

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112519\
 Data File : VN059381.D
 Acq On : 25 Nov 2019 14:23
 Operator : JC/SP
 Sample : VN1125WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

Quant Time: Nov 25 17:14:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	362380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	552679	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	477689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	204445	47.02	ug/l	0.00
Spiked Amount						
			Recovery	=	94.04%	
35) Dibromofluoromethane	7.57	113	164447	49.60	ug/l	0.00
Spiked Amount						
			Recovery	=	99.20%	
50) Toluene-d8	10.08	98	660482	50.11	ug/l	0.00
Spiked Amount						
			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	211384	45.86	ug/l	0.00
Spiked Amount						
			Recovery	=	91.72%	

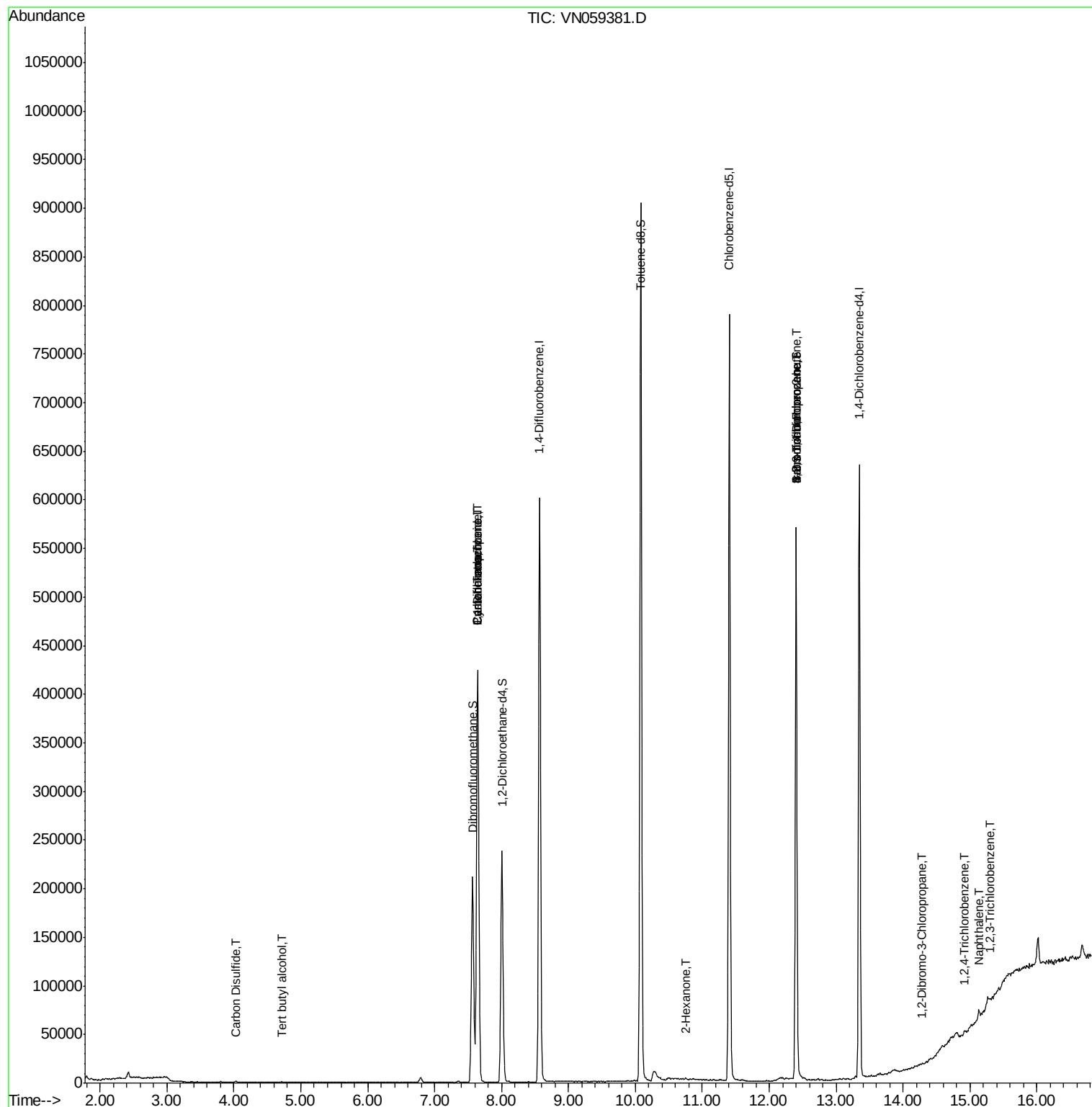
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	469	0.539	ug/l #	73
17) Carbon Disulfide	4.03	76	2329	0.330	ug/l #	75
31) Cyclohexane	7.64	56	6712	0.877	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	26162	4.585	ug/l #	50
38) Carbon Tetrachloride	7.64	117	34035	6.231	ug/l #	16
59) 2-Hexanone	10.75	43	939	0.234	ug/l #	38
71) Bromoform	12.40	173	590	0.209	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101487	24.961	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	101487	62.430	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.28	75	238	0.235	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1494	3.314	ug/l	91
95) Naphthalene	15.13	128	6391	3.745	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	2167	2.468	ug/l	88

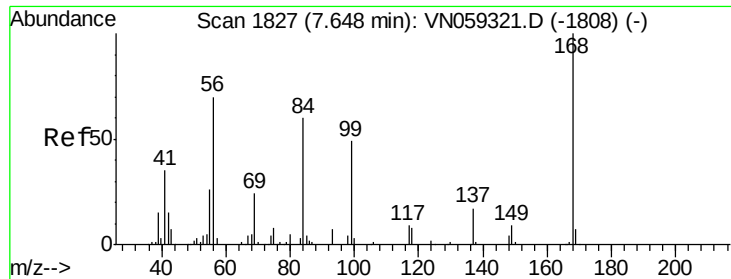
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN112519\
Data File : VN059381.D
Acq On : 25 Nov 2019 14:23
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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

Quant Time: Nov 25 17:14:54 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 21 08:44:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

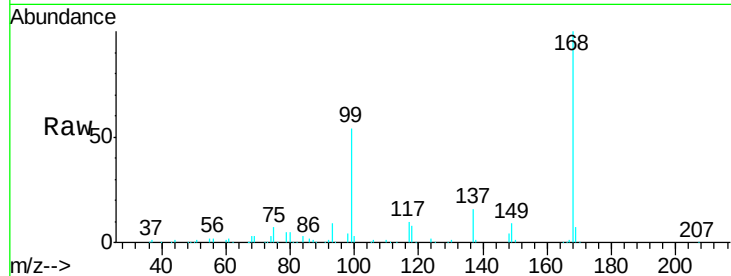
VN1125WBL01

Tgt Ion:168 Resp: 362380

Ion Ratio Lower Upper

168 100

99 53.5 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): VN059321.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN059321.D (-1808) (-)

7.64

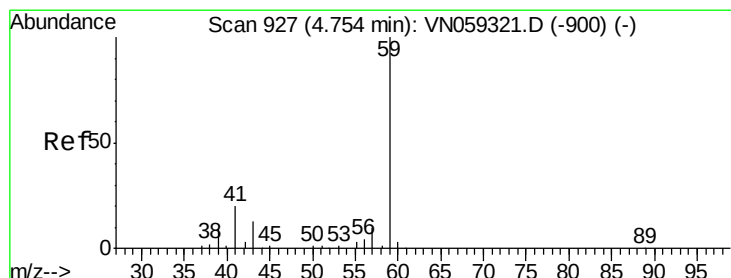
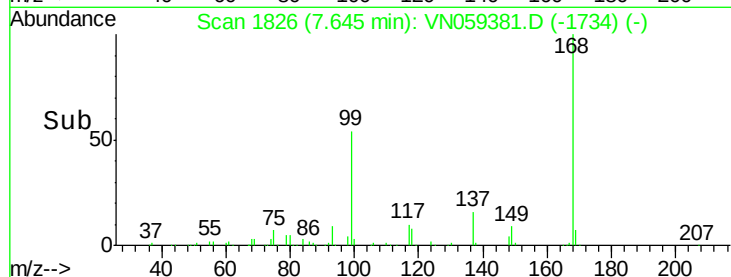
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.539 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN059381.D

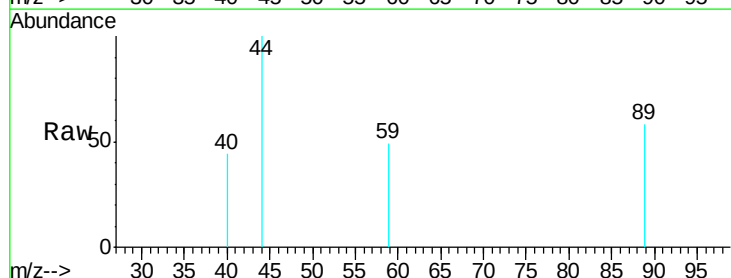
Acq: 25 Nov 2019 14:23

Tgt Ion: 59 Resp: 469

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN059321.D (-900) (-)

Ion 57.00 (56.70 to 57.70): VN059321.D (-900) (-)

4.72

250

200

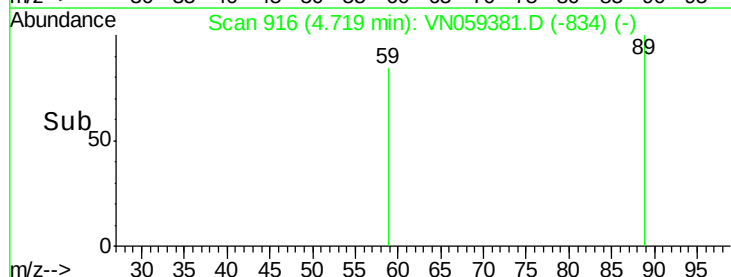
150

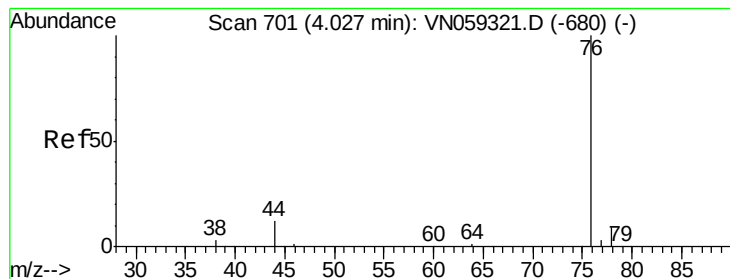
100

50

0

Time--> 4.68 4.70 4.72 4.74





#17

Carbon Disulfide

Concen: 0.330 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

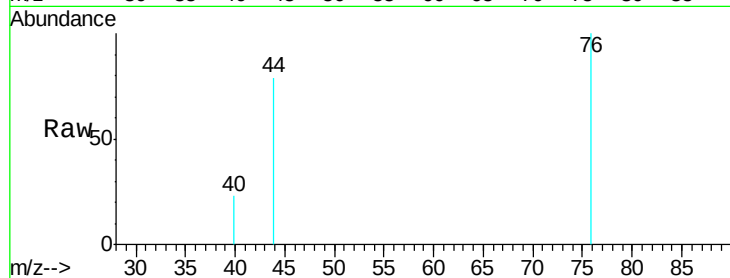
VN1125WBL01

Tgt Ion: 76 Resp: 2329

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

1000

800

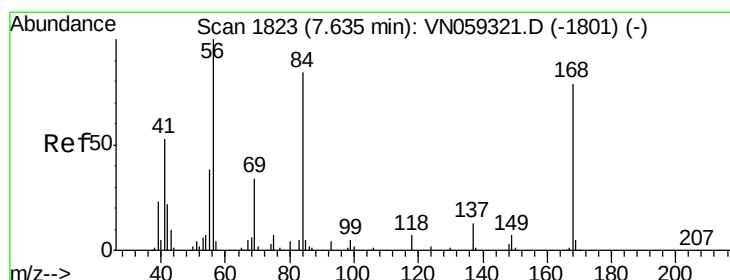
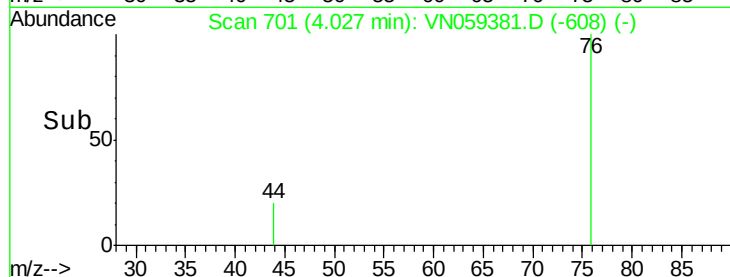
600

400

200

0

Time-->



#31

Cyclohexane

Concen: 0.877 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

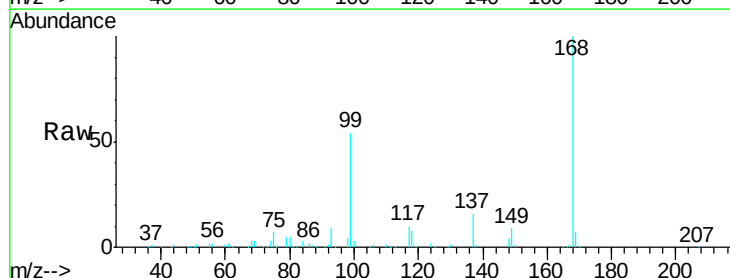
Tgt Ion: 56 Resp: 6712

Ion Ratio Lower Upper

56 100

69 183.8 26.6 40.0#

84 160.4 67.0 100.4#



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

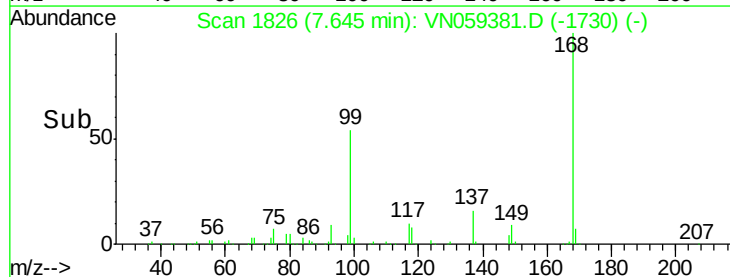
6000

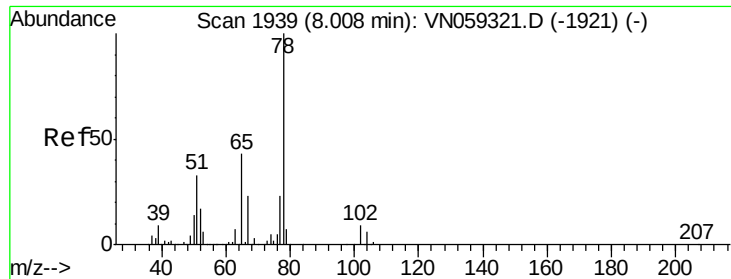
4000

2000

0

Time-->

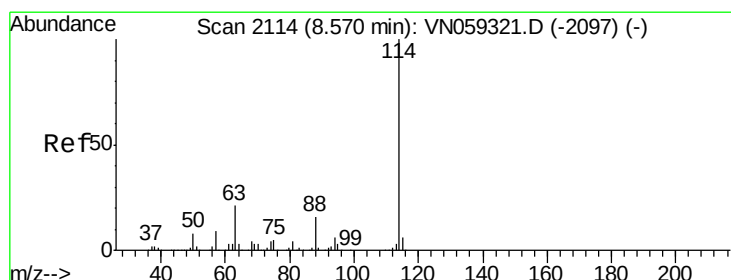
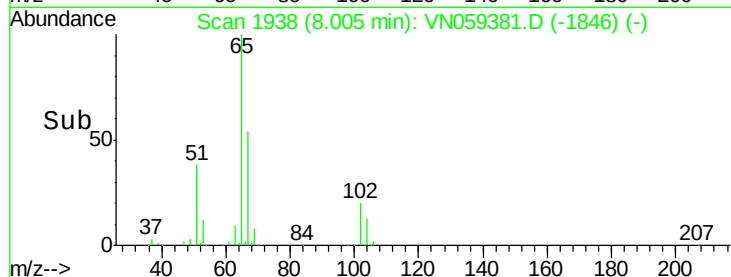
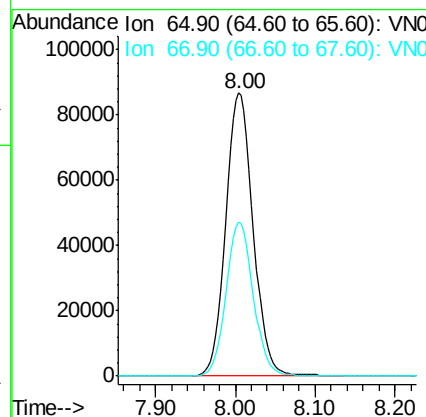
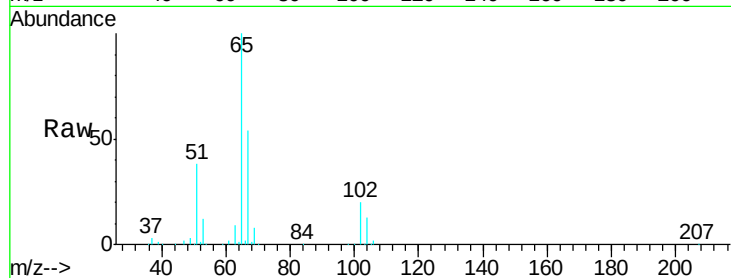




#33
 1,2-Dichloroethane-d4
 Concen: 47.021 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

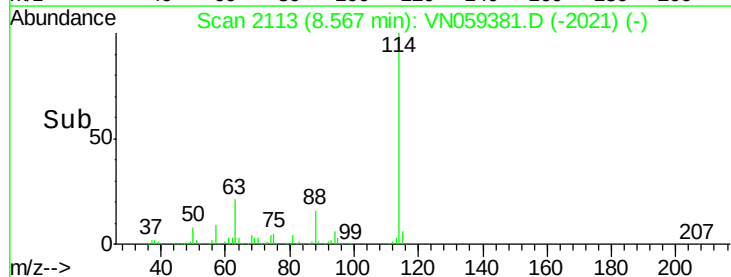
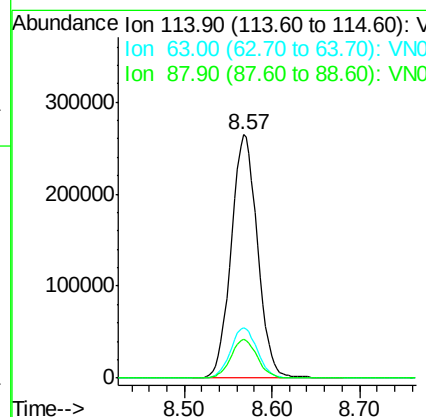
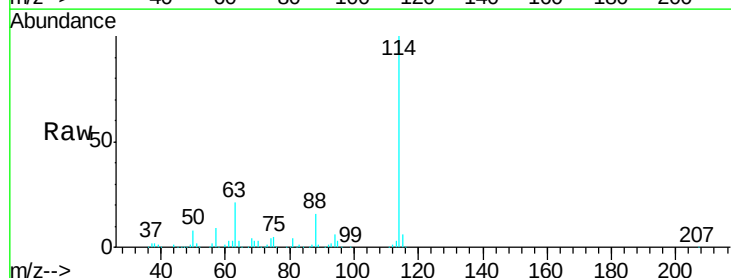
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

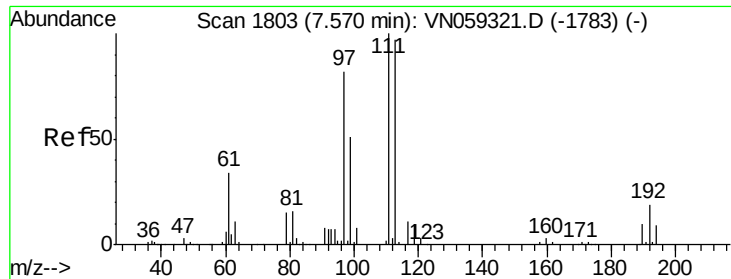
Tgt Ion: 65 Resp: 204445
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

Tgt Ion: 114 Resp: 552679
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.2
 88 15.8 0.0 32.2

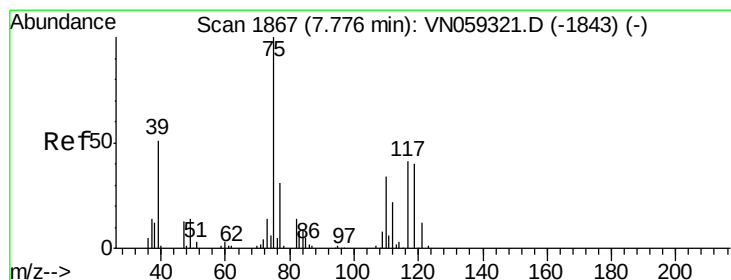
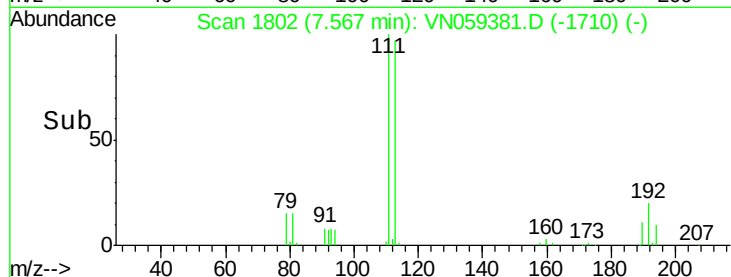
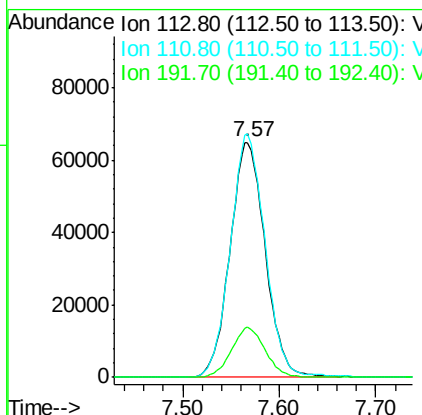
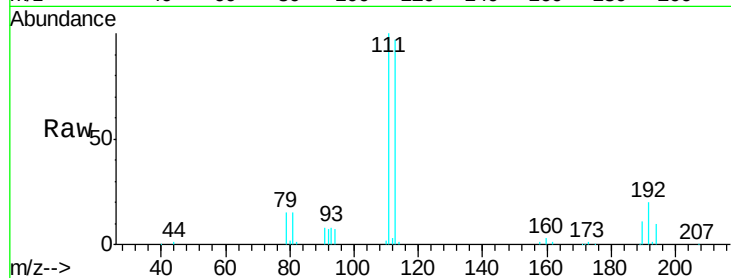




#35
 Dibromofluoromethane
 Concen: 49.596 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

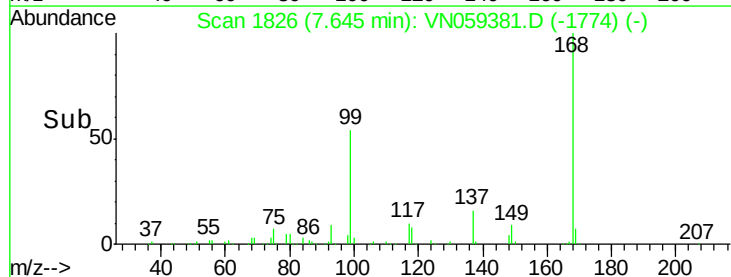
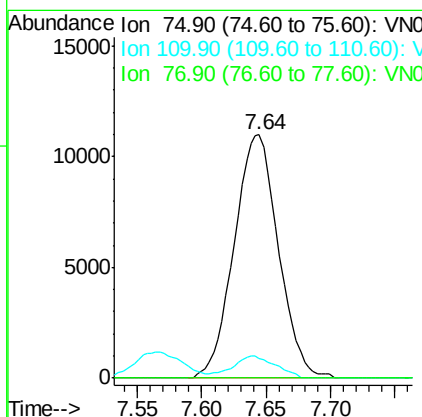
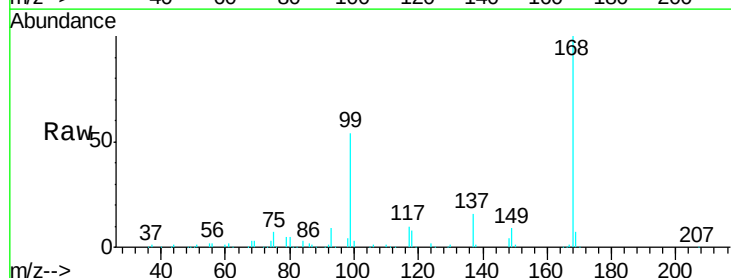
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

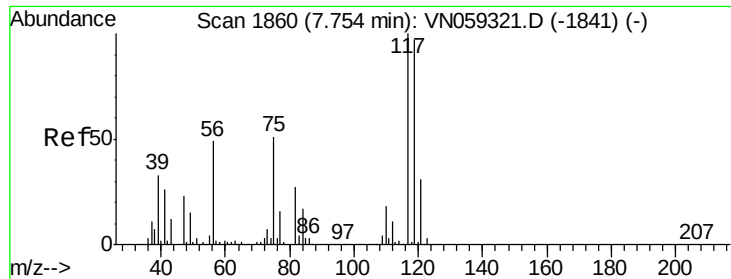
Tgt Ion:113 Resp: 164447
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.7 124.1
 192 20.3 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 4.585 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

Tgt Ion: 75 Resp: 26162
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.0 51.0#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.231 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBL01

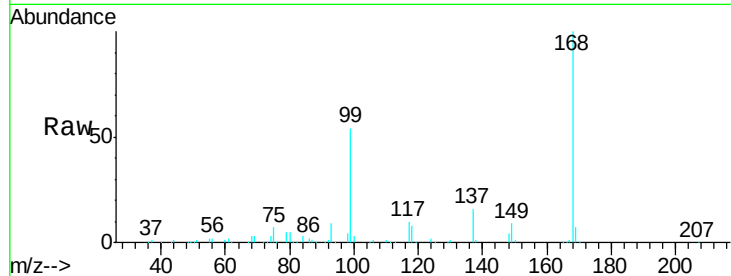
Tgt Ion:117 Resp: 34035

Ion Ratio Lower Upper

117 100

119 5.1 77.0 115.4#

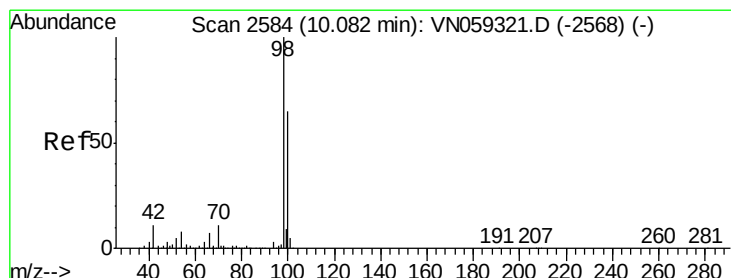
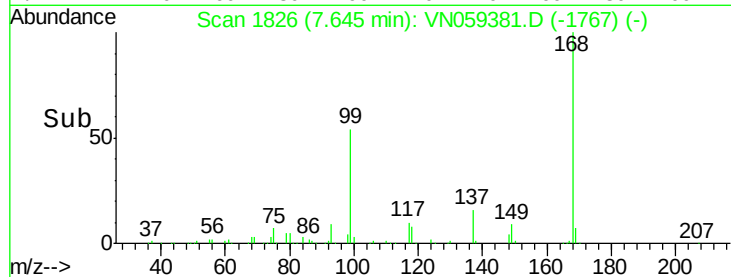
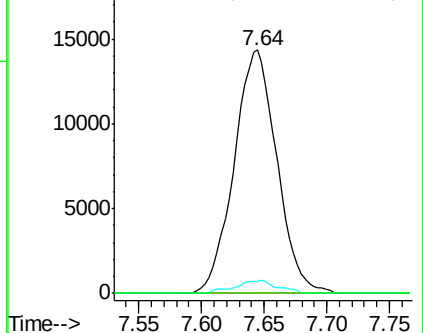
121 0.0 24.4 36.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.106 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059381.D

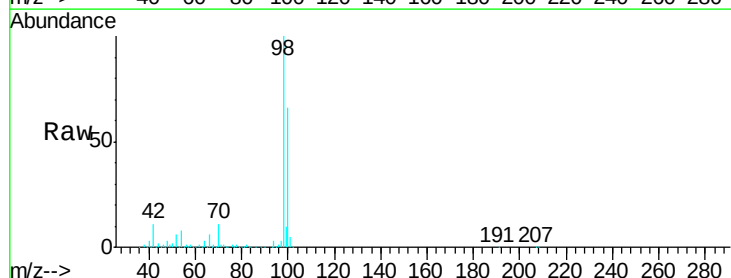
Acq: 25 Nov 2019 14:23

Tgt Ion: 98 Resp: 660482

Ion Ratio Lower Upper

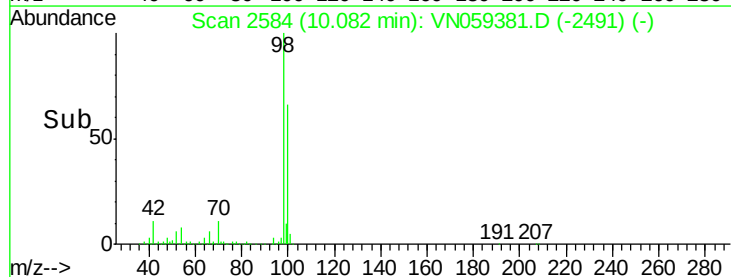
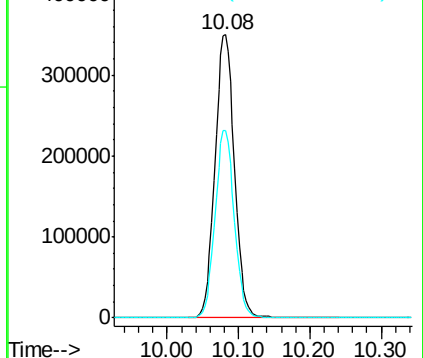
98 100

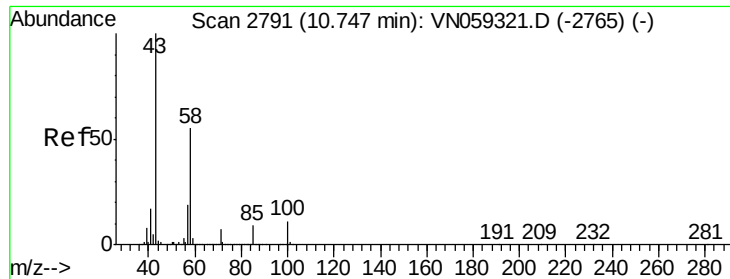
100 65.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

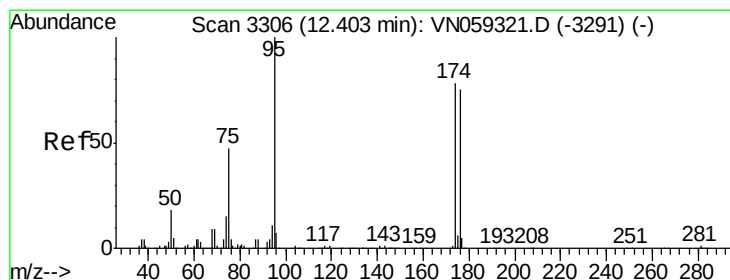
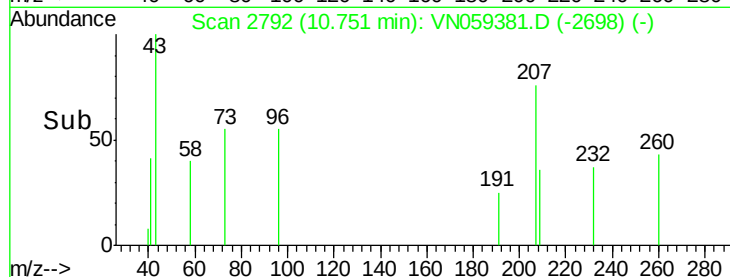
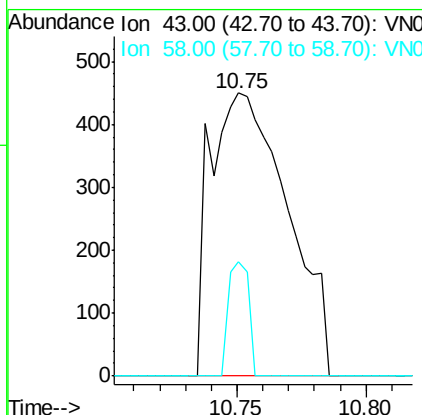
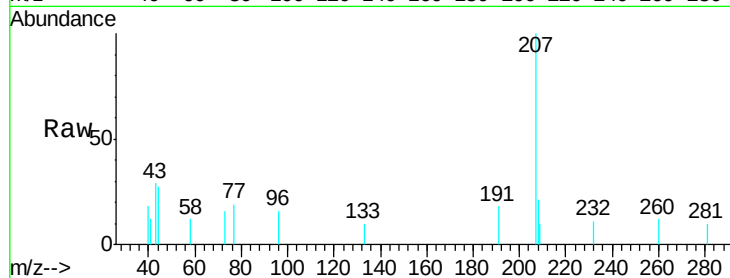




#59
 2-Hexanone
 Concen: 0.234 ug/l
 RT: 10.75 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

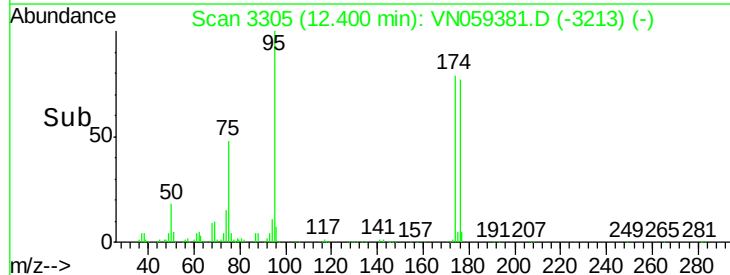
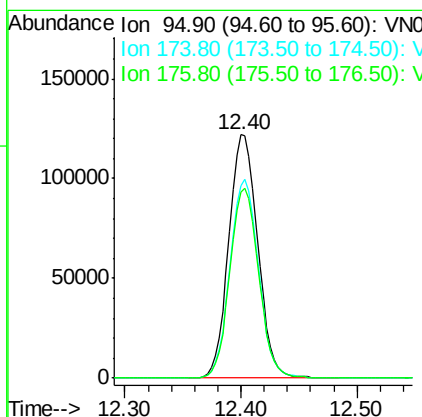
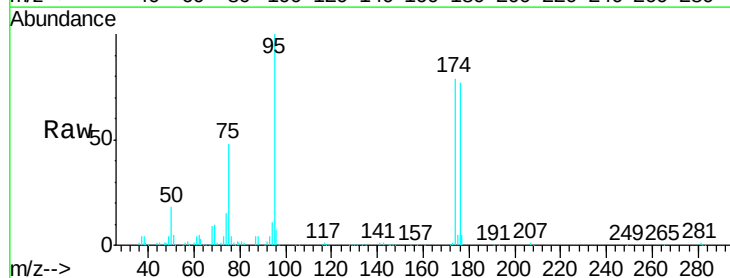
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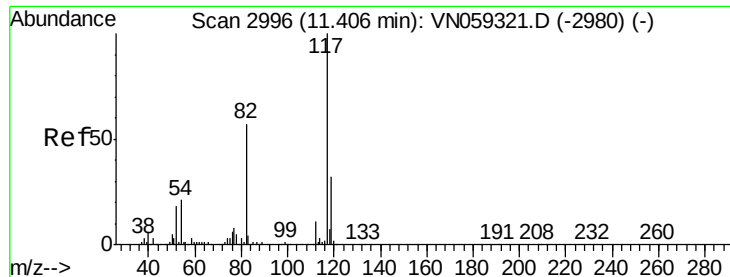
Tgt Ion: 43 Resp: 939
 Ion Ratio Lower Upper
 43 100
 58 10.5 27.7 83.0#



#62
 4-Bromofluorobenzene
 Concen: 45.863 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

Tgt Ion: 95 Resp: 211384
 Ion Ratio Lower Upper
 95 100
 174 80.6 0.0 157.4
 176 77.5 0.0 151.2

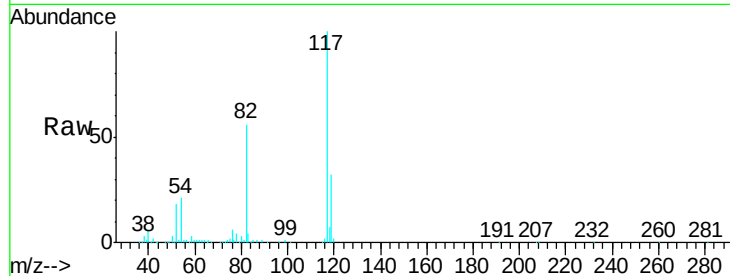




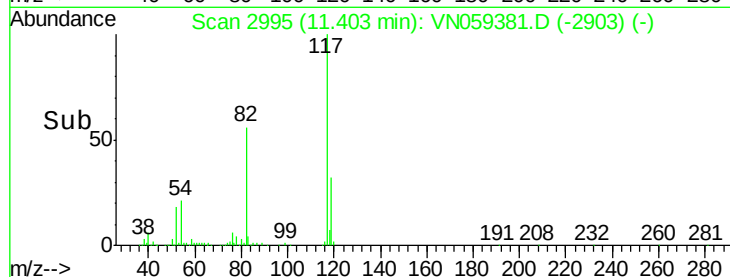
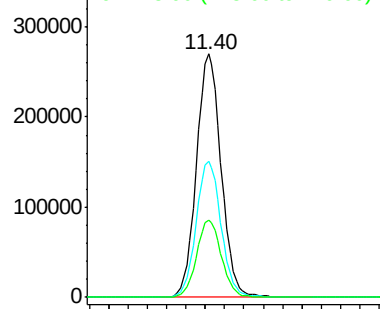
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059381.D
Acq: 25 Nov 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :
VN1125WBL01

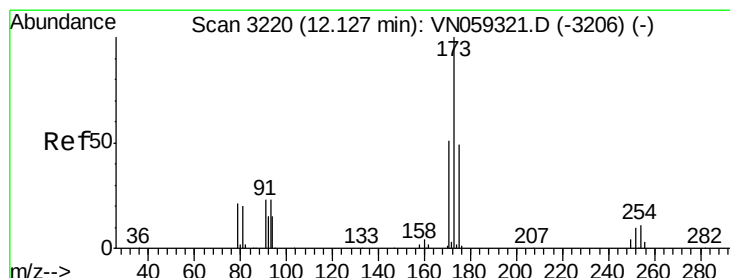
Tgt Ion:117 Resp: 477689
Ion Ratio Lower Upper
117 100
82 55.9 45.7 68.5
119 31.8 25.8 38.6



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

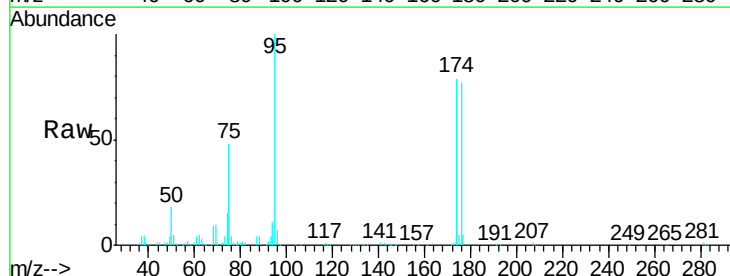


Time-->

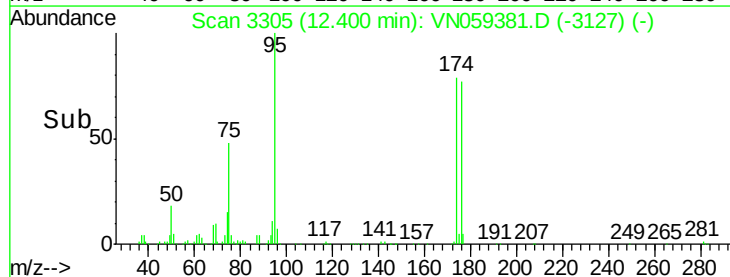
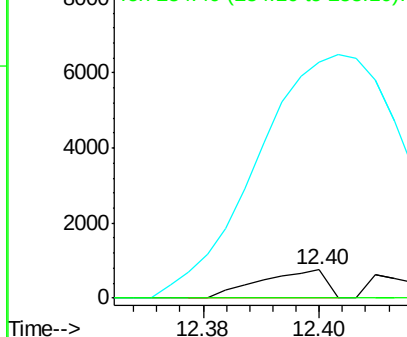


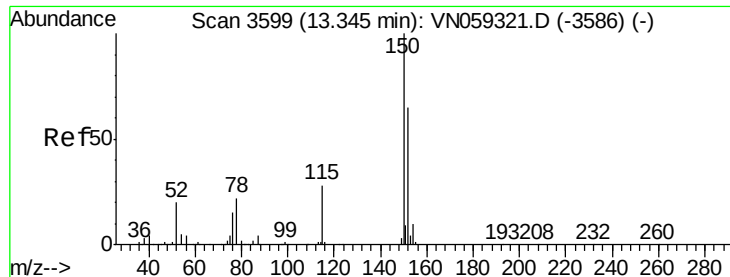
#71
Bromoform
Concen: 0.209 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059381.D
Acq: 25 Nov 2019 14:23

Tgt Ion:173 Resp: 590
Ion Ratio Lower Upper
173 100
175 1699.3 24.6 73.6#
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# 3599

Delta R.T. 0.00 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBL01

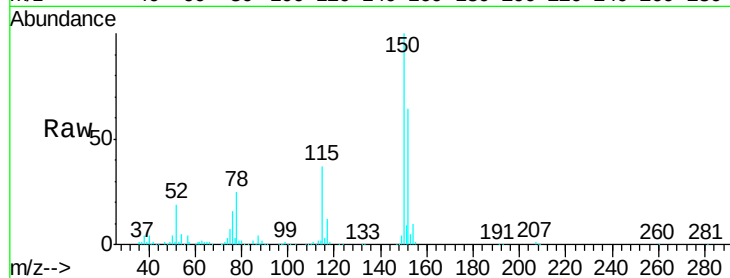
Tgt Ion: 152 Resp: 175994

Ion Ratio Lower Upper

152 100

115 58.6 29.3 88.0

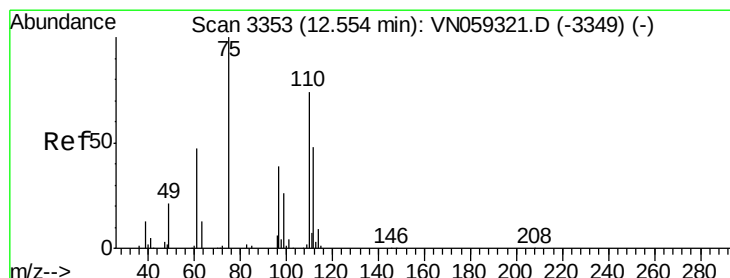
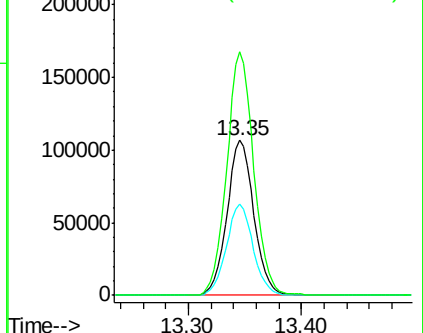
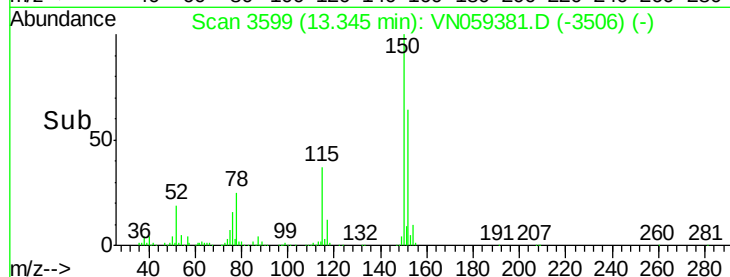
150 157.9 0.0 346.0



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



#76

1,2,3-Trichloropropane

Concen: 24.961 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059381.D

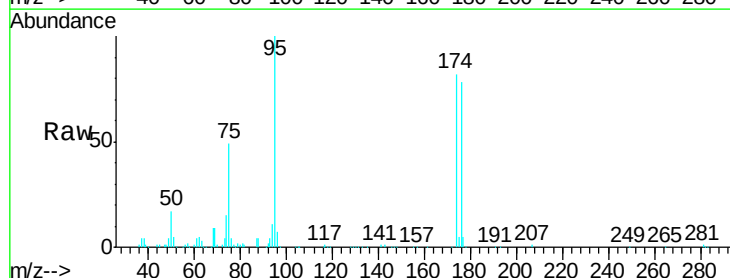
Acq: 25 Nov 2019 14:23

Tgt Ion: 75 Resp: 101487

Ion Ratio Lower Upper

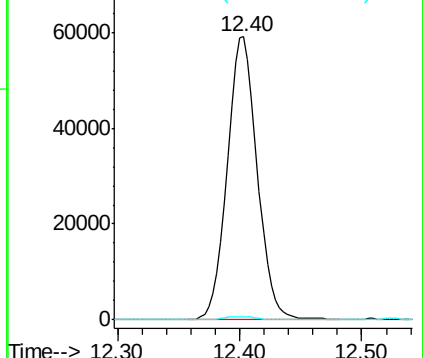
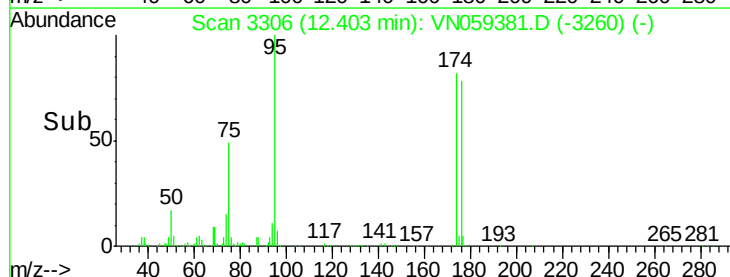
75 100

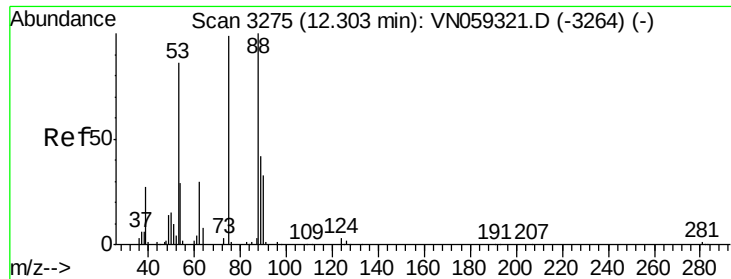
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 62.430 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

VN1125WBL01

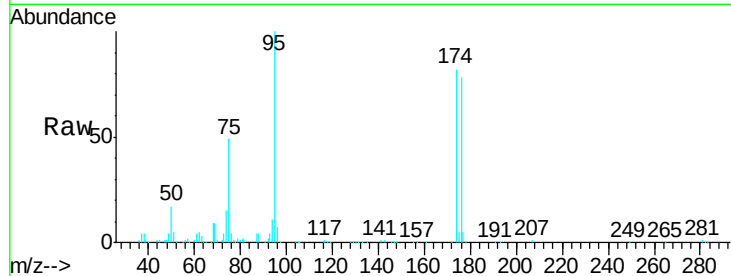
Tgt Ion: 75 Resp: 101487

Ion Ratio Lower Upper

75 100

53 0.0 70.7 106.1#

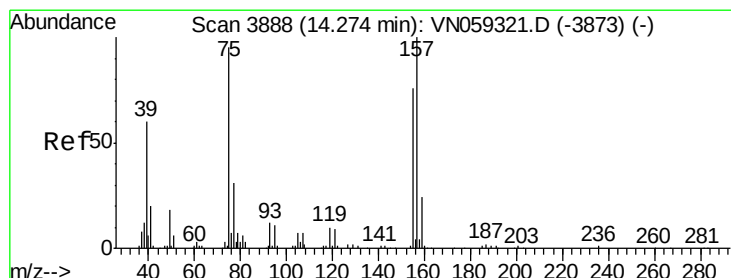
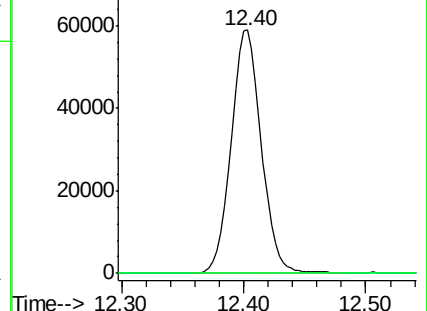
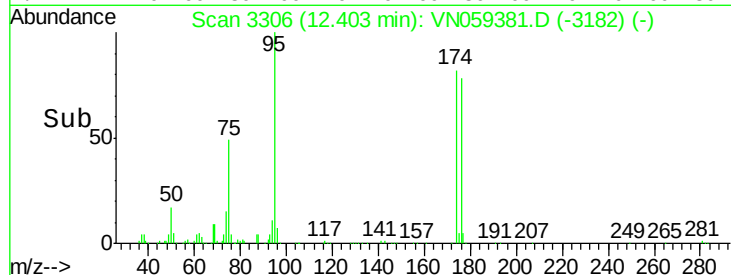
89 0.0 35.4 53.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.235 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059381.D

Acq: 25 Nov 2019 14:23

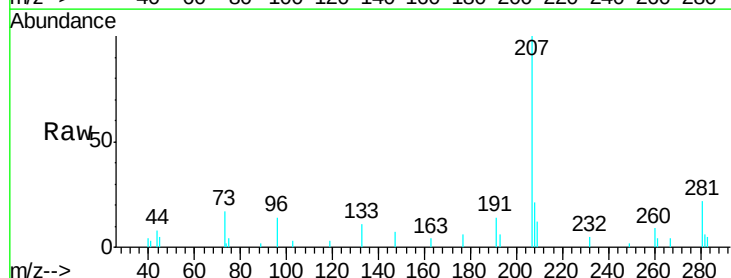
Tgt Ion: 75 Resp: 238

Ion Ratio Lower Upper

75 100

155 0.0 40.5 121.5#

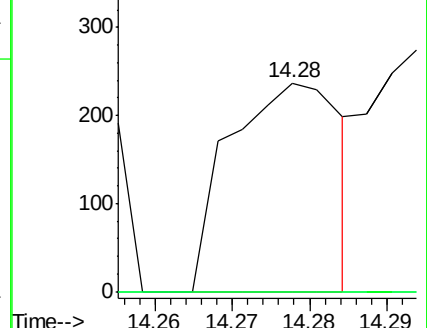
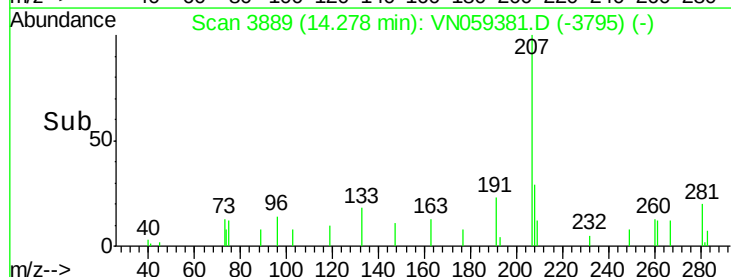
157 0.0 52.7 158.1#

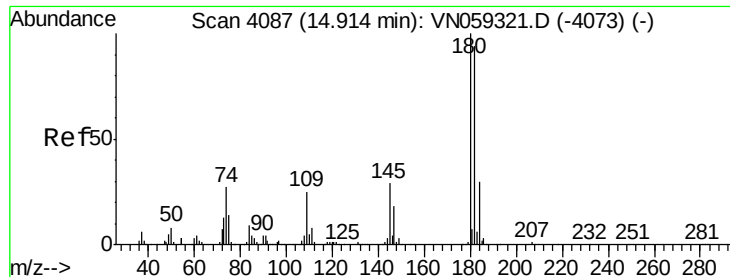


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

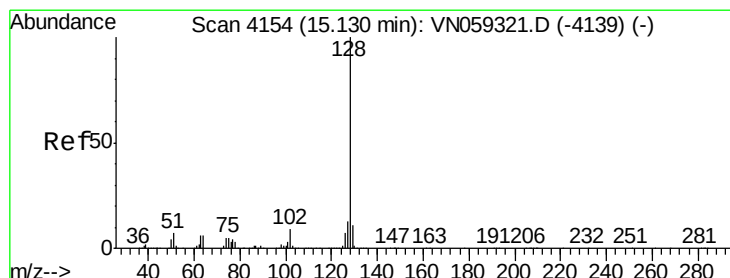
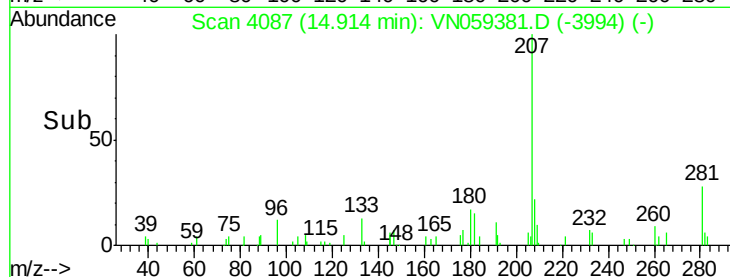
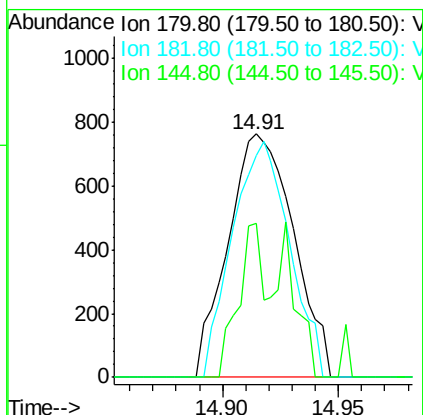
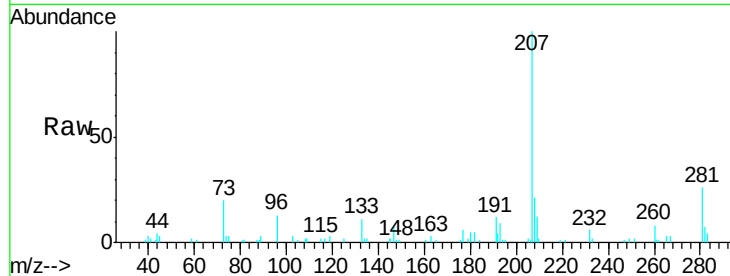




#93
 1,2,4-Trichlorobenzene
 Concen: 3.314 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

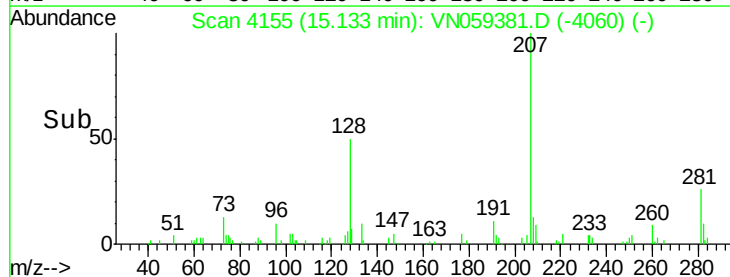
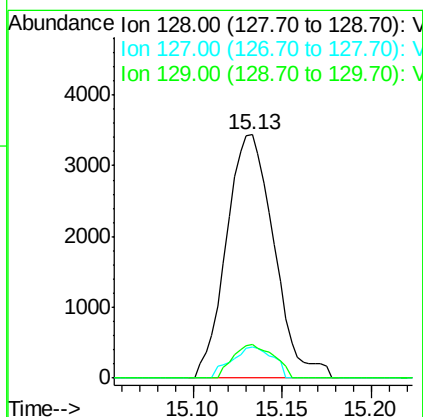
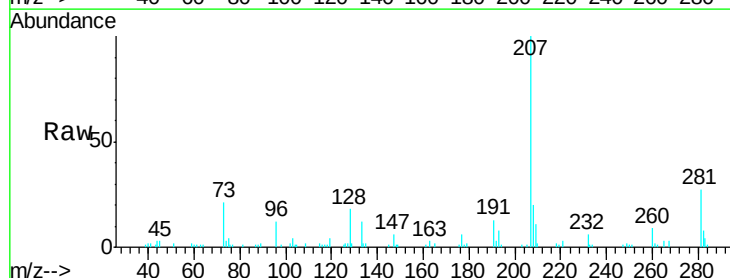
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

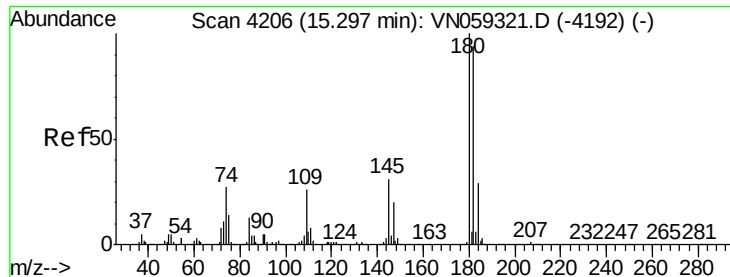
Tgt Ion:180 Resp: 1494
 Ion Ratio Lower Upper
 180 100
 182 84.8 47.2 141.6
 145 26.2 14.9 44.5



#95
 Naphthalene
 Concen: 3.745 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

Tgt Ion:128 Resp: 6391
 Ion Ratio Lower Upper
 128 100
 127 11.1 10.2 15.2
 129 11.8 8.6 13.0

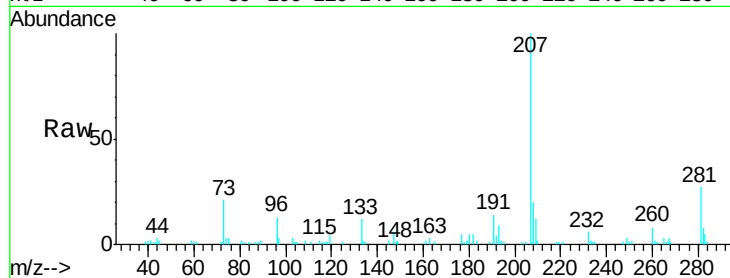




#96
 1,2,3-Trichlorobenzene
 Concen: 2.468 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN059381.D
 Acq: 25 Nov 2019 14:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1125WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.9	47.1	141.4
145	35.6	15.6	46.8



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

