

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091619\
 Data File : VN058107.D
 Acq On : 16 Sep 2019 11:00
 Operator : JC/SP
 Sample : K4871-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11

Quant Time: Sep 17 03:48:01 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	296178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	481935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	432034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	232220	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	334658	55.79	ug/l	0.00
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	7.58	113	230884	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
50) Toluene-d8	10.09	98	878082	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	293215	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	

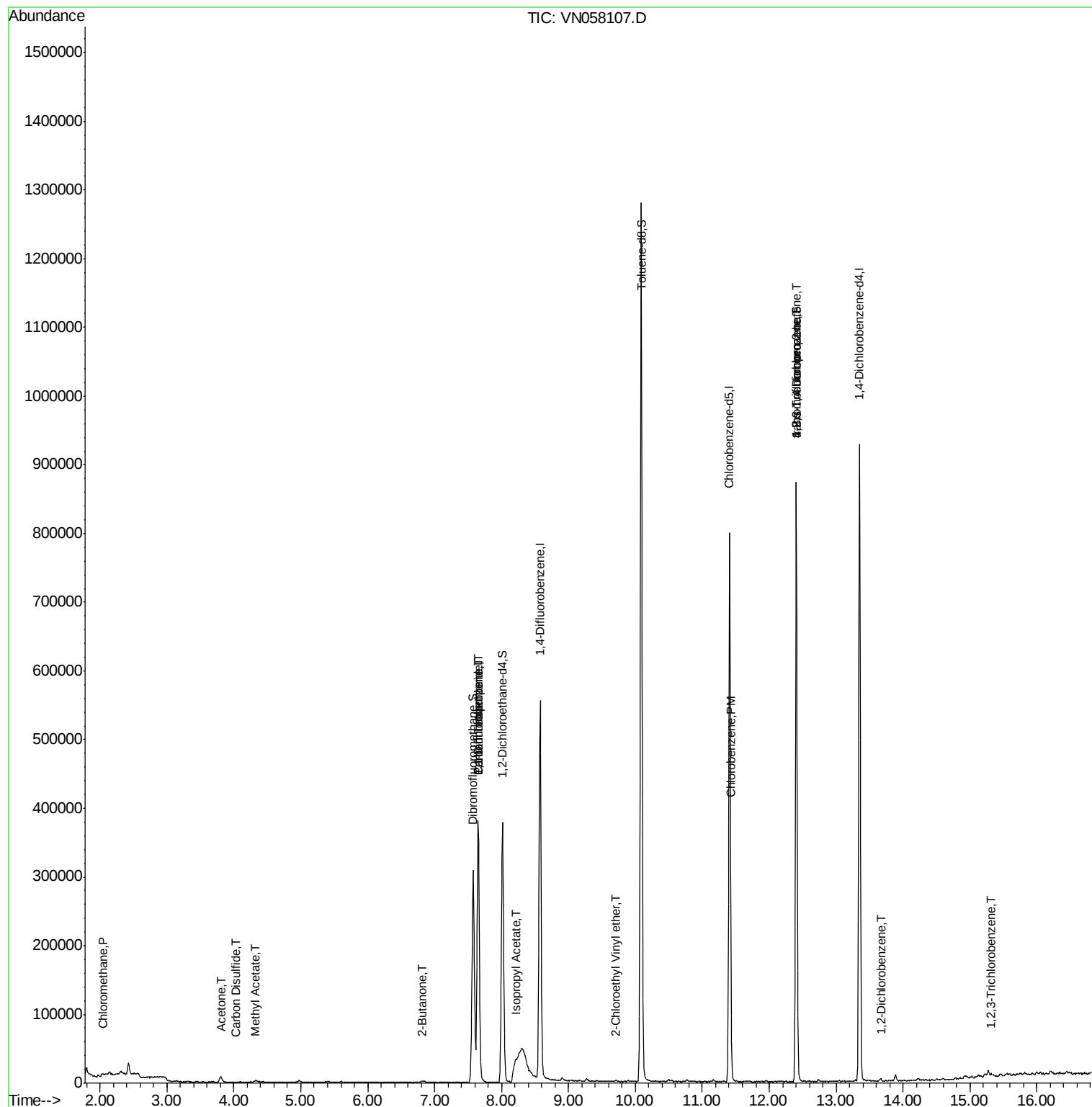
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1287	0.308	ug/l #	77
5) Bromomethane	2.55	94	299	Below Cal		82
16) Acetone	3.80	43	14363	7.304	ug/l	97
17) Carbon Disulfide	4.04	76	371	0.234	ug/l #	75
18) Methyl Acetate	4.31	43	2186	0.417	ug/l #	67
20) Methylene Chloride	4.54	84	69	Below Cal	#	4
25) 2-Butanone	6.82	43	1426	0.501	ug/l	97
31) Cyclohexane	7.65	56	7488	Below Cal	#	2
36) 1,1-Dichloropropene	7.65	75	25720	4.602	ug/l #	50
38) Carbon Tetrachloride	7.65	117	30596	5.996	ug/l #	15
43) Isopropyl Acetate	8.21	43	27461	2.828	ug/l #	58
58) 2-Chloroethyl Vinyl ether	9.70	63	1227	0.385	ug/l #	50
65) Chlorobenzene	11.43	112	3120	0.276	ug/l #	83
76) 1,2,3-Trichloropropane	12.41	75	155874	29.672	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	155874	104.417	ug/l #	6
91) 1,2-Dichlorobenzene	13.66	146	1834	0.223	ug/l #	71
95) Naphthalene	15.14	128	2781	Below Cal	#	84
96) 1,2,3-Trichlorobenzene	15.31	180	740	1.152	ug/l #	67

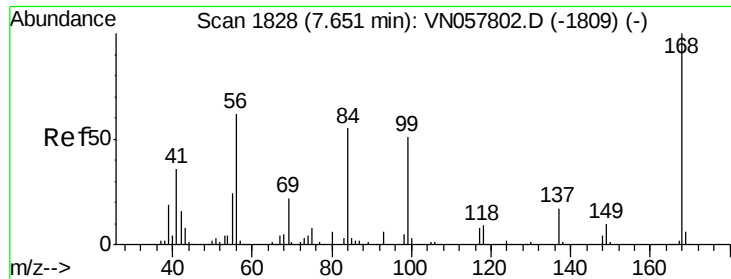
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1828

Delta R.T. 0.00 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

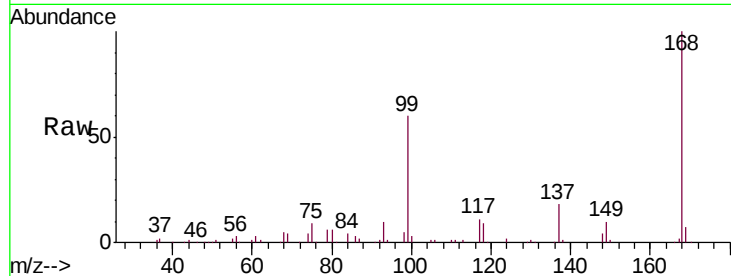
VE-4-11

Tgt Ion: 168 Resp: 296178

Ion Ratio Lower Upper

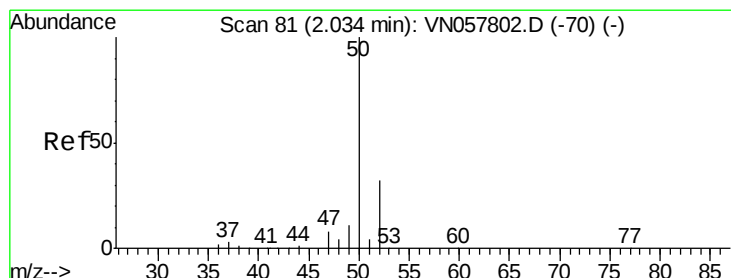
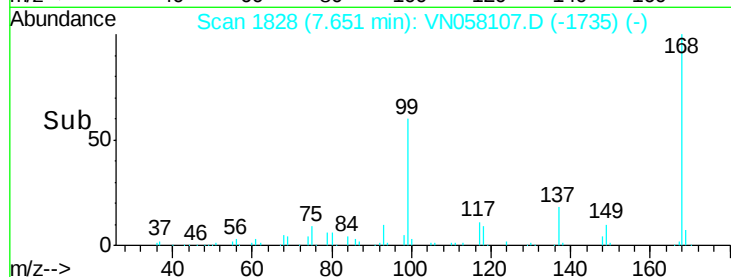
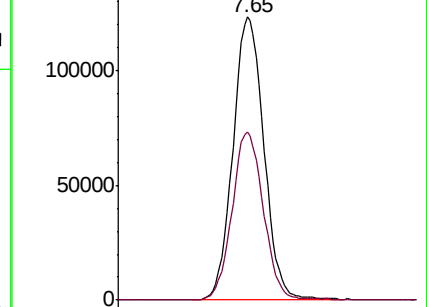
168 100

99 59.5 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.308 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058107.D

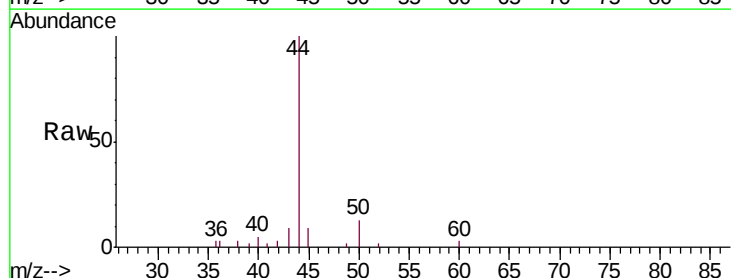
Acq: 16 Sep 2019 11:00

Tgt Ion: 50 Resp: 1287

Ion Ratio Lower Upper

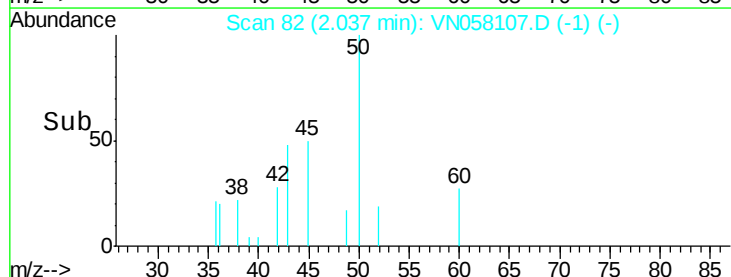
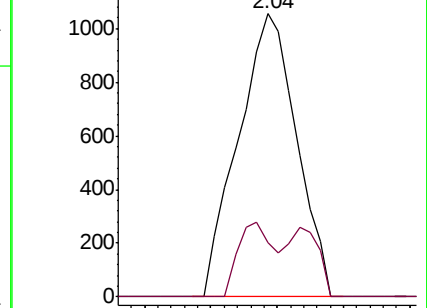
50 100

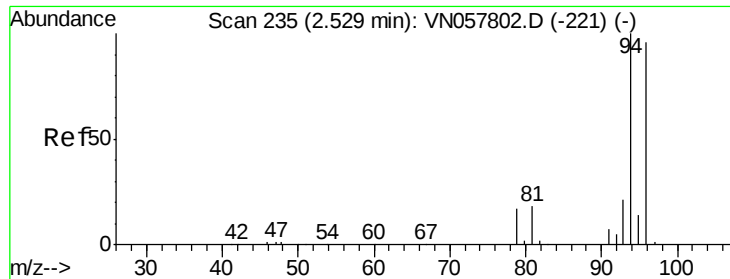
52 19.0 25.5 38.3#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

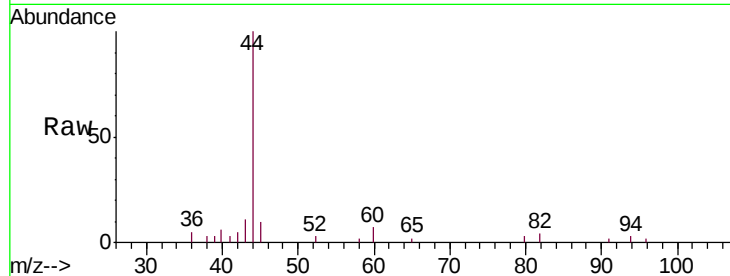
VE-4-11

Tgt Ion: 94 Resp: 299

Ion Ratio Lower Upper

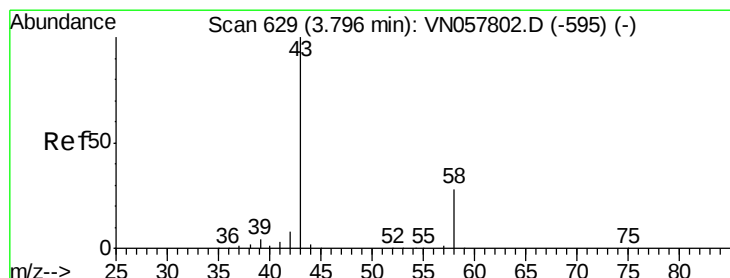
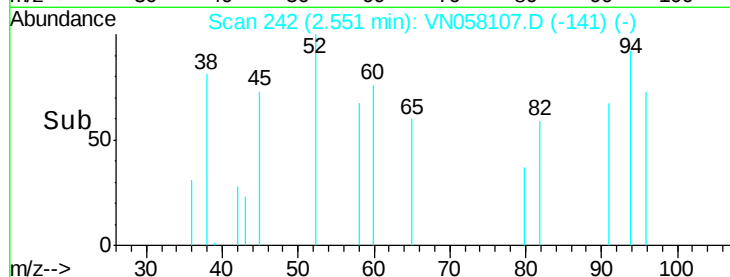
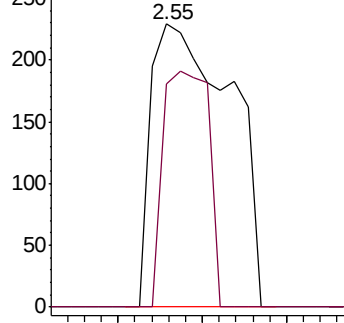
94 100

96 79.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 7.304 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058107.D

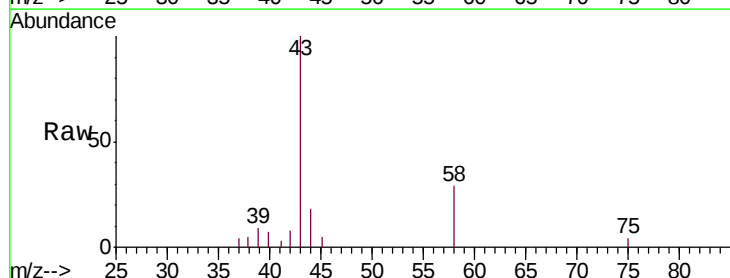
Acq: 16 Sep 2019 11:00

Tgt Ion: 43 Resp: 14363

Ion Ratio Lower Upper

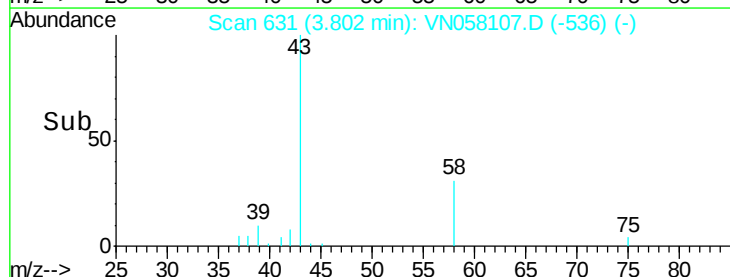
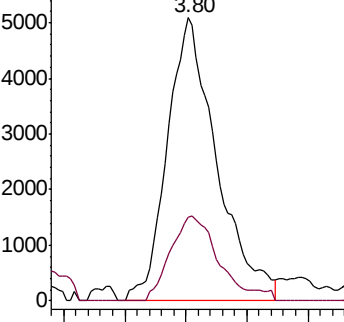
43 100

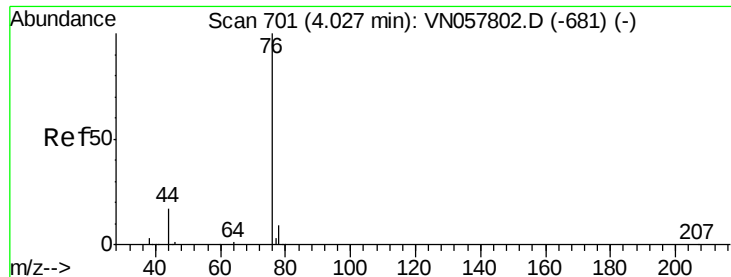
58 29.4 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

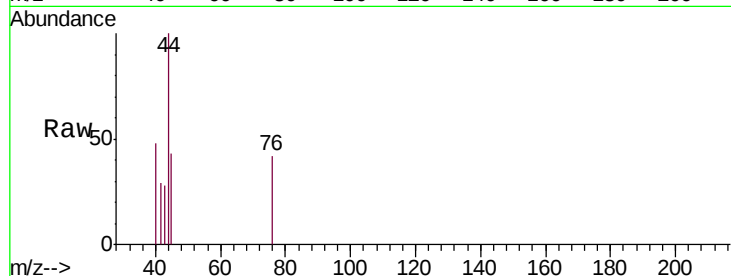
VE-4-11

Tgt Ion: 76 Resp: 371

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250

200

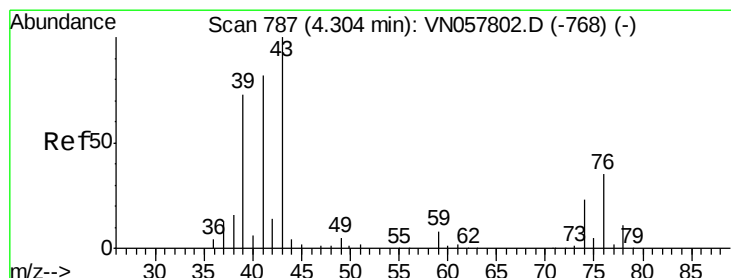
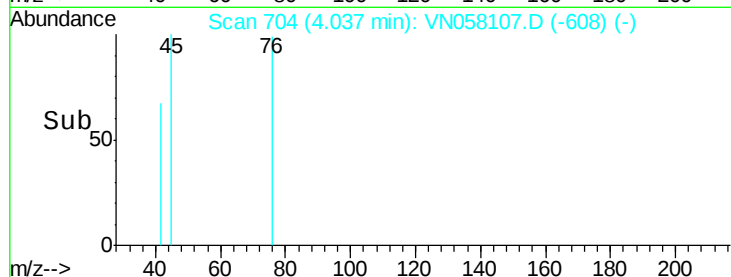
150

100

50

0

Time--> 4.00 4.02 4.04 4.06



#18

Methyl Acetate

Concen: 0.417 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058107.D

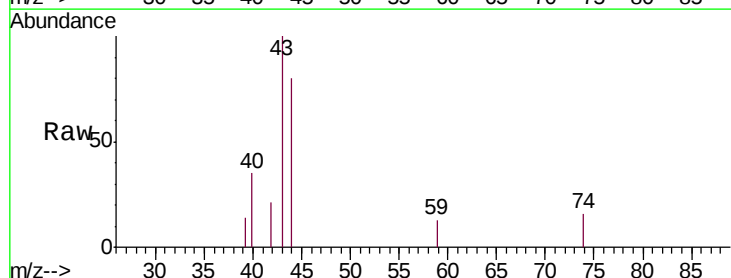
Acq: 16 Sep 2019 11:00

Tgt Ion: 43 Resp: 2186

Ion Ratio Lower Upper

43 100

74 6.5 17.9 26.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

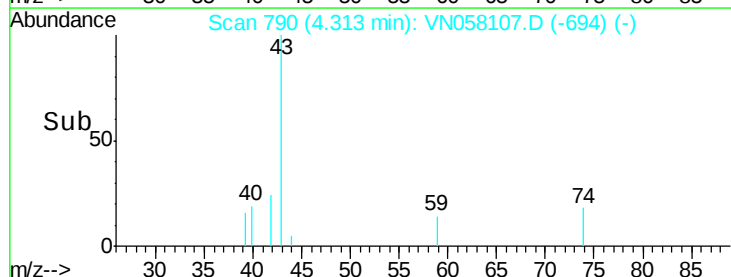
4.31

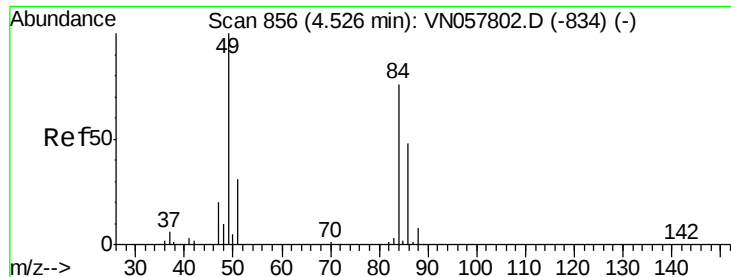
1000

500

0

Time--> 4.26 4.28 4.30 4.32





#20

Methylene Chloride

Concen: Below Cal

RT: 4.54 min Scan# 861

Delta R.T. 0.02 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

VE-4-11

Tgt Ion: 84 Resp: 69

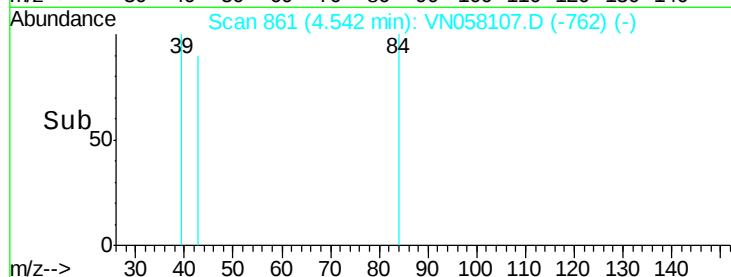
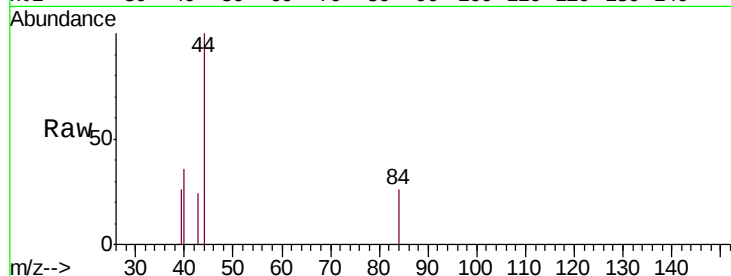
Ion Ratio Lower Upper

84 100

49 0.0 104.8 157.2#

51 0.0 33.0 49.4#

86 0.0 50.5 75.7#

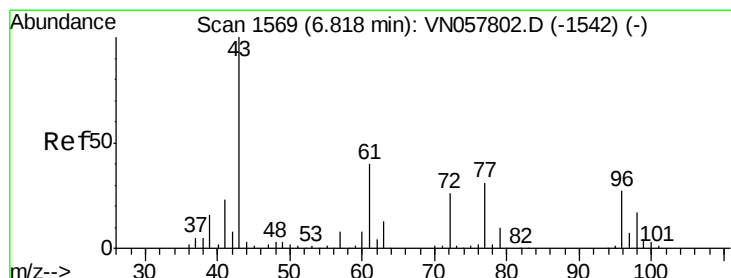
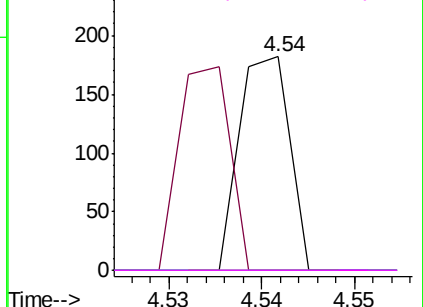


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25

2-Butanone

Concen: 0.501 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058107.D

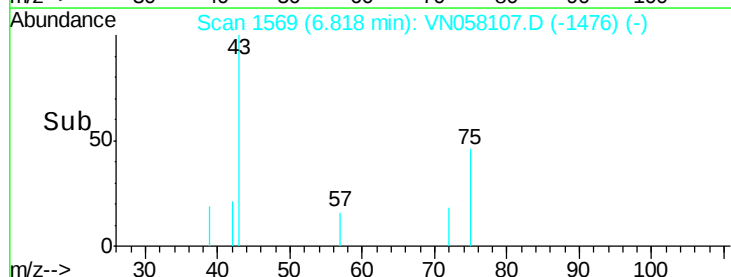
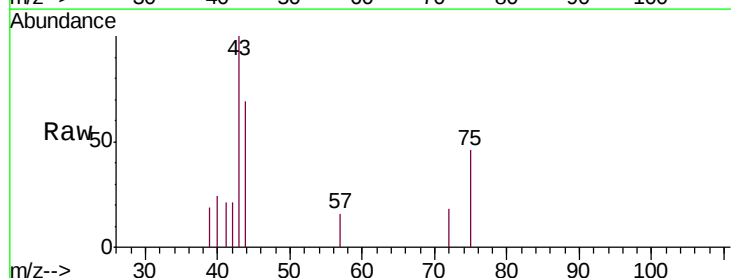
Acq: 16 Sep 2019 11:00

Tgt Ion: 43 Resp: 1426

Ion Ratio Lower Upper

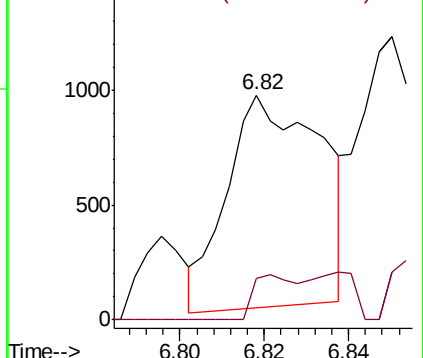
43 100

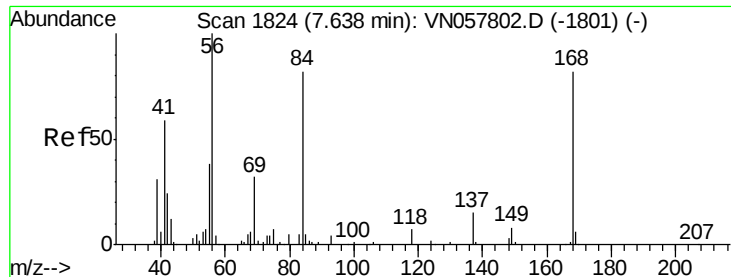
72 24.3 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

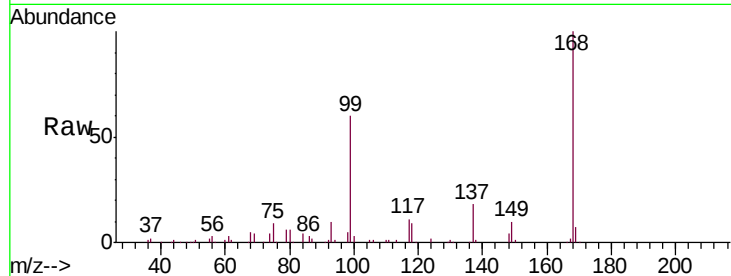




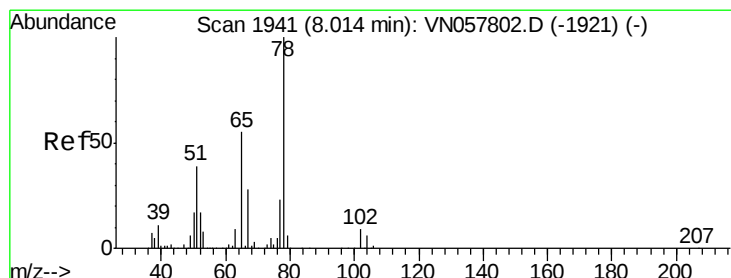
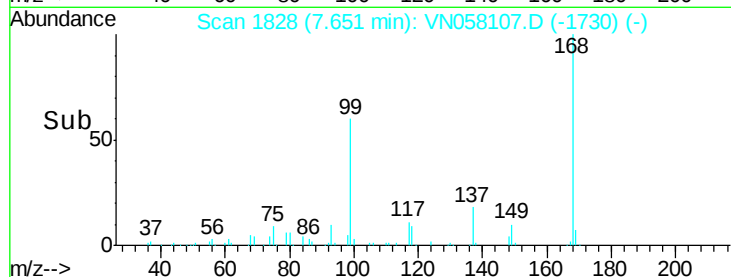
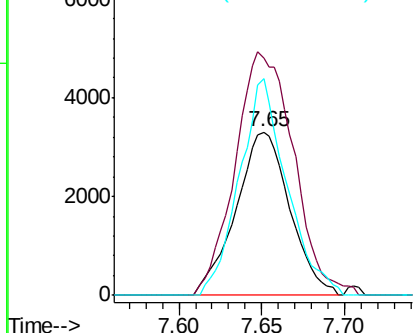
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Instrument :
MSVOA_N
ClientSampled :
VE-4-11

Tgt Ion: 56 Resp: 7488
Ion Ratio Lower Upper
56 100
69 145.2 25.9 38.9#
84 132.9 65.6 98.4#

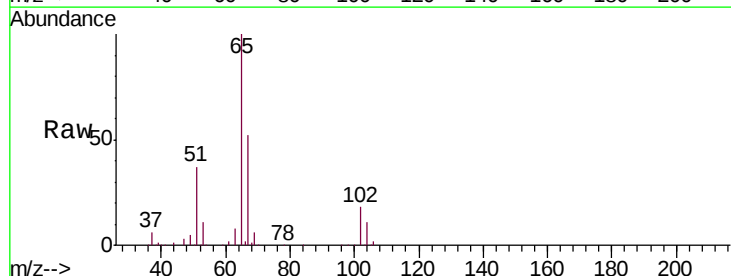


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

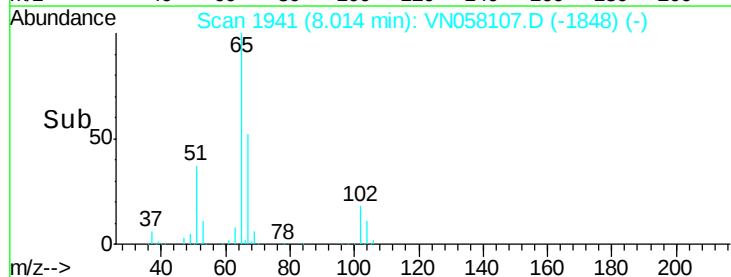
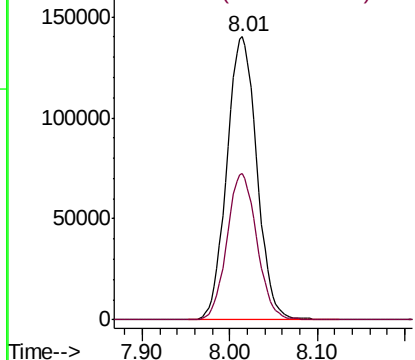


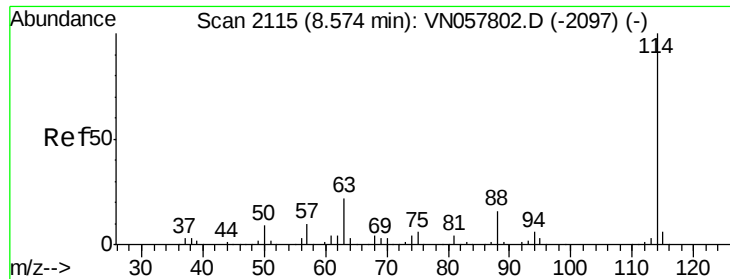
#33
1,2-Dichloroethane-d4
Concen: 55.787 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Tgt Ion: 65 Resp: 334658
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

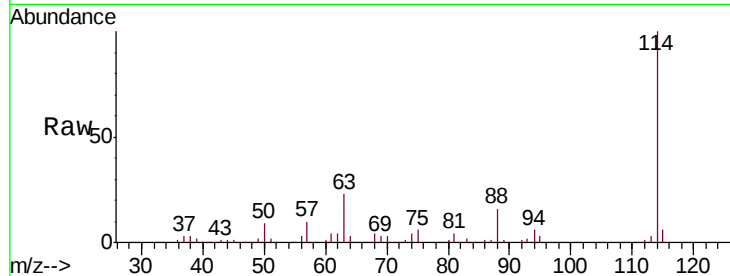




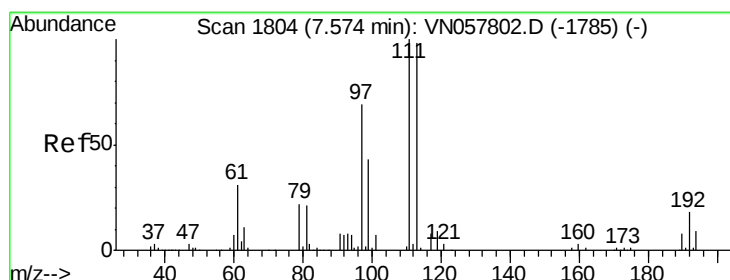
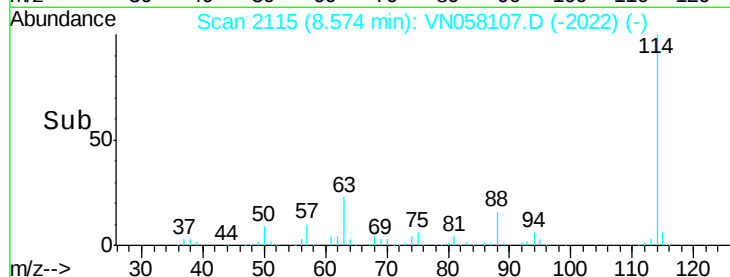
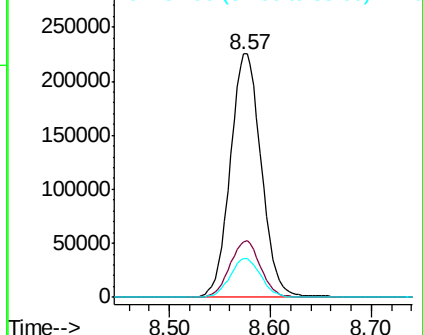
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058107.D
 Acq: 16 Sep 2019 11:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-4-11

Tgt Ion:114 Resp: 481935
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.0
 88 16.0 0.0 31.4

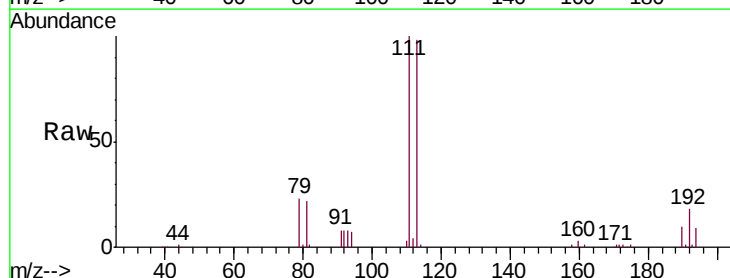


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

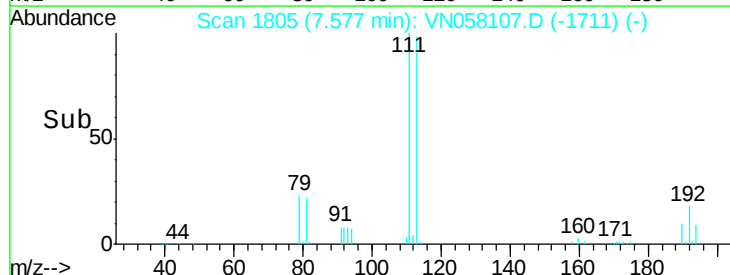
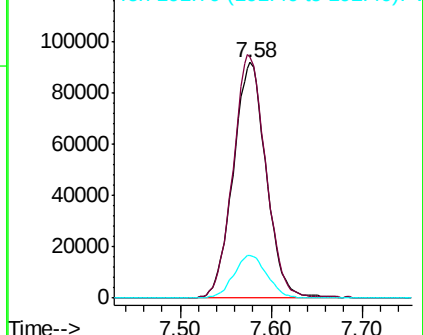


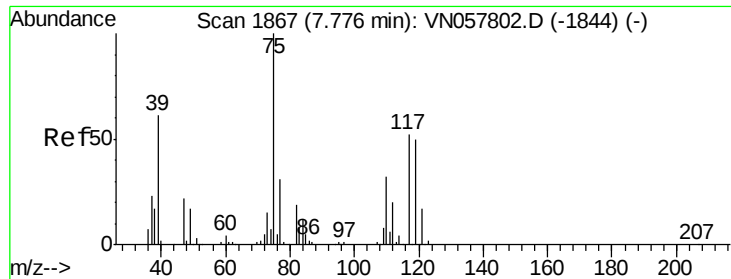
#35
 Dibromofluoromethane
 Concen: 51.907 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058107.D
 Acq: 16 Sep 2019 11:00

Tgt Ion:113 Resp: 230884
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.3 121.9
 192 18.4 14.6 22.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

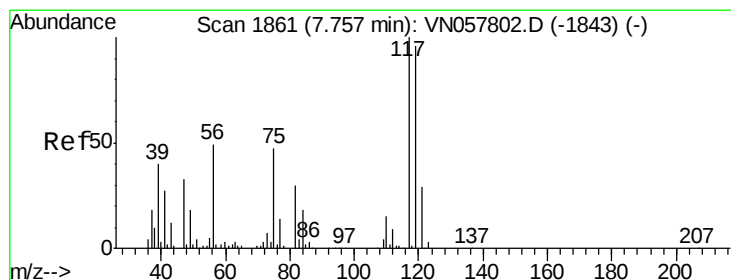
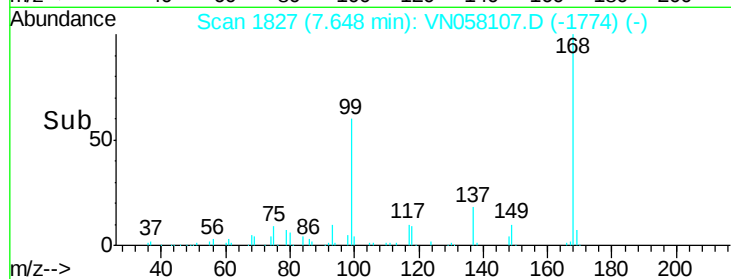
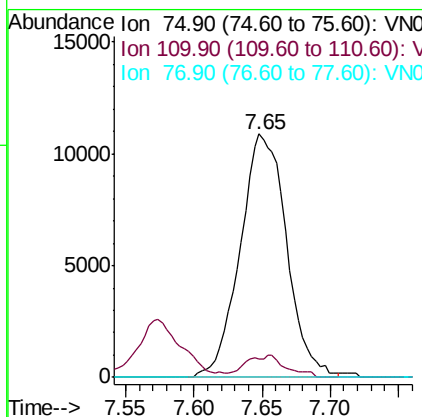
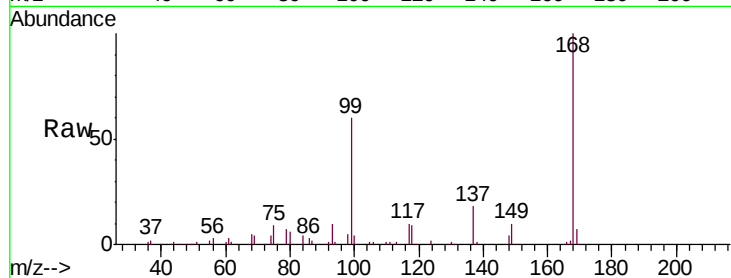




#36
 1,1-Dichloropropene
 Concen: 4.602 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058107.D
 Acq: 16 Sep 2019 11:00

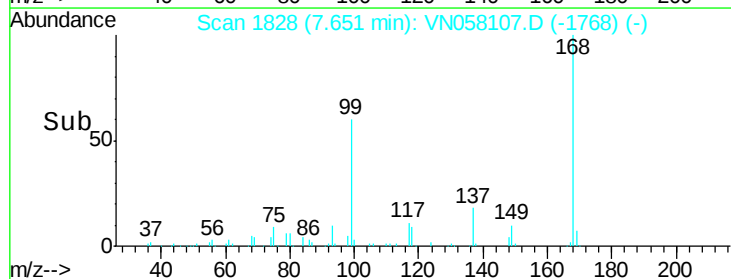
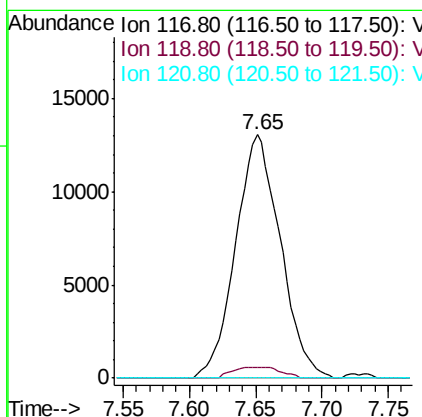
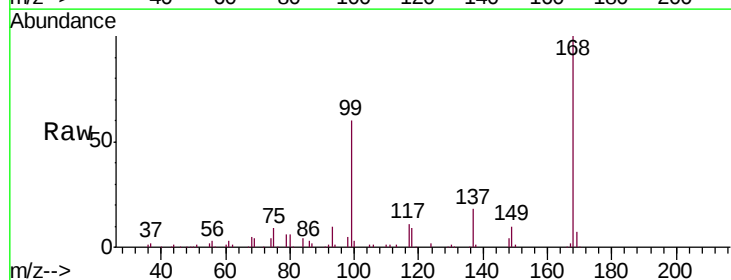
Instrument :
 MSVOA_N
 ClientSampled :
 VE-4-11

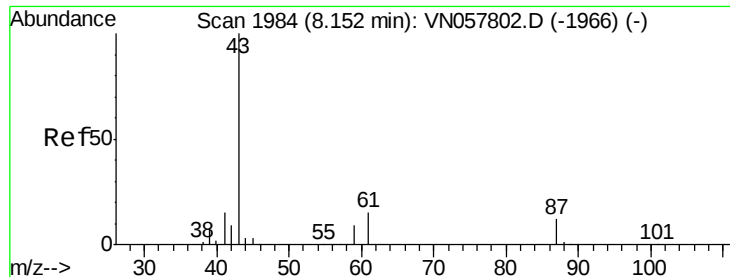
Tgt Ion: 75 Resp: 25720
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.3 48.9#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.996 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058107.D
 Acq: 16 Sep 2019 11:00

Tgt Ion: 117 Resp: 30596
 Ion Ratio Lower Upper
 117 100
 119 4.4 76.9 115.3#
 121 0.0 23.4 35.2#





#43

Isopropyl Acetate

Concen: 2.828 ug/l

RT: 8.21 min Scan# 2002

Delta R.T. 0.06 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

VE-4-11

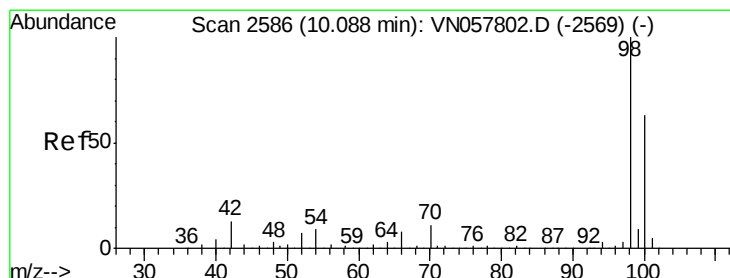
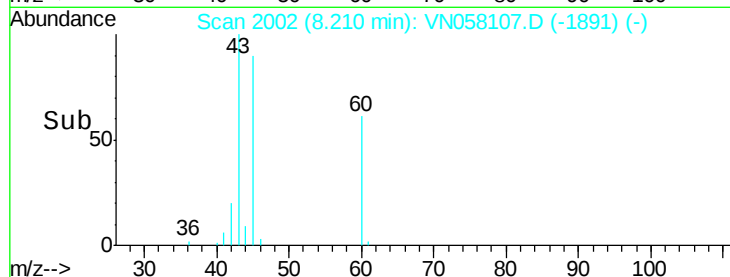
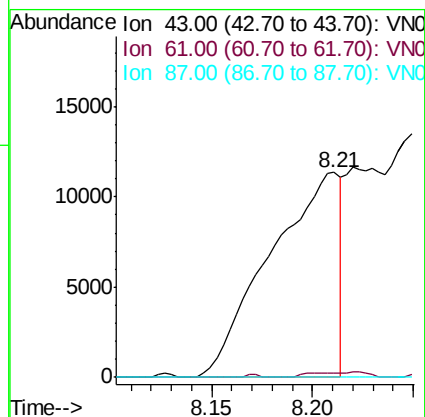
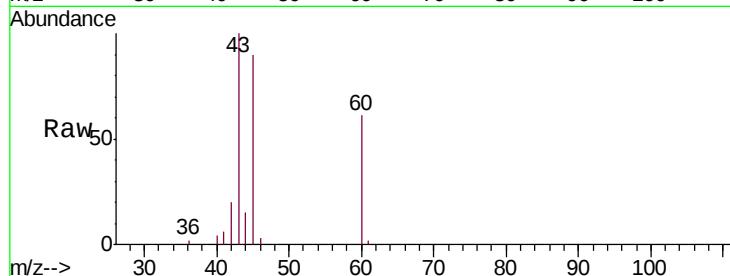
Tgt Ion: 43 Resp: 27461

Ion Ratio Lower Upper

43 100

61 1.2 20.1 30.1#

87 0.0 9.5 14.3#



#50

Toluene-d8

Concen: 50.845 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN058107.D

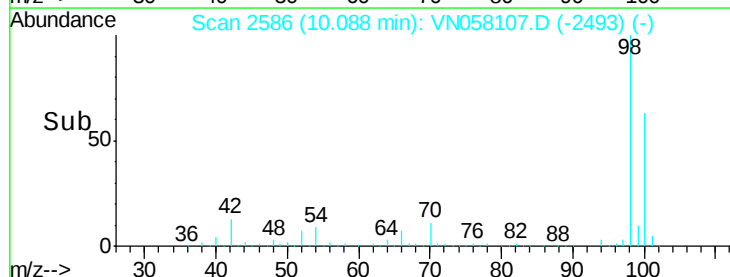
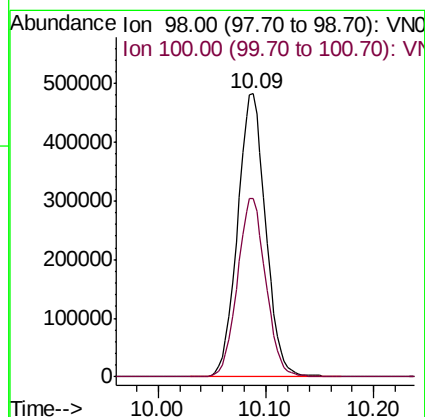
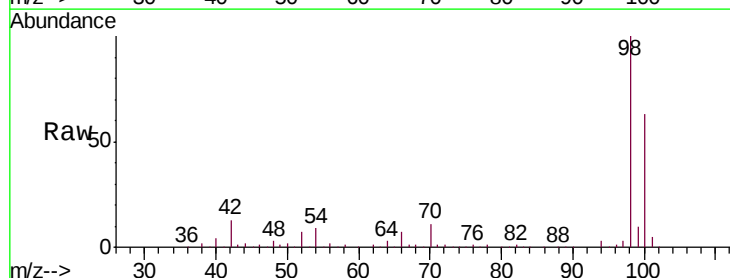
Acq: 16 Sep 2019 11:00

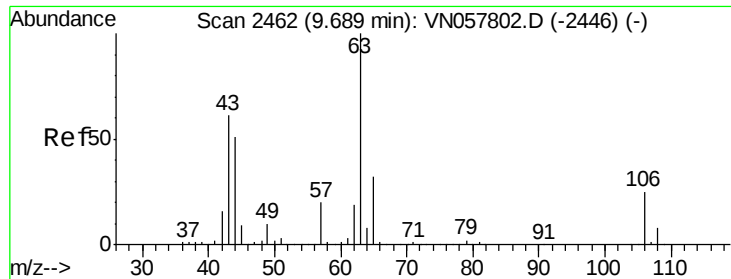
Tgt Ion: 98 Resp: 878082

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5





#58

2-Chloroethyl Vinyl ether

Concen: 0.385 ug/l

RT: 9.70 min Scan# 2466

Delta R.T. 0.01 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampleId :

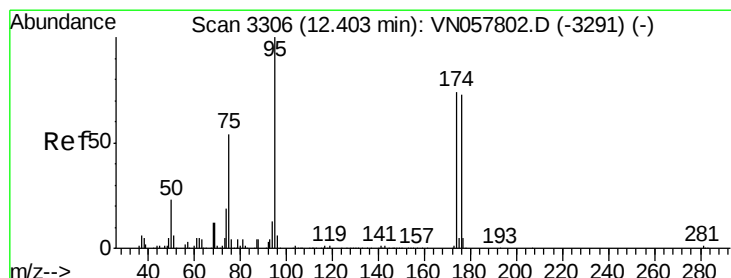
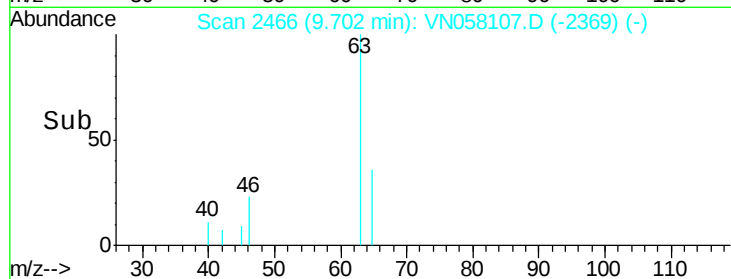
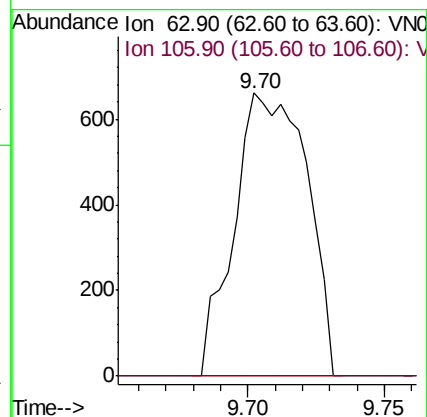
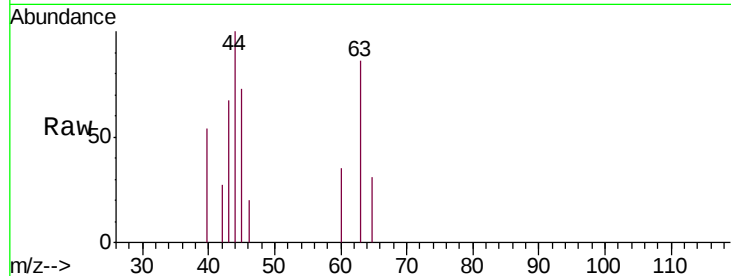
VE-4-11

Tgt Ion: 63 Resp: 1227

Ion Ratio Lower Upper

63 100

106 0.0 20.0 30.0#



#62

4-Bromofluorobenzene

Concen: 44.553 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

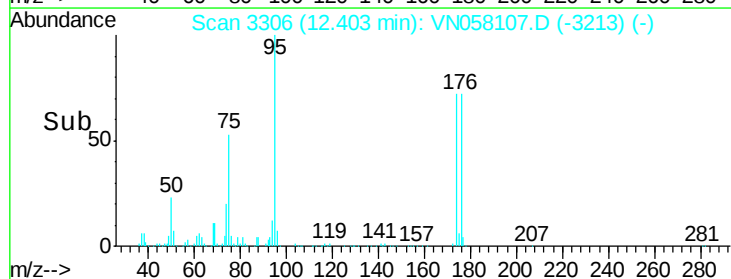
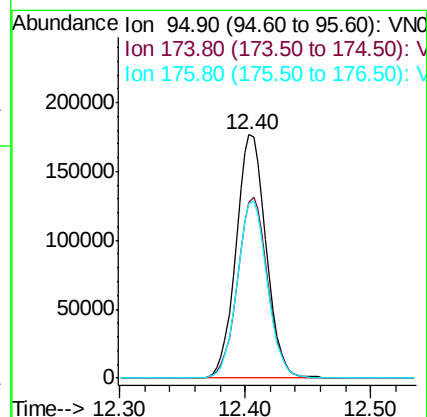
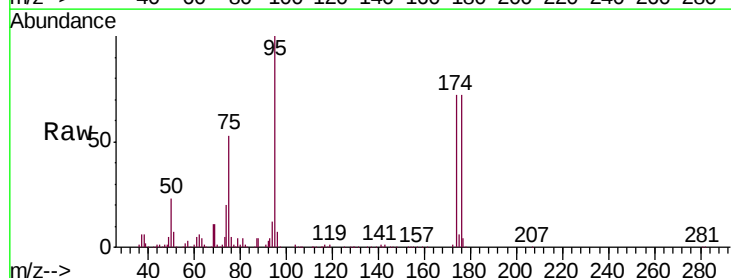
Tgt Ion: 95 Resp: 293215

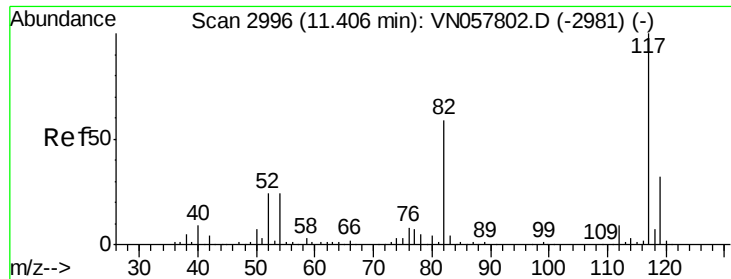
Ion Ratio Lower Upper

95 100

174 74.7 0.0 150.2

176 72.8 0.0 146.0

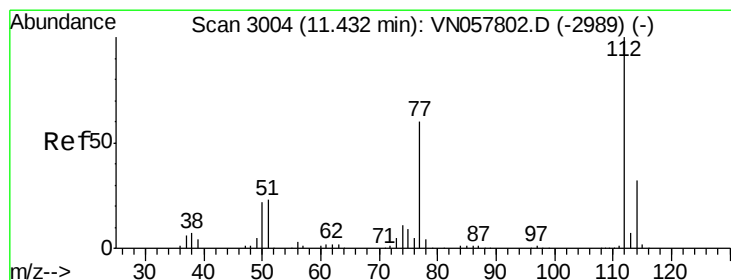
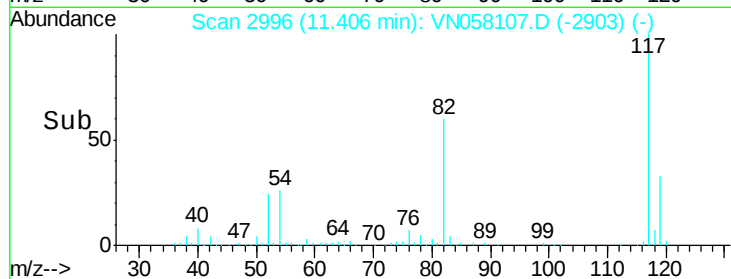
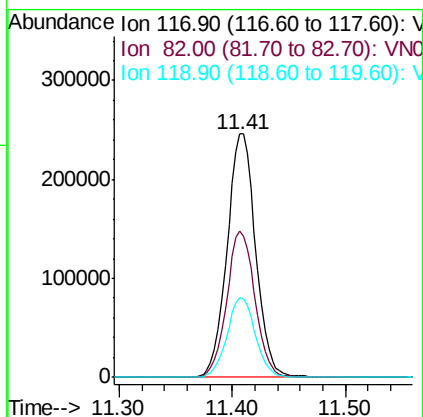
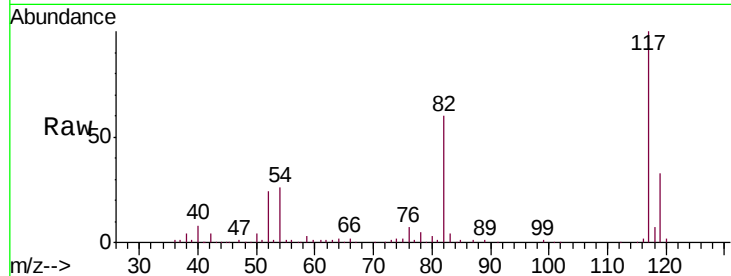




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

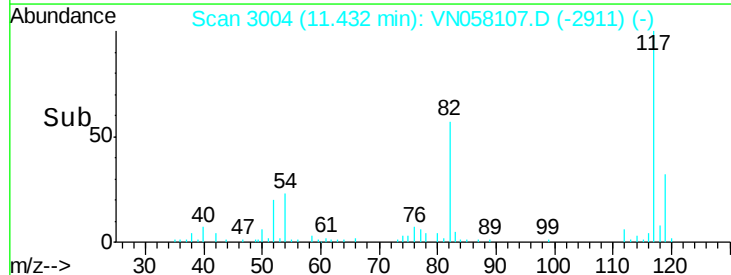
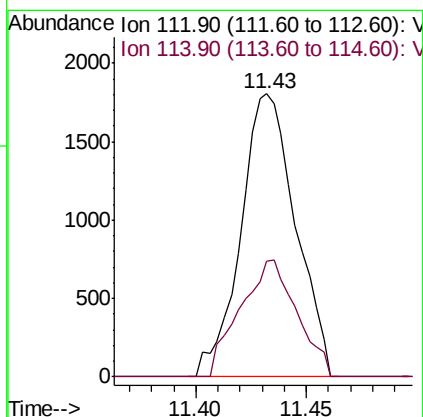
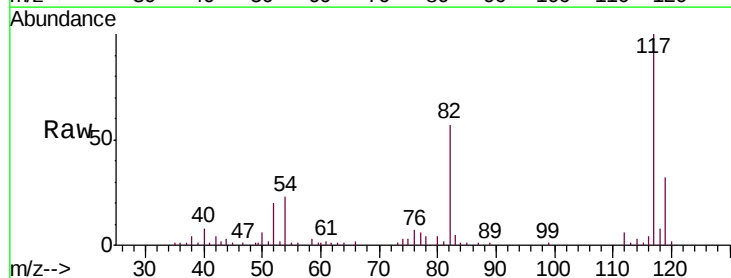
Instrument :
MSVOA_N
ClientSampleId :
VE-4-11

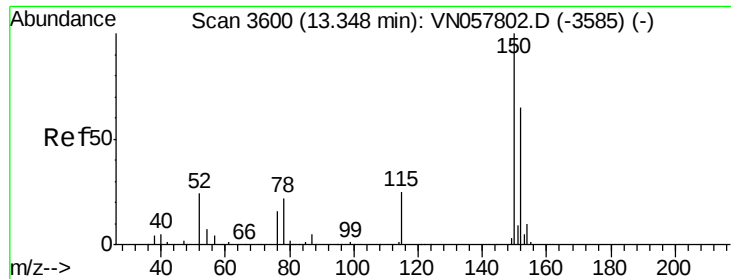
Tgt Ion:117 Resp: 432034
Ion Ratio Lower Upper
117 100
82 60.1 47.2 70.8
119 32.8 25.3 37.9



#65
Chlorobenzene
Concen: 0.276 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Tgt Ion:112 Resp: 3120
Ion Ratio Lower Upper
112 100
114 40.7 25.2 37.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058107.D

Acq: 16 Sep 2019 11:00

Instrument :

MSVOA_N

ClientSampled :

VE-4-11

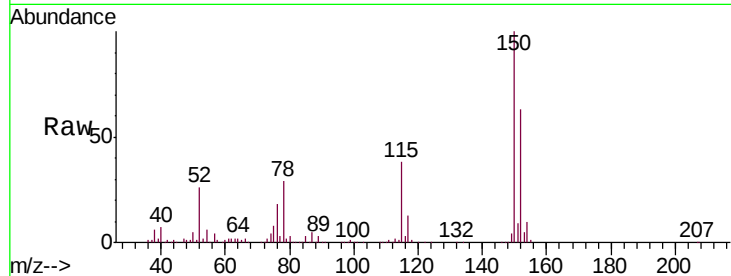
Tgt Ion: 152 Resp: 232220

Ion Ratio Lower Upper

152 100

115 60.0 30.3 91.0

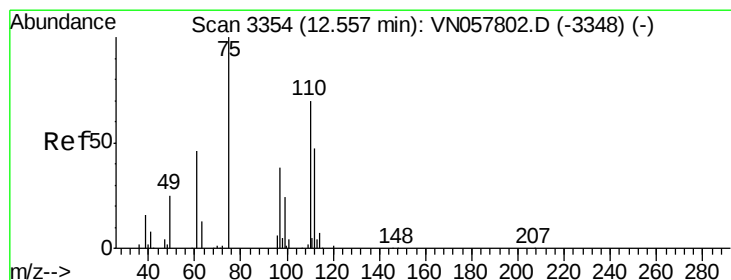
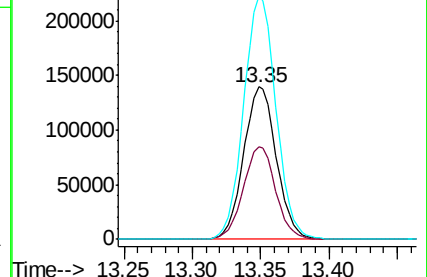
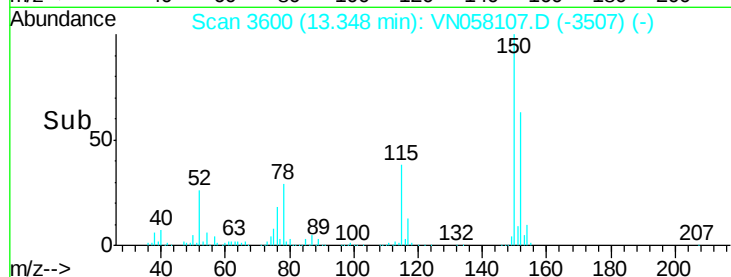
150 157.4 0.0 352.4



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



#76

1,2,3-Trichloropropane

Concen: 29.672 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058107.D

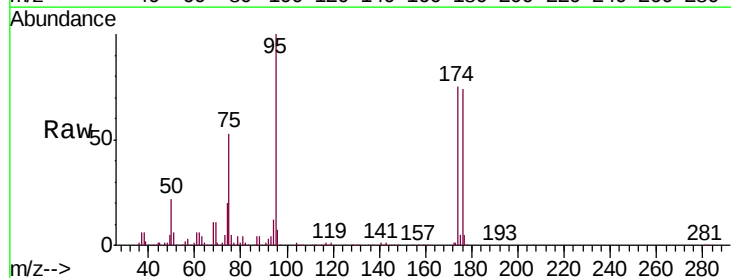
Acq: 16 Sep 2019 11:00

Tgt Ion: 75 Resp: 155874

Ion Ratio Lower Upper

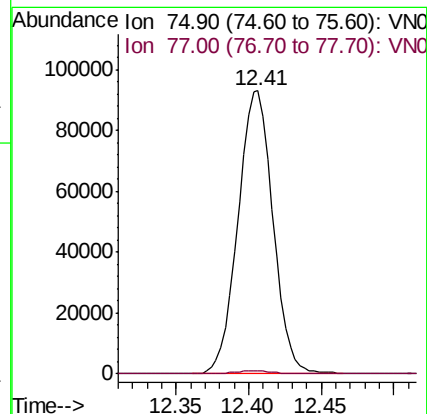
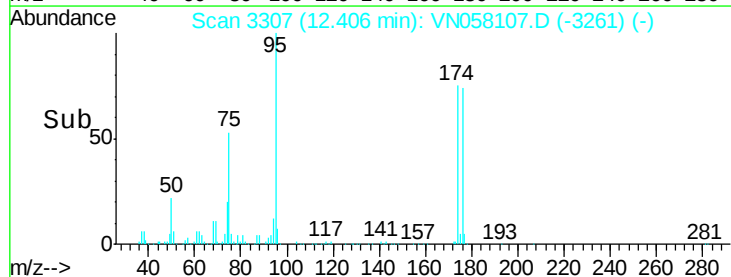
75 100

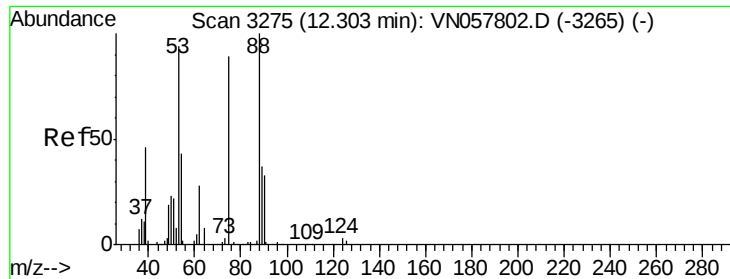
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

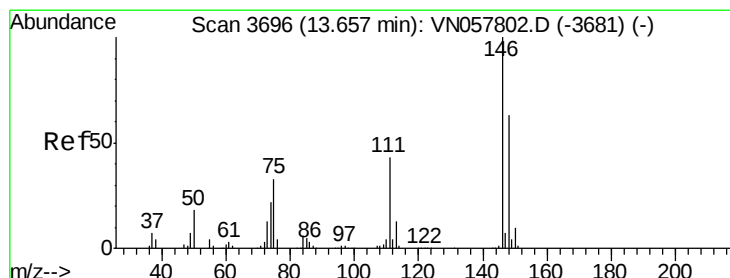
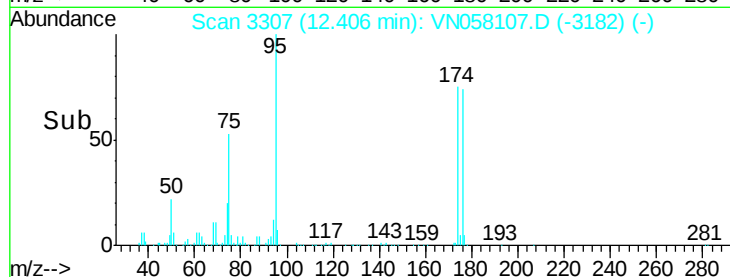
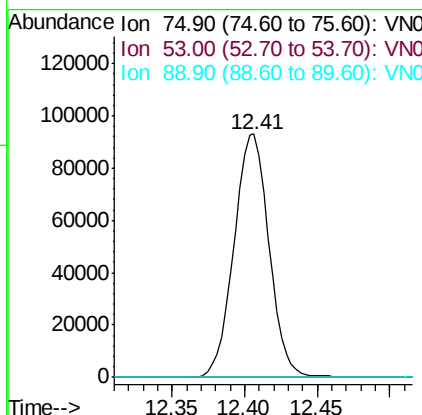
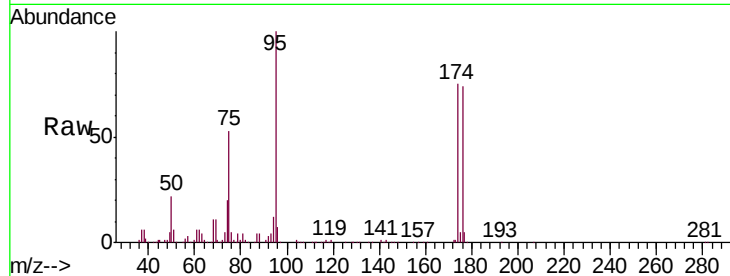




#81
trans-1,4-Dichloro-2-butene
Concen: 104.417 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

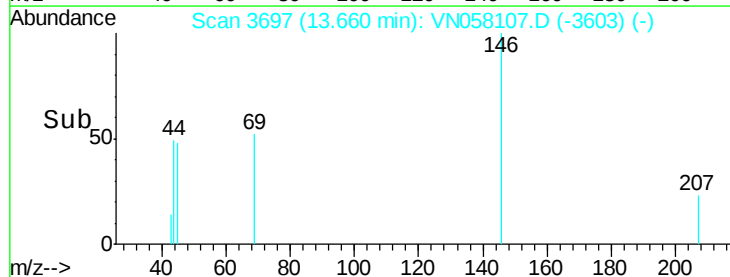
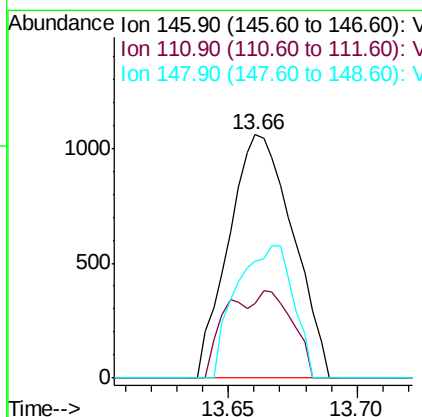
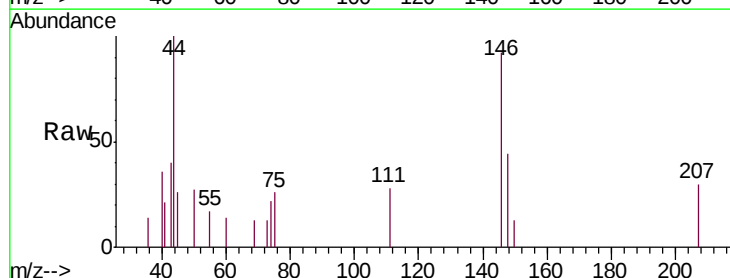
Instrument :
MSVOA_N
ClientSampled :
VE-4-11

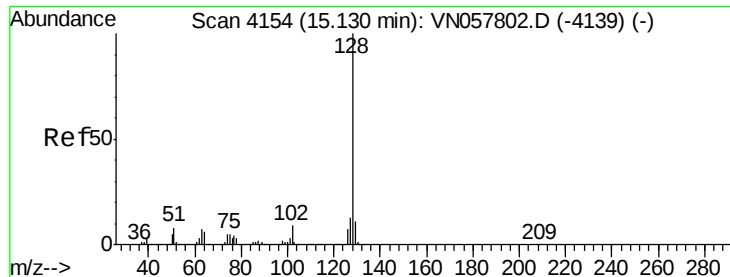
Tgt Ion: 75 Resp: 155874
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 35.3 52.9#



#91
1,2-Dichlorobenzene
Concen: 0.223 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Tgt Ion: 146 Resp: 1834
Ion Ratio Lower Upper
146 100
111 14.9 21.3 63.9#
148 48.1 31.4 94.3

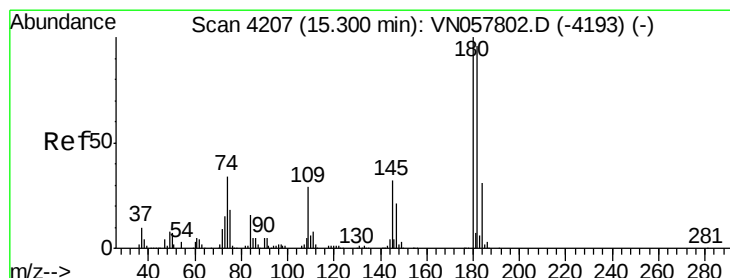
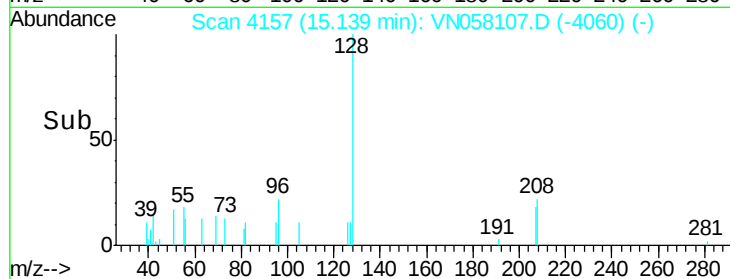
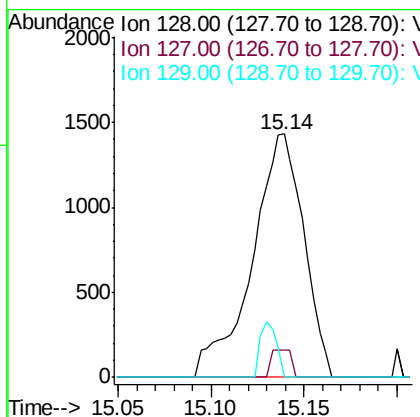
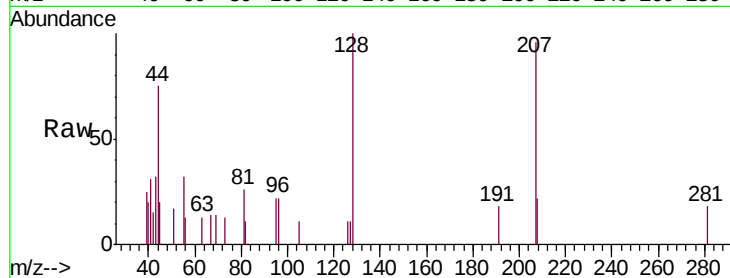




#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4157
Delta R.T. 0.01 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Instrument :
MSVOA_N
ClientSampleId :
VE-4-11

Tgt Ion:128 Resp: 2781
Ion Ratio Lower Upper
128 100
127 4.4 10.3 15.5#
129 7.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 1.152 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.01 min
Lab File: VN058107.D
Acq: 16 Sep 2019 11:00

Tgt Ion:180 Resp: 740
Ion Ratio Lower Upper
180 100
182 72.0 48.3 144.8
145 0.0 16.3 48.8#

