

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059815.D
 Acq On : 21 Jan 2020 17:58
 Operator : JC/MD
 Sample : L1214-01 5X
 Misc : 4.31g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:49:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	293138	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109107	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	100853	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
35) Dibromofluoromethane	7.56	113	87727	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
50) Toluene-d8	10.08	98	341295	50.39	ug/l	0.00
Spiked Amount			Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.40	95	116180	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	

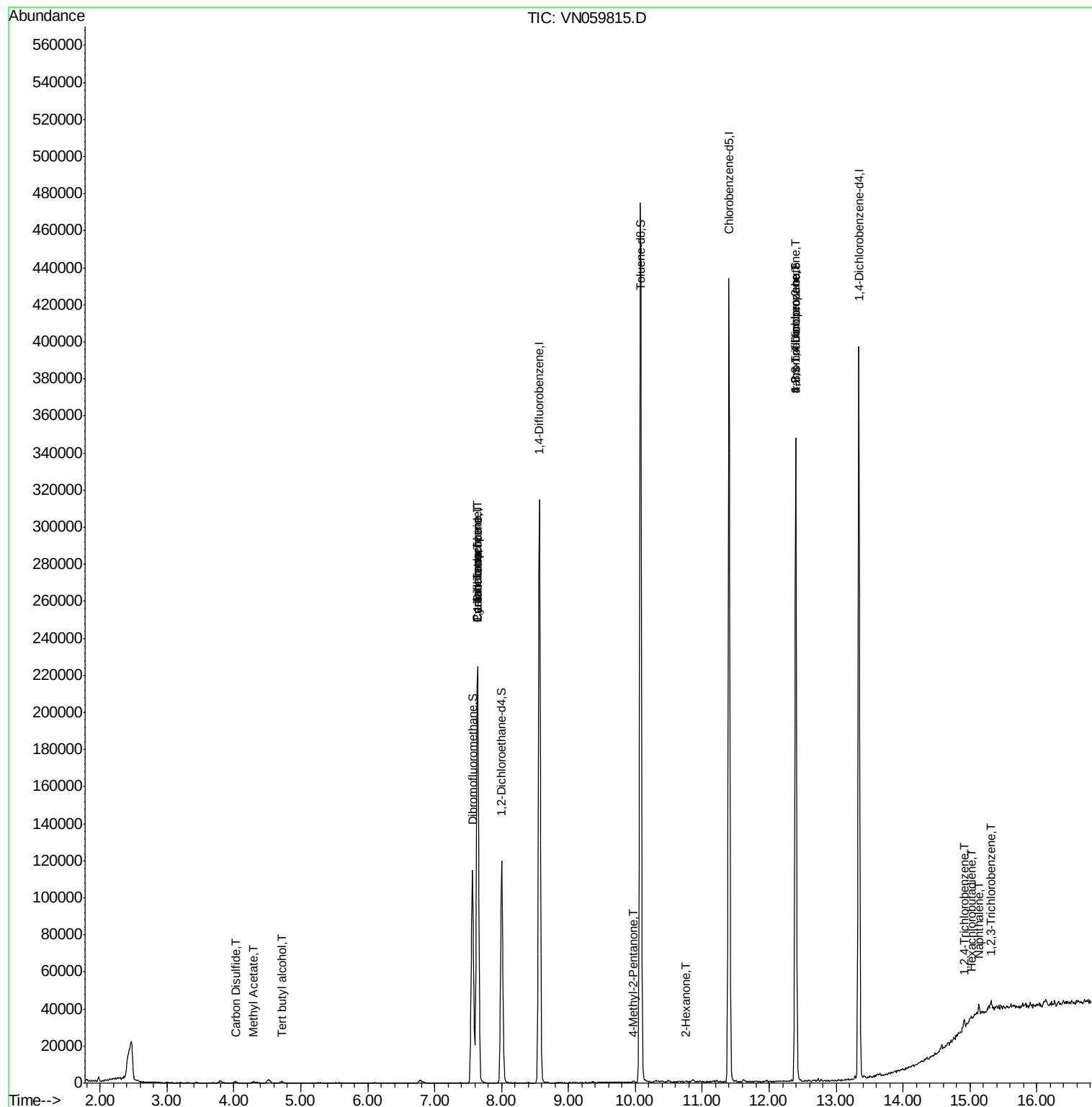
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	402	1.101	ug/l #	72
16) Acetone	3.79	43	2076	Below Cal		98
17) Carbon Disulfide	4.02	76	1212	0.238	ug/l #	75
18) Methyl Acetate	4.29	43	1588	0.627	ug/l #	54
20) Methylene Chloride	4.51	84	508	Below Cal	#	74
31) Cyclohexane	7.64	56	3582	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12958	5.076	ug/l #	51
38) Carbon Tetrachloride	7.64	117	17682	6.368	ug/l #	15
51) 4-Methyl-2-Pentanone	9.98	43	920	0.386	ug/l #	38
59) 2-Hexanone	10.76	43	770	0.439	ug/l #	26
76) 1,2,3-Trichloropropane	12.40	75	57983	31.578	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	57983	67.815	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	233	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1213	0.580	ug/l	98
94) Hexachlorobutadiene	15.01	225	355	0.308	ug/l #	59
95) Naphthalene	15.13	128	5042	0.848	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.31	180	1673	0.822	ug/l	93

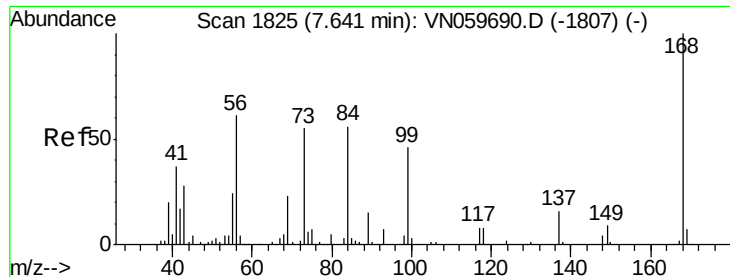
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

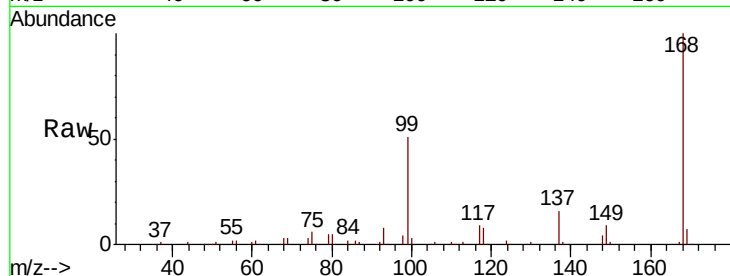
ClientSampled :

Tot Ion:168 Resp: 195362

Ion Ratio Lower Upper

168 100

99 51.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059815.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059815.D (-1732) (-)

7.64

80000

60000

40000

20000

0

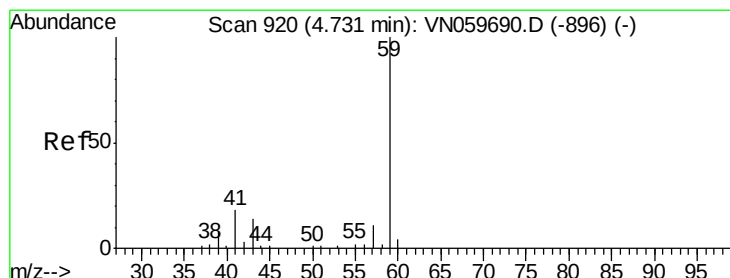
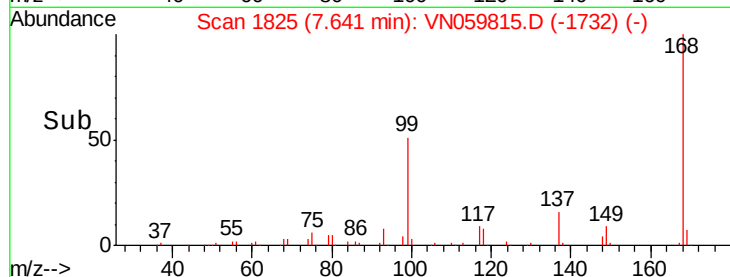
Time-->

7.50

7.60

7.70

7.80



#11

Tert butyl alcohol

Concen: 1.101 ug/l

RT: 4.72 min Scan# 915

Delta R.T. -0.02 min

Lab File: VN059815.D

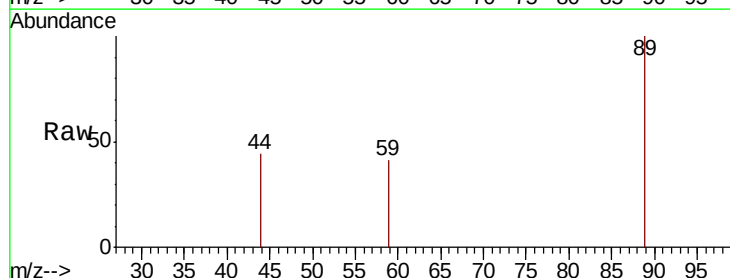
Acq: 21 Jan 2020 17:58

Tgt Ion: 59 Resp: 402

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059815.D (-827) (-)

Ion 57.00 (56.70 to 57.70): VN059815.D (-827) (-)

250

200

150

100

50

0

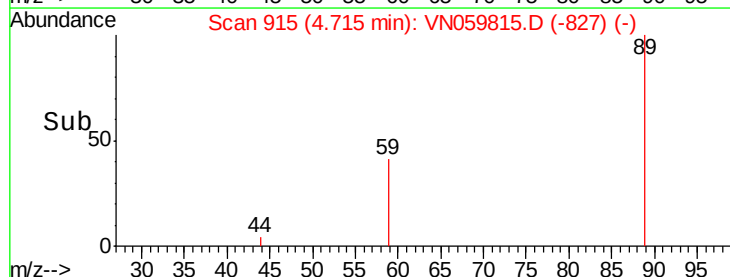
Time-->

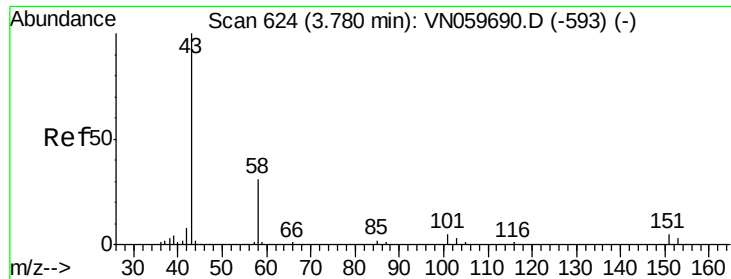
4.68

4.70

4.72

4.74

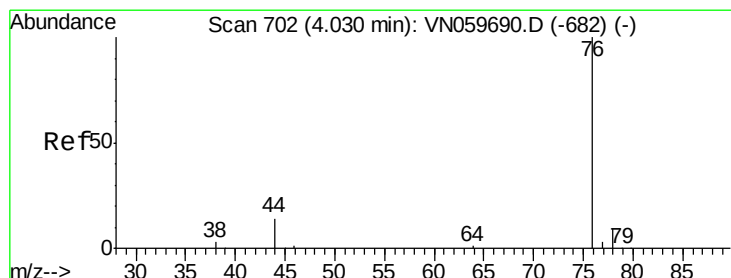
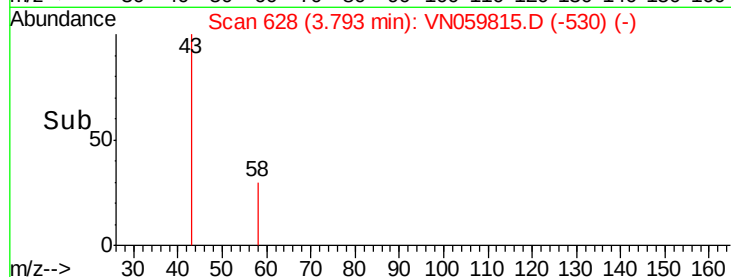
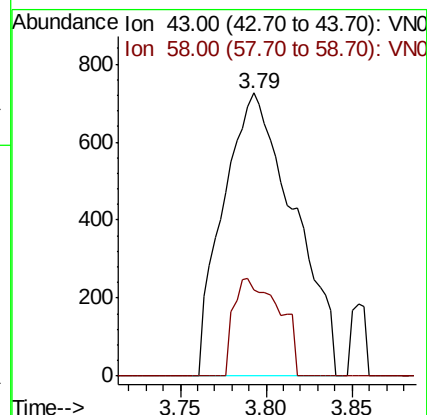
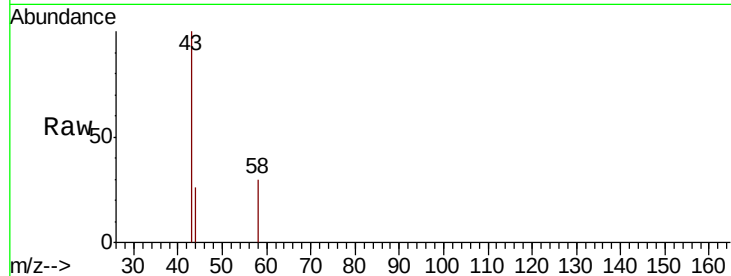




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 628
Delta R.T. 0.01 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

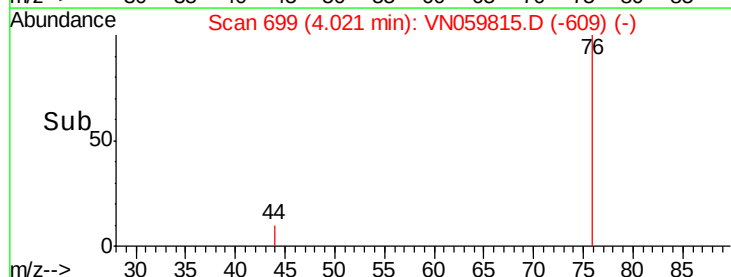
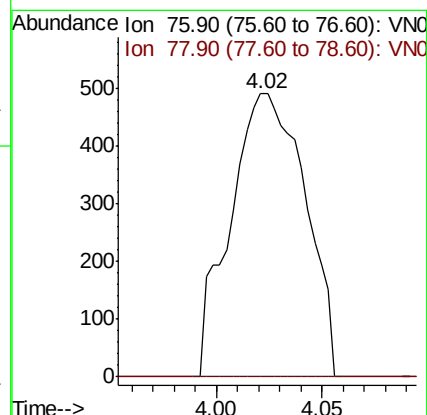
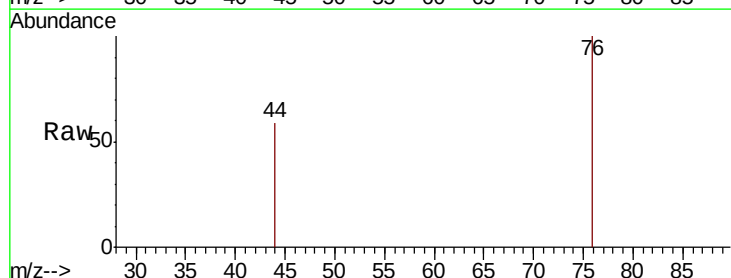
Instrument :
MSVOA_N
ClientSampled :

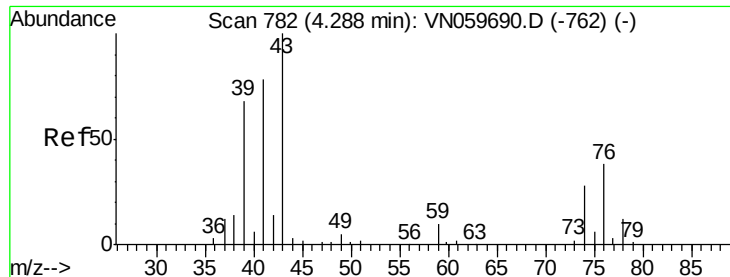
Tot Ion: 43 Resp: 2076
Ion Ratio Lower Upper
43 100
58 30.4 23.6 35.4



#17
Carbon Disulfide
Concen: 0.238 ug/l
RT: 4.02 min Scan# 699
Delta R.T. -0.01 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

Tgt Ion: 76 Resp: 1212
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

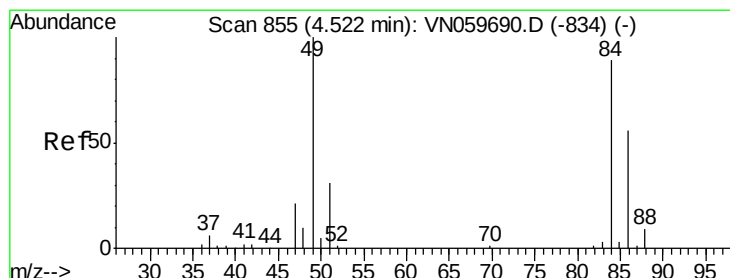
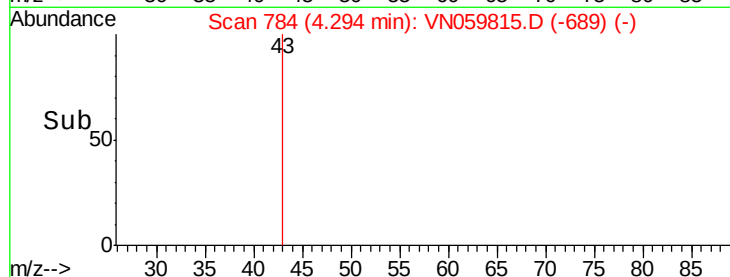
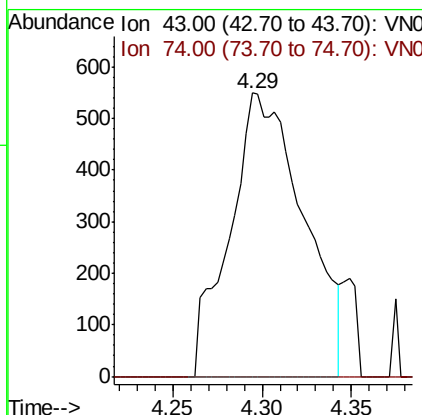
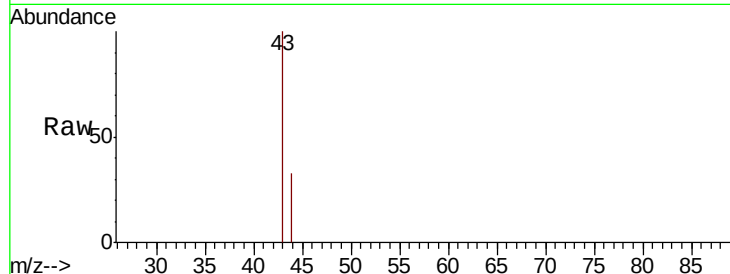




#18
Methvl Acetate
Concen: 0.627 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

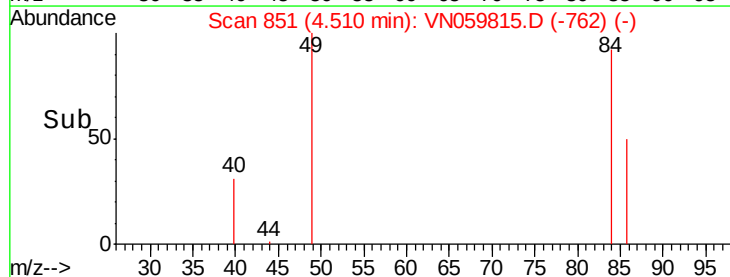
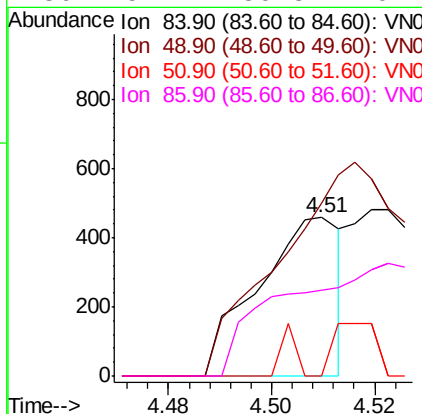
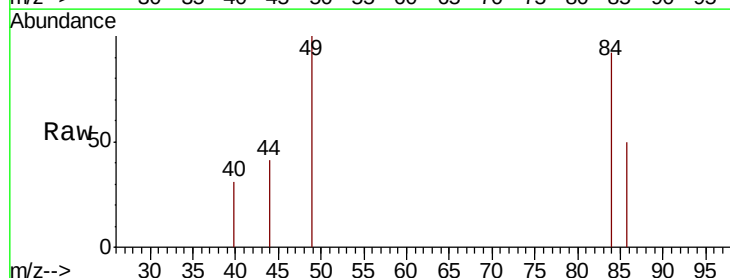
Instrument :
MSVOA_N
ClientSampleId :

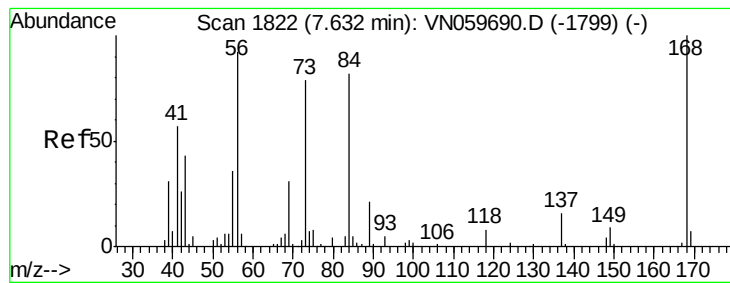
Tot Ion: 43 Resp: 1588
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

Tgt Ion: 84 Resp: 508
Ion Ratio Lower Upper
84 100
49 109.2 106.6 160.0
51 0.0 31.9 47.9#
86 54.2 50.8 76.2





#31

Cyclohexane

Concen: 1.116 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

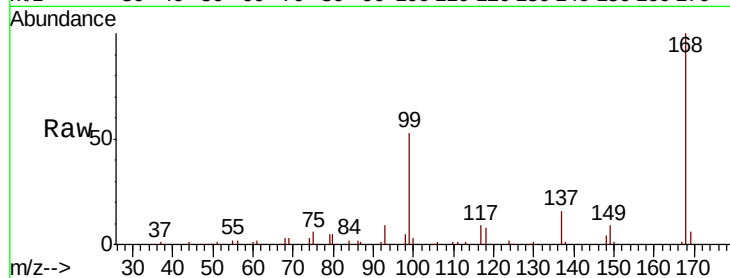
Tot Ion: 56 Resp: 3582

Ion Ratio Lower Upper

56 100

69 181.8 26.5 39.7#

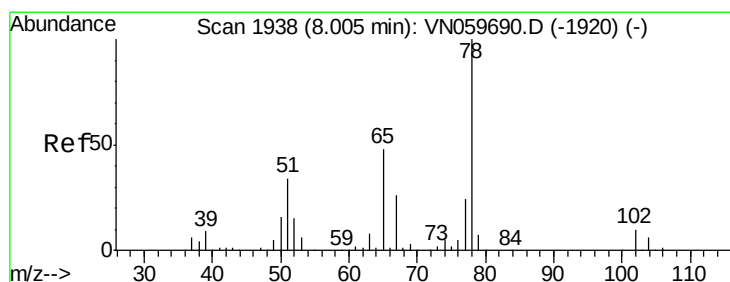
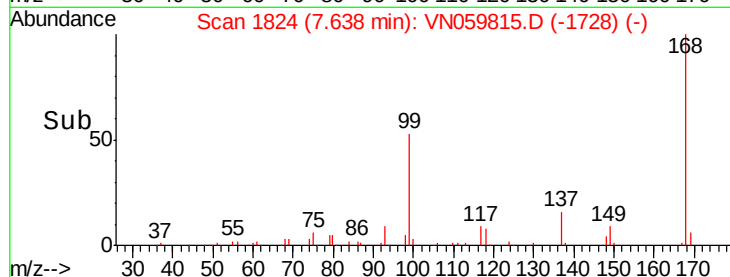
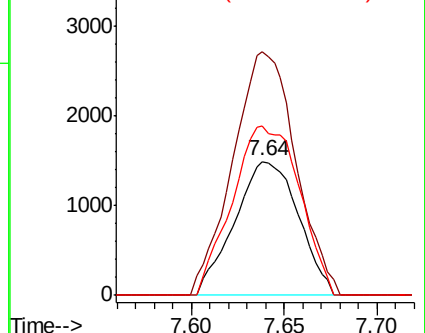
84 126.2 65.3 97.9#



Abundance Ion 56.00 (55.70 to 56.70): VN059815.D (-1824) (-)

Ion 69.00 (68.70 to 69.70): VN059815.D (-1824) (-)

Ion 84.00 (83.70 to 84.70): VN059815.D (-1824) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.486 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN059815.D

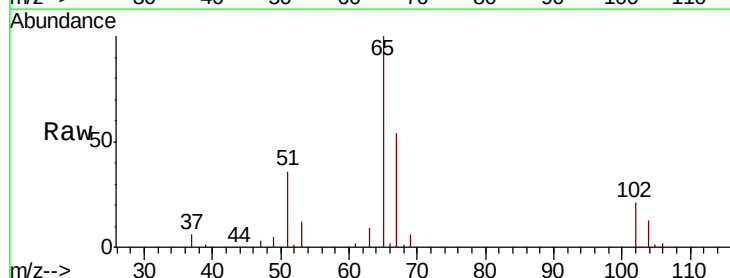
Acq: 21 Jan 2020 17:58

Tgt Ion: 65 Resp: 100853

Ion Ratio Lower Upper

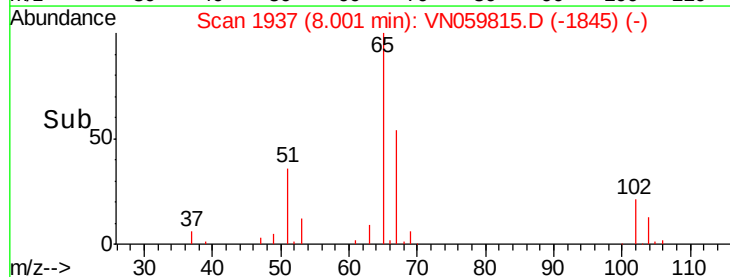
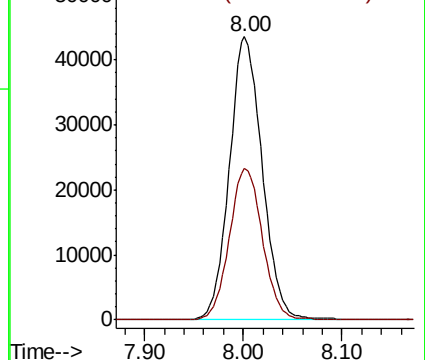
65 100

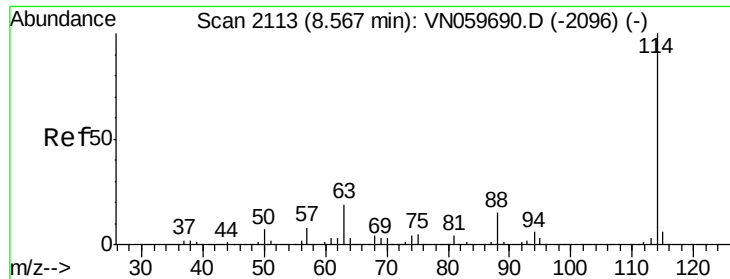
67 53.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN059815.D (-1937) (-)

Ion 66.90 (66.60 to 67.60): VN059815.D (-1937) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

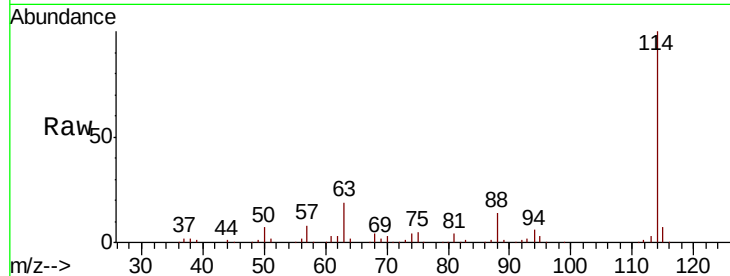
Tot Ion:114 Resp: 293138

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.6

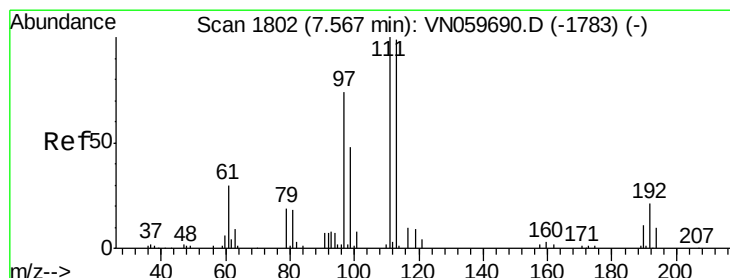
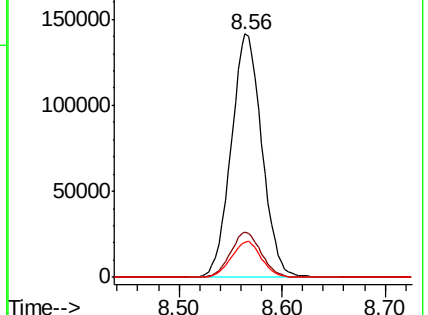
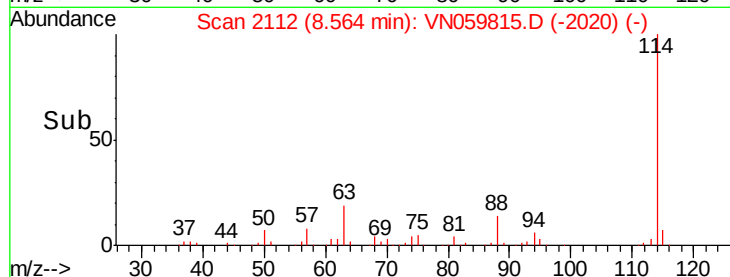
88 14.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 50.184 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

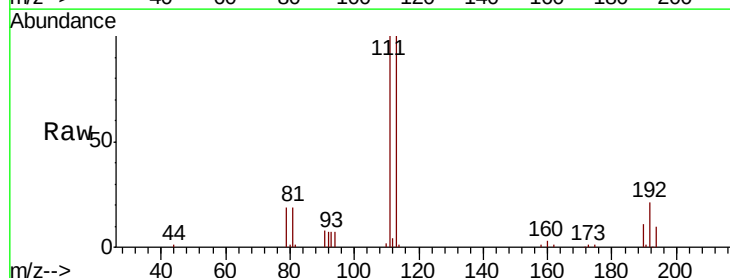
Tgt Ion:113 Resp: 87727

Ion Ratio Lower Upper

113 100

111 99.6 83.5 125.3

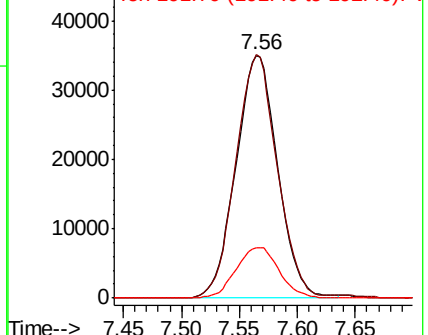
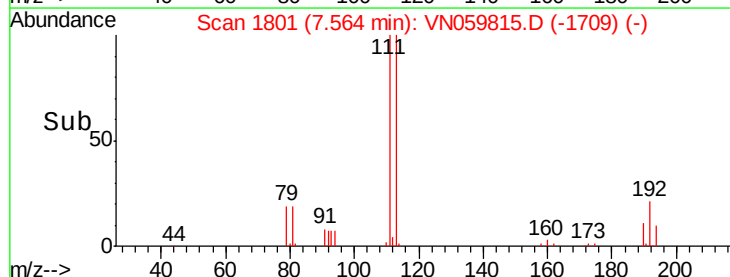
192 21.4 15.4 23.2

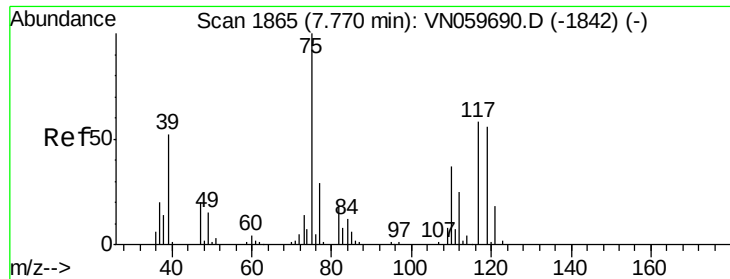


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

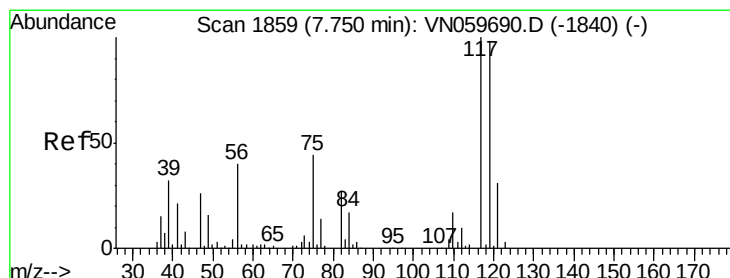
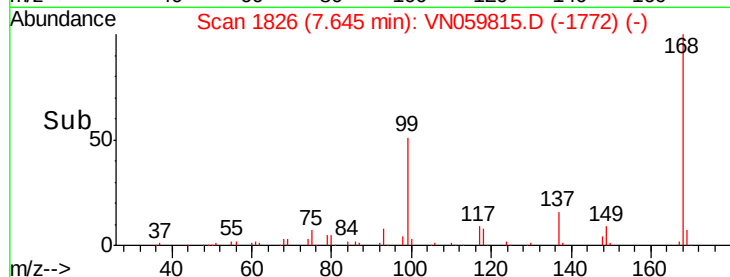
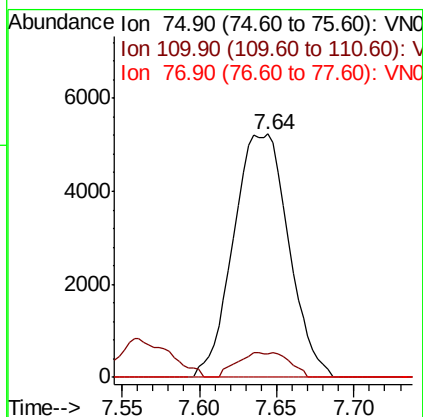
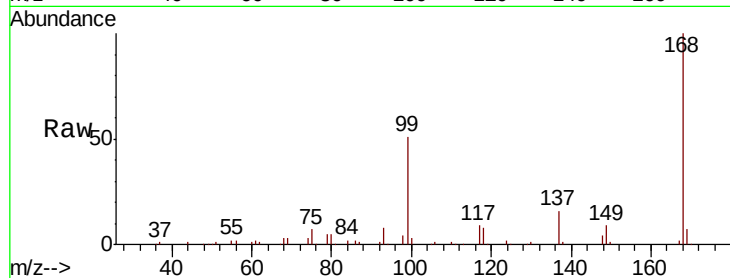




#36
 1,1-Dichloropropene
 Concen: 5.076 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059815.D
 Acq: 21 Jan 2020 17:58

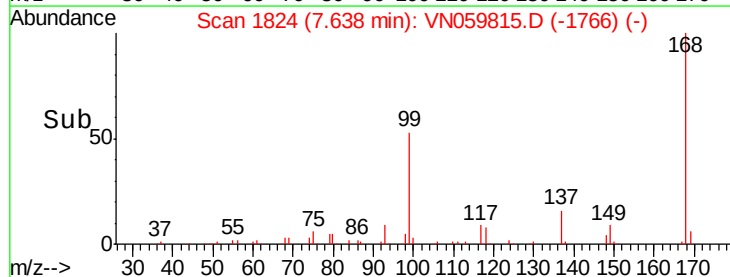
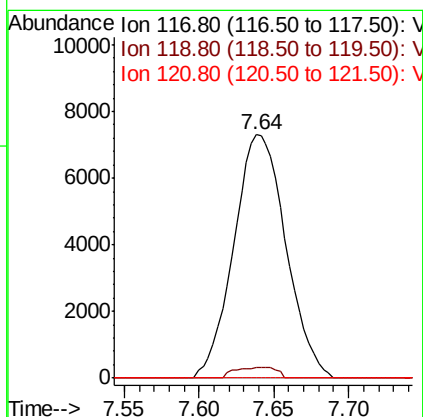
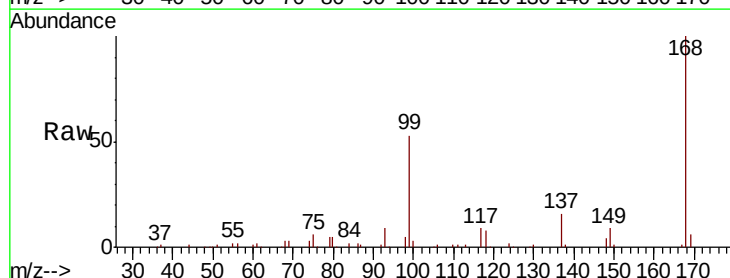
Instrument :
 MSVOA_N
 ClientSampleId :

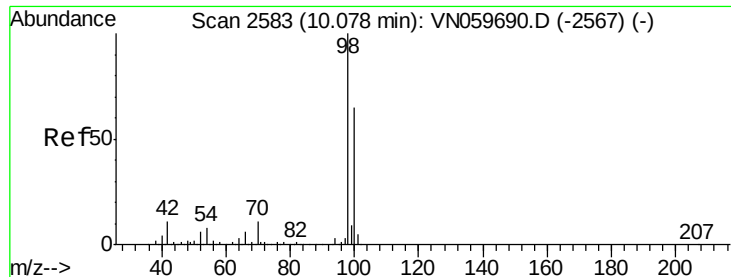
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.6	16.6	49.7#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.368 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.11 min
 Lab File: VN059815.D
 Acq: 21 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.5	114.7#
121	0.0	25.1	37.7#





#50

Toluene-d8

Concen: 50.390 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

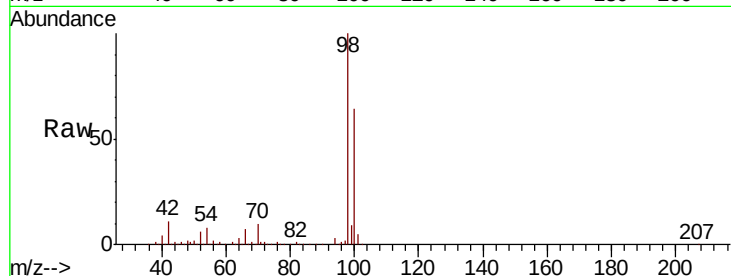
ClientSampled :

Tot Ion: 98 Resp: 341295

Ion Ratio Lower Upper

98 100

100 64.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

200000

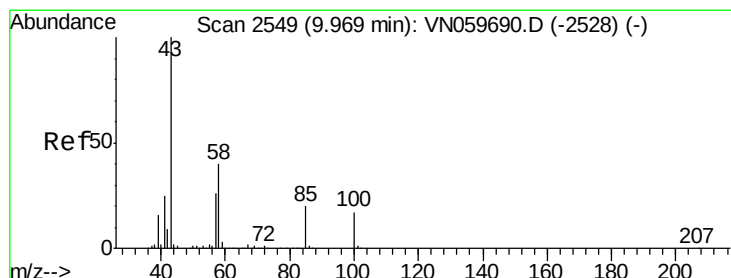
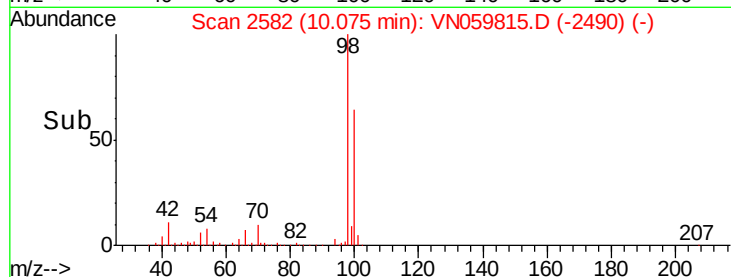
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.386 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN059815.D

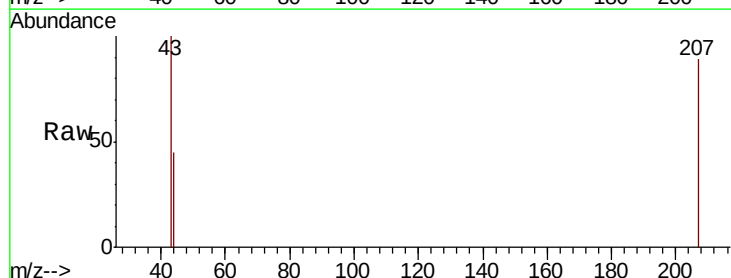
Acq: 21 Jan 2020 17:58

Tgt Ion: 43 Resp: 920

Ion Ratio Lower Upper

43 100

58 0.0 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400

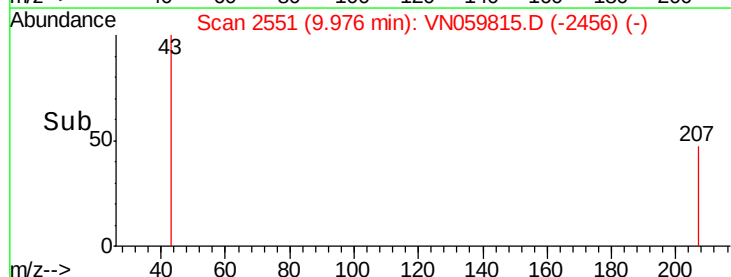
300

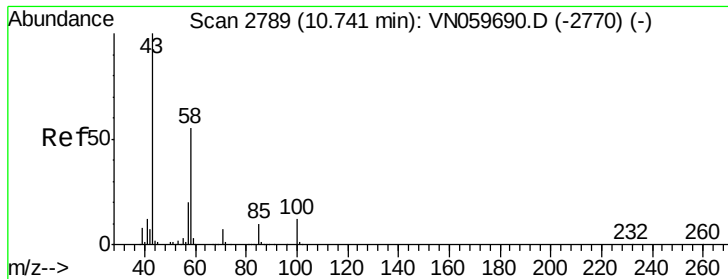
200

100

0

Time-->

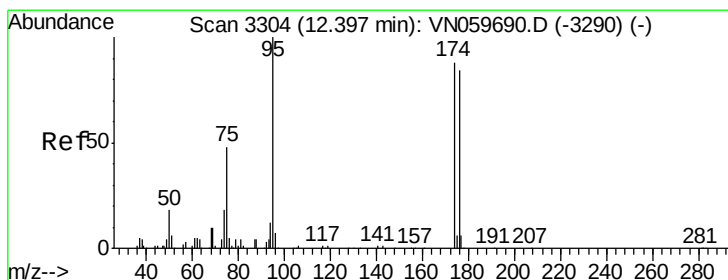
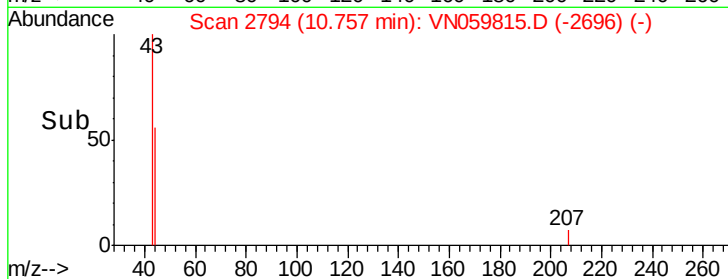
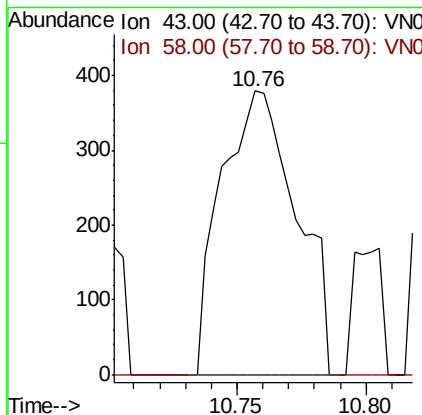
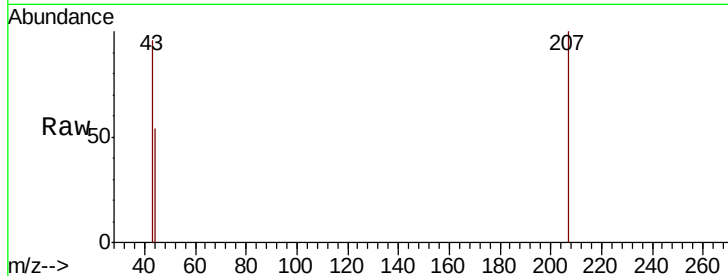




#59
2-Hexanone
Concen: 0.439 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

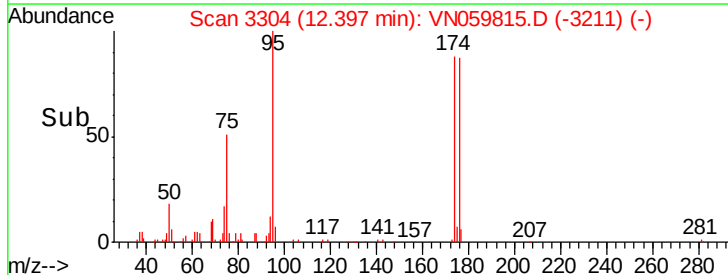
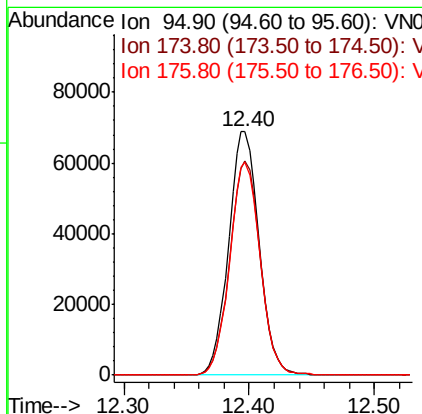
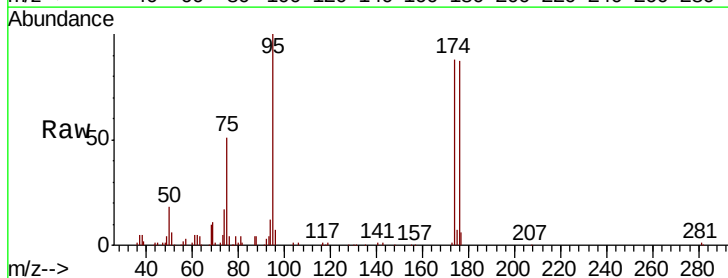
Instrument :
MSVOA_N
ClientSampled :

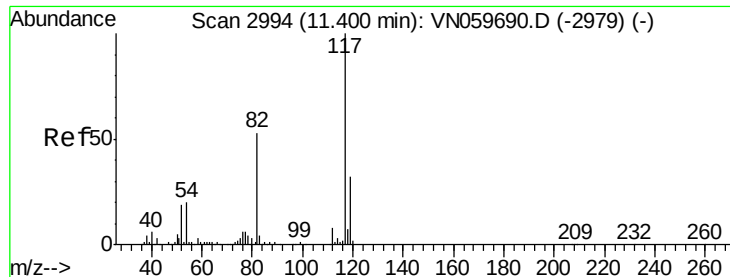
Tot Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
58 0.0 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 47.582 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059815.D
Acq: 21 Jan 2020 17:58

Tgt Ion: 95 Resp: 116180
Ion Ratio Lower Upper
95 100
174 87.9 0.0 151.4
176 87.2 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

ClientSampleId :

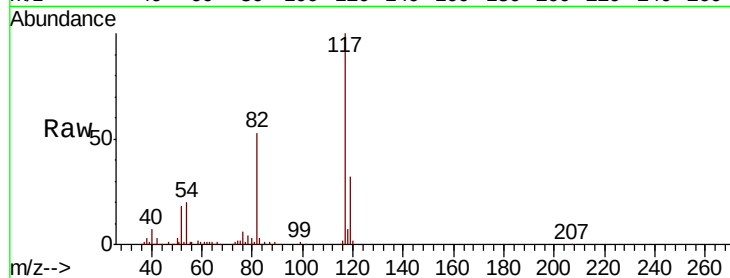
Tot Ion:117 Resp: 257592

Ion Ratio Lower Upper

117 100

82 52.5 45.9 68.9

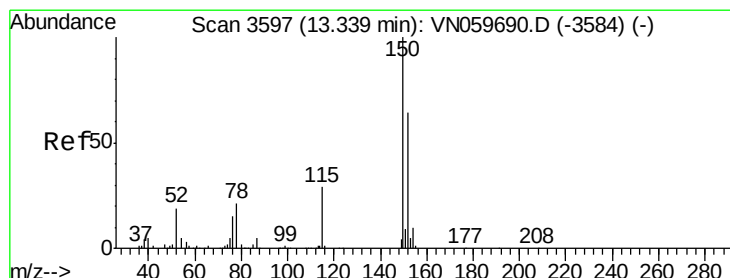
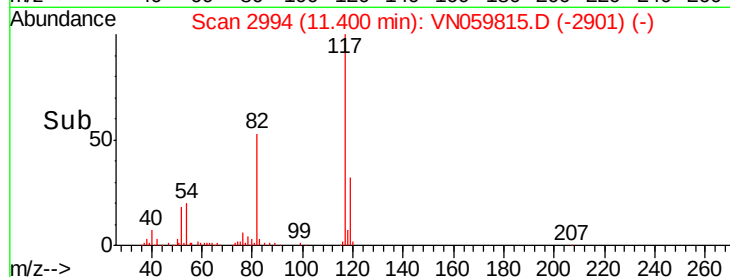
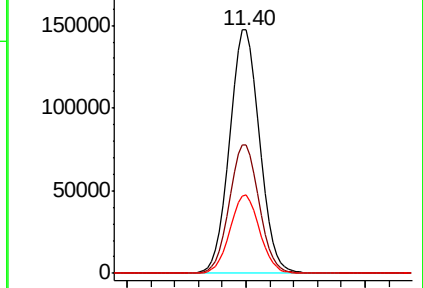
119 32.0 25.5 38.3



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

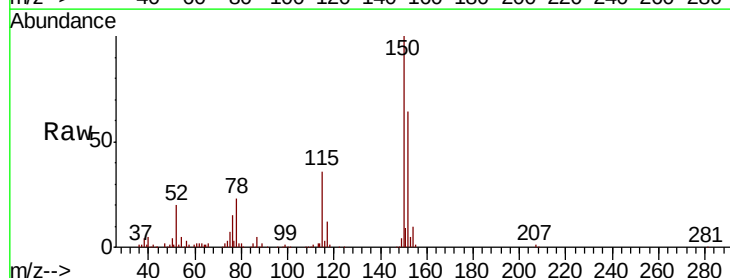
Tgt Ion:152 Resp: 109107

Ion Ratio Lower Upper

152 100

115 57.1 30.3 90.9

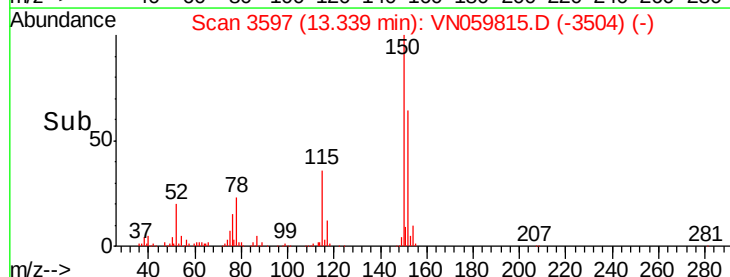
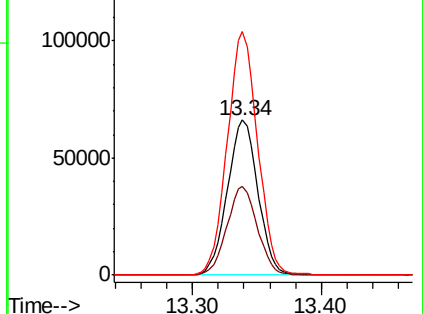
150 155.7 0.0 345.2

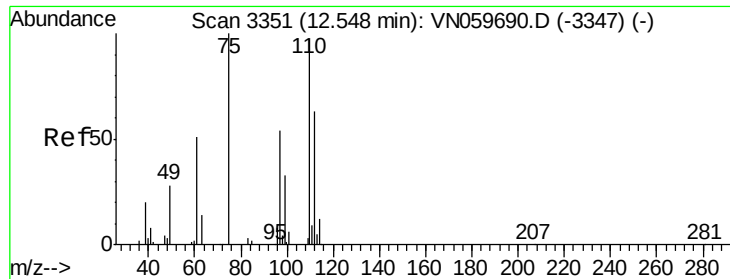


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.578 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

Instrument :

MSVOA_N

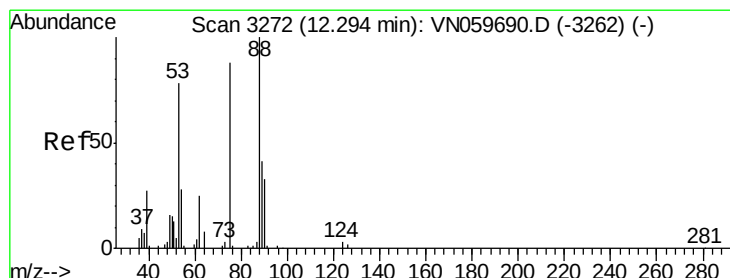
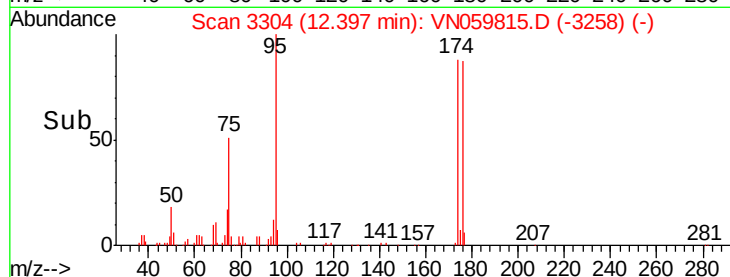
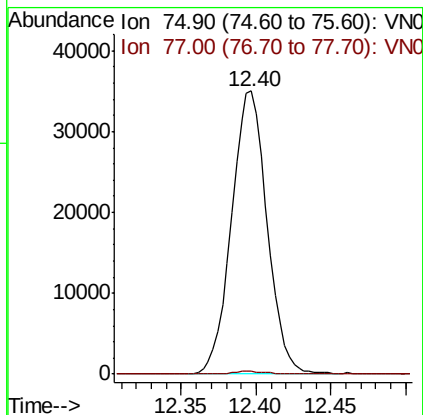
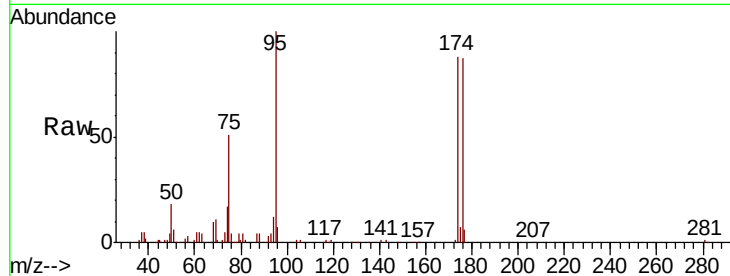
ClientSampleId :

Tot Ion: 75 Resp: 57983

Ion Ratio Lower Upper

75 100

77 0.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.815 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059815.D

Acq: 21 Jan 2020 17:58

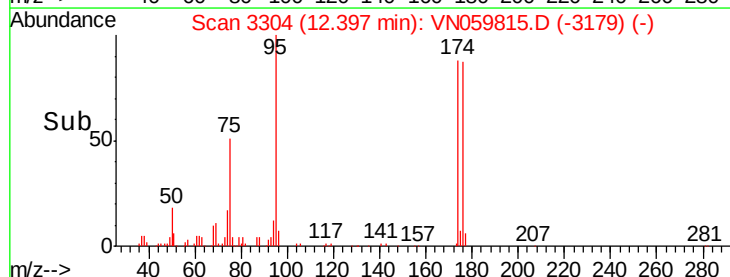
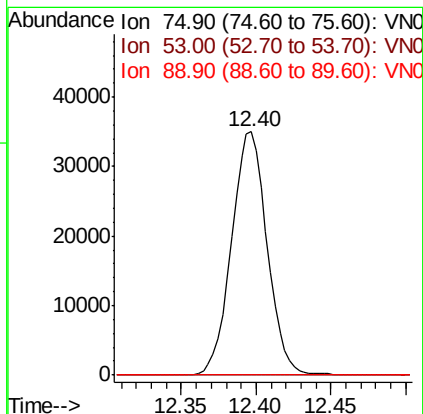
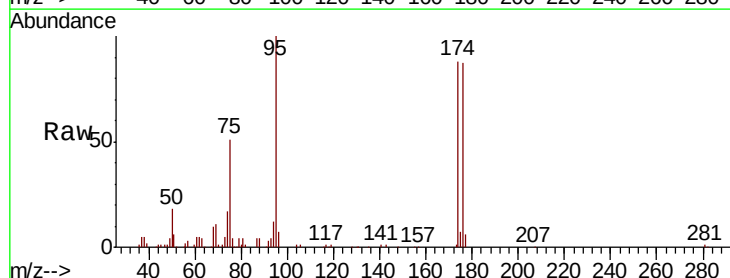
Tgt Ion: 75 Resp: 57983

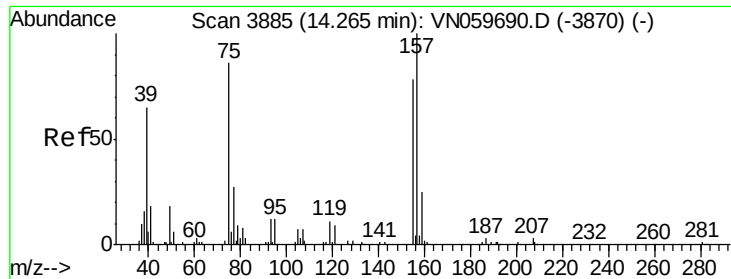
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

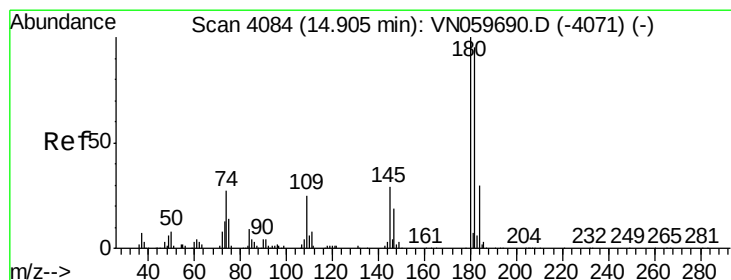
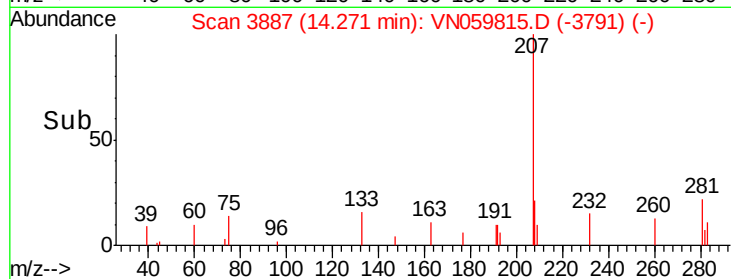
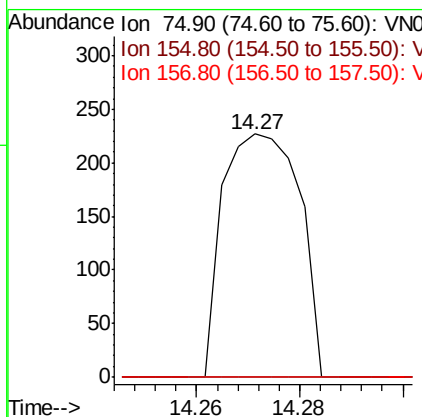
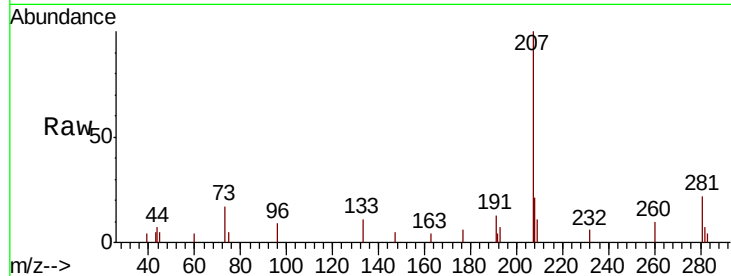




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN059815.D
 Acq: 21 Jan 2020 17:58

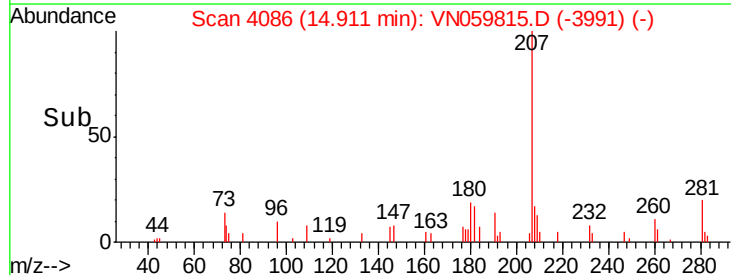
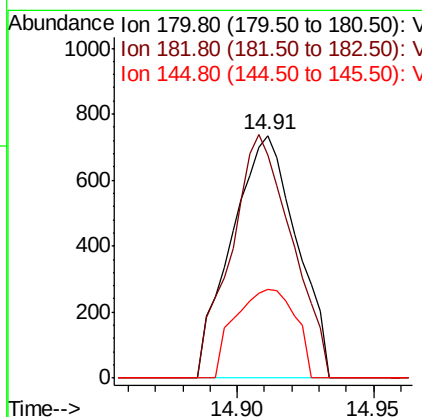
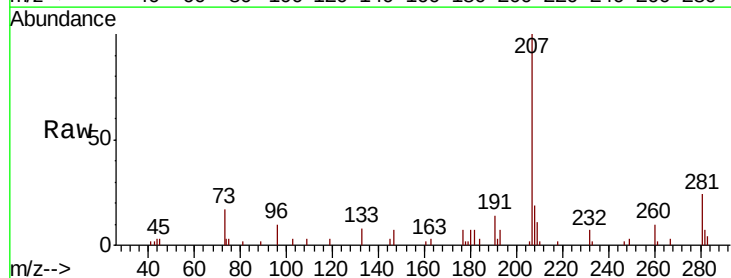
Instrument :
 MSVOA_N
 ClientSampled :

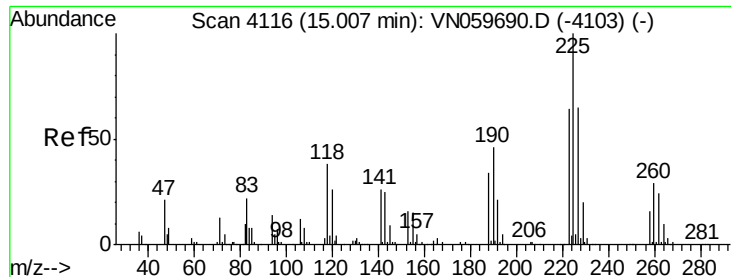
Tot Ion: 75 Resp: 233
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.580 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059815.D
 Acq: 21 Jan 2020 17:58

Tgt Ion: 180 Resp: 1213
 Ion Ratio Lower Upper
 180 100
 182 94.0 46.9 140.7
 145 34.0 15.0 45.1





#94

Hexachlorobutadiene

Concen: 0.308 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059815.D

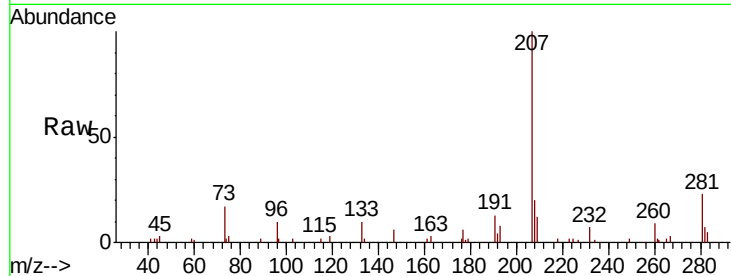
Acq: 21 Jan 2020 17:58

Instrument :

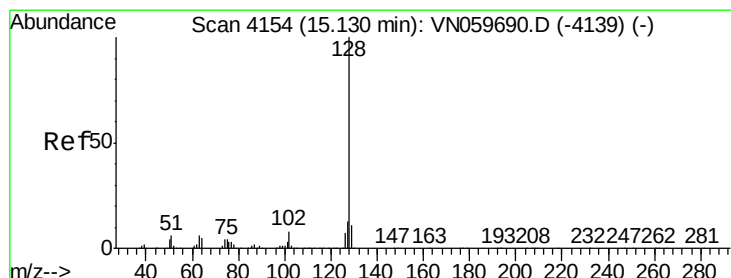
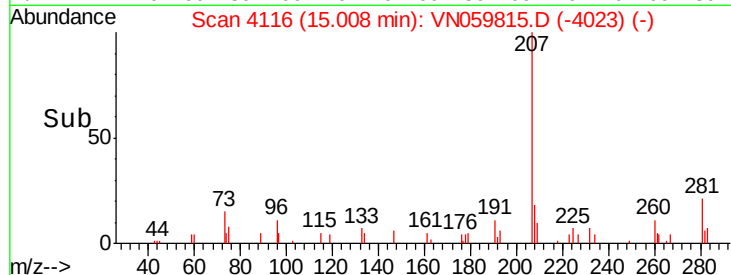
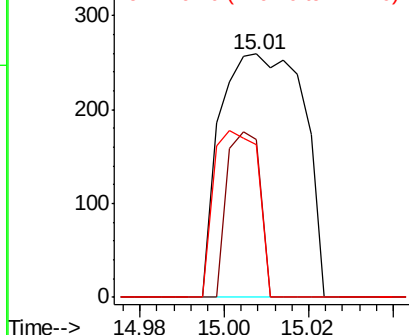
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	355
Ion	Ratio	Lower	Upper
225	100		
223	27.3	31.8	95.3#
227	36.3	32.1	96.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 0.848 ug/l

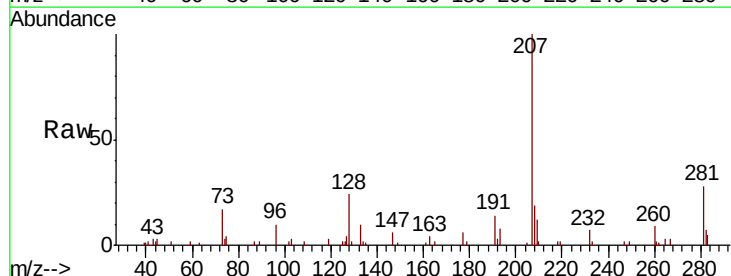
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

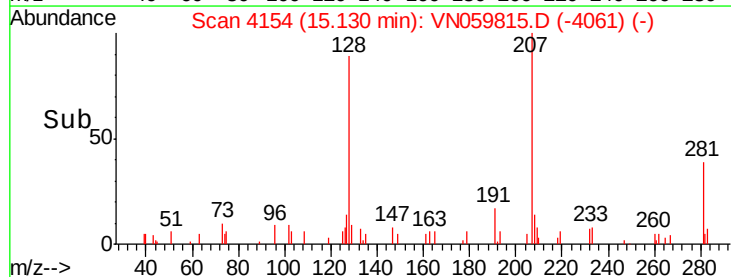
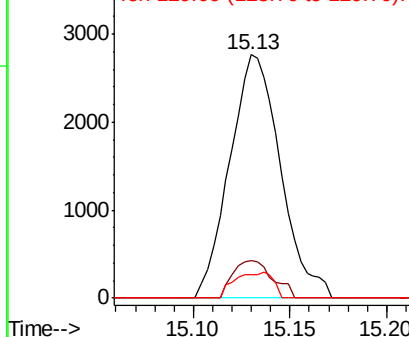
Lab File: VN059815.D

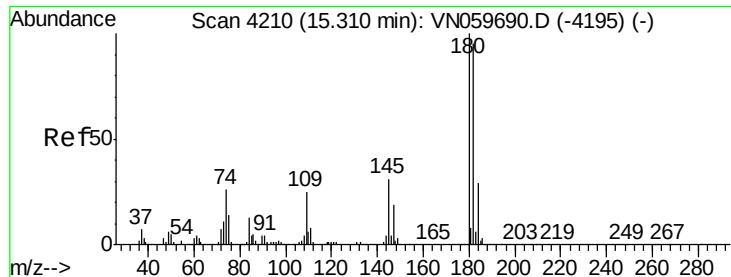
Acq: 21 Jan 2020 17:58

Tgt Ion:	128	Resp:	5042
Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.4	15.6
129	8.1	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

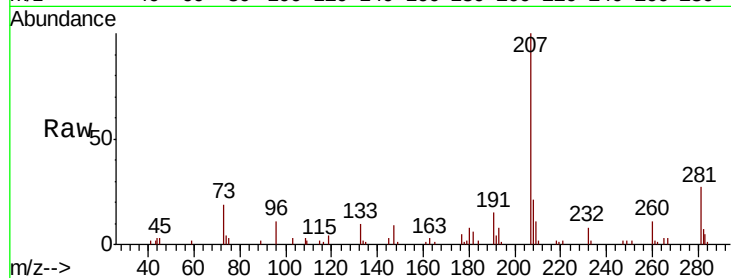




#96
 1,2,3-Trichlorobenzene
 Concen: 0.822 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059815.D
 Acq: 21 Jan 2020 17:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.6	47.4	142.3
145	33.1	16.3	48.9



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

