

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060365.D
 Acq On : 5 Mar 2020 14:36
 Operator : JC/MD
 Sample : L1777-03DL 20X
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683DL

Quant Time: Mar 06 00:45:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	209998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	340982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	322612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151404	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	133584	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
35) Dibromofluoromethane	7.57	113	94994	60.02	ug/l	0.00
Spiked Amount			Recovery	=	120.04%	
50) Toluene-d8	10.08	98	422542	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	157925	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	

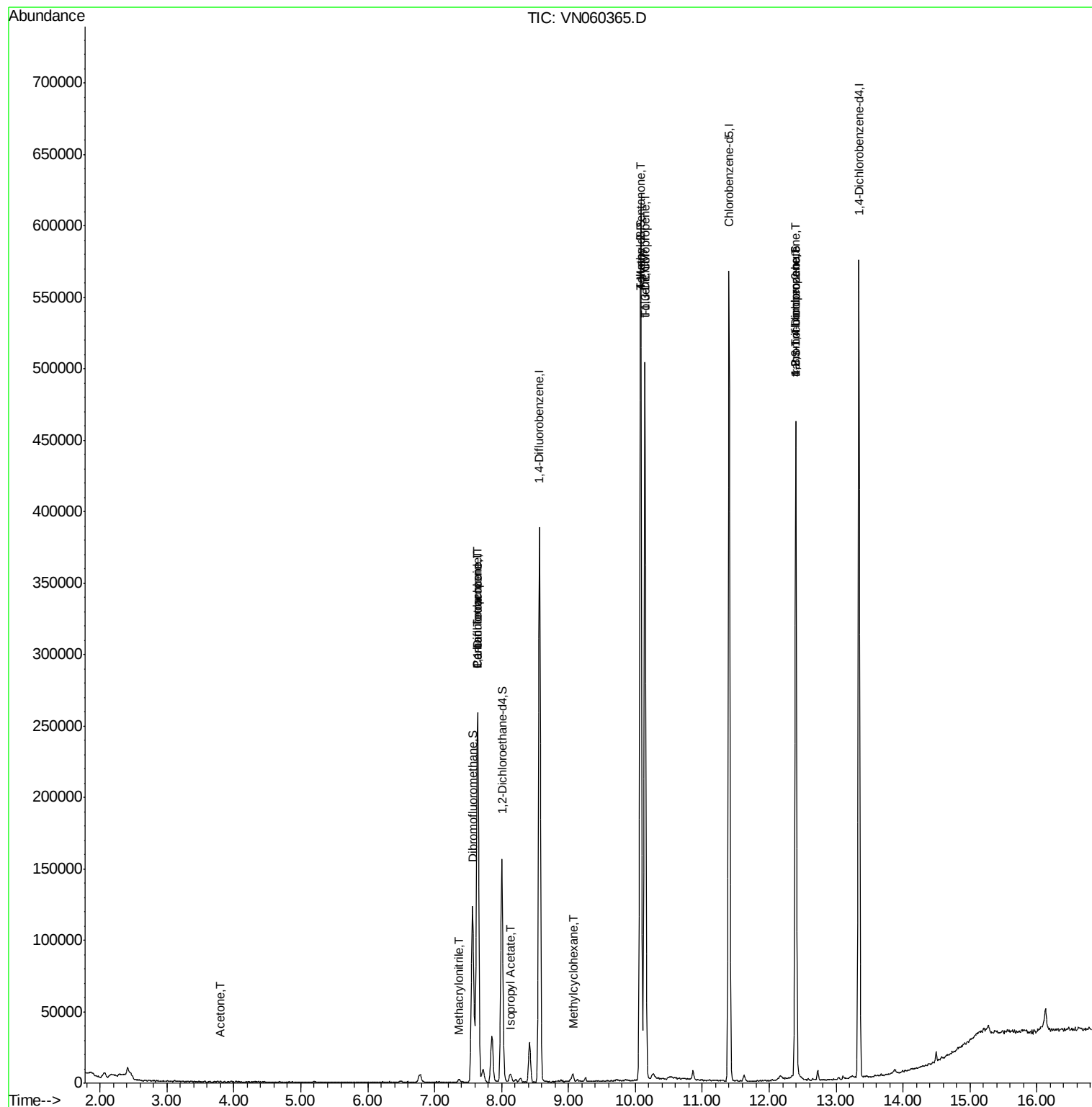
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	191	0.220	ug/l #	44
17) Carbon Disulfide	4.03	76	144	Below Cal	#	75
31) Cyclohexane	7.62	56	3944	Below Cal	#	72
36) 1,1-Dichloropropene	7.64	75	16475	5.070	ug/l #	50
38) Carbon Tetrachloride	7.64	117	20426	6.456	ug/l #	16
39) Methylcyclohexane	9.06	83	2310	0.603	ug/l	94
41) Methacrylonitrile	7.36	41	333	0.234	ug/l #	100
43) Isopropyl Acetate	8.13	43	2888	0.536	ug/l #	55
51) 4-Methyl-2-Pentanone	10.08	43	2009	0.658	ug/l #	1
52) Toluene	10.14	92	219287	36.908	ug/l	100
53) t-1,3-Dichloropropene	10.14	75	2700	0.675	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	80915	24.359	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	80915	67.241	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	101	Below Cal	#	25
88) 1,4-Dichlorobenzene	13.36	146	183	Below Cal	#	1
95) Naphthalene	15.13	128	545	Below Cal	#	69

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

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

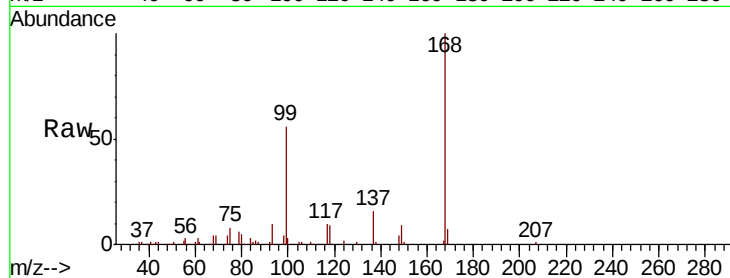
40681-40683DL

Tot Ion:168 Resp: 209998

Ion Ratio Lower Upper

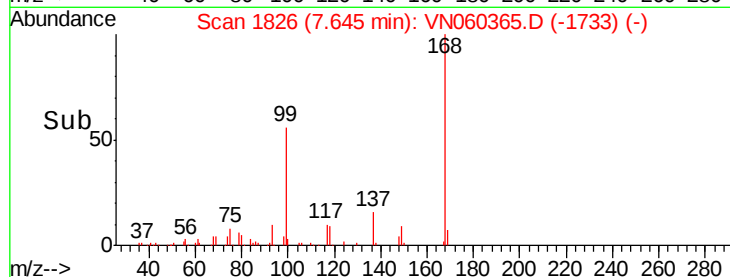
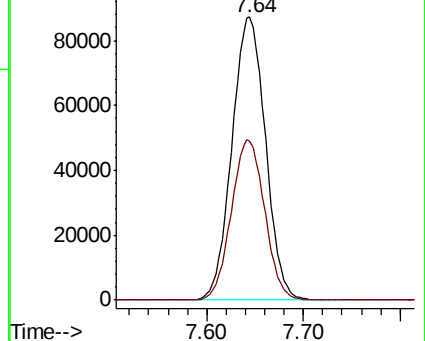
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 0.220 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN060365.D

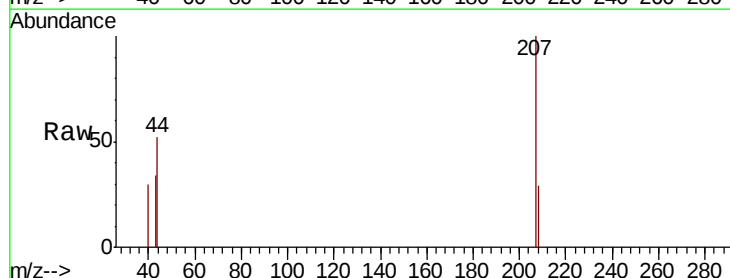
Acq: 5 Mar 2020 14:36

Tgt Ion: 43 Resp: 191

Ion Ratio Lower Upper

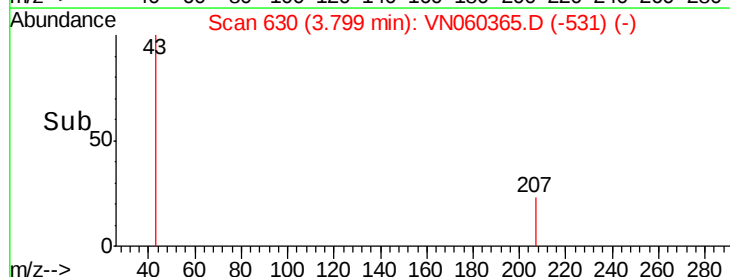
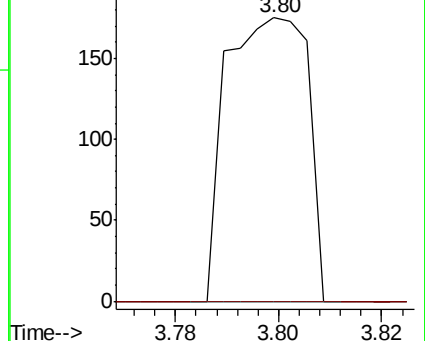
43 100

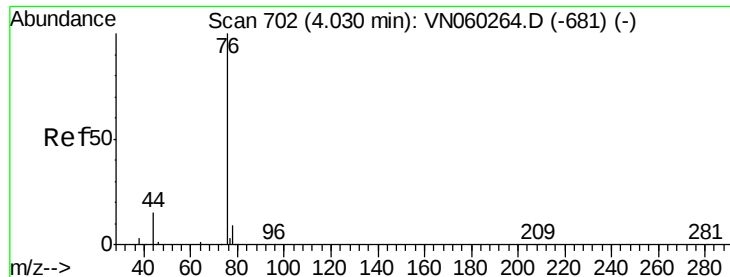
58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

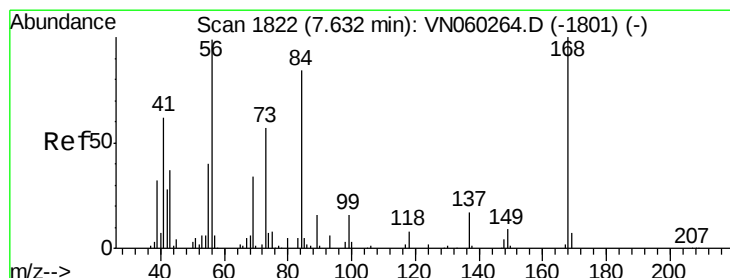
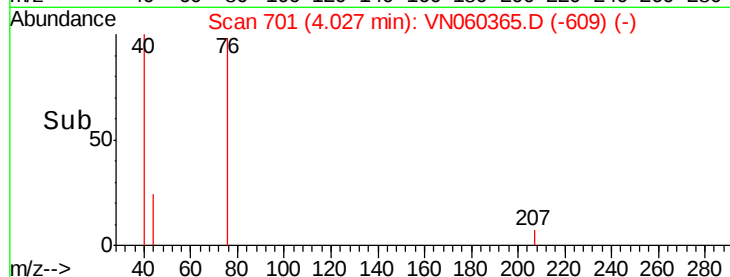
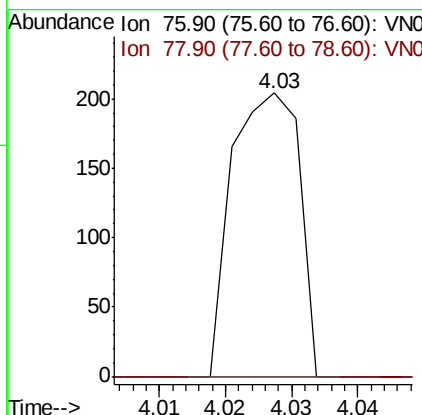
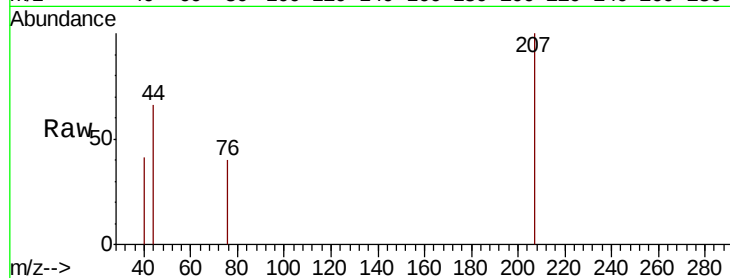




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

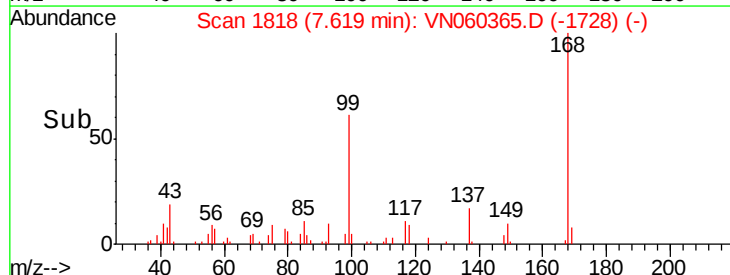
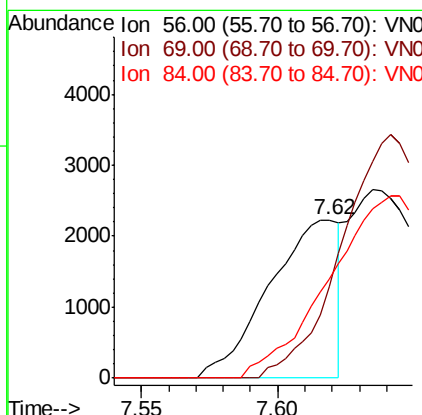
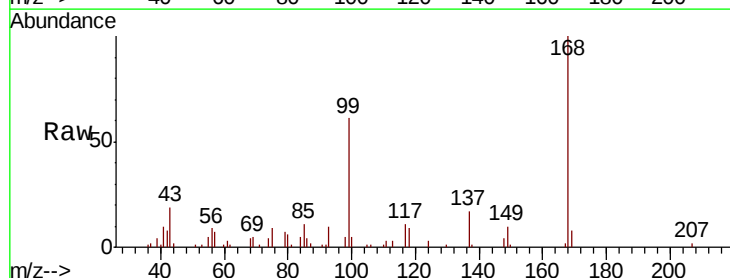
Instrument :
MSVOA_N
ClientSampleId :
40681-40683DL

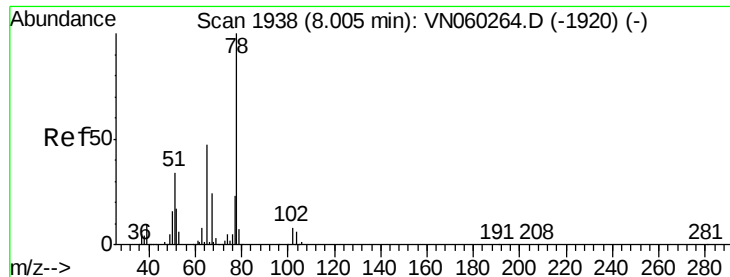
Tot Ion: 76 Resp: 144
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

Tgt Ion: 56 Resp: 3944
Ion Ratio Lower Upper
56 100
69 57.9 27.2 40.8#
84 62.9 66.7 100.1#





#33

1,2-Dichloroethane-d4

Concen: 49.580 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

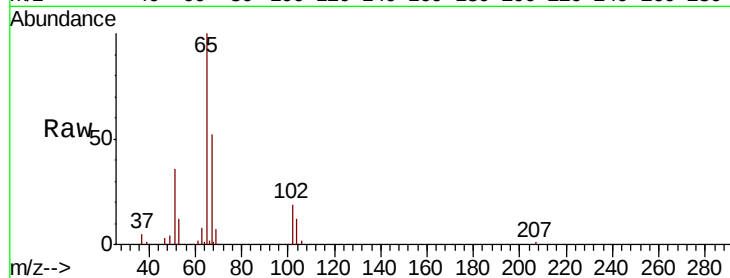
40681-40683DL

Tot Ion: 65 Resp: 133584

Ion Ratio Lower Upper

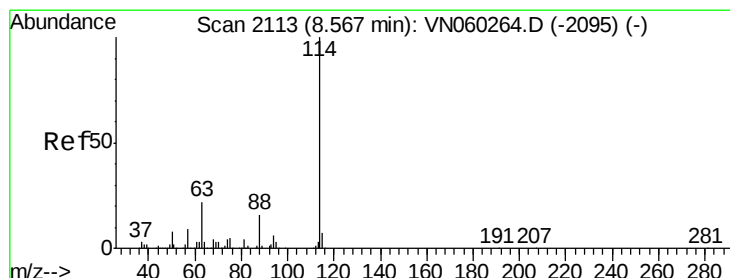
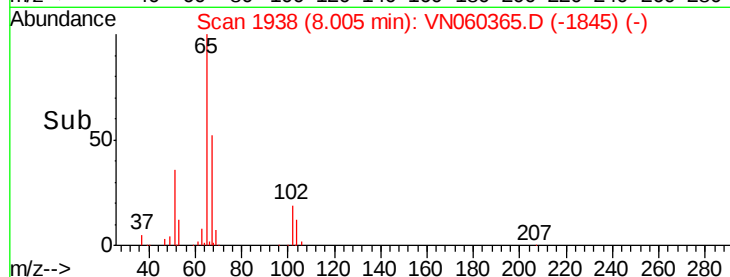
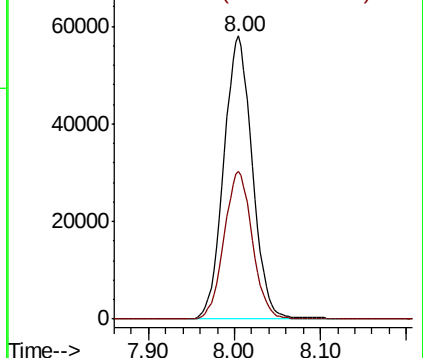
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060365.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060365.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

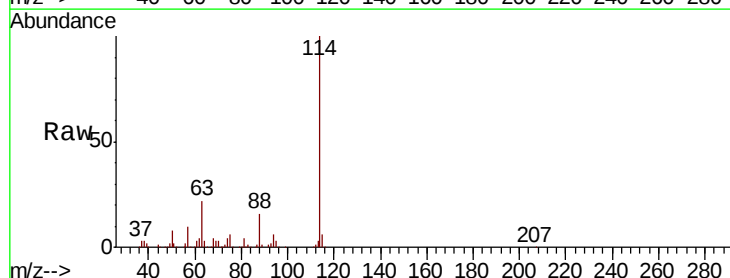
Tgt Ion: 114 Resp: 340982

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

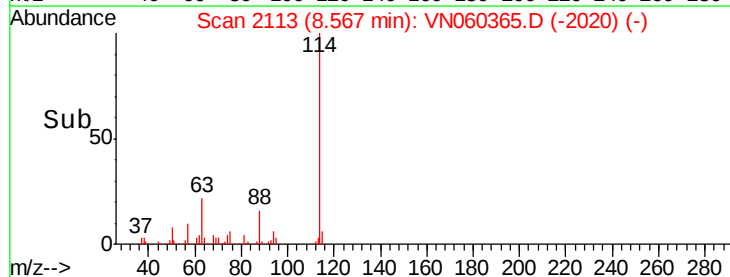
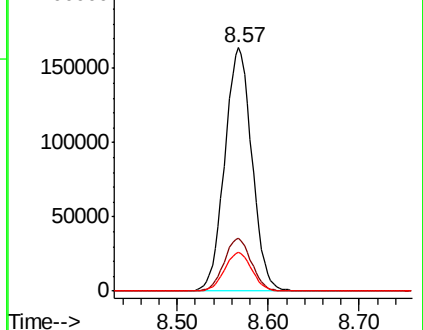
88 15.9 0.0 31.6

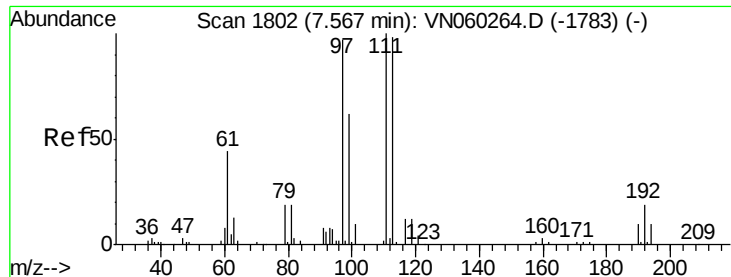


Abundance Ion 113.90 (113.60 to 114.60): VN060365.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060365.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060365.D (-2020) (-)

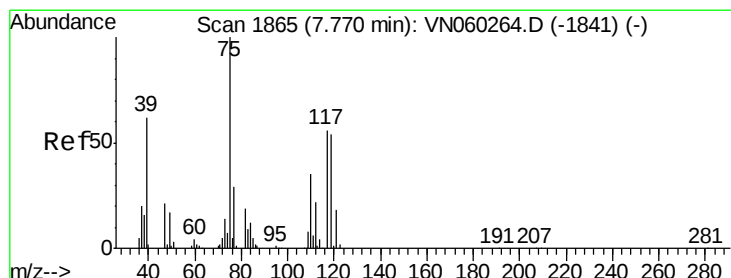
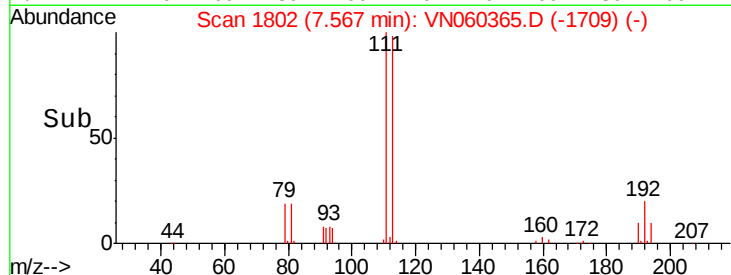
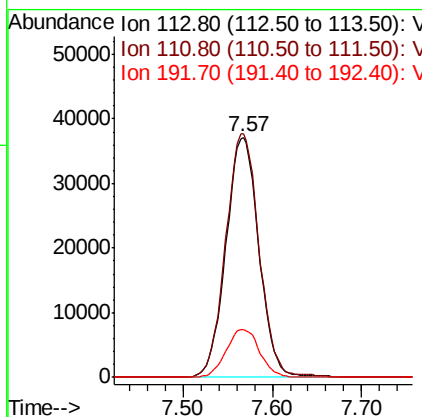
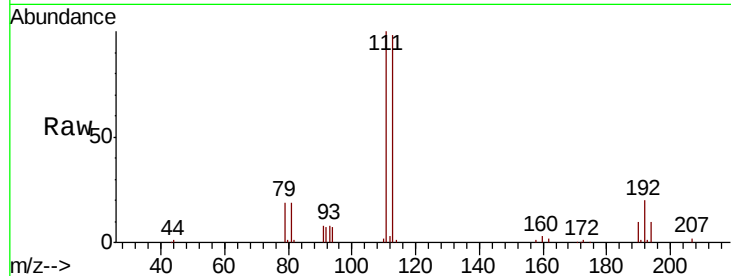




#35
 Dibromofluoromethane
 Concen: 60.019 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060365.D
 Acq: 5 Mar 2020 14:36

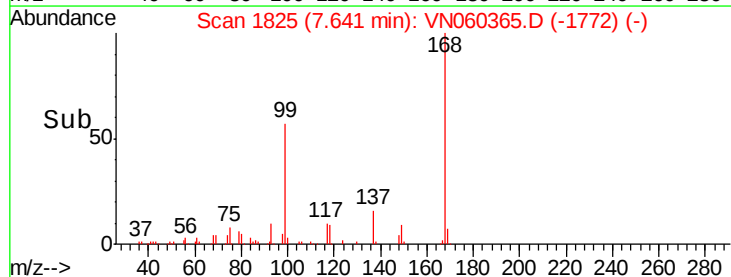
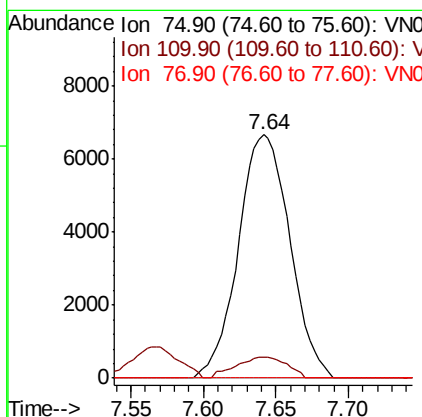
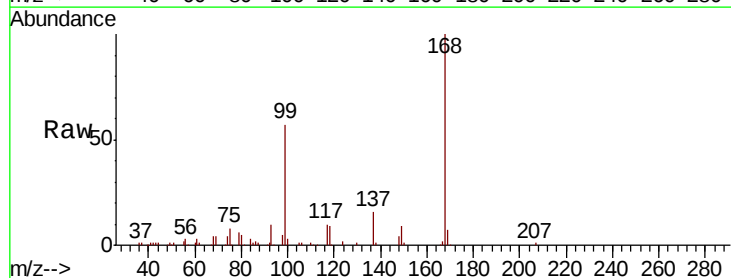
Instrument :
 MSVOA_N
 ClientSampleId :
 40681-40683DL

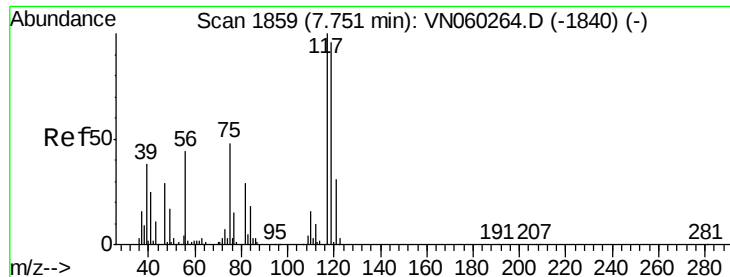
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	20.2	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 5.070 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060365.D
 Acq: 5 Mar 2020 14:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.3	52.0#
77	0.0	24.2	36.2#





#38

Carbon Tetrachloride

Concen: 6.456 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

40681-40683DL

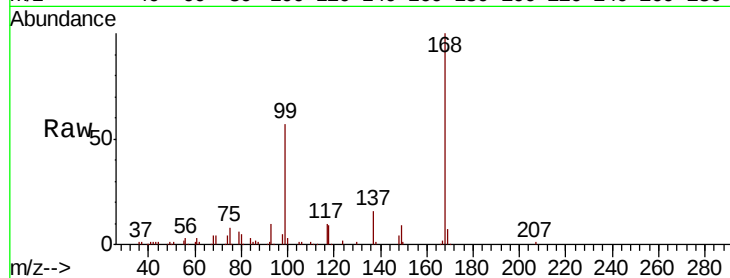
Tot Ion:117 Resp: 20426

Ion Ratio Lower Upper

117 100

119 4.6 76.7 115.1#

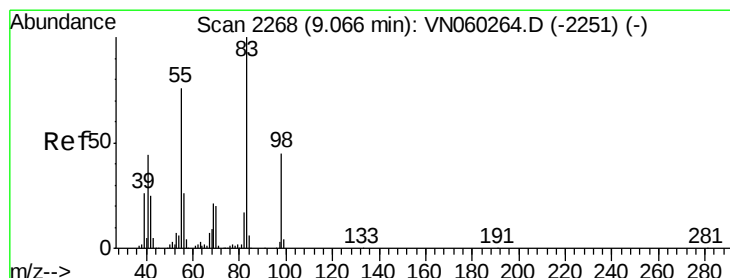
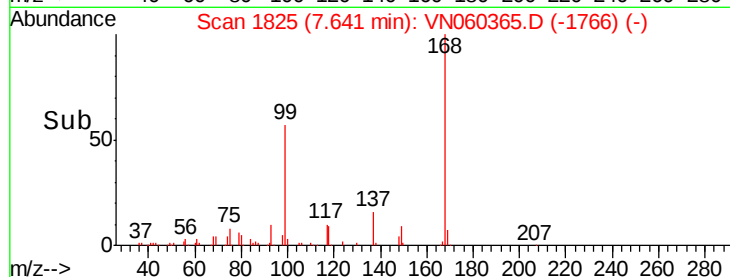
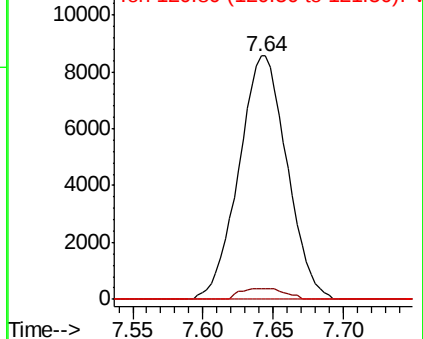
121 0.0 24.5 36.7#



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



#39

Methylcyclohexane

Concen: 0.603 ug/l

RT: 9.06 min Scan# 2267

Delta R.T. -0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

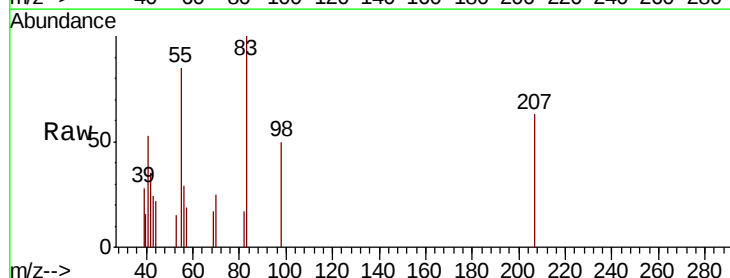
Tgt Ion: 83 Resp: 2310

Ion Ratio Lower Upper

83 100

55 71.5 61.0 91.4

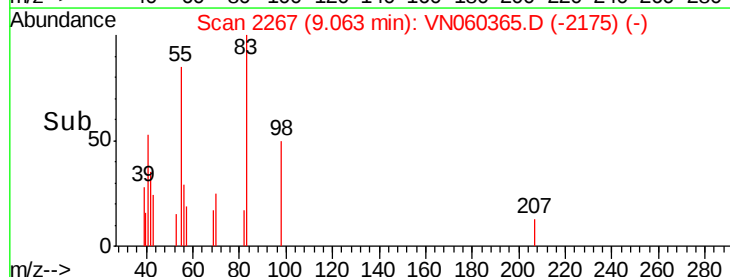
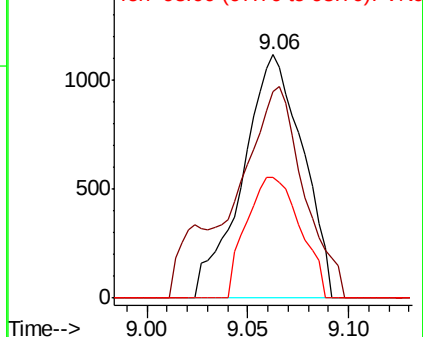
98 49.8 36.1 54.1

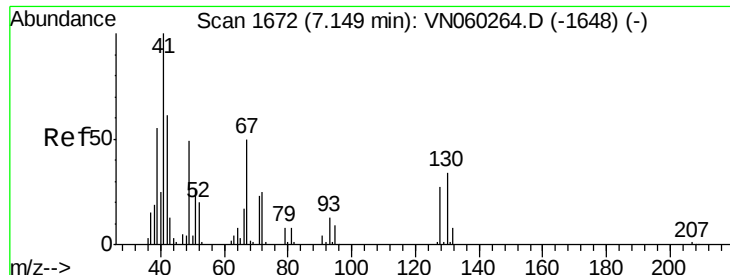


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

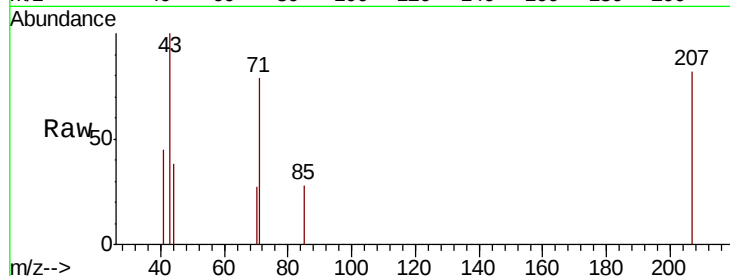




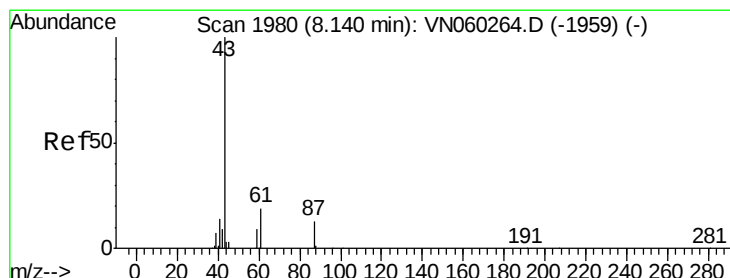
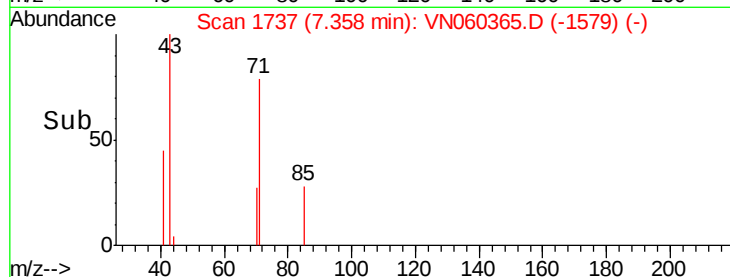
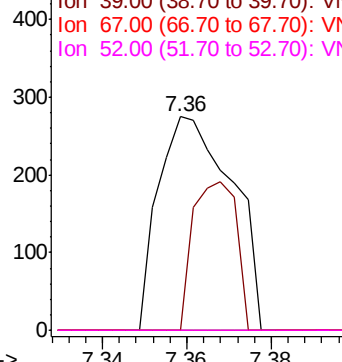
#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.21 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

Instrument :
MSVOA_N
ClientSampled :
40681-40683DL

Tot Ion:	41	Resp:	333
Ion	Ratio	Lower	Upper
41	100		
39	40.8	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

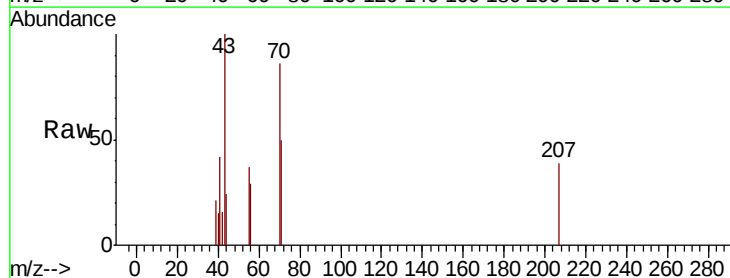


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

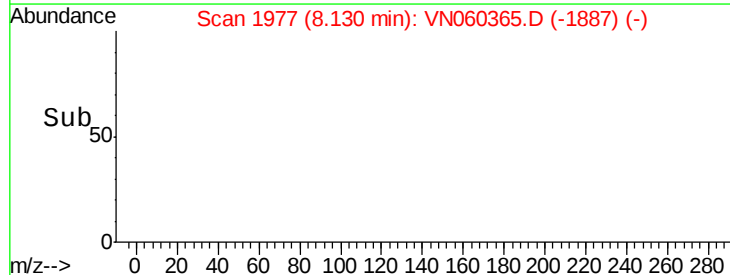
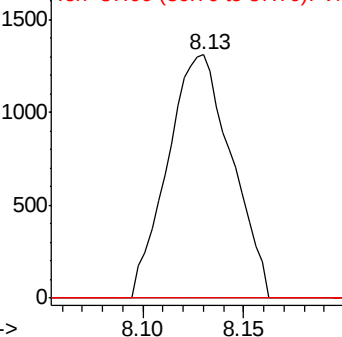


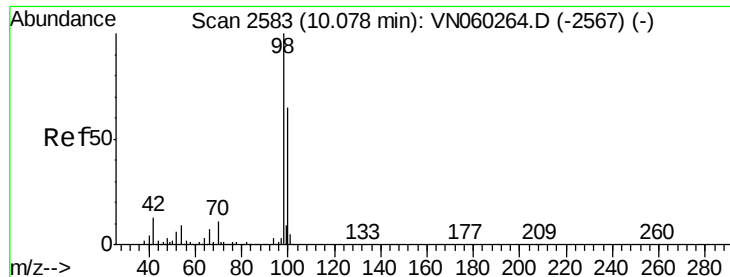
#43
Isopropyl Acetate
Concen: 0.536 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. -0.01 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

Tgt Ion:	43	Resp:	2888
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.9	31.3#
87	0.0	10.6	16.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 52.749 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

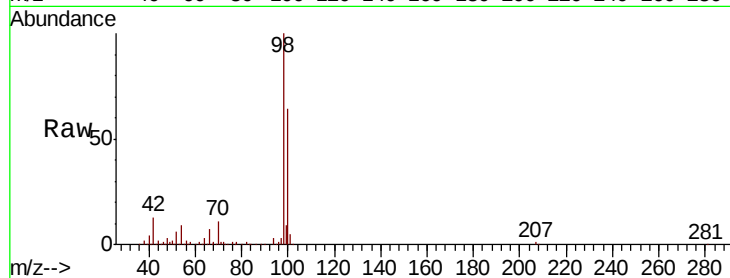
40681-40683DL

Tot Ion: 98 Resp: 422542

Ion Ratio Lower Upper

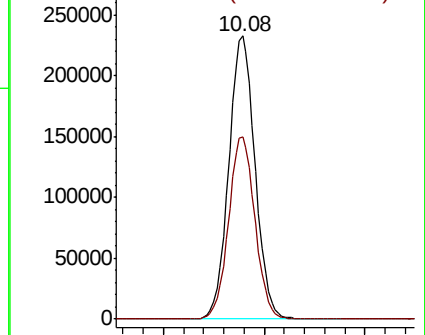
98 100

100 64.7 52.2 78.2

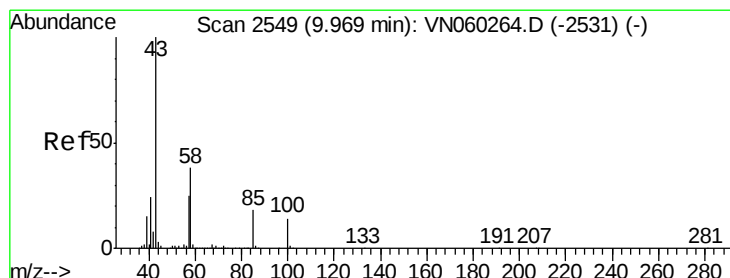
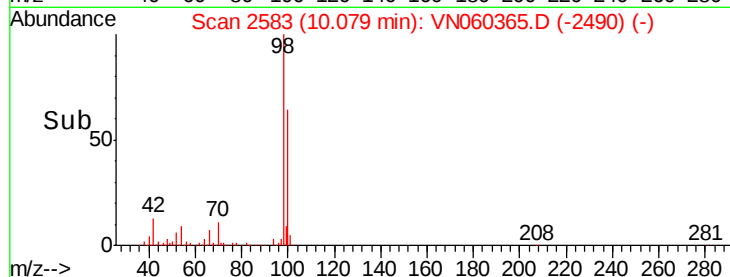


Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.658 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060365.D

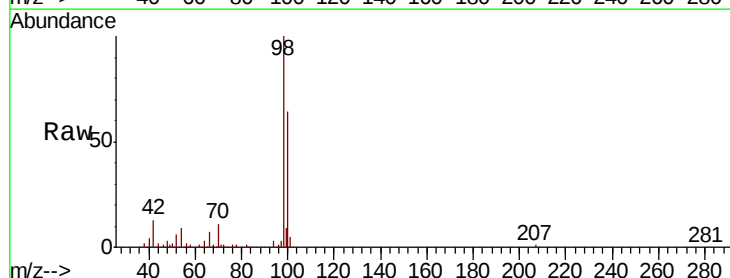
Acq: 5 Mar 2020 14:36

Tgt Ion: 43 Resp: 2009

Ion Ratio Lower Upper

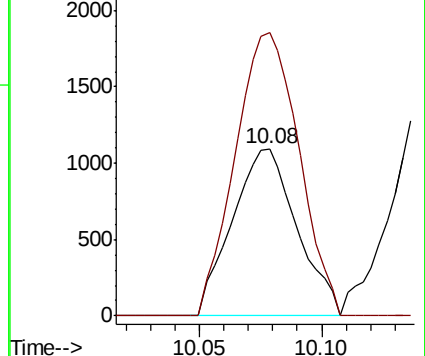
43 100

58 167.3 30.9 46.3#

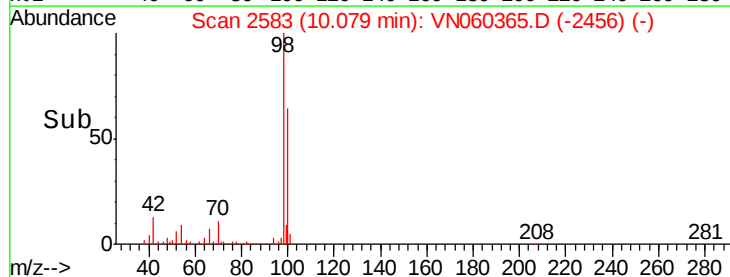


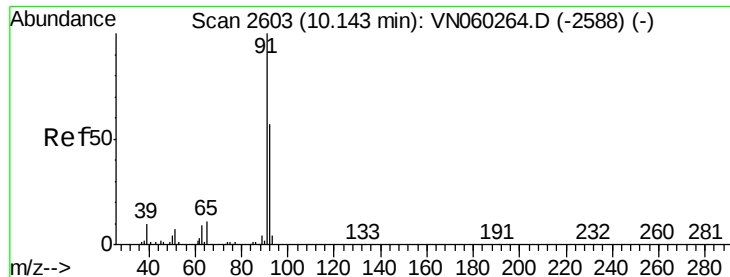
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->





#52

Toluene

Concen: 36.908 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

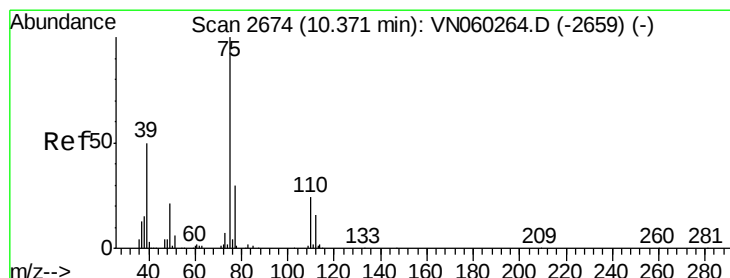
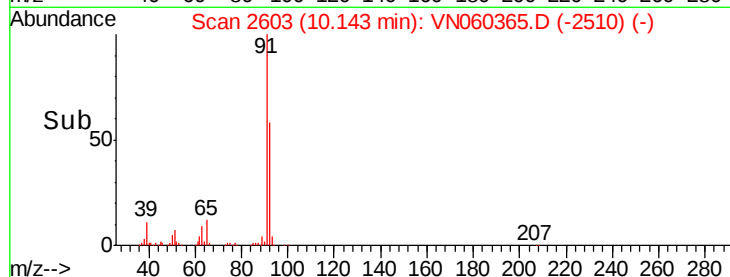
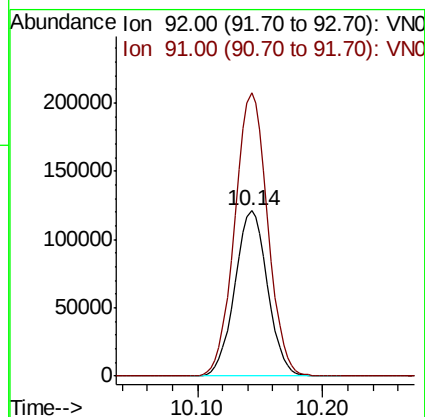
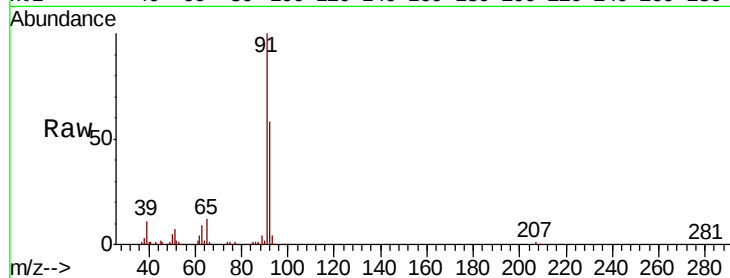
40681-40683DL

Tot Ion: 92 Resp: 219287

Ion Ratio Lower Upper

92 100

91 172.5 138.1 207.1



#53

t-1,3-Dichloropropene

Concen: 0.675 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.23 min

Lab File: VN060365.D

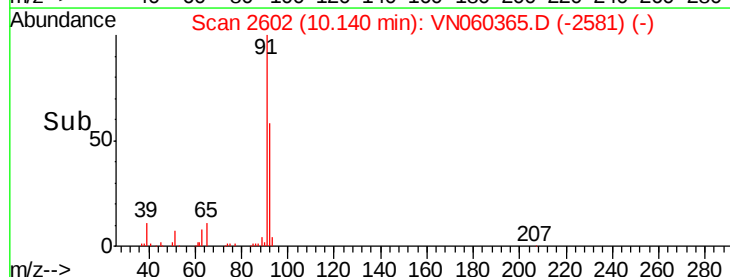
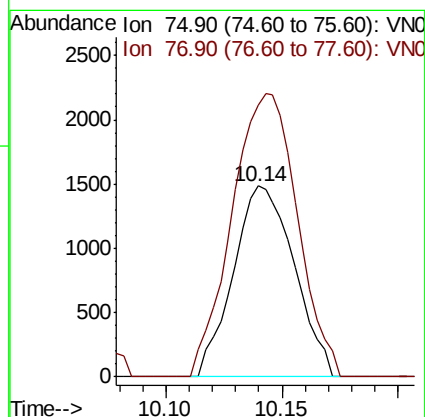
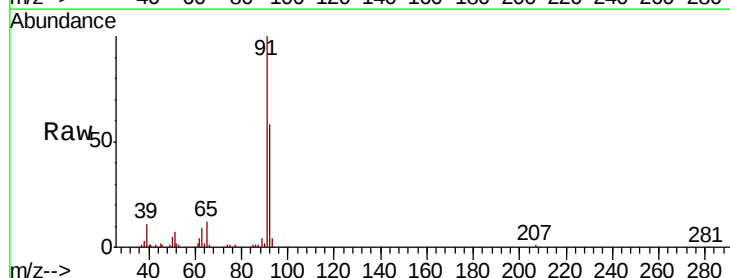
Acq: 5 Mar 2020 14:36

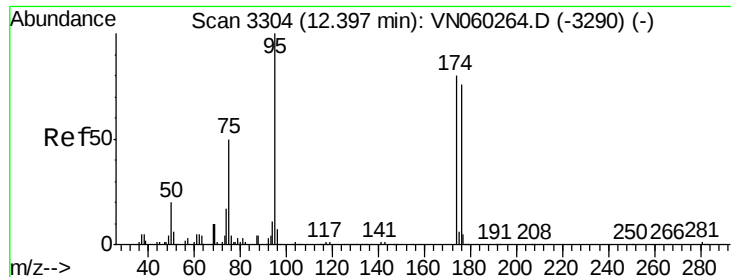
Tgt Ion: 75 Resp: 2700

Ion Ratio Lower Upper

75 100

77 142.6 24.8 37.2#

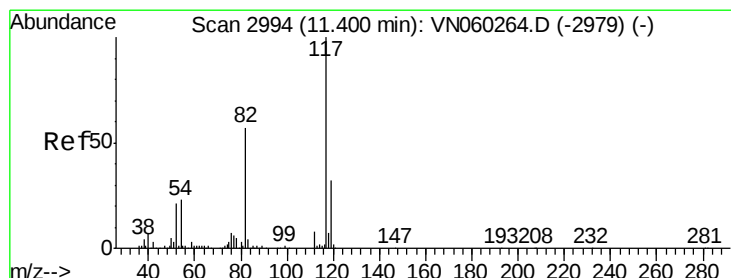
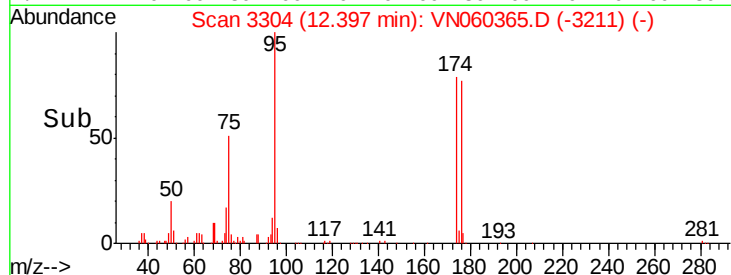
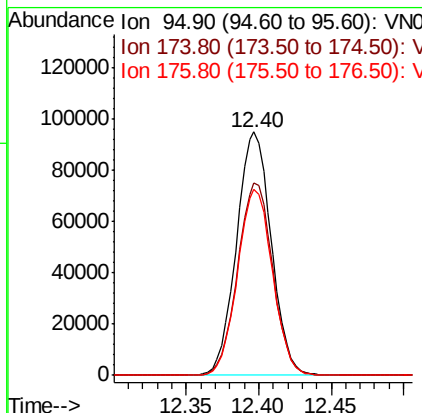
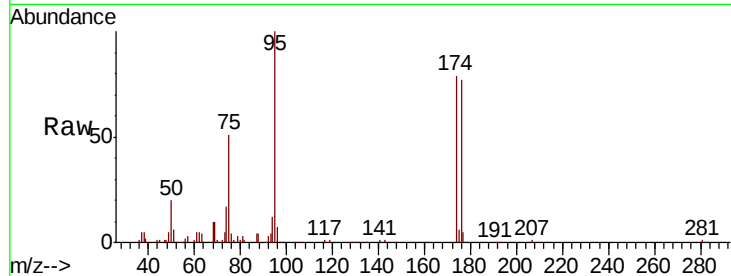




#62
4-Bromofluorobenzene
Concen: 52.008 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

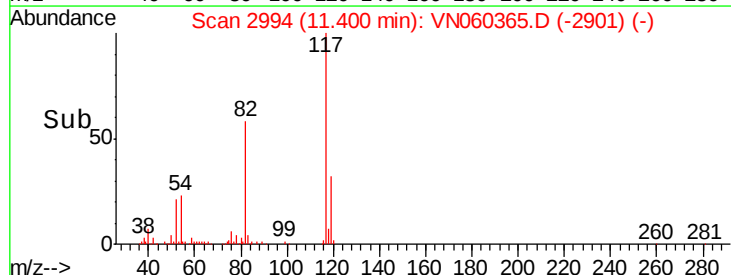
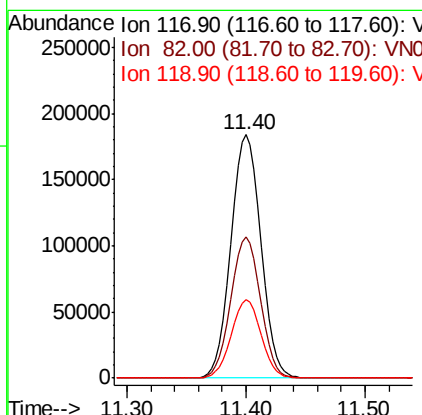
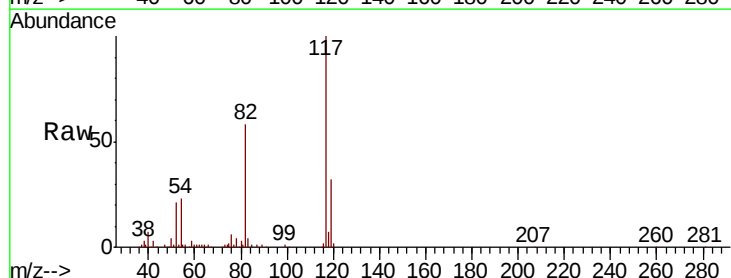
Instrument :
MSVOA_N
ClientSampleId :
40681-40683DL

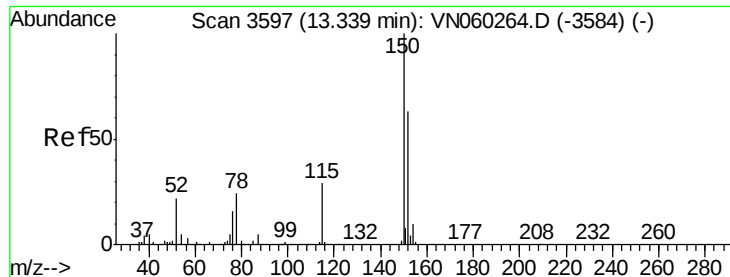
Tot Ion: 95 Resp: 157925
Ion Ratio Lower Upper
95 100
174 80.0 0.0 159.2
176 77.2 0.0 153.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060365.D
Acq: 5 Mar 2020 14:36

Tgt Ion: 117 Resp: 322612
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.6
119 32.1 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

40681-40683DL

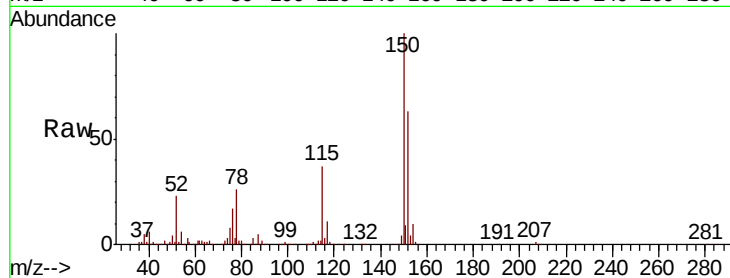
Tot Ion:152 Resp: 151404

Ion Ratio Lower Upper

152 100

115 59.0 30.0 90.0

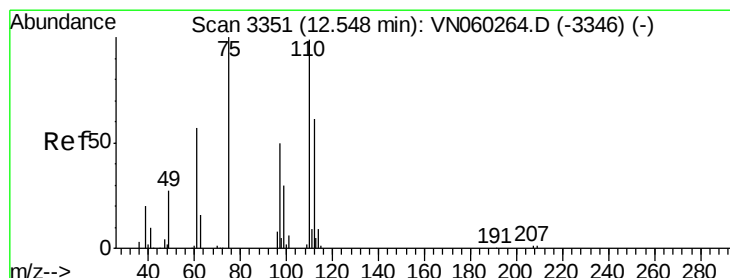
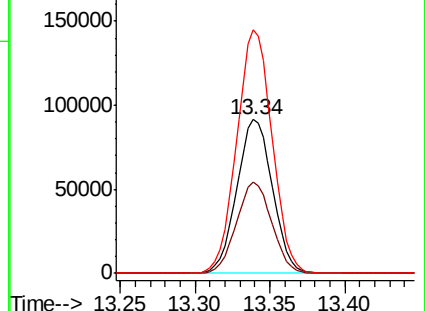
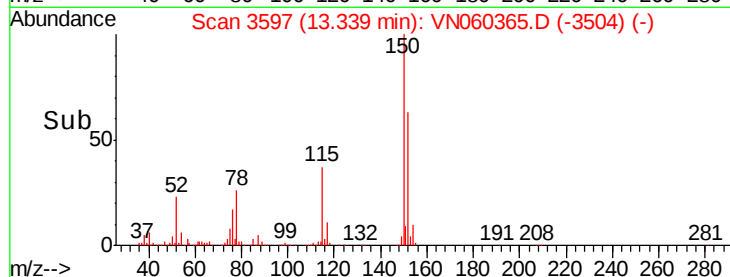
150 157.5 0.0 349.6



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: 24.359 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060365.D

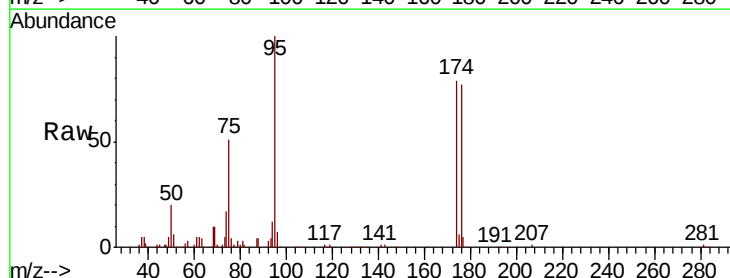
Acq: 5 Mar 2020 14:36

Tgt Ion: 75 Resp: 80915

Ion Ratio Lower Upper

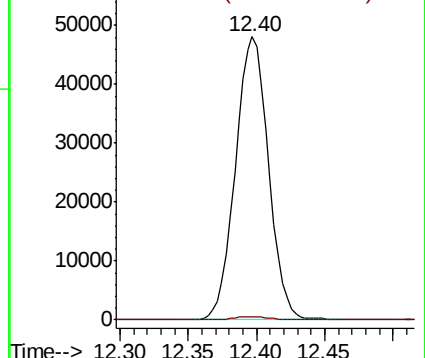
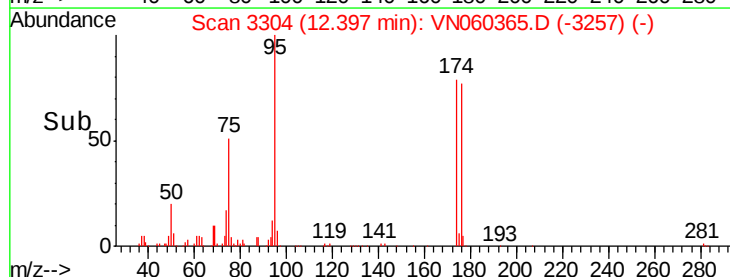
75 100

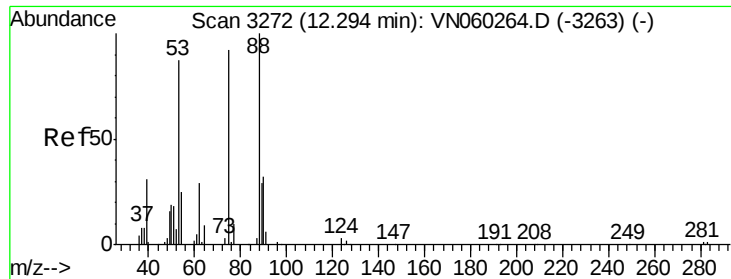
77 1.2 0.0 0.0#



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: 67.241 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

40681-40683DL

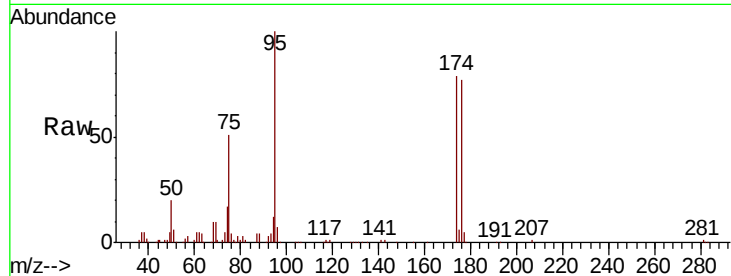
Tot Ion: 75 Resp: 80915

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

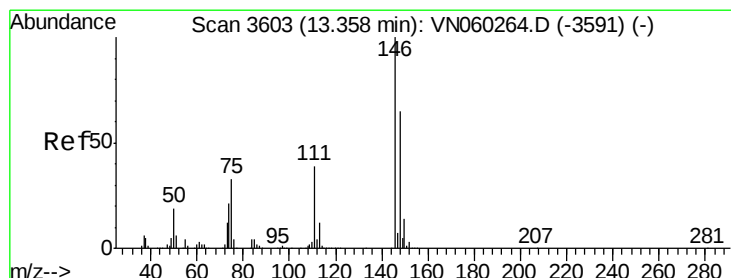
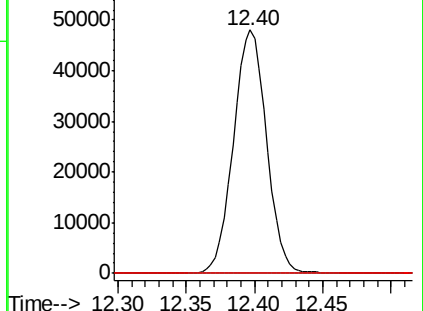
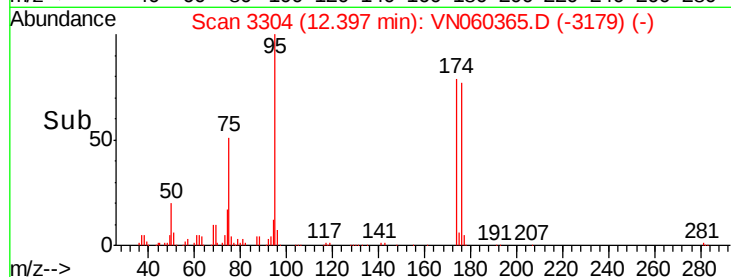
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060365.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060365.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060365.D (-3179) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

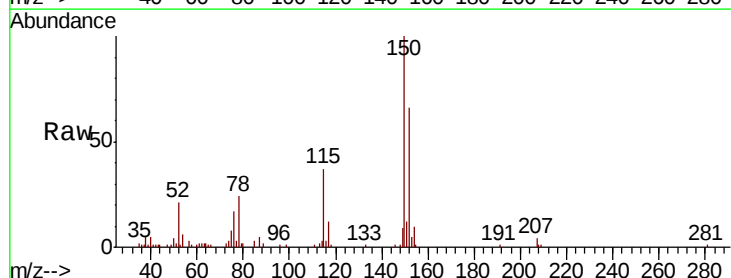
Tgt Ion: 146 Resp: 183

Ion Ratio Lower Upper

146 100

111 1085.8 19.8 59.4#

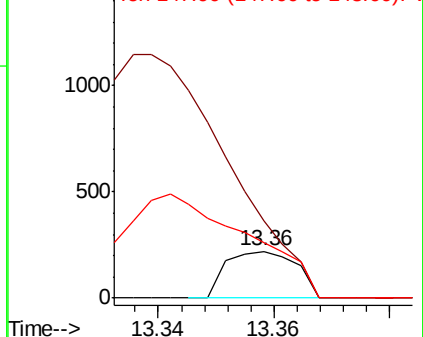
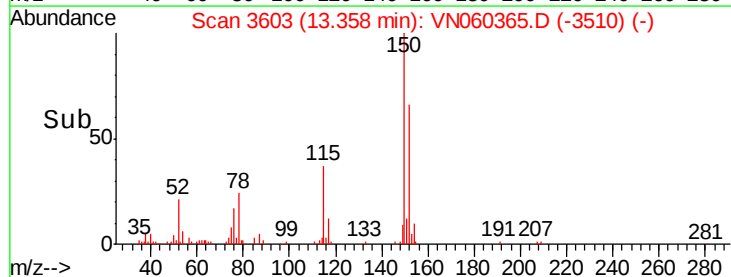
148 430.6 32.3 96.9#

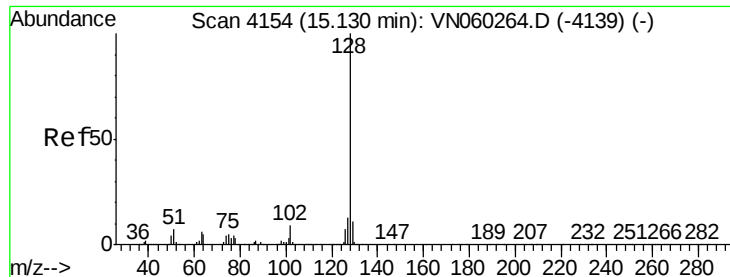


Abundance Ion 145.90 (145.60 to 146.60): VN060365.D (-3510) (-)

Ion 110.90 (110.60 to 111.60): VN060365.D (-3510) (-)

Ion 147.90 (147.60 to 148.60): VN060365.D (-3510) (-)





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060365.D

Acq: 5 Mar 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

40681-40683DL

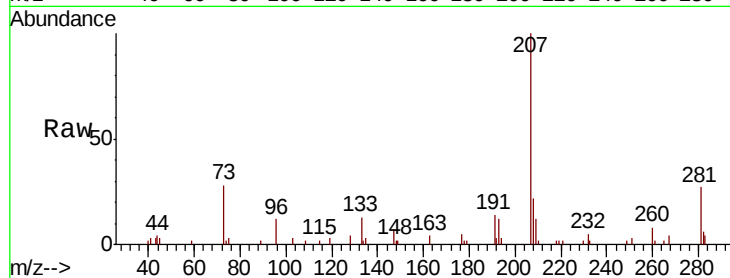
Tot Ion:128 Resp: 545

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

