

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021020\
 Data File : VN060035.D
 Acq On : 10 Feb 2020 10:38
 Operator : JC/MD
 Sample : VN0210WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 11 07:06:48 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	193690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	302901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	270988	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109261	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	112797	52.44	ug/l	0.00
Spiked Amount						
				Recovery	=	104.88%
35) Dibromofluoromethane	7.56	113	92281	51.09	ug/l	0.00
Spiked Amount						
				Recovery	=	102.18%
50) Toluene-d8	10.08	98	360225	51.47	ug/l	0.00
Spiked Amount						
				Recovery	=	102.94%
62) 4-Bromofluorobenzene	12.40	95	119202	47.25	ug/l	0.00
Spiked Amount						
				Recovery	=	94.50%

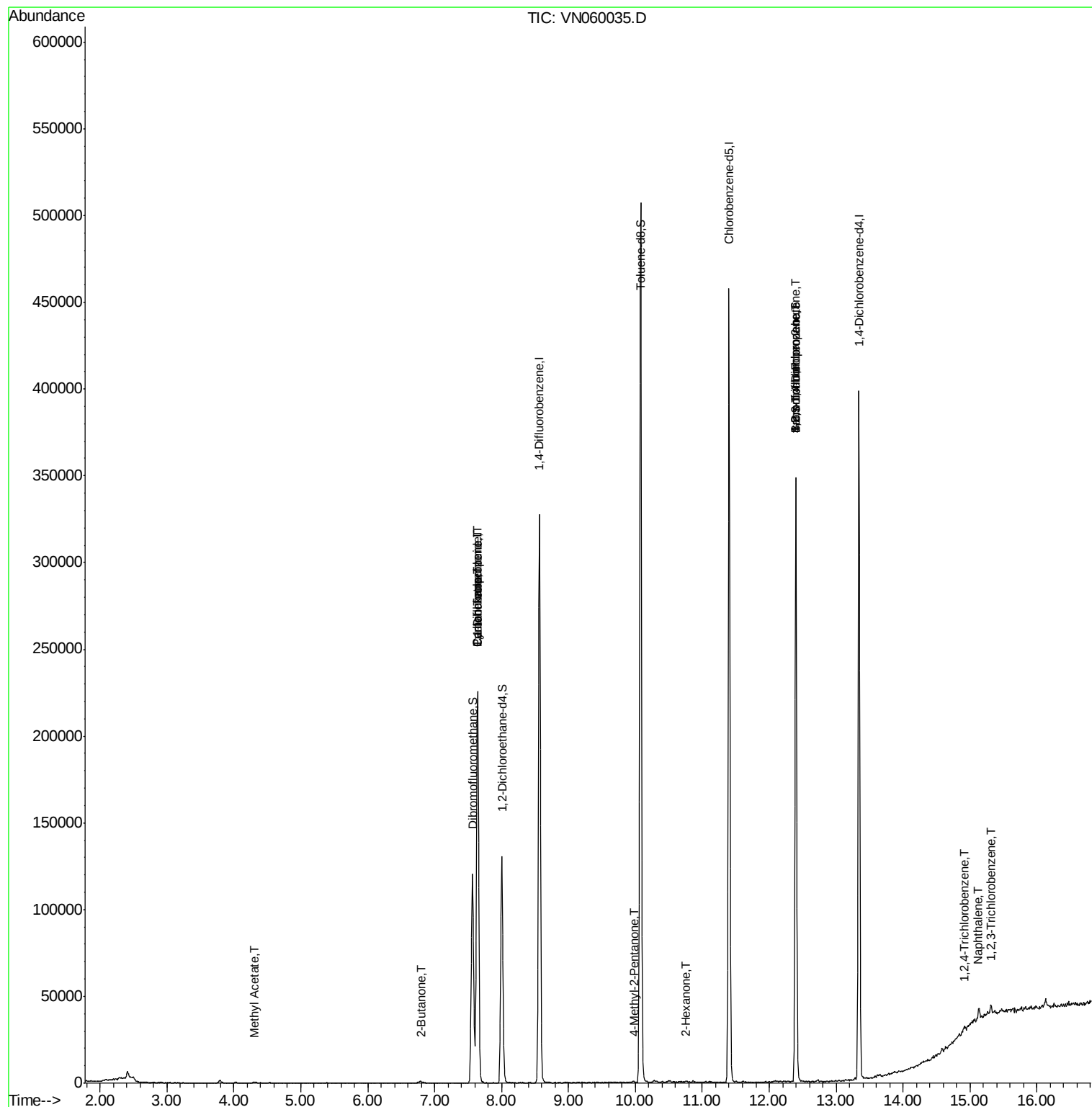
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	2913	Below Cal		95
18) Methyl Acetate	4.30	43	602	0.240	ug/l #	54
20) Methylene Chloride	4.53	84	29	Below Cal	#	53
25) 2-Butanone	6.81	43	396	0.325	ug/l #	50
31) Cyclohexane	7.64	56	3897	1.225	ug/l #	9
36) 1,1-Dichloropropene	7.64	75	14046	5.325	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18073	6.299	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	911	0.370	ug/l #	75
59) 2-Hexanone	10.75	43	961	0.530	ug/l	66
71) Bromoform	12.40	173	425	0.258	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	62080	33.762	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62080	72.504	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	202	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1244	0.594	ug/l #	81
95) Naphthalene	15.13	128	5074	0.852	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.32	180	1844	0.905	ug/l	99

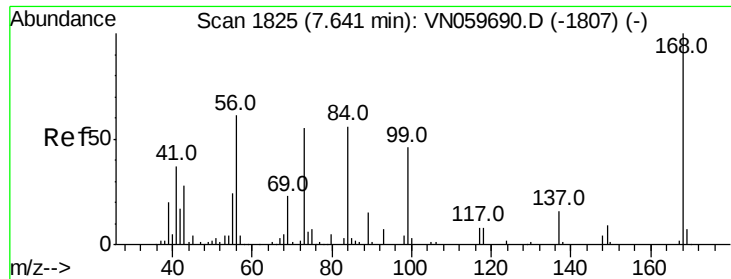
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021020\
Data File : VN060035.D
Acq On : 10 Feb 2020 10:38
Operator : JC/MD
Sample : VN0210WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 11 07:06:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
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: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

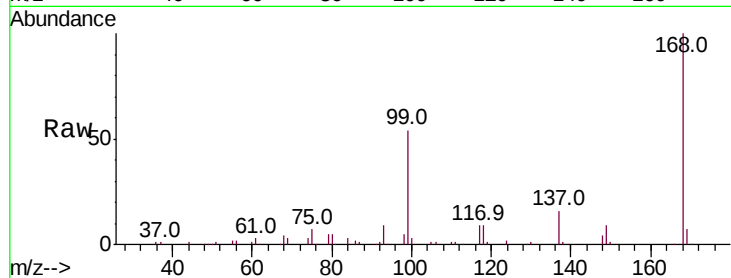
ClientSampled :

Tot Ion:168 Resp: 193690

Ion Ratio Lower Upper

168 100

99 53.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN060035.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN060035.D (-1732) (-)

7.64

80000

60000

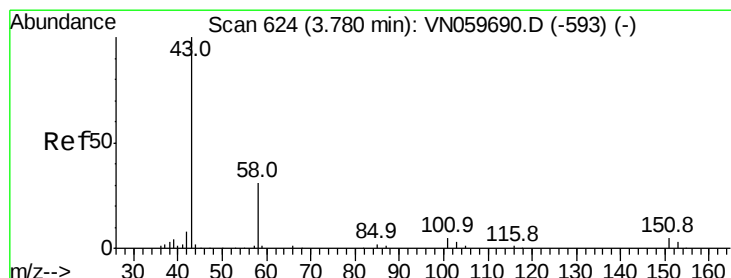
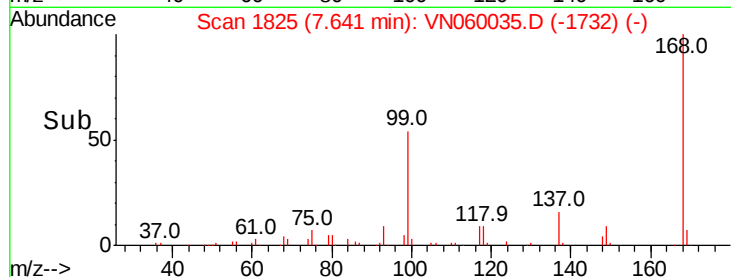
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060035.D

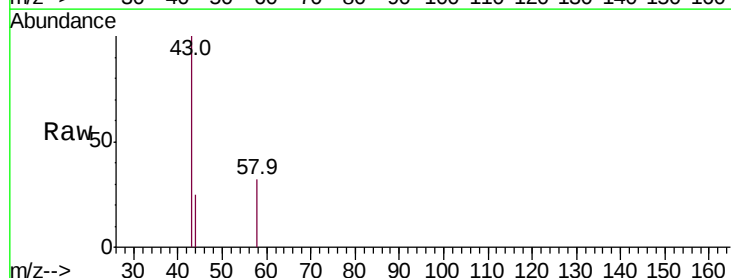
Acq: 10 Feb 2020 10:38

Tgt Ion: 43 Resp: 2913

Ion Ratio Lower Upper

43 100

58 32.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN060035.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN060035.D (-530) (-)

3.79

1200

1000

800

600

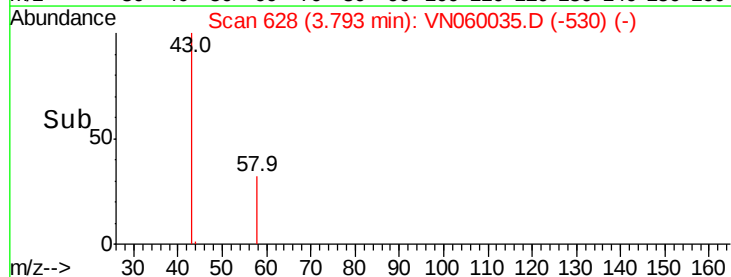
400

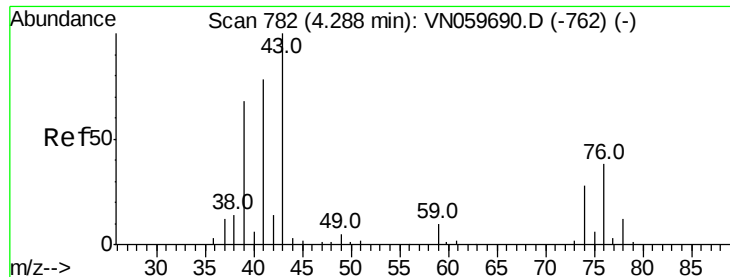
200

0

3.75 3.80 3.85

Time-->

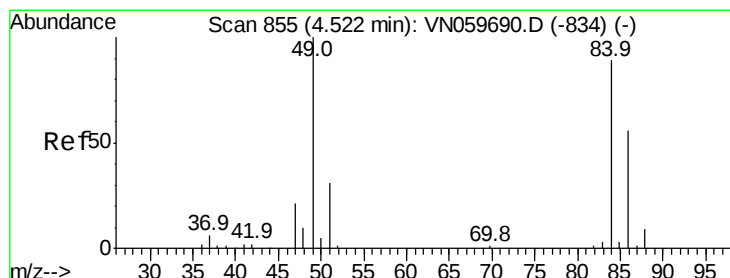
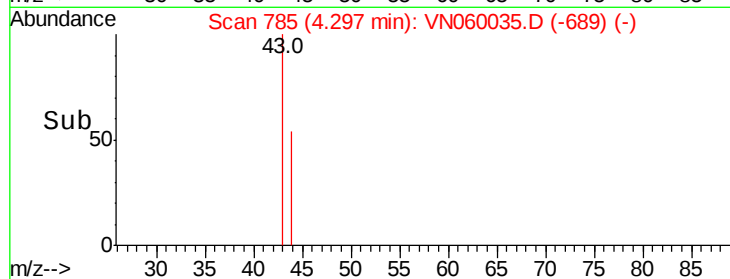
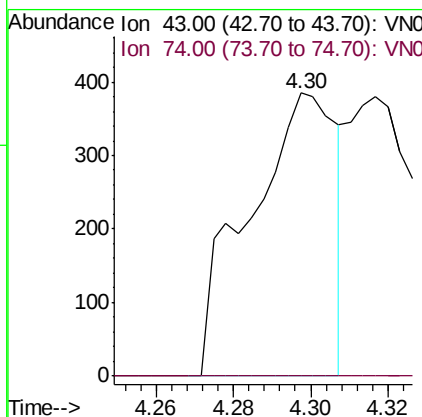
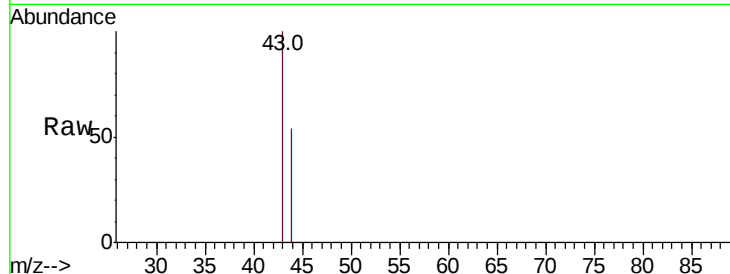




#18
Methvl Acetate
Concen: 0.240 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060035.D
Acq: 10 Feb 2020 10:38

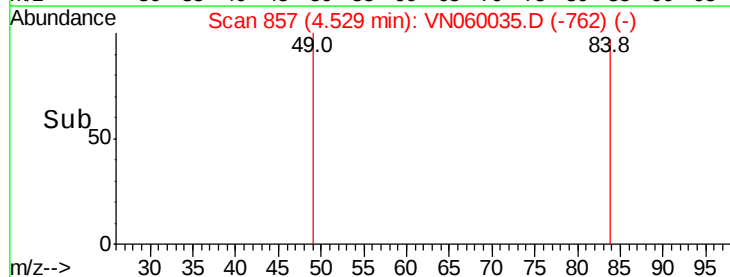
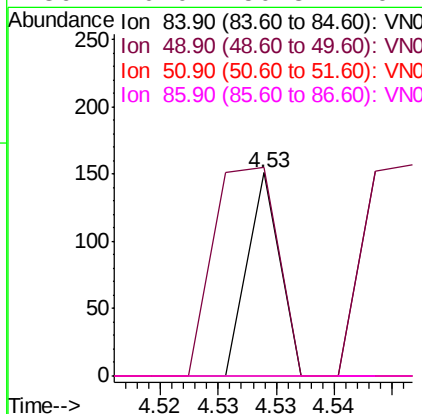
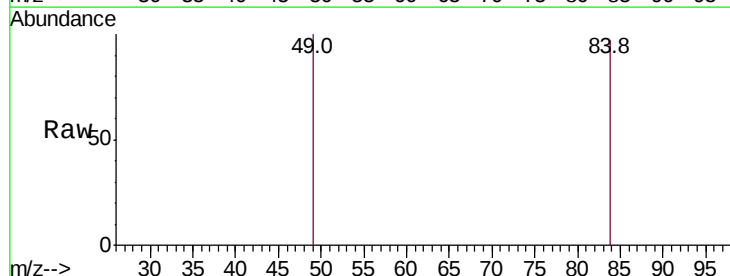
Instrument :
MSVOA_N
ClientSampleId :

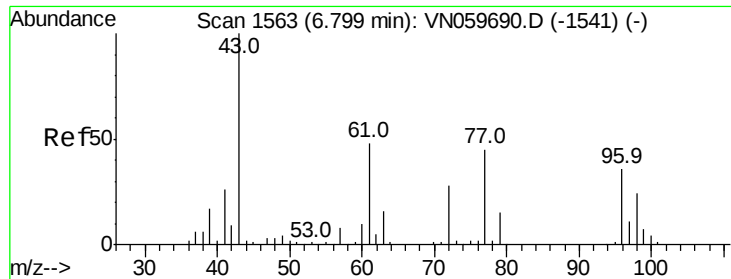
Tot Ion: 43 Resp: 602
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN060035.D
Acq: 10 Feb 2020 10:38

Tgt Ion: 84 Resp: 29
Ion Ratio Lower Upper
84 100
49 102.6 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#





#25

2-Butanone

Concen: 0.325 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

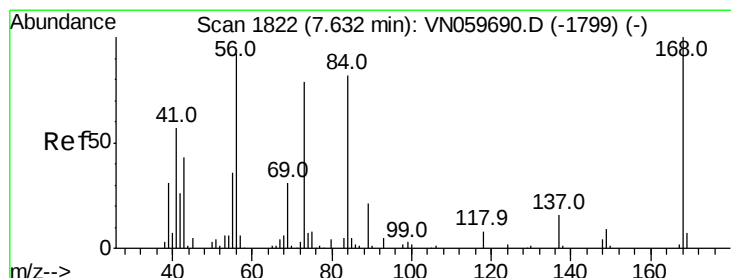
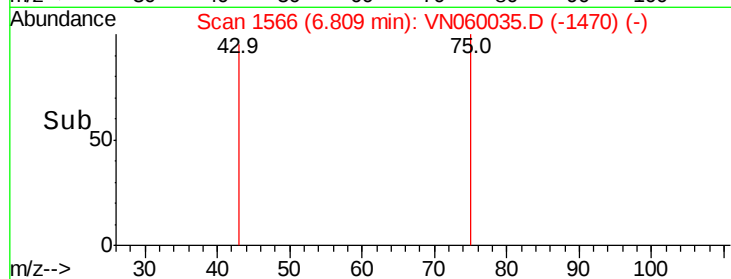
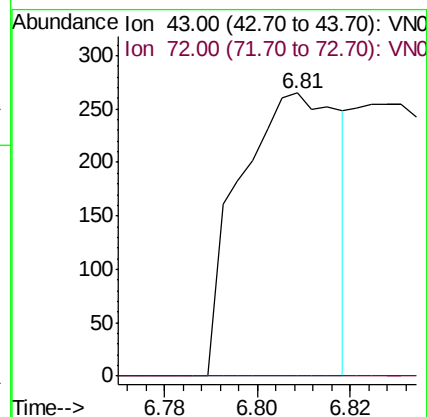
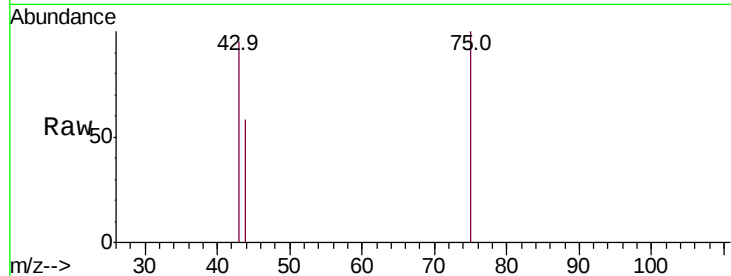
ClientSampled :

Tot Ion: 43 Resp: 396

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#



#31

Cyclohexane

Concen: 1.225 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

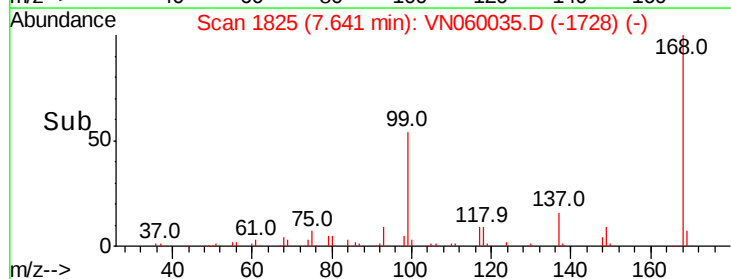
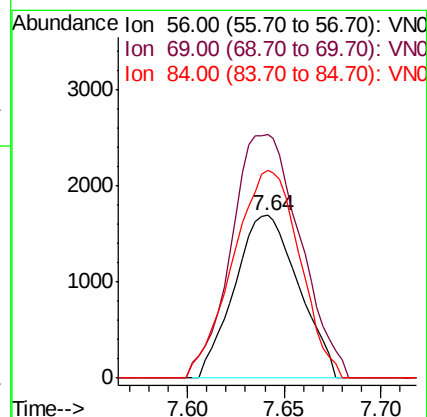
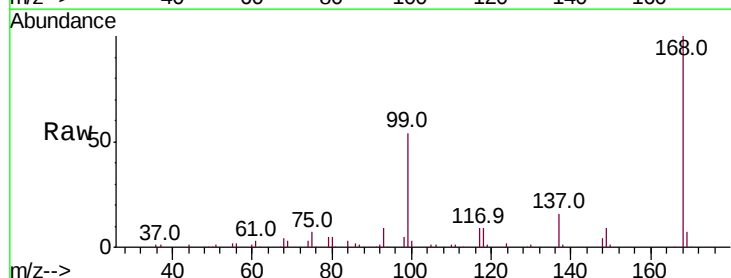
Tgt Ion: 56 Resp: 3897

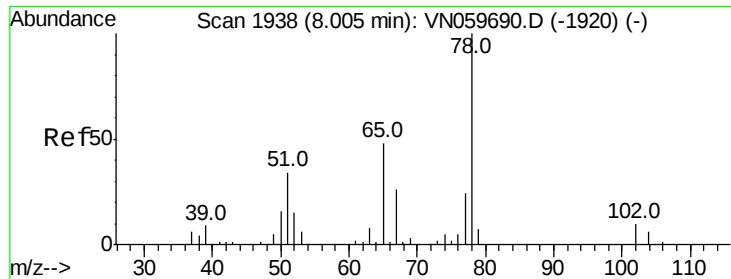
Ion Ratio Lower Upper

56 100

69 139.9 26.5 39.7#

84 128.0 65.3 97.9#

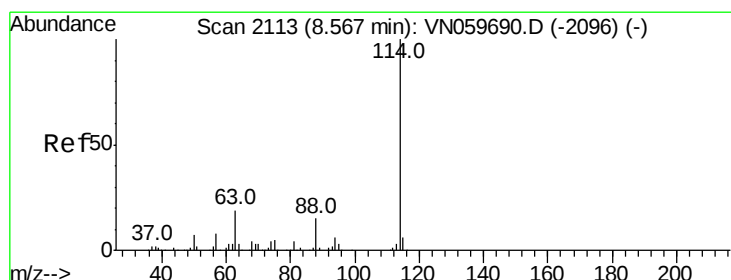
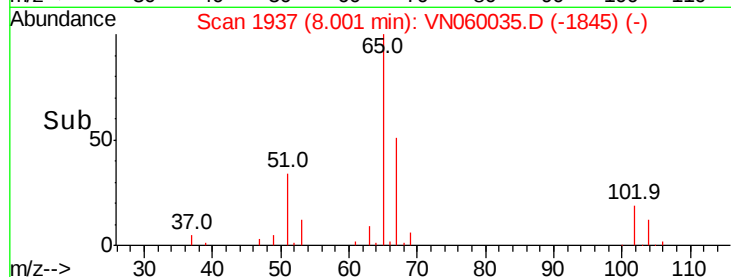
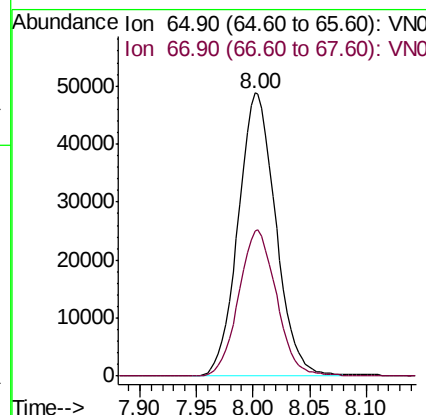
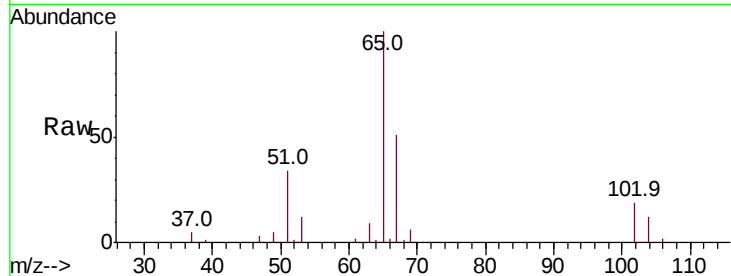




#33
 1,2-Dichloroethane-d4
 Concen: 52.440 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060035.D
 Acq: 10 Feb 2020 10:38

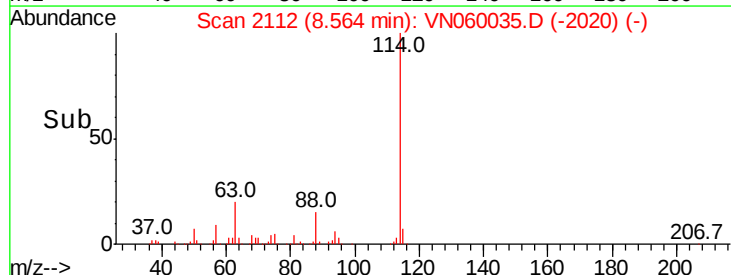
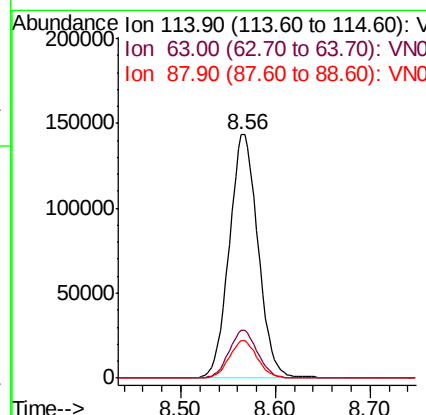
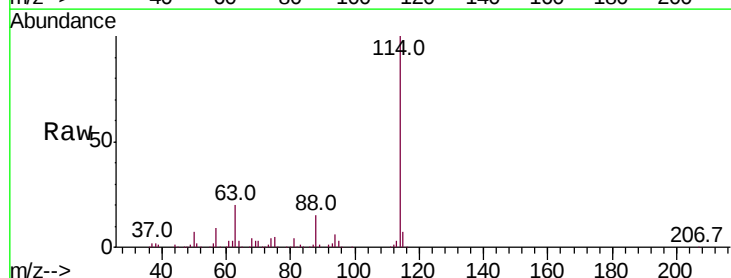
Instrument :
 MSVOA_N
 ClientSampled :

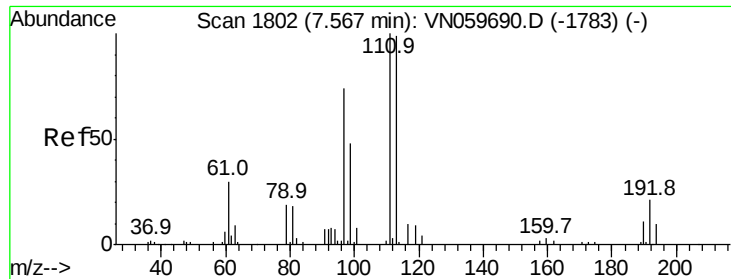
Tot Ion: 65 Resp: 112797
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060035.D
 Acq: 10 Feb 2020 10:38

Tgt Ion:114 Resp: 302901
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 43.6
 88 15.2 0.0 31.4

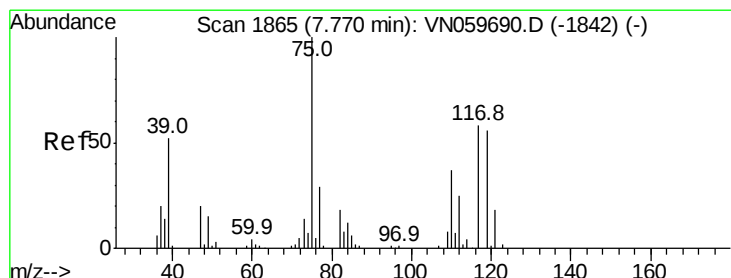
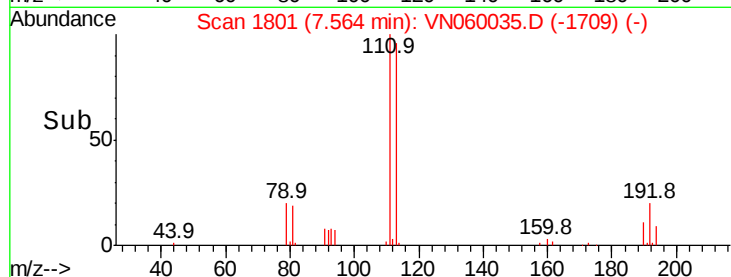
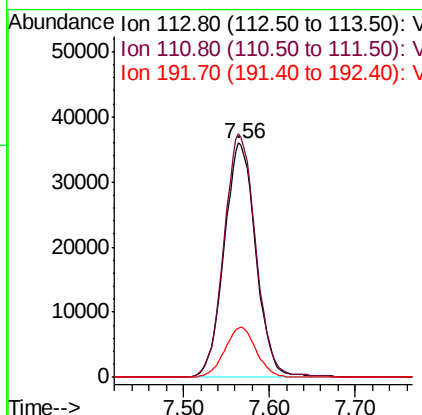
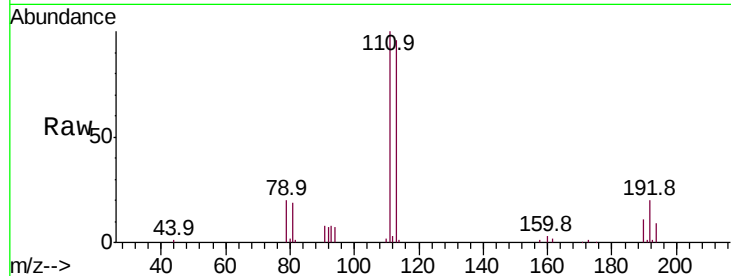




#35
 Dibromofluoromethane
 Concen: 51.088 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060035.D
 Acq: 10 Feb 2020 10:38

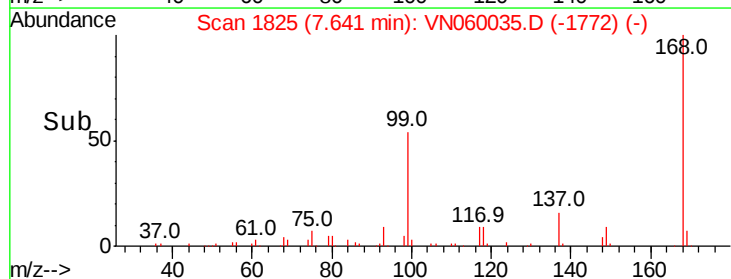
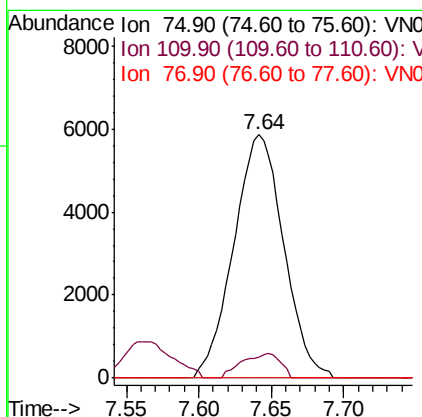
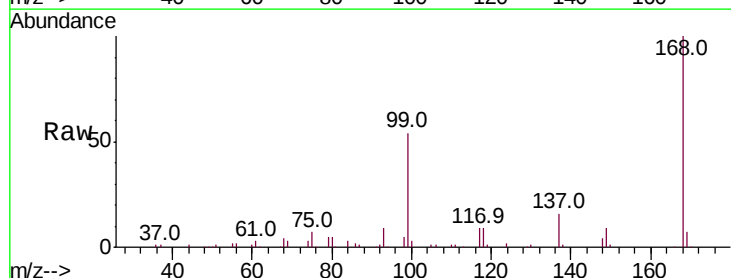
Instrument :
 MSVOA_N
 ClientSampleId :

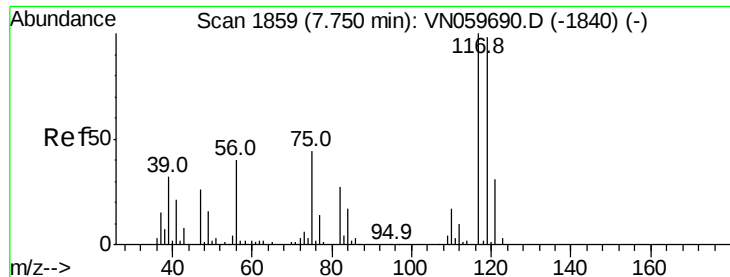
Tot Ion:113 Resp: 92281
 Ion Ratio Lower Upper
 113 100
 111 104.1 83.5 125.3
 192 21.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.325 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060035.D
 Acq: 10 Feb 2020 10:38

Tgt Ion: 75 Resp: 14046
 Ion Ratio Lower Upper
 75 100
 110 7.9 16.6 49.7#
 77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.299 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :

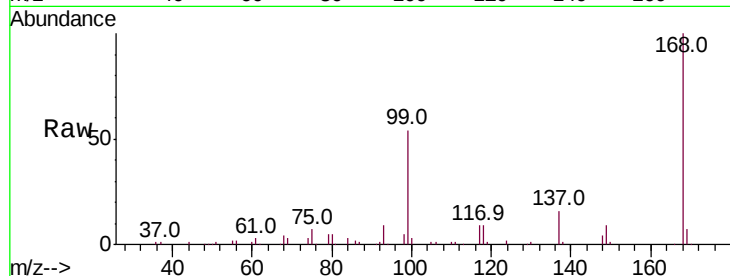
Tot Ion:117 Resp: 18073

Ion Ratio Lower Upper

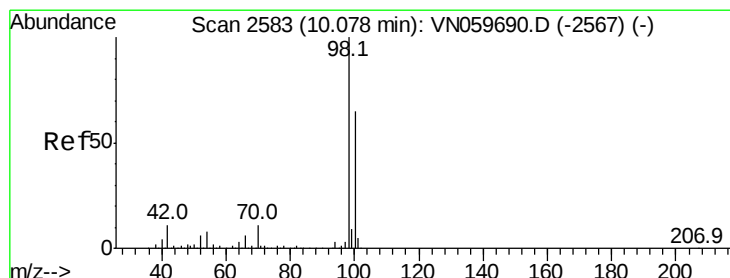
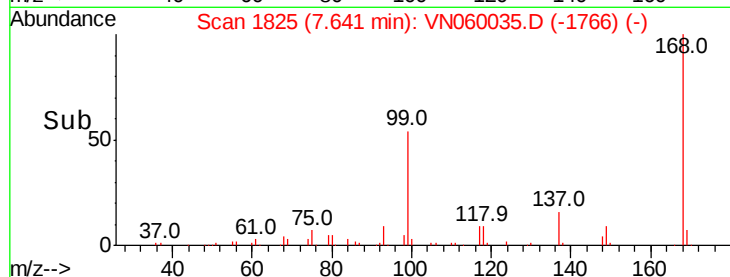
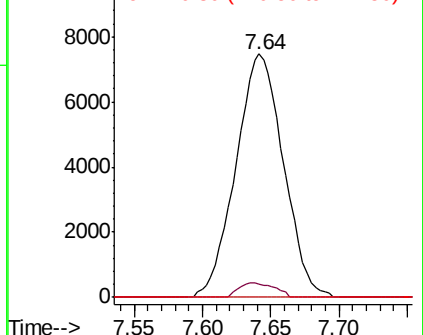
117 100

119 5.5 76.5 114.7#

121 0.0 25.1 37.7#



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: 51.471 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060035.D

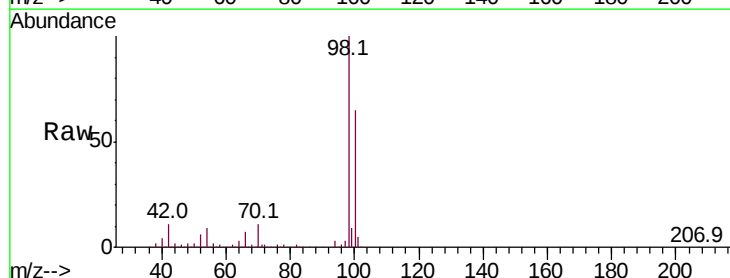
Acq: 10 Feb 2020 10:38

Tgt Ion: 98 Resp: 360225

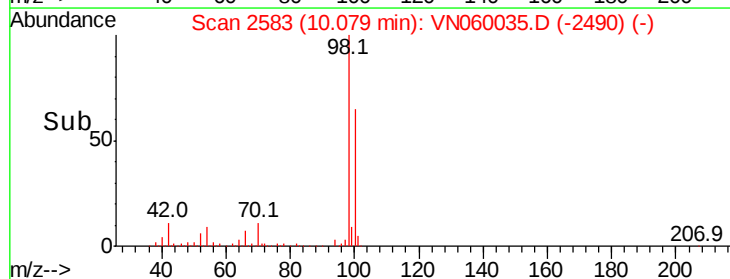
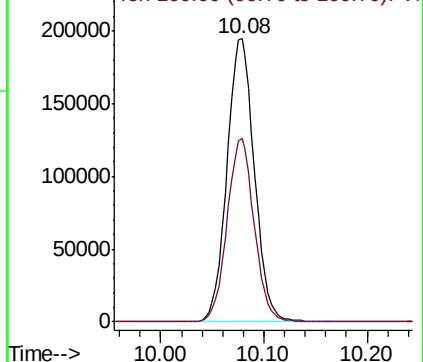
Ion Ratio Lower Upper

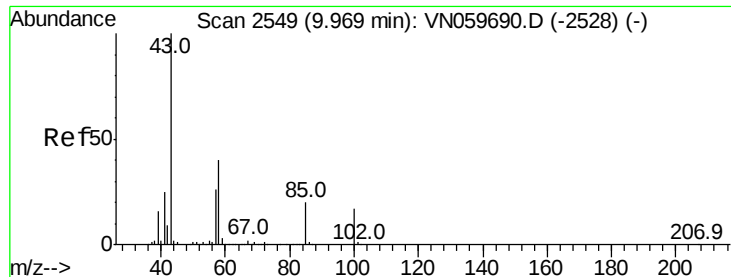
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.370 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.01 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

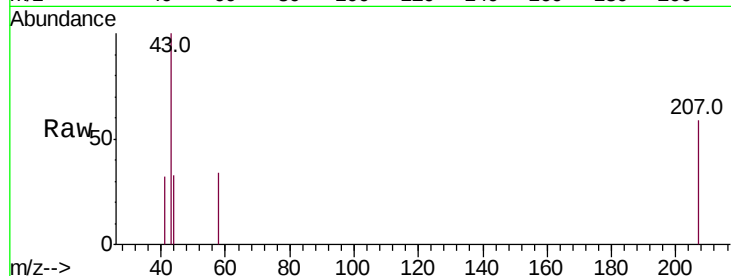
ClientSampleId :

Tot Ion: 43 Resp: 911

Ion Ratio Lower Upper

43 100

58 22.1 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600

500

400

300

200

100

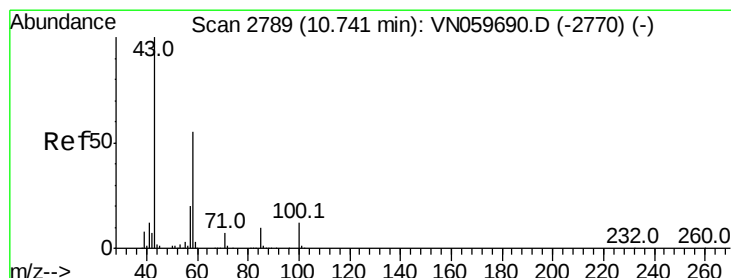
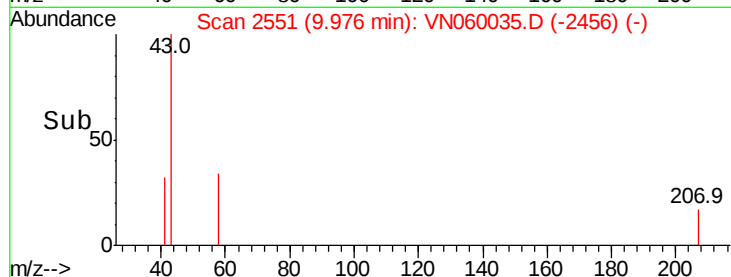
0

9.95

9.98

10.00

Time-->



#59

2-Hexanone

Concen: 0.530 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VN060035.D

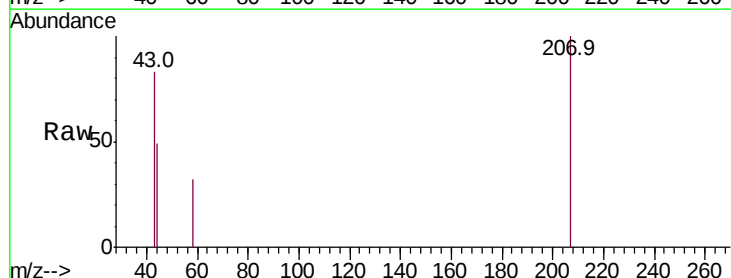
Acq: 10 Feb 2020 10:38

Tgt Ion: 43 Resp: 961

Ion Ratio Lower Upper

43 100

58 27.6 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

400

300

200

100

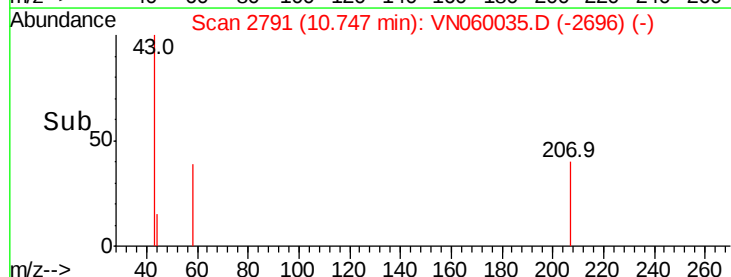
0

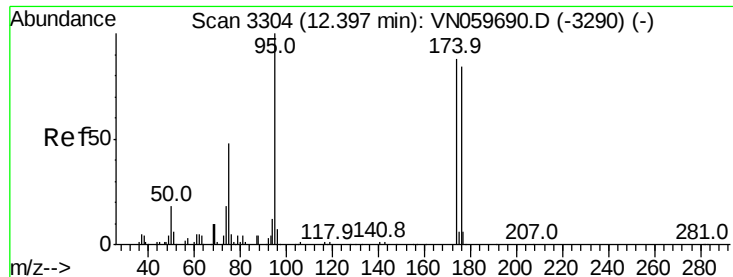
10.70

10.75

10.80

Time-->





#62

4-Bromofluorobenzene

Concen: 47.246 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060035.D

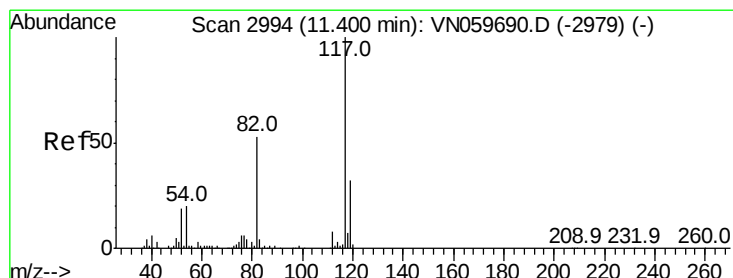
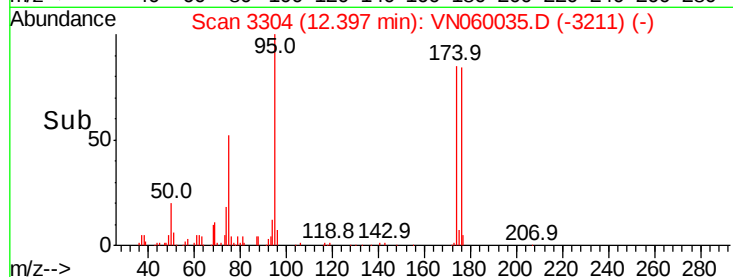
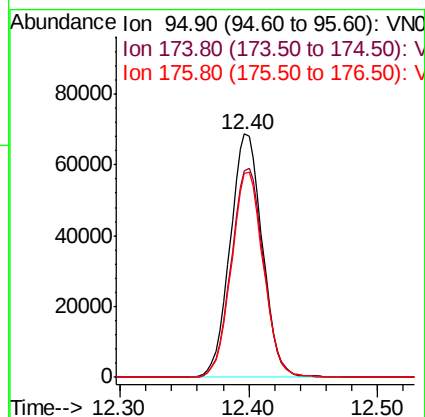
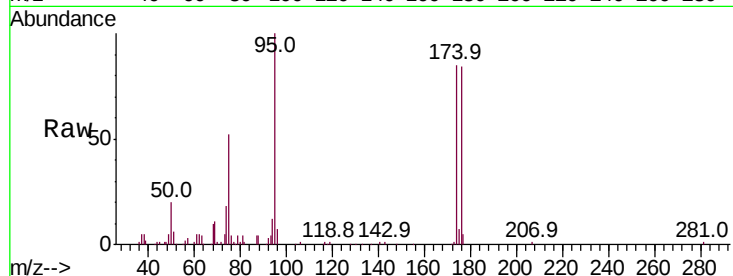
Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	95	Resp:	119202
Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	151.4
176	83.8	0.0	146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

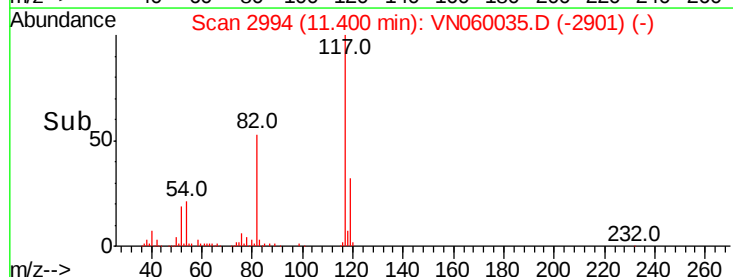
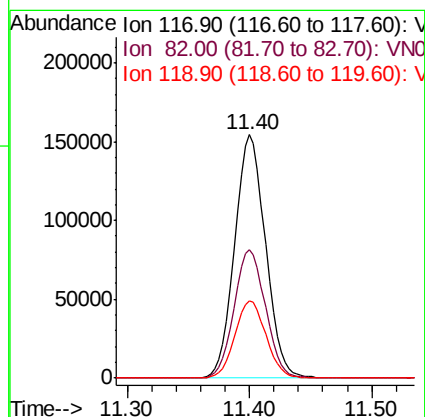
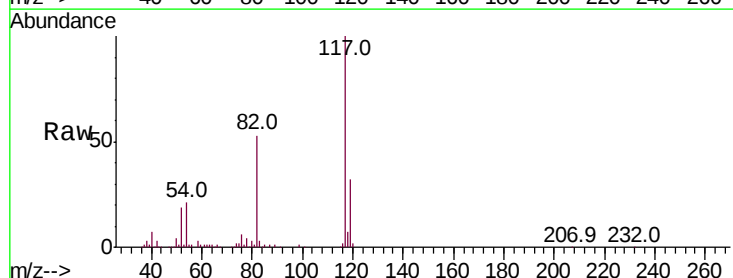
RT: 11.40 min Scan# 2994

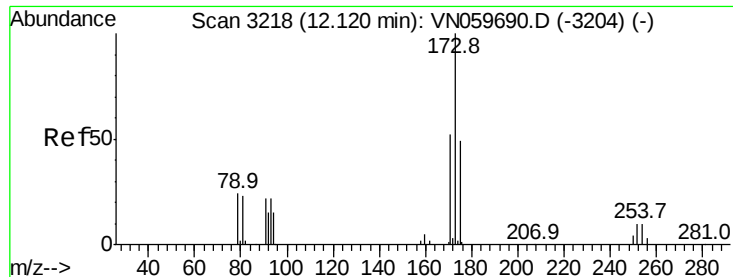
Delta R.T. 0.00 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Tgt Ion:	117	Resp:	270988
Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.9	68.9
119	31.8	25.5	38.3

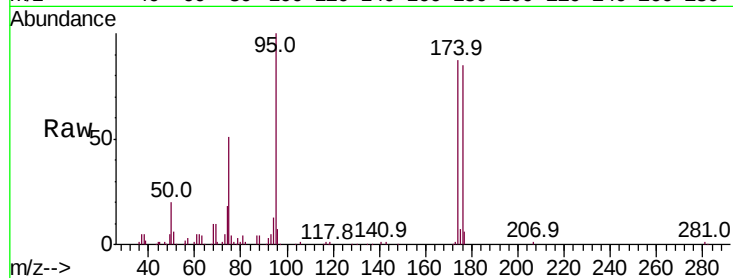




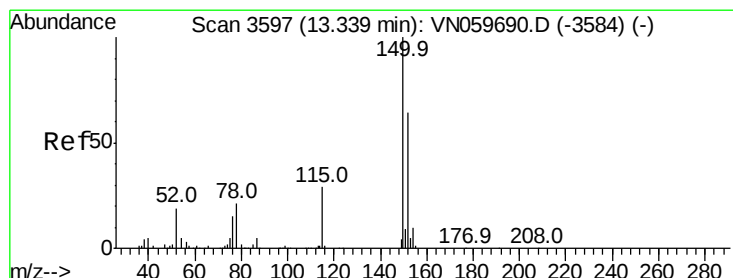
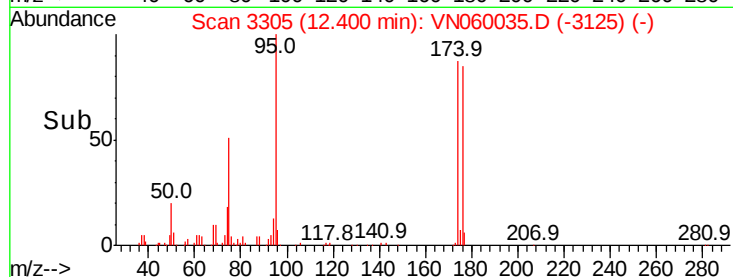
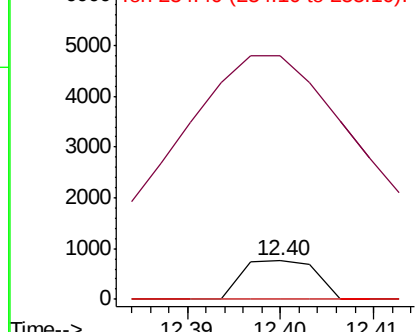
#71
Bromoform
Concen: 0.258 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060035.D
Acq: 10 Feb 2020 10:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 425
Ion Ratio Lower Upper
173 100
175 1484.9 23.8 71.4#
254 0.0 0.0 0.0

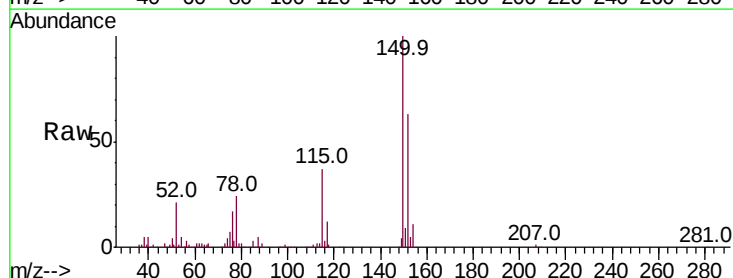


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

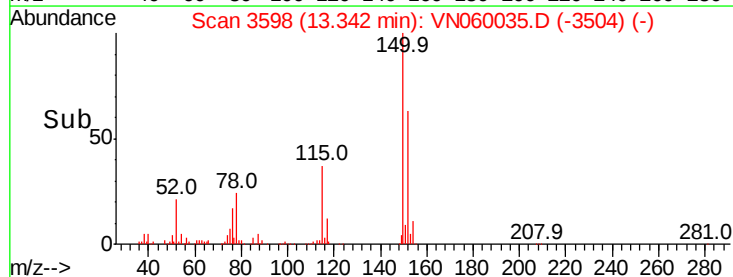
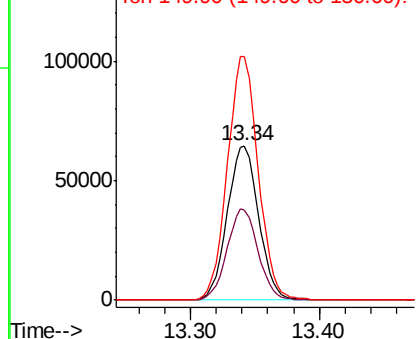


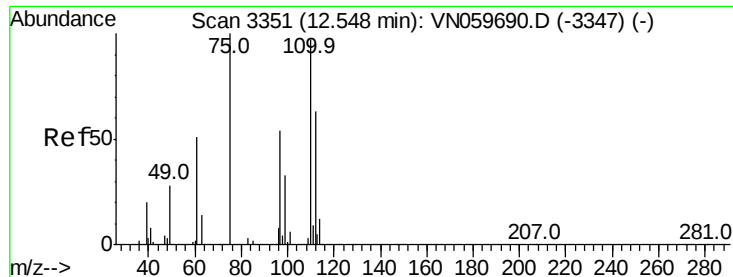
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN060035.D
Acq: 10 Feb 2020 10:38

Tgt Ion:152 Resp: 109261
Ion Ratio Lower Upper
152 100
115 58.3 30.3 90.9
150 154.7 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: 33.762 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

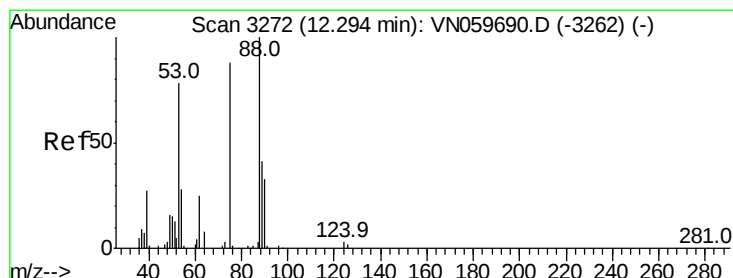
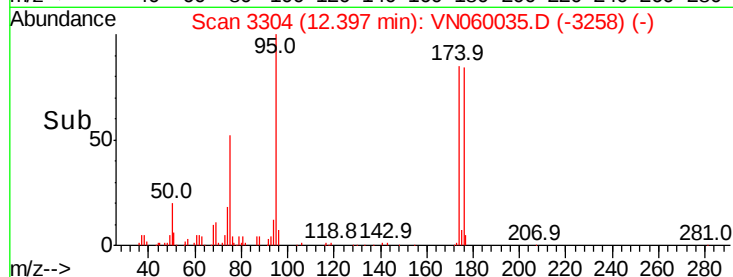
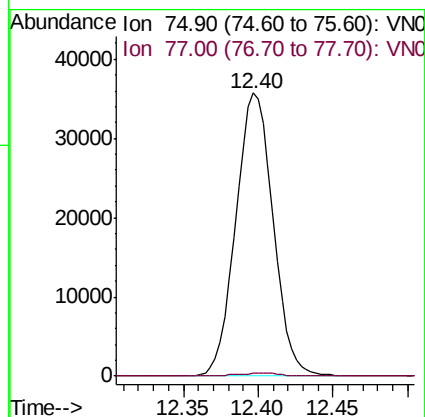
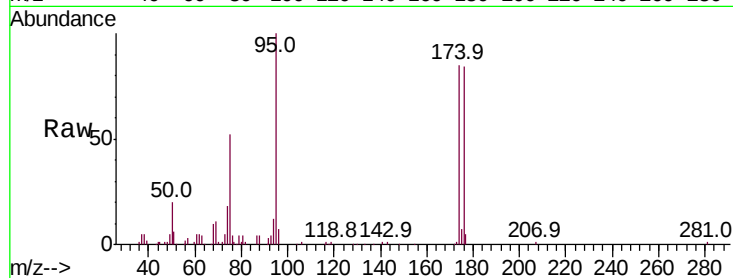
ClientSampleId :

Tot Ion: 75 Resp: 62080

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.504 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

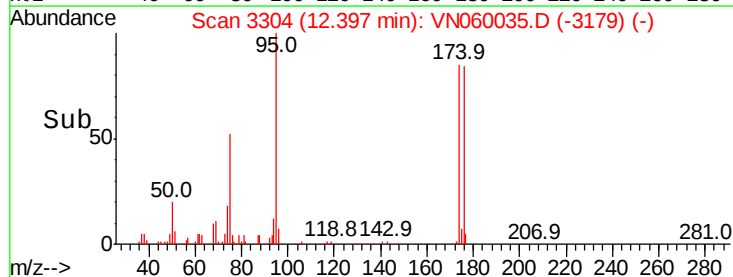
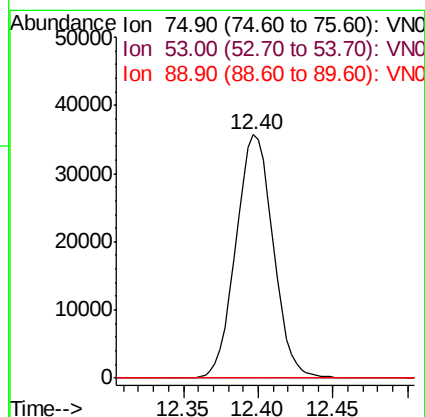
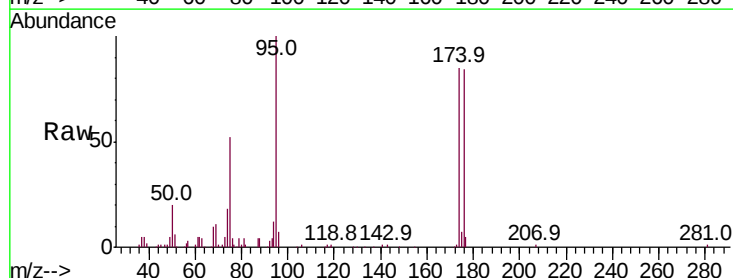
Tgt Ion: 75 Resp: 62080

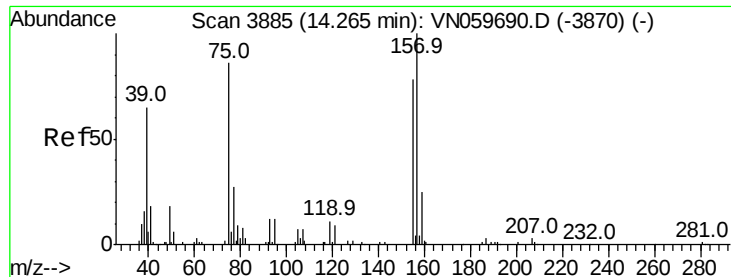
Ion Ratio Lower Upper

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: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

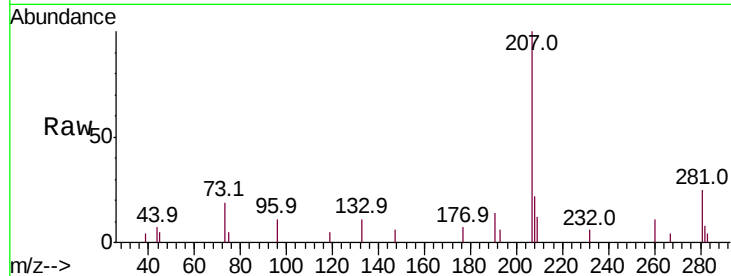
Tot Ion: 75 Resp: 202

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

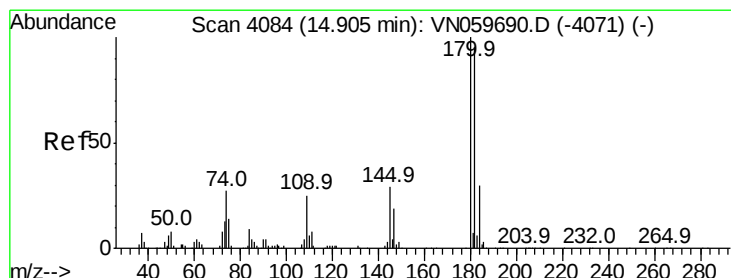
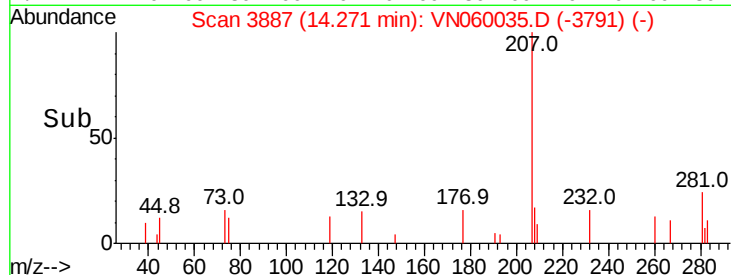
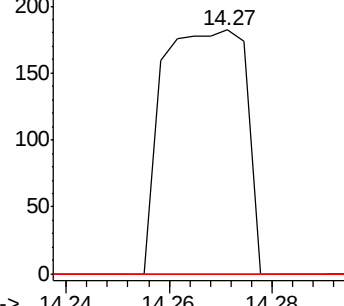
157 0.0 48.4 145.2#



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: 0.594 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

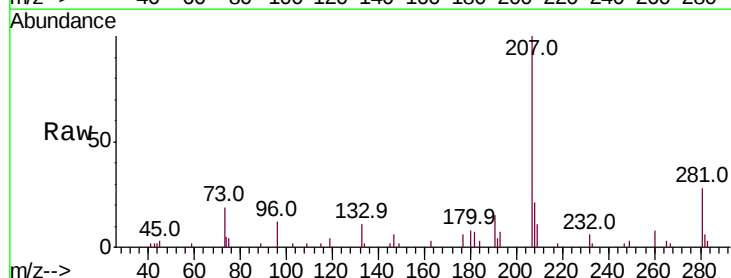
Tgt Ion:180 Resp: 1244

Ion Ratio Lower Upper

180 100

182 80.1 46.9 140.7

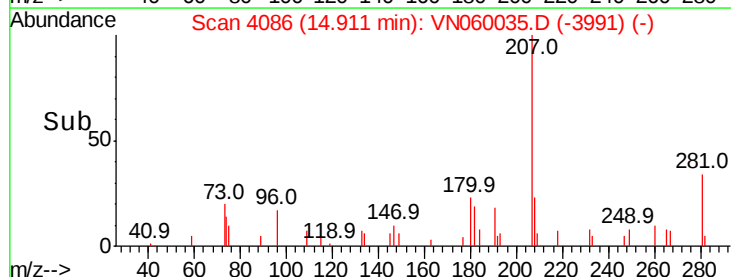
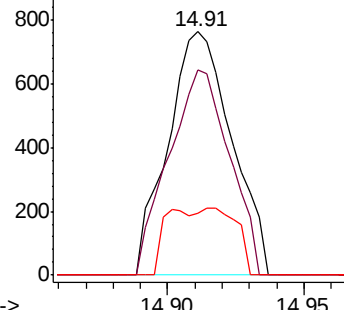
145 12.1 15.0 45.1#

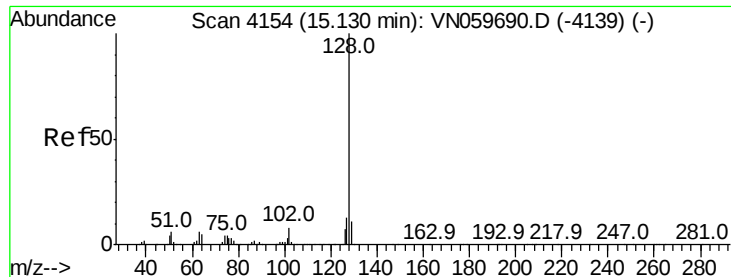


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 0.852 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

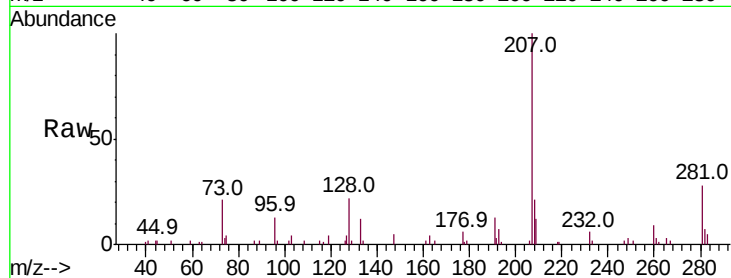
Tot Ion:128 Resp: 5074

Ion Ratio Lower Upper

128 100

127 11.1 10.4 15.6

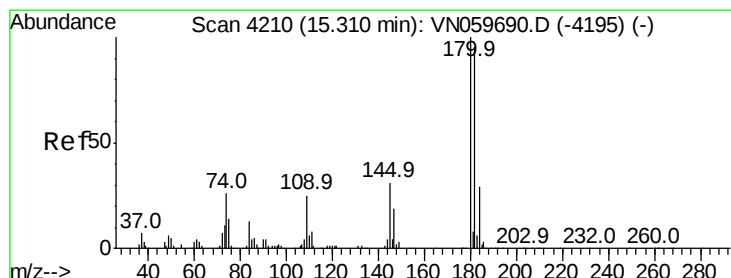
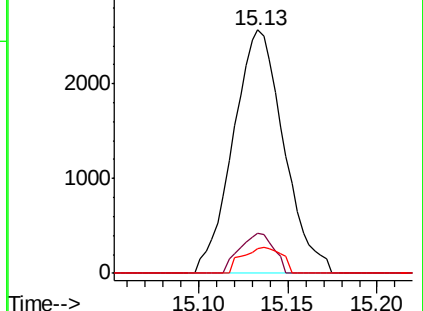
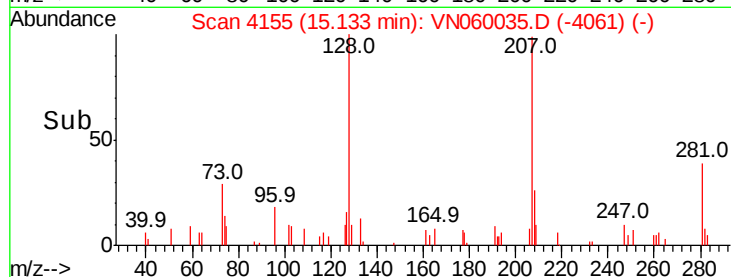
129 8.4 8.6 12.8#



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: 0.905 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN060035.D

Acq: 10 Feb 2020 10:38

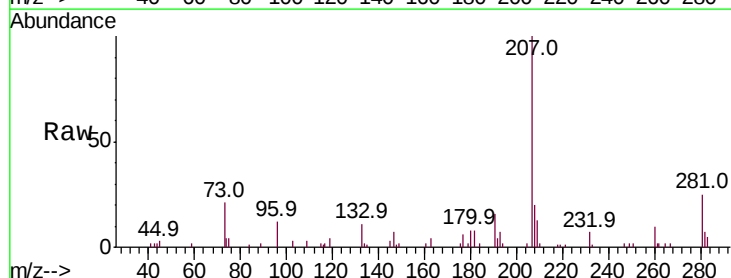
Tgt Ion:180 Resp: 1844

Ion Ratio Lower Upper

180 100

182 95.1 47.4 142.3

145 30.9 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

