

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091219\
 Data File : VN057930.D
 Acq On : 11 Sep 2019 17:58
 Operator : JC/SP
 Sample : PB122748TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB122748TB

Quant Time: Sep 12 02:30:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	311484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	521352	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	246891	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	345494	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.58	113	229783	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
50) Toluene-d8	10.09	98	947688	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.41	95	311501	43.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.50%	

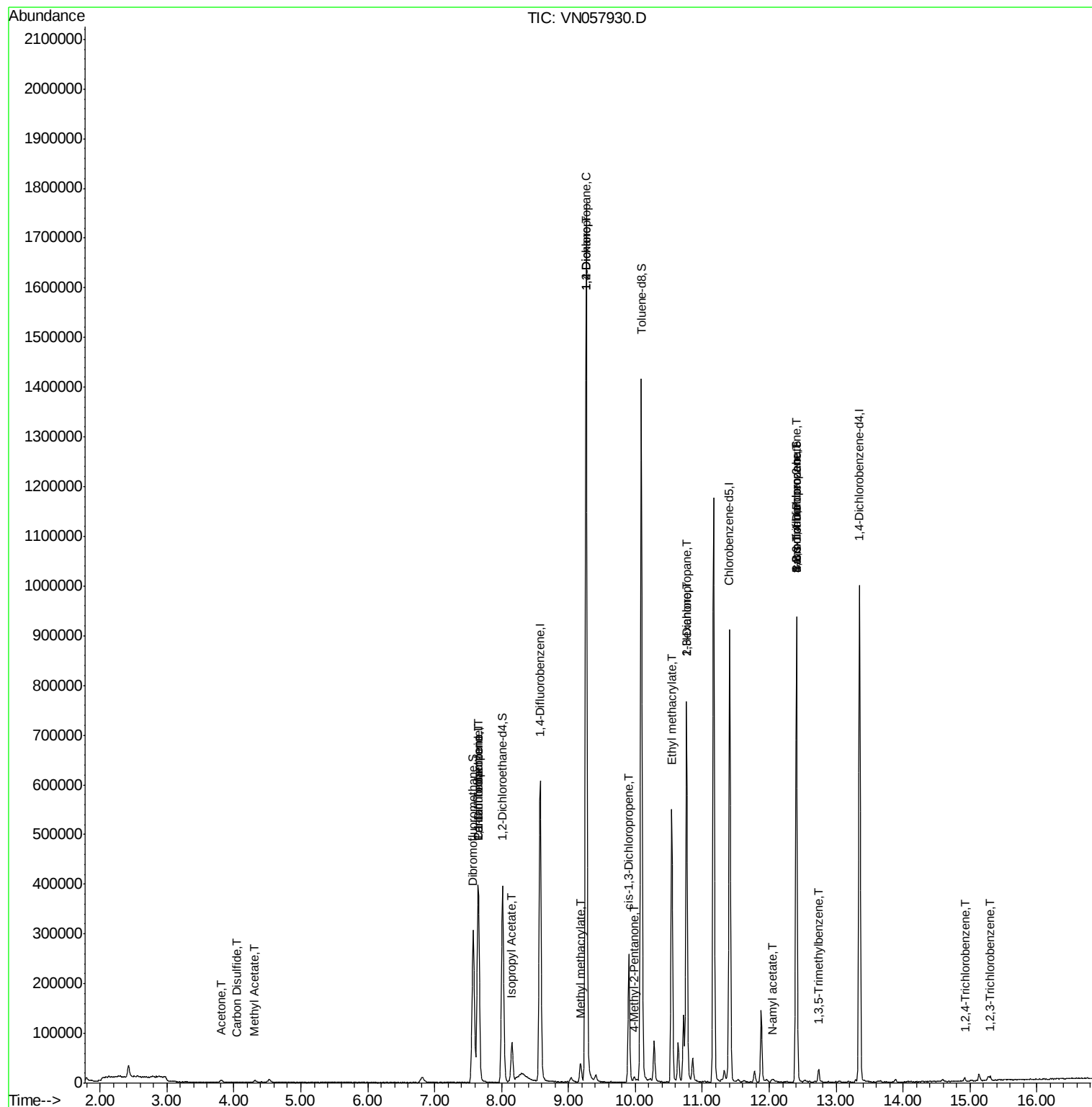
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	266	Below Cal		93
16) Acetone	3.81	43	8015	3.875	ug/l	98
17) Carbon Disulfide	4.04	76	1070	0.365	ug/l #	75
18) Methyl Acetate	4.32	43	6151	1.115	ug/l #	86
20) Methylene Chloride	4.53	84	4580	Below Cal	#	85
31) Cyclohexane	7.65	56	8621	Below Cal	#	31
36) 1,1-Dichloropropene	7.65	75	26512	4.385	ug/l #	50
38) Carbon Tetrachloride	7.65	117	30490	5.523	ug/l #	16
43) Isopropyl Acetate	8.16	43	95941	9.133	ug/l #	90
45) 1,2-Dichloropropane	9.26	63	2347	0.443	ug/l #	44
48) Methyl methacrylate	9.18	41	6003	1.126	ug/l #	13
49) 1,4-Dioxane	9.27	88	217	2.408	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5026	0.808	ug/l #	67
54) cis-1,3-Dichloropropene	9.90	75	42995	5.786	ug/l #	67
56) Ethyl methacrylate	10.54	69	1995	0.273	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7692	0.919	ug/l #	43
59) 2-Hexanone	10.76	43	121963	26.174	ug/l #	54
71) Bromoform	12.40	173	1182	0.430	ug/l #	1
74) N-amyl acetate	12.04	43	2472	0.296	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	173512	31.067	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.74	105	13307	0.822	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	173512	109.325	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.92	180	2320	0.405	ug/l	88
95) Naphthalene	15.13	128	11158	Below Cal		97
96) 1,2,3-Trichlorobenzene	15.31	180	2936	1.574	ug/l	89

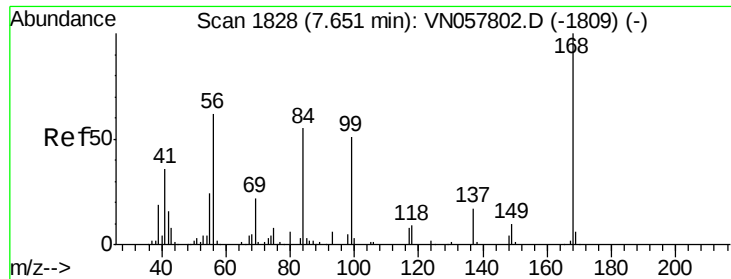
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Sep 12 02:30:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

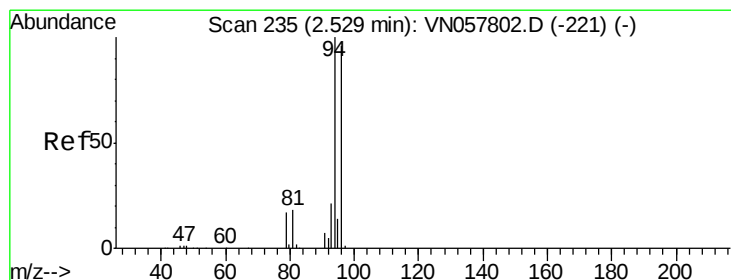
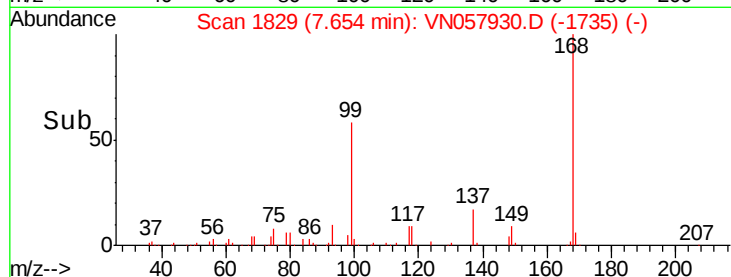
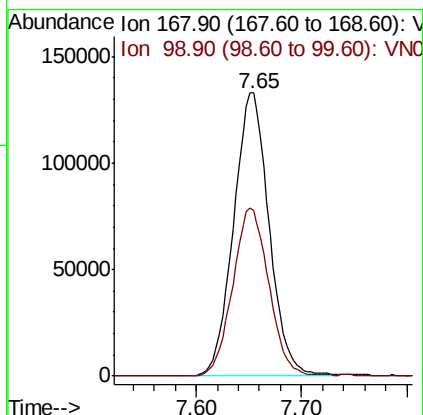
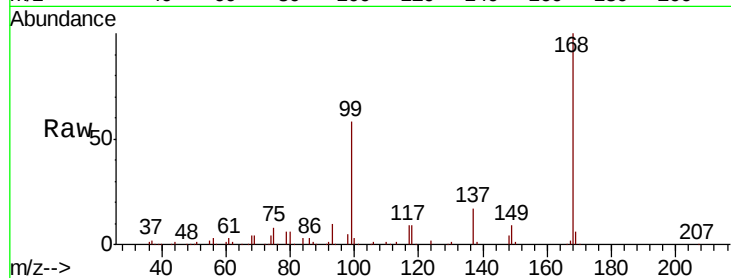




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

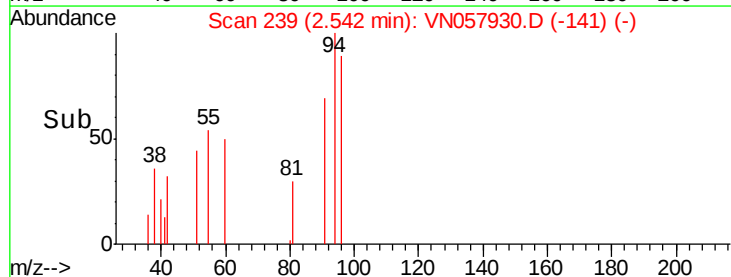
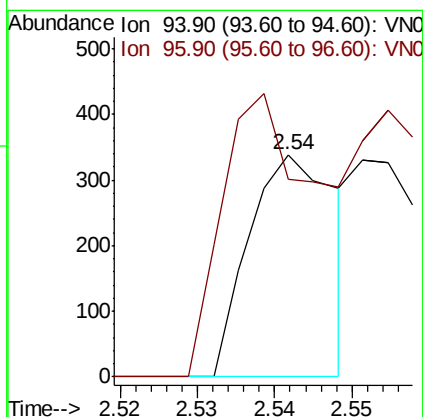
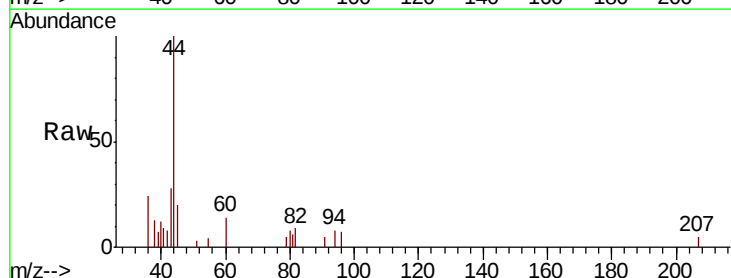
Instrument :
MSVOA_N
ClientSampled :
PB122748TB

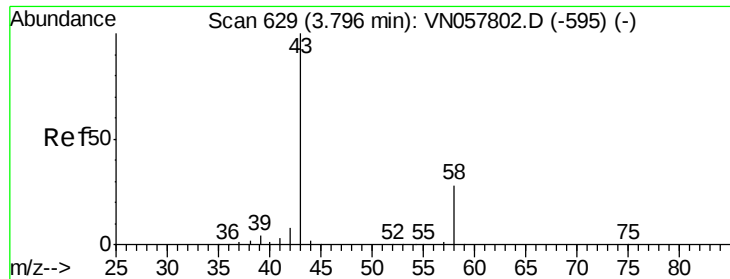
Tgt Ion:168 Resp: 311484
Ion Ratio Lower Upper
168 100
99 58.3 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.54 min Scan# 239
Delta R.T. 0.01 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

Tgt Ion: 94 Resp: 266
Ion Ratio Lower Upper
94 100
96 89.1 77.0 115.4





#16

Acetone

Concen: 3.875 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

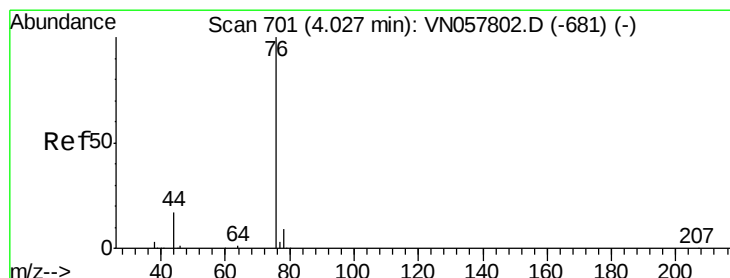
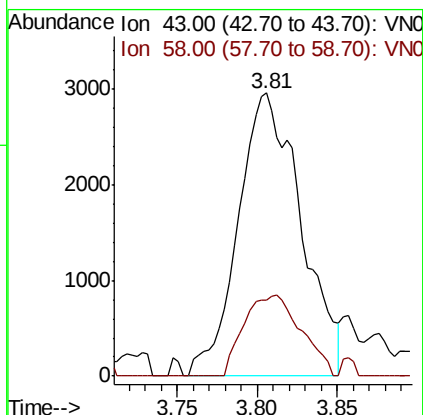
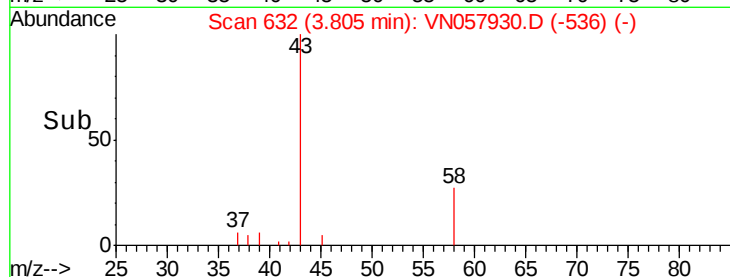
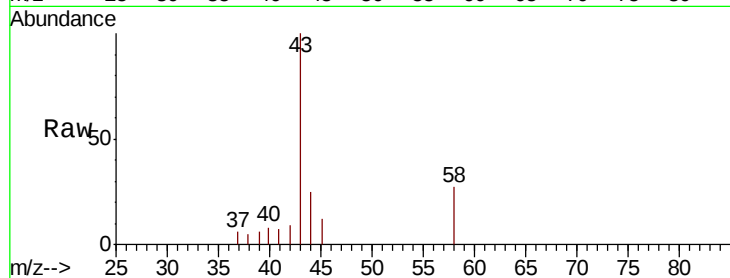
PB122748TB

Tgt Ion: 43 Resp: 8015

Ion Ratio Lower Upper

43 100

58 26.9 22.2 33.2



#17

Carbon Disulfide

Concen: 0.365 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN057930.D

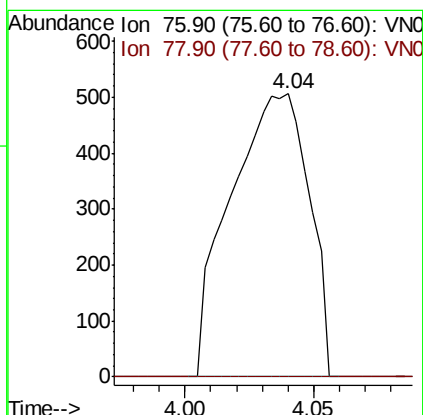
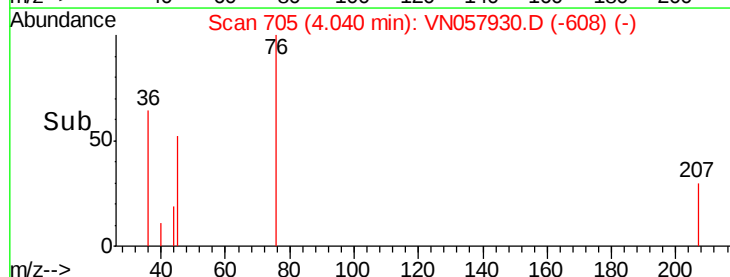
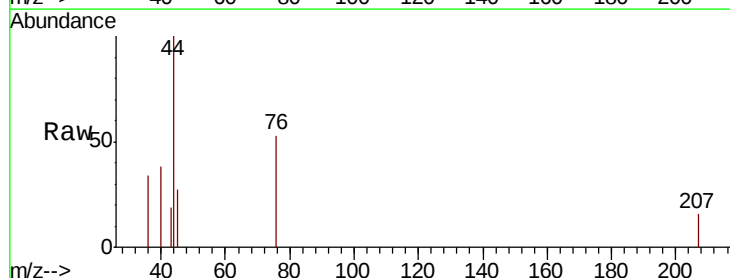
Acq: 11 Sep 2019 17:58

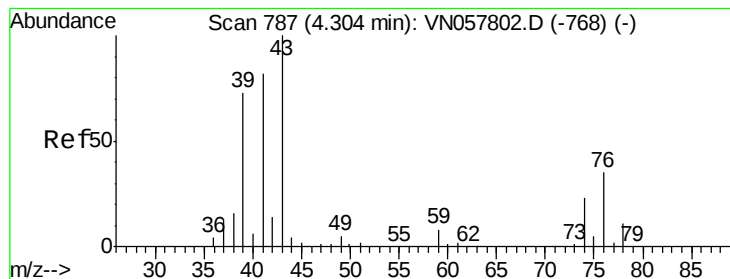
Tgt Ion: 76 Resp: 1070

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#





#18

Methyl Acetate

Concen: 1.115 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.02 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

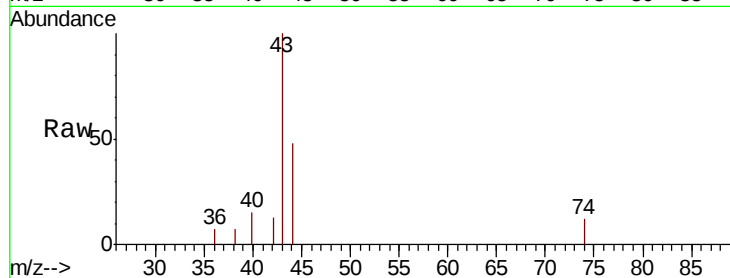
PB122748TB

Tgt Ion: 43 Resp: 6151

Ion Ratio Lower Upper

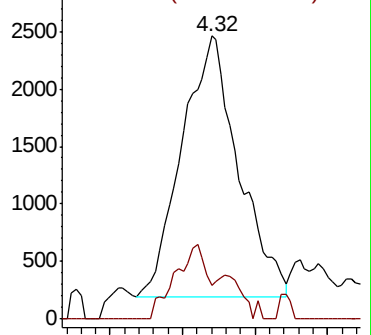
43 100

74 15.8 17.9 26.9#

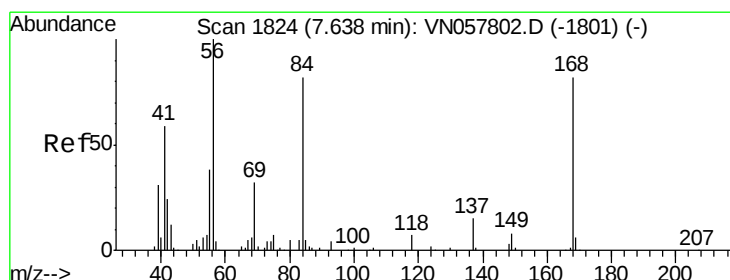
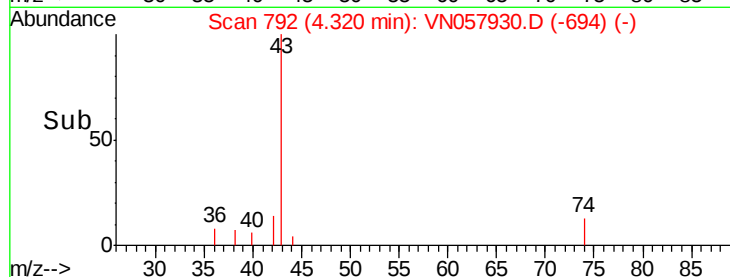


Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

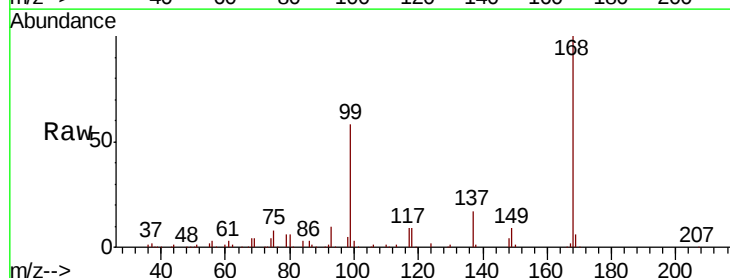
Tgt Ion: 56 Resp: 8621

Ion Ratio Lower Upper

56 100

69 138.5 25.9 38.9#

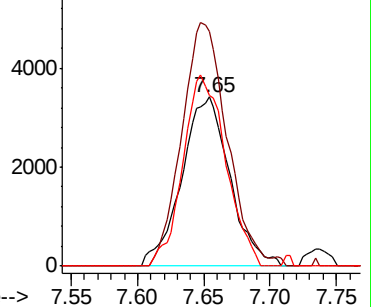
84 101.1 65.6 98.4#



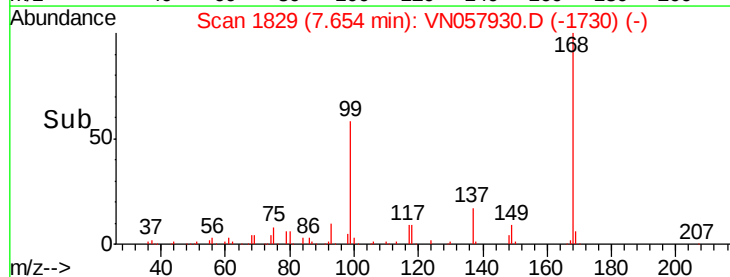
Abundance Ion 56.00 (55.70 to 56.70): VN057802.D (-1801) (-)

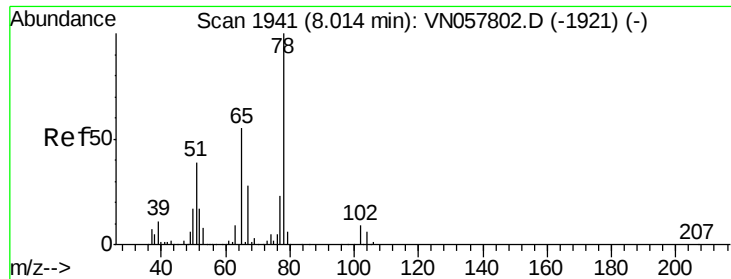
Ion 69.00 (68.70 to 69.70): VN057802.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN057802.D (-1801) (-)



Time-->

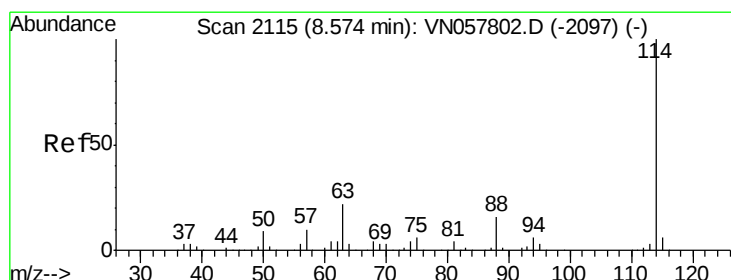
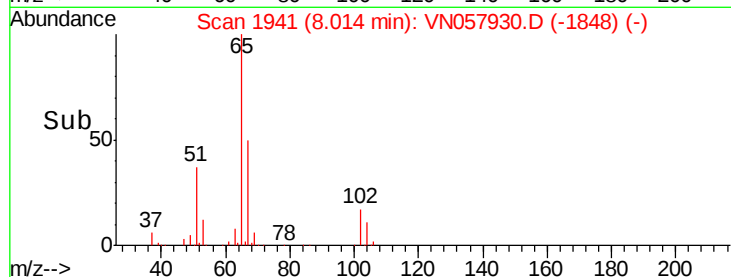
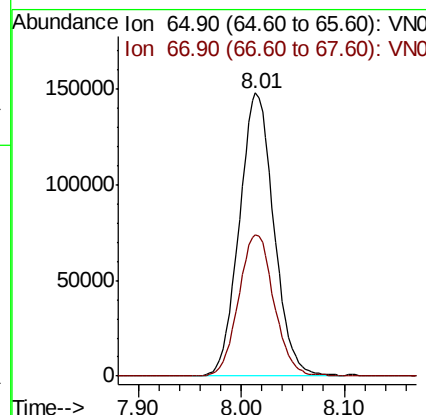
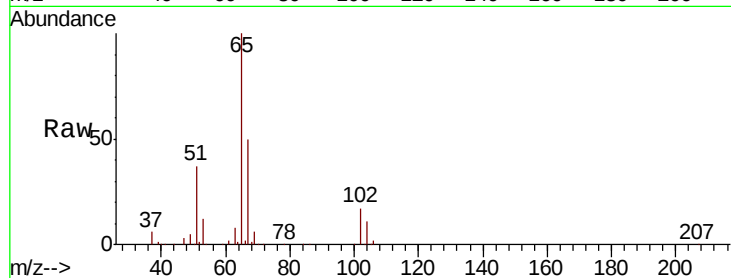




#33
 1,2-Dichloroethane-d4
 Concen: 54.763 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

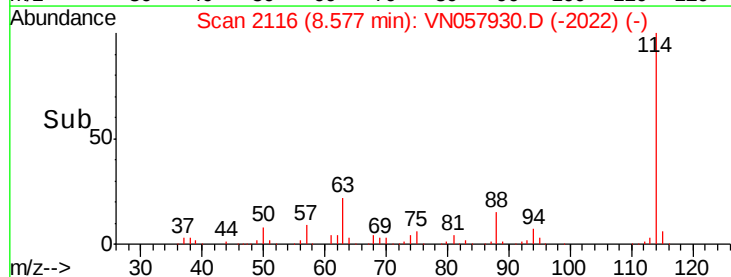
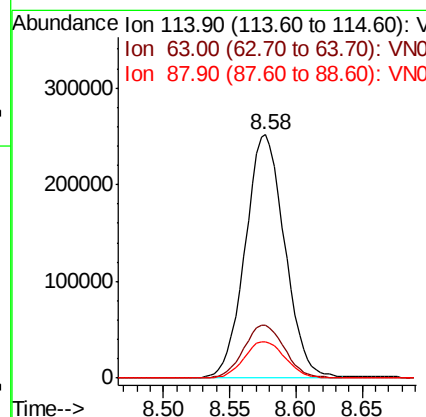
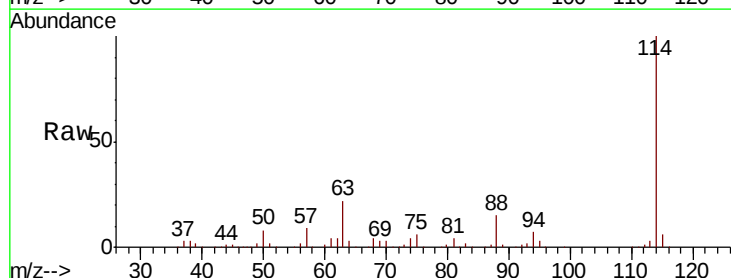
Instrument :
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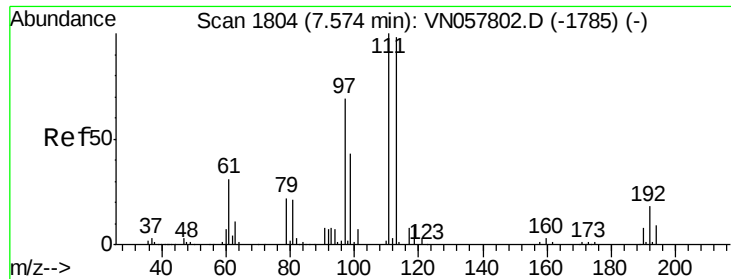
Tgt Ion: 65 Resp: 345494
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

Tgt Ion: 114 Resp: 521352
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.0
 88 15.0 0.0 31.4

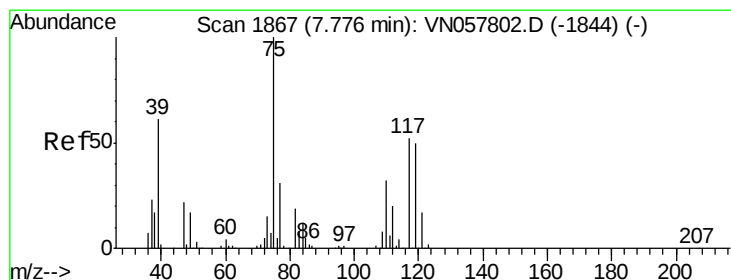
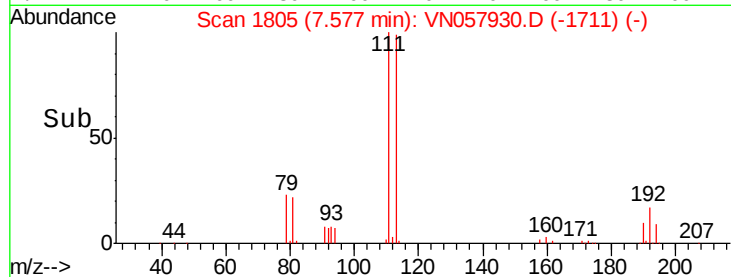
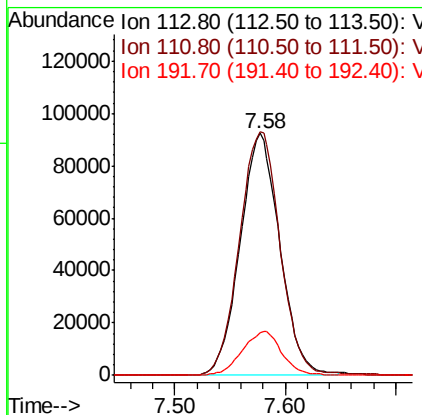
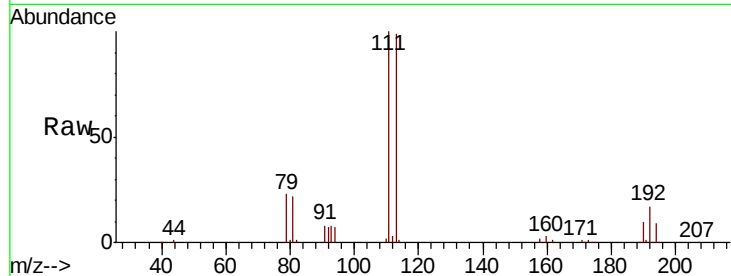




#35
 Dibromofluoromethane
 Concen: 47.753 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

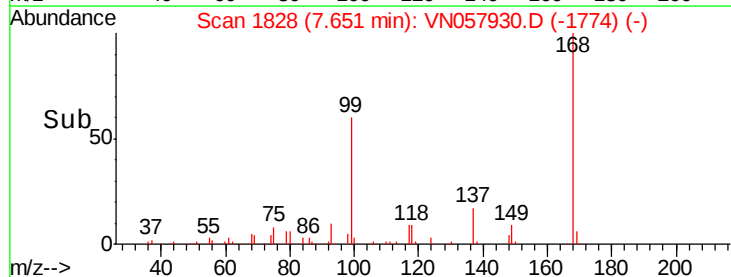
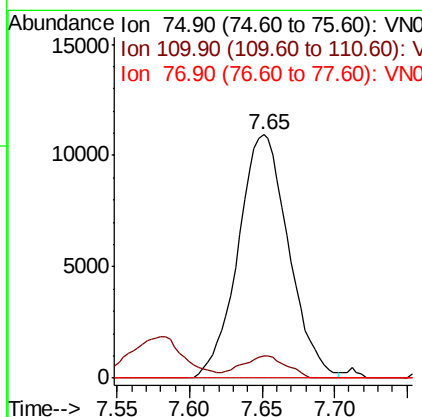
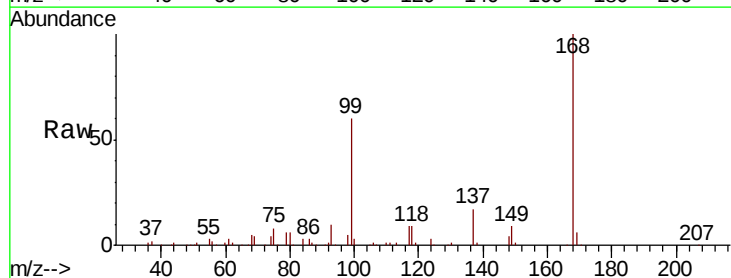
Instrument :
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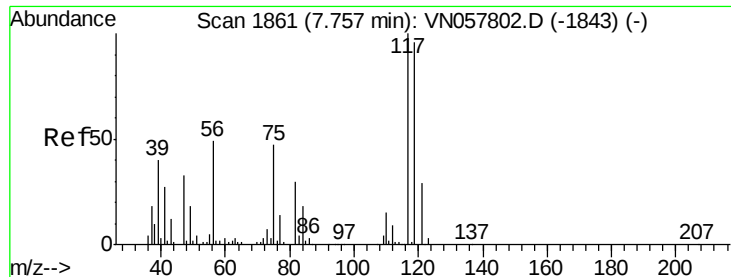
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.3	121.9
192	18.2	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.385 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.3	16.3	48.9#
77	0.0	25.0	37.4#

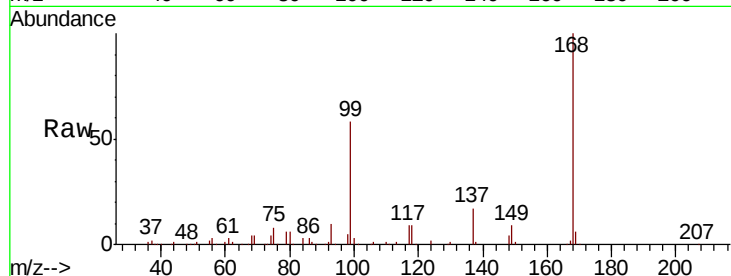




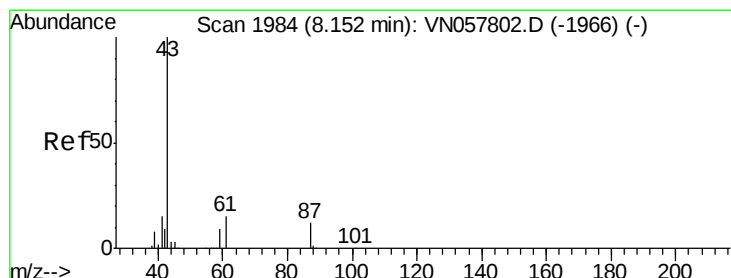
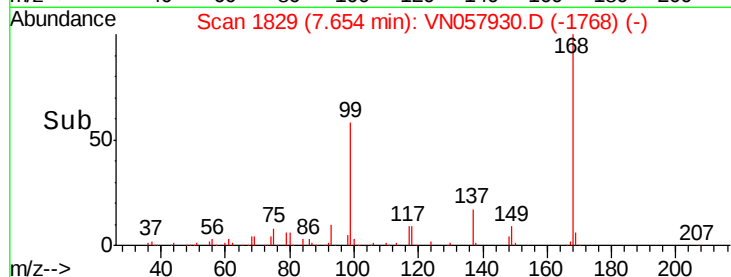
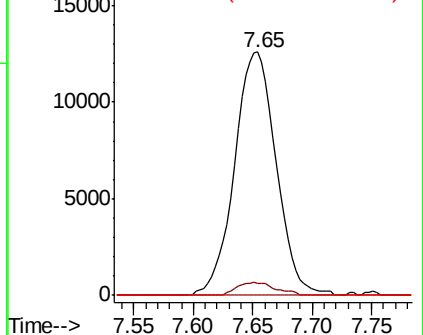
#38
Carbon Tetrachloride
Concen: 5.523 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.10 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

Instrument :
MSVOA_N
ClientSampleId :
PB122748TB

Tgt Ion: 117 Resp: 30490
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 23.4 35.2#

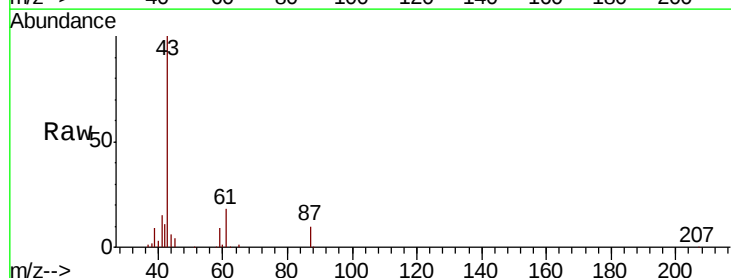


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

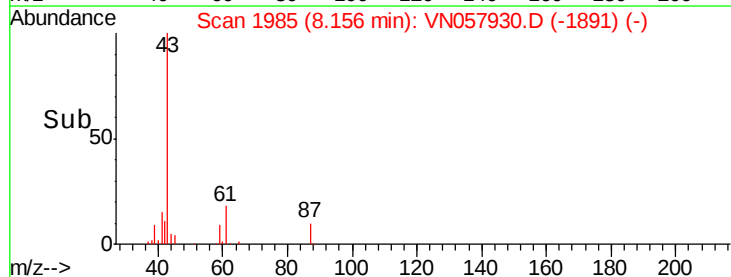
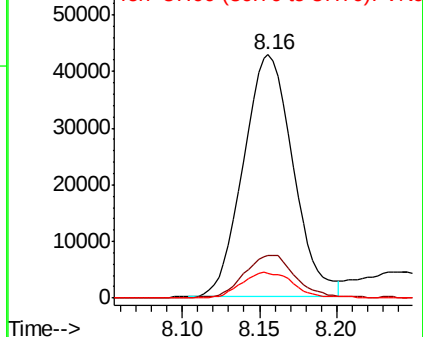


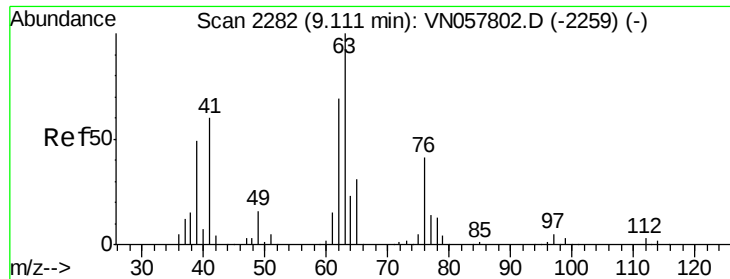
#43
Isopropyl Acetate
Concen: 9.133 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

Tgt Ion: 43 Resp: 95941
Ion Ratio Lower Upper
43 100
61 18.4 20.1 30.1#
87 11.3 9.5 14.3



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

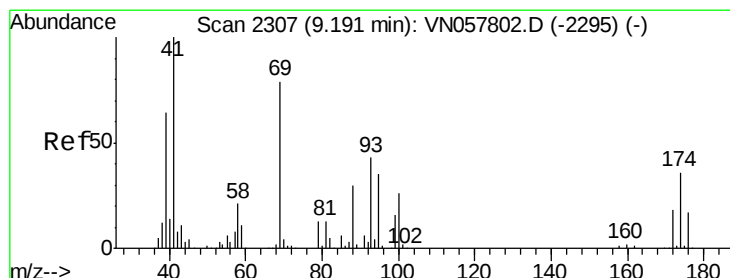
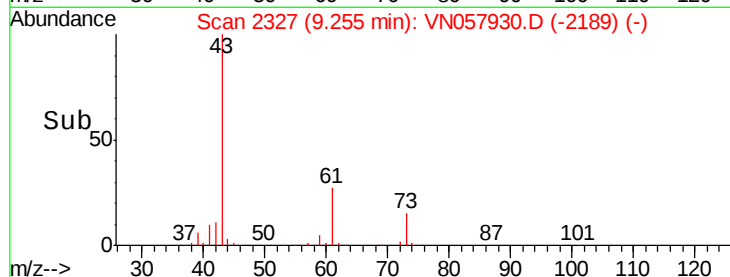
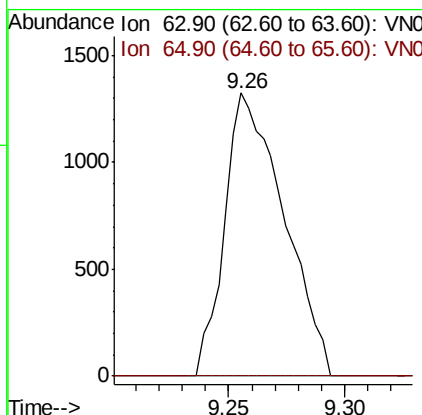
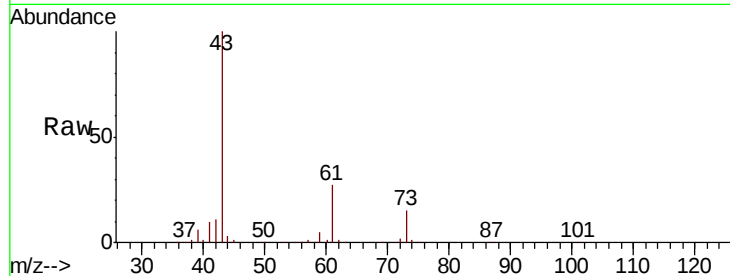




#45
 1,2-Dichloropropane
 Concen: 0.443 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.14 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

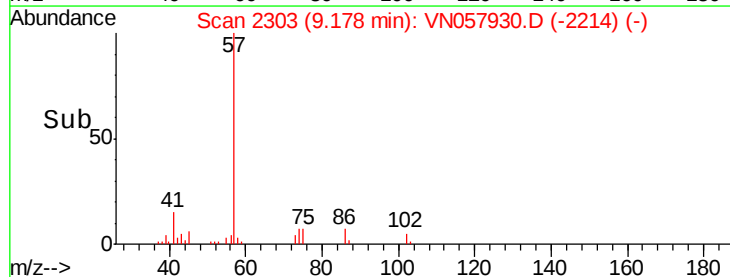
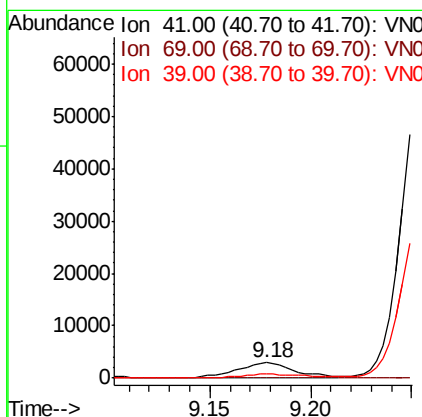
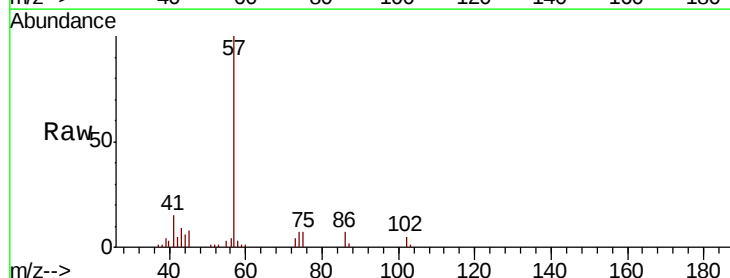
Instrument :
 MSVOA_N
 ClientSampled :
 PB122748TB

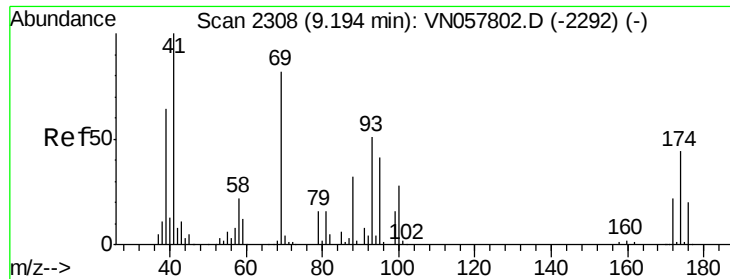
Tgt Ion: 63 Resp: 2347
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.8 37.2#



#48
 Methyl methacrylate
 Concen: 1.126 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: VN057930.D
 Acq: 11 Sep 2019 17:58

Tgt Ion: 41 Resp: 6003
 Ion Ratio Lower Upper
 41 100
 69 0.0 62.7 94.1#
 39 0.0 52.7 79.1#





#49

1,4-Dioxane

Concen: 2.408 ug/l

RT: 9.27 min Scan# 2331

Delta R.T. 0.07 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB122748TB

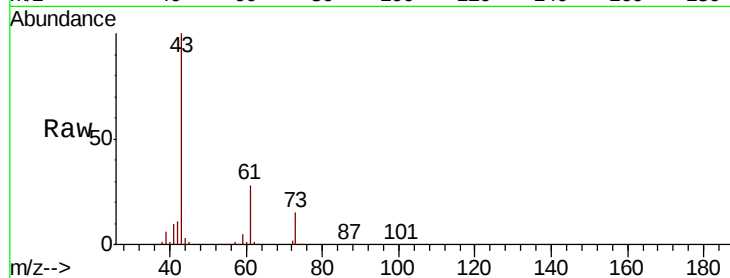
Tgt Ion: 88 Resp: 217

Ion Ratio Lower Upper

88 100

43 810735.9 28.5 42.7#

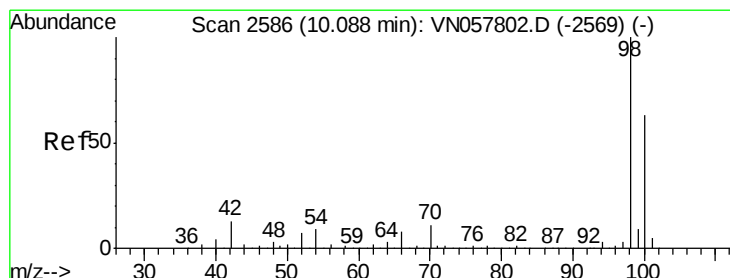
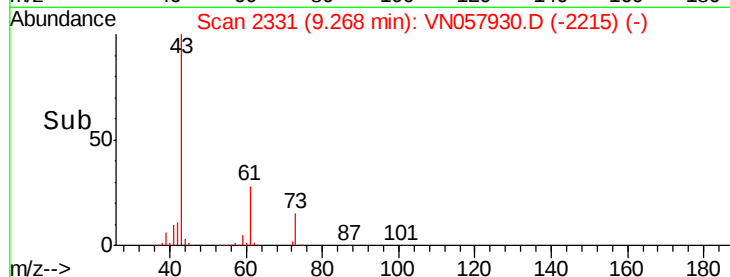
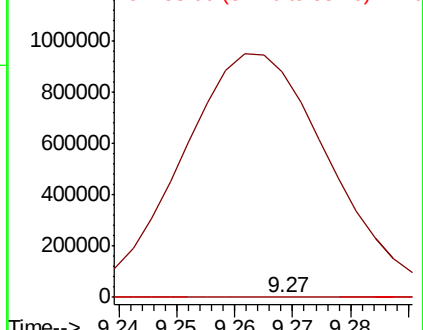
58 3585.7 55.8 83.6#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.727 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN057930.D

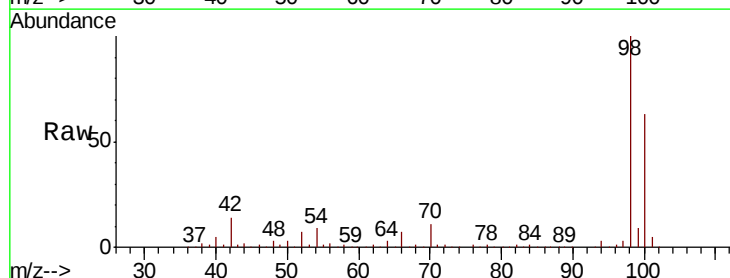
Acq: 11 Sep 2019 17:58

Tgt Ion: 98 Resp: 947688

Ion Ratio Lower Upper

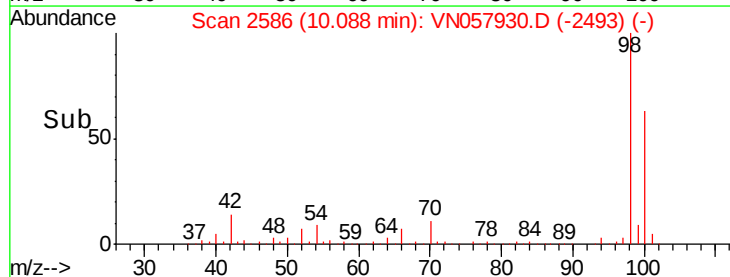
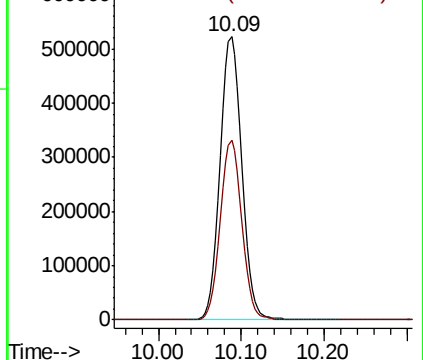
98 100

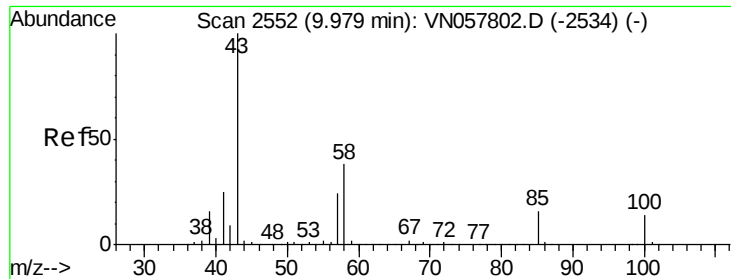
100 62.8 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

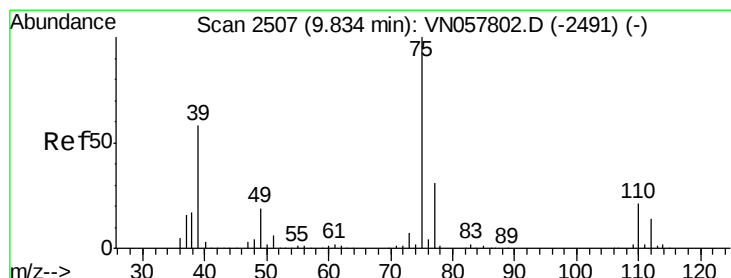
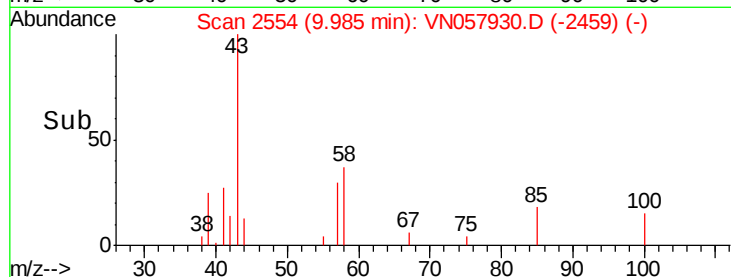
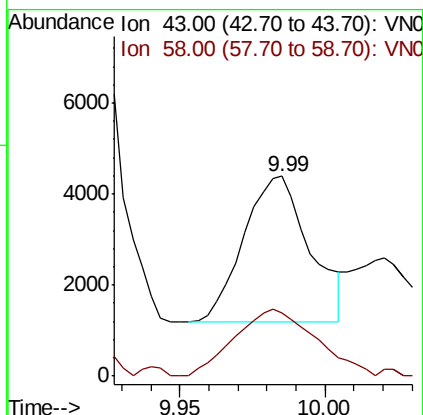
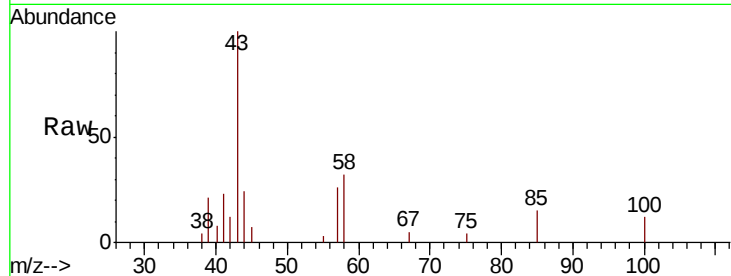




#51
4-Methyl-2-Pentanone
Concen: 0.808 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.01 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

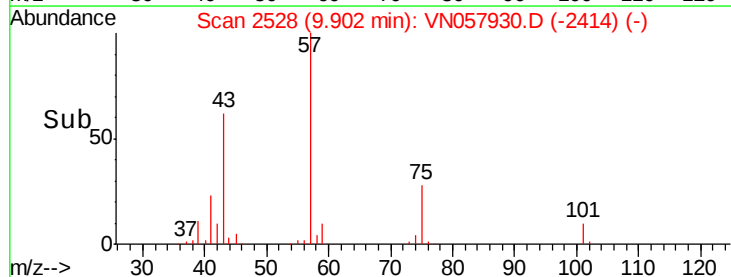
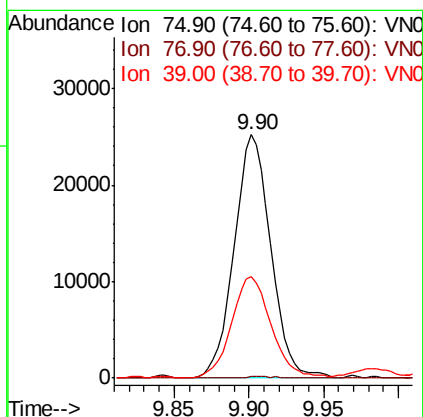
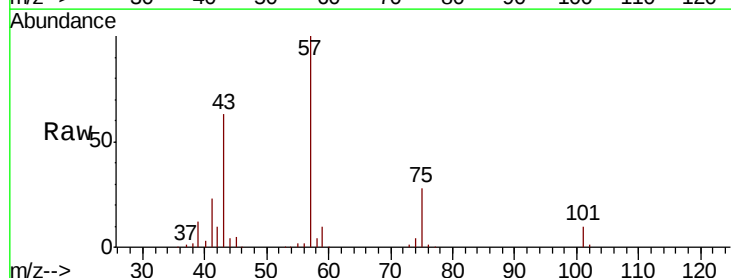
Instrument :
MSVOA_N
ClientSampleId :
PB122748TB

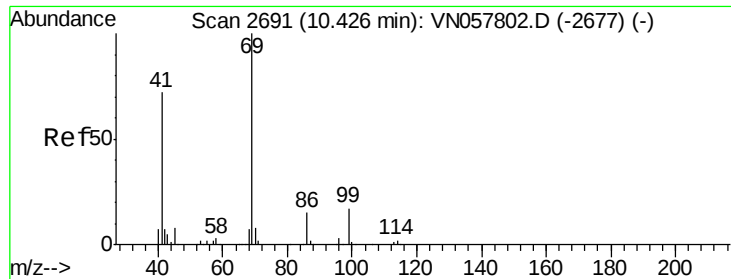
Tgt Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
58 56.8 29.8 44.6#



#54
cis-1,3-Dichloropropene
Concen: 5.786 ug/l
RT: 9.90 min Scan# 2528
Delta R.T. 0.07 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

Tgt Ion: 75 Resp: 42995
Ion Ratio Lower Upper
75 100
77 0.9 24.8 37.2#
39 41.5 46.2 69.4#





#56

Ethyl methacrylate

Concen: 0.273 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB122748TB

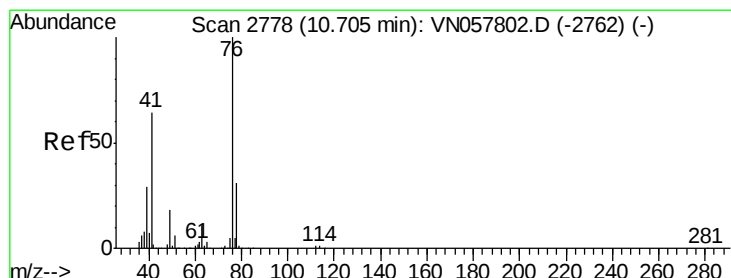
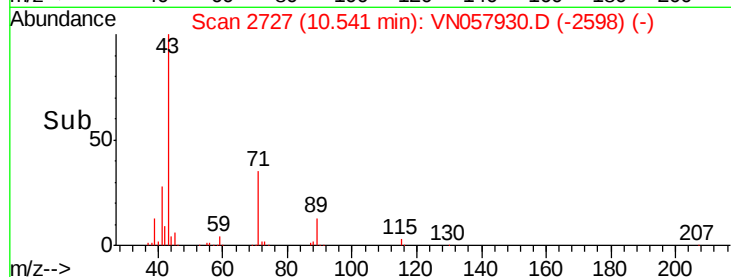
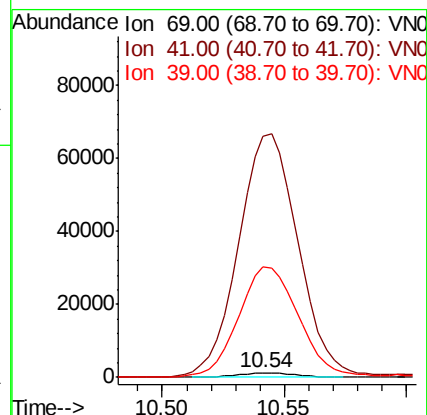
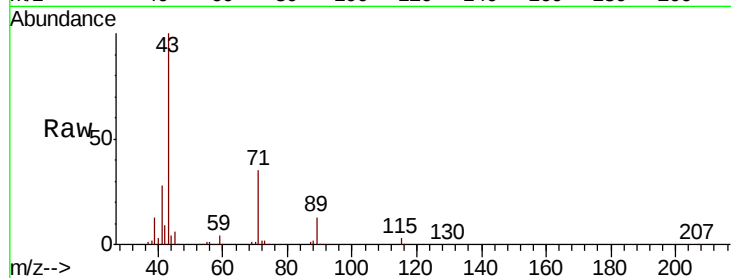
Tgt Ion: 69 Resp: 1995

Ion Ratio Lower Upper

69 100

41 5716.6 56.7 85.1#

39 2618.8 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 0.919 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057930.D

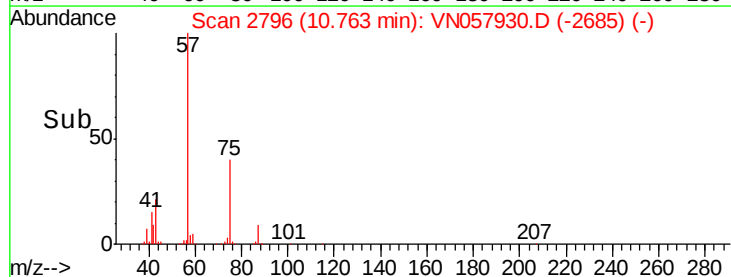
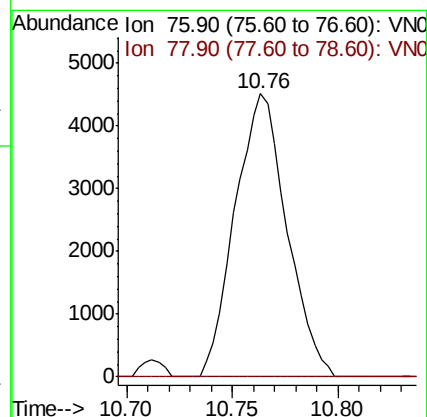
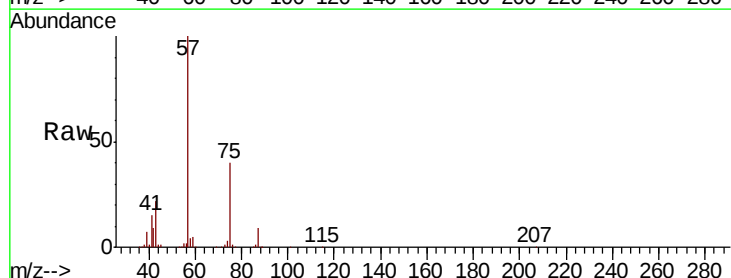
Acq: 11 Sep 2019 17:58

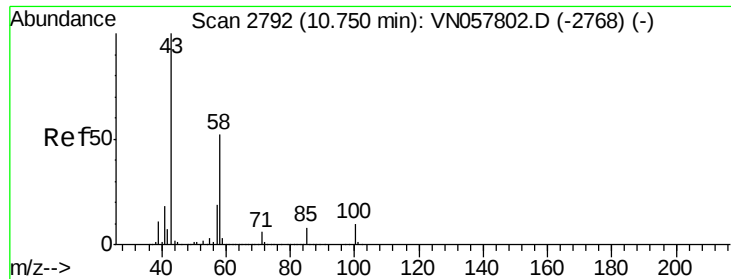
Tgt Ion: 76 Resp: 7692

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#

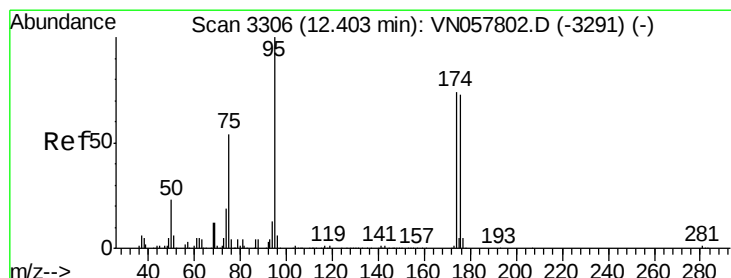
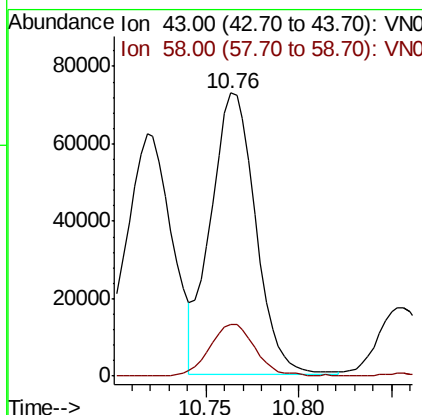
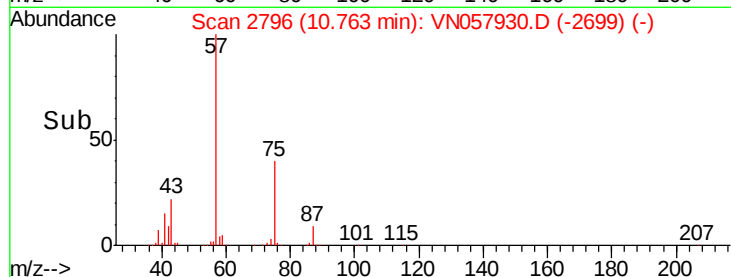
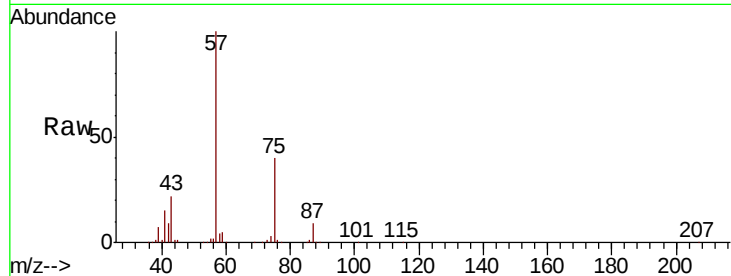




#59
2-Hexanone
Concen: 26.174 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

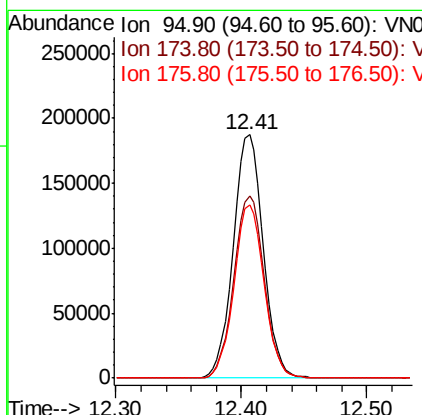
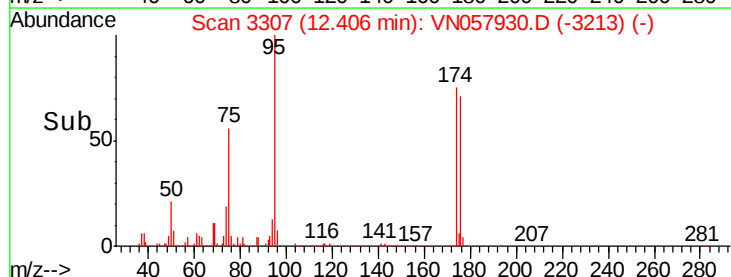
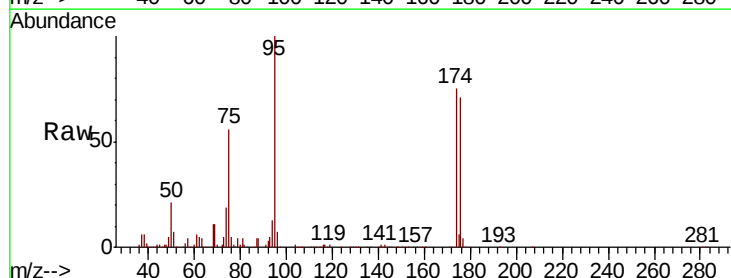
Instrument :
MSVOA_N
ClientSampled :
PB122748TB

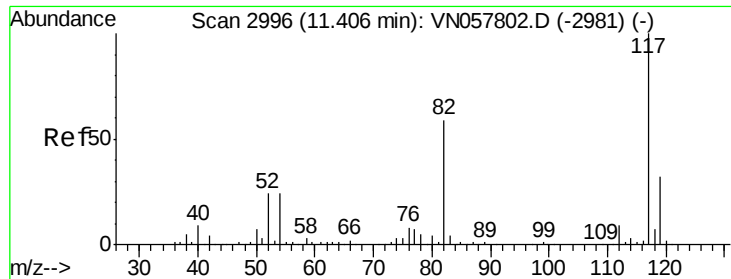
Tgt Ion: 43 Resp: 121963
Ion Ratio Lower Upper
43 100
58 18.8 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 43.753 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057930.D
Acq: 11 Sep 2019 17:58

Tgt Ion: 95 Resp: 311501
Ion Ratio Lower Upper
95 100
174 75.9 0.0 150.2
176 71.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

PB122748TB

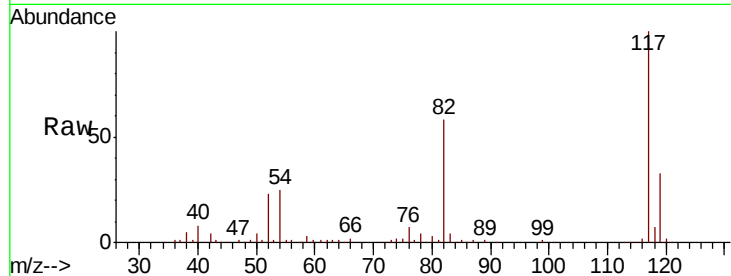
Tgt Ion:117 Resp: 485272

Ion Ratio Lower Upper

117 100

82 58.4 47.2 70.8

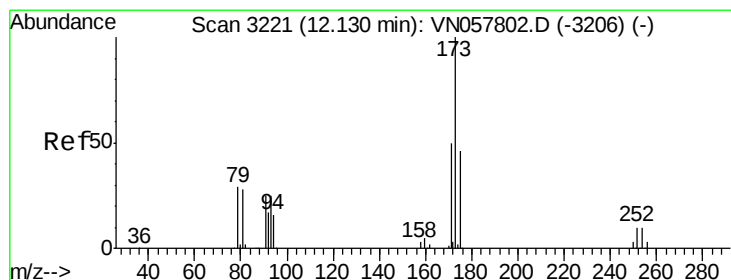
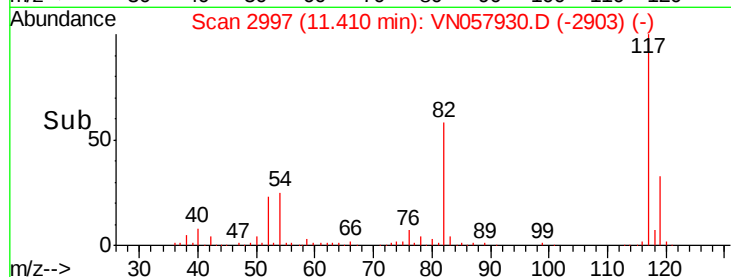
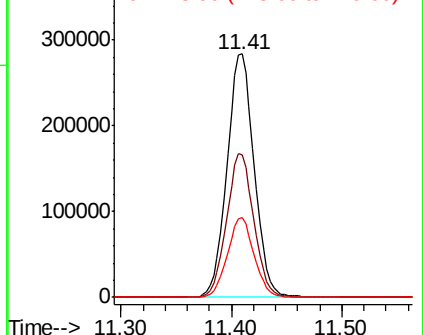
119 32.7 25.3 37.9



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



#71

Bromoform

Concen: 0.430 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

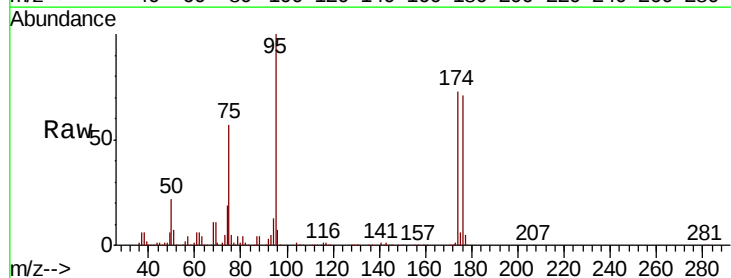
Tgt Ion:173 Resp: 1182

Ion Ratio Lower Upper

173 100

175 1288.4 23.5 70.6#

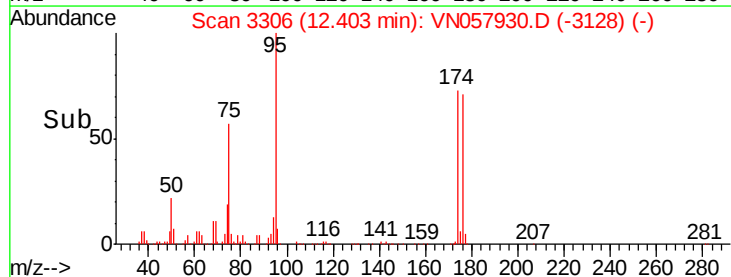
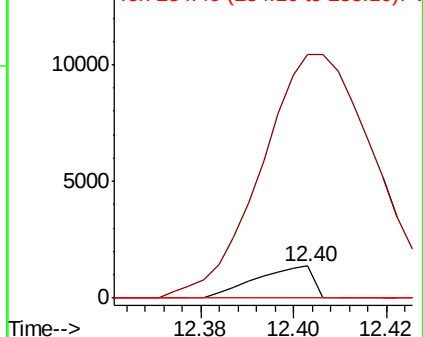
254 0.0 0.1 0.1#

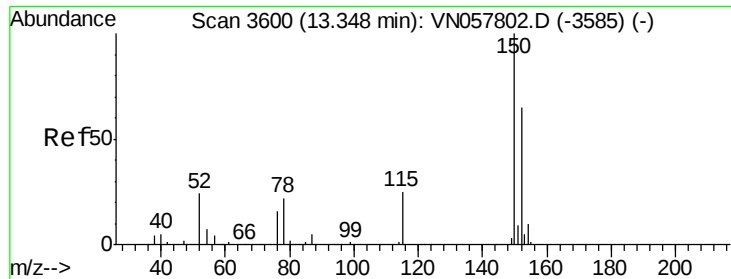


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB122748TB

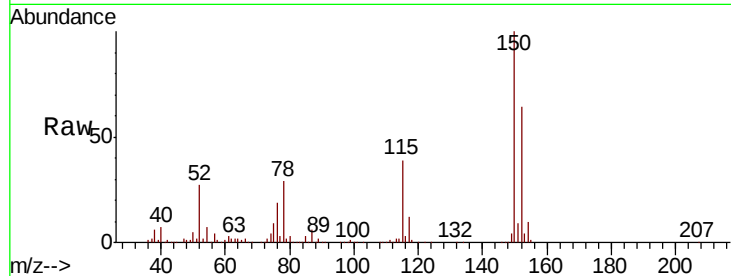
Tgt Ion:152 Resp: 246891

Ion Ratio Lower Upper

152 100

115 61.2 30.3 91.0

150 158.6 0.0 352.4

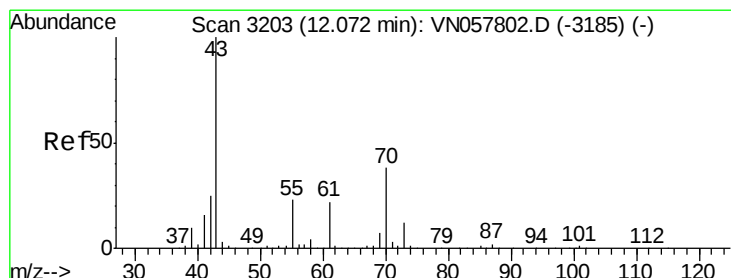
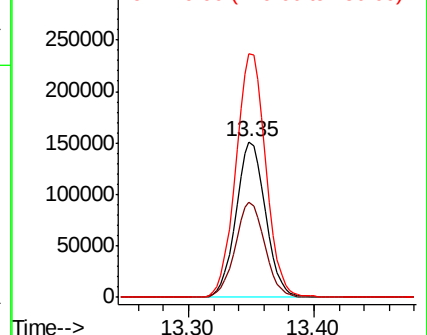
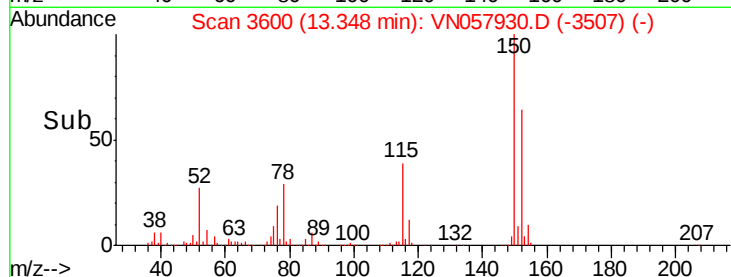


Abundance

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: 0.296 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Tgt Ion: 43 Resp: 2472

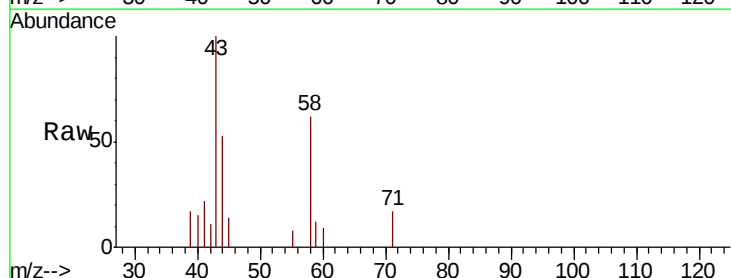
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 6.6 18.6 27.8#

61 0.0 17.4 26.2#



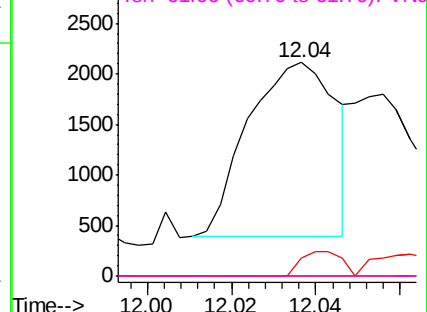
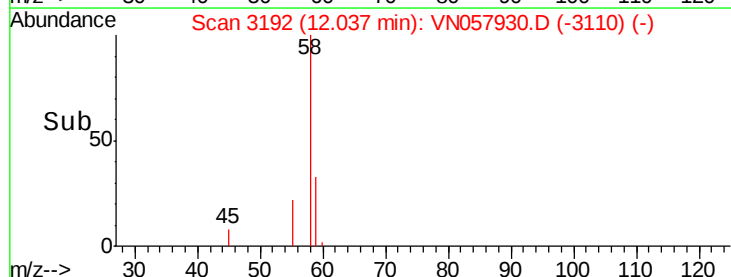
Abundance

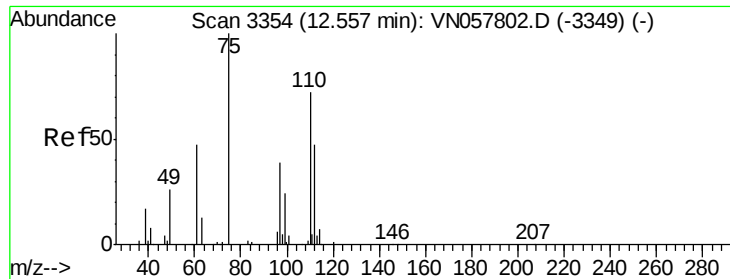
Ion 43.00 (42.70 to 43.70): V

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: 31.067 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

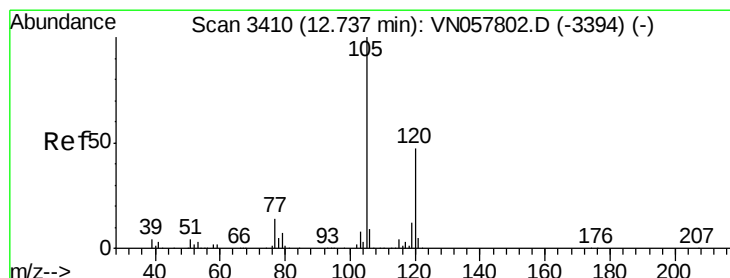
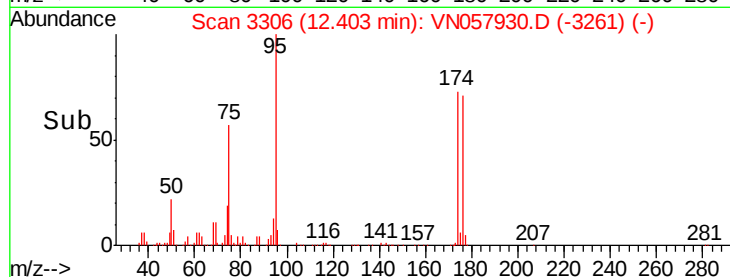
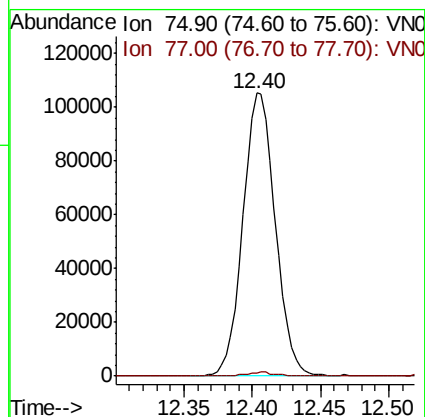
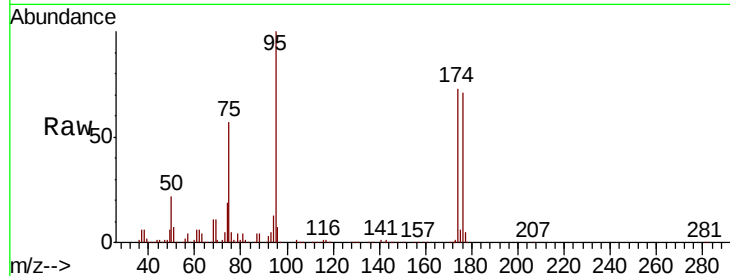
PB122748TB

Tgt Ion: 75 Resp: 173512

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.822 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN057930.D

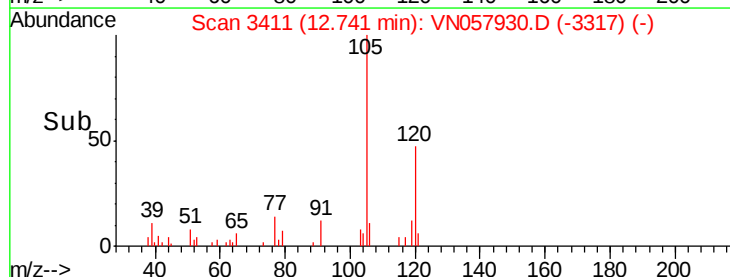
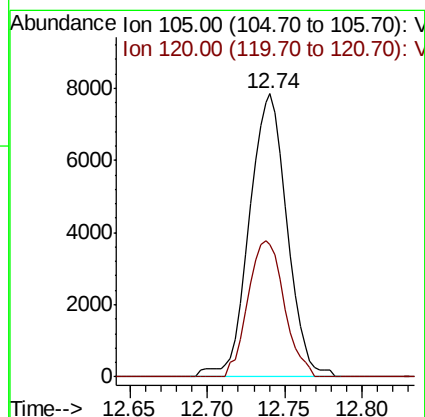
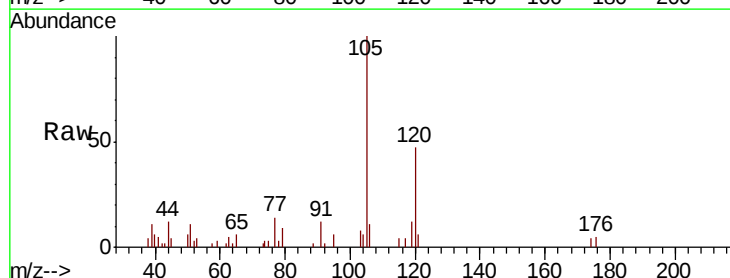
Acq: 11 Sep 2019 17:58

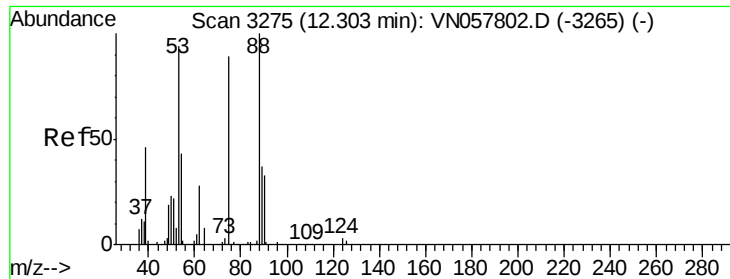
Tgt Ion: 105 Resp: 13307

Ion Ratio Lower Upper

105 100

120 46.2 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 109.325 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampled :

PB122748TB

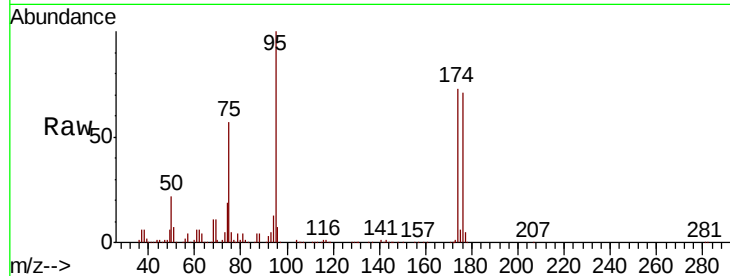
Tgt Ion: 75 Resp: 173512

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

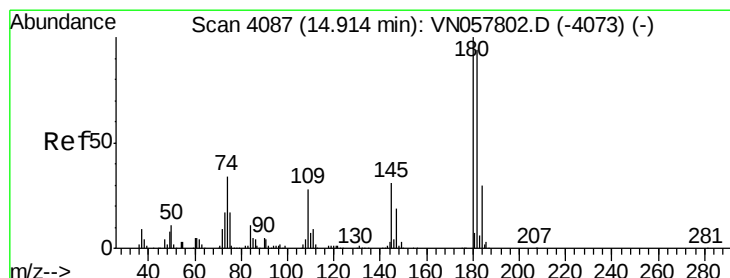
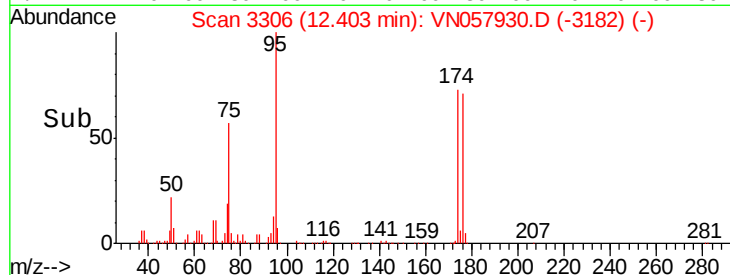
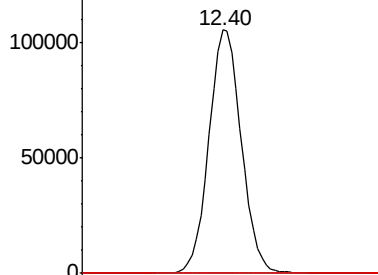
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057930.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN057930.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN057930.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.405 ug/l

RT: 14.92 min Scan# 4090

Delta R.T. 0.01 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

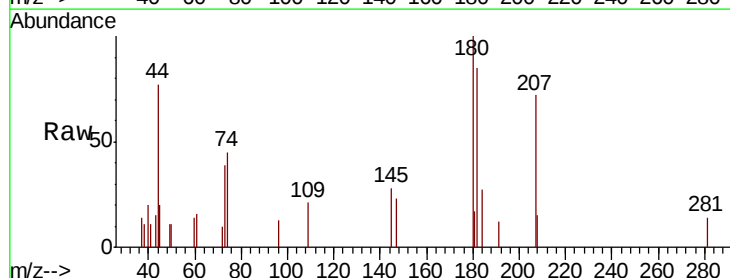
Tgt Ion: 180 Resp: 2320

Ion Ratio Lower Upper

180 100

182 108.5 46.9 140.8

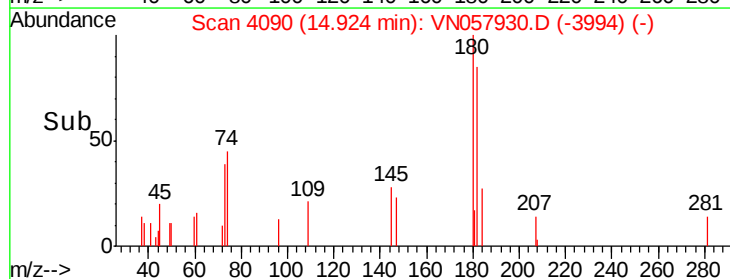
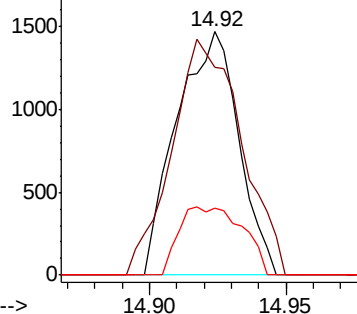
145 28.8 14.9 44.7

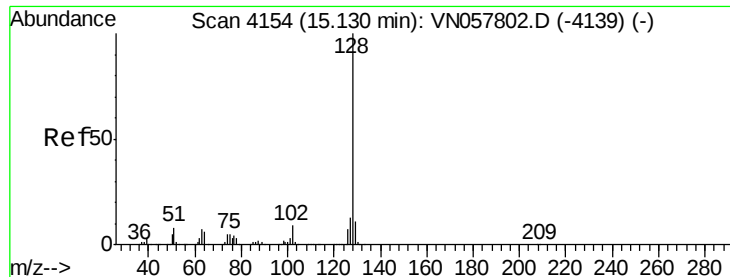


Abundance Ion 179.80 (179.50 to 180.50): VN057930.D (-4090) (-)

Ion 181.80 (181.50 to 182.50): VN057930.D (-4090) (-)

Ion 144.80 (144.50 to 145.50): VN057930.D (-4090) (-)





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

Instrument :

MSVOA_N

ClientSampleId :

PB122748TB

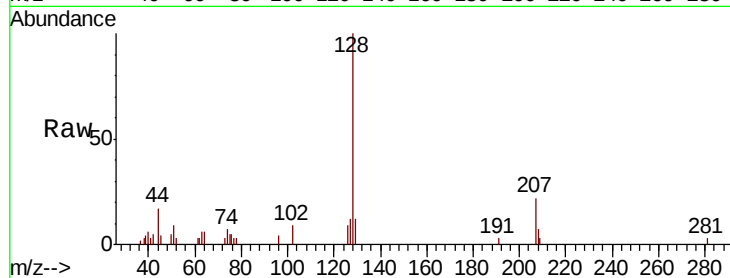
Tgt Ion:128 Resp: 11158

Ion Ratio Lower Upper

128 100

127 14.1 10.3 15.5

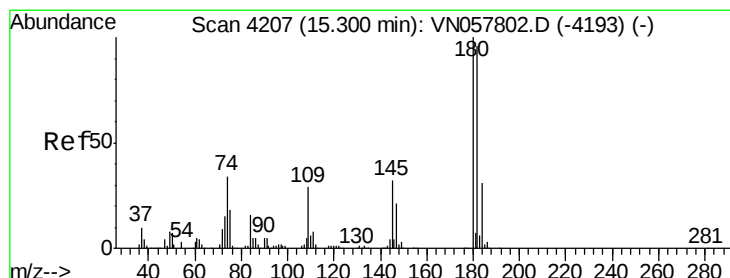
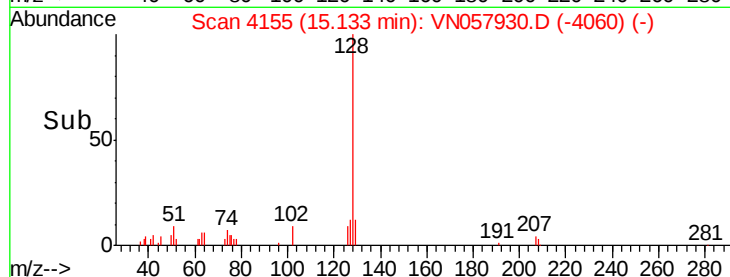
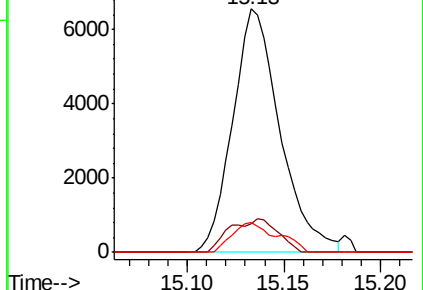
129 11.6 8.6 12.8



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: 1.574 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. 0.01 min

Lab File: VN057930.D

Acq: 11 Sep 2019 17:58

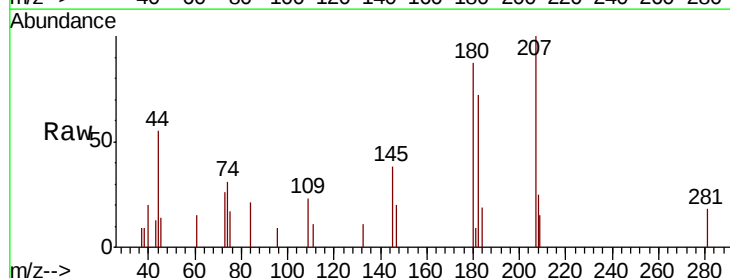
Tgt Ion:180 Resp: 2936

Ion Ratio Lower Upper

180 100

182 85.8 48.3 144.8

145 39.0 16.3 48.8



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

