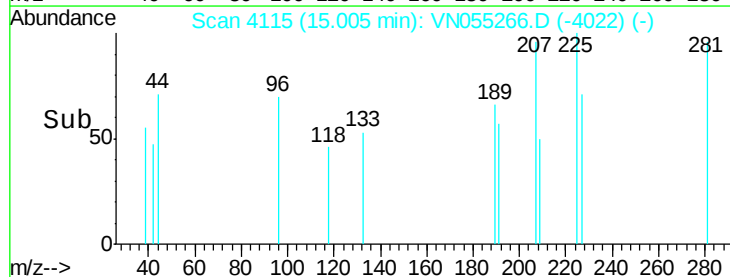
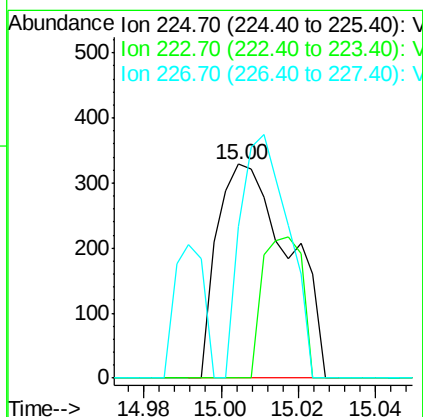
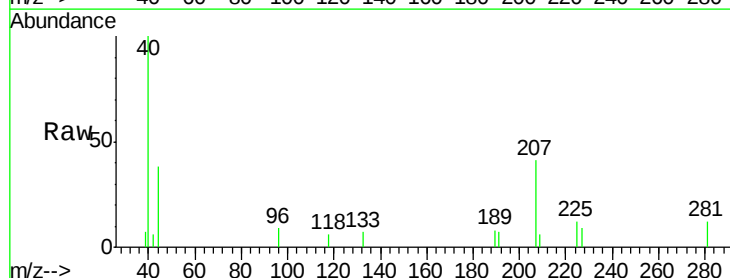
Instrument :
 MSVOA_N
 ClientSampled :
 VN0427MBL01

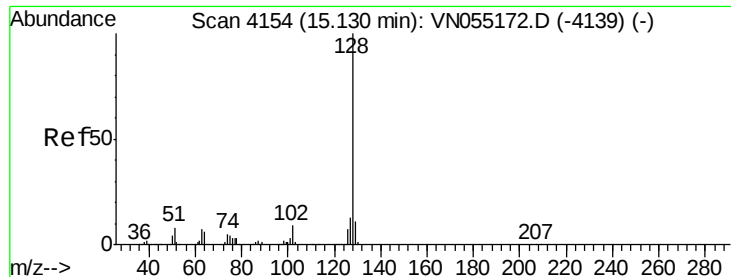
Tot Ion:180 Resp: 68
 Ion Ratio Lower Upper
 180 100
 182 292.6 47.8 143.4#
 145 0.0 14.5 43.5#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN055266.D
 Acq: 26 Apr 2019 11:02

Tgt Ion:225 Resp: 422
 Ion Ratio Lower Upper
 225 100
 223 37.0 32.2 96.6
 227 76.1 32.6 98.0





#95

Naphthalene

Concen: 3.647 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

Instrument :

MSVOA_N

ClientSampled :

VN0427MBL01

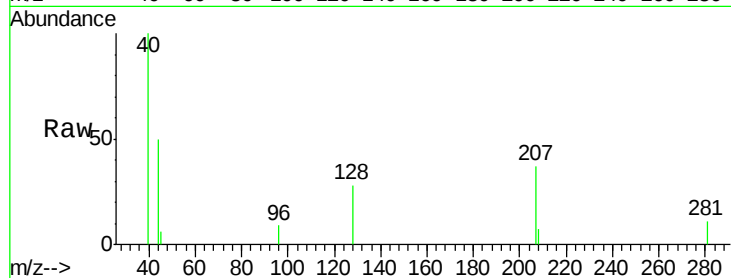
Tot Ion:128 Resp: 1240

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

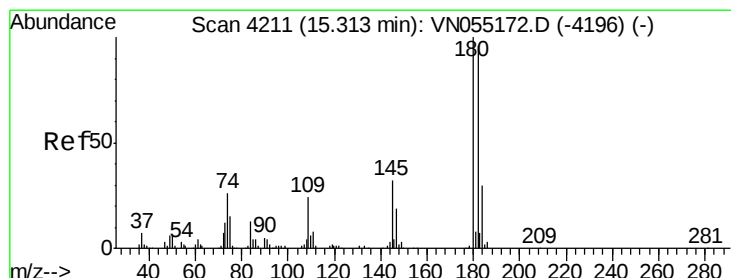
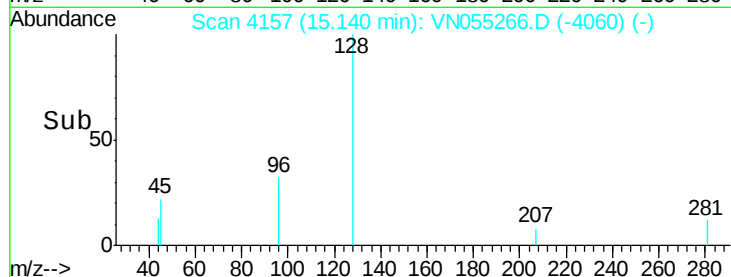
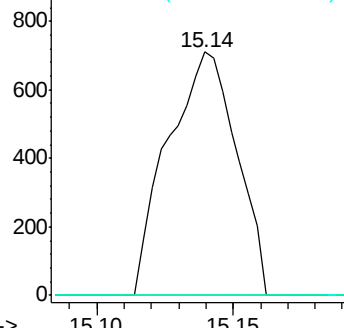
129 0.0 8.8 13.2#



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: 2.282 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN055266.D

Acq: 26 Apr 2019 11:02

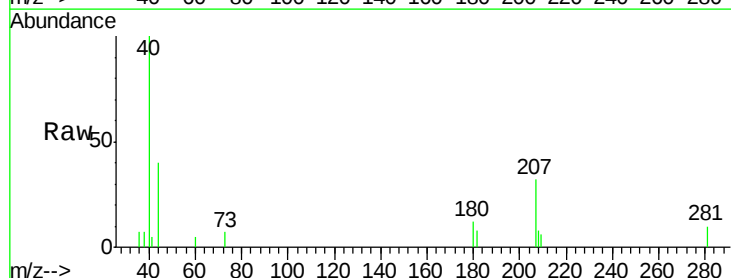
Tgt Ion:180 Resp: 339

Ion Ratio Lower Upper

180 100

182 59.9 47.2 141.6

145 0.0 15.4 46.1#



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

