

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022519\
 Data File : VN053931.D
 Acq On : 25 Feb 2019 15:56
 Operator : JC/SP
 Sample : VN0225WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Quant Time: Feb 26 06:16:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	629096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1123528	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1062829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	395208	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	387488	52.54	ug/l	0.00
Spiked Amount			Recovery	=	105.08%	
35) Dibromofluoromethane	7.59	113	360145	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	10.09	98	1408729	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.40	95	461217	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	

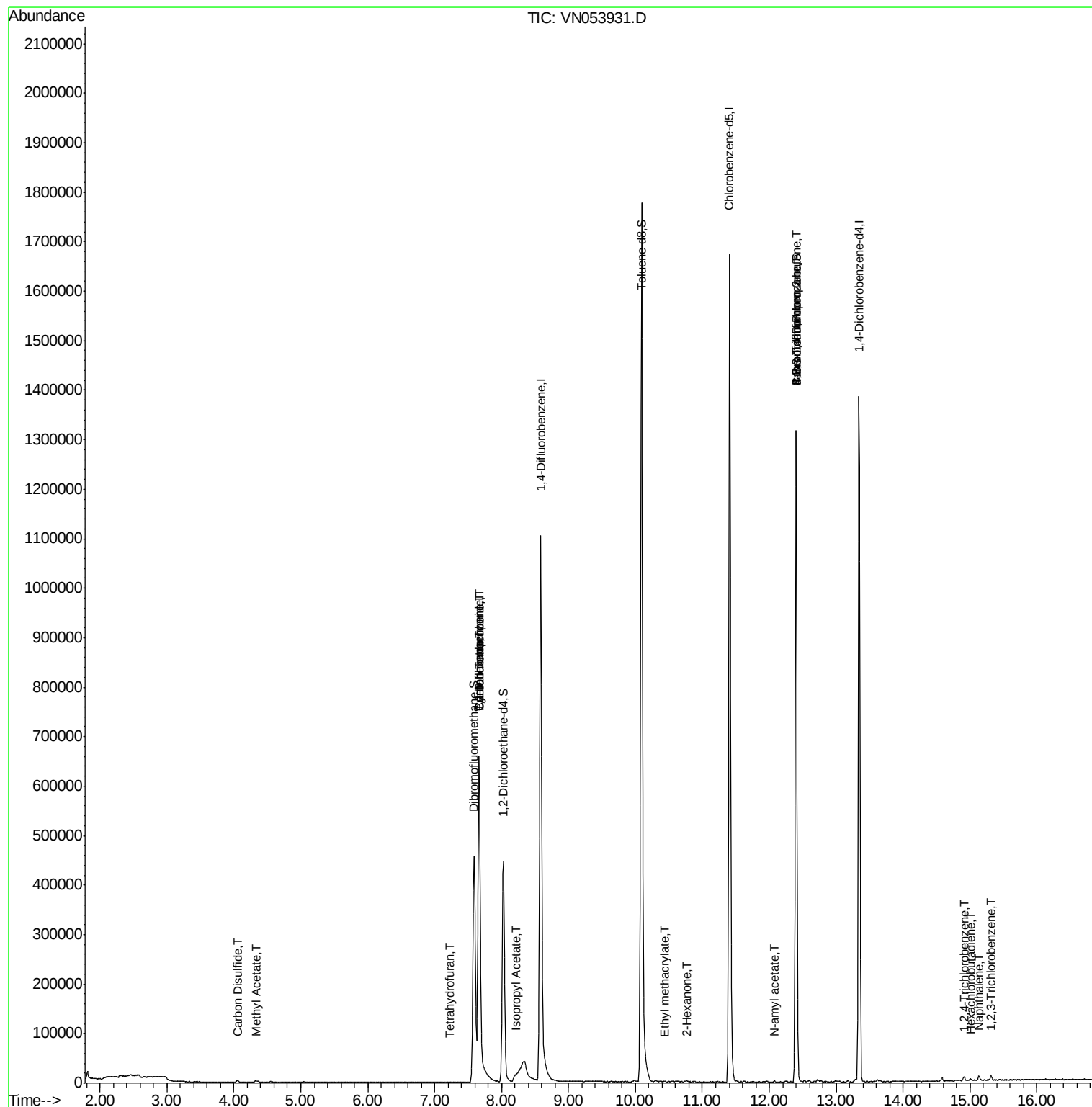
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	490	Below Cal	#	40
17) Carbon Disulfide	4.06	76	5163	0.258	ug/l	95
18) Methyl Acetate	4.33	43	5999	1.163	ug/l #	71
29) Tetrahydrofuran	7.22	42	479	0.248	ug/l #	31
31) Cyclohexane	7.67	56	10738	0.505	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	41054	3.929	ug/l #	48
38) Carbon Tetrachloride	7.66	117	52634	4.844	ug/l #	17
43) Isopropyl Acetate	8.20	43	9541	0.757	ug/l #	58
56) Ethyl methacrylate	10.44	69	173	1.973	ug/l #	41
59) 2-Hexanone	10.76	43	2135	0.507	ug/l	76
71) Bromoform	12.40	173	3637	0.647	ug/l #	1
74) N-amyl acetate	12.07	43	1916	0.238	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	222382	35.077	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	222382	110.865	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2883	2.602	ug/l	94
94) Hexachlorobutadiene	15.01	225	968	0.205	ug/l	90
95) Naphthalene	15.13	128	9178	3.761	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.31	180	3992	2.113	ug/l	96

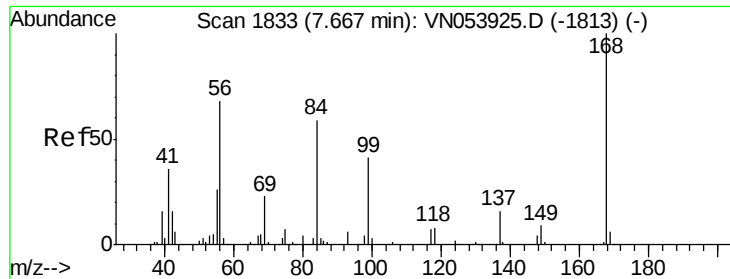
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

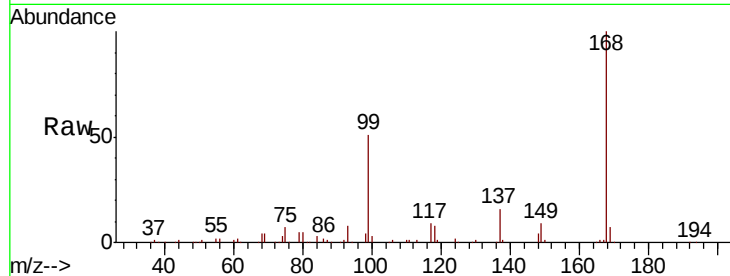
VN0225WBL01

Tgt Ion:168 Resp: 629096

Ion Ratio Lower Upper

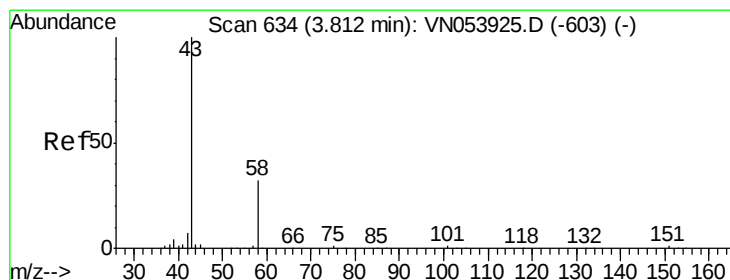
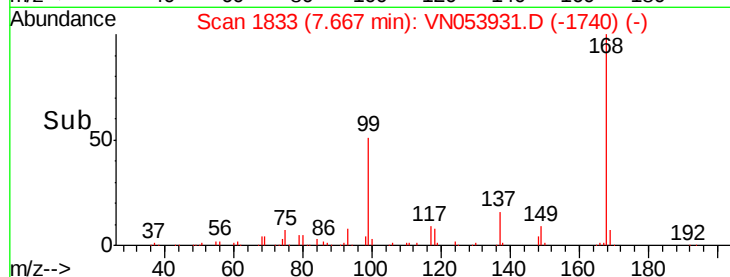
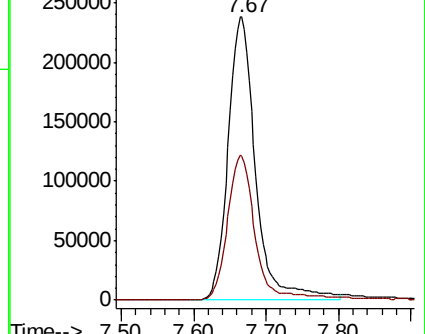
168 100

99 50.8 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053931.D

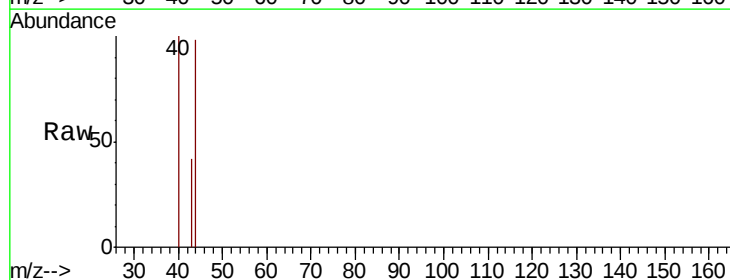
Acq: 25 Feb 2019 15:56

Tgt Ion: 43 Resp: 490

Ion Ratio Lower Upper

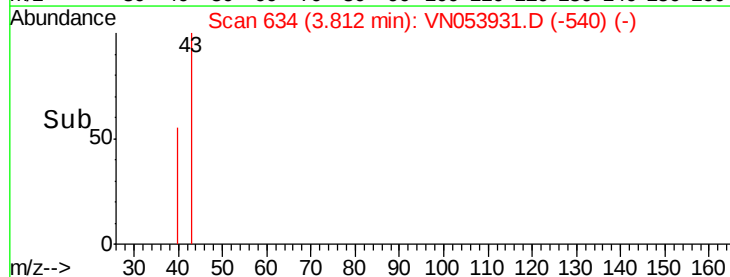
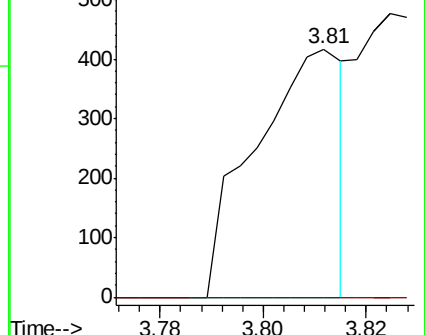
43 100

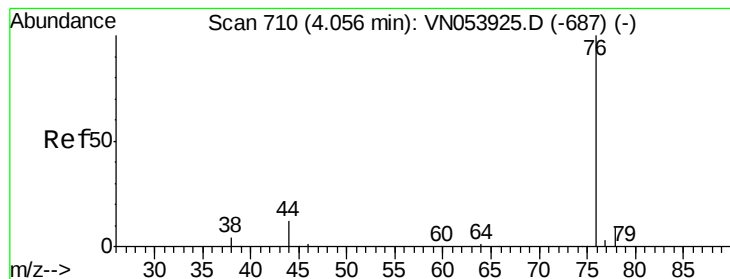
58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.258 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

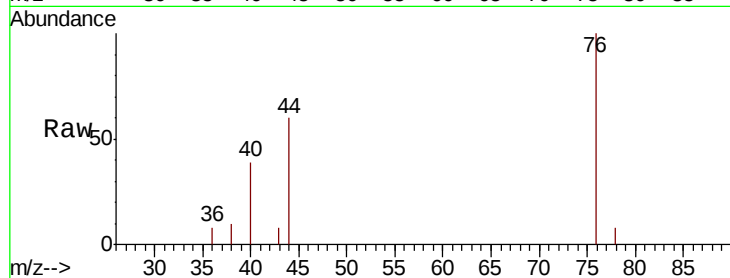
VN0225WBL01

Tgt Ion: 76 Resp: 5163

Ion Ratio Lower Upper

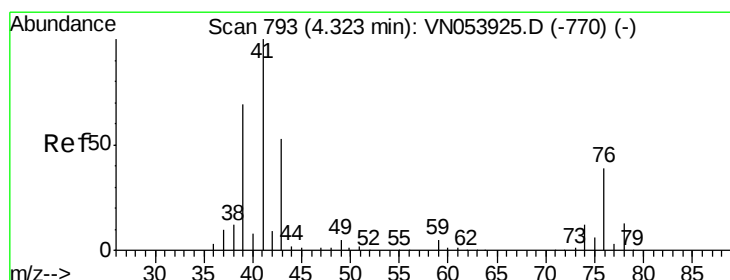
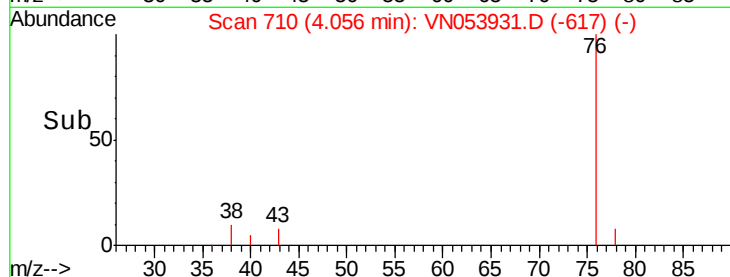
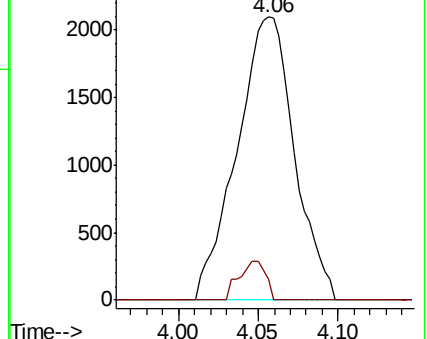
76 100

78 7.5 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.163 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN053931.D

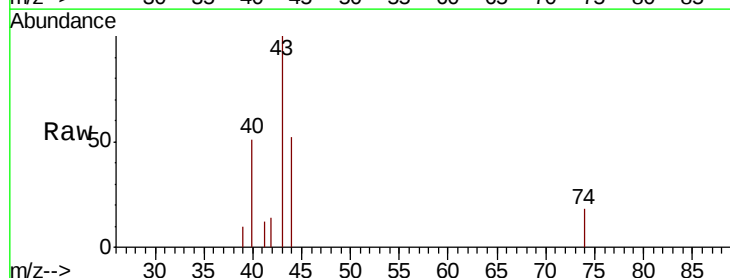
Acq: 25 Feb 2019 15:56

Tgt Ion: 43 Resp: 5999

Ion Ratio Lower Upper

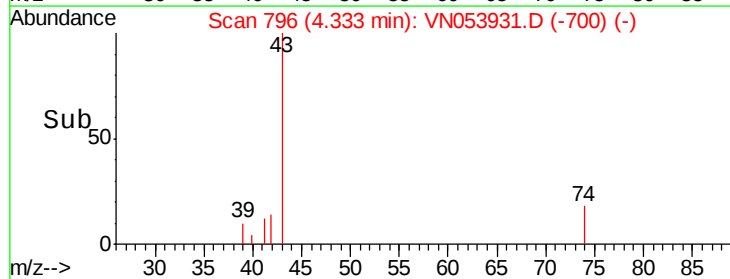
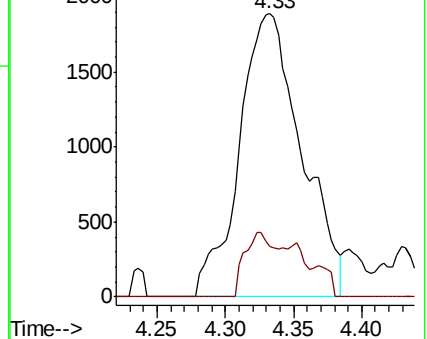
43 100

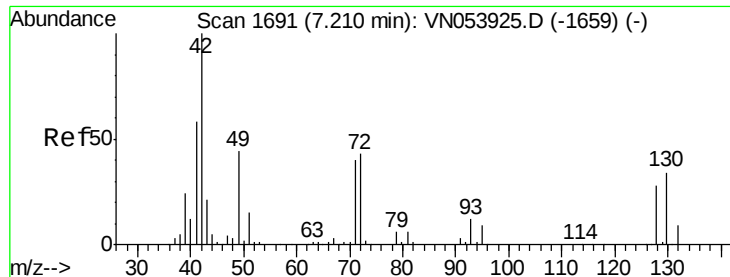
74 10.9 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#29

Tetrahydrofuran

Concen: 0.248 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.01 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

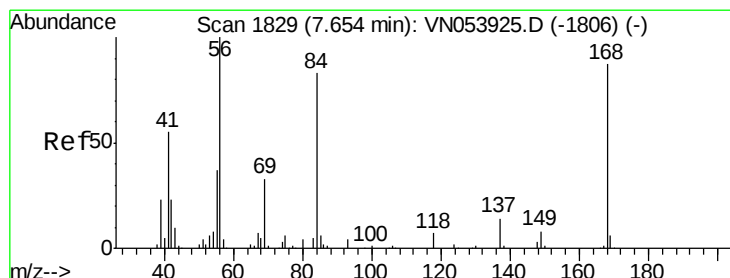
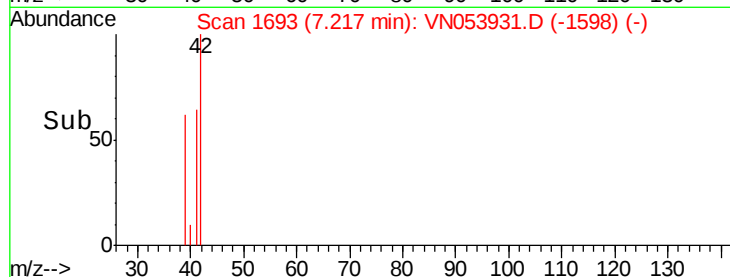
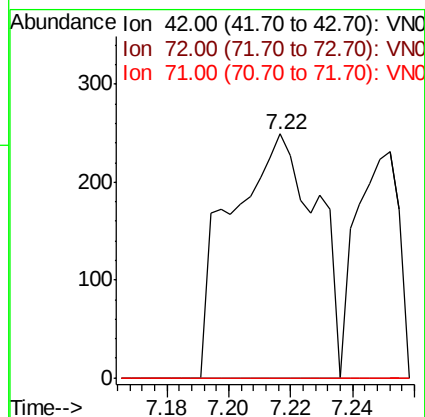
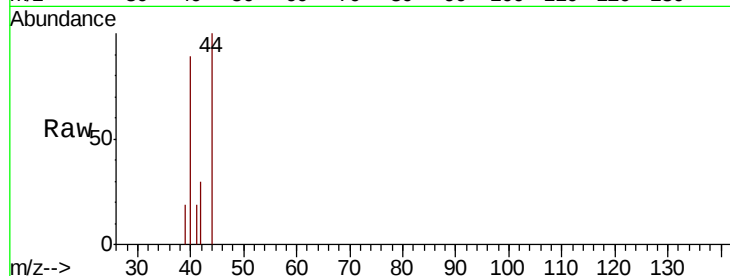
Tgt Ion: 42 Resp: 479

Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

71 0.0 34.6 52.0#



#31

Cyclohexane

Concen: 0.505 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

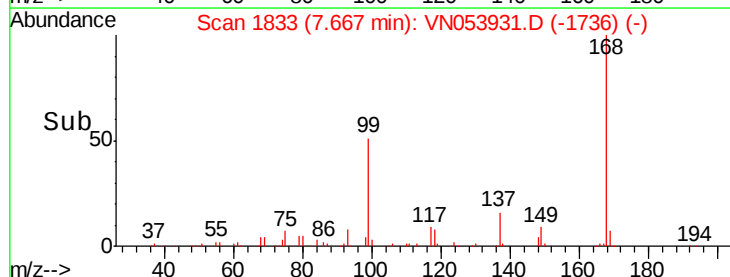
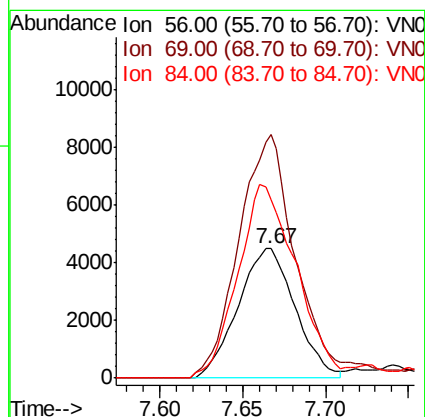
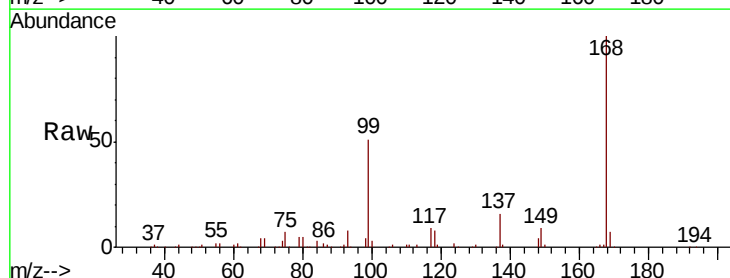
Tgt Ion: 56 Resp: 10738

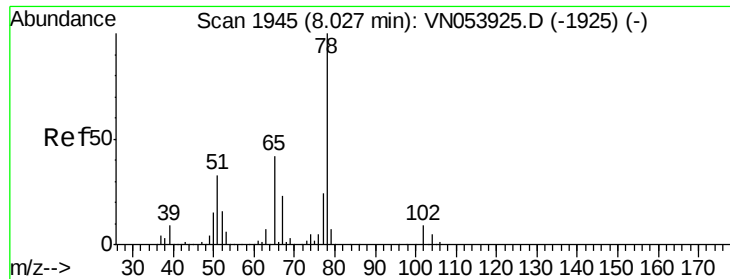
Ion Ratio Lower Upper

56 100

69 188.2 26.0 39.0#

84 137.7 69.1 103.7#

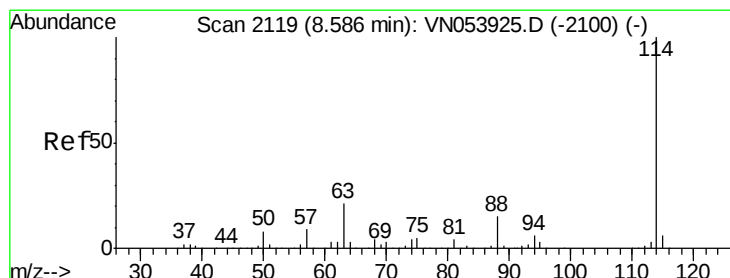
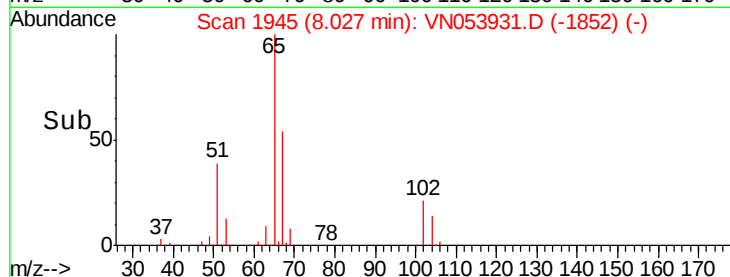
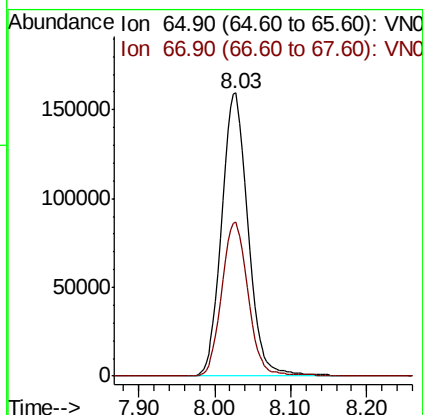
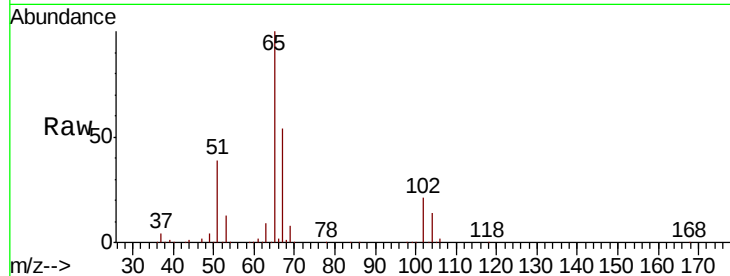




#33
 1,2-Dichloroethane-d4
 Concen: 52.545 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

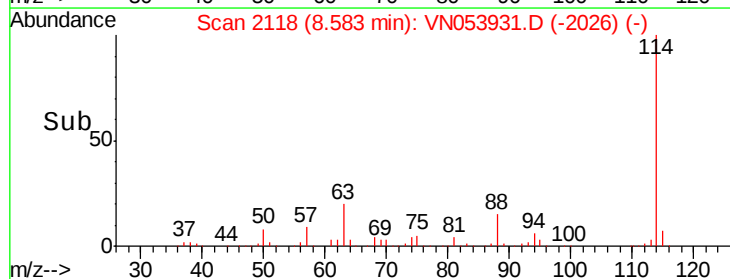
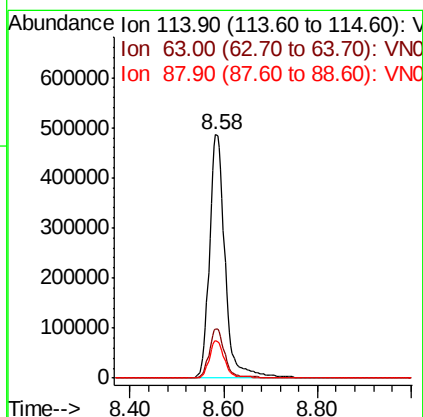
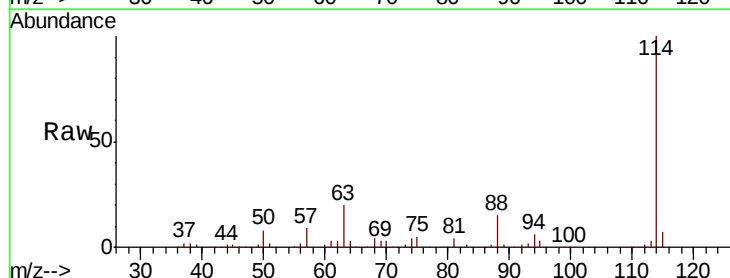
Instrument :
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 VN0225WBL01

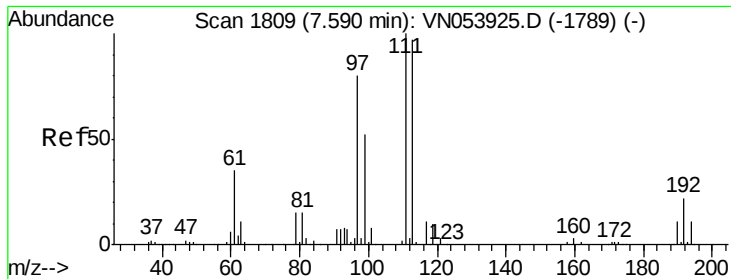
Tgt Ion: 65 Resp: 387488
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

Tgt Ion: 114 Resp: 1123528
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 37.4
 88 15.5 0.0 30.4

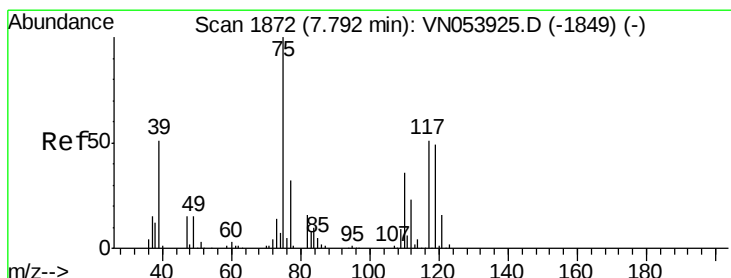
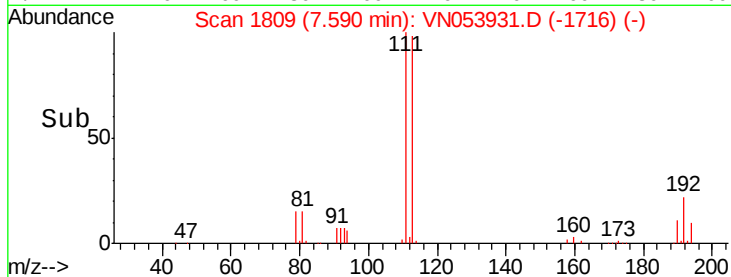
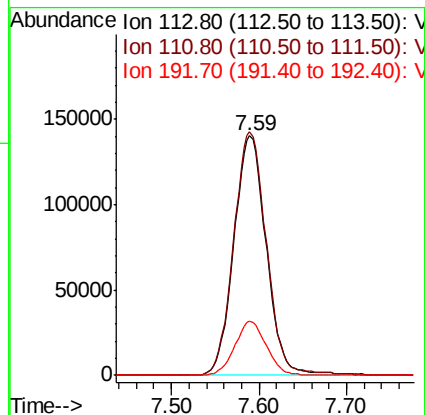
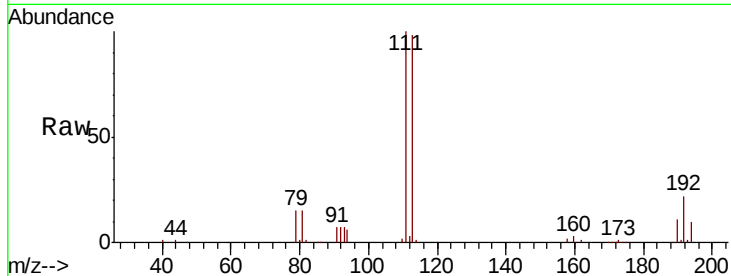




#35
 Dibromofluoromethane
 Concen: 49.570 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

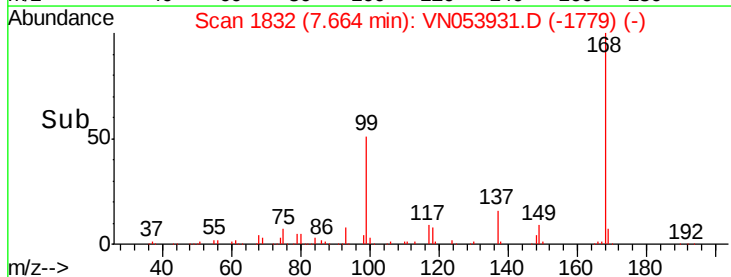
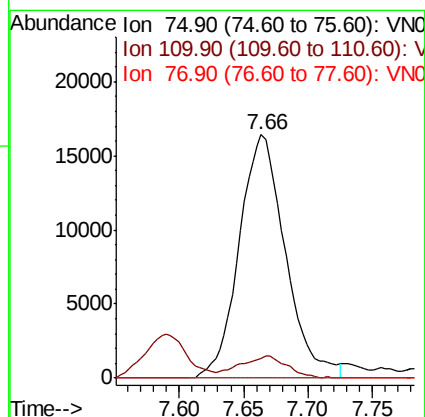
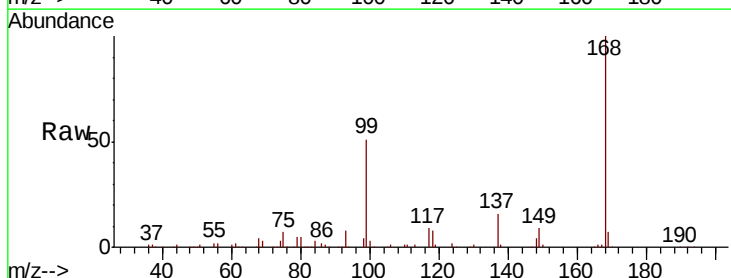
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

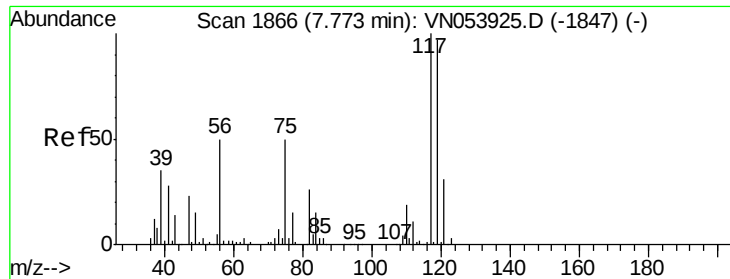
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.1	121.7
192	22.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 3.929 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.0	57.0#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 4.844 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

VN0225WBL01

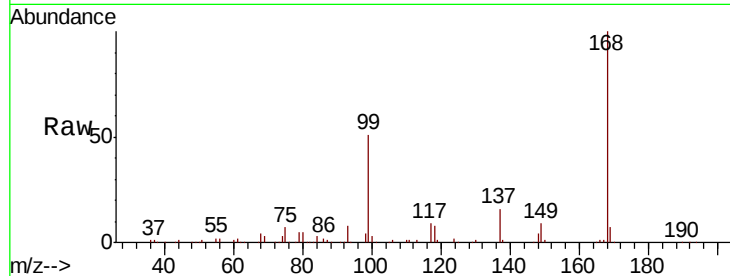
Tgt Ion:117 Resp: 52634

Ion Ratio Lower Upper

117 100

119 5.6 76.2 114.2#

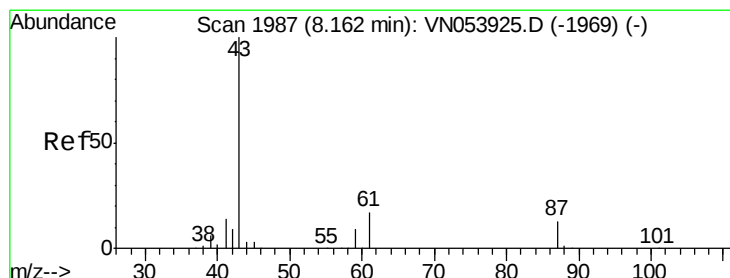
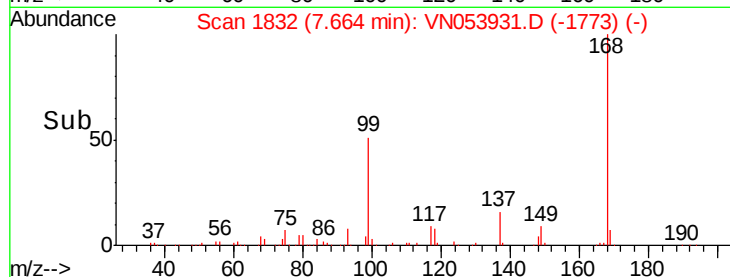
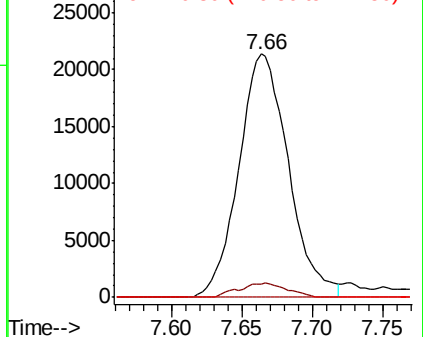
121 0.0 24.6 36.8#



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: 0.757 ug/l

RT: 8.20 min Scan# 2000

Delta R.T. 0.04 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

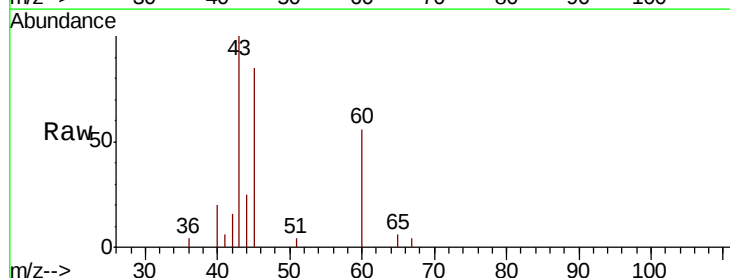
Tgt Ion: 43 Resp: 9541

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

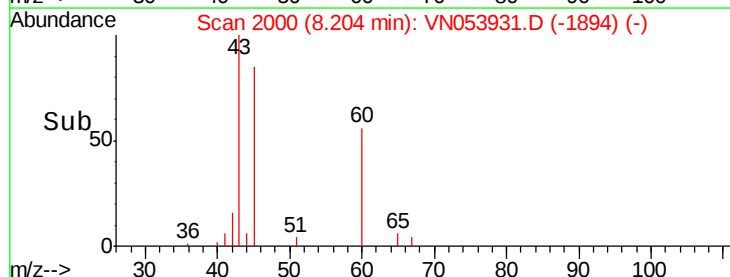
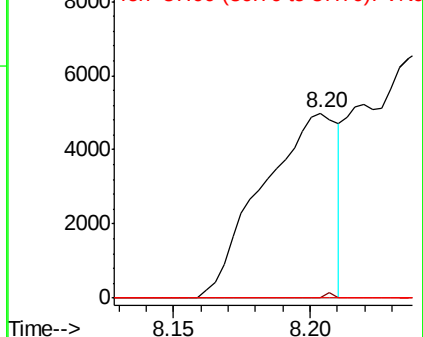
87 0.0 11.5 17.3#

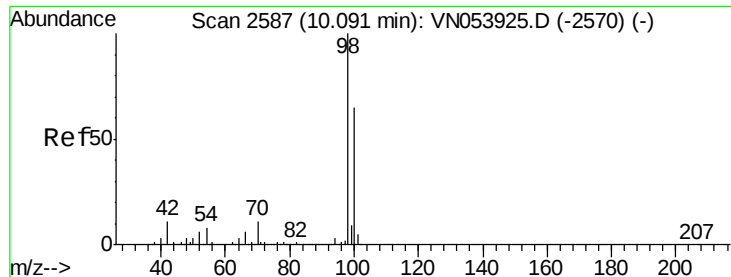


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.087 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

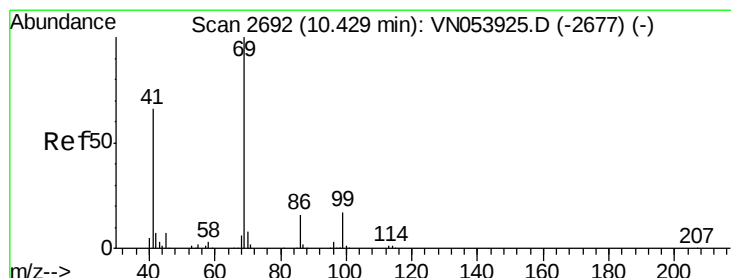
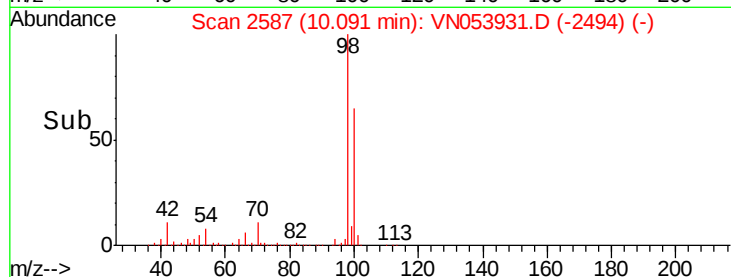
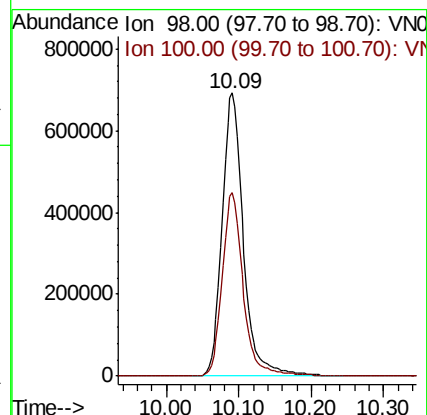
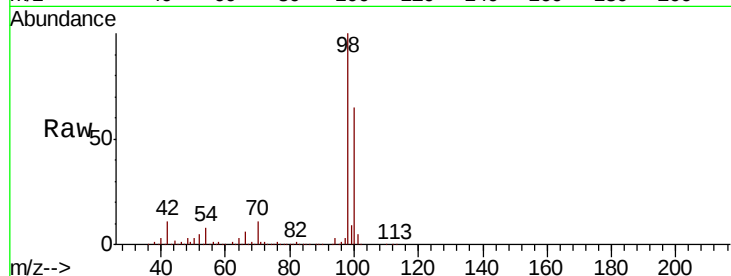
VN0225WBL01

Tgt Ion: 98 Resp: 1408729

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#56

Ethyl methacrylate

Concen: 1.973 ug/l

RT: 10.44 min Scan# 2694

Delta R.T. 0.01 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

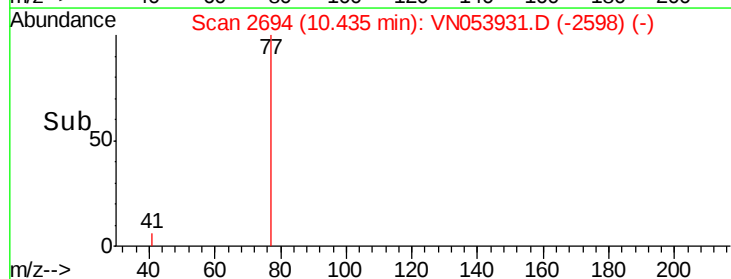
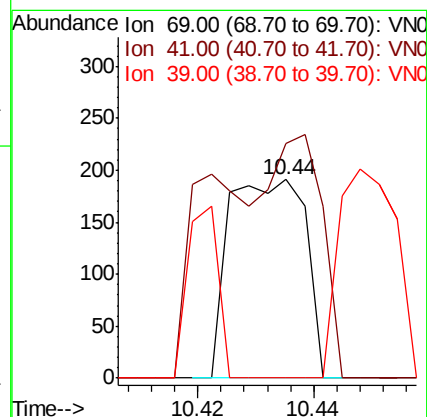
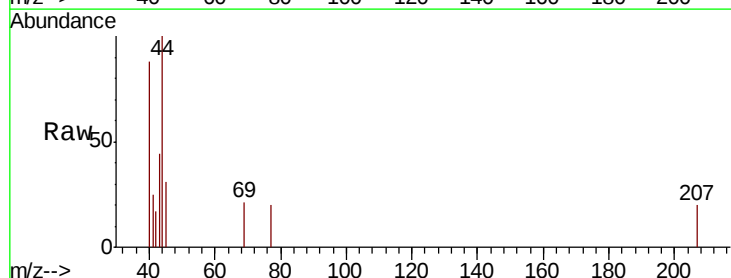
Tgt Ion: 69 Resp: 173

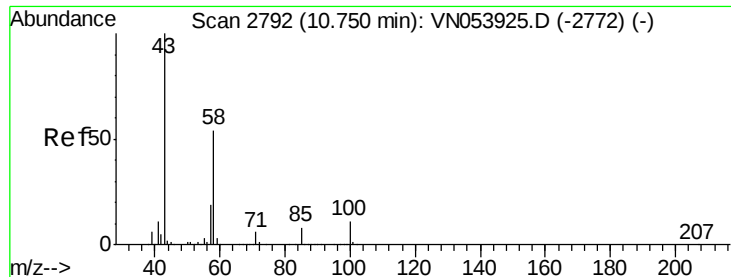
Ion Ratio Lower Upper

69 100

41 90.2 47.5 71.3#

39 79.8 23.4 35.0#

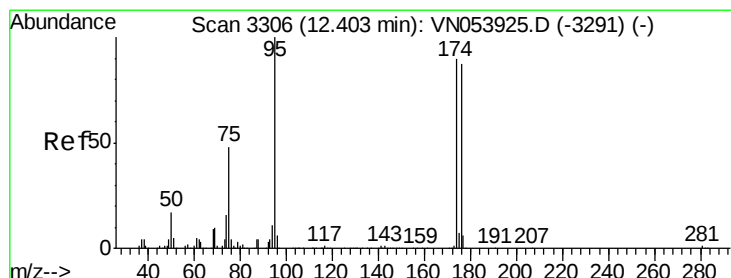
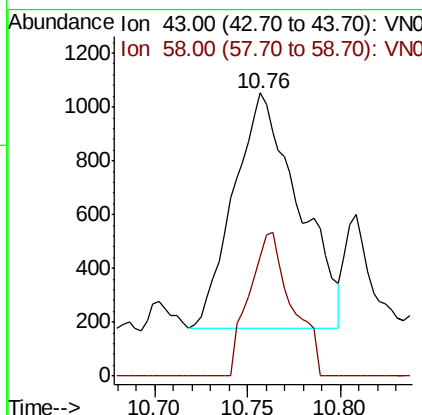
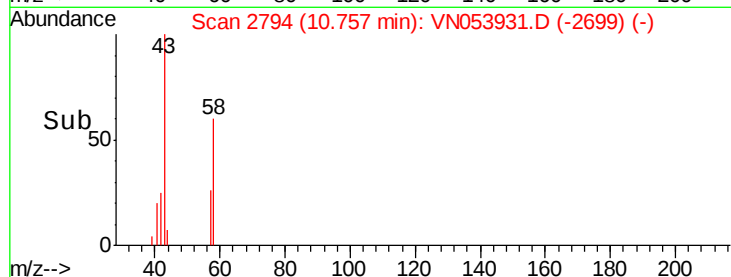
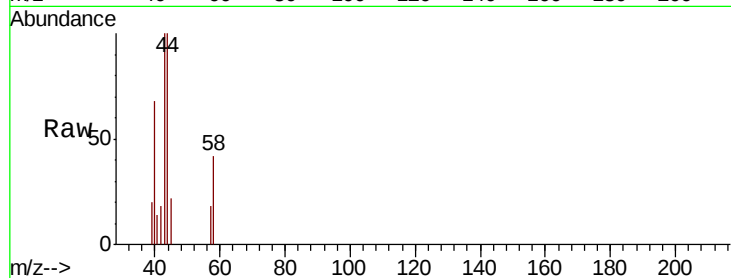




#59
2-Hexanone
Concen: 0.507 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN053931.D
Acq: 25 Feb 2019 15:56

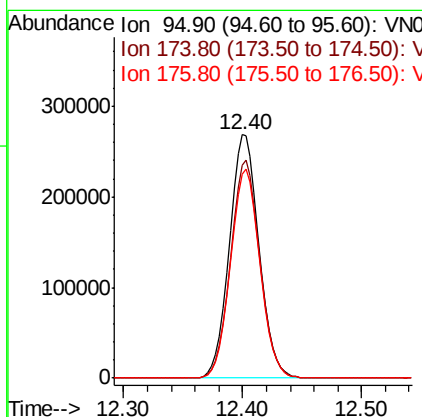
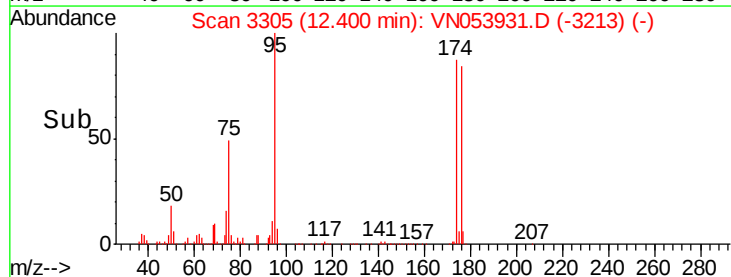
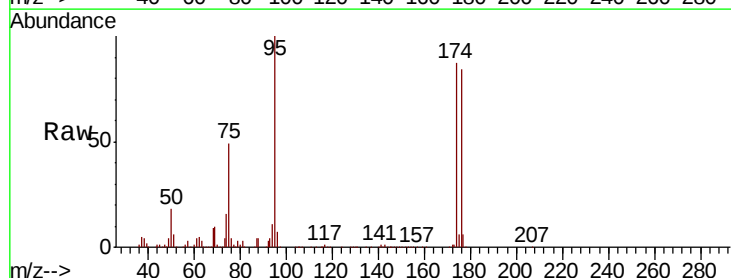
Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

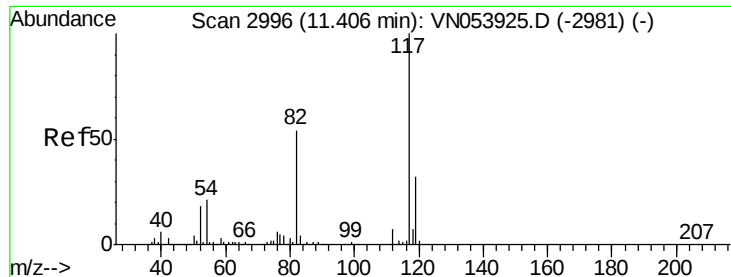
Tgt Ion: 43 Resp: 2135
Ion Ratio Lower Upper
43 100
58 40.3 29.1 87.4



#62
4-Bromofluorobenzene
Concen: 51.184 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053931.D
Acq: 25 Feb 2019 15:56

Tgt Ion: 95 Resp: 461217
Ion Ratio Lower Upper
95 100
174 88.6 0.0 188.8
176 85.6 0.0 182.6

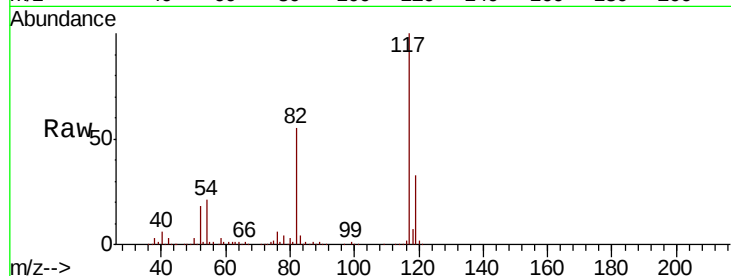




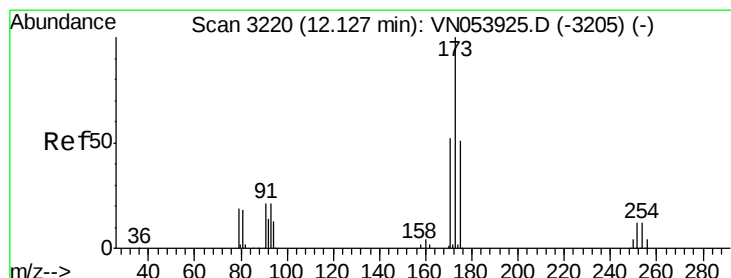
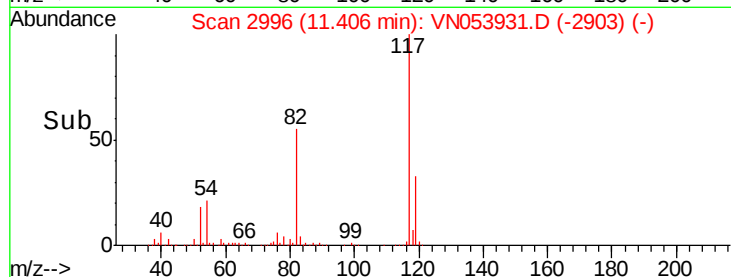
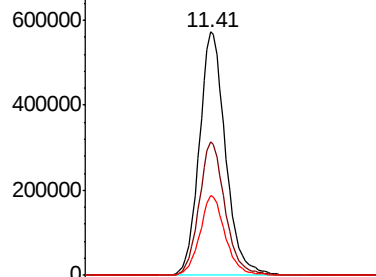
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053931.D
Acq: 25 Feb 2019 15:56

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

Tgt Ion:117 Resp: 1062829
Ion Ratio Lower Upper
117 100
82 54.7 41.4 62.2
119 32.5 25.3 37.9

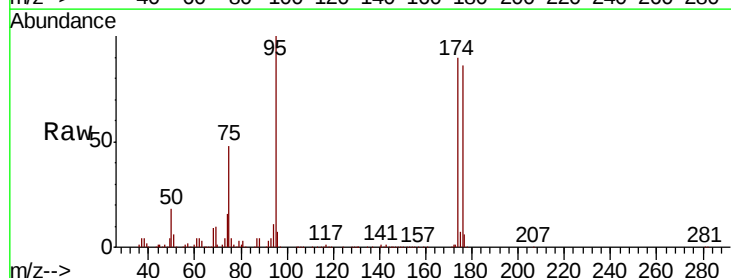


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

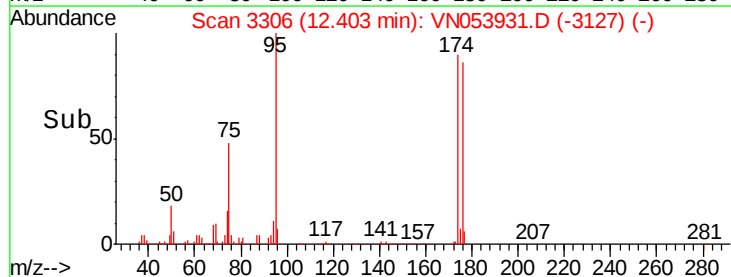
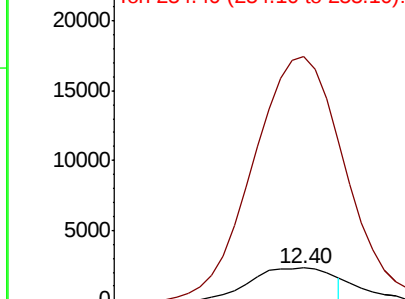


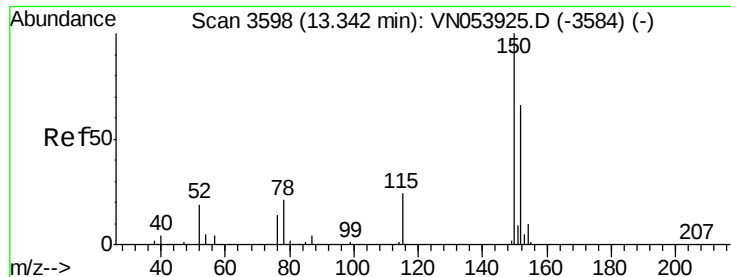
#71
Bromoform
Concen: 0.647 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053931.D
Acq: 25 Feb 2019 15:56

Tgt Ion:173 Resp: 3637
Ion Ratio Lower Upper
173 100
175 730.5 24.3 72.8#
254 0.0 0.2 0.2#



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: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

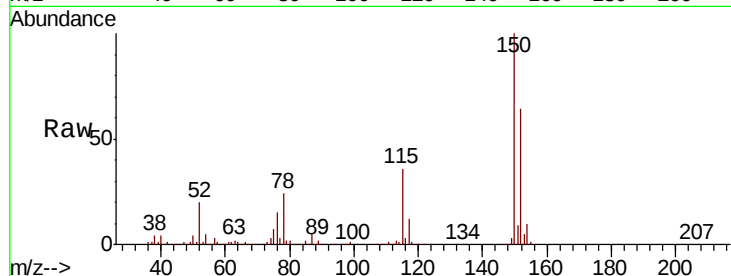
Tgt Ion:152 Resp: 395208

Ion Ratio Lower Upper

152 100

115 55.9 27.2 81.6

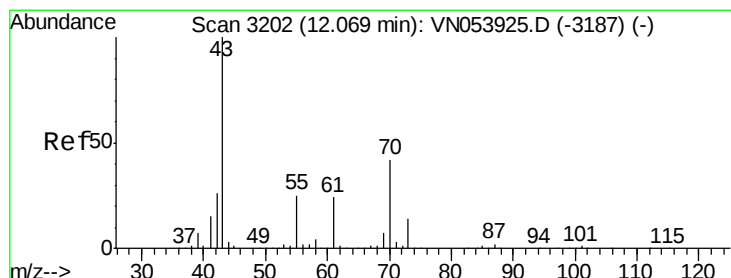
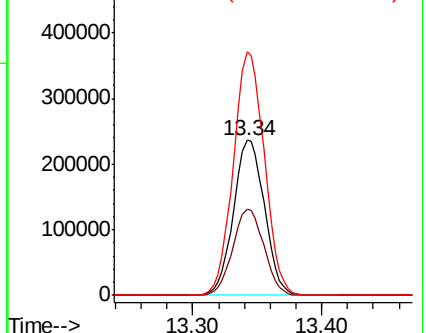
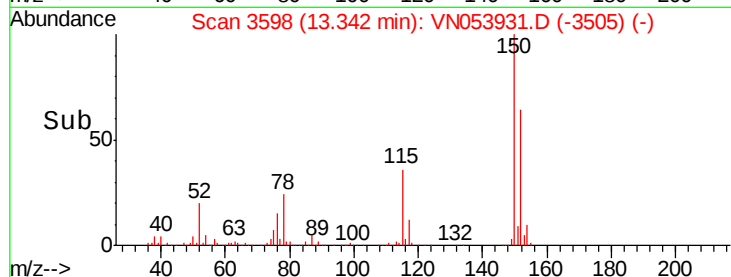
150 156.9 0.0 348.2



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



#74

N-ethyl acetate

Concen: 0.238 ug/l

RT: 12.07 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Tgt Ion: 43 Resp: 1916

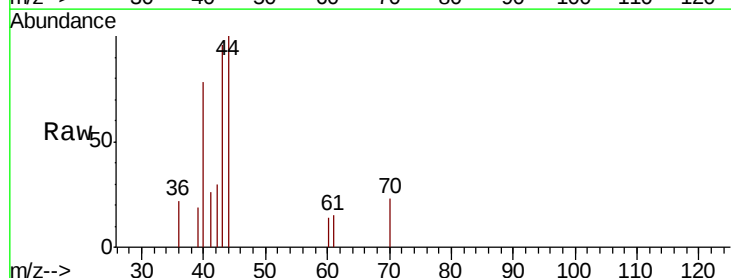
Ion Ratio Lower Upper

43 100

70 0.0 37.4 56.2#

55 5.6 21.4 32.0#

61 5.2 20.9 31.3#

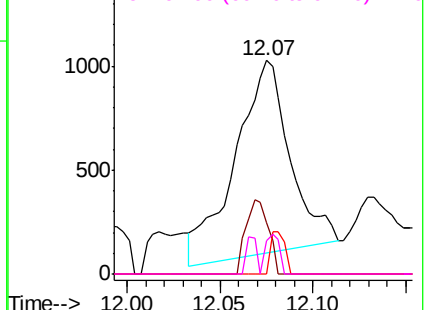
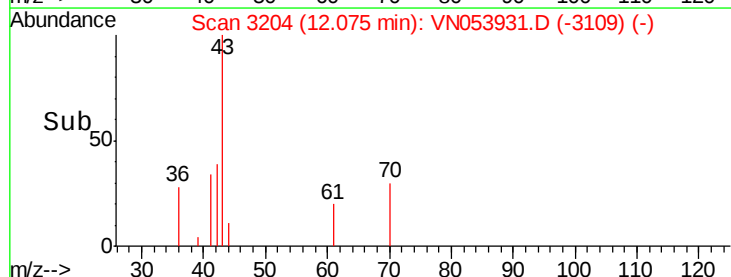


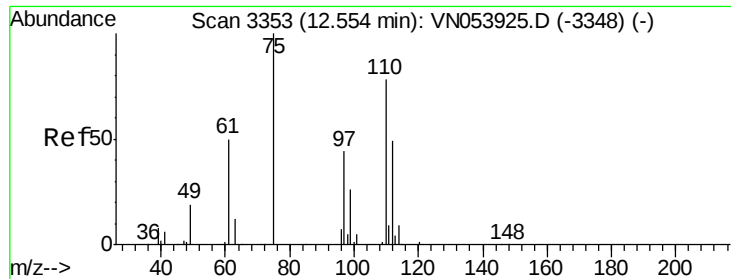
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 35.077 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampled :

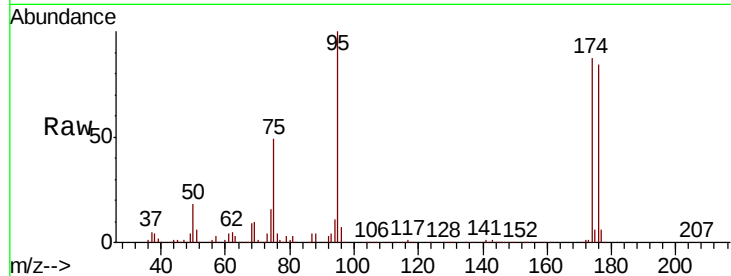
VN0225WBL01

Tgt Ion: 75 Resp: 222382

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

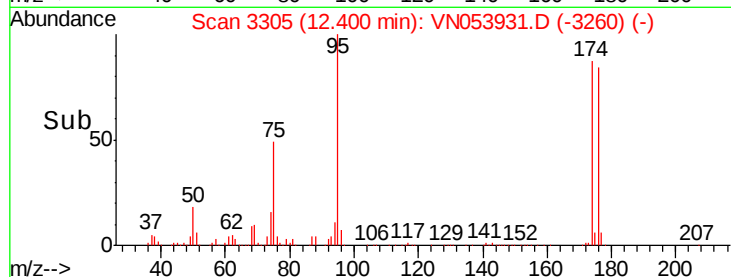
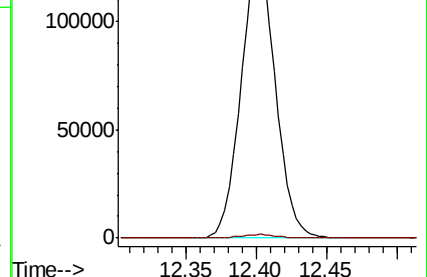
120000

100000

50000

0

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 110.865 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

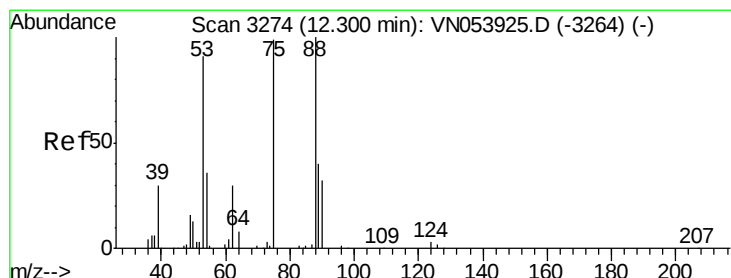
Tgt Ion: 75 Resp: 222382

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

150000

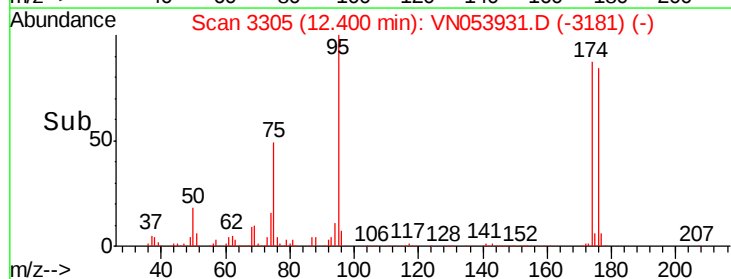
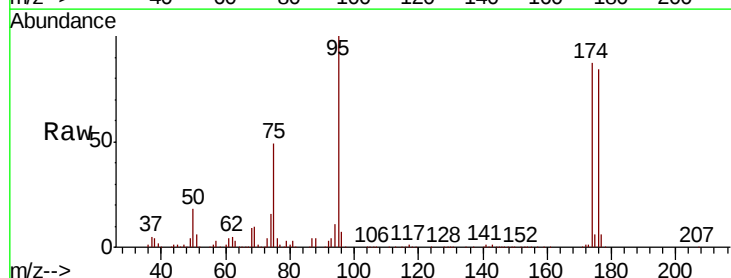
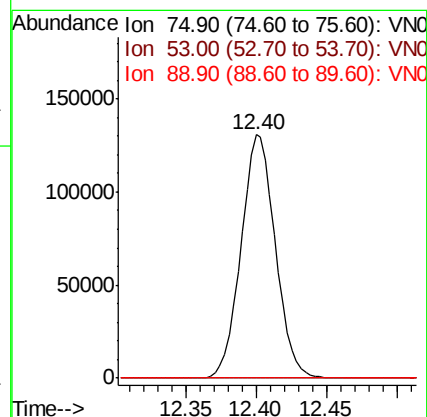
120000

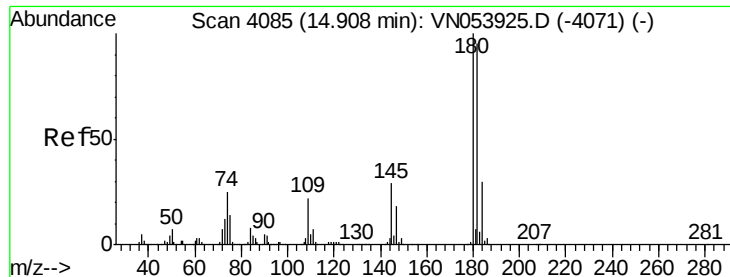
100000

50000

0

12.35 12.40 12.45

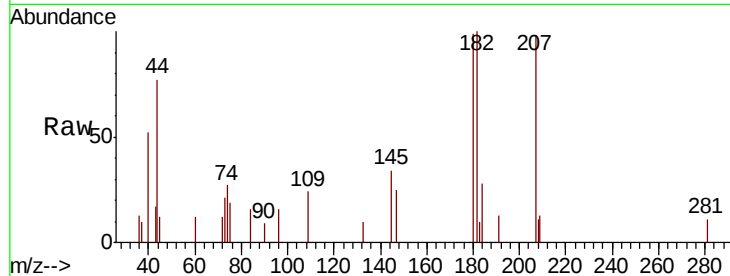




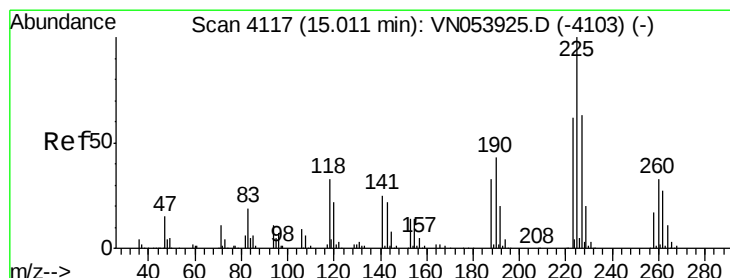
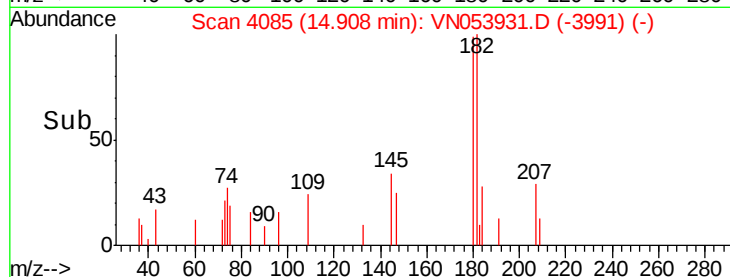
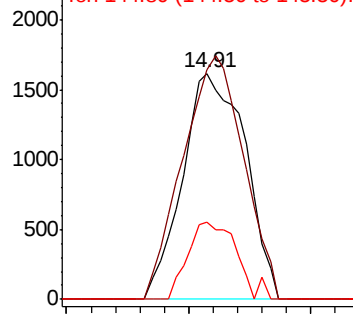
#93
 1,2,4-Trichlorobenzene
 Concen: 2.602 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Tgt Ion:180 Resp: 2883
 Ion Ratio Lower Upper
 180 100
 182 104.9 48.6 145.9
 145 26.5 13.8 41.3

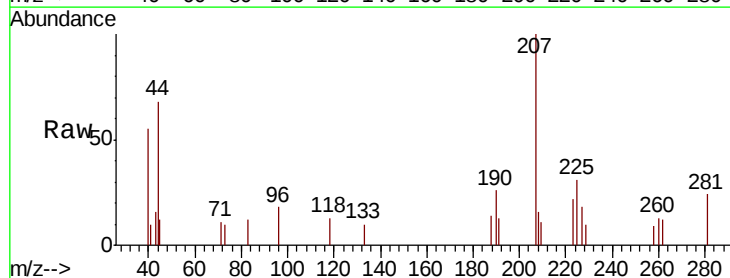


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

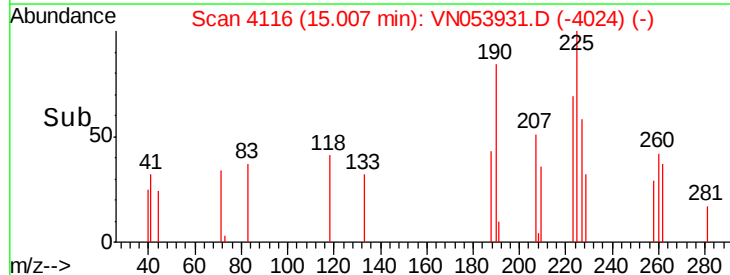
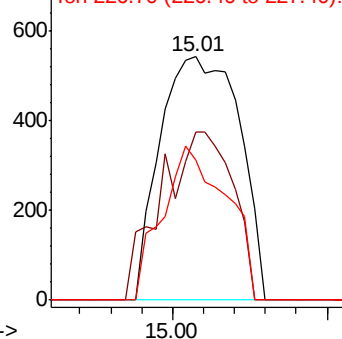


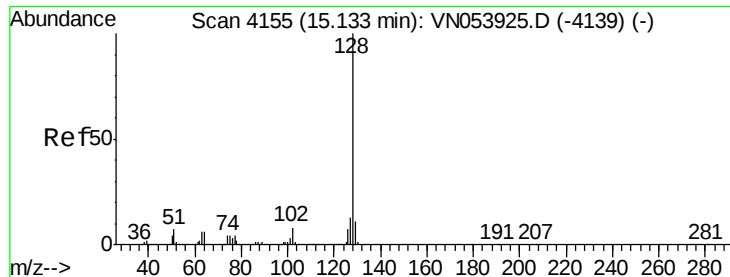
#94
 Hexachlorobutadiene
 Concen: 0.205 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053931.D
 Acq: 25 Feb 2019 15:56

Tgt Ion:225 Resp: 968
 Ion Ratio Lower Upper
 225 100
 223 63.0 30.9 92.5
 227 51.4 32.5 97.4



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: 3.761 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

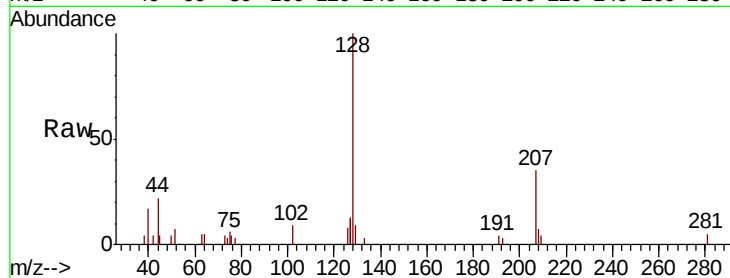
Tgt Ion:128 Resp: 9178

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

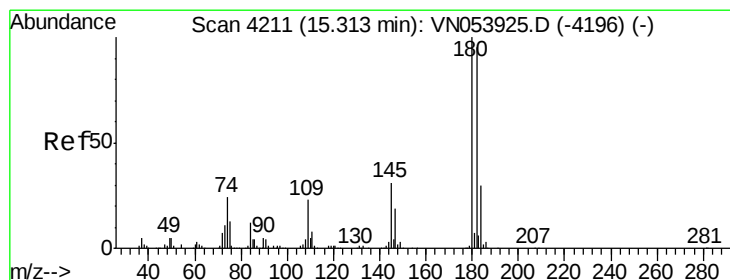
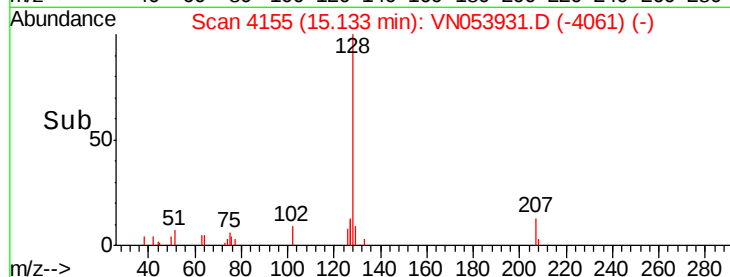
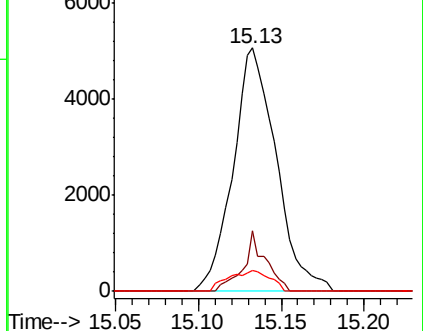
129 8.3 8.6 12.8#



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: 2.113 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053931.D

Acq: 25 Feb 2019 15:56

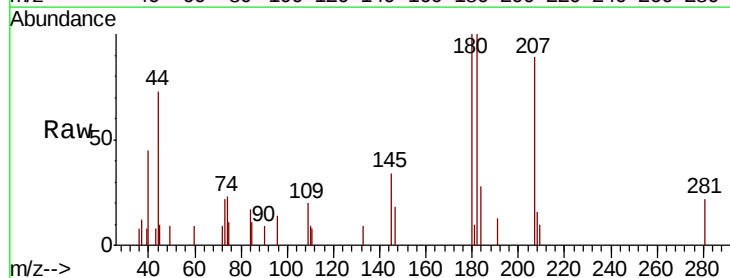
Tgt Ion:180 Resp: 3992

Ion Ratio Lower Upper

180 100

182 91.0 47.3 141.8

145 26.9 14.4 43.0



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

