

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055926.D
 Acq On : 31 May 2019 18:04
 Operator : JC/SP
 Sample : K3129-03 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS032MW008-190528

Quant Time: Jun 01 02:03:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	347700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	476218	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	155856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	191239	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.59	113	165732	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
50) Toluene-d8	10.09	98	662756	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.40	95	209077	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	

Target Compounds

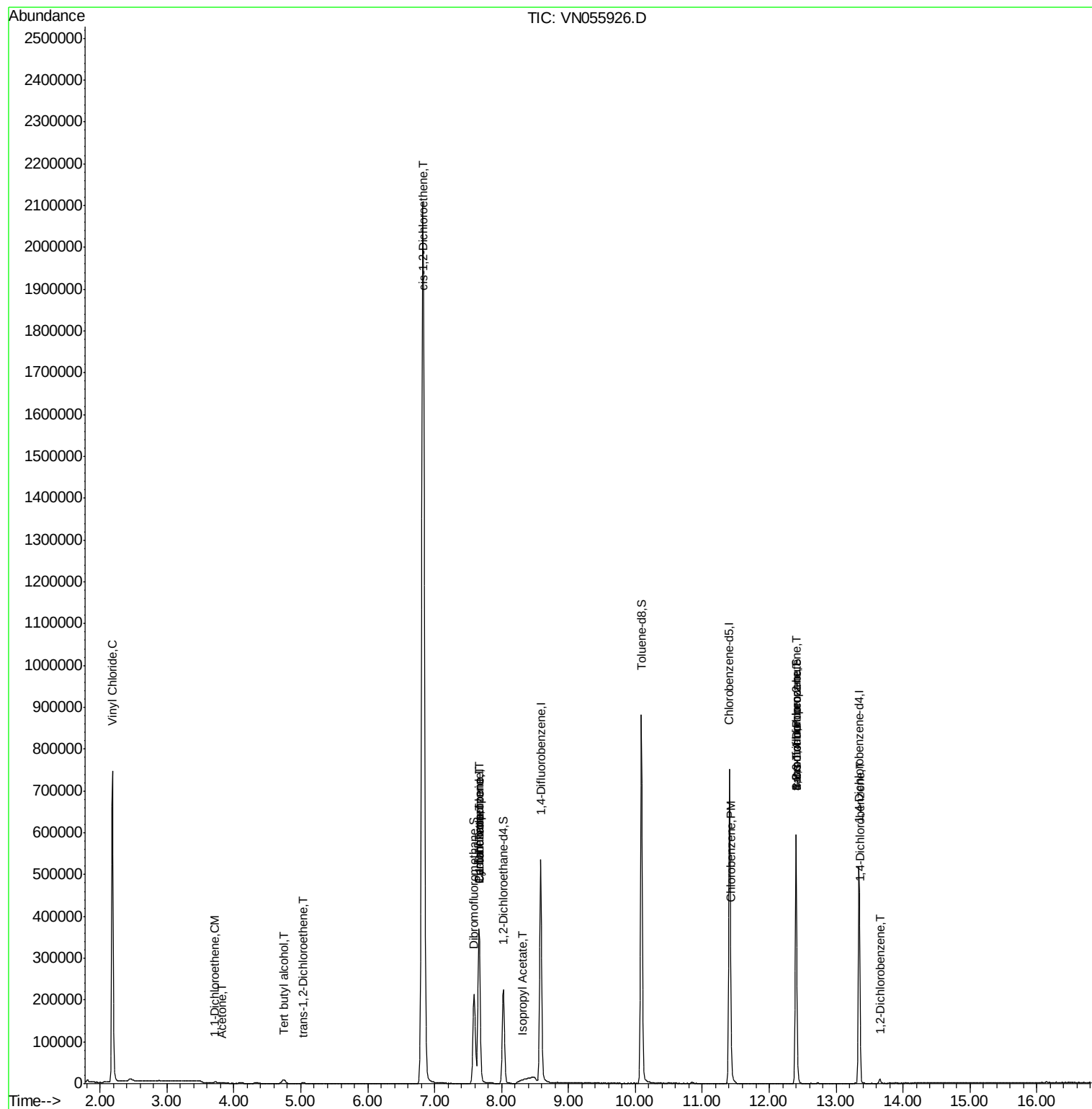
						Qvalue
4) Vinyl Chloride	2.19	62	708127	202.497	ug/l	100
11) Tert butyl alcohol	4.75	59	9286	13.535	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	2252	0.762	ug/l	92
16) Acetone	3.82	43	1299	0.823	ug/l #	41
18) Methyl Acetate	4.33	43	3602	Below Cal	#	83
21) trans-1,2-Dichloroethene	5.02	96	1577	0.496	ug/l #	52
27) cis-1,2-Dichloroethene	6.82	96	1506375	406.426	ug/l	90
31) Cyclohexane	7.66	56	5108	0.948	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	21699	4.747	ug/l #	47
38) Carbon Tetrachloride	7.66	117	28572	6.001	ug/l #	15
43) Isopropyl Acetate	8.31	43	11497	1.549	ug/l #	53
65) Chlorobenzene	11.43	112	23438	2.459	ug/l	97
71) Bromoform	12.40	173	1381	0.426	ug/l #	1
74) N-amyl acetate	12.07	43	138	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.40	75	96333	34.948	ug/l #	100
79) 2-Chlorotoluene	12.40	91	557	Below Cal	#	39
81) trans-1,4-Dichloro-2-buten	12.40	75	96333	83.163	ug/l #	15
88) 1,4-Dichlorobenzene	13.36	146	1763	0.352	ug/l #	19
91) 1,2-Dichlorobenzene	13.65	146	5771	1.098	ug/l	97

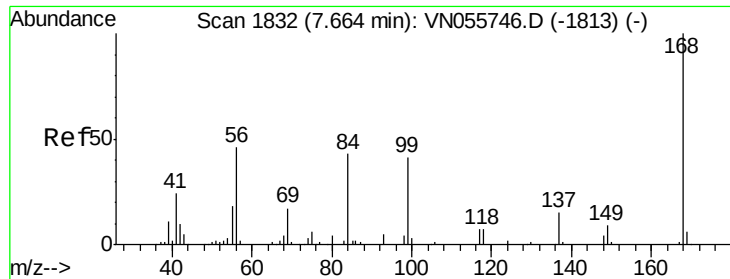
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

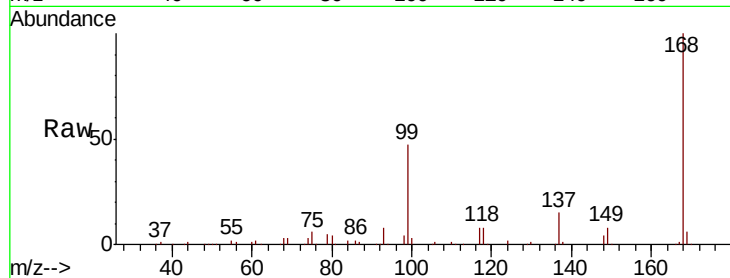
SS032MW008-190528

Tot Ion:168 Resp: 347700

Ion Ratio Lower Upper

168 100

99 47.1 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

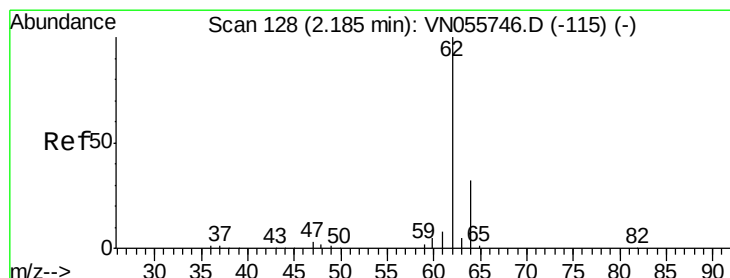
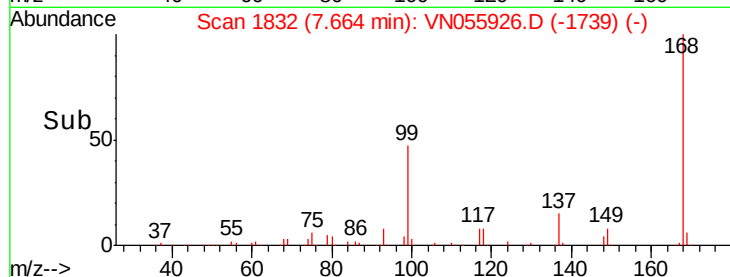
100000

50000

0

Time-->

7.60 7.70 7.80



#4

Vinyl Chloride

Concen: 202.497 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055926.D

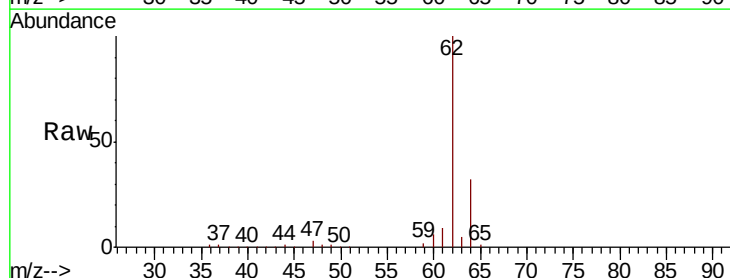
Acq: 31 May 2019 18:04

Tgt Ion: 62 Resp: 708127

Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

500000

400000

300000

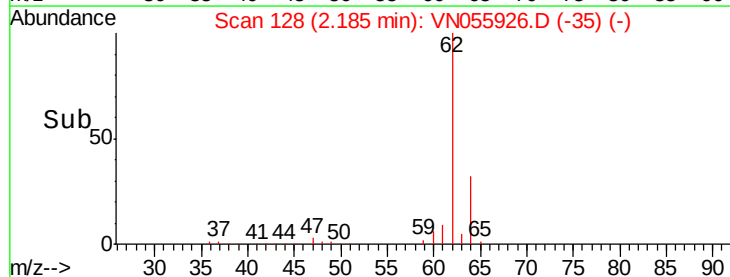
200000

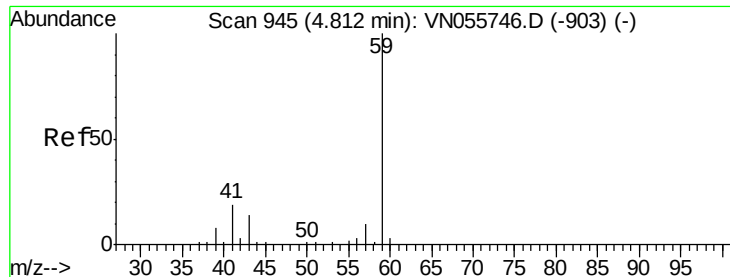
100000

0

Time-->

2.10 2.20 2.30



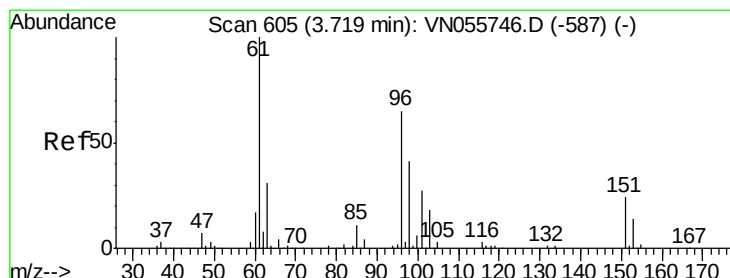
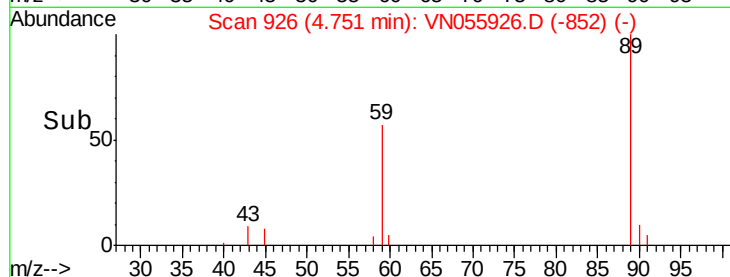
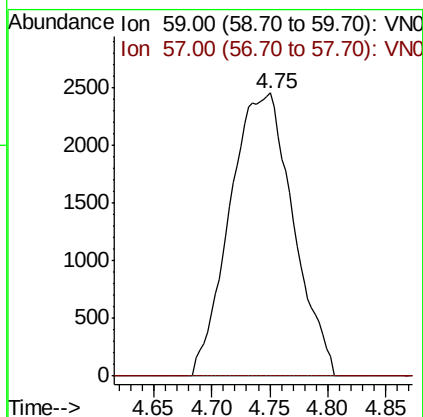
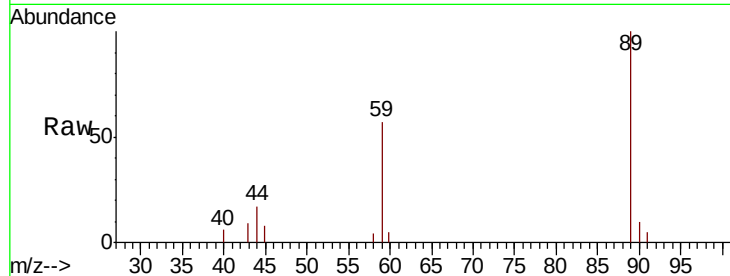


#11

Tert butyl alcohol
Concen: 13.535 ug/l
RT: 4.75 min Scan# 926
Delta R.T. -0.06 min
Lab File: VN055926.D
Acq: 31 May 2019 18:04

Instrument :
MSVOA_N
ClientSampleId :
SS032MW008-190528

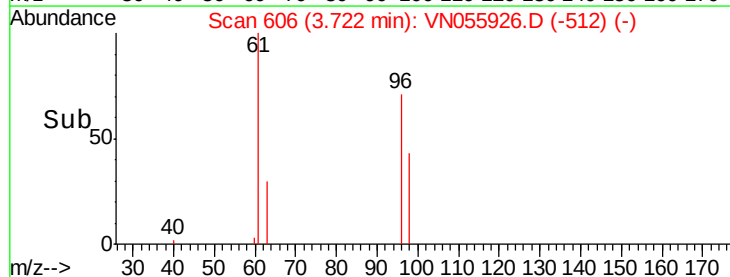
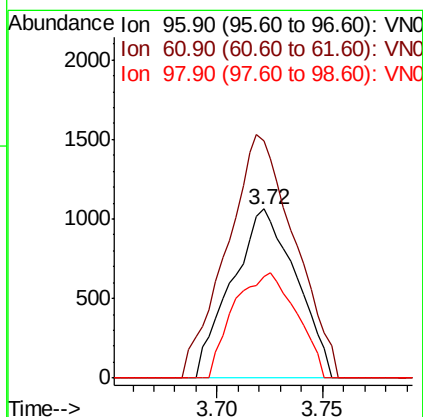
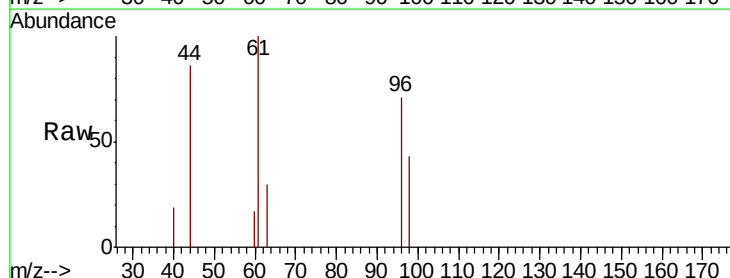
Tot Ion: 59 Resp: 9286
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

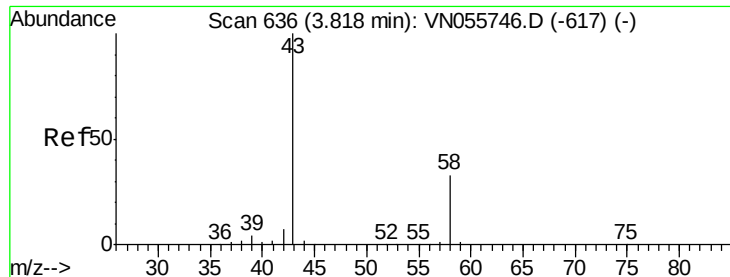


#12

1,1-Dichloroethene
Concen: 0.762 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055926.D
Acq: 31 May 2019 18:04

Tgt Ion: 96 Resp: 2252
Ion Ratio Lower Upper
96 100
61 140.7 123.2 184.8
98 60.1 50.4 75.6





#16

Acetone

Concen: 0.823 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

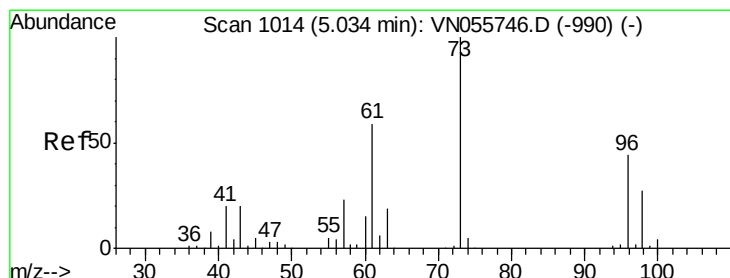
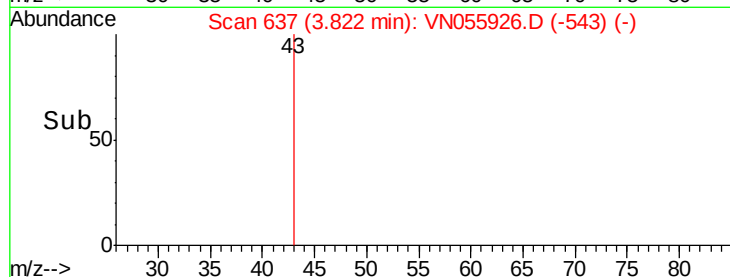
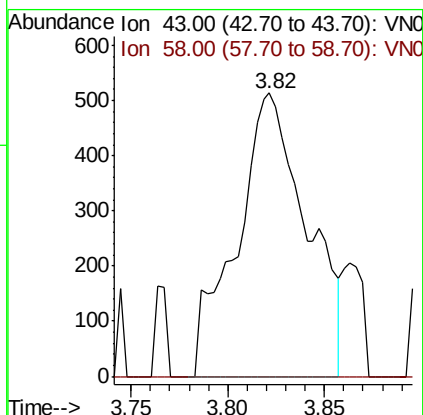
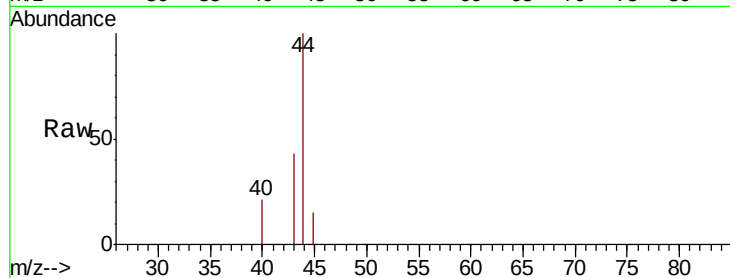
SS032MW008-190528

Tot Ion: 43 Resp: 1299

Ion Ratio Lower Upper

43 100

58 0.0 26.6 39.8#



#21

trans-1,2-Dichloroethene

Concen: 0.496 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

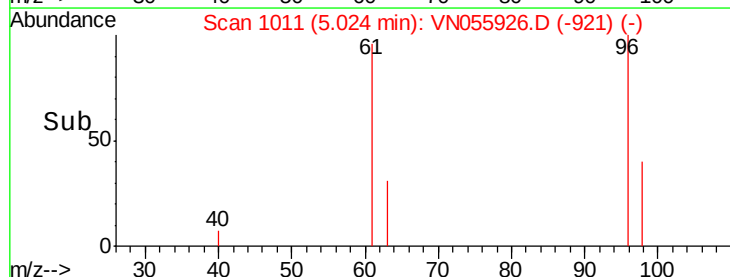
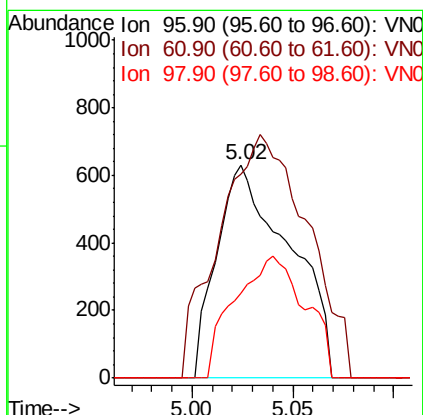
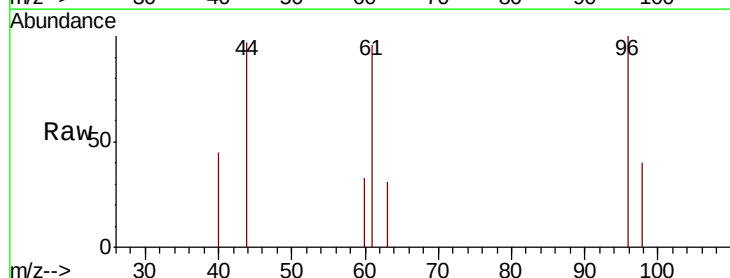
Tgt Ion: 96 Resp: 1577

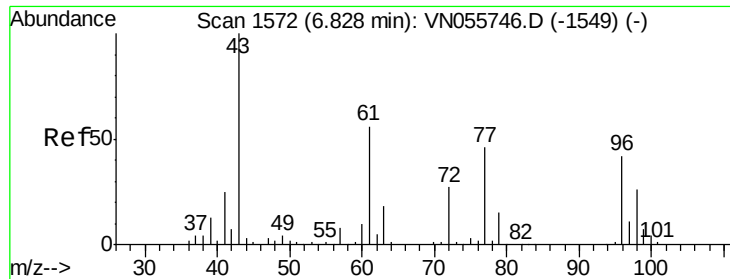
Ion Ratio Lower Upper

96 100

61 67.0 107.8 161.8#

98 39.6 49.8 74.8#





#27

cis-1,2-Dichloroethene

Concen: 406.426 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

SS032MW008-190528

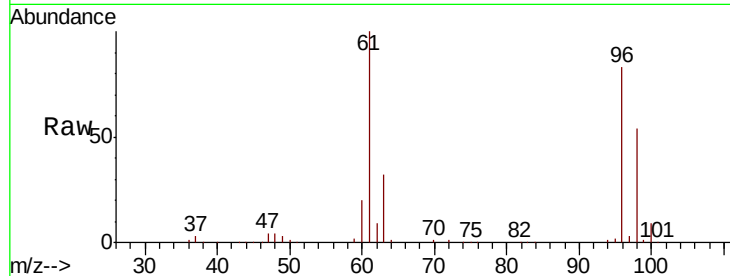
Tot Ion: 96 Resp: 1506375

Ion Ratio Lower Upper

96 100

61 120.8 0.0 275.8

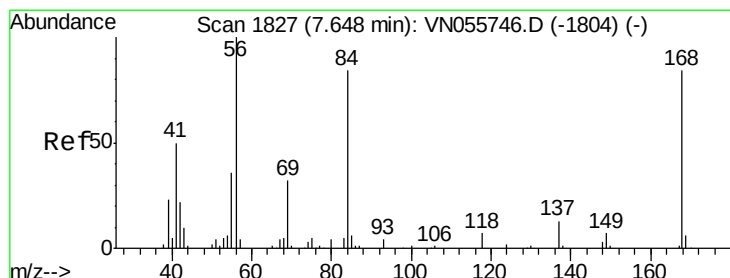
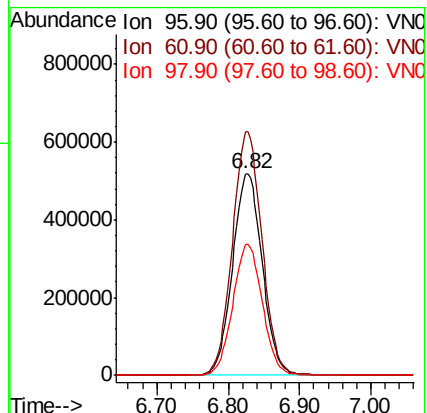
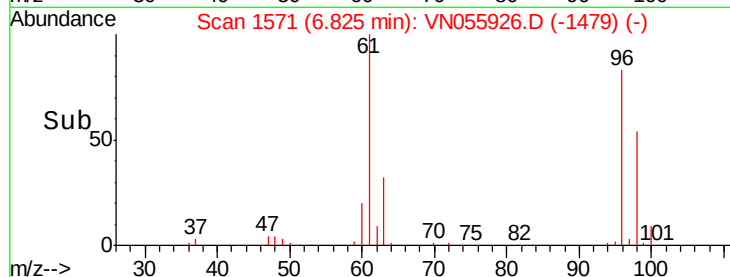
98 64.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 0.948 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

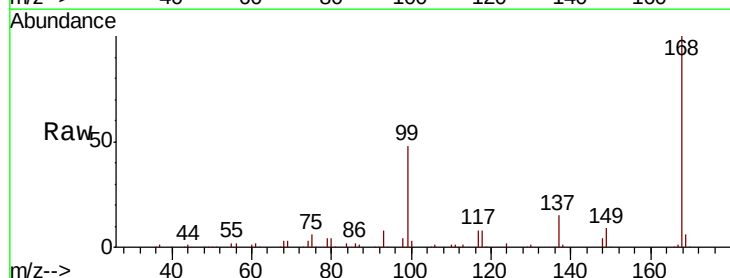
Tgt Ion: 56 Resp: 5108

Ion Ratio Lower Upper

56 100

69 187.0 25.6 38.4#

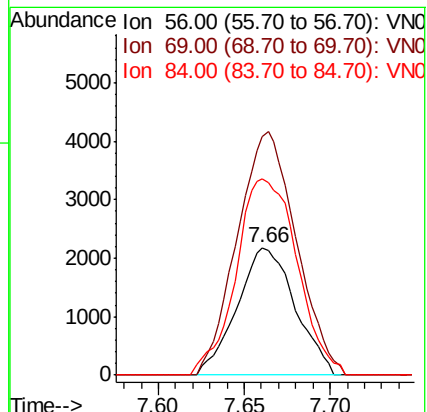
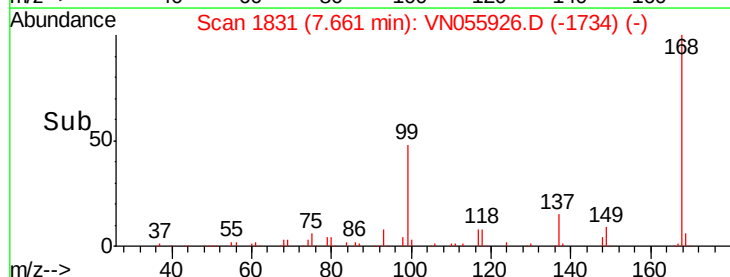
84 153.7 67.4 101.0#

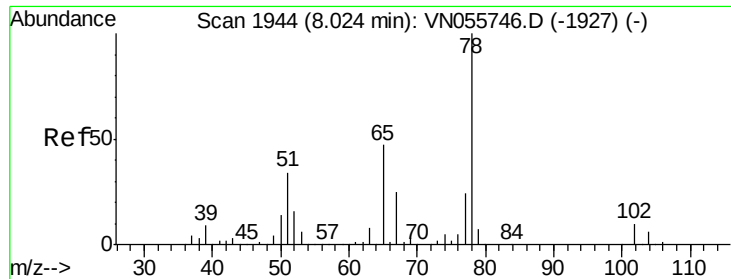


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

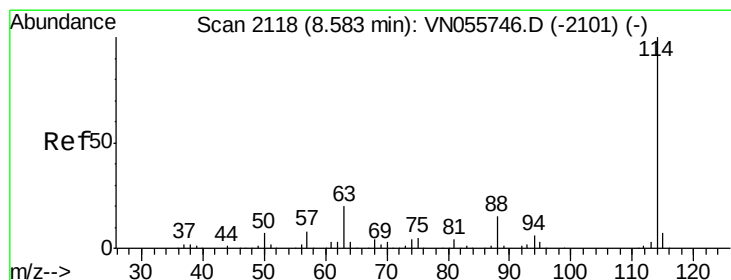
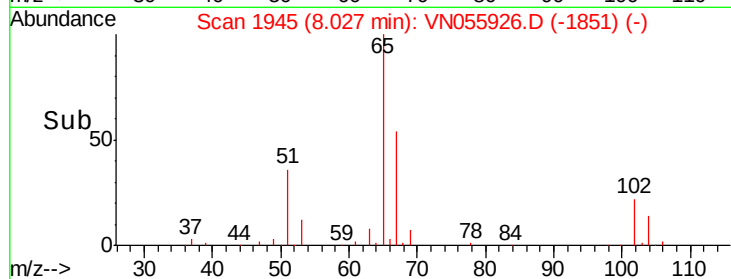
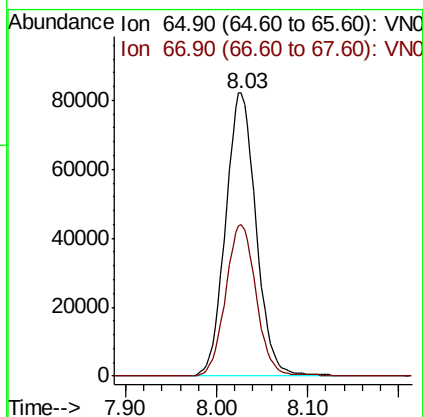
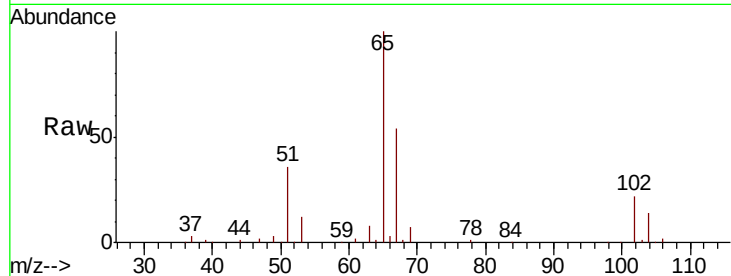




#33
 1,2-Dichloroethane-d4
 Concen: 53.259 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

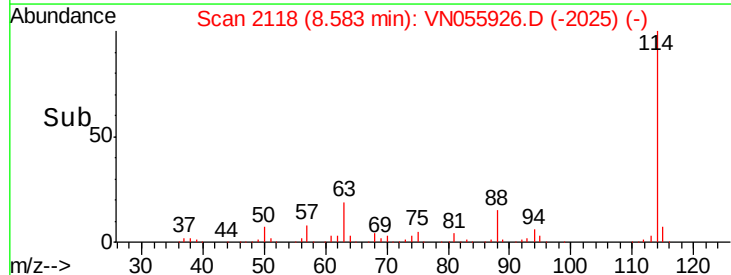
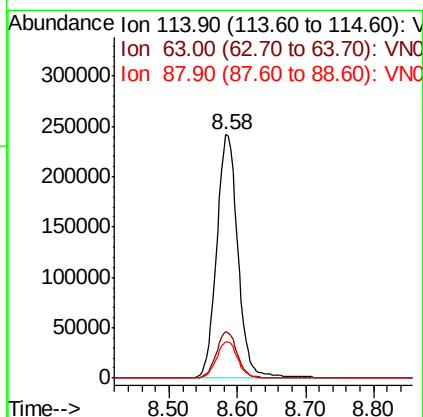
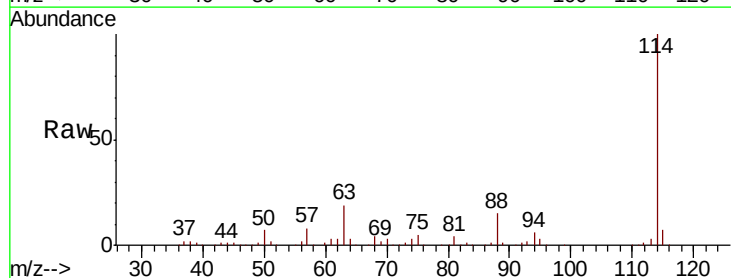
Instrument :
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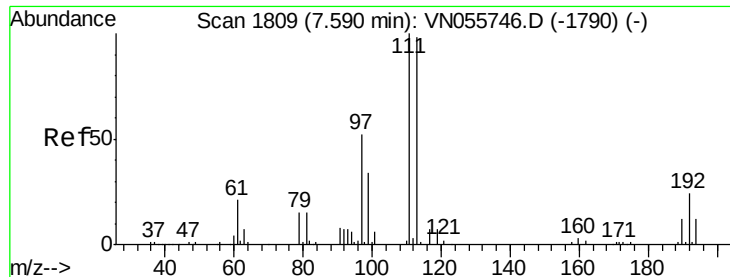
Tot Ion: 65 Resp: 191239
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

Tgt Ion: 114 Resp: 524501
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.0 0.0 31.0

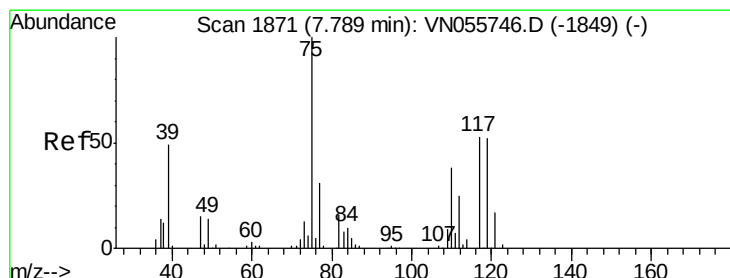
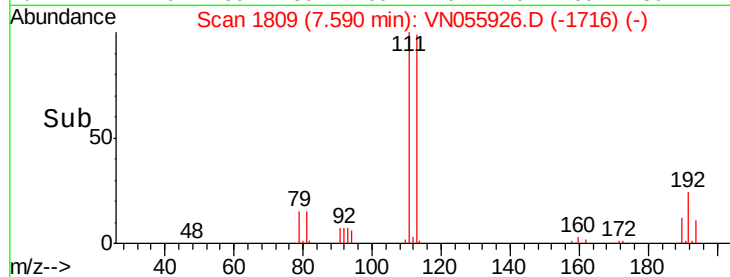
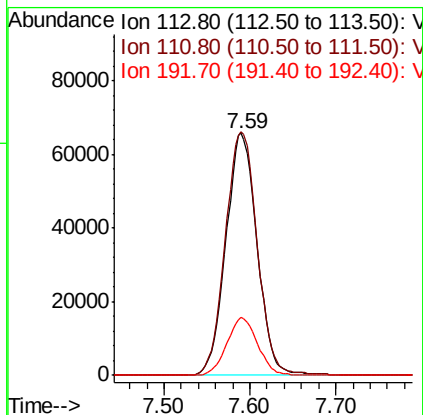
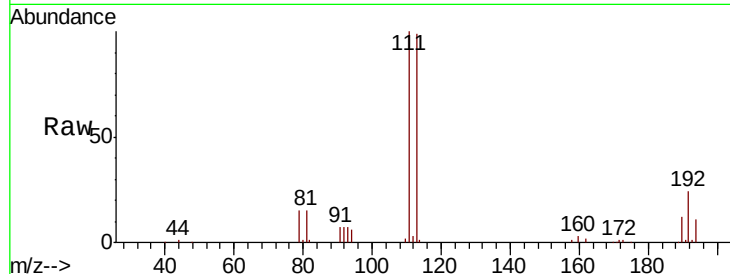




#35
 Dibromofluoromethane
 Concen: 49.978 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

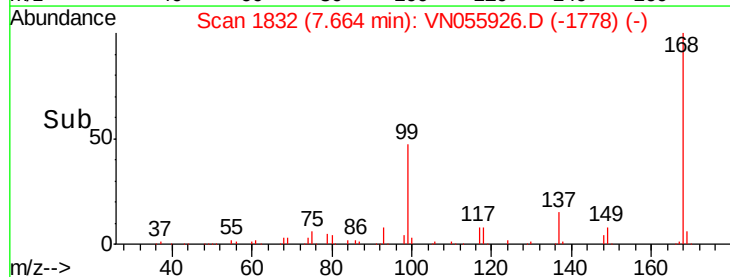
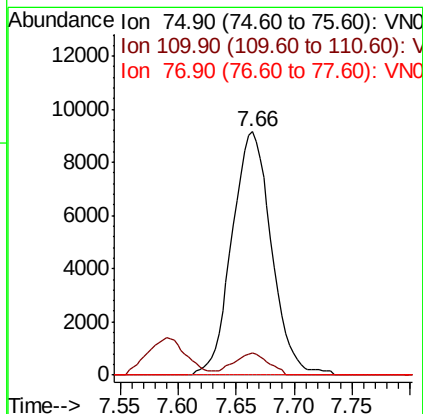
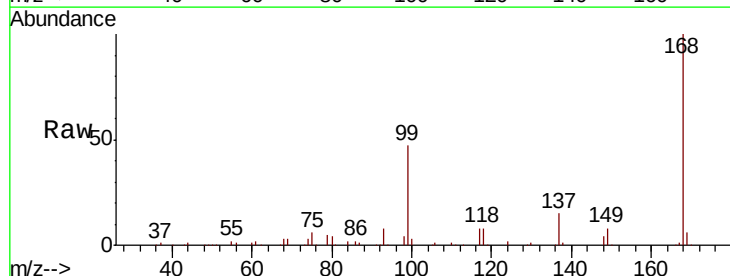
Instrument :
 MSVOA_N
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 SS032MW008-190528

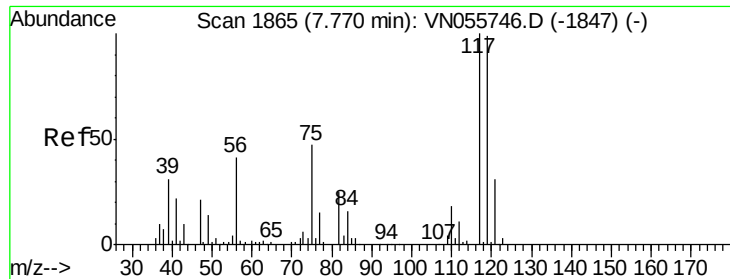
Tot Ion:113 Resp: 165732
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.9 122.9
 192 23.4 19.5 29.3



#36
 1,1-Dichloropropene
 Concen: 4.747 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

Tgt Ion: 75 Resp: 21699
 Ion Ratio Lower Upper
 75 100
 110 8.0 19.0 57.0#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.001 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

SS032MW008-190528

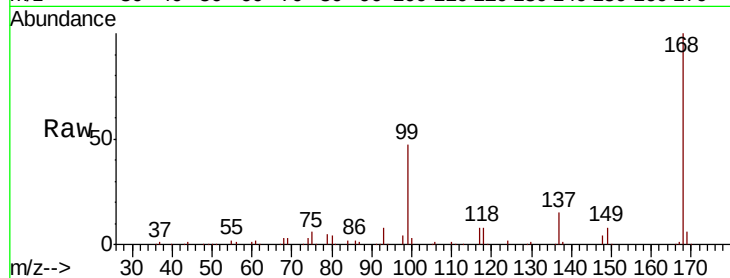
Tot Ion:117 Resp: 28572

Ion Ratio Lower Upper

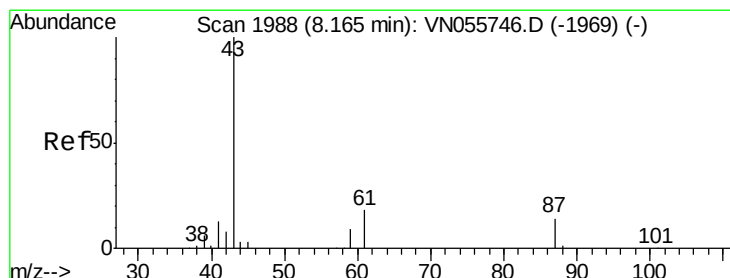
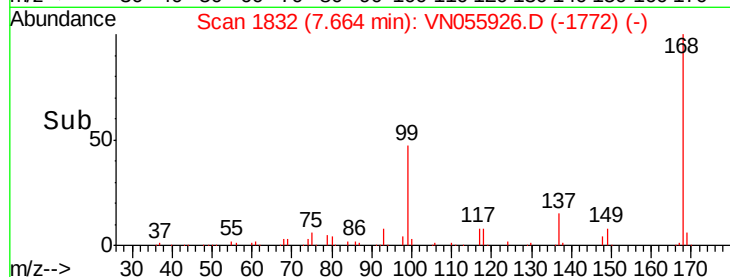
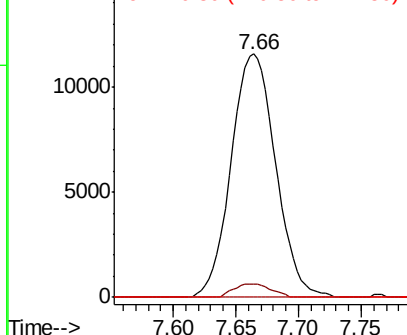
117 100

119 5.6 79.0 118.6#

121 0.0 24.7 37.1#



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: 1.549 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

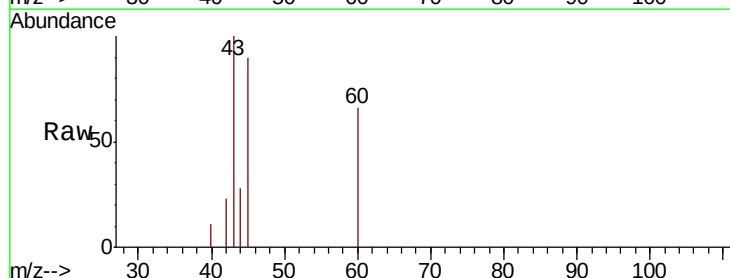
Tgt Ion: 43 Resp: 11497

Ion Ratio Lower Upper

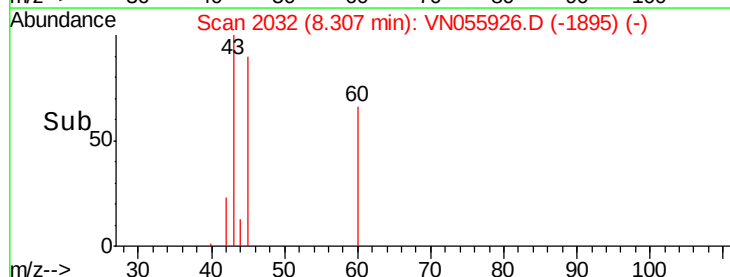
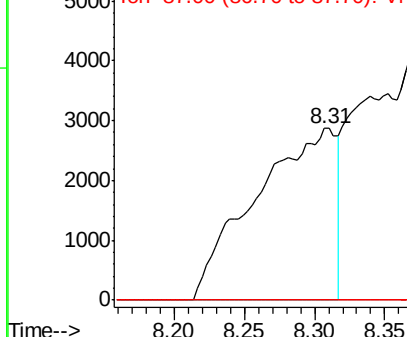
43 100

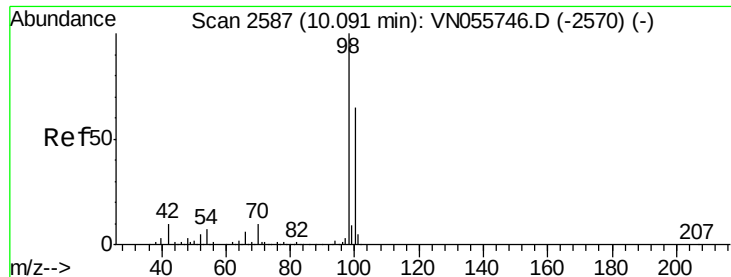
61 0.0 22.2 33.4#

87 0.0 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 52.103 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

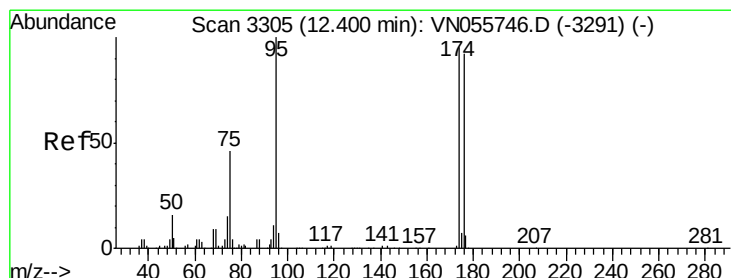
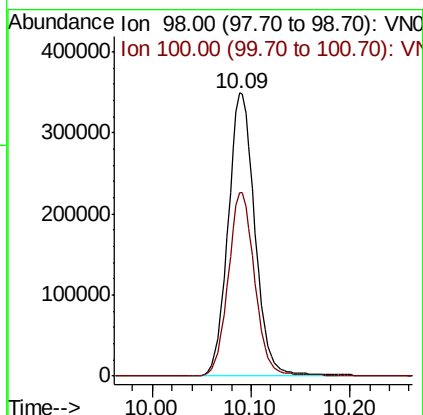
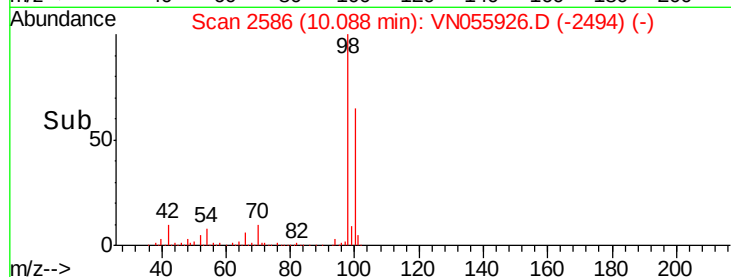
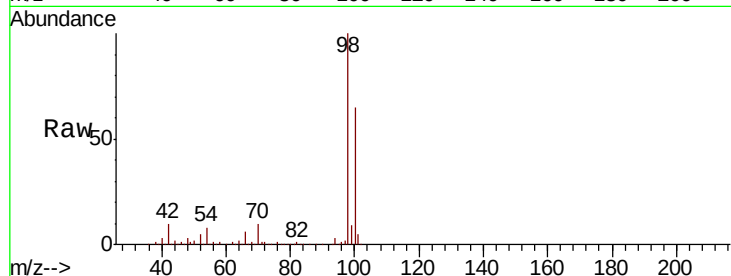
SS032MW008-190528

Tot Ion: 98 Resp: 662756

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 47.936 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

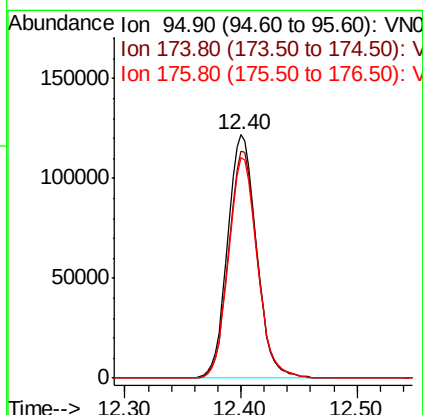
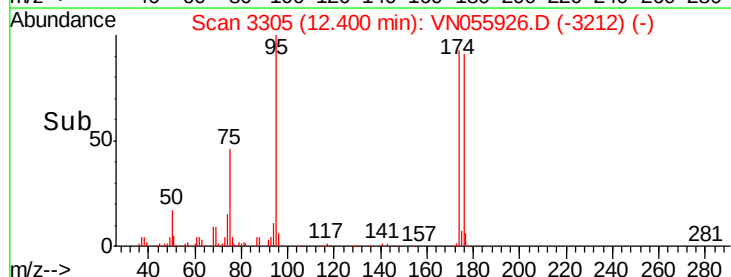
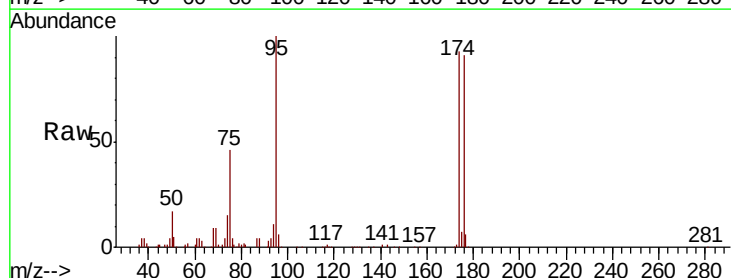
Tgt Ion: 95 Resp: 209077

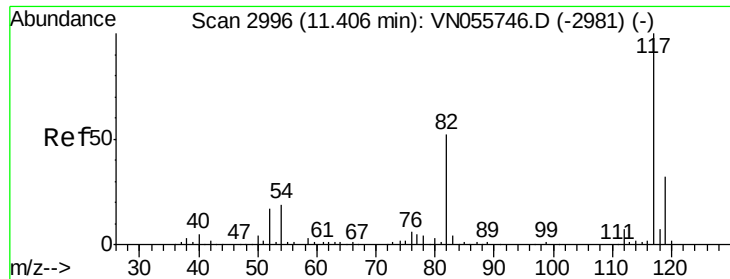
Ion Ratio Lower Upper

95 100

174 92.8 0.0 191.0

176 90.0 0.0 185.2

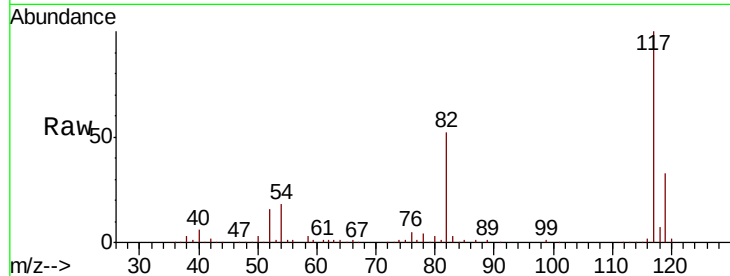




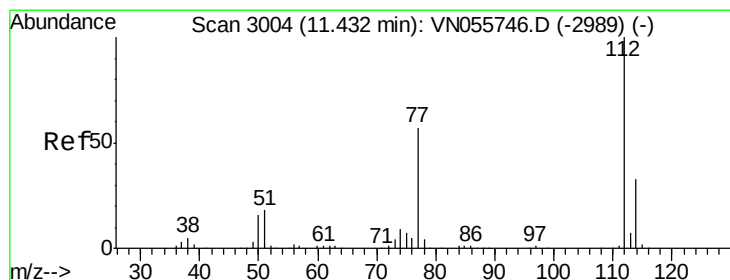
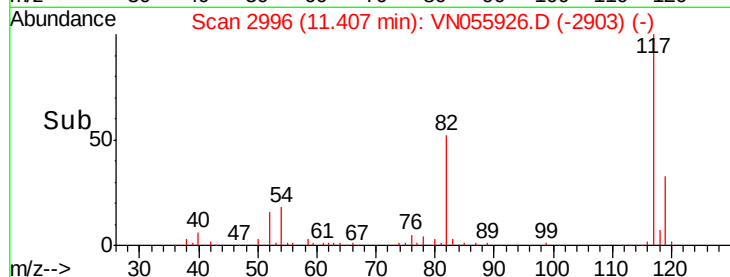
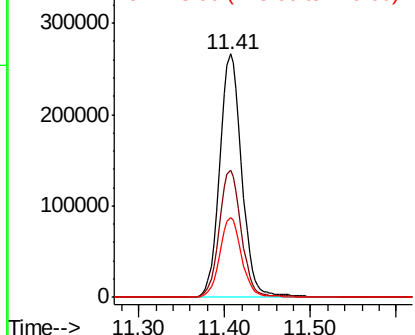
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055926.D
Acq: 31 May 2019 18:04

Instrument :
MSVOA_N
ClientSampleId :
SS032MW008-190528

Tot Ion:117 Resp: 476218
Ion Ratio Lower Upper
117 100
82 52.0 41.8 62.8
119 32.5 25.4 38.0

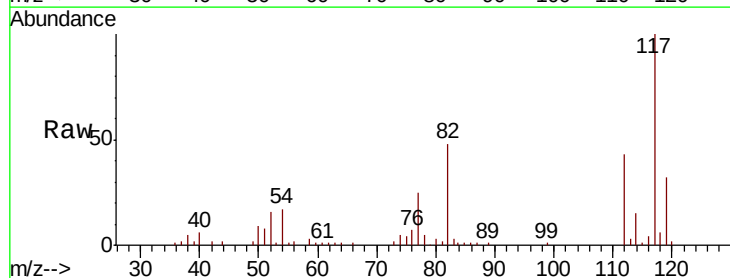


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

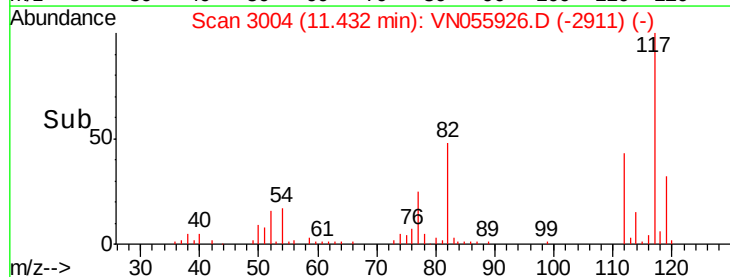
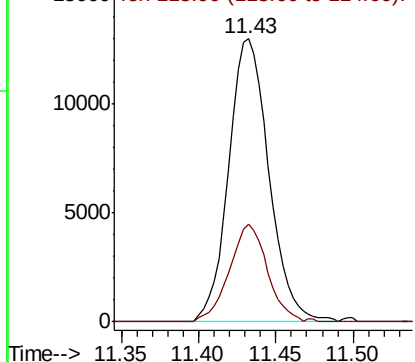


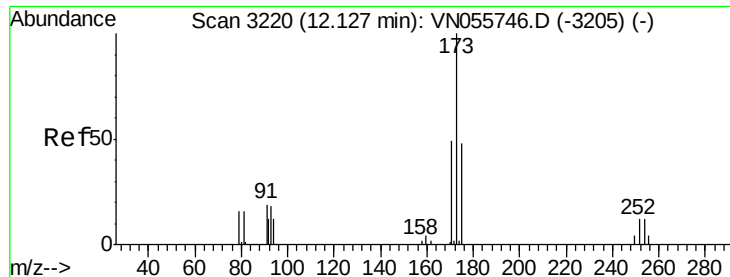
#65
Chlorobenzene
Concen: 2.459 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055926.D
Acq: 31 May 2019 18:04

Tgt Ion:112 Resp: 23438
Ion Ratio Lower Upper
112 100
114 34.3 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.426 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

SS032MW008-190528

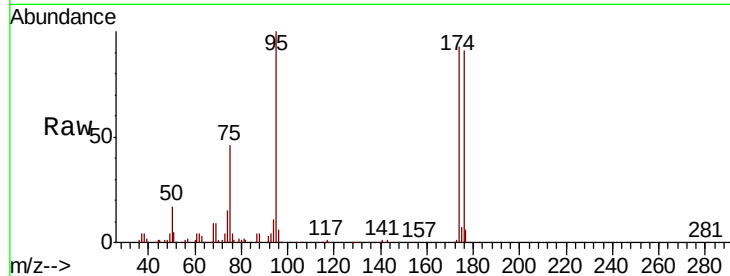
Tot Ion:173 Resp: 1381

Ion Ratio Lower Upper

173 100

175 891.8 24.3 72.8#

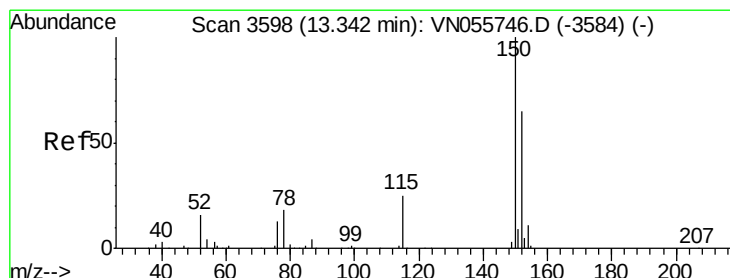
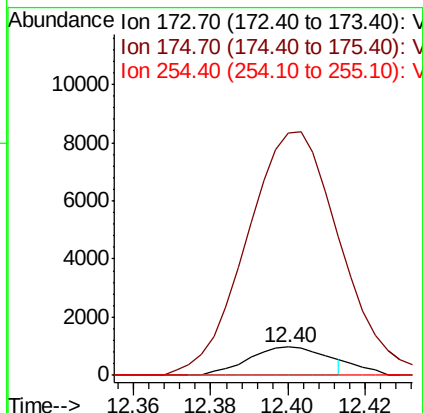
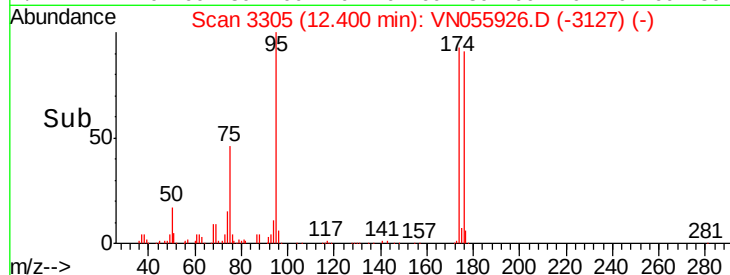
254 0.0 0.0 0.0



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: VN055926.D

Acq: 31 May 2019 18:04

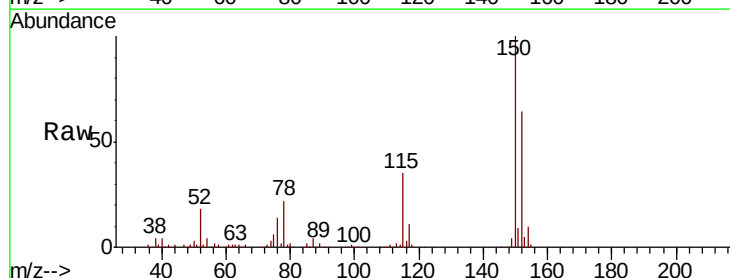
Tgt Ion:152 Resp: 155856

Ion Ratio Lower Upper

152 100

115 54.2 27.0 81.0

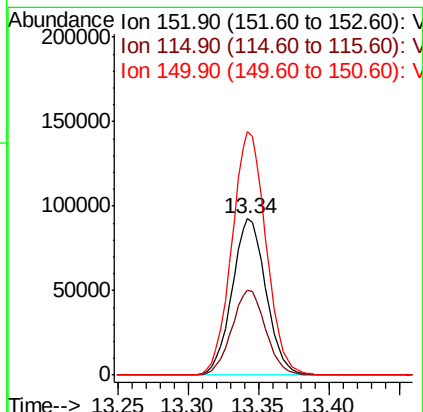
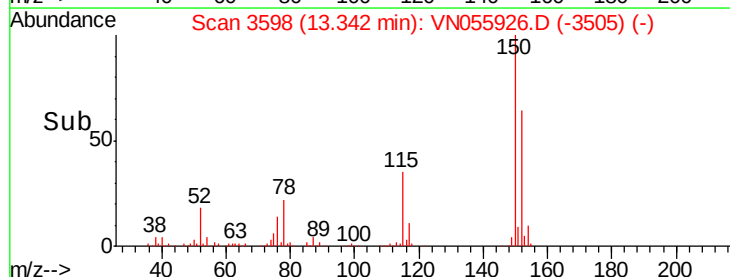
150 156.4 0.0 343.2

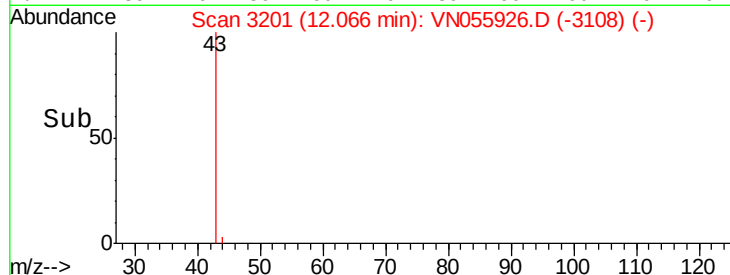
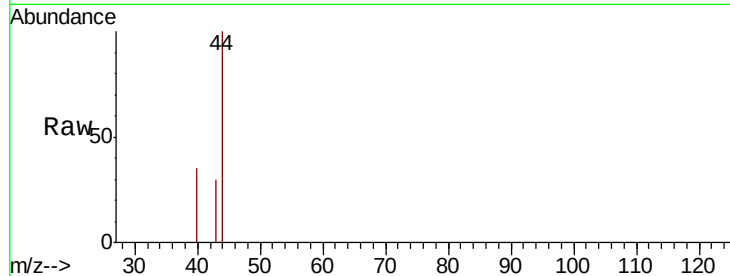
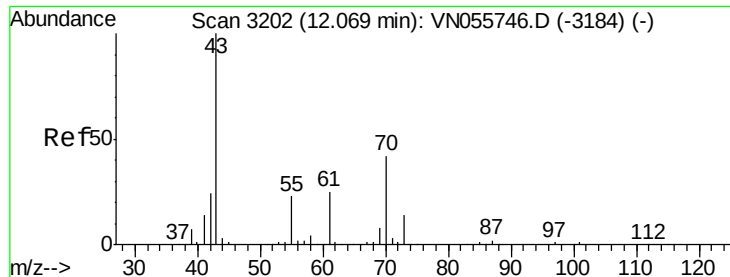


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

SS032MW008-190528

Tot Ion: 43 Resp: 138

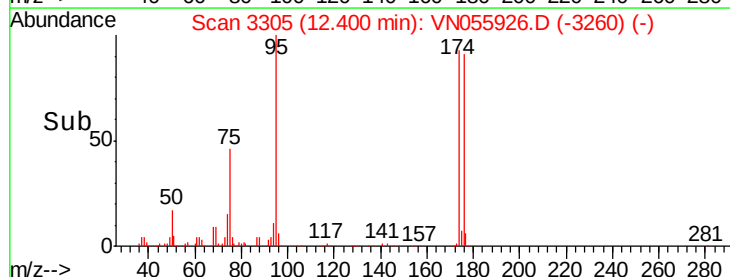
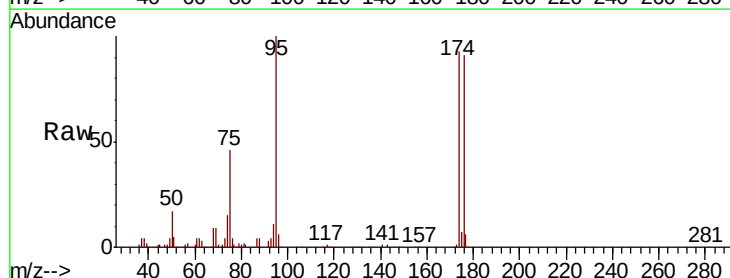
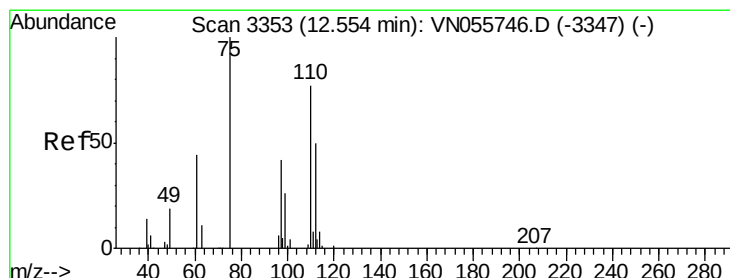
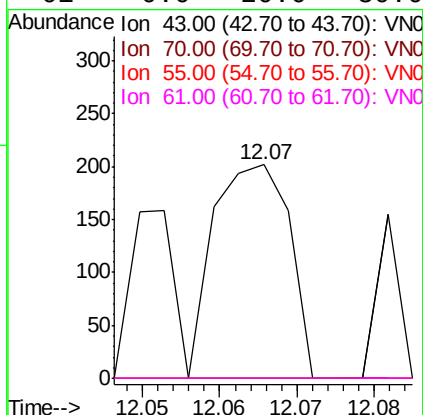
Ion Ratio Lower Upper

43 100

70 0.0 34.0 51.0#

55 0.0 18.6 28.0#

61 0.0 20.0 30.0#



#76

1,2,3-Trichloropropane

Concen: 34.948 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055926.D

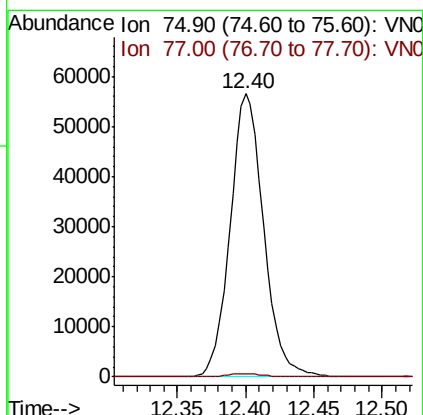
Acq: 31 May 2019 18:04

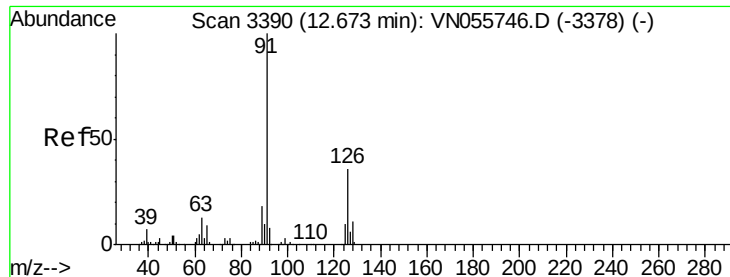
Tgt Ion: 75 Resp: 96333

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.27 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

Instrument :

MSVOA_N

ClientSampleId :

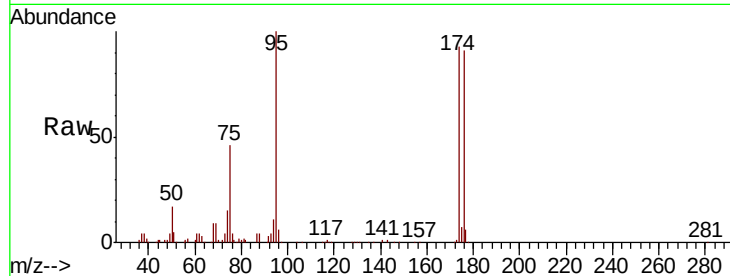
SS032MW008-190528

Tot Ion: 91 Resp: 557

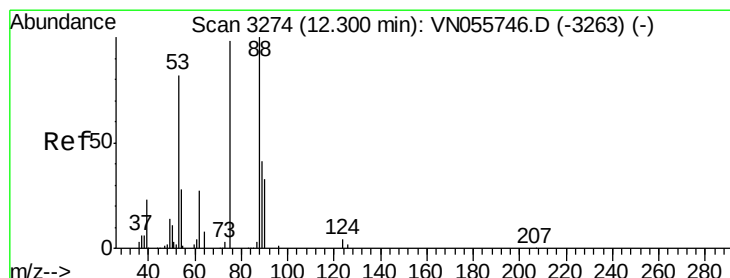
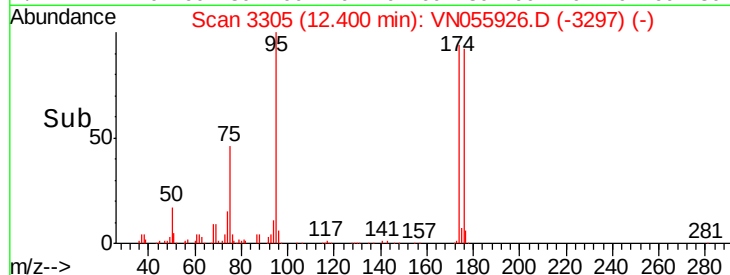
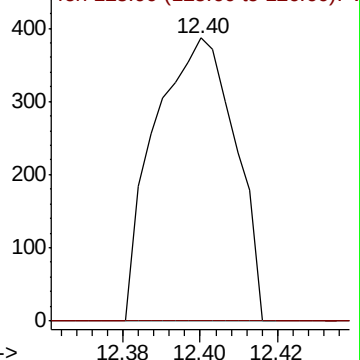
Ion Ratio Lower Upper

91 100

126 0.0 18.1 54.4#



Abundance Ion 91.00 (90.70 to 91.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 83.163 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055926.D

Acq: 31 May 2019 18:04

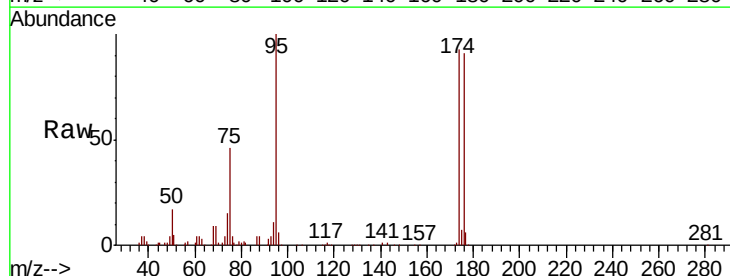
Tgt Ion: 75 Resp: 96333

Ion Ratio Lower Upper

75 100

53 0.0 68.1 102.1#

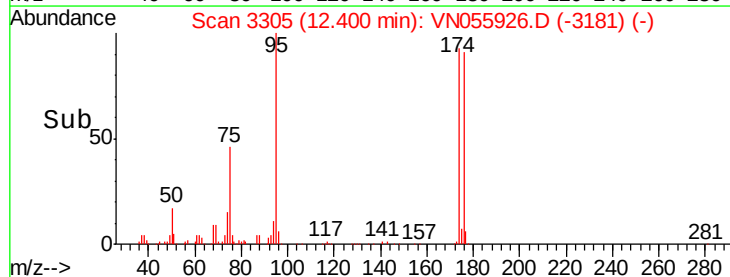
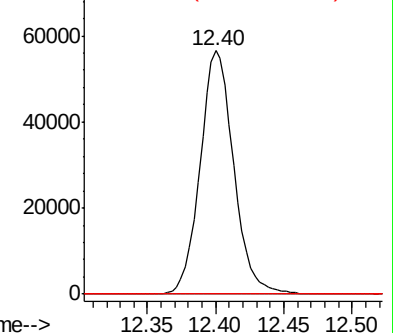
89 0.0 36.9 55.3#

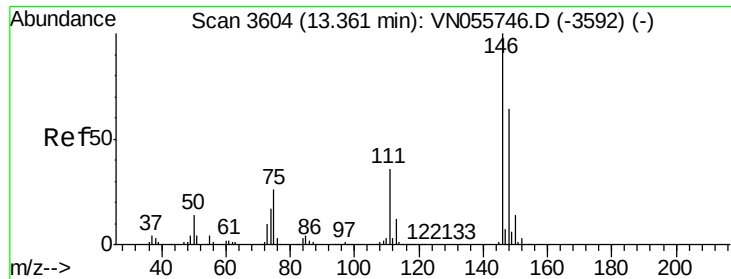


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

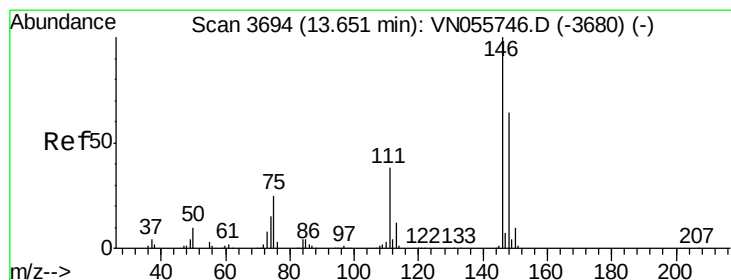
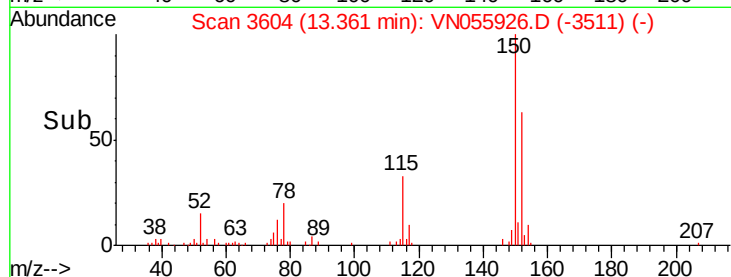
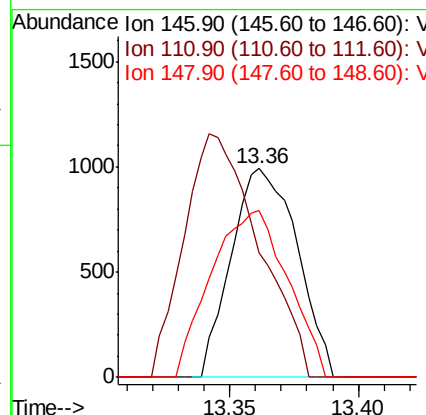
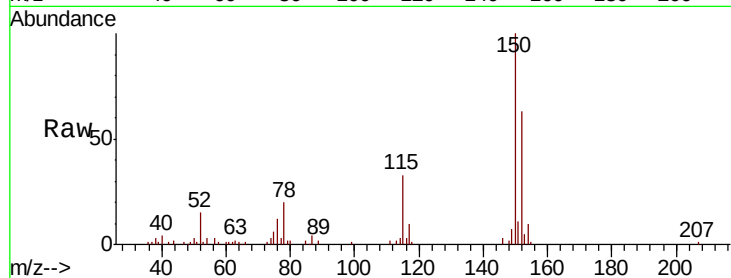




#88
 1,4-Dichlorobenzene
 Concen: 0.352 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

Instrument :
 MSVOA_N
 ClientSampleId :
 SS032MW008-190528

Tot Ion:146 Resp: 1763
 Ion Ratio Lower Upper
 146 100
 111 131.5 18.1 54.4#
 148 92.6 32.1 96.5



#91
 1,2-Dichlorobenzene
 Concen: 1.098 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055926.D
 Acq: 31 May 2019 18:04

Tgt Ion:146 Resp: 5771
 Ion Ratio Lower Upper
 146 100
 111 41.1 19.1 57.5
 148 62.6 31.9 95.9

